Volume 2 of 6:
Appendix F (partial)

SUBMITTED TO:
PACCAR Inc

BY:
Shannon & Wilson
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FINAL COMPLIANCE MONITORING REPORT

Remedial Excavations

8801 EAST MARGINAL WAY S., TUKWILA, WASHINGTON
AGREED ORDER NO. 6069

SHANNON & WILSON

October 17, 2023

Shannon & Wilson No: 108056-004

APPENDIX F: ANALYTICAL REPORTS FOR CONFIRMATION SOIL SAMPLE

Appendix F (partial)

Analytical Reports for Confirmation Soil Samples

CONTENTS

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Shannon & Wilson
Meg Strong
400 N. 34th Street, Suite 100
Seattle, WA 98103

RE: 8801
Work Order Number: 2102417

March 31, 2021

Attention Meg Strong:

Fremont Analytical, Inc. received 30 sample(s) on 2/26/2021 for the analyses presented in the following report.

Dioxins by EPA Method 1613
Gasoline by NWTPH-Gx
Polychlorinated Biphenyls (PCB) by EPA 8082
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CLIENT: Shannon & Wilson
Project: 8801
Work Order: 2102417

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2102417-001	A5-10:11	02/25/2021 3:52 PM	02/26/2021 8:48 AM
2102417-002	A5-10:12	02/25/2021 3:55 PM	02/26/2021 8:48 AM
2102417-003	A5-10:13	02/25/2021 3:58 PM	02/26/2021 8:48 AM
2102417-004	A5-6:7	02/25/2021 4:45 PM	02/26/2021 8:48 AM
2102417-005	A5-6:8	02/25/2021 4:50 PM	02/26/2021 8:48 AM
2102417-006	A5-6:9	02/25/2021 4:55 PM	02/26/2021 8:48 AM
2102417-007	A5-9:11	02/25/2021 4:14 PM	02/26/2021 8:48 AM
2102417-008	A5-9:12	02/25/2021 4:19 PM	02/26/2021 8:48 AM
2102417-009	A5-9:13	02/25/2021 4:22 PM	02/26/2021 8:48 AM
2102417-010	A4-1:7	02/25/2021 1:30 PM	02/26/2021 8:48 AM
2102417-011	A4-1:8	02/25/2021 1:35 PM	02/26/2021 8:48 AM
2102417-012	A4-1:9	02/25/2021 1:40 PM	02/26/2021 8:48 AM
2102417-013	A4-2:7	02/25/2021 2:55 PM	02/26/2021 8:48 AM
2102417-014	A4-2:8	02/25/2021 3:00 PM	02/26/2021 8:48 AM
2102417-015	A4-2:9	02/25/2021 3:05 PM	02/26/2021 8:48 AM
2102417-016	A4-3:7	02/25/2021 2:05 PM	02/26/2021 8:48 AM
2102417-017	A4-3:8	02/25/2021 2:10 PM	02/26/2021 8:48 AM
2102417-018	A4-3:9	02/25/2021 2:15 PM	02/26/2021 8:48 AM
2102417-019	A4-103:8	02/25/2021 2:20 PM	02/26/2021 8:48 AM
2102417-020	A4-4:7	02/25/2021 2:35 PM	02/26/2021 8:48 AM
2102417-021	A4-4:8	02/25/2021 2:40 PM	02/26/2021 8:48 AM
2102417-022	A4-4:9	02/25/2021 2:45 PM	02/26/2021 8:48 AM
2102417-023	A7-1:9	02/25/2021 12:40 PM	02/26/2021 8:48 AM
2102417-024	A7-1:10	02/25/2021 12:45 PM	02/26/2021 8:48 AM
2102417-025	A7-1:11	02/25/2021 12:50 PM	02/26/2021 8:48 AM
2102417-026	A8-1:9	02/25/2021 11:30 AM	02/26/2021 8:48 AM
2102417-027	A8-1:10	02/25/2021 11:35 AM	02/26/2021 8:48 AM
2102417-028	A8-1:11	02/25/2021 11:40 AM	02/26/2021 8:48 AM
2102417-029	A8-101:10	02/25/2021 11:45 AM	02/26/2021 8:48 AM
2102417-030	Trip Blank	02/24/2021 3:30 PM	02/26/2021 8:48 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2102417**
Date: **3/31/2021**

CLIENT: Shannon & Wilson
Project: 8801

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

2102417-011B, 017B, 019B
O-DIOXIN has been Sub Contracted.

3/17/2021: Revision 1 includes additional analysis requeted by client.
3/18/2021: Revision 2 includes corrected reporting limit for PCBs.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/25/2021 3:52:00 PM
Project: 8801
Lab ID: 2102417-001
Matrix: Soil
Client Sample ID: **A5-10:11**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31610		Analyst: SB
Aroclor 1016	ND	0.0119		mg/Kg-dry	1	3/10/2021 2:20:40 PM
Aroclor 1221	ND	0.0119		mg/Kg-dry	1	3/10/2021 2:20:40 PM
Aroclor 1232	ND	0.0119		mg/Kg-dry	1	3/10/2021 2:20:40 PM
Aroclor 1242	ND	0.0119		mg/Kg-dry	1	3/10/2021 2:20:40 PM
Aroclor 1248	ND	0.0119		mg/Kg-dry	1	3/10/2021 2:20:40 PM
Aroclor 1254	ND	0.0119		mg/Kg-dry	1	3/10/2021 2:20:40 PM
Aroclor 1260	ND	0.0119		mg/Kg-dry	1	3/10/2021 2:20:40 PM
Aroclor 1262	ND	0.0119		mg/Kg-dry	1	3/10/2021 2:20:40 PM
Aroclor 1268	ND	0.0119		mg/Kg-dry	1	3/10/2021 2:20:40 PM
Total PCBs	ND	0.0119		mg/Kg-dry	1	3/10/2021 2:20:40 PM
Surr: Decachlorobiphenyl	106	9.23 - 163		%Rec	1	3/10/2021 2:20:40 PM
Surr: Tetrachloro-m-xylene	104	12 - 153		%Rec	1	3/10/2021 2:20:40 PM
Total Metals by EPA Method 6020B				Batch ID: 31629		Analyst: EH
Arsenic	0.459	0.128		mg/Kg-dry	1	3/12/2021 4:53:38 PM
Lead	1.22	0.213		mg/Kg-dry	1	3/12/2021 4:53:38 PM
Sample Moisture (Percent Moisture)				Batch ID: R65836		Analyst: RL
Percent Moisture	23.0	0.500		wt%	1	3/12/2021 10:39:58 AM

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/25/2021 3:55:00 PM
Project: 8801
Lab ID: 2102417-002
Matrix: Soil
Client Sample ID: **A5-10:12**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31554		Analyst: SB
Aroclor 1016	ND	0.0118		mg/Kg-dry	1	3/4/2021 7:30:26 PM
Aroclor 1221	ND	0.0118		mg/Kg-dry	1	3/4/2021 7:30:26 PM
Aroclor 1232	ND	0.0118		mg/Kg-dry	1	3/4/2021 7:30:26 PM
Aroclor 1242	ND	0.0118		mg/Kg-dry	1	3/4/2021 7:30:26 PM
Aroclor 1248	ND	0.0118		mg/Kg-dry	1	3/4/2021 7:30:26 PM
Aroclor 1254	ND	0.0118		mg/Kg-dry	1	3/4/2021 7:30:26 PM
Aroclor 1260	ND	0.0118		mg/Kg-dry	1	3/4/2021 7:30:26 PM
Aroclor 1262	ND	0.0118		mg/Kg-dry	1	3/4/2021 7:30:26 PM
Aroclor 1268	ND	0.0118		mg/Kg-dry	1	3/4/2021 7:30:26 PM
Total PCBs	ND	0.0118		mg/Kg-dry	1	3/4/2021 7:30:26 PM
Surr: Decachlorobiphenyl	111	9.23 - 163		%Rec	1	3/4/2021 7:30:26 PM
Surr: Tetrachloro-m-xylene	95.8	12 - 153		%Rec	1	3/4/2021 7:30:26 PM
Total Metals by EPA Method 6020B				Batch ID: 31505		Analyst: CO
Arsenic	1.02	0.113		mg/Kg-dry	1	3/2/2021 12:50:09 PM
Lead	1.69	0.188		mg/Kg-dry	1	3/2/2021 12:50:09 PM
Sample Moisture (Percent Moisture)				Batch ID: R65573		Analyst: mch
Percent Moisture	23.0	0.500		wt%	1	3/2/2021 9:42:20 AM

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/25/2021 4:50:00 PM
Project: 8801
Lab ID: 2102417-005
Matrix: Soil
Client Sample ID: **A5-6:8**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31554		Analyst: SB
Aroclor 1016	ND	0.0145		mg/Kg-dry	1	3/4/2021 7:59:36 PM
Aroclor 1221	ND	0.0145		mg/Kg-dry	1	3/4/2021 7:59:36 PM
Aroclor 1232	ND	0.0145		mg/Kg-dry	1	3/4/2021 7:59:36 PM
Aroclor 1242	ND	0.0145		mg/Kg-dry	1	3/4/2021 7:59:36 PM
Aroclor 1248	ND	0.0145		mg/Kg-dry	1	3/4/2021 7:59:36 PM
Aroclor 1254	ND	0.0145		mg/Kg-dry	1	3/4/2021 7:59:36 PM
Aroclor 1260	ND	0.0145		mg/Kg-dry	1	3/4/2021 7:59:36 PM
Aroclor 1262	ND	0.0145		mg/Kg-dry	1	3/4/2021 7:59:36 PM
Aroclor 1268	ND	0.0145		mg/Kg-dry	1	3/4/2021 7:59:36 PM
Total PCBs	ND	0.0145		mg/Kg-dry	1	3/4/2021 7:59:36 PM
Surr: Decachlorobiphenyl	116	9.23 - 163		%Rec	1	3/4/2021 7:59:36 PM
Surr: Tetrachloro-m-xylene	83.8	12 - 153		%Rec	1	3/4/2021 7:59:36 PM
Total Metals by EPA Method 6020B				Batch ID: 31537		Analyst: EH
Arsenic	8.35	0.146		mg/Kg-dry	1	3/3/2021 11:28:05 PM
Lead	421	1.22	D	mg/Kg-dry	5	3/9/2021 2:51:11 PM
Sample Moisture (Percent Moisture)				Batch ID: R65573		Analyst: mch
Percent Moisture	34.2	0.500		wt%	1	3/2/2021 9:42:20 AM

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/25/2021 4:55:00 PM
Project: 8801
Lab ID: 2102417-006
Matrix: Soil
Client Sample ID: **A5-6:9**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31610		Analyst: SB
Aroclor 1016	ND	0.0130		mg/Kg-dry	1	3/10/2021 2:30:23 PM
Aroclor 1221	ND	0.0130		mg/Kg-dry	1	3/10/2021 2:30:23 PM
Aroclor 1232	ND	0.0130		mg/Kg-dry	1	3/10/2021 2:30:23 PM
Aroclor 1242	ND	0.0130		mg/Kg-dry	1	3/10/2021 2:30:23 PM
Aroclor 1248	ND	0.0130		mg/Kg-dry	1	3/10/2021 2:30:23 PM
Aroclor 1254	ND	0.0130		mg/Kg-dry	1	3/10/2021 2:30:23 PM
Aroclor 1260	ND	0.0130		mg/Kg-dry	1	3/10/2021 2:30:23 PM
Aroclor 1262	ND	0.0130		mg/Kg-dry	1	3/10/2021 2:30:23 PM
Aroclor 1268	ND	0.0130		mg/Kg-dry	1	3/10/2021 2:30:23 PM
Total PCBs	ND	0.0130		mg/Kg-dry	1	3/10/2021 2:30:23 PM
Surr: Decachlorobiphenyl	108	9.23 - 163		%Rec	1	3/10/2021 2:30:23 PM
Surr: Tetrachloro-m-xylene	90.1	12 - 153		%Rec	1	3/10/2021 2:30:23 PM
Total Metals by EPA Method 6020B				Batch ID: 31629		Analyst: EH
Arsenic	0.844	0.131		mg/Kg-dry	1	3/12/2021 4:59:12 PM
Lead	2.67	0.219		mg/Kg-dry	1	3/12/2021 4:59:12 PM
Sample Moisture (Percent Moisture)				Batch ID: R65836		Analyst: RL
Percent Moisture	26.2	0.500		wt%	1	3/12/2021 10:39:58 AM

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/25/2021 4:14:00 PM
Project: 8801
Lab ID: 2102417-007
Matrix: Soil
Client Sample ID: **A5-9:11**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31645		Analyst: SB
Aroclor 1016	ND	0.0125		mg/Kg-dry	1	3/16/2021 9:42:15 AM
Aroclor 1221	ND	0.0125		mg/Kg-dry	1	3/16/2021 9:42:15 AM
Aroclor 1232	ND	0.0125		mg/Kg-dry	1	3/16/2021 9:42:15 AM
Aroclor 1242	ND	0.0125		mg/Kg-dry	1	3/16/2021 9:42:15 AM
Aroclor 1248	ND	0.0125		mg/Kg-dry	1	3/16/2021 9:42:15 AM
Aroclor 1254	ND	0.0125		mg/Kg-dry	1	3/16/2021 9:42:15 AM
Aroclor 1260	ND	0.0125		mg/Kg-dry	1	3/16/2021 9:42:15 AM
Aroclor 1262	ND	0.0125		mg/Kg-dry	1	3/16/2021 9:42:15 AM
Aroclor 1268	ND	0.0125		mg/Kg-dry	1	3/16/2021 9:42:15 AM
Total PCBs	ND	0.0125		mg/Kg-dry	1	3/16/2021 9:42:15 AM
Surr: Decachlorobiphenyl	94.3	9.23 - 163		%Rec	1	3/16/2021 9:42:15 AM
Surr: Tetrachloro-m-xylene	94.5	12 - 153		%Rec	1	3/16/2021 9:42:15 AM
Total Metals by EPA Method 6020B				Batch ID: 31629		Analyst: EH
Arsenic	0.919	0.133		mg/Kg-dry	1	3/12/2021 5:04:46 PM
Lead	1.48	0.222		mg/Kg-dry	1	3/12/2021 5:04:46 PM
Sample Moisture (Percent Moisture)				Batch ID: R65836		Analyst: RL
Percent Moisture	28.4	0.500		wt%	1	3/12/2021 10:39:58 AM

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/25/2021 4:19:00 PM
Project: 8801
Lab ID: 2102417-008
Matrix: Soil
Client Sample ID: **A5-9:12**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31554		Analyst: SB
Aroclor 1016	ND	0.0124		mg/Kg-dry	1	3/4/2021 8:09:19 PM
Aroclor 1221	ND	0.0124		mg/Kg-dry	1	3/4/2021 8:09:19 PM
Aroclor 1232	ND	0.0124		mg/Kg-dry	1	3/4/2021 8:09:19 PM
Aroclor 1242	ND	0.0124		mg/Kg-dry	1	3/4/2021 8:09:19 PM
Aroclor 1248	ND	0.0124		mg/Kg-dry	1	3/4/2021 8:09:19 PM
Aroclor 1254	ND	0.0124		mg/Kg-dry	1	3/4/2021 8:09:19 PM
Aroclor 1260	ND	0.0124		mg/Kg-dry	1	3/4/2021 8:09:19 PM
Aroclor 1262	ND	0.0124		mg/Kg-dry	1	3/4/2021 8:09:19 PM
Aroclor 1268	ND	0.0124		mg/Kg-dry	1	3/4/2021 8:09:19 PM
Total PCBs	ND	0.0124		mg/Kg-dry	1	3/4/2021 8:09:19 PM
Surr: Decachlorobiphenyl	105	9.23 - 163		%Rec	1	3/4/2021 8:09:19 PM
Surr: Tetrachloro-m-xylene	88.3	12 - 153		%Rec	1	3/4/2021 8:09:19 PM
Total Metals by EPA Method 6020B				Batch ID: 31537		Analyst: EH
Arsenic	2.36	0.128	B	mg/Kg-dry	1	3/3/2021 11:33:39 PM
Lead	2.06	0.213		mg/Kg-dry	1	3/3/2021 11:33:39 PM
Sample Moisture (Percent Moisture)				Batch ID: R65573		Analyst: mch
Percent Moisture	27.8	0.500		wt%	1	3/2/2021 9:42:20 AM

NOTES:
B - Indicates a detection in the MB and/or CCB.

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/25/2021 1:30:00 PM
Project: 8801
Lab ID: 2102417-010
Matrix: Soil
Client Sample ID: **A4-1:7**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31645		Analyst: SB
Aroclor 1016	ND	0.0113		mg/Kg-dry	1	3/16/2021 9:51:58 AM
Aroclor 1221	ND	0.0113		mg/Kg-dry	1	3/16/2021 9:51:58 AM
Aroclor 1232	ND	0.0113		mg/Kg-dry	1	3/16/2021 9:51:58 AM
Aroclor 1242	ND	0.0113		mg/Kg-dry	1	3/16/2021 9:51:58 AM
Aroclor 1248	ND	0.0113		mg/Kg-dry	1	3/16/2021 9:51:58 AM
Aroclor 1254	ND	0.0113		mg/Kg-dry	1	3/16/2021 9:51:58 AM
Aroclor 1260	0.0480	0.0113		mg/Kg-dry	1	3/16/2021 9:51:58 AM
Aroclor 1262	ND	0.0113		mg/Kg-dry	1	3/16/2021 9:51:58 AM
Aroclor 1268	ND	0.0113		mg/Kg-dry	1	3/16/2021 9:51:58 AM
Total PCBs	0.0480	0.0113		mg/Kg-dry	1	3/16/2021 9:51:58 AM
Surr: Decachlorobiphenyl	95.4	9.23 - 163		%Rec	1	3/16/2021 9:51:58 AM
Surr: Tetrachloro-m-xylene	122	12 - 153		%Rec	1	3/16/2021 9:51:58 AM
Total Metals by EPA Method 6020B				Batch ID: 31629		Analyst: EH
Copper	46.3	0.941		mg/Kg-dry	1	3/12/2021 5:10:20 PM
Sample Moisture (Percent Moisture)				Batch ID: R65836		Analyst: RL
Percent Moisture	14.3	0.500		wt%	1	3/12/2021 10:39:58 AM

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/25/2021 1:35:00 PM
Project: 8801
Lab ID: 2102417-011
Matrix: Soil
Client Sample ID: **A4-1:8**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31554		Analyst: SB
Aroclor 1016	ND	0.0126		mg/Kg-dry	1	3/4/2021 8:19:02 PM
Aroclor 1221	ND	0.0126		mg/Kg-dry	1	3/4/2021 8:19:02 PM
Aroclor 1232	ND	0.0126		mg/Kg-dry	1	3/4/2021 8:19:02 PM
Aroclor 1242	ND	0.0126		mg/Kg-dry	1	3/4/2021 8:19:02 PM
Aroclor 1248	ND	0.0126		mg/Kg-dry	1	3/4/2021 8:19:02 PM
Aroclor 1254	ND	0.0126		mg/Kg-dry	1	3/4/2021 8:19:02 PM
Aroclor 1260	ND	0.0126		mg/Kg-dry	1	3/4/2021 8:19:02 PM
Aroclor 1262	ND	0.0126		mg/Kg-dry	1	3/4/2021 8:19:02 PM
Aroclor 1268	ND	0.0126		mg/Kg-dry	1	3/4/2021 8:19:02 PM
Total PCBs	ND	0.0126		mg/Kg-dry	1	3/4/2021 8:19:02 PM
Surr: Decachlorobiphenyl	97.8	9.23 - 163		%Rec	1	3/4/2021 8:19:02 PM
Surr: Tetrachloro-m-xylene	112	12 - 153		%Rec	1	3/4/2021 8:19:02 PM
Total Metals by EPA Method 6020B				Batch ID: 31537		Analyst: EH
Copper	35.5	1.04		mg/Kg-dry	1	3/5/2021 4:51:24 PM
Sample Moisture (Percent Moisture)				Batch ID: R65573		Analyst: mch
Percent Moisture	22.1	0.500		wt%	1	3/2/2021 9:42:20 AM

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/25/2021 2:55:00 PM
Project: 8801
Lab ID: 2102417-013
Matrix: Soil
Client Sample ID: **A4-2:7**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31768		Analyst: SB
Aroclor 1016	ND	0.0112		mg/Kg-dry	1	3/26/2021 7:06:06 PM
Aroclor 1221	ND	0.0112		mg/Kg-dry	1	3/26/2021 7:06:06 PM
Aroclor 1232	ND	0.0112		mg/Kg-dry	1	3/26/2021 7:06:06 PM
Aroclor 1242	ND	0.0112		mg/Kg-dry	1	3/26/2021 7:06:06 PM
Aroclor 1248	ND	0.0112		mg/Kg-dry	1	3/26/2021 7:06:06 PM
Aroclor 1254	0.460	0.0112		mg/Kg-dry	1	3/26/2021 7:06:06 PM
Aroclor 1260	ND	0.0112		mg/Kg-dry	1	3/26/2021 7:06:06 PM
Aroclor 1262	ND	0.0112		mg/Kg-dry	1	3/26/2021 7:06:06 PM
Aroclor 1268	ND	0.0112		mg/Kg-dry	1	3/26/2021 7:06:06 PM
Total PCBs	0.460	0.0112		mg/Kg-dry	1	3/26/2021 7:06:06 PM
Surr: Decachlorobiphenyl	89.9	9.23 - 163		%Rec	1	3/26/2021 7:06:06 PM
Surr: Tetrachloro-m-xylene	85.9	12 - 153		%Rec	1	3/26/2021 7:06:06 PM
Total Metals by EPA Method 6020B				Batch ID: 31773		Analyst: EH
Copper	711	8.49	D	mg/Kg-dry	10	3/29/2021 12:31:23 PM
Sample Moisture (Percent Moisture)				Batch ID: R66116		Analyst: RL
Percent Moisture	14.7	0.500		wt%	1	3/26/2021 9:33:53 AM

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/25/2021 3:00:00 PM
Project: 8801
Lab ID: 2102417-014
Matrix: Soil
Client Sample ID: **A4-2:8**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31554		Analyst: SB
Aroclor 1016	ND	0.0108		mg/Kg-dry	1	3/4/2021 8:28:42 PM
Aroclor 1221	ND	0.0108		mg/Kg-dry	1	3/4/2021 8:28:42 PM
Aroclor 1232	ND	0.0108		mg/Kg-dry	1	3/4/2021 8:28:42 PM
Aroclor 1242	ND	0.0108		mg/Kg-dry	1	3/4/2021 8:28:42 PM
Aroclor 1248	ND	0.0108		mg/Kg-dry	1	3/4/2021 8:28:42 PM
Aroclor 1254	ND	0.0108		mg/Kg-dry	1	3/4/2021 8:28:42 PM
Aroclor 1260	ND	0.0108		mg/Kg-dry	1	3/4/2021 8:28:42 PM
Aroclor 1262	ND	0.0108		mg/Kg-dry	1	3/4/2021 8:28:42 PM
Aroclor 1268	ND	0.0108		mg/Kg-dry	1	3/4/2021 8:28:42 PM
Total PCBs	ND	0.0108		mg/Kg-dry	1	3/4/2021 8:28:42 PM
Surr: Decachlorobiphenyl	98.4	9.23 - 163		%Rec	1	3/4/2021 8:28:42 PM
Surr: Tetrachloro-m-xylene	97.7	12 - 153		%Rec	1	3/4/2021 8:28:42 PM
Total Metals by EPA Method 6020B				Batch ID: 31537		Analyst: EH
Copper	149	0.971		mg/Kg-dry	1	3/5/2021 4:56:57 PM
Sample Moisture (Percent Moisture)				Batch ID: R65573		Analyst: mch
Percent Moisture	16.9	0.500		wt%	1	3/2/2021 9:42:20 AM

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/25/2021 3:05:00 PM
Project: 8801
Lab ID: 2102417-015
Matrix: Soil
Client Sample ID: **A4-2:9**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31645		Analyst: SB
Aroclor 1016	ND	0.0106		mg/Kg-dry	1	3/16/2021 10:21:03 AM
Aroclor 1221	ND	0.0106		mg/Kg-dry	1	3/16/2021 10:21:03 AM
Aroclor 1232	ND	0.0106		mg/Kg-dry	1	3/16/2021 10:21:03 AM
Aroclor 1242	ND	0.0106		mg/Kg-dry	1	3/16/2021 10:21:03 AM
Aroclor 1248	ND	0.0106		mg/Kg-dry	1	3/16/2021 10:21:03 AM
Aroclor 1254	ND	0.0106		mg/Kg-dry	1	3/16/2021 10:21:03 AM
Aroclor 1260	ND	0.0106		mg/Kg-dry	1	3/16/2021 10:21:03 AM
Aroclor 1262	ND	0.0106		mg/Kg-dry	1	3/16/2021 10:21:03 AM
Aroclor 1268	ND	0.0106		mg/Kg-dry	1	3/16/2021 10:21:03 AM
Total PCBs	ND	0.0106		mg/Kg-dry	1	3/16/2021 10:21:03 AM
Surr: Decachlorobiphenyl	81.8	9.23 - 163		%Rec	1	3/16/2021 10:21:03 AM
Surr: Tetrachloro-m-xylene	111	12 - 153		%Rec	1	3/16/2021 10:21:03 AM
Total Metals by EPA Method 6020B				Batch ID: 31629		Analyst: EH
Copper	132	0.931		mg/Kg-dry	1	3/12/2021 5:27:03 PM
Sample Moisture (Percent Moisture)				Batch ID: R65836		Analyst: RL
Percent Moisture	18.6	0.500		wt%	1	3/12/2021 10:39:58 AM

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/25/2021 2:05:00 PM
Project: 8801
Lab ID: 2102417-016
Matrix: Soil
Client Sample ID: **A4-3:7**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31645		Analyst: SB
Aroclor 1016	ND	0.0111		mg/Kg-dry	1	3/16/2021 10:30:41 AM
Aroclor 1221	ND	0.0111		mg/Kg-dry	1	3/16/2021 10:30:41 AM
Aroclor 1232	ND	0.0111		mg/Kg-dry	1	3/16/2021 10:30:41 AM
Aroclor 1242	ND	0.0111		mg/Kg-dry	1	3/16/2021 10:30:41 AM
Aroclor 1248	ND	0.0111		mg/Kg-dry	1	3/16/2021 10:30:41 AM
Aroclor 1254	0.0512	0.0111		mg/Kg-dry	1	3/16/2021 10:30:41 AM
Aroclor 1260	ND	0.0111		mg/Kg-dry	1	3/16/2021 10:30:41 AM
Aroclor 1262	ND	0.0111		mg/Kg-dry	1	3/16/2021 10:30:41 AM
Aroclor 1268	ND	0.0111		mg/Kg-dry	1	3/16/2021 10:30:41 AM
Total PCBs	0.0512	0.0111		mg/Kg-dry	1	3/16/2021 10:30:41 AM
Surr: Decachlorobiphenyl	93.8	9.23 - 163		%Rec	1	3/16/2021 10:30:41 AM
Surr: Tetrachloro-m-xylene	127	12 - 153		%Rec	1	3/16/2021 10:30:41 AM
Total Metals by EPA Method 6020B				Batch ID: 31629		Analyst: EH
Copper	85.9	1.08		mg/Kg-dry	1	3/12/2021 5:32:37 PM
Sample Moisture (Percent Moisture)				Batch ID: R65836		Analyst: RL
Percent Moisture	25.2	0.500		wt%	1	3/12/2021 10:39:58 AM

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/25/2021 2:10:00 PM
Project: 8801
Lab ID: 2102417-017
Matrix: Soil
Client Sample ID: **A4-3:8**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31554		Analyst: SB
Aroclor 1016	ND	0.0117		mg/Kg-dry	1	3/4/2021 8:38:29 PM
Aroclor 1221	ND	0.0117		mg/Kg-dry	1	3/4/2021 8:38:29 PM
Aroclor 1232	ND	0.0117		mg/Kg-dry	1	3/4/2021 8:38:29 PM
Aroclor 1242	ND	0.0117		mg/Kg-dry	1	3/4/2021 8:38:29 PM
Aroclor 1248	ND	0.0117		mg/Kg-dry	1	3/4/2021 8:38:29 PM
Aroclor 1254	ND	0.0117		mg/Kg-dry	1	3/4/2021 8:38:29 PM
Aroclor 1260	ND	0.0117		mg/Kg-dry	1	3/4/2021 8:38:29 PM
Aroclor 1262	ND	0.0117		mg/Kg-dry	1	3/4/2021 8:38:29 PM
Aroclor 1268	ND	0.0117		mg/Kg-dry	1	3/4/2021 8:38:29 PM
Total PCBs	ND	0.0117		mg/Kg-dry	1	3/4/2021 8:38:29 PM
Surr: Decachlorobiphenyl	99.1	9.23 - 163		%Rec	1	3/4/2021 8:38:29 PM
Surr: Tetrachloro-m-xylene	90.3	12 - 153		%Rec	1	3/4/2021 8:38:29 PM
Total Metals by EPA Method 6020B				Batch ID: 31537		Analyst: EH
Copper	29.1	1.02		mg/Kg-dry	1	3/5/2021 5:13:41 PM
Sample Moisture (Percent Moisture)				Batch ID: R65573		Analyst: mch
Percent Moisture	23.1	0.500		wt%	1	3/2/2021 9:42:20 AM

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/25/2021 2:20:00 PM
Project: 8801
Lab ID: 2102417-019
Matrix: Soil
Client Sample ID: **A4-103:8**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31554		Analyst: SB
Aroclor 1016	ND	0.0119		mg/Kg-dry	1	3/4/2021 8:48:11 PM
Aroclor 1221	ND	0.0119		mg/Kg-dry	1	3/4/2021 8:48:11 PM
Aroclor 1232	ND	0.0119		mg/Kg-dry	1	3/4/2021 8:48:11 PM
Aroclor 1242	ND	0.0119		mg/Kg-dry	1	3/4/2021 8:48:11 PM
Aroclor 1248	ND	0.0119		mg/Kg-dry	1	3/4/2021 8:48:11 PM
Aroclor 1254	ND	0.0119		mg/Kg-dry	1	3/4/2021 8:48:11 PM
Aroclor 1260	ND	0.0119		mg/Kg-dry	1	3/4/2021 8:48:11 PM
Aroclor 1262	ND	0.0119		mg/Kg-dry	1	3/4/2021 8:48:11 PM
Aroclor 1268	ND	0.0119		mg/Kg-dry	1	3/4/2021 8:48:11 PM
Total PCBs	ND	0.0119		mg/Kg-dry	1	3/4/2021 8:48:11 PM
Surr: Decachlorobiphenyl	101	9.23 - 163		%Rec	1	3/4/2021 8:48:11 PM
Surr: Tetrachloro-m-xylene	86.2	12 - 153		%Rec	1	3/4/2021 8:48:11 PM
Total Metals by EPA Method 6020B				Batch ID: 31537		Analyst: EH
Copper	29.8	0.967		mg/Kg-dry	1	3/5/2021 5:19:15 PM
Sample Moisture (Percent Moisture)				Batch ID: R65573		Analyst: mch
Percent Moisture	21.1	0.500		wt%	1	3/2/2021 9:42:20 AM

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/25/2021 2:35:00 PM
Project: 8801
Lab ID: 2102417-020
Matrix: Soil
Client Sample ID: **A4-4:7**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31768		Analyst: SB
Aroclor 1016	ND	0.0104		mg/Kg-dry	1	3/26/2021 7:35:31 PM
Aroclor 1221	ND	0.0104		mg/Kg-dry	1	3/26/2021 7:35:31 PM
Aroclor 1232	ND	0.0104		mg/Kg-dry	1	3/26/2021 7:35:31 PM
Aroclor 1242	ND	0.0104		mg/Kg-dry	1	3/26/2021 7:35:31 PM
Aroclor 1248	ND	0.0104		mg/Kg-dry	1	3/26/2021 7:35:31 PM
Aroclor 1254	0.126	0.0104		mg/Kg-dry	1	3/26/2021 7:35:31 PM
Aroclor 1260	ND	0.0104		mg/Kg-dry	1	3/26/2021 7:35:31 PM
Aroclor 1262	ND	0.0104		mg/Kg-dry	1	3/26/2021 7:35:31 PM
Aroclor 1268	ND	0.0104		mg/Kg-dry	1	3/26/2021 7:35:31 PM
Total PCBs	0.126	0.0104		mg/Kg-dry	1	3/26/2021 7:35:31 PM
Surr: Decachlorobiphenyl	69.9	9.23 - 163		%Rec	1	3/26/2021 7:35:31 PM
Surr: Tetrachloro-m-xylene	95.0	12 - 153		%Rec	1	3/26/2021 7:35:31 PM
Total Metals by EPA Method 6020B				Batch ID: 31773		Analyst: EH
Copper	312	9.16	D	mg/Kg-dry	10	3/29/2021 12:36:57 PM
Sample Moisture (Percent Moisture)				Batch ID: R66116		Analyst: RL
Percent Moisture	14.8	0.500		wt%	1	3/26/2021 9:33:53 AM

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/25/2021 2:40:00 PM
Project: 8801
Lab ID: 2102417-021
Matrix: Soil
Client Sample ID: **A4-4:8**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31554		Analyst: SB
Aroclor 1016	ND	0.0107		mg/Kg-dry	1	3/4/2021 8:57:55 PM
Aroclor 1221	ND	0.0107		mg/Kg-dry	1	3/4/2021 8:57:55 PM
Aroclor 1232	ND	0.0107		mg/Kg-dry	1	3/4/2021 8:57:55 PM
Aroclor 1242	ND	0.0107		mg/Kg-dry	1	3/4/2021 8:57:55 PM
Aroclor 1248	ND	0.0107		mg/Kg-dry	1	3/4/2021 8:57:55 PM
Aroclor 1254	ND	0.0107		mg/Kg-dry	1	3/4/2021 8:57:55 PM
Aroclor 1260	ND	0.0107		mg/Kg-dry	1	3/4/2021 8:57:55 PM
Aroclor 1262	ND	0.0107		mg/Kg-dry	1	3/4/2021 8:57:55 PM
Aroclor 1268	ND	0.0107		mg/Kg-dry	1	3/4/2021 8:57:55 PM
Total PCBs	ND	0.0107		mg/Kg-dry	1	3/4/2021 8:57:55 PM
Surr: Decachlorobiphenyl	107	9.23 - 163		%Rec	1	3/4/2021 8:57:55 PM
Surr: Tetrachloro-m-xylene	98.4	12 - 153		%Rec	1	3/4/2021 8:57:55 PM
Total Metals by EPA Method 6020B				Batch ID: 31537		Analyst: EH
Copper	105	0.955		mg/Kg-dry	1	3/5/2021 5:24:49 PM
Sample Moisture (Percent Moisture)				Batch ID: R65573		Analyst: mch
Percent Moisture	16.2	0.500		wt%	1	3/2/2021 9:42:20 AM

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/25/2021 2:45:00 PM
Project: 8801
Lab ID: 2102417-022
Matrix: Soil
Client Sample ID: **A4-4:9**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31645		Analyst: SB
Aroclor 1016	ND	0.0101		mg/Kg-dry	1	3/16/2021 10:40:24 AM
Aroclor 1221	ND	0.0101		mg/Kg-dry	1	3/16/2021 10:40:24 AM
Aroclor 1232	ND	0.0101		mg/Kg-dry	1	3/16/2021 10:40:24 AM
Aroclor 1242	ND	0.0101		mg/Kg-dry	1	3/16/2021 10:40:24 AM
Aroclor 1248	ND	0.0101		mg/Kg-dry	1	3/16/2021 10:40:24 AM
Aroclor 1254	ND	0.0101		mg/Kg-dry	1	3/16/2021 10:40:24 AM
Aroclor 1260	ND	0.0101		mg/Kg-dry	1	3/16/2021 10:40:24 AM
Aroclor 1262	ND	0.0101		mg/Kg-dry	1	3/16/2021 10:40:24 AM
Aroclor 1268	ND	0.0101		mg/Kg-dry	1	3/16/2021 10:40:24 AM
Total PCBs	ND	0.0101		mg/Kg-dry	1	3/16/2021 10:40:24 AM
Surr: Decachlorobiphenyl	83.8	9.23 - 163		%Rec	1	3/16/2021 10:40:24 AM
Surr: Tetrachloro-m-xylene	123	12 - 153		%Rec	1	3/16/2021 10:40:24 AM
Total Metals by EPA Method 6020B				Batch ID: 31629		Analyst: EH
Copper	219	0.946		mg/Kg-dry	1	3/12/2021 5:38:11 PM
Sample Moisture (Percent Moisture)				Batch ID: R65836		Analyst: RL
Percent Moisture	17.4	0.500		wt%	1	3/12/2021 10:39:58 AM

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/25/2021 12:40:00 PM
Project: 8801
Lab ID: 2102417-023
Matrix: Soil
Client Sample ID: **A7-1:9**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 31625		Analyst: KT
Gasoline	ND	10.8		mg/Kg-dry	1	3/11/2021 4:45:41 PM
Surr: Toluene-d8	102	65 - 135		%Rec	1	3/11/2021 4:45:41 PM
Surr: 4-Bromofluorobenzene	94.3	65 - 135		%Rec	1	3/11/2021 4:45:41 PM
Sample Moisture (Percent Moisture)				Batch ID: R65836		Analyst: RL
Percent Moisture	45.2	0.500		wt%	1	3/12/2021 10:39:58 AM

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/25/2021 12:45:00 PM
Project: 8801
Lab ID: 2102417-024
Matrix: Soil
Client Sample ID: **A7-1:10**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 31502		Analyst: KT
Gasoline	ND	6.73		mg/Kg-dry	1	3/1/2021 11:56:39 PM
Surr: Toluene-d8	94.6	65 - 135		%Rec	1	3/1/2021 11:56:39 PM
Surr: 4-Bromofluorobenzene	99.5	65 - 135		%Rec	1	3/1/2021 11:56:39 PM
Sample Moisture (Percent Moisture)				Batch ID: R65573		Analyst: mch
Percent Moisture	37.0	0.500		wt%	1	3/2/2021 9:42:20 AM

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/25/2021 11:30:00 AM
Project: 8801
Lab ID: 2102417-026
Matrix: Soil
Client Sample ID: **A8-1:9**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 31625		Analyst: KT
Gasoline	314	47.3	D	mg/Kg-dry	10	3/13/2021 5:58:36 AM
Surr: Toluene-d8	98.2	65 - 135	D	%Rec	10	3/13/2021 5:58:36 AM
Surr: 4-Bromofluorobenzene	99.9	65 - 135	D	%Rec	10	3/13/2021 5:58:36 AM
Sample Moisture (Percent Moisture)				Batch ID: R65836		Analyst: RL
Percent Moisture	29.5	0.500		wt%	1	3/12/2021 10:39:58 AM

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/25/2021 11:35:00 AM
Project: 8801
Lab ID: 2102417-027
Matrix: Soil
Client Sample ID: **A8-1:10**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 31502		Analyst: KT
Gasoline	12,800	1,360	D	mg/Kg-dry	200	3/2/2021 7:45:42 AM
Surr: Toluene-d8	94.7	65 - 135	D	%Rec	200	3/2/2021 7:45:42 AM
Surr: 4-Bromofluorobenzene	103	65 - 135	D	%Rec	200	3/2/2021 7:45:42 AM
Sample Moisture (Percent Moisture)				Batch ID: R65573		Analyst: mch
Percent Moisture	27.5	0.500		wt%	1	3/2/2021 9:42:20 AM

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/25/2021 11:40:00 AM
Project: 8801
Lab ID: 2102417-028
Matrix: Soil
Client Sample ID: **A8-1:11**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 31625		Analyst: KT
Gasoline	18,800	2,330	D	mg/Kg-dry	500	3/13/2021 6:28:58 AM
Surr: Toluene-d8	96.6	65 - 135	D	%Rec	500	3/13/2021 6:28:58 AM
Surr: 4-Bromofluorobenzene	96.7	65 - 135	D	%Rec	500	3/13/2021 6:28:58 AM
Sample Moisture (Percent Moisture)				Batch ID: R65836		Analyst: RL
Percent Moisture	25.4	0.500		wt%	1	3/12/2021 10:39:58 AM

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/25/2021 11:45:00 AM
Project: 8801
Lab ID: 2102417-029
Matrix: Soil
Client Sample ID: **A8-101:10**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 31502		Analyst: KT
Gasoline	11,500	1,160	D	mg/Kg-dry	200	3/2/2021 8:16:03 AM
Surr: Toluene-d8	95.3	65 - 135	D	%Rec	200	3/2/2021 8:16:03 AM
Surr: 4-Bromofluorobenzene	102	65 - 135	D	%Rec	200	3/2/2021 8:16:03 AM
Sample Moisture (Percent Moisture)				Batch ID: R65573		Analyst: mch
Percent Moisture	26.7	0.500		wt%	1	3/2/2021 9:42:20 AM

Analytical Report

Work Order: **2102417**
Date Reported: **3/31/2021**

Client: Shannon & Wilson
Collection Date: 2/24/2021 3:30:00 PM
Project: 8801
Lab ID: 2102417-030
Matrix: Soil
Client Sample ID: **Trip Blank**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 31502		Analyst: KT
Gasoline	ND	5.00		mg/Kg	1	3/1/2021 10:45:53 AM
Surr: Toluene-d8	95.7	65 - 135		%Rec	1	3/1/2021 10:45:53 AM
Surr: 4-Bromofluorobenzene	100	65 - 135		%Rec	1	3/1/2021 10:45:53 AM

Work Order: 2102417
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **LCS-31625**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **3/11/2021**	RunNo: **65883**
Client ID: **LCSS**	Batch ID: **31625**		Analysis Date: **3/11/2021**	SeqNo: **1325729**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	26.4	5.00	25.00	0	105	65	135				
Surr: Toluene-d8	1.27		1.250		101	65	135				
Surr: 4-Bromofluorobenzene	1.26		1.250		101	65	135				

Sample ID: **MB-31625**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **3/11/2021**	RunNo: **65883**
Client ID: **MBLKS**	Batch ID: **31625**		Analysis Date: **3/11/2021**	SeqNo: **1325730**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.25		1.250		99.9	65	135				
Surr: 4-Bromofluorobenzene	1.22		1.250		97.8	65	135				

Sample ID: **2102417-023BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **3/11/2021**	RunNo: **65883**
Client ID: **A7-1:9**	Batch ID: **31625**		Analysis Date: **3/11/2021**	SeqNo: **1325723**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	10.8						0		30	
Surr: Toluene-d8	2.72		2.700		101	65	135		0		
Surr: 4-Bromofluorobenzene	2.58		2.700		95.6	65	135		0		

Sample ID: **2102417-026BMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **3/11/2021**	RunNo: **65883**
Client ID: **A8-1:9**	Batch ID: **31625**		Analysis Date: **3/11/2021**	SeqNo: **1325725**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	852	4.73	23.63	352.7	2,110	65	135				SE
Surr: Toluene-d8	1.35		1.182		114	65	135				
Surr: 4-Bromofluorobenzene	1.19		1.182		101	65	135				

Work Order: 2102417
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **2102417-026BMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **3/11/2021**			RunNo: **65883**		
Client ID: **A8-1:9**	Batch ID: **31625**					Analysis Date: **3/11/2021**			SeqNo: **1325725**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:
S - Analyte concentration was too high for accurate spike recovery(ies).
E - Estimated value. The amount exceeds the linear working range of the instrument.

Work Order: 2102417
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **LCS-31502**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **3/1/2021**	RunNo: **65571**
Client ID: **LCSS**	Batch ID: **31502**		Analysis Date: **3/1/2021**	SeqNo: **1319008**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	22.3	5.00	25.00	0	89.2	65	135				
Surr: Toluene-d8	1.20		1.250		96.2	65	135				
Surr: 4-Bromofluorobenzene	1.27		1.250		102	65	135				

Sample ID: **MB-31502**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **3/1/2021**	RunNo: **65571**
Client ID: **MBLKS**	Batch ID: **31502**		Analysis Date: **3/1/2021**	SeqNo: **1319009**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.21		1.250		96.6	65	135				
Surr: 4-Bromofluorobenzene	1.25		1.250		100	65	135				

Sample ID: **2102357-001BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **3/1/2021**	RunNo: **65571**
Client ID: **BATCH**	Batch ID: **31502**		Analysis Date: **3/1/2021**	SeqNo: **1318987**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.56						0		30	
Surr: Toluene-d8	1.34		1.390		96.7	65	135		0		
Surr: 4-Bromofluorobenzene	1.43		1.390		103	65	135		0		

Sample ID: **2102355-001ADUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **3/1/2021**	RunNo: **65571**
Client ID: **BATCH**	Batch ID: **31502**		Analysis Date: **3/1/2021**	SeqNo: **1318979**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	4.65						0		30	
Surr: Toluene-d8	1.10		1.162		94.8	65	135		0		
Surr: 4-Bromofluorobenzene	1.15		1.162		99.3	65	135		0		

Work Order: 2102417
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **2102382-001BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **3/1/2021** RunNo: **65571**
Client ID: **BATCH** Batch ID: **31502** Analysis Date: **3/1/2021** SeqNo: **1318989**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	36.5	6.55	32.75	6.167	92.5	65	135				
Surr: Toluene-d8	1.53		1.638		93.6	65	135				
Surr: 4-Bromofluorobenzene	1.70		1.638		104	65	135				

Work Order: 2102417
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **MB-31768**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **3/25/2021**	RunNo: **66213**
Client ID: **MBLKS**	Batch ID: **31768**		Analysis Date: **3/26/2021**	SeqNo: **1332281**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0100									
Aroclor 1221	ND	0.0100									
Aroclor 1232	ND	0.0100									
Aroclor 1242	ND	0.0100									
Aroclor 1248	ND	0.0100									
Aroclor 1254	ND	0.0100									
Aroclor 1260	ND	0.0100									
Aroclor 1262	ND	0.0100									
Aroclor 1268	ND	0.0100									
Total PCBs	ND	0.0100									
Surr: Decachlorobiphenyl	150		200.0		74.9	9.23	163				
Surr: Tetrachloro-m-xylene	160		200.0		80.0	12	153				

Sample ID: **LCS1-31768**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **3/25/2021**	RunNo: **66213**
Client ID: **LCSS**	Batch ID: **31768**		Analysis Date: **3/26/2021**	SeqNo: **1332282**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.938	0.0500	1.000	0	93.8	55.7	140				
Aroclor 1260	1.10	0.0500	1.000	0	110	58.6	145				
Surr: Decachlorobiphenyl	165		200.0		82.5	9.23	163				
Surr: Tetrachloro-m-xylene	150		200.0		74.8	12	153				

Sample ID: **LCS2-31768**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **3/25/2021**	RunNo: **66213**
Client ID: **LCSS**	Batch ID: **31768**		Analysis Date: **3/26/2021**	SeqNo: **1332283**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.15	0.0500	1.000	0	115	47.9	148				
Surr: Decachlorobiphenyl	190		200.0		95.2	9.23	163				
Surr: Tetrachloro-m-xylene	182		200.0		91.2	12	153				

Work Order: 2102417
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **2102417-013AMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **3/25/2021**	RunNo: **66213**
Client ID: **A4-2:7**	Batch ID: **31768**		Analysis Date: **3/26/2021**	SeqNo: **1332285**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.937	0.0540	1.079	0	86.8	22.9	177				
Aroclor 1260	1.34	0.0540	1.079	0	124	30.1	157				
Surr: Decachlorobiphenyl	189		215.9		87.6	9.23	163				
Surr: Tetrachloro-m-xylene	178		215.9		82.3	12	153				

Sample ID: **2102417-013AMSD**	SampType: **MSD**	Units: **mg/Kg-dry**	Prep Date: **3/25/2021**	RunNo: **66213**
Client ID: **A4-2:7**	Batch ID: **31768**		Analysis Date: **3/26/2021**	SeqNo: **1332286**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.02	0.0566	1.133	0	89.6	22.9	177	0.9374	7.98	30	
Aroclor 1260	1.50	0.0566	1.133	0	132	30.1	157	1.338	11.2	30	
Surr: Decachlorobiphenyl	196		226.5		86.6	9.23	163		0		
Surr: Tetrachloro-m-xylene	188		226.5		82.9	12	153		0		

Work Order: 2102417
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **MB-31645**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **3/15/2021**	RunNo: **65910**
Client ID: **MBLKS**	Batch ID: **31645**		Analysis Date: **3/16/2021**	SeqNo: **1326300**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0100									
Aroclor 1221	ND	0.0100									
Aroclor 1232	ND	0.0100									
Aroclor 1242	ND	0.0100									
Aroclor 1248	ND	0.0100									
Aroclor 1254	ND	0.0100									
Aroclor 1260	ND	0.0100									
Aroclor 1262	ND	0.0100									
Aroclor 1268	ND	0.0100									
Total PCBs	ND	0.0100									
Surr: Decachlorobiphenyl	245		200.0		123	9.23	163				
Surr: Tetrachloro-m-xylene	243		200.0		121	12	153				

Sample ID: **LCS1-31645**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **3/15/2021**	RunNo: **65910**
Client ID: **LCSS**	Batch ID: **31645**		Analysis Date: **3/16/2021**	SeqNo: **1326301**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.915	0.0500	1.000	0	91.5	55.7	140				
Aroclor 1260	1.04	0.0500	1.000	0	104	58.6	145				
Surr: Decachlorobiphenyl	247		200.0		123	9.23	163				
Surr: Tetrachloro-m-xylene	241		200.0		121	12	153				

Sample ID: **LCS2-31645**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **3/15/2021**	RunNo: **65910**
Client ID: **LCSS**	Batch ID: **31645**		Analysis Date: **3/16/2021**	SeqNo: **1326302**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.944	0.0500	1.000	0	94.4	47.9	148				
Surr: Decachlorobiphenyl	250		200.0		125	9.23	163				
Surr: Tetrachloro-m-xylene	252		200.0		126	12	153				

Work Order: 2102417
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **2102417-010AMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **3/15/2021**	RunNo: **65910**
Client ID: **A4-1:7**	Batch ID: **31645**		Analysis Date: **3/16/2021**	SeqNo: **1326305**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.856	0.0573	1.146	0	74.7	22.9	177				
Aroclor 1260	0.796	0.0573	1.146	0.04802	65.3	30.1	157				
Surr: Decachlorobiphenyl	167		229.1		73.0	9.23	163				
Surr: Tetrachloro-m-xylene	226		229.1		98.7	12	153				

Sample ID: **2102417-010AMSD**	SampType: **MSD**	Units: **mg/Kg-dry**	Prep Date: **3/15/2021**	RunNo: **65910**
Client ID: **A4-1:7**	Batch ID: **31645**		Analysis Date: **3/16/2021**	SeqNo: **1326306**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.00	0.0567	1.133	0	88.4	22.9	177	0.8558	15.7	30	
Aroclor 1260	0.909	0.0567	1.133	0.04802	76.0	30.1	157	0.7960	13.2	30	
Surr: Decachlorobiphenyl	195		226.7		86.0	9.23	163		0		
Surr: Tetrachloro-m-xylene	255		226.7		112	12	153		0		

Work Order: 2102417
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **MB-31610** SampType: **MBLK** Units: **mg/Kg** Prep Date: **3/10/2021** RunNo: **65781**
Client ID: **MBLKS** Batch ID: **31610** Analysis Date: **3/10/2021** SeqNo: **1323365**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0100									
Aroclor 1221	ND	0.0100									
Aroclor 1232	ND	0.0100									
Aroclor 1242	ND	0.0100									
Aroclor 1248	ND	0.0100									
Aroclor 1254	ND	0.0100									
Aroclor 1260	ND	0.0100									
Aroclor 1262	ND	0.0100									
Aroclor 1268	ND	0.0100									
Total PCBs	ND	0.0100									
Surr: Decachlorobiphenyl	226		200.0		113	9.23	163				
Surr: Tetrachloro-m-xylene	210		200.0		105	12	153				

Sample ID: **LCS1-31610** SampType: **LCS** Units: **mg/Kg** Prep Date: **3/10/2021** RunNo: **65781**
Client ID: **LCSS** Batch ID: **31610** Analysis Date: **3/10/2021** SeqNo: **1323366**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.900	0.0500	1.000	0	90.0	55.7	140				
Aroclor 1260	1.03	0.0500	1.000	0	103	58.6	145				
Surr: Decachlorobiphenyl	207		200.0		103	9.23	163				
Surr: Tetrachloro-m-xylene	206		200.0		103	12	153				

Sample ID: **2102417-006AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **3/10/2021** RunNo: **65781**
Client ID: **A5-6:9** Batch ID: **31610** Analysis Date: **3/10/2021** SeqNo: **1323369**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.01	0.0568	1.137	0	88.5	22.9	177				
Aroclor 1260	1.11	0.0568	1.137	0	98.1	30.1	157				
Surr: Decachlorobiphenyl	238		227.3		105	9.23	163				
Surr: Tetrachloro-m-xylene	234		227.3		103	12	153				

Work Order: 2102417
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **2102417-006AMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **3/10/2021**	RunNo: **65781**
Client ID: **A5-6:9**	Batch ID: **31610**		Analysis Date: **3/10/2021**	SeqNo: **1323369**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **2102417-006AMSD**	SampType: **MSD**	Units: **mg/Kg-dry**	Prep Date: **3/10/2021**	RunNo: **65781**
Client ID: **A5-6:9**	Batch ID: **31610**		Analysis Date: **3/10/2021**	SeqNo: **1323370**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.00	0.0582	1.165	0	85.9	22.9	177	1.006	0.471	30	
Aroclor 1260	1.07	0.0582	1.165	0	91.6	30.1	157	1.115	4.39	30	
Surr: Decachlorobiphenyl	242		233.0		104	9.23	163		0		
Surr: Tetrachloro-m-xylene	224		233.0		96.4	12	153		0		

Sample ID: **LCS2-31610**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **3/10/2021**	RunNo: **65781**
Client ID: **LCSS**	Batch ID: **31610**		Analysis Date: **3/10/2021**	SeqNo: **1323373**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.549	0.0500	1.000	0	54.9	47.9	148				
Surr: Decachlorobiphenyl	142		200.0		70.8	9.23	163				
Surr: Tetrachloro-m-xylene	167		200.0		83.7	12	153				

Work Order: 2102417
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **MB-31554**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **3/4/2021**		RunNo: **65657**		
Client ID: **MBLKS**	Batch ID: **31554**					Analysis Date: **3/4/2021**		SeqNo: **1320856**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0100									
Aroclor 1221	ND	0.0100									
Aroclor 1232	ND	0.0100									
Aroclor 1242	ND	0.0100									
Aroclor 1248	ND	0.0100									
Aroclor 1254	ND	0.0100									
Aroclor 1260	ND	0.0100									
Aroclor 1262	ND	0.0100									
Aroclor 1268	ND	0.0100									
Total PCBs	ND	0.0100									
Surr: Decachlorobiphenyl	21.3		20.00		107	9.23	163				
Surr: Tetrachloro-m-xylene	19.1		20.00		95.3	12	153				

Sample ID: **LCS1-31554**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **3/4/2021**		RunNo: **65657**		
Client ID: **LCSS**	Batch ID: **31554**					Analysis Date: **3/4/2021**		SeqNo: **1320857**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.105	0.0500	0.1000	0	105	55.7	140				
Aroclor 1260	0.118	0.0500	0.1000	0	118	58.6	145				
Surr: Decachlorobiphenyl	19.9		20.00		99.7	9.23	163				
Surr: Tetrachloro-m-xylene	17.5		20.00		87.4	12	153				

Sample ID: **LCS2-31554**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **3/4/2021**		RunNo: **65657**		
Client ID: **LCSS**	Batch ID: **31554**					Analysis Date: **3/4/2021**		SeqNo: **1320858**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.0978	0.0500	0.1000	0	97.8	47.9	148				
Surr: Decachlorobiphenyl	21.6		20.00		108	9.23	163				
Surr: Tetrachloro-m-xylene	19.2		20.00		96.1	12	153				

Work Order: 2102417
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **2102417-002AMS**	SampType: **MS**			Units: **mg/Kg-dry**	Prep Date: **3/4/2021**			RunNo: **65657**		
Client ID: **A5-10:12**	Batch ID: **31554**				Analysis Date: **3/4/2021**			SeqNo: **1320860**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.149	0.0637	0.1274	0	117	22.9	177				
Aroclor 1260	0.168	0.0637	0.1274	0	132	30.1	157				
Surr: Decachlorobiphenyl	29.0		25.48		114	9.23	163				
Surr: Tetrachloro-m-xylene	22.5		25.48		88.3	12	153				

Sample ID: **2102417-002AMSD**	SampType: **MSD**			Units: **mg/Kg-dry**	Prep Date: **3/4/2021**			RunNo: **65657**		
Client ID: **A5-10:12**	Batch ID: **31554**				Analysis Date: **3/4/2021**			SeqNo: **1320861**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.132	0.0601	0.1203	0	110	22.9	177	0.1490	11.9	30	
Aroclor 1260	0.147	0.0601	0.1203	0	123	30.1	157	0.1677	12.9	30	
Surr: Decachlorobiphenyl	26.1		24.06		109	9.23	163		0		
Surr: Tetrachloro-m-xylene	17.4		24.06		72.1	12	153		0		

Work Order: 2102417
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **LCS-31773**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **3/26/2021**			RunNo: **66137**		
Client ID: **LCSS**	Batch ID: **31773**					Analysis Date: **3/26/2021**			SeqNo: **1330868**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	35.0	0.746	37.31	0	93.9	80	120				

Sample ID: **2103097-005AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **3/26/2021**			RunNo: **66137**		
Client ID: **BATCH**	Batch ID: **31773**					Analysis Date: **3/26/2021**			SeqNo: **1330871**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	101	1.19	59.52	54.34	79.2	75	125				

Sample ID: **2103097-005AMSD**	SampType: **MSD**			Units: **mg/Kg-dry**		Prep Date: **3/26/2021**			RunNo: **66137**		
Client ID: **BATCH**	Batch ID: **31773**					Analysis Date: **3/26/2021**			SeqNo: **1330872**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	101	1.19	59.52	54.34	78.8	75	125	101.5	0.275	20	

Sample ID: **MB-31773**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **3/26/2021**			RunNo: **66137**		
Client ID: **MBLKS**	Batch ID: **31773**					Analysis Date: **3/26/2021**			SeqNo: **1330927**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.781									

Work Order: 2102417
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **MB-31629**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **3/12/2021**	RunNo: **65845**
Client ID: **MBLKS**	Batch ID: **31629**		Analysis Date: **3/12/2021**	SeqNo: **1324864**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0968									
Copper	ND	0.806									
Lead	ND	0.161									

Sample ID: **2103167-001AMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **3/12/2021**	RunNo: **65845**
Client ID: **BATCH**	Batch ID: **31629**		Analysis Date: **3/12/2021**	SeqNo: **1324868**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	38.7	0.111	46.08	3.610	76.1	75	125				
Copper	50.6	0.922	46.08	13.31	80.8	75	125				
Lead	27.2	0.184	23.04	12.58	63.4	75	125				S

NOTES:
S - Outlying spike recovery(ies) observed for Pb. A duplicate analysis was performed and recovered within range.

Sample ID: **2103167-001AMSD**	SampType: **MSD**	Units: **mg/Kg-dry**	Prep Date: **3/12/2021**	RunNo: **65845**
Client ID: **BATCH**	Batch ID: **31629**		Analysis Date: **3/12/2021**	SeqNo: **1324869**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	43.2	0.111	46.08	3.610	85.8	75	125	38.70	10.9	20	
Copper	52.8	0.922	46.08	13.31	85.7	75	125	50.56	4.33	20	
Lead	31.0	0.184	23.04	12.58	79.9	75	125	27.19	13.1	20	

Sample ID: **LCS-31629**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **3/12/2021**	RunNo: **65845**
Client ID: **LCSS**	Batch ID: **31629**		Analysis Date: **3/12/2021**	SeqNo: **1324879**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	39.0	0.0960	40.00	0	97.6	80	120				
Copper	41.5	0.800	40.00	0	104	80	120				
Lead	20.5	0.160	20.00	0	103	80	120				

Work Order: 2102417
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **MB-31537** SampType: **MBLK** Units: **mg/Kg** Prep Date: **3/2/2021** RunNo: **65656**
Client ID: **MBLKS** Batch ID: **31537** Analysis Date: **3/3/2021** SeqNo: **1320814**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.371	0.0909									
Copper	ND	0.758									
Lead	ND	0.152									

Sample ID: **2103036-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **3/2/2021** RunNo: **65656**
Client ID: **BATCH** Batch ID: **31537** Analysis Date: **3/3/2021** SeqNo: **1320818**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	34.1	0.103	43.01	5.699	65.9	75	125				S
Copper	42.4	0.860	43.01	15.00	63.8	75	125				S
Lead	19.3	0.172	21.51	5.941	61.9	75	125				S

NOTES:
S - Spike recovery indicates a possible matrix effect. The method is in control as indicated by the Laboratory Control Sample (LCS) and post-digestion spike (PDS).

Sample ID: **2103036-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **3/2/2021** RunNo: **65656**
Client ID: **BATCH** Batch ID: **31537** Analysis Date: **3/3/2021** SeqNo: **1320819**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	38.2	0.105	43.62	5.699	74.5	75	125	34.06	11.5	20	S
Copper	48.0	0.872	43.62	15.00	75.6	75	125	42.44	12.2	20	
Lead	20.7	0.174	21.81	5.941	67.7	75	125	19.25	7.27	20	S

NOTES:
S - Spike recovery indicates a possible matrix effect. The method is in control as indicated by the Laboratory Control Sample (LCS) and post-digestion spike (PDS).

Sample ID: **2103036-001APDS** SampType: **PDS** Units: **mg/Kg-dry** Prep Date: **3/2/2021** RunNo: **65656**
Client ID: **BATCH** Batch ID: **31537** Analysis Date: **3/3/2021** SeqNo: **1320820**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	54.7	0.119	49.6	5.70	98.8	75	125				
Copper	64.5	0.992	49.6	15.0	99.7	75	125				
Lead	28.5	0.198	24.8	5.94	91.1	75	125				

Work Order: 2102417
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **2103036-001APDS**	SampType: **PDS**	Units: **mg/Kg-dry**	Prep Date: **3/2/2021**	RunNo: **65656**
Client ID: **BATCH**	Batch ID: **31537**		Analysis Date: **3/3/2021**	SeqNo: **1320820**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **LCS-31537**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **3/2/2021**	RunNo: **65656**
Client ID: **LCSS**	Batch ID: **31537**		Analysis Date: **3/5/2021**	SeqNo: **1321778**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	33.7	0.0952	39.68	0	84.8	80	120				
Copper	33.5	0.794	39.68	0	84.4	80	120				
Lead	16.4	0.159	19.84	0	82.6	80	120				

Work Order: 2102417
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **LCS-31505**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **3/1/2021**	RunNo: **65567**
Client ID: **LCSS**	Batch ID: **31505**		Analysis Date: **3/1/2021**	SeqNo: **1318848**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	43.8	0.0952	39.68	0	110	80	120				
Lead	21.0	0.159	19.84	0	106	80	120				

Sample ID: **2102376-001AMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **3/1/2021**	RunNo: **65567**
Client ID: **BATCH**	Batch ID: **31505**		Analysis Date: **3/1/2021**	SeqNo: **1318851**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	54.6	0.122	50.86	1.350	105	75	125				
Lead	27.6	0.203	25.43	1.340	103	75	125				

Sample ID: **2102376-001AMSD**	SampType: **MSD**	Units: **mg/Kg-dry**	Prep Date: **3/1/2021**	RunNo: **65567**
Client ID: **BATCH**	Batch ID: **31505**		Analysis Date: **3/1/2021**	SeqNo: **1318852**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	55.9	0.123	51.26	1.350	106	75	125	54.59	2.36	20	
Lead	27.4	0.205	25.63	1.340	102	75	125	27.59	0.572	20	

Sample ID: **MB-31505**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **3/1/2021**	RunNo: **65567**
Client ID: **MBLKS**	Batch ID: **31505**		Analysis Date: **3/2/2021**	SeqNo: **1319310**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0952									
Lead	ND	0.159									

Sample Log-In Check List

Client Name:	**SW**	Work Order Number:	**2102417**
Logged by:	**Carissa True**	Date Received:	**2/26/2021 8:48:00 AM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐	
2.	How was the sample delivered?	Picked up by FAI			

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐	
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐		
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☑	No ☐	Not Present ☐	
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐	
7.	Were all items received at a temperature of >2°C to 6°C *	Yes ☑	No ☐	NA ☐	
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐		
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐		
10.	Are samples properly preserved?	Yes ☑	No ☐		
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐	
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑	
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐		
14.	Does paperwork match bottle labels?	Yes ☑	No ☐		
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐		
16.	Is it clear what analyses were requested?	Yes ☑	No ☐		
17.	Were all holding times able to be met?	Yes ☑	No ☐		

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☑	No ☐	NA ☐	

Person Notified:	Meg Strong	Date:	2/26/2021
By Whom:	Carissa True	Via:	☑ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:	PCB limits - info v.2		
Client Instructions:	Our POL ok		

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	3.6
Sample 2	1.1

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

March 10, 2021

FAL Project 13613

Ms. Brianna Barnes
Fremont Analytical, Inc.
3600 Fremont Ave., N.
Seattle, WA 98103

Dear Ms. Barnes,

The following results are associated with Frontier Analytical Laboratory project **13613**. This corresponds to your project number **2102417**. Three soil samples were received on 3/1/2021 at Frontier Analytical Laboratory. The samples were extracted and analyzed by EPA Method 1613 for tetra through octa chlorinated dibenzo dioxin and furans. The Toxic Equivalency (TEQ) for your samples has been calculated using the 2005 World Health Organization's (WHO's) toxic equivalency factors (TEFs). Fremont Analytical, Inc. requested a turnaround time of fifteen business days for project **13613**.

Please note that due to high levels of hepta chlorinated dibenzo dioxins (HpCDD), octa chlorinated dibenzo dioxin (OCDD) and octa chlorinated dibenzo furan (OCDF), all samples had to be diluted and reanalyzed. All results taken from the dilutions have been noted with the "*" qualifier.

The following report consists of an Analytical Data section and a Sample Receipt section. The Analytical Data section contains our sample tracking log and the analytical results. The Sample Receipt section contains your chain of custody, our sample login form and a sample photo. The enclosed results are specifically for the samples referenced in this report only. These results shall not be reproduced except in full. Frontier Analytical Laboratory's State of Oregon NELAP certificate number is **4041**. Our State of California ELAP certificate number is **2934**. This report along with the associated electronic data deliverables have been emailed to you as a portable document format (PDF) file. A hardcopy will not be sent to you unless specifically requested.

If you have any questions regarding project **13613**, please feel free to contact me at 916-934-0900. Thank you for choosing Frontier Analytical Laboratory for your analytical testing needs.

Sincerely,

Thomas C. Crabtree
Director

Frontier Analytical Laboratory

Sample Tracking Log

FAL Project ID: **13613**

Received on: **03/01/2021** Project Due: **03/23/2021** Storage: **R-4**

FAL Sample ID	Dup	Client Project ID	Client Sample ID	Requested Method	Matrix	Sampling Date	Sampling Time	Hold Time Due Date
13613-001-SA	0	2102417	A4-1:8	EPA 1613 D/F	Soil	02/25/2021	01:35 pm	02/25/2022
13613-002-SA	0	2102417	A4-3:8	EPA 1613 D/F	Soil	02/25/2021	02:10 pm	02/25/2022
13613-003-SA	0	2102417	A4-103:8	EPA 1613 D/F	Soil	02/25/2021	02:20 pm	02/25/2022

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EPA Method 1613
PCDD/F

FAL ID: 13613-001-MB
Client ID: Method Blank
Matrix: Soil
Batch No: X5630

Date Extracted: 03-02-2021
Date Received: NA
Amount: 10.00 g

ICal: PCDDFAL3-10-23-20
GC Column: DB5MS
Units: pg/g

Acquired: 03-03-2021
2005 WHO TEQ: 0.0
Basis: Dry Weight

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.0546		-	0.0359				
1,2,3,7,8-PeCDD	ND	0.0828		-	0.0485				
1,2,3,4,7,8-HxCDD	ND	0.0914		-	0.0585				
1,2,3,6,7,8-HxCDD	ND	0.0986		-	0.0614	Total TCDD	ND	0.0546	
1,2,3,7,8,9-HxCDD	ND	0.0935		-	0.0573	Total PeCDD	ND	0.0828	
1,2,3,4,6,7,8-HpCDD	ND	0.145		-	0.0791	Total HxCDD	ND	0.0986	
OCDD	ND	0.262		-	0.149	Total HpCDD	ND	0.145	
2,3,7,8-TCDF	ND	0.0430		-	0.0304				
1,2,3,7,8-PeCDF	ND	0.0553		-	0.0408				
2,3,4,7,8-PeCDF	ND	0.0588		-	0.0411				
1,2,3,4,7,8-HxCDF	ND	0.0611		-	0.0364				
1,2,3,6,7,8-HxCDF	ND	0.0625		-	0.0358				
2,3,4,6,7,8-HxCDF	ND	0.0653		-	0.0399				
1,2,3,7,8,9-HxCDF	ND	0.0727		-	0.0589	Total TCDF	ND	0.0430	
1,2,3,4,6,7,8-HpCDF	ND	0.0725		-	0.0489	Total PeCDF	ND	0.0588	
1,2,3,4,7,8,9-HpCDF	ND	0.0731		-	0.0634	Total HxCDF	ND	0.0727	
OCDF	ND	0.126		-	0.110	Total HpCDF	ND	0.0731	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	88.1	25.0 - 164	
13C-1,2,3,7,8-PeCDD	111	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	95.4	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	89.1	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	100	23.0 - 140	
13C-OCDD	97.0	17.0 - 157	
13C-2,3,7,8-TCDF	98.9	24.0 - 169	
13C-1,2,3,7,8-PeCDF	99.5	24.0 - 185	
13C-2,3,4,7,8-PeCDF	98.3	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	90.0	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	90.2	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	91.4	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	103	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	97.9	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	110	26.0 - 138	
13C-OCDF	103	17.0 - 157	
Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	99.3	35.0 - 197	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 3/9/2021

Reviewed By: _____
Date: 3/10/2021

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EPA Method 1613
PCDD/F

FAL ID: 13613-001-OPR
Client ID: OPR
Matrix: Soil
Batch No: X5630

Date Extracted: 03-02-2021
Date Received: NA
Amount: 10.00 g

ICal: PCDDFAL3-10-23-20
GC Column: DB5MS
Units: ng/ml

Acquired: 03-03-2021
2005 WHO TEQ: NA

Compound	Conc	QC Limits	Qual
2,3,7,8-TCDD	10.9	6.70 - 15.8	
1,2,3,7,8-PeCDD	54.6	35.0 - 71.0	
1,2,3,4,7,8-HxCDD	49.2	35.0 - 82.0	
1,2,3,6,7,8-HxCDD	49.7	38.0 - 67.0	
1,2,3,7,8,9-HxCDD	51.2	32.0 - 81.0	
1,2,3,4,6,7,8-HpCDD	49.2	35.0 - 70.0	
OCDD	102	78.0 - 144	
2,3,7,8-TCDF	8.99	7.50 - 15.8	
1,2,3,7,8-PeCDF	50.5	40.0 - 67.0	
2,3,4,7,8-PeCDF	50.5	34.0 - 80.0	
1,2,3,4,7,8-HxCDF	51.0	36.0 - 67.0	
1,2,3,6,7,8-HxCDF	51.2	42.0 - 65.0	
2,3,4,6,7,8-HxCDF	51.2	35.0 - 78.0	
1,2,3,7,8,9-HxCDF	52.0	39.0 - 65.0	
1,2,3,4,6,7,8-HpCDF	55.2	41.0 - 61.0	
1,2,3,4,7,8,9-HpCDF	54.5	39.0 - 69.0	
OCDF	105	63.0 - 170	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	102	20.0 - 175	
13C-1,2,3,7,8-PeCDD	121	21.0 - 227	
13C-1,2,3,4,7,8-HxCDD	108	21.0 - 193	
13C-1,2,3,6,7,8-HxCDD	101	25.0 - 163	
13C-1,2,3,4,6,7,8-HpCDD	115	26.0 - 166	
13C-OCDD	110	13.0 - 198	
13C-2,3,7,8-TCDF	123	22.0 - 152	
13C-1,2,3,7,8-PeCDF	126	21.0 - 192	
13C-2,3,4,7,8-PeCDF	129	13.0 - 328	
13C-1,2,3,4,7,8-HxCDF	105	19.0 - 202	
13C-1,2,3,6,7,8-HxCDF	105	21.0 - 159	
13C-2,3,4,6,7,8-HxCDF	107	22.0 - 176	
13C-1,2,3,7,8,9-HxCDF	113	17.0 - 205	
13C-1,2,3,4,6,7,8-HpCDF	112	21.0 - 158	
13C-1,2,3,4,7,8,9-HpCDF	125	20.0 - 186	
13C-OCDF	117	13.0 - 198	

Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	104	31.0 - 191	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____

Date: 3/9/2021

Reviewed By: _____

Date: 3/10/2021

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EPA Method 1613
PCDD/F

FAL ID: 13613-001-SA
Client ID: A4-1:8
Matrix: Soil
Batch No: X5630

Date Extracted: 03-02-2021
Date Received: 03-01-2021
Amount: 10.03 g
% Solids: 78.37

ICal: PCDDFAL3-10-23-20
GC Column: DB5MS
Units: pg/g

Acquired: 03-03-2021
2005 WHO TEQ: 33.3
Basis: Dry Weight

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	0.310	-	J	0.310	0.0359				
1,2,3,7,8-PeCDD	2.12	-	J	2.12	0.0485				
1,2,3,4,7,8-HxCDD	13.3	-		1.33	0.0585				
1,2,3,6,7,8-HxCDD	24.1	-		2.41	0.0614	Total TCDD	7.41	-	M
1,2,3,7,8,9-HxCDD	25.4	-		2.54	0.0573	Total PeCDD	19.5	-	
1,2,3,4,6,7,8-HpCDD	1820	-		18.2	0.0791	Total HxCDD	153	-	
OCDD	15700	-	*	4.71	0.149	Total HpCDD	2390	-	
2,3,7,8-TCDF	0.846	-		0.0846	0.0304				
1,2,3,7,8-PeCDF	0.821	-	J	0.0246	0.0408				
2,3,4,7,8-PeCDF	1.99	-	J	0.597	0.0411				
1,2,3,4,7,8-HxCDF	1.99	-	J	0.199	0.0364				
1,2,3,6,7,8-HxCDF	1.74	-	J	0.174	0.0358				
2,3,4,6,7,8-HxCDF	2.00	-	J	0.200	0.0399				
1,2,3,7,8,9-HxCDF	0.637	-	J	0.0637	0.0589	Total TCDF	25.6	-	D,M
1,2,3,4,6,7,8-HpCDF	28.2	-		0.282	0.0489	Total PeCDF	24.5	-	D,M
1,2,3,4,7,8,9-HpCDF	3.56	-		0.0356	0.0634	Total HxCDF	28.5	-	D,M
OCDF	108	-		0.0324	0.110	Total HpCDF	85.7	-	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	109	25.0 - 164	
13C-1,2,3,7,8-PeCDD	127	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	109	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	92.5	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	107	23.0 - 140	
13C-OCDD	128	17.0 - 157	*
13C-2,3,7,8-TCDF	113	24.0 - 169	
13C-1,2,3,7,8-PeCDF	111	24.0 - 185	
13C-2,3,4,7,8-PeCDF	112	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	101	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	99.4	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	99.9	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	109	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	102	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	120	26.0 - 138	
13C-OCDF	114	17.0 - 157	
Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	100	35.0 - 197	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 3/9/2021

Reviewed By: _____
Date: 3/10/2021

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EPA Method 1613
PCDD/F

FAL ID: 13613-002-SA
Client ID: A4-3:8
Matrix: Soil
Batch No: X5630

Date Extracted: 03-02-2021
Date Received: 03-01-2021
Amount: 10.05 g
% Solids: 81.82

ICal: PCDDFAL3-10-23-20
GC Column: DB5MS
Units: pg/g

Acquired: 03-03-2021
2005 WHO TEQ: 124
Basis: Dry Weight

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	1.38	-		1.38	0.0359				
1,2,3,7,8-PeCDD	7.15	-		7.15	0.0485				
1,2,3,4,7,8-HxCDD	21.9	-		2.19	0.0585				
1,2,3,6,7,8-HxCDD	113	-		11.3	0.0614	Total TCDD	41.9	-	
1,2,3,7,8,9-HxCDD	37.8	-		3.78	0.0573	Total PeCDD	122	-	
1,2,3,4,6,7,8-HpCDD	5430	-	*	54.3	0.0791	Total HxCDD	881	-	
OCDD	89300	-	*	26.8	0.149	Total HpCDD	11200	-	*
2,3,7,8-TCDF	1.95	-	F	0.195	0.0304				
1,2,3,7,8-PeCDF	1.12	-	J	0.0336	0.0408				
2,3,4,7,8-PeCDF	3.20	-		0.960	0.0411				
1,2,3,4,7,8-HxCDF	14.1	-		1.41	0.0364				
1,2,3,6,7,8-HxCDF	6.39	-		0.639	0.0358				
2,3,4,6,7,8-HxCDF	12.5	-		1.25	0.0399				
1,2,3,7,8,9-HxCDF	2.41	-	J	0.241	0.0589	Total TCDF	32.2	-	
1,2,3,4,6,7,8-HpCDF	1050	-		10.5	0.0489	Total PeCDF	31.8	-	D,M
1,2,3,4,7,8,9-HpCDF	62.4	-		0.624	0.0634	Total HxCDF	460	-	D,M
OCDF	5260	-	*	1.58	0.110	Total HpCDF	4860	-	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	109	25.0 - 164	
13C-1,2,3,7,8-PeCDD	129	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	107	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	89.3	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	130	23.0 - 140	*
13C-OCDD	140	17.0 - 157	*
13C-2,3,7,8-TCDF	109	24.0 - 169	
13C-1,2,3,7,8-PeCDF	117	24.0 - 185	
13C-2,3,4,7,8-PeCDF	118	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	87.1	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	89.4	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	99.0	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	108	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	83.2	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	121	26.0 - 138	
13C-OCDF	132	17.0 - 157	*

Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	107	35.0 - 197	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 3/9/2021

Reviewed By: _____
Date: 3/10/2021

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1613
PCDD/F

FAL ID: 13613-003-SA
Client ID: A4-103:8
Matrix: Soil
Batch No: X5630

Date Extracted: 03-02-2021
Date Received: 03-01-2021
Amount: 10.10 g
% Solids: 82.14

ICal: PCDDFAL3-10-23-20
GC Column: DB5MS
Units: pg/g

Acquired: 03-03-2021
2005 WHO TEQ: 42.2
Basis: Dry Weight

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	1.41	-		1.41	0.0359				
1,2,3,7,8-PeCDD	6.07	-		6.07	0.0485				
1,2,3,4,7,8-HxCDD	13.7	-		1.37	0.0585				
1,2,3,6,7,8-HxCDD	40.8	-		4.08	0.0614	Total TCDD	42.9	-	
1,2,3,7,8,9-HxCDD	22.3	-		2.23	0.0573	Total PeCDD	111	-	
1,2,3,4,6,7,8-HpCDD	1440	-		14.4	0.0791	Total HxCDD	497	-	
OCDD	19800	-	*	5.94	0.149	Total HpCDD	3000	-	
2,3,7,8-TCDF	4.00	-	F	0.400	0.0304				
1,2,3,7,8-PeCDF	2.32	-	J	0.0696	0.0408				
2,3,4,7,8-PeCDF	4.34	-		1.30	0.0411				
1,2,3,4,7,8-HxCDF	7.68	-		0.768	0.0364				
1,2,3,6,7,8-HxCDF	5.26	-		0.526	0.0358				
2,3,4,6,7,8-HxCDF	6.93	-		0.693	0.0399				
1,2,3,7,8,9-HxCDF	1.54	-	J	0.154	0.0589	Total TCDF	73.1	-	D,M
1,2,3,4,6,7,8-HpCDF	230	-		2.30	0.0489	Total PeCDF	66.2	-	D,M
1,2,3,4,7,8,9-HpCDF	14.4	-		0.144	0.0634	Total HxCDF	194	-	D,M
OCDF	1130	-		0.339	0.110	Total HpCDF	888	-	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	109	25.0 - 164	
13C-1,2,3,7,8-PeCDD	134	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	105	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	97.1	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	108	23.0 - 140	
13C-OCDD	140	17.0 - 157	*
13C-2,3,7,8-TCDF	105	24.0 - 169	
13C-1,2,3,7,8-PeCDF	112	24.0 - 185	
13C-2,3,4,7,8-PeCDF	113	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	98.3	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	97.8	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	99.7	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	110	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	104	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	119	26.0 - 138	
13C-OCDF	114	17.0 - 157	

Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	112	35.0 - 197	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 3/9/2021

Reviewed By: _____
Date: 3/10/2021

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

Fremont Analytical

CHAIN OF CUSTODY RECORD

Omega COCID 976	PAGE: 1	OF: 1

13613
4°C

ADDRESS
Fremont Analytical, Inc.
3600 Fremont Ave. N.
Seattle, WA 98103
TEL: 206-352-3790
FAX: 206-352-7178
Website: www.fremontanalytical.com

SUB CONTRATOR: **Frontier Analytical La** COMPANY: **Frontier Analytical Laboratory**	SPECIAL INSTRUCTIONS / COMMENTS:
ADDRESS: **5172 Hillsdale Circle**	Report to Lowest Detection Limit please! Standard TAT. Please email results to Brianna Barnes at bbarnes@fremontanalytical.com and Matt Langston at mlangston@fremontanalytical.com.
CITY, STATE, ZIP: **El Dorado Hills, CA 95762**	
PHONE: **(916) 934-0900** FAX: **(916) 934-0999** EMAIL:	
ACCOUNT #:	

ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description.
1	2102417-011B	A4-1:8	CLEAR JARS 8 O	Soil	2/25/2021 1:35:00 PM	1	
	O-DIOXIN						
2	2102417-017B	A4-3:8	CLEAR JARS 8 O	Soil	2/25/2021 2:10:00 PM	1	
	O-DIOXIN						
3	2102417-019B	A4-103:8	CLEAR JARS 8 O	Soil	2/25/2021 2:20:00 PM	1	
	O-DIOXIN						

Brianna to Kathy - EPA method 1613 D/F. KZ 3/01/2021

Relinquished By:	Date: 2/26/21	Time: 1454	Received By: Kathy Sapp	Date: 3-1-21	Time: 945
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ **RUSH** Next BD ☐ 2nd BD ☐ 3rd BD ☐

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED:

☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY

Temp of samples _____ °C Attempt to Cool ? _____

Comments: _____

Frontier Analytical Laboratory

Sample Login Form

FAL Project ID: **13613**

Client:	Fremont Analytical
Client Project ID:	2102417
Date Received:	03/01/2021
Time Received:	09:45 am
Received By:	KZ
Logged In By:	KZ
# of Samples Received:	3
Duplicates:	0
Storage Location:	R-4

Method of Delivery:	UPS
Tracking Number:	1ZX6192X0165133371
Shipping Container Received Intact	Yes
Custody seals(s) present?	No
Custody seals(s) intact?	No
Sample Arrival Temperature (C)	NA
Cooling Method	Blue Ice
Chain Of Custody Present?	Yes
Return Shipping Container To Client	Yes
Test aqueous sample for residual Chlorine	No
Sodium Thiosulfate Added	No
Adequate Sample Volume	Yes
Appropriate Sample Container	No
pH Range of Aqueous Sample	N/A

Anomalies or additional comments:

Please note that the samples were received in clear glass jars. NELAP requires samples be received in amber glass bottles or jars. Although this anomaly will not affect your results, we are required by NELAP to make a note of it. We will proceed with analysis unless directed otherwise by you.

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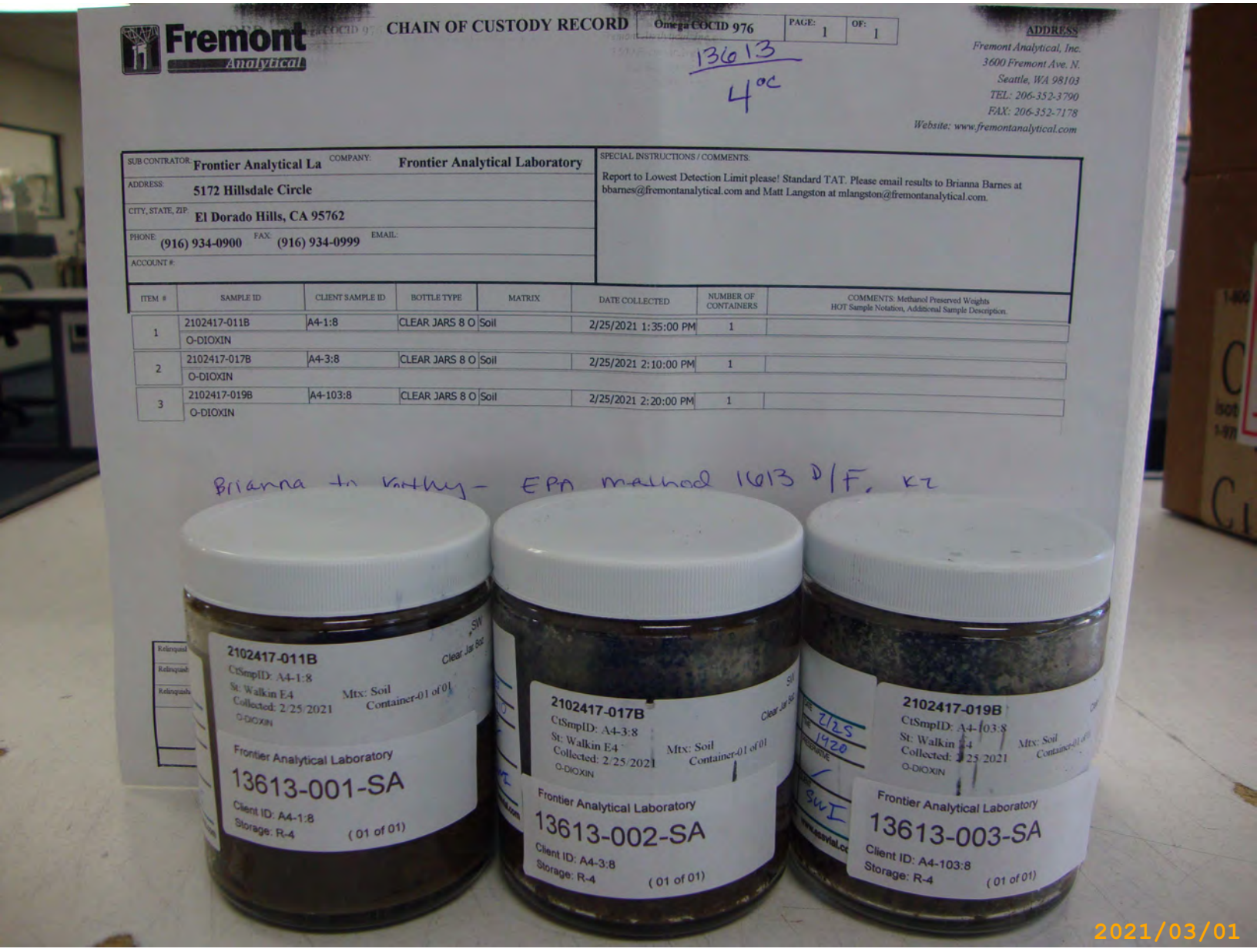
Fremont Analytical
CHAIN OF CUSTODY RECORD
Omega COCID 976
PAGE: 1 OF: 1
13613
4°C
ADDRESS
Fremont Analytical, Inc.
3600 Fremont Ave. N.
Seattle, WA 98103
TEL: 206-352-3790
FAX: 206-352-7178
Website: www.fremontanalytical.com
SUB CONTRATOR: Frontier Analytical La
COMPANY: Frontier Analytical Laboratory
ADDRESS: 5172 Hillsdale Circle
CITY, STATE, ZIP: El Dorado Hills, CA 95762
PHONE: (916) 934-0900 FAX: (916) 934-0999 EMAIL:
ACCOUNT #:
SPECIAL INSTRUCTIONS / COMMENTS:
Report to Lowest Detection Limit please! Standard TAT. Please email results to Brianna Barnes at bbarnes@fremontanalytical.com and Matt Langston at mlangston@fremontanalytical.com.
ITEM # | SAMPLE ID | CLIENT SAMPLE ID | BOTTLE TYPE | MATRIX | DATE COLLECTED | NUMBER OF CONTAINERS | COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description.
1 | 2102417-011B | A4-1:8 | CLEAR JARS 8 O | Soil | 2/25/2021 1:35:00 PM | 1
O-DIOXIN
2 | 2102417-017B | A4-3:8 | CLEAR JARS 8 O | Soil | 2/25/2021 2:10:00 PM | 1
O-DIOXIN
3 | 2102417-019B | A4-103:8 | CLEAR JARS 8 O | Soil | 2/25/2021 2:20:00 PM | 1
O-DIOXIN
Brianna to Kathy - EPA method 1613 D/F. KZ
2102417-011B
CtSmpID: A4-1:8
St: Walkin E4
Collected: 2/25/2021
Mtx: Soil
Container-01 of 01
O-DIOXIN
Frontier Analytical Laboratory
13613-001-SA
Client ID: A4-1:8
Storage: R-4
(01 of 01)
2102417-017B
CtSmpID: A4-3:8
St: Walkin E4
Collected: 2/25/2021
Mtx: Soil
Container-01 of 01
O-DIOXIN
Frontier Analytical Laboratory
13613-002-SA
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(01 of 01)
2102417-019B
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Mtx: Soil
O-DIOXIN
Frontier Analytical Laboratory
13613-003-SA
Client ID: A4-103:8
Storage: R-4
(01 of 01)
2021/03/01

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 2/25/2021 Page: 1 of: 3

Laboratory Project No (internal): 210217

Project Name: 8801

Special Remarks:
⊗ = Hold
• Please refer to E-mail for required reporting limits

Project No: 21-1-12567

Client: Shannon & Wilson, Inc.

Collected by: CTC

Address: 400 N. 34th St., Suite 100

Location: Tukwila, WA

City, State, Zip: Seattle, WA 98103

Report To (PM): ~~MTS~~ Meg Strong

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Telephone: 206-632-8020

PM Email: MTS@shanwil.com

Fax: 206-695-6777

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Dioxin / Furan	Arsenic + Lead	Copper	Comments
1	A5-10:11	2/25	1552	S	1							⊗						⊗			
2	A5-10.12	2/25	1555	S	1							X						X			
3	A5-10:13	2/25	1558	S	1							⊗						⊗			
4	A5-6:7	2/25	1645	S	1							⊗						⊗			
5	A5-6.8	2/25	1650	S	1							X						X			
6	A5-6.9	2/25	1655	S	1							⊗						⊗			
7	A5-9:11	2/25	1614	S	1							⊗						⊗			
8	A5-9:12	2/25	1619	S	1							X						X			
9	A5-9.13	2/25	1622	S	1							⊗						⊗			
10	A4-1:7	2/25	1330	S	1							⊗							⊗		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Christian Canfield	2/25/2021 1900	x		2/26/21 848
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 2/25/2021 Page: 2 of: 3

Laboratory Project No (internal): 2102417

Project Name: 8801

Special Remarks:
⊗ = Hold
• Please refer to E-mail for required reporting limits

Project No: 21-1-12567

Collected by: CTC

Location: Tukwila, WA

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Report To (PM): Meg Strong

PM Email: MTS@shanwil.com

Client: Shannon & Wilson, Inc.

Address: 400 N. 34th St., Suite 100

City, State, Zip: Seattle, WA 98103

Telephone: 206-632-8020

Fax: 206-695-6777

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Dioxin / Furan	Arsenic + Lead Copper	Comments
1	A4-1:8	2/25	1335	S	2							X					X	X	
2	A4-1:9	2/25	1340	S	1							⊗						⊗	
3	A4-2:7	2/25	1455	S	1							⊗						⊗	
4	A4-2:8	2/25	1500	S	2							X					⊗	X	
5	A4-2:9	2/25	1505	S	1							⊗						⊗	
6	A4-3:7	2/25	1405	S	1							⊗						⊗	
7	A4-3:8	2/25	1410	S	2							X					X	X	
8	A4-3:9	2/25	1415	S	1							⊗						⊗	
9	A4-103:8	2/25	1420	S	2							X					X	X	
10	A4-4:7	2/25	1435	S	1							⊗						⊗	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Christian Canfield	2/25/2021 1900	x	Langston	2/26/21 848
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 2/25/2021 Page: 3 of: 3

Laboratory Project No (internal): 2102417

Project Name: 8801

Special Remarks:
⊗ = Hold
• Please refer to E-mail for required reporting limits

Project No: 21-1-12567

Client: Shannon & Wilson, Inc.

Collected by: CTC

Address: 400 N. 34th St., Suite 100

Location: Tukwila, WA

City, State, Zip: Seattle, WA 98103

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Report To (PM): Meg Strong

Telephone: 206-632-8020

PM Email: MJS@shanwil.com

Fax: 206-695-6777

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Dioxin / Furan	Arsenic + Lead	Copper	Comments
1	A4-4:8	2/25	1440	S	2							X					⊗		X		
2	A4-4:9	2/25	1445	S	1							⊗							⊗		
3	A7-1:9	2/25	1240	S	3		⊗														
4	A7-1:10	2/25	1245	S	3		X														
5	A7-1:11	2/25	1250	S	3		⊗														
6	A8-1'9	2/25	1130	S	3		⊗														
7	A8-1:10	2/25	1135	S	3		X														
8	A8-1:11	2/25	1140	S	3		⊗														
9	A8-101:10	2/25	1145	S	3		X														
10	Trip Blank	2/25		W	1		X														

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day ☐ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Christian Canfield	2/25/2021 1900	x	M Caughron	2/26/21 0848
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 2/25/2021 Page: 1 of: 3

Laboratory Project No (internal): 210217

Project Name: 8801

Special Remarks:
⊗ = Hold
• Please refer to E-mail for required reporting limits

Project No: 21-1-12567

Client: Shannon & Wilson, Inc.

Collected by: CTC

Address: 400 N. 34th St., Suite 100

Location: Tukwila, WA

City, State, Zip: Seattle, WA 98103

Report To (PM): ~~MTJS~~ Meg Strong

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Telephone: 206-632-8020

PM Email: MTJS@shanwil.com

Fax: 206-695-6777

X = run 3/10 per MS by CRT

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Dioxin / Furan	Arsenic + Lead	Copper	Comments
1	A5-10:11	2/25	1552	S	1								X					⊗			
2	A5-10.12	2/25	1555	S	1								X					X			
3	A5-10:13	2/25	1558	S	1								⊗					⊗			
4	A5-6:7	2/25	1645	S	1								⊗					⊗			
5	A5-6.8	2/25	1650	S	1								X					X			
6	A5-6.9	2/25	1655	S	1								X					X			
7	A5-9:11	2/25	1614	S	1								X					X			
8	A5-9:12	2/25	1619	S	1								X					X			
9	A5-9.13	2/25	1622	S	1								⊗					⊗			
10	A4-1:7	2/25	1330	S	1								X						X		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Christian Canfield	2/25/2021 1900	x		2/26/21 648
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 2/25/2021 Page: 2 of: 3

Laboratory Project No (internal): 2402417

Project Name: 8801

Special Remarks:
⊗ = Hold
• Please refer to E-mail for required reporting limits

Project No: 21-1-12567

Collected by: CTC

Location: Tukwila, WA

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Report To (PM): Meg Strong

PM Email: MTS@shanwil.com

Client: Shannon & Wilson, Inc.

Address: 400 N. 34th St., Suite 100

City, State, Zip: Seattle, WA 98103

Telephone: 206-632-8020

Fax: 206-695-6777

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Dioxin / Furan	Arsenic + Lead Copper	Comments
1	A4-1:8	2/25	1335	S	2								X				X		X	
2	A4-1:9	2/25	1340	S	1								⊗						⊗	
3	A4-2:7	2/25	1455	S	1								⊗						⊗	
4	A4-2:8	2/25	1500	S	2								X				⊗		X	
5	A4-2:9	2/25	1505	S	1								X						X	
6	A4-3:7	2/25	1405	S	1								X						X	
7	A4-3:8	2/25	1410	S	2								X				X		X	
8	A4-3:9	2/25	1415	S	1								⊗						⊗	
9	A4-103:8	2/25	1420	S	2								X				X		X	
10	A4-4:7	2/25	1435	S	1								⊗						⊗	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Christian Canfield	2/25/2021 1900	x	Langston	2/26/21 848
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Fremont Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 2/25/2021 Page: 3 of: 3

Laboratory Project No (internal): 2102417

Special Remarks:
⊗ = Hold
· Please refer to E-mail for required reporting limits

Client: Shannon & Wilson, Inc.
Address: 400 N. 34th St., Suite 100
City, State, Zip: Seattle, WA 98103
Telephone: 206-632-8020
Fax: 206-695-6777

Project Name: 8801
Project No: 21-1-12567
Collected by: CTC
Location: Tukwila, WA
Report To (PM): Meg Strong
PM Email: MJS@shanwil.com

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) / Dissolved (D)	Anions (IC)***	EDB (8011)	Dioxin / Furan	Arsenic + Lead	Copper	Comments
1	A4-4:8	2/25	1440	S	2								X					⊗		X	
2	A4-4:9	2/25	1445	S	1								⊗ X							⊗ X	
3	A7-1:9	2/25	1240	S	3			⊗ X													
4	A7-1:10	2/25	1245	S	3			X													
5	A7-1:11	2/25	1250	S	3			⊗													
6	A8-1:9	2/25	1130	S	3			⊗ X													
7	A8-1:10	2/25	1135	S	3			X													
8	A8-1:11	2/25	1140	S	3			⊗ X													
9	A8-101:10	2/25	1145	S	3			X													
10	Trip Blank	2/25		W	1			X													

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day ____ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x [signature]	Christian Canfield	2/25/2021 1900	x [signature]	M Langston	2/26/21 0848
x			x		

COC 1.3 - 11.06.20

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 2/25/2021 Page: 1 of: 3

Laboratory Project No (internal): 210217

Project Name: 8801

Special Remarks:
⊗ = Hold
• Please refer to E-mail for required reporting limits

Project No: 21-1-12567

Client: Shannon & Wilson, Inc.

Collected by: CTC

Address: 400 N. 34th St., Suite 100

Location: Tukwila, WA

City, State, Zip: Seattle, WA 98103

Report To (PM): ~~MTJS~~ Meg Strong

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Telephone: 206-632-8020

PM Email: MTJS@shanwil.com

Fax: 206-695-6777

X = run 3/10 per MS by CRT

X = add per MS Std, 3/24/21 -CG

#	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Dioxin / Furan	Arsenic + Lead Copper	Comments
1	A5-10:11	2/25	1552	S	1								X				X		
2	A5-10.12	2/25	1555	S	1								X				X		
3	A5-10:13	2/25	1558	S	1								⊗				⊗		
4	A5-6:7	2/25	1645	S	1								⊗				⊗		
5	A5-6.8	2/25	1650	S	1								X				X		
6	A5-6.9	2/25	1655	S	1								X				X		
7	A5-9:11	2/25	1614	S	1								X				X		
8	A5-9:12	2/25	1619	S	1								X				X		
9	A5-9.13	2/25	1622	S	1								⊗				⊗		
10	A4-1:7	2/25	1330	S	1								X					X	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Christian Canfield	2/25/2021 1900	x		2/26/21 648
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 2/25/2021 Page: 2 of: 3

Laboratory Project No (internal): 2402417

Project Name: 8801

Special Remarks:
⊗ = Hold
• Please refer to E-mail for required reporting limits

Project No: 21-1-12567

Collected by: CTC

Location: Tukwila, WA

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Report To (PM): Meg Strong

PM Email: MTS@shanwil.com

Client: Shannon & Wilson, Inc.

Address: 400 N. 34th St., Suite 100

City, State, Zip: Seattle, WA 98103

Telephone: 206-632-8020

Fax: 206-695-6777

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T)	Dissolved (D)	Anions (IC)***	EDB (8011)	Dioxin / Furan	Arsenic + Lead	Copper	Comments
1	A4-1:8	2/25	1335	S	2							X						X		X		
2	A4-1:9	2/25	1340	S	1							⊗								⊗		
3	A4-2:7	2/25	1455	S	1							X								X		
4	A4-2:8	2/25	1500	S	2							X						⊗		X		
5	A4-2:9	2/25	1505	S	1							X								X		
6	A4-3:7	2/25	1405	S	1							X								X		
7	A4-3:8	2/25	1410	S	2							X						X		X		
8	A4-3:9	2/25	1415	S	1							⊗								⊗		
9	A4-103:8	2/25	1420	S	2							X						X		X		
10	A4-4:7	2/25	1435	S	1							X								X		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
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☐ 3 Day ☐ Same Day
☐ 2 Day (specify)

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Christian Canfield	2/25/2021 1900	x	Langston	2/26/21 848
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 2/25/2021 Page: 3 of: 3

Laboratory Project No (internal): 2102417

Project Name: 8801

Special Remarks:
⊗ = Hold
• Please refer to E-mail for required reporting limits

Project No: 21-1-12567

Client: Shannon & Wilson, Inc.

Collected by: CTC

Address: 400 N. 34th St., Suite 100

Location: Tukwila, WA

City, State, Zip: Seattle, WA 98103

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Report To (PM): Meg Strong

Telephone: 206-632-8020

PM Email: MJS@shanwil.com

Fax: 206-695-6777

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Dioxin / Furan	Arsenic + Lead	Copper	Comments
1	A4-4:8	2/25	1440	S	2							X					⊗		X		
2	A4-4:9	2/25	1445	S	1							X							X		
3	A7-1:9	2/25	1240	S	3		⊗														
4	A7-1:10	2/25	1245	S	3		X														
5	A7-1:11	2/25	1250	S	3		⊗														
6	A8-1'9	2/25	1130	S	3		⊗														
7	A8-1:10	2/25	1135	S	3		X														
8	A8-1:11	2/25	1140	S	3		⊗														
9	A8-101:10	2/25	1145	S	3		X														
10	Trip Blank	2/25		W	1		X														

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day ☐ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Christian Canfield	2/25/2021 1900	x	M Caughron	2/26/21 0648
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Shannon & Wilson
Meg Strong
400 N. 34th Street, Suite 100
Seattle, WA 98103

RE: 8801
Work Order Number: 2103028

March 17, 2021

Attention Meg Strong:

Fremont Analytical, Inc. received 30 sample(s) on 3/2/2021 for the analyses presented in the following report.

Polychlorinated Biphenyls (PCB) by EPA 8082
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

Date: *03/18/2021*

CLIENT: Shannon & Wilson
Project: 8801
Work Order: 2103028

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2103028-001	A5-2:8	03/01/2021 1:45 PM	03/02/2021 8:42 AM
2103028-002	A5-2:9	03/01/2021 1:48 PM	03/02/2021 8:42 AM
2103028-003	A5-2:10	03/01/2021 1:51 PM	03/02/2021 8:42 AM
2103028-004	A5-4:7	03/01/2021 10:57 AM	03/02/2021 8:42 AM
2103028-005	A5-4:8	03/01/2021 11:02 AM	03/02/2021 8:42 AM
2103028-006	A5-4:9	03/01/2021 11:05 AM	03/02/2021 8:42 AM
2103028-007	A5-5:11	03/01/2021 11:20 AM	03/02/2021 8:42 AM
2103028-008	A5-5:12	03/01/2021 11:23 AM	03/02/2021 8:42 AM
2103028-009	A5-5:13	03/01/2021 11:26 AM	03/02/2021 8:42 AM
2103028-010	A5-105:12	03/01/2021 11:35 AM	03/02/2021 8:42 AM
2103028-011	A5-3:9	03/01/2021 11:50 AM	03/02/2021 8:42 AM
2103028-012	A5-3:10	03/01/2021 11:53 AM	03/02/2021 8:42 AM
2103028-013	A5-3:11	03/01/2021 11:56 AM	03/02/2021 8:42 AM
2103028-014	A5-7:11	03/01/2021 12:15 PM	03/02/2021 8:42 AM
2103028-015	A5-7:12	03/01/2021 12:20 PM	03/02/2021 8:42 AM
2103028-016	A5-7:13	03/01/2021 12:25 PM	03/02/2021 8:42 AM
2103028-017	A5-8:11	03/01/2021 1:00 PM	03/02/2021 8:42 AM
2103028-018	A5-8:12	03/01/2021 1:03 PM	03/02/2021 8:42 AM
2103028-019	A5-8:13	03/01/2021 1:06 PM	03/02/2021 8:42 AM
2103028-020	A5-1:11	03/01/2021 1:20 PM	03/02/2021 8:42 AM
2103028-021	A5-1:12	03/01/2021 1:23 PM	03/02/2021 8:42 AM
2103028-022	A5-1:13	03/01/2021 1:26 PM	03/02/2021 8:42 AM
2103028-023	A5-2:C	03/01/2021 1:55 PM	03/02/2021 8:42 AM
2103028-024	A5-4:C	03/01/2021 11:10 AM	03/02/2021 8:42 AM
2103028-025	A5-5:C	03/01/2021 11:30 AM	03/02/2021 8:42 AM
2103028-026	A5-3:C	03/01/2021 12:00 PM	03/02/2021 8:42 AM
2103028-027	A5-7:C	03/01/2021 12:30 PM	03/02/2021 8:42 AM
2103028-028	A5-8:C	03/01/2021 1:10 PM	03/02/2021 8:42 AM
2103028-029	A5-1:C	03/01/2021 1:30 PM	03/02/2021 8:42 AM
2103028-030	Trip Blank	02/26/2021 10:22 AM	03/02/2021 8:42 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Revision v2

Case Narrative

WO#: **2103028**
Date: **3/17/2021**

CLIENT: Shannon & Wilson
Project: 8801

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

3/17/2021: Revision 1 includes additional analysis requested by client.
3/18/2021: Revision 2 includes corrected PCB reporting limits.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **2103028**
Date Reported: **3/17/2021**

Client: Shannon & Wilson
Collection Date: 3/1/2021 1:45:00 PM
Project: 8801
Lab ID: 2103028-001
Matrix: Soil
Client Sample ID: A5-2:8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31645		Analyst: SB
Aroclor 1016	ND	0.0120		mg/Kg-dry	1	3/16/2021 10:50:14 AM
Aroclor 1221	ND	0.0120		mg/Kg-dry	1	3/16/2021 10:50:14 AM
Aroclor 1232	ND	0.0120		mg/Kg-dry	1	3/16/2021 10:50:14 AM
Aroclor 1242	ND	0.0120		mg/Kg-dry	1	3/16/2021 10:50:14 AM
Aroclor 1248	ND	0.0120		mg/Kg-dry	1	3/16/2021 10:50:14 AM
Aroclor 1254	ND	0.0120		mg/Kg-dry	1	3/16/2021 10:50:14 AM
Aroclor 1260	ND	0.0120		mg/Kg-dry	1	3/16/2021 10:50:14 AM
Aroclor 1262	ND	0.0120		mg/Kg-dry	1	3/16/2021 10:50:14 AM
Aroclor 1268	ND	0.0120		mg/Kg-dry	1	3/16/2021 10:50:14 AM
Total PCBs	ND	0.0120		mg/Kg-dry	1	3/16/2021 10:50:14 AM
Surr: Decachlorobiphenyl	88.5	9.23 - 163		%Rec	1	3/16/2021 10:50:14 AM
Surr: Tetrachloro-m-xylene	131	12 - 153		%Rec	1	3/16/2021 10:50:14 AM
Total Metals by EPA Method 6020B				Batch ID: 31629		Analyst: EH
Arsenic	5.10	0.119		mg/Kg-dry	1	3/12/2021 5:43:45 PM
Lead	33.4	0.198		mg/Kg-dry	1	3/12/2021 5:43:45 PM
Sample Moisture (Percent Moisture)				Batch ID: R65882		Analyst: OK
Percent Moisture	19.8	0.500		wt%	1	3/16/2021 9:22:17 AM

Analytical Report

Work Order: **2103028**
Date Reported: **3/17/2021**

Client: Shannon & Wilson
Collection Date: 3/1/2021 1:48:00 PM
Project: 8801
Lab ID: 2103028-002
Matrix: Soil
Client Sample ID: A5-2:9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31554		Analyst: SB
Aroclor 1016	ND	0.0115		mg/Kg-dry	1	3/4/2021 9:27:05 PM
Aroclor 1221	ND	0.0115		mg/Kg-dry	1	3/4/2021 9:27:05 PM
Aroclor 1232	ND	0.0115		mg/Kg-dry	1	3/4/2021 9:27:05 PM
Aroclor 1242	ND	0.0115		mg/Kg-dry	1	3/4/2021 9:27:05 PM
Aroclor 1248	ND	0.0115		mg/Kg-dry	1	3/4/2021 9:27:05 PM
Aroclor 1254	ND	0.0115		mg/Kg-dry	1	3/4/2021 9:27:05 PM
Aroclor 1260	ND	0.0115		mg/Kg-dry	1	3/4/2021 9:27:05 PM
Aroclor 1262	ND	0.0115		mg/Kg-dry	1	3/4/2021 9:27:05 PM
Aroclor 1268	ND	0.0115		mg/Kg-dry	1	3/4/2021 9:27:05 PM
Total PCBs	ND	0.0115		mg/Kg-dry	1	3/4/2021 9:27:05 PM
Surr: Decachlorobiphenyl	110	9.23 - 163		%Rec	1	3/4/2021 9:27:05 PM
Surr: Tetrachloro-m-xylene	92.2	12 - 153		%Rec	1	3/4/2021 9:27:05 PM
Total Metals by EPA Method 6020B				Batch ID: 31537		Analyst: EH
Arsenic	2.21	0.126	B	mg/Kg-dry	1	3/4/2021 12:40:26 AM
Lead	2.79	0.209		mg/Kg-dry	1	3/4/2021 12:40:26 AM
Sample Moisture (Percent Moisture)				Batch ID: R65611		Analyst: OK
Percent Moisture	25.9	0.500		wt%	1	3/3/2021 11:52:57 AM

NOTES:
B - Indicates a detection in the ICB or CCB.

Analytical Report

Work Order: **2103028**
Date Reported: **3/17/2021**

Client: Shannon & Wilson
Collection Date: 3/1/2021 10:57:00 AM
Project: 8801
Lab ID: 2103028-004
Matrix: Soil
Client Sample ID: A5-4:7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31645		Analyst: SB
Aroclor 1016	ND	0.0119		mg/Kg-dry	1	3/16/2021 11:00:00 AM
Aroclor 1221	ND	0.0119		mg/Kg-dry	1	3/16/2021 11:00:00 AM
Aroclor 1232	ND	0.0119		mg/Kg-dry	1	3/16/2021 11:00:00 AM
Aroclor 1242	ND	0.0119		mg/Kg-dry	1	3/16/2021 11:00:00 AM
Aroclor 1248	ND	0.0119		mg/Kg-dry	1	3/16/2021 11:00:00 AM
Aroclor 1254	ND	0.0119		mg/Kg-dry	1	3/16/2021 11:00:00 AM
Aroclor 1260	ND	0.0119		mg/Kg-dry	1	3/16/2021 11:00:00 AM
Aroclor 1262	ND	0.0119		mg/Kg-dry	1	3/16/2021 11:00:00 AM
Aroclor 1268	ND	0.0119		mg/Kg-dry	1	3/16/2021 11:00:00 AM
Total PCBs	ND	0.0119		mg/Kg-dry	1	3/16/2021 11:00:00 AM
Surr: Decachlorobiphenyl	85.9	9.23 - 163		%Rec	1	3/16/2021 11:00:00 AM
Surr: Tetrachloro-m-xylene	127	12 - 153		%Rec	1	3/16/2021 11:00:00 AM
Total Metals by EPA Method 6020B				Batch ID: 31629		Analyst: EH
Arsenic	5.66	0.119		mg/Kg-dry	1	3/12/2021 5:49:19 PM
Lead	871	9.94	D	mg/Kg-dry	50	3/15/2021 6:24:20 PM
Sample Moisture (Percent Moisture)				Batch ID: R65882		Analyst: OK
Percent Moisture	22.0	0.500		wt%	1	3/16/2021 9:22:17 AM

Analytical Report

Work Order: **2103028**
Date Reported: **3/17/2021**

Client: Shannon & Wilson
Collection Date: 3/1/2021 11:02:00 AM
Project: 8801
Lab ID: 2103028-005
Matrix: Soil
Client Sample ID: A5-4:8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31554		Analyst: SB
Aroclor 1016	ND	0.0121		mg/Kg-dry	1	3/4/2021 9:36:48 PM
Aroclor 1221	ND	0.0121		mg/Kg-dry	1	3/4/2021 9:36:48 PM
Aroclor 1232	ND	0.0121		mg/Kg-dry	1	3/4/2021 9:36:48 PM
Aroclor 1242	ND	0.0121		mg/Kg-dry	1	3/4/2021 9:36:48 PM
Aroclor 1248	ND	0.0121		mg/Kg-dry	1	3/4/2021 9:36:48 PM
Aroclor 1254	ND	0.0121		mg/Kg-dry	1	3/4/2021 9:36:48 PM
Aroclor 1260	ND	0.0121		mg/Kg-dry	1	3/4/2021 9:36:48 PM
Aroclor 1262	ND	0.0121		mg/Kg-dry	1	3/4/2021 9:36:48 PM
Aroclor 1268	ND	0.0121		mg/Kg-dry	1	3/4/2021 9:36:48 PM
Total PCBs	ND	0.0121		mg/Kg-dry	1	3/4/2021 9:36:48 PM
Surr: Decachlorobiphenyl	111	9.23 - 163		%Rec	1	3/4/2021 9:36:48 PM
Surr: Tetrachloro-m-xylene	100	12 - 153		%Rec	1	3/4/2021 9:36:48 PM
Total Metals by EPA Method 6020B				Batch ID: 31537		Analyst: EH
Arsenic	1.73	0.111	B	mg/Kg-dry	1	3/4/2021 12:46:00 AM
Lead	1.71	0.185		mg/Kg-dry	1	3/4/2021 12:46:00 AM
Sample Moisture (Percent Moisture)				Batch ID: R65611		Analyst: OK
Percent Moisture	23.8	0.500		wt%	1	3/3/2021 11:52:57 AM

NOTES:
B - Indicates a detection in the ICB or CCB.

Analytical Report

Work Order: **2103028**
Date Reported: **3/17/2021**

Client: Shannon & Wilson
Collection Date: 3/1/2021 11:20:00 AM
Project: 8801
Lab ID: 2103028-007
Matrix: Soil
Client Sample ID: A5-5:11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31645		Analyst: SB
Aroclor 1016	ND	0.0140		mg/Kg-dry	1	3/16/2021 11:09:44 AM
Aroclor 1221	ND	0.0140		mg/Kg-dry	1	3/16/2021 11:09:44 AM
Aroclor 1232	ND	0.0140		mg/Kg-dry	1	3/16/2021 11:09:44 AM
Aroclor 1242	ND	0.0140		mg/Kg-dry	1	3/16/2021 11:09:44 AM
Aroclor 1248	ND	0.0140		mg/Kg-dry	1	3/16/2021 11:09:44 AM
Aroclor 1254	0.271	0.0140		mg/Kg-dry	1	3/16/2021 11:09:44 AM
Aroclor 1260	ND	0.0140		mg/Kg-dry	1	3/16/2021 11:09:44 AM
Aroclor 1262	ND	0.0140		mg/Kg-dry	1	3/16/2021 11:09:44 AM
Aroclor 1268	ND	0.0140		mg/Kg-dry	1	3/16/2021 11:09:44 AM
Total PCBs	0.271	0.0140		mg/Kg-dry	1	3/16/2021 11:09:44 AM
Surr: Decachlorobiphenyl	78.0	9.23 - 163		%Rec	1	3/16/2021 11:09:44 AM
Surr: Tetrachloro-m-xylene	105	12 - 153		%Rec	1	3/16/2021 11:09:44 AM
Total Metals by EPA Method 6020B				Batch ID: 31629		Analyst: EH
Arsenic	2.89	0.131		mg/Kg-dry	1	3/12/2021 5:54:53 PM
Lead	49.5	0.219		mg/Kg-dry	1	3/12/2021 5:54:53 PM
Sample Moisture (Percent Moisture)				Batch ID: R65882		Analyst: OK
Percent Moisture	28.5	0.500		wt%	1	3/16/2021 9:22:17 AM

Analytical Report

Work Order: **2103028**
Date Reported: **3/17/2021**

Client: Shannon & Wilson
Collection Date: 3/1/2021 11:23:00 AM
Project: 8801
Lab ID: 2103028-008
Matrix: Soil
Client Sample ID: A5-5:12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31554		Analyst: SB
Aroclor 1016	ND	0.0114		mg/Kg-dry	1	3/4/2021 9:46:30 PM
Aroclor 1221	ND	0.0114		mg/Kg-dry	1	3/4/2021 9:46:30 PM
Aroclor 1232	ND	0.0114		mg/Kg-dry	1	3/4/2021 9:46:30 PM
Aroclor 1242	ND	0.0114		mg/Kg-dry	1	3/4/2021 9:46:30 PM
Aroclor 1248	ND	0.0114		mg/Kg-dry	1	3/4/2021 9:46:30 PM
Aroclor 1254	ND	0.0114		mg/Kg-dry	1	3/4/2021 9:46:30 PM
Aroclor 1260	ND	0.0114		mg/Kg-dry	1	3/4/2021 9:46:30 PM
Aroclor 1262	ND	0.0114		mg/Kg-dry	1	3/4/2021 9:46:30 PM
Aroclor 1268	ND	0.0114		mg/Kg-dry	1	3/4/2021 9:46:30 PM
Total PCBs	ND	0.0114		mg/Kg-dry	1	3/4/2021 9:46:30 PM
Surr: Decachlorobiphenyl	112	9.23 - 163		%Rec	1	3/4/2021 9:46:30 PM
Surr: Tetrachloro-m-xylene	96.3	12 - 153		%Rec	1	3/4/2021 9:46:30 PM
Total Metals by EPA Method 6020B				Batch ID: 31537		Analyst: EH
Arsenic	3.65	0.128	B	mg/Kg-dry	1	3/4/2021 12:51:34 AM
Lead	3.33	0.213		mg/Kg-dry	1	3/4/2021 12:51:34 AM
Sample Moisture (Percent Moisture)				Batch ID: R65611		Analyst: OK
Percent Moisture	25.5	0.500		wt%	1	3/3/2021 11:52:57 AM

NOTES:
B - Indicates a detection in the ICB or CCB.

Analytical Report

Work Order: **2103028**
Date Reported: **3/17/2021**

Client: Shannon & Wilson
Collection Date: 3/1/2021 11:35:00 AM
Project: 8801
Lab ID: 2103028-010
Matrix: Soil
Client Sample ID: A5-105:12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31554		Analyst: SB
Aroclor 1016	ND	0.0126		mg/Kg-dry	1	3/4/2021 9:56:10 PM
Aroclor 1221	ND	0.0126		mg/Kg-dry	1	3/4/2021 9:56:10 PM
Aroclor 1232	ND	0.0126		mg/Kg-dry	1	3/4/2021 9:56:10 PM
Aroclor 1242	ND	0.0126		mg/Kg-dry	1	3/4/2021 9:56:10 PM
Aroclor 1248	ND	0.0126		mg/Kg-dry	1	3/4/2021 9:56:10 PM
Aroclor 1254	ND	0.0126		mg/Kg-dry	1	3/4/2021 9:56:10 PM
Aroclor 1260	ND	0.0126		mg/Kg-dry	1	3/4/2021 9:56:10 PM
Aroclor 1262	ND	0.0126		mg/Kg-dry	1	3/4/2021 9:56:10 PM
Aroclor 1268	ND	0.0126		mg/Kg-dry	1	3/4/2021 9:56:10 PM
Total PCBs	ND	0.0126		mg/Kg-dry	1	3/4/2021 9:56:10 PM
Surr: Decachlorobiphenyl	123	9.23 - 163		%Rec	1	3/4/2021 9:56:10 PM
Surr: Tetrachloro-m-xylene	112	12 - 153		%Rec	1	3/4/2021 9:56:10 PM
Total Metals by EPA Method 6020B				Batch ID: 31552		Analyst: EH
Arsenic	4.28	0.135		mg/Kg-dry	1	3/5/2021 11:15:36 PM
Lead	7.00	0.225		mg/Kg-dry	1	3/5/2021 11:15:36 PM
Sample Moisture (Percent Moisture)				Batch ID: R65611		Analyst: OK
Percent Moisture	29.0	0.500		wt%	1	3/3/2021 11:52:57 AM

Analytical Report

Work Order: **2103028**
Date Reported: **3/17/2021**

Client: Shannon & Wilson
Collection Date: 3/1/2021 11:53:00 AM
Project: 8801
Lab ID: 2103028-012
Matrix: Soil
Client Sample ID: A5-3:10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31554		Analyst: SB
Aroclor 1016	ND	0.0123		mg/Kg-dry	1	3/4/2021 10:05:53 PM
Aroclor 1221	ND	0.0123		mg/Kg-dry	1	3/4/2021 10:05:53 PM
Aroclor 1232	ND	0.0123		mg/Kg-dry	1	3/4/2021 10:05:53 PM
Aroclor 1242	ND	0.0123		mg/Kg-dry	1	3/4/2021 10:05:53 PM
Aroclor 1248	ND	0.0123		mg/Kg-dry	1	3/4/2021 10:05:53 PM
Aroclor 1254	0.0859	0.0123		mg/Kg-dry	1	3/4/2021 10:05:53 PM
Aroclor 1260	ND	0.0123		mg/Kg-dry	1	3/4/2021 10:05:53 PM
Aroclor 1262	ND	0.0123		mg/Kg-dry	1	3/4/2021 10:05:53 PM
Aroclor 1268	ND	0.0123		mg/Kg-dry	1	3/4/2021 10:05:53 PM
Total PCBs	0.0859	0.0123		mg/Kg-dry	1	3/4/2021 10:05:53 PM
Surr: Decachlorobiphenyl	61.6	9.23 - 163		%Rec	1	3/4/2021 10:05:53 PM
Surr: Tetrachloro-m-xylene	3.99	12 - 153	S	%Rec	1	3/4/2021 10:05:53 PM
Total Metals by EPA Method 6020B				Batch ID: 31552		Analyst: EH
Arsenic	14.3	0.132		mg/Kg-dry	1	3/5/2021 11:54:32 PM
Lead	827	0.221	E	mg/Kg-dry	1	3/9/2021 1:38:51 PM
Sample Moisture (Percent Moisture)				Batch ID: R65611		Analyst: OK
Percent Moisture	28.0	0.500		wt%	1	3/3/2021 11:52:57 AM

NOTES:
E - Estimated value. The amount exceeds the linear working range of the instrument.

Analytical Report

Work Order: **2103028**
Date Reported: **3/17/2021**

Client: Shannon & Wilson
Collection Date: 3/1/2021 11:56:00 AM
Project: 8801
Lab ID: 2103028-013
Matrix: Soil
Client Sample ID: A5-3:11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31645		Analyst: SB
Aroclor 1016	ND	0.00933		mg/Kg-dry	1	3/16/2021 11:19:26 AM
Aroclor 1221	ND	0.00933		mg/Kg-dry	1	3/16/2021 11:19:26 AM
Aroclor 1232	ND	0.00933		mg/Kg-dry	1	3/16/2021 11:19:26 AM
Aroclor 1242	ND	0.00933		mg/Kg-dry	1	3/16/2021 11:19:26 AM
Aroclor 1248	ND	0.00933		mg/Kg-dry	1	3/16/2021 11:19:26 AM
Aroclor 1254	ND	0.00933		mg/Kg-dry	1	3/16/2021 11:19:26 AM
Aroclor 1260	ND	0.00933		mg/Kg-dry	1	3/16/2021 11:19:26 AM
Aroclor 1262	ND	0.00933		mg/Kg-dry	1	3/16/2021 11:19:26 AM
Aroclor 1268	ND	0.00933		mg/Kg-dry	1	3/16/2021 11:19:26 AM
Total PCBs	ND	0.00933		mg/Kg-dry	1	3/16/2021 11:19:26 AM
Surr: Decachlorobiphenyl	74.6	9.23 - 163		%Rec	1	3/16/2021 11:19:26 AM
Surr: Tetrachloro-m-xylene	93.4	12 - 153		%Rec	1	3/16/2021 11:19:26 AM
Total Metals by EPA Method 6020B				Batch ID: 31629		Analyst: EH
Arsenic	0.612	0.108		mg/Kg-dry	1	3/12/2021 6:00:27 PM
Lead	8.92	0.180		mg/Kg-dry	1	3/12/2021 6:00:27 PM
Sample Moisture (Percent Moisture)				Batch ID: R65882		Analyst: OK
Percent Moisture	9.70	0.500		wt%	1	3/16/2021 9:22:17 AM

Analytical Report

Work Order: **2103028**
Date Reported: **3/17/2021**

Client: Shannon & Wilson
Collection Date: 3/1/2021 12:15:00 PM
Project: 8801
Lab ID: 2103028-014
Matrix: Soil
Client Sample ID: A5-7:11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31645		Analyst: SB
Aroclor 1016	ND	0.0116		mg/Kg-dry	1	3/16/2021 11:29:10 AM
Aroclor 1221	ND	0.0116		mg/Kg-dry	1	3/16/2021 11:29:10 AM
Aroclor 1232	ND	0.0116		mg/Kg-dry	1	3/16/2021 11:29:10 AM
Aroclor 1242	ND	0.0116		mg/Kg-dry	1	3/16/2021 11:29:10 AM
Aroclor 1248	ND	0.0116		mg/Kg-dry	1	3/16/2021 11:29:10 AM
Aroclor 1254	0.197	0.0116		mg/Kg-dry	1	3/16/2021 11:29:10 AM
Aroclor 1260	ND	0.0116		mg/Kg-dry	1	3/16/2021 11:29:10 AM
Aroclor 1262	ND	0.0116		mg/Kg-dry	1	3/16/2021 11:29:10 AM
Aroclor 1268	ND	0.0116		mg/Kg-dry	1	3/16/2021 11:29:10 AM
Total PCBs	0.197	0.0116		mg/Kg-dry	1	3/16/2021 11:29:10 AM
Surr: Decachlorobiphenyl	60.7	9.23 - 163		%Rec	1	3/16/2021 11:29:10 AM
Surr: Tetrachloro-m-xylene	89.1	12 - 153		%Rec	1	3/16/2021 11:29:10 AM
Total Metals by EPA Method 6020B				Batch ID: 31629		Analyst: EH
Arsenic	2.92	0.128		mg/Kg-dry	1	3/12/2021 6:06:01 PM
Lead	181	4.26	D	mg/Kg-dry	20	3/15/2021 6:29:55 PM
Sample Moisture (Percent Moisture)				Batch ID: R65882		Analyst: OK
Percent Moisture	24.8	0.500		wt%	1	3/16/2021 9:22:17 AM

Analytical Report

Work Order: **2103028**
Date Reported: **3/17/2021**

Client: Shannon & Wilson
Collection Date: 3/1/2021 12:20:00 PM
Project: 8801
Lab ID: 2103028-015
Matrix: Soil
Client Sample ID: A5-7:12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31554		Analyst: SB
Aroclor 1016	ND	0.0122		mg/Kg-dry	1	3/4/2021 10:15:38 PM
Aroclor 1221	ND	0.0122		mg/Kg-dry	1	3/4/2021 10:15:38 PM
Aroclor 1232	ND	0.0122		mg/Kg-dry	1	3/4/2021 10:15:38 PM
Aroclor 1242	ND	0.0122		mg/Kg-dry	1	3/4/2021 10:15:38 PM
Aroclor 1248	ND	0.0122		mg/Kg-dry	1	3/4/2021 10:15:38 PM
Aroclor 1254	ND	0.0122		mg/Kg-dry	1	3/4/2021 10:15:38 PM
Aroclor 1260	ND	0.0122		mg/Kg-dry	1	3/4/2021 10:15:38 PM
Aroclor 1262	ND	0.0122		mg/Kg-dry	1	3/4/2021 10:15:38 PM
Aroclor 1268	ND	0.0122		mg/Kg-dry	1	3/4/2021 10:15:38 PM
Total PCBs	ND	0.0122		mg/Kg-dry	1	3/4/2021 10:15:38 PM
Surr: Decachlorobiphenyl	95.0	9.23 - 163		%Rec	1	3/4/2021 10:15:38 PM
Surr: Tetrachloro-m-xylene	102	12 - 153		%Rec	1	3/4/2021 10:15:38 PM
Total Metals by EPA Method 6020B				Batch ID: 31552		Analyst: EH
Arsenic	7.94	0.136		mg/Kg-dry	1	3/6/2021 12:00:05 AM
Lead	13.8	0.226		mg/Kg-dry	1	3/6/2021 12:00:05 AM
Sample Moisture (Percent Moisture)				Batch ID: R65611		Analyst: OK
Percent Moisture	28.7	0.500		wt%	1	3/3/2021 11:52:57 AM

Analytical Report

Work Order: **2103028**
Date Reported: **3/17/2021**

Client: Shannon & Wilson
Collection Date: 3/1/2021 1:00:00 PM
Project: 8801
Lab ID: 2103028-017
Matrix: Soil
Client Sample ID: A5-8:11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31645		Analyst: SB
Aroclor 1016	ND	0.0110		mg/Kg-dry	1	3/16/2021 11:38:52 AM
Aroclor 1221	ND	0.0110		mg/Kg-dry	1	3/16/2021 11:38:52 AM
Aroclor 1232	ND	0.0110		mg/Kg-dry	1	3/16/2021 11:38:52 AM
Aroclor 1242	ND	0.0110		mg/Kg-dry	1	3/16/2021 11:38:52 AM
Aroclor 1248	ND	0.0110		mg/Kg-dry	1	3/16/2021 11:38:52 AM
Aroclor 1254	0.0657	0.0110		mg/Kg-dry	1	3/16/2021 11:38:52 AM
Aroclor 1260	ND	0.0110		mg/Kg-dry	1	3/16/2021 11:38:52 AM
Aroclor 1262	ND	0.0110		mg/Kg-dry	1	3/16/2021 11:38:52 AM
Aroclor 1268	ND	0.0110		mg/Kg-dry	1	3/16/2021 11:38:52 AM
Total PCBs	0.0657	0.0110		mg/Kg-dry	1	3/16/2021 11:38:52 AM
Surr: Decachlorobiphenyl	69.4	9.23 - 163		%Rec	1	3/16/2021 11:38:52 AM
Surr: Tetrachloro-m-xylene	104	12 - 153		%Rec	1	3/16/2021 11:38:52 AM
Total Metals by EPA Method 6020B				Batch ID: 31629		Analyst: EH
Arsenic	2.49	0.127		mg/Kg-dry	1	3/12/2021 6:11:35 PM
Lead	198	2.12	D	mg/Kg-dry	10	3/15/2021 6:35:30 PM
Sample Moisture (Percent Moisture)				Batch ID: R65882		Analyst: OK
Percent Moisture	23.8	0.500		wt%	1	3/16/2021 9:22:17 AM

Analytical Report

Work Order: **2103028**
Date Reported: **3/17/2021**

Client: Shannon & Wilson
Collection Date: 3/1/2021 1:03:00 PM
Project: 8801
Lab ID: 2103028-018
Matrix: Soil
Client Sample ID: A5-8:12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31554		Analyst: SB
Aroclor 1016	ND	0.0126		mg/Kg-dry	1	3/4/2021 10:25:22 PM
Aroclor 1221	ND	0.0126		mg/Kg-dry	1	3/4/2021 10:25:22 PM
Aroclor 1232	ND	0.0126		mg/Kg-dry	1	3/4/2021 10:25:22 PM
Aroclor 1242	ND	0.0126		mg/Kg-dry	1	3/4/2021 10:25:22 PM
Aroclor 1248	ND	0.0126		mg/Kg-dry	1	3/4/2021 10:25:22 PM
Aroclor 1254	ND	0.0126		mg/Kg-dry	1	3/4/2021 10:25:22 PM
Aroclor 1260	ND	0.0126		mg/Kg-dry	1	3/4/2021 10:25:22 PM
Aroclor 1262	ND	0.0126		mg/Kg-dry	1	3/4/2021 10:25:22 PM
Aroclor 1268	ND	0.0126		mg/Kg-dry	1	3/4/2021 10:25:22 PM
Total PCBs	ND	0.0126		mg/Kg-dry	1	3/4/2021 10:25:22 PM
Surr: Decachlorobiphenyl	93.2	9.23 - 163		%Rec	1	3/4/2021 10:25:22 PM
Surr: Tetrachloro-m-xylene	91.0	12 - 153		%Rec	1	3/4/2021 10:25:22 PM
Total Metals by EPA Method 6020B				Batch ID: 31552		Analyst: EH
Arsenic	5.41	0.132		mg/Kg-dry	1	3/6/2021 12:05:39 AM
Lead	11.0	0.220		mg/Kg-dry	1	3/6/2021 12:05:39 AM
Sample Moisture (Percent Moisture)				Batch ID: R65611		Analyst: OK
Percent Moisture	29.6	0.500		wt%	1	3/3/2021 11:52:57 AM

Analytical Report

Work Order: **2103028**
Date Reported: **3/17/2021**

Client: Shannon & Wilson
Collection Date: 3/1/2021 1:20:00 PM
Project: 8801
Lab ID: 2103028-020
Matrix: Soil
Client Sample ID: A5-1:11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31645		Analyst: SB
Aroclor 1016	ND	0.0122		mg/Kg-dry	1	3/16/2021 11:48:33 AM
Aroclor 1221	ND	0.0122		mg/Kg-dry	1	3/16/2021 11:48:33 AM
Aroclor 1232	ND	0.0122		mg/Kg-dry	1	3/16/2021 11:48:33 AM
Aroclor 1242	ND	0.0122		mg/Kg-dry	1	3/16/2021 11:48:33 AM
Aroclor 1248	ND	0.0122		mg/Kg-dry	1	3/16/2021 11:48:33 AM
Aroclor 1254	ND	0.0122		mg/Kg-dry	1	3/16/2021 11:48:33 AM
Aroclor 1260	ND	0.0122		mg/Kg-dry	1	3/16/2021 11:48:33 AM
Aroclor 1262	ND	0.0122		mg/Kg-dry	1	3/16/2021 11:48:33 AM
Aroclor 1268	ND	0.0122		mg/Kg-dry	1	3/16/2021 11:48:33 AM
Total PCBs	ND	0.0122		mg/Kg-dry	1	3/16/2021 11:48:33 AM
Surr: Decachlorobiphenyl	52.7	9.23 - 163		%Rec	1	3/16/2021 11:48:33 AM
Surr: Tetrachloro-m-xylene	77.6	12 - 153		%Rec	1	3/16/2021 11:48:33 AM
Total Metals by EPA Method 6020B				Batch ID: 31629		Analyst: EH
Arsenic	3.69	0.130		mg/Kg-dry	1	3/12/2021 6:17:09 PM
Lead	1.81	0.216		mg/Kg-dry	1	3/12/2021 6:17:09 PM
Sample Moisture (Percent Moisture)				Batch ID: R65882		Analyst: OK
Percent Moisture	24.9	0.500		wt%	1	3/16/2021 9:22:17 AM

Analytical Report

Work Order: **2103028**
Date Reported: **3/17/2021**

Client: Shannon & Wilson
Collection Date: 3/1/2021 1:23:00 PM
Project: 8801
Lab ID: 2103028-021
Matrix: Soil
Client Sample ID: A5-1:12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 31554		Analyst: SB
Aroclor 1016	ND	0.0118		mg/Kg-dry	1	3/4/2021 10:35:06 PM
Aroclor 1221	ND	0.0118		mg/Kg-dry	1	3/4/2021 10:35:06 PM
Aroclor 1232	ND	0.0118		mg/Kg-dry	1	3/4/2021 10:35:06 PM
Aroclor 1242	ND	0.0118		mg/Kg-dry	1	3/4/2021 10:35:06 PM
Aroclor 1248	ND	0.0118		mg/Kg-dry	1	3/4/2021 10:35:06 PM
Aroclor 1254	ND	0.0118		mg/Kg-dry	1	3/4/2021 10:35:06 PM
Aroclor 1260	ND	0.0118		mg/Kg-dry	1	3/4/2021 10:35:06 PM
Aroclor 1262	ND	0.0118		mg/Kg-dry	1	3/4/2021 10:35:06 PM
Aroclor 1268	ND	0.0118		mg/Kg-dry	1	3/4/2021 10:35:06 PM
Total PCBs	ND	0.0118		mg/Kg-dry	1	3/4/2021 10:35:06 PM
Surr: Decachlorobiphenyl	85.8	9.23 - 163		%Rec	1	3/4/2021 10:35:06 PM
Surr: Tetrachloro-m-xylene	92.6	12 - 153		%Rec	1	3/4/2021 10:35:06 PM
Total Metals by EPA Method 6020B				Batch ID: 31552		Analyst: EH
Arsenic	2.38	0.130		mg/Kg-dry	1	3/9/2021 1:44:25 PM
Lead	1.22	0.216		mg/Kg-dry	1	3/6/2021 12:11:12 AM
Sample Moisture (Percent Moisture)				Batch ID: R65611		Analyst: OK
Percent Moisture	21.7	0.500		wt%	1	3/3/2021 11:52:57 AM

Work Order: 2103028
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **MB-31537** SampType: **MBLK** Units: **mg/Kg** Prep Date: **3/2/2021** RunNo: **65656**
Client ID: **MBLKS** Batch ID: **31537** Analysis Date: **3/3/2021** SeqNo: **1320814**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.371	0.0909									
Lead	ND	0.152									

Sample ID: **2103036-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **3/2/2021** RunNo: **65656**
Client ID: **BATCH** Batch ID: **31537** Analysis Date: **3/3/2021** SeqNo: **1320818**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	34.1	0.103	43.01	5.699	65.9	75	125				S
Lead	19.3	0.172	21.51	5.941	61.9	75	125				S

NOTES:
S - Spike recovery indicates a possible matrix effect. The method is in control as indicated by the Laboratory Control Sample (LCS) and post-digestion spike (PDS).

Sample ID: **2103036-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **3/2/2021** RunNo: **65656**
Client ID: **BATCH** Batch ID: **31537** Analysis Date: **3/3/2021** SeqNo: **1320819**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	38.2	0.105	43.62	5.699	74.5	75	125	34.06	11.5	20	S
Lead	20.7	0.174	21.81	5.941	67.7	75	125	19.25	7.27	20	S

NOTES:
S - Spike recovery indicates a possible matrix effect. The method is in control as indicated by the Laboratory Control Sample (LCS) and post-digestion spike (PDS).

Sample ID: **LCS-31537** SampType: **LCS** Units: **mg/Kg** Prep Date: **3/2/2021** RunNo: **65656**
Client ID: **LCSS** Batch ID: **31537** Analysis Date: **3/5/2021** SeqNo: **1321778**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	33.7	0.0952	39.68	0	84.8	80	120				
Lead	16.4	0.159	19.84	0	82.6	80	120				

Work Order: 2103028
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **MB-31552** SampType: **MBLK** Units: **mg/Kg** Prep Date: **3/4/2021** RunNo: **65715**
Client ID: **MBLKS** Batch ID: **31552** Analysis Date: **3/5/2021** SeqNo: **1322040**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.120									
Lead	ND	0.200									

Sample ID: **LCS-31552** SampType: **LCS** Units: **mg/Kg** Prep Date: **3/4/2021** RunNo: **65715**
Client ID: **LCSS** Batch ID: **31552** Analysis Date: **3/5/2021** SeqNo: **1322041**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	43.7	0.120	50.00	0	87.5	80	120				
Lead	25.6	0.200	25.00	0	102	80	120				

Sample ID: **2103028-010AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **3/4/2021** RunNo: **65715**
Client ID: **A5-105:12** Batch ID: **31552** Analysis Date: **3/5/2021** SeqNo: **1322045**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	42.0	0.133	55.48	4.278	68.0	75	125				S
Lead	25.9	0.222	27.74	6.997	68.0	75	125				S

NOTES:
S - Outlying spike recovery(ies) observed. A duplicate analysis was performed and recovered within range.

Sample ID: **2103028-010AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **3/4/2021** RunNo: **65715**
Client ID: **A5-105:12** Batch ID: **31552** Analysis Date: **3/5/2021** SeqNo: **1322046**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	53.4	0.135	56.37	4.278	87.2	75	125	42.01	23.9	20	R
Lead	33.1	0.225	28.19	6.997	92.7	75	125	25.86	24.6	20	R

NOTES:
R - High RPD observed due to Matrix Spike recoveries. The method is in control as indicated by the LCS.

Work Order: 2103028
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **MB-31629** SampType: **MBLK** Units: **mg/Kg** Prep Date: **3/12/2021** RunNo: **65845**
Client ID: **MBLKS** Batch ID: **31629** Analysis Date: **3/12/2021** SeqNo: **1324864**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0968									
Lead	ND	0.161									

Sample ID: **2103167-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **3/12/2021** RunNo: **65845**
Client ID: **BATCH** Batch ID: **31629** Analysis Date: **3/12/2021** SeqNo: **1324868**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	38.7	0.111	46.08	3.610	76.1	75	125				
Lead	27.2	0.184	23.04	12.58	63.4	75	125				S

NOTES:
S - Outlying spike recovery(ies) observed for Pb. A duplicate analysis was performed and recovered within range.

Sample ID: **2103167-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **3/12/2021** RunNo: **65845**
Client ID: **BATCH** Batch ID: **31629** Analysis Date: **3/12/2021** SeqNo: **1324869**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	43.2	0.111	46.08	3.610	85.8	75	125	38.70	10.9	20	
Lead	31.0	0.184	23.04	12.58	79.9	75	125	27.19	13.1	20	

Sample ID: **LCS-31629** SampType: **LCS** Units: **mg/Kg** Prep Date: **3/12/2021** RunNo: **65845**
Client ID: **LCSS** Batch ID: **31629** Analysis Date: **3/12/2021** SeqNo: **1324879**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	39.0	0.0960	40.00	0	97.6	80	120				
Lead	20.5	0.160	20.00	0	103	80	120				

Work Order: 2103028
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **MB-31554**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **3/4/2021**	RunNo: **65657**
Client ID: **MBLKS**	Batch ID: **31554**		Analysis Date: **3/4/2021**	SeqNo: **1320856**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0100									
Aroclor 1221	ND	0.0100									
Aroclor 1232	ND	0.0100									
Aroclor 1242	ND	0.0100									
Aroclor 1248	ND	0.0100									
Aroclor 1254	ND	0.0100									
Aroclor 1260	ND	0.0100									
Aroclor 1262	ND	0.0100									
Aroclor 1268	ND	0.0100									
Total PCBs	ND	0.0100									
Surr: Decachlorobiphenyl	21.3		20.00		107	9.23	163				
Surr: Tetrachloro-m-xylene	19.1		20.00		95.3	12	153				

Sample ID: **LCS1-31554**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **3/4/2021**	RunNo: **65657**
Client ID: **LCSS**	Batch ID: **31554**		Analysis Date: **3/4/2021**	SeqNo: **1320857**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.105	0.0500	0.1000	0	105	55.7	140				
Aroclor 1260	0.118	0.0500	0.1000	0	118	58.6	145				
Surr: Decachlorobiphenyl	19.9		20.00		99.7	9.23	163				
Surr: Tetrachloro-m-xylene	17.5		20.00		87.4	12	153				

Sample ID: **LCS2-31554**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **3/4/2021**	RunNo: **65657**
Client ID: **LCSS**	Batch ID: **31554**		Analysis Date: **3/4/2021**	SeqNo: **1320858**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.0978	0.0500	0.1000	0	97.8	47.9	148				
Surr: Decachlorobiphenyl	21.6		20.00		108	9.23	163				
Surr: Tetrachloro-m-xylene	19.2		20.00		96.1	12	153				

Work Order: 2103028
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **LCS2-31554**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **3/4/2021**	RunNo: **65657**
Client ID: **LCSS**	Batch ID: **31554**		Analysis Date: **3/4/2021**	SeqNo: **1320858**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **2102417-002AMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **3/4/2021**	RunNo: **65657**
Client ID: **BATCH**	Batch ID: **31554**		Analysis Date: **3/4/2021**	SeqNo: **1320860**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.149	0.0637	0.1274	0	117	22.9	177				
Aroclor 1260	0.168	0.0637	0.1274	0	132	30.1	157				
Surr: Decachlorobiphenyl	29.0		25.48		114	9.23	163				
Surr: Tetrachloro-m-xylene	22.5		25.48		88.3	12	153				

Sample ID: **2102417-002AMSD**	SampType: **MSD**	Units: **mg/Kg-dry**	Prep Date: **3/4/2021**	RunNo: **65657**
Client ID: **BATCH**	Batch ID: **31554**		Analysis Date: **3/4/2021**	SeqNo: **1320861**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.132	0.0601	0.1203	0	110	22.9	177	0.1490	11.9	30	
Aroclor 1260	0.147	0.0601	0.1203	0	123	30.1	157	0.1677	12.9	30	
Surr: Decachlorobiphenyl	26.1		24.06		109	9.23	163		0		
Surr: Tetrachloro-m-xylene	17.4		24.06		72.1	12	153		0		

Sample ID: **MB-31645**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **3/15/2021**	RunNo: **65910**
Client ID: **MBLKS**	Batch ID: **31645**		Analysis Date: **3/16/2021**	SeqNo: **1326300**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0100									
Aroclor 1221	ND	0.0100									
Aroclor 1232	ND	0.0100									
Aroclor 1242	ND	0.0100									
Aroclor 1248	ND	0.0100									
Aroclor 1254	ND	0.0100									

Work Order: 2103028
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **MB-31645**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **3/15/2021**	RunNo: **65910**
Client ID: **MBLKS**	Batch ID: **31645**		Analysis Date: **3/16/2021**	SeqNo: **1326300**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1260	ND	0.0100									
Aroclor 1262	ND	0.0100									
Aroclor 1268	ND	0.0100									
Total PCBs	ND	0.0100									
Surr: Decachlorobiphenyl	245		200.0		123	9.23	163				
Surr: Tetrachloro-m-xylene	243		200.0		121	12	153				

Sample ID: **LCS1-31645**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **3/15/2021**	RunNo: **65910**
Client ID: **LCSS**	Batch ID: **31645**		Analysis Date: **3/16/2021**	SeqNo: **1326301**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.915	0.0500	1.000	0	91.5	55.7	140				
Aroclor 1260	1.04	0.0500	1.000	0	104	58.6	145				
Surr: Decachlorobiphenyl	247		200.0		123	9.23	163				
Surr: Tetrachloro-m-xylene	241		200.0		121	12	153				

Sample ID: **LCS2-31645**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **3/15/2021**	RunNo: **65910**
Client ID: **LCSS**	Batch ID: **31645**		Analysis Date: **3/16/2021**	SeqNo: **1326302**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.944	0.0500	1.000	0	94.4	47.9	148				
Surr: Decachlorobiphenyl	250		200.0		125	9.23	163				
Surr: Tetrachloro-m-xylene	252		200.0		126	12	153				

Sample ID: **2102417-010AMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **3/15/2021**	RunNo: **65910**
Client ID: **BATCH**	Batch ID: **31645**		Analysis Date: **3/16/2021**	SeqNo: **1326305**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.856	0.0573	1.146	0	74.7	22.9	177				

Work Order: 2103028
CLIENT: Shannon & Wilson
Project: 8801

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **2102417-010AMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **3/15/2021**	RunNo: **65910**
Client ID: **BATCH**	Batch ID: **31645**		Analysis Date: **3/16/2021**	SeqNo: **1326305**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1260	0.796	0.0573	1.146	0.04802	65.3	30.1	157				
Surr: Decachlorobiphenyl	167		229.1		73.0	9.23	163				
Surr: Tetrachloro-m-xylene	226		229.1		98.7	12	153				

Sample ID: **2102417-010AMSD**	SampType: **MSD**	Units: **mg/Kg-dry**	Prep Date: **3/15/2021**	RunNo: **65910**
Client ID: **BATCH**	Batch ID: **31645**		Analysis Date: **3/16/2021**	SeqNo: **1326306**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.00	0.0567	1.133	0	88.4	22.9	177	0.8558	15.7	30	
Aroclor 1260	0.909	0.0567	1.133	0.04802	76.0	30.1	157	0.7960	13.2	30	
Surr: Decachlorobiphenyl	195		226.7		86.0	9.23	163		0		
Surr: Tetrachloro-m-xylene	255		226.7		112	12	153		0		

Sample Log-In Check List

Client Name:	**SW**	Work Order Number:	**2103028**
Logged by:	**Gabrielle Coeuille**	Date Received:	**3/2/2021 8:42:00 AM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes	☑	No	☐	Not Present ☐
2.	How was the sample delivered?	Client				

Log In

3.	Coolers are present?	Yes	☑	No	☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes	☑	No	☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes	☑	No	☐	Not Present ☐
6.	Was an attempt made to cool the samples?	Yes	☑	No	☐	NA ☐
7.	Were all items received at a temperature of >2°C to 6°C *	Yes	☑	No	☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes	☑	No	☐	
9.	Sufficient sample volume for indicated test(s)?	Yes	☑	No	☐	
10.	Are samples properly preserved?	Yes	☑	No	☐	
11.	Was preservative added to bottles?	Yes	☐	No	☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes	☐	No	☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes	☑	No	☐	
14.	Does paperwork match bottle labels?	Yes	☑	No	☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes	☑	No	☐	
16.	Is it clear what analyses were requested?	Yes	☑	No	☐	
17.	Were all holding times able to be met?	Yes	☑	No	☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes	☐	No	☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	2.1

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 3/1/2021 | Page: 1 of: 3 | Laboratory Project No (internal): 2103028

Special Remarks: ⊗ = Hold

Project Name: 8801

Project No: 21-1-12567

Client: Shannon & Wilson, Inc.

Address: 400 N. 34th St., Suite 100

City, State, Zip: Seattle, WA 98103

Telephone: 206-632-8020

Fax: 206-695-6777

Collected by: CTC

Location: Tukwila, WA

Report To (PM): Meg Strong

PM Email: MJS@shanwil.com

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic + Lead				Comments
1 A5-2:8	3/1	1345	S	1						⊗					⊗					
2 A5-2:9	3/1	1348	S	1						X					X					
3 A5-2:10	3/1	1351	S	1						⊗					⊗					
4 A5-4:7	3/1	1057	S	1						⊗					⊗					
5 A5-4:8	3/1	1102	S	1						X					X					
6 A5-4:9	3/1	1105	S	1						⊗					⊗					
7 A5-5:11	3/1	1120	S	1						⊗					⊗					
8 A5-5:12	3/1	1123	S	1						X					X					
9 A5-5:13	3/1	1126	S	1						⊗					⊗					
10 ~~A5-105:12~~ A5-105:12	3/1	1135	S	1						X					X					

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Christian Canfield	3/1/2021 1640	x	Carter Johnson	3/2/21 @ 0842
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 3/1/2021 Page: 2 of: 3

Laboratory Project No (internal): 2103028

Project Name: 8801

Special Remarks: ⊗ = Hold

Client: Shannon & Wilson, Inc.

Project No: 21-1-12567

Address: 400 N. 34th St., Suite 100

Collected by: CTC

City, State, Zip: Seattle, WA 98103

Location: Tukwila, WA

Telephone: 206-632-8020

Report To (PM): Meg Strong

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax: 206-695-6777

PM Email: MJS@shanwil.com

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic + Lead			Comments
1	AS-3:9	3/1	1150	S	1							⊗					⊗				
2	AS-3:10	3/1	1153	S	1							X					X				
3	AS-3:11	3/1	1156	S	1							⊗					⊗				
4	AS-7:11	3/1	1215	S	1							⊗					⊗				
5	AS-7:12	3/1	1220	S	1							X					X				
6	AS-7:13	3/1	1225	S	1							⊗					⊗				
7	AS-8:11	3/1	1300	S	1							⊗					⊗				
8	AS-8:12	3/1	1303	S	1							X					X				
9	AS-8:13	3/1	1306	S	1							⊗					⊗				
10	AS-1:11	3/1	1320	S	1							⊗					⊗				

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Christian Canfield	3/1/2021 1640	x	Carter Johnson	3/2/21 @ 0842
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 3/1/2021 Page: 3 of: 3

Laboratory Project No (internal): 2103028

Project Name: 8801

Special Remarks: ⊗ = Hold

Project No: 21-1-12567

Client: Shannon & Wilson, Inc.

Collected by: CTC

Address: 400 N. 34th St., Suite 100

Location: Tukwila, WA

City, State, Zip: Seattle, WA 98103

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Telephone: 206-632-8020

Report To (PM): Meg Strong

Fax: 206-695-6777

PM Email: MJS@shanwil.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic + Lead	Comments
1 A5-1:12	3/1	1323	S	1							X				X		
2 A5-1:13	3/1	1326	S	1							⊗				⊗		
3 A5-2:C	3/1	1355	S	4	⊗					⊗	⊗	⊗					
4 A5-4:C	3/1	1110	S	4	⊗					⊗	⊗	⊗					
5 A5-5:C	3/1	1130	S	4	⊗					⊗	⊗	⊗					
6 A5-3:C	3/1	1200	S	4	⊗					⊗	⊗	⊗					
7 A5-7:C	3/1	1230	S	4	⊗					⊗	⊗	⊗					
8 A5-8:C	3/1	1310	S	4	⊗					⊗	⊗	⊗					
9 A5-1:C	3/1	1330	S	4	⊗					⊗	⊗	⊗					
10 Trip Blank	2/26	1022	W	1													Hold

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 (RCRA-8) Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr (Cu) Fe Hg K Mg Mn Mo Na (Ni) Pb Sb Se Sr Sn Ti Tl V (Zn)

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Christian Canfield	3/1/2021 1640	x	Austin Johnson	3/2/21 @0942
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 3/1/2021 | Page: 1 of: 3 | Laboratory Project No (internal): 2103028

Special Remarks:
⊗ = Hold

X = run 3/10 per MS by CRT

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Project Name: 8801
Project No: 21-1-12567
Collected by: CTC
Location: Tukwila, WA
Report To (PM): Meg Strong
PM Email: MJS@shanwil.com

Client: Shannon & Wilson, Inc.
Address: 400 N. 34th St., Suite 100
City, State, Zip: Seattle, WA 98103
Telephone: 206-632-8020
Fax: 206-695-6777

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic + Lead				Comments
1	A5-2:8	3/1	1345	S	1						⊗					⊗					
2	A5-2:9	3/1	1348	S	1						X					X					
3	A5-2:10	3/1	1351	S	1						⊗					⊗					
4	A5-4:7	3/1	1057	S	1						X					X					
5	A5-4:8	3/1	1102	S	1						X					X					
6	A5-4:9	3/1	1105	S	1						⊗					⊗					
7	A5-5:11	3/1	1120	S	1						X					X					
8	A5-5:12	3/1	1123	S	1						X					X					
9	A5-5:13	3/1	1126	S	1						⊗					⊗					
10	~~A5-2:12~~ A5-105:12	3/1	1135	S	1						X					X					

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Christian Canfield	3/1/2021 1640	x	Carter Johnson	3/2/21 @ 0842
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 3/1/2021 Page: 2 of: 3

Laboratory Project No (internal): 2103028

Project Name: 8801

Special Remarks: ⊗ = Hold

Client: Shannon & Wilson, Inc.

Project No: 21-1-12567

Address: 400 N. 34th St., Suite 100

Collected by: CTC

City, State, Zip: Seattle, WA 98103

Location: Tukwila, WA

Telephone: 206-632-8020

Report To (PM): Meg Strong

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax: 206-695-6777

PM Email: MJS@shanwil.com

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic + Lead			Comments
1	AS-3:9	3/1	1150	S	1							⊗					⊗				
2	AS-3:10	3/1	1153	S	1							X					X				
3	AS-3:11	3/1	1156	S	1							X					X				
4	AS-7:11	3/1	1215	S	1							X					X				
5	AS-7:12	3/1	1220	S	1							X					X				
6	AS-7:13	3/1	1225	S	1							⊗					⊗				
7	AS-8:11	3/1	1300	S	1							X					X				
8	AS-8:12	3/1	1303	S	1							X					X				
9	AS-8:13	3/1	1306	S	1							⊗					⊗				
10	AS-1:11	3/1	1320	S	1							X					X				

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day (specify)

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Christian Canfield	3/1/2021 1640	x	Carter Johnson	3/2/21 @ 0842
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 3/1/2021 Page: 3 of: 3

Laboratory Project No (internal): 2103028

Project Name: 8801

Special Remarks: ⊗ = Hold

Project No: 21-1-12567

Client: Shannon & Wilson, Inc.

Collected by: CTC

Address: 400 N. 34th St., Suite 100

Location: Tukwila, WA

City, State, Zip: Seattle, WA 98103

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Telephone: 206-632-8020

Report To (PM): Meg Strong

Fax: 206-695-6777

PM Email: MJS@shanwil.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic + Lead	Comments
1 A5-1:12	3/1	1323	S	1							X					X		
2 A5-1:13	3/1	1326	S	1							⊗					⊗		
3 A5-2:C	3/1	1355	S	4	⊗					⊗	⊗	⊗						
4 A5-4:C	3/1	1110	S	4	⊗					⊗	⊗	⊗						
5 A5-5:C	3/1	1130	S	4	⊗					⊗	⊗	⊗						
6 A5-3:C	3/1	1200	S	4	⊗					⊗	⊗	⊗						
7 A5-7:C	3/1	1230	S	4	⊗					⊗	⊗	⊗						
8 A5-8:C	3/1	1310	S	4	⊗					⊗	⊗	⊗						
9 A5-1:C	3/1	1330	S	4	⊗					⊗	⊗	⊗						
10 Trip Blank	2/26	1022	W	1														Hold

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 (RCRA-8) Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr (Cu) Fe Hg K Mg Mn Mo Na (Ni) Pb Sb Se Sr Sn Ti Tl V (Zn)

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Christian Canfield	3/1/2021 1640	x	Austin Johnson	3/2/21 @0942
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Shannon & Wilson
Ryan Peterson
400 N. 34th Street, Suite 100
Seattle, WA 98103

RE: 8801- Excavations
Work Order Number: 2109220

October 02, 2021

Attention Ryan Peterson:

Fremont Analytical, Inc. received 21 sample(s) on 9/15/2021 for the analyses presented in the following report.

Polychlorinated Biphenyls (PCB) by EPA 8082
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CLIENT: Shannon & Wilson
Project: 8801- Excavations
Work Order: 2109220

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109220-001	A4-SIDE4:2	09/15/2021 2:00 PM	09/15/2021 5:46 PM
2109220-002	A4-SIDE4:6	09/15/2021 2:02 PM	09/15/2021 5:46 PM
2109220-003	A4-SIDE3:2	09/15/2021 2:30 PM	09/15/2021 5:46 PM
2109220-004	A4-SIDE3:6	09/15/2021 2:32 PM	09/15/2021 5:46 PM
2109220-005	A4-SIDE2:2	09/15/2021 3:00 PM	09/15/2021 5:46 PM
2109220-006	A4-SIDE2:6	09/15/2021 3:04 PM	09/15/2021 5:46 PM
2109220-007	A4-SIDE5:2	09/15/2021 3:10 PM	09/15/2021 5:46 PM
2109220-008	A4-SIDE5:6	09/15/2021 3:15 PM	09/15/2021 5:46 PM
2109220-009	A4-SIDE6:2	09/15/2021 3:30 PM	09/15/2021 5:46 PM
2109220-010	A4-SIDE6:6	09/15/2021 3:32 PM	09/15/2021 5:46 PM
2109220-011	A4-SIDE7:2	09/15/2021 3:40 PM	09/15/2021 5:46 PM
2109220-012	A4-SIDE7:6	09/15/2021 3:42 PM	09/15/2021 5:46 PM
2109220-013	A4-SIDE8:2	09/15/2021 3:45 PM	09/15/2021 5:46 PM
2109220-014	A4-SIDE8:6	09/15/2021 3:47 PM	09/15/2021 5:46 PM
2109220-015	A4-SIDE9:2	09/15/2021 3:50 PM	09/15/2021 5:46 PM
2109220-016	A4-SIDE9:6	09/15/2021 3:52 PM	09/15/2021 5:46 PM
2109220-017	A4-SIDE10:2	09/15/2021 3:55 PM	09/15/2021 5:46 PM
2109220-018	A4-SIDE10:6	09/15/2021 3:57 PM	09/15/2021 5:46 PM
2109220-019	A4-SIDE1:2	09/15/2021 4:00 PM	09/15/2021 5:46 PM
2109220-020	A4-SIDE1:6	09/15/2021 4:05 PM	09/15/2021 5:46 PM
2109220-021	A4-SIDE100:2	09/15/2021 4:30 PM	09/15/2021 5:46 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Revision v1

Case Narrative

WO#: **2109220**
Date: **10/2/2021**

CLIENT: Shannon & Wilson
Project: 8801- Excavations

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109220-001-10) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109220-001-10) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109220-020A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109220-020A) required Florisil Cleanup Procedure (Using Method No 3620C).

10/2/2021: Revision 1 includes data 2B data package.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **2109220**
Date Reported: **10/2/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109220-001
Client Sample ID: A4-SIDE4:2

Collection Date: 9/15/2021 2:00:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33722			Analyst: SB
Aroclor 1016	ND	0.0561	0.00905		mg/Kg-dry	1	09/16/21 14:01:30
Aroclor 1221	ND	0.0561	0.00905		mg/Kg-dry	1	09/16/21 14:01:30
Aroclor 1232	ND	0.0561	0.00905		mg/Kg-dry	1	09/16/21 14:01:30
Aroclor 1242	ND	0.0561	0.00905		mg/Kg-dry	1	09/16/21 14:01:30
Aroclor 1248	ND	0.0561	0.0112		mg/Kg-dry	1	09/16/21 14:01:30
Aroclor 1254	0.404	0.0561	0.0112		mg/Kg-dry	1	09/16/21 14:01:30
Aroclor 1260	ND	0.0561	0.0112		mg/Kg-dry	1	09/16/21 14:01:30
Aroclor 1262	ND	0.0561	0.0112		mg/Kg-dry	1	09/16/21 14:01:30
Aroclor 1268	ND	0.0561	0.0112		mg/Kg-dry	1	09/16/21 14:01:30
Total PCBs	0.404	0.0561	0.0112		mg/Kg-dry	1	09/16/21 14:01:30
Surr: Decachlorobiphenyl	42.6	20.6 - 142			%Rec	1	09/16/21 14:01:30
Surr: Tetrachloro-m-xylene	42.7	22 - 157			%Rec	1	09/16/21 14:01:30
Total Metals by EPA Method 6020B				Batch ID: 33716			Analyst: EH
Copper	2,550	19.4	3.63	D	mg/Kg-dry	20	09/20/21 13:16:30
Sample Moisture (Percent Moisture)				Batch ID: R69951			Analyst: cb
Percent Moisture	16.2	0.500	0.100		wt%	1	09/16/21 10:05:13

Revision v1

Analytical Report

Work Order: **2109220**
Date Reported: **10/2/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109220-002
Client Sample ID: A4-SIDE4:6

Collection Date: 9/15/2021 2:02:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33722			Analyst: SB
Aroclor 1016	ND	0.0538	0.00868		mg/Kg-dry	1	09/16/21 14:11:15
Aroclor 1221	ND	0.0538	0.00868		mg/Kg-dry	1	09/16/21 14:11:15
Aroclor 1232	ND	0.0538	0.00868		mg/Kg-dry	1	09/16/21 14:11:15
Aroclor 1242	ND	0.0538	0.00868		mg/Kg-dry	1	09/16/21 14:11:15
Aroclor 1248	ND	0.0538	0.0107		mg/Kg-dry	1	09/16/21 14:11:15
Aroclor 1254	0.126	0.0538	0.0107		mg/Kg-dry	1	09/16/21 14:11:15
Aroclor 1260	ND	0.0538	0.0107		mg/Kg-dry	1	09/16/21 14:11:15
Aroclor 1262	ND	0.0538	0.0107		mg/Kg-dry	1	09/16/21 14:11:15
Aroclor 1268	ND	0.0538	0.0107		mg/Kg-dry	1	09/16/21 14:11:15
Total PCBs	0.126	0.0538	0.0107		mg/Kg-dry	1	09/16/21 14:11:15
Surr: Decachlorobiphenyl	38.6	20.6 - 142			%Rec	1	09/16/21 14:11:15
Surr: Tetrachloro-m-xylene	40.4	22 - 157			%Rec	1	09/16/21 14:11:15
Total Metals by EPA Method 6020B				Batch ID: 33716			Analyst: EH
Copper	795	17.6	3.29	D	mg/Kg-dry	20	09/20/21 13:22:04
Sample Moisture (Percent Moisture)				Batch ID: R69951			Analyst: cb
Percent Moisture	12.4	0.500	0.100		wt%	1	09/16/21 10:05:13

Analytical Report

Work Order: **2109220**
Date Reported: **10/2/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109220-003
Client Sample ID: A4-SIDE3:2

Collection Date: 9/15/2021 2:30:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33722			Analyst: SB
Aroclor 1016	ND	0.0561	0.00905		mg/Kg-dry	1	09/16/21 14:21:02
Aroclor 1221	ND	0.0561	0.00905		mg/Kg-dry	1	09/16/21 14:21:02
Aroclor 1232	ND	0.0561	0.00905		mg/Kg-dry	1	09/16/21 14:21:02
Aroclor 1242	ND	0.0561	0.00905		mg/Kg-dry	1	09/16/21 14:21:02
Aroclor 1248	ND	0.0561	0.0112		mg/Kg-dry	1	09/16/21 14:21:02
Aroclor 1254	0.0171	0.0561	0.0112	J	mg/Kg-dry	1	09/16/21 14:21:02
Aroclor 1260	ND	0.0561	0.0112		mg/Kg-dry	1	09/16/21 14:21:02
Aroclor 1262	ND	0.0561	0.0112		mg/Kg-dry	1	09/16/21 14:21:02
Aroclor 1268	ND	0.0561	0.0112		mg/Kg-dry	1	09/16/21 14:21:02
Total PCBs	0.0171	0.0561	0.0112	J	mg/Kg-dry	1	09/16/21 14:21:02
Surr: Decachlorobiphenyl	51.9	20.6 - 142			%Rec	1	09/16/21 14:21:02
Surr: Tetrachloro-m-xylene	43.8	22 - 157			%Rec	1	09/16/21 14:21:02
Total Metals by EPA Method 6020B				Batch ID: 33716			Analyst: EH
Copper	250	0.955	0.179	E	mg/Kg-dry	1	09/16/21 18:39:24
Sample Moisture (Percent Moisture)				Batch ID: R69951			Analyst: cb
Percent Moisture	14.9	0.500	0.100		wt%	1	09/16/21 10:05:13

Analytical Report

Work Order: **2109220**
Date Reported: **10/2/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109220-004
Client Sample ID: **A4-SIDE3:6**

Collection Date: 9/15/2021 2:32:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33722			Analyst: SB
Aroclor 1016	ND	0.0558	0.00899		mg/Kg-dry	1	09/16/21 14:30:47
Aroclor 1221	ND	0.0558	0.00899		mg/Kg-dry	1	09/16/21 14:30:47
Aroclor 1232	ND	0.0558	0.00899		mg/Kg-dry	1	09/16/21 14:30:47
Aroclor 1242	ND	0.0558	0.00899		mg/Kg-dry	1	09/16/21 14:30:47
Aroclor 1248	ND	0.0558	0.0111		mg/Kg-dry	1	09/16/21 14:30:47
Aroclor 1254	0.289	0.0558	0.0111		mg/Kg-dry	1	09/16/21 14:30:47
Aroclor 1260	ND	0.0558	0.0111		mg/Kg-dry	1	09/16/21 14:30:47
Aroclor 1262	ND	0.0558	0.0111		mg/Kg-dry	1	09/16/21 14:30:47
Aroclor 1268	ND	0.0558	0.0111		mg/Kg-dry	1	09/16/21 14:30:47
Total PCBs	0.289	0.0558	0.0111		mg/Kg-dry	1	09/16/21 14:30:47
Surr: Decachlorobiphenyl	49.9	20.6 - 142			%Rec	1	09/16/21 14:30:47
Surr: Tetrachloro-m-xylene	48.4	22 - 157			%Rec	1	09/16/21 14:30:47
Total Metals by EPA Method 6020B				Batch ID: 33716			Analyst: EH
Copper	918	17.1	3.21	D	mg/Kg-dry	20	09/20/21 13:33:12
Sample Moisture (Percent Moisture)				Batch ID: R69951			Analyst: cb
Percent Moisture	12.2	0.500	0.100		wt%	1	09/16/21 10:05:13

Analytical Report

Work Order: **2109220**
Date Reported: **10/2/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109220-005
Client Sample ID: A4-SIDE2:2

Collection Date: 9/15/2021 3:00:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33722			Analyst: SB
Aroclor 1016	ND	0.0546	0.00880		mg/Kg-dry	1	09/16/21 14:40:33
Aroclor 1221	ND	0.0546	0.00880		mg/Kg-dry	1	09/16/21 14:40:33
Aroclor 1232	ND	0.0546	0.00880		mg/Kg-dry	1	09/16/21 14:40:33
Aroclor 1242	ND	0.0546	0.00880		mg/Kg-dry	1	09/16/21 14:40:33
Aroclor 1248	ND	0.0546	0.0109		mg/Kg-dry	1	09/16/21 14:40:33
Aroclor 1254	ND	0.0546	0.0109		mg/Kg-dry	1	09/16/21 14:40:33
Aroclor 1260	ND	0.0546	0.0109		mg/Kg-dry	1	09/16/21 14:40:33
Aroclor 1262	ND	0.0546	0.0109		mg/Kg-dry	1	09/16/21 14:40:33
Aroclor 1268	ND	0.0546	0.0109		mg/Kg-dry	1	09/16/21 14:40:33
Total PCBs	ND	0.0546	0.0109		mg/Kg-dry	1	09/16/21 14:40:33
Surr: Decachlorobiphenyl	45.7	20.6 - 142			%Rec	1	09/16/21 14:40:33
Surr: Tetrachloro-m-xylene	56.1	22 - 157			%Rec	1	09/16/21 14:40:33
Total Metals by EPA Method 6020B				Batch ID: 33716			Analyst: EH
Copper	46.1	0.904	0.169		mg/Kg-dry	1	09/16/21 19:01:42
Sample Moisture (Percent Moisture)				Batch ID: R69951			Analyst: cb
Percent Moisture	9.30	0.500	0.100		wt%	1	09/16/21 10:05:13

Analytical Report

Work Order: **2109220**
Date Reported: **10/2/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109220-006
Client Sample ID: **A4-SIDE2:6**

Collection Date: 9/15/2021 3:04:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33722			Analyst: SB
Aroclor 1016	ND	0.0544	0.00876		mg/Kg-dry	1	09/16/21 14:50:20
Aroclor 1221	ND	0.0544	0.00876		mg/Kg-dry	1	09/16/21 14:50:20
Aroclor 1232	ND	0.0544	0.00876		mg/Kg-dry	1	09/16/21 14:50:20
Aroclor 1242	ND	0.0544	0.00876		mg/Kg-dry	1	09/16/21 14:50:20
Aroclor 1248	ND	0.0544	0.0108		mg/Kg-dry	1	09/16/21 14:50:20
Aroclor 1254	0.160	0.0544	0.0108		mg/Kg-dry	1	09/16/21 14:50:20
Aroclor 1260	ND	0.0544	0.0108		mg/Kg-dry	1	09/16/21 14:50:20
Aroclor 1262	ND	0.0544	0.0108		mg/Kg-dry	1	09/16/21 14:50:20
Aroclor 1268	ND	0.0544	0.0108		mg/Kg-dry	1	09/16/21 14:50:20
Total PCBs	0.160	0.0544	0.0108		mg/Kg-dry	1	09/16/21 14:50:20
Surr: Decachlorobiphenyl	68.0	20.6 - 142			%Rec	1	09/16/21 14:50:20
Surr: Tetrachloro-m-xylene	62.6	22 - 157			%Rec	1	09/16/21 14:50:20
Total Metals by EPA Method 6020B				Batch ID: 33716			Analyst: EH
Copper	1,020	18.7	3.51	D	mg/Kg-dry	20	09/20/21 13:38:46
Sample Moisture (Percent Moisture)				Batch ID: R69951			Analyst: cb
Percent Moisture	16.0	0.500	0.100		wt%	1	09/16/21 10:05:13

Analytical Report

Work Order: **2109220**
Date Reported: **10/2/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109220-007
Client Sample ID: **A4-SIDE5:2**

Collection Date: 9/15/2021 3:10:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33722			Analyst: SB
Aroclor 1016	ND	0.0525	0.00847		mg/Kg-dry	1	09/16/21 15:00:05
Aroclor 1221	ND	0.0525	0.00847		mg/Kg-dry	1	09/16/21 15:00:05
Aroclor 1232	ND	0.0525	0.00847		mg/Kg-dry	1	09/16/21 15:00:05
Aroclor 1242	ND	0.0525	0.00847		mg/Kg-dry	1	09/16/21 15:00:05
Aroclor 1248	ND	0.0525	0.0104		mg/Kg-dry	1	09/16/21 15:00:05
Aroclor 1254	0.515	0.0525	0.0104		mg/Kg-dry	1	09/16/21 15:00:05
Aroclor 1260	ND	0.0525	0.0104		mg/Kg-dry	1	09/16/21 15:00:05
Aroclor 1262	ND	0.0525	0.0104		mg/Kg-dry	1	09/16/21 15:00:05
Aroclor 1268	ND	0.0525	0.0104		mg/Kg-dry	1	09/16/21 15:00:05
Total PCBs	0.515	0.0525	0.0104		mg/Kg-dry	1	09/16/21 15:00:05
Surr: Decachlorobiphenyl	53.2	20.6 - 142			%Rec	1	09/16/21 15:00:05
Surr: Tetrachloro-m-xylene	60.0	22 - 157			%Rec	1	09/16/21 15:00:05
Total Metals by EPA Method 6020B				Batch ID: 33716			Analyst: EH
Copper	2,170	0.900	0.168	E	mg/Kg-dry	1	09/16/21 19:12:51
Sample Moisture (Percent Moisture)				Batch ID: R69951			Analyst: cb
Percent Moisture	12.5	0.500	0.100		wt%	1	09/16/21 10:05:13

Analytical Report

Work Order: **2109220**
Date Reported: **10/2/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109220-008
Client Sample ID: **A4-SIDE5:6**

Collection Date: 9/15/2021 3:15:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33722			Analyst: SB
Aroclor 1016	ND	0.0618	0.00996		mg/Kg-dry	1	09/16/21 15:09:57
Aroclor 1221	ND	0.0618	0.00996		mg/Kg-dry	1	09/16/21 15:09:57
Aroclor 1232	ND	0.0618	0.00996		mg/Kg-dry	1	09/16/21 15:09:57
Aroclor 1242	ND	0.0618	0.00996		mg/Kg-dry	1	09/16/21 15:09:57
Aroclor 1248	ND	0.0618	0.0123		mg/Kg-dry	1	09/16/21 15:09:57
Aroclor 1254	0.179	0.0618	0.0123		mg/Kg-dry	1	09/16/21 15:09:57
Aroclor 1260	ND	0.0618	0.0123		mg/Kg-dry	1	09/16/21 15:09:57
Aroclor 1262	ND	0.0618	0.0123		mg/Kg-dry	1	09/16/21 15:09:57
Aroclor 1268	ND	0.0618	0.0123		mg/Kg-dry	1	09/16/21 15:09:57
Total PCBs	0.179	0.0618	0.0123		mg/Kg-dry	1	09/16/21 15:09:57
Surr: Decachlorobiphenyl	35.7	20.6 - 142			%Rec	1	09/16/21 15:09:57
Surr: Tetrachloro-m-xylene	66.1	22 - 157			%Rec	1	09/16/21 15:09:57
Total Metals by EPA Method 6020B				Batch ID: 33716			Analyst: EH
Copper	340	19.2	3.60	D	mg/Kg-dry	20	09/20/21 13:49:54
Sample Moisture (Percent Moisture)				Batch ID: R69951			Analyst: cb
Percent Moisture	20.6	0.500	0.100		wt%	1	09/16/21 10:05:13

Analytical Report

Work Order: **2109220**
Date Reported: **10/2/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109220-009
Client Sample ID: **A4-SIDE6:2**

Collection Date: 9/15/2021 3:30:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33722			Analyst: SB
Aroclor 1016	ND	0.0576	0.00928		mg/Kg-dry	1	09/16/21 15:19:46
Aroclor 1221	ND	0.0576	0.00928		mg/Kg-dry	1	09/16/21 15:19:46
Aroclor 1232	ND	0.0576	0.00928		mg/Kg-dry	1	09/16/21 15:19:46
Aroclor 1242	ND	0.0576	0.00928		mg/Kg-dry	1	09/16/21 15:19:46
Aroclor 1248	ND	0.0576	0.0114		mg/Kg-dry	1	09/16/21 15:19:46
Aroclor 1254	0.143	0.0576	0.0114		mg/Kg-dry	1	09/16/21 15:19:46
Aroclor 1260	ND	0.0576	0.0114		mg/Kg-dry	1	09/16/21 15:19:46
Aroclor 1262	ND	0.0576	0.0114		mg/Kg-dry	1	09/16/21 15:19:46
Aroclor 1268	ND	0.0576	0.0114		mg/Kg-dry	1	09/16/21 15:19:46
Total PCBs	0.143	0.0576	0.0114		mg/Kg-dry	1	09/16/21 15:19:46
Surr: Decachlorobiphenyl	35.2	20.6 - 142			%Rec	1	09/16/21 15:19:46
Surr: Tetrachloro-m-xylene	50.3	22 - 157			%Rec	1	09/16/21 15:19:46
Total Metals by EPA Method 6020B				Batch ID: 33716			Analyst: EH
Copper	1,550	18.7	3.49	D	mg/Kg-dry	20	09/20/21 13:55:29
Sample Moisture (Percent Moisture)				Batch ID: R69951			Analyst: cb
Percent Moisture	15.6	0.500	0.100		wt%	1	09/16/21 10:05:13

Analytical Report

Work Order: **2109220**
Date Reported: **10/2/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109220-010
Client Sample ID: **A4-SIDE6:6**

Collection Date: 9/15/2021 3:32:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33722			Analyst: SB
Aroclor 1016	ND	0.0655	0.0106		mg/Kg-dry	1	09/16/21 15:49:16
Aroclor 1221	ND	0.0655	0.0106		mg/Kg-dry	1	09/16/21 15:49:16
Aroclor 1232	ND	0.0655	0.0106		mg/Kg-dry	1	09/16/21 15:49:16
Aroclor 1242	ND	0.0655	0.0106		mg/Kg-dry	1	09/16/21 15:49:16
Aroclor 1248	ND	0.0655	0.0130		mg/Kg-dry	1	09/16/21 15:49:16
Aroclor 1254	ND	0.0655	0.0130		mg/Kg-dry	1	09/16/21 15:49:16
Aroclor 1260	ND	0.0655	0.0130		mg/Kg-dry	1	09/16/21 15:49:16
Aroclor 1262	ND	0.0655	0.0130		mg/Kg-dry	1	09/16/21 15:49:16
Aroclor 1268	ND	0.0655	0.0130		mg/Kg-dry	1	09/16/21 15:49:16
Total PCBs	ND	0.0655	0.0130		mg/Kg-dry	1	09/16/21 15:49:16
Surr: Decachlorobiphenyl	83.9	20.6 - 142			%Rec	1	09/16/21 15:49:16
Surr: Tetrachloro-m-xylene	112	22 - 157			%Rec	1	09/16/21 15:49:16
Total Metals by EPA Method 6020B				Batch ID: 33716			Analyst: EH
Copper	29.1	1.01	0.188		mg/Kg-dry	1	09/16/21 19:29:33
Sample Moisture (Percent Moisture)				Batch ID: R69951			Analyst: cb
Percent Moisture	24.8	0.500	0.100		wt%	1	09/16/21 10:05:13

Analytical Report

Work Order: **2109220**
Date Reported: **10/2/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109220-011
Client Sample ID: **A4-SIDE7:2**

Collection Date: 9/15/2021 3:40:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33720			Analyst: SB
Aroclor 1016	ND	0.0577	0.00930		mg/Kg-dry	1	09/16/21 16:48:30
Aroclor 1221	ND	0.0577	0.00930		mg/Kg-dry	1	09/16/21 16:48:30
Aroclor 1232	ND	0.0577	0.00930		mg/Kg-dry	1	09/16/21 16:48:30
Aroclor 1242	ND	0.0577	0.00930		mg/Kg-dry	1	09/16/21 16:48:30
Aroclor 1248	ND	0.0577	0.0115		mg/Kg-dry	1	09/16/21 16:48:30
Aroclor 1254	0.0991	0.0577	0.0115		mg/Kg-dry	1	09/16/21 16:48:30
Aroclor 1260	ND	0.0577	0.0115		mg/Kg-dry	1	09/16/21 16:48:30
Aroclor 1262	ND	0.0577	0.0115		mg/Kg-dry	1	09/16/21 16:48:30
Aroclor 1268	ND	0.0577	0.0115		mg/Kg-dry	1	09/16/21 16:48:30
Total PCBs	0.0991	0.0577	0.0115		mg/Kg-dry	1	09/16/21 16:48:30
Surr: Decachlorobiphenyl	88.4	20.6 - 142			%Rec	1	09/16/21 16:48:30
Surr: Tetrachloro-m-xylene	109	22 - 157			%Rec	1	09/16/21 16:48:30
Total Metals by EPA Method 6020B				Batch ID: 33716			Analyst: EH
Copper	205	0.901	0.169		mg/Kg-dry	1	09/16/21 19:35:07
Sample Moisture (Percent Moisture)				Batch ID: R69950			Analyst: ALB
Percent Moisture	12.6	0.500	0.100		wt%	1	09/16/21 9:29:56

Analytical Report

Work Order: **2109220**
Date Reported: **10/2/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109220-012
Client Sample ID: **A4-SIDE7:6**

Collection Date: 9/15/2021 3:42:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33720			Analyst: SB
Aroclor 1016	ND	0.0559	0.00901		mg/Kg-dry	1	09/16/21 16:58:17
Aroclor 1221	ND	0.0559	0.00901		mg/Kg-dry	1	09/16/21 16:58:17
Aroclor 1232	ND	0.0559	0.00901		mg/Kg-dry	1	09/16/21 16:58:17
Aroclor 1242	ND	0.0559	0.00901		mg/Kg-dry	1	09/16/21 16:58:17
Aroclor 1248	ND	0.0559	0.0111		mg/Kg-dry	1	09/16/21 16:58:17
Aroclor 1254	2.95	0.559	0.111	D	mg/Kg-dry	10	09/17/21 10:47:12
Aroclor 1260	ND	0.0559	0.0111		mg/Kg-dry	1	09/16/21 16:58:17
Aroclor 1262	ND	0.0559	0.0111		mg/Kg-dry	1	09/16/21 16:58:17
Aroclor 1268	ND	0.0559	0.0111		mg/Kg-dry	1	09/16/21 16:58:17
Total PCBs	2.95	0.559	0.111	D	mg/Kg-dry	10	09/17/21 10:47:12
Surr: Decachlorobiphenyl	91.5	20.6 - 142			%Rec	1	09/16/21 16:58:17
Surr: Tetrachloro-m-xylene	107	22 - 157			%Rec	1	09/16/21 16:58:17
Total Metals by EPA Method 6020B				Batch ID: 33716			Analyst: EH
Copper	1,170	0.860	0.161	E	mg/Kg-dry	1	09/16/21 19:40:41
Sample Moisture (Percent Moisture)				Batch ID: R69950			Analyst: ALB
Percent Moisture	13.9	0.500	0.100		wt%	1	09/16/21 9:29:56

Analytical Report

Work Order: **2109220**
Date Reported: **10/2/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109220-013
Client Sample ID: **A4-SIDE8:2**

Collection Date: 9/15/2021 3:45:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33720			Analyst: SB
Aroclor 1016	ND	0.0465	0.00749		mg/Kg-dry	1	09/16/21 17:08:04
Aroclor 1221	ND	0.0465	0.00749		mg/Kg-dry	1	09/16/21 17:08:04
Aroclor 1232	ND	0.0465	0.00749		mg/Kg-dry	1	09/16/21 17:08:04
Aroclor 1242	ND	0.0465	0.00749		mg/Kg-dry	1	09/16/21 17:08:04
Aroclor 1248	ND	0.0465	0.00924		mg/Kg-dry	1	09/16/21 17:08:04
Aroclor 1254	ND	0.0465	0.00924		mg/Kg-dry	1	09/16/21 17:08:04
Aroclor 1260	ND	0.0465	0.00924		mg/Kg-dry	1	09/16/21 17:08:04
Aroclor 1262	ND	0.0465	0.00924		mg/Kg-dry	1	09/16/21 17:08:04
Aroclor 1268	ND	0.0465	0.00924		mg/Kg-dry	1	09/16/21 17:08:04
Total PCBs	ND	0.0465	0.00924		mg/Kg-dry	1	09/16/21 17:08:04
Surr: Decachlorobiphenyl	108	20.6 - 142			%Rec	1	09/16/21 17:08:04
Surr: Tetrachloro-m-xylene	124	22 - 157			%Rec	1	09/16/21 17:08:04
Total Metals by EPA Method 6020B				Batch ID: 33716			Analyst: EH
Copper	10.8	0.825	0.154		mg/Kg-dry	1	09/16/21 19:46:15
Sample Moisture (Percent Moisture)				Batch ID: R69950			Analyst: ALB
Percent Moisture	3.74	0.500	0.100		wt%	1	09/16/21 9:29:56

Analytical Report

Work Order: **2109220**
Date Reported: **10/2/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109220-014
Client Sample ID: **A4-SIDE8:6**

Collection Date: 9/15/2021 3:47:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33720			Analyst: SB
Aroclor 1016	ND	0.0479	0.00772		mg/Kg-dry	1	09/16/21 17:17:50
Aroclor 1221	ND	0.0479	0.00772		mg/Kg-dry	1	09/16/21 17:17:50
Aroclor 1232	ND	0.0479	0.00772		mg/Kg-dry	1	09/16/21 17:17:50
Aroclor 1242	ND	0.0479	0.00772		mg/Kg-dry	1	09/16/21 17:17:50
Aroclor 1248	ND	0.0479	0.00952		mg/Kg-dry	1	09/16/21 17:17:50
Aroclor 1254	ND	0.0479	0.00952		mg/Kg-dry	1	09/16/21 17:17:50
Aroclor 1260	ND	0.0479	0.00952		mg/Kg-dry	1	09/16/21 17:17:50
Aroclor 1262	ND	0.0479	0.00952		mg/Kg-dry	1	09/16/21 17:17:50
Aroclor 1268	ND	0.0479	0.00952		mg/Kg-dry	1	09/16/21 17:17:50
Total PCBs	ND	0.0479	0.00952		mg/Kg-dry	1	09/16/21 17:17:50
Surr: Decachlorobiphenyl	109	20.6 - 142			%Rec	1	09/16/21 17:17:50
Surr: Tetrachloro-m-xylene	119	22 - 157			%Rec	1	09/16/21 17:17:50
Total Metals by EPA Method 6020B				Batch ID: 33716			Analyst: EH
Copper	11.9	0.756	0.142		mg/Kg-dry	1	09/16/21 20:02:59
Sample Moisture (Percent Moisture)				Batch ID: R69950			Analyst: ALB
Percent Moisture	4.17	0.500	0.100		wt%	1	09/16/21 9:29:56

Analytical Report

Work Order: **2109220**
Date Reported: **10/2/2021**

Client: Shannon & Wilson
Collection Date: 9/15/2021 3:50:00 PM
Project: 8801- Excavations
Lab ID: 2109220-015
Matrix: Soil
Client Sample ID: A4-SIDE9:2

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33720			Analyst: SB
Aroclor 1016	ND	0.0612	0.00986		mg/Kg-dry	1	09/16/21 17:27:39
Aroclor 1221	ND	0.0612	0.00986		mg/Kg-dry	1	09/16/21 17:27:39
Aroclor 1232	ND	0.0612	0.00986		mg/Kg-dry	1	09/16/21 17:27:39
Aroclor 1242	ND	0.0612	0.00986		mg/Kg-dry	1	09/16/21 17:27:39
Aroclor 1248	ND	0.0612	0.0122		mg/Kg-dry	1	09/16/21 17:27:39
Aroclor 1254	ND	0.0612	0.0122		mg/Kg-dry	1	09/16/21 17:27:39
Aroclor 1260	ND	0.0612	0.0122		mg/Kg-dry	1	09/16/21 17:27:39
Aroclor 1262	ND	0.0612	0.0122		mg/Kg-dry	1	09/16/21 17:27:39
Aroclor 1268	ND	0.0612	0.0122		mg/Kg-dry	1	09/16/21 17:27:39
Total PCBs	ND	0.0612	0.0122		mg/Kg-dry	1	09/16/21 17:27:39
Surr: Decachlorobiphenyl	89.5	20.6 - 142			%Rec	1	09/16/21 17:27:39
Surr: Tetrachloro-m-xylene	103	22 - 157			%Rec	1	09/16/21 17:27:39
Total Metals by EPA Method 6020B				Batch ID: 33716			Analyst: EH
Copper	163	1.07	0.200		mg/Kg-dry	1	09/16/21 20:08:33
Sample Moisture (Percent Moisture)				Batch ID: R69950			Analyst: ALB
Percent Moisture	23.8	0.500	0.100		wt%	1	09/16/21 9:29:56

Analytical Report

Work Order: **2109220**
Date Reported: **10/2/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109220-016
Client Sample ID: **A4-SIDE9:6**

Collection Date: 9/15/2021 3:52:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33720			Analyst: SB
Aroclor 1016	ND	0.0552	0.00889		mg/Kg-dry	1	09/16/21 17:37:25
Aroclor 1221	ND	0.0552	0.00889		mg/Kg-dry	1	09/16/21 17:37:25
Aroclor 1232	ND	0.0552	0.00889		mg/Kg-dry	1	09/16/21 17:37:25
Aroclor 1242	ND	0.0552	0.00889		mg/Kg-dry	1	09/16/21 17:37:25
Aroclor 1248	ND	0.0552	0.0110		mg/Kg-dry	1	09/16/21 17:37:25
Aroclor 1254	0.484	0.0552	0.0110		mg/Kg-dry	1	09/16/21 17:37:25
Aroclor 1260	ND	0.0552	0.0110		mg/Kg-dry	1	09/16/21 17:37:25
Aroclor 1262	ND	0.0552	0.0110		mg/Kg-dry	1	09/16/21 17:37:25
Aroclor 1268	ND	0.0552	0.0110		mg/Kg-dry	1	09/16/21 17:37:25
Total PCBs	0.484	0.0552	0.0110		mg/Kg-dry	1	09/16/21 17:37:25
Surr: Decachlorobiphenyl	83.8	20.6 - 142			%Rec	1	09/16/21 17:37:25
Surr: Tetrachloro-m-xylene	98.4	22 - 157			%Rec	1	09/16/21 17:37:25
Total Metals by EPA Method 6020B				Batch ID: 33716			Analyst: EH
Copper	1,110	0.862	0.161	E	mg/Kg-dry	1	09/16/21 20:14:07
Sample Moisture (Percent Moisture)				Batch ID: R69950			Analyst: ALB
Percent Moisture	14.7	0.500	0.100		wt%	1	09/16/21 9:29:56

Analytical Report

Work Order: **2109220**
Date Reported: **10/2/2021**

Client: Shannon & Wilson
Collection Date: 9/15/2021 3:55:00 PM
Project: 8801- Excavations
Lab ID: 2109220-017
Matrix: Soil
Client Sample ID: A4-SIDE10:2

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33720			Analyst: SB
Aroclor 1016	ND	0.0539	0.00868		mg/Kg-dry	1	09/16/21 17:47:13
Aroclor 1221	ND	0.0539	0.00868		mg/Kg-dry	1	09/16/21 17:47:13
Aroclor 1232	ND	0.0539	0.00868		mg/Kg-dry	1	09/16/21 17:47:13
Aroclor 1242	ND	0.0539	0.00868		mg/Kg-dry	1	09/16/21 17:47:13
Aroclor 1248	ND	0.0539	0.0107		mg/Kg-dry	1	09/16/21 17:47:13
Aroclor 1254	ND	0.0539	0.0107		mg/Kg-dry	1	09/16/21 17:47:13
Aroclor 1260	ND	0.0539	0.0107		mg/Kg-dry	1	09/16/21 17:47:13
Aroclor 1262	ND	0.0539	0.0107		mg/Kg-dry	1	09/16/21 17:47:13
Aroclor 1268	ND	0.0539	0.0107		mg/Kg-dry	1	09/16/21 17:47:13
Total PCBs	ND	0.0539	0.0107		mg/Kg-dry	1	09/16/21 17:47:13
Surr: Decachlorobiphenyl	92.6	20.6 - 142			%Rec	1	09/16/21 17:47:13
Surr: Tetrachloro-m-xylene	111	22 - 157			%Rec	1	09/16/21 17:47:13
Total Metals by EPA Method 6020B				Batch ID: 33716			Analyst: EH
Copper	41.1	0.843	0.158		mg/Kg-dry	1	09/16/21 20:19:41
Sample Moisture (Percent Moisture)				Batch ID: R69950			Analyst: ALB
Percent Moisture	12.1	0.500	0.100		wt%	1	09/16/21 9:29:56

Analytical Report

Work Order: **2109220**
Date Reported: **10/2/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109220-018
Client Sample ID: A4-SIDE10:6

Collection Date: 9/15/2021 3:57:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33720			Analyst: SB
Aroclor 1016	ND	0.0586	0.00945		mg/Kg-dry	1	09/16/21 17:57:03
Aroclor 1221	ND	0.0586	0.00945		mg/Kg-dry	1	09/16/21 17:57:03
Aroclor 1232	ND	0.0586	0.00945		mg/Kg-dry	1	09/16/21 17:57:03
Aroclor 1242	ND	0.0586	0.00945		mg/Kg-dry	1	09/16/21 17:57:03
Aroclor 1248	ND	0.0586	0.0117		mg/Kg-dry	1	09/16/21 17:57:03
Aroclor 1254	0.589	0.0586	0.0117		mg/Kg-dry	1	09/16/21 17:57:03
Aroclor 1260	ND	0.0586	0.0117		mg/Kg-dry	1	09/16/21 17:57:03
Aroclor 1262	ND	0.0586	0.0117		mg/Kg-dry	1	09/16/21 17:57:03
Aroclor 1268	ND	0.0586	0.0117		mg/Kg-dry	1	09/16/21 17:57:03
Total PCBs	0.589	0.0586	0.0117		mg/Kg-dry	1	09/16/21 17:57:03
Surr: Decachlorobiphenyl	83.6	20.6 - 142			%Rec	1	09/16/21 17:57:03
Surr: Tetrachloro-m-xylene	87.8	22 - 157			%Rec	1	09/16/21 17:57:03
Total Metals by EPA Method 6020B				Batch ID: 33731			Analyst: EH
Copper	1,420	0.918	0.172	E	mg/Kg-dry	1	09/20/21 12:31:05
Sample Moisture (Percent Moisture)				Batch ID: R69950			Analyst: ALB
Percent Moisture	14.9	0.500	0.100		wt%	1	09/16/21 9:29:56

Analytical Report

Work Order: **2109220**
Date Reported: **10/2/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109220-019
Client Sample ID: **A4-SIDE1:2**

Collection Date: 9/15/2021 4:00:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33720			Analyst: SB
Aroclor 1016	ND	0.0557	0.00897		mg/Kg-dry	1	09/16/21 18:06:51
Aroclor 1221	ND	0.0557	0.00897		mg/Kg-dry	1	09/16/21 18:06:51
Aroclor 1232	ND	0.0557	0.00897		mg/Kg-dry	1	09/16/21 18:06:51
Aroclor 1242	ND	0.0557	0.00897		mg/Kg-dry	1	09/16/21 18:06:51
Aroclor 1248	ND	0.0557	0.0111		mg/Kg-dry	1	09/16/21 18:06:51
Aroclor 1254	0.0522	0.0557	0.0111	J	mg/Kg-dry	1	09/16/21 18:06:51
Aroclor 1260	ND	0.0557	0.0111		mg/Kg-dry	1	09/16/21 18:06:51
Aroclor 1262	ND	0.0557	0.0111		mg/Kg-dry	1	09/16/21 18:06:51
Aroclor 1268	ND	0.0557	0.0111		mg/Kg-dry	1	09/16/21 18:06:51
Total PCBs	0.0522	0.0557	0.0111	J	mg/Kg-dry	1	09/16/21 18:06:51
Surr: Decachlorobiphenyl	104	20.6 - 142			%Rec	1	09/16/21 18:06:51
Surr: Tetrachloro-m-xylene	119	22 - 157			%Rec	1	09/16/21 18:06:51
Total Metals by EPA Method 6020B				Batch ID: 33731			Analyst: EH
Copper	531	17.3	3.24	D	mg/Kg-dry	20	09/20/21 19:10:25
Sample Moisture (Percent Moisture)				Batch ID: R69950			Analyst: ALB
Percent Moisture	9.69	0.500	0.100		wt%	1	09/16/21 9:29:56

Revision v1

Analytical Report

Work Order: **2109220**
Date Reported: **10/2/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109220-020
Client Sample ID: **A4-SIDE1:6**

Collection Date: 9/15/2021 4:05:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33734			Analyst: SB
Aroclor 1016	ND	0.0395	0.00636		mg/Kg-dry	1	09/17/21 13:00:23
Aroclor 1221	ND	0.0395	0.00636		mg/Kg-dry	1	09/17/21 13:00:23
Aroclor 1232	ND	0.0395	0.00636		mg/Kg-dry	1	09/17/21 13:00:23
Aroclor 1242	ND	0.0395	0.00636		mg/Kg-dry	1	09/17/21 13:00:23
Aroclor 1248	ND	0.0395	0.00785		mg/Kg-dry	1	09/17/21 13:00:23
Aroclor 1254	0.502	0.0395	0.00785		mg/Kg-dry	1	09/17/21 13:00:23
Aroclor 1260	ND	0.0395	0.00785		mg/Kg-dry	1	09/17/21 13:00:23
Aroclor 1262	ND	0.0395	0.00785		mg/Kg-dry	1	09/17/21 13:00:23
Aroclor 1268	ND	0.0395	0.00785		mg/Kg-dry	1	09/17/21 13:00:23
Total PCBs	0.502	0.0395	0.00785		mg/Kg-dry	1	09/17/21 13:00:23
Surr: Decachlorobiphenyl	85.7	20.6 - 142			%Rec	1	09/17/21 13:00:23
Surr: Tetrachloro-m-xylene	85.2	22 - 157			%Rec	1	09/17/21 13:00:23
Total Metals by EPA Method 6020B				Batch ID: 33731			Analyst: EH
Copper	1,020	0.895	0.168	E	mg/Kg-dry	1	09/20/21 12:36:39
Sample Moisture (Percent Moisture)				Batch ID: R69950			Analyst: ALB
Percent Moisture	12.7	0.500	0.100		wt%	1	09/16/21 9:29:56

Analytical Report

Work Order: **2109220**
Date Reported: **10/2/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109220-021
Client Sample ID: **A4-SIDE100:2**

Collection Date: 9/15/2021 4:30:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33720			Analyst: SB
Aroclor 1016	ND	0.0584	0.00941		mg/Kg-dry	1	09/16/21 18:26:26
Aroclor 1221	ND	0.0584	0.00941		mg/Kg-dry	1	09/16/21 18:26:26
Aroclor 1232	ND	0.0584	0.00941		mg/Kg-dry	1	09/16/21 18:26:26
Aroclor 1242	ND	0.0584	0.00941		mg/Kg-dry	1	09/16/21 18:26:26
Aroclor 1248	ND	0.0584	0.0116		mg/Kg-dry	1	09/16/21 18:26:26
Aroclor 1254	0.822	0.0584	0.0116		mg/Kg-dry	1	09/16/21 18:26:26
Aroclor 1260	ND	0.0584	0.0116		mg/Kg-dry	1	09/16/21 18:26:26
Aroclor 1262	ND	0.0584	0.0116		mg/Kg-dry	1	09/16/21 18:26:26
Aroclor 1268	ND	0.0584	0.0116		mg/Kg-dry	1	09/16/21 18:26:26
Total PCBs	0.822	0.0584	0.0116		mg/Kg-dry	1	09/16/21 18:26:26
Surr: Decachlorobiphenyl	88.3	20.6 - 142			%Rec	1	09/16/21 18:26:26
Surr: Tetrachloro-m-xylene	100	22 - 157			%Rec	1	09/16/21 18:26:26
Total Metals by EPA Method 6020B				Batch ID: 33731			Analyst: EH
Copper	1,690	0.868	0.162	E	mg/Kg-dry	1	09/20/21 12:42:12
Sample Moisture (Percent Moisture)				Batch ID: R69950			Analyst: ALB
Percent Moisture	12.7	0.500	0.100		wt%	1	09/16/21 9:29:56

Work Order: 2109220
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **ICB-33716**	SampType: **ICB**			Units: **µg/L**		Prep Date: **9/16/2021**			RunNo: **69965**	
Client ID: **ICB**	Batch ID: **33716**					Analysis Date: **9/16/2021**			SeqNo: **1418593**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICV-33716A**	SampType: **ICV**			Units: **µg/L**		Prep Date: **9/16/2021**			RunNo: **69965**	
Client ID: **ICV**	Batch ID: **33716**					Analysis Date: **9/16/2021**			SeqNo: **1418597**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	99.4	10.0	100.0	0	99.4	90	110				

Sample ID: **CCV-33716A**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/16/2021**			RunNo: **69965**	
Client ID: **CCV**	Batch ID: **33716**					Analysis Date: **9/16/2021**			SeqNo: **1418602**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	97.2	10.0	100.0	0	97.2	90	110				

Sample ID: **CCB-33716A**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/16/2021**			RunNo: **69965**	
Client ID: **CCB**	Batch ID: **33716**					Analysis Date: **9/16/2021**			SeqNo: **1418603**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **MB-33716**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **9/16/2021**			RunNo: **69965**	
Client ID: **MBLKS**	Batch ID: **33716**					Analysis Date: **9/16/2021**			SeqNo: **1418604**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.165	0.794									J

Work Order: 2109220
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **LCS-33716**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **9/16/2021**		RunNo: **69965**		
Client ID: **LCSS**	Batch ID: **33716**					Analysis Date: **9/16/2021**		SeqNo: **1418605**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	36.5	0.758	37.88	0	96.4	80	120				

Sample ID: **CCV-33716B**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/16/2021**		RunNo: **69965**		
Client ID: **CCV**	Batch ID: **33716**					Analysis Date: **9/16/2021**		SeqNo: **1418606**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	94.0	10.0	100.0	0	94.0	90	110				

Sample ID: **CCB-33716B**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/16/2021**		RunNo: **69965**		
Client ID: **CCB**	Batch ID: **33716**					Analysis Date: **9/16/2021**		SeqNo: **1418607**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **2109200-001AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **9/16/2021**		RunNo: **69965**		
Client ID: **BATCH**	Batch ID: **33716**					Analysis Date: **9/16/2021**		SeqNo: **1418610**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	57.1	0.838	41.92	22.44	82.6	75	125				

Sample ID: **2109200-001AMSD**	SampType: **MSD**			Units: **mg/Kg-dry**		Prep Date: **9/16/2021**		RunNo: **69965**		
Client ID: **BATCH**	Batch ID: **33716**					Analysis Date: **9/16/2021**		SeqNo: **1418611**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	61.1	0.825	41.25	22.44	93.8	75	125	57.08	6.83	20	

Work Order: 2109220
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-33716C**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/16/2021**			RunNo: **69965**		
Client ID: **CCV**	Batch ID: **33716**					Analysis Date: **9/16/2021**			SeqNo: **1418618**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	96.7	10.0	100.0	0	96.7	90	110				

Sample ID: **CCB-33716C**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/16/2021**			RunNo: **69965**		
Client ID: **CCB**	Batch ID: **33716**					Analysis Date: **9/16/2021**			SeqNo: **1418619**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33716D**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/16/2021**			RunNo: **69965**		
Client ID: **CCV**	Batch ID: **33716**					Analysis Date: **9/16/2021**			SeqNo: **1418630**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	99.1	10.0	100.0	0	99.1	90	110				

Sample ID: **CCB-33716D**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/16/2021**			RunNo: **69965**		
Client ID: **CCB**	Batch ID: **33716**					Analysis Date: **9/16/2021**			SeqNo: **1418631**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33716E**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/16/2021**			RunNo: **69965**		
Client ID: **CCV**	Batch ID: **33716**					Analysis Date: **9/16/2021**			SeqNo: **1418636**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	96.0	10.0	100.0	0	96.0	90	110				

Work Order: 2109220
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCB-33716E**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/16/2021**			RunNo: **69965**		
Client ID: **CCB**	Batch ID: **33716**					Analysis Date: **9/16/2021**			SeqNo: **1418637**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICB-33716A**	SampType: **ICB**			Units: **µg/L**		Prep Date: **9/17/2021**			RunNo: **69965**		
Client ID: **ICB**	Batch ID: **33716**					Analysis Date: **9/17/2021**			SeqNo: **1419027**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICV-33716A**	SampType: **ICV**			Units: **µg/L**		Prep Date: **9/17/2021**			RunNo: **69965**		
Client ID: **ICV**	Batch ID: **33716**					Analysis Date: **9/17/2021**			SeqNo: **1419029**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	94.0	10.0	100.0	0	94.0	90	110				

Sample ID: **CCV-33716F**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/17/2021**			RunNo: **69965**		
Client ID: **CCV**	Batch ID: **33716**					Analysis Date: **9/17/2021**			SeqNo: **1419037**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	91.4	10.0	100.0	0	91.4	90	110				

Sample ID: **CCB-33716F**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/17/2021**			RunNo: **69965**		
Client ID: **CCB**	Batch ID: **33716**					Analysis Date: **9/17/2021**			SeqNo: **1419038**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Work Order: 2109220
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-33716G**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/17/2021**		RunNo: **69965**			
Client ID: **CCV**	Batch ID: **33716**					Analysis Date: **9/17/2021**		SeqNo: **1419049**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	82.1	10.0	100.0	0	82.1	90	110				S

NOTES:
S - Outlying spike recovery observed (low bias). Samples will be qualified with a Q.

Sample ID: **CCB-33716G**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/17/2021**		RunNo: **69965**			
Client ID: **CCB**	Batch ID: **33716**					Analysis Date: **9/17/2021**		SeqNo: **1419050**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICB-33716B**	SampType: **ICB**			Units: **µg/L**		Prep Date: **9/20/2021**		RunNo: **69965**			
Client ID: **ICB**	Batch ID: **33716**					Analysis Date: **9/20/2021**		SeqNo: **1419305**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICB-33731**	SampType: **ICB**			Units: **µg/L**		Prep Date: **9/20/2021**		RunNo: **70005**			
Client ID: **ICB**	Batch ID: **33731**					Analysis Date: **9/20/2021**		SeqNo: **1419279**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICV-33716B**	SampType: **ICV**			Units: **µg/L**		Prep Date: **9/20/2021**		RunNo: **69965**			
Client ID: **ICV**	Batch ID: **33716**					Analysis Date: **9/20/2021**		SeqNo: **1419307**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	97.3	10.0	100.0	0	97.3	90	110				

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Sample ID: **ICV-33731**	SampType: **ICV**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **70005**	
Client ID: **ICV**	Batch ID: **33731**					Analysis Date: **9/20/2021**			SeqNo: **1419282**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	97.3	10.0	100.0	0	97.3	90	110				

Sample ID: **ICV A-33731**	SampType: **ICV**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **70005**	
Client ID: **ICV**	Batch ID: **33731**					Analysis Date: **9/20/2021**			SeqNo: **1419284**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **MB-33731**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **9/17/2021**			RunNo: **70005**	
Client ID: **MBLKS**	Batch ID: **33731**					Analysis Date: **9/20/2021**			SeqNo: **1419288**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.173	0.746									J

Sample ID: **LCS-33731**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **9/17/2021**			RunNo: **70005**	
Client ID: **LCSS**	Batch ID: **33731**					Analysis Date: **9/20/2021**			SeqNo: **1419289**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	38.9	0.794	39.68	0	98.1	80	120				

Sample ID: **2109220-019AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **9/17/2021**			RunNo: **70005**	
Client ID: **A4-SIDE1:2**	Batch ID: **33731**					Analysis Date: **9/20/2021**			SeqNo: **1419292**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	368	0.886	44.29	395.7	-62.1	75	125				ES

NOTES:
S - Analyte concentration was too high for accurate spike recovery(ies).

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Sample ID: **2109220-019AMSD**	SampType: **MSD**			Units: **mg/Kg-dry**		Prep Date: **9/17/2021**			RunNo: **70005**		
Client ID: **A4-SIDE1:2**	Batch ID: **33731**					Analysis Date: **9/20/2021**			SeqNo: **1419293**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	332	0.886	44.29	395.7	-144	75	125	368.2	10.4	20	ES

NOTES:
S - Analyte concentration was too high for accurate spike recovery(ies).

Sample ID: **CCV-33716H**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **69965**		
Client ID: **CCV**	Batch ID: **33716**					Analysis Date: **9/20/2021**			SeqNo: **1419310**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	93.5	10.0	100.0	0	93.5	90	110				

Sample ID: **CCV-33731A**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **70005**		
Client ID: **CCV**	Batch ID: **33731**					Analysis Date: **9/20/2021**			SeqNo: **1419298**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	93.5	10.0	100.0	0	93.5	90	110				

Sample ID: **CCB-33716H**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **69965**		
Client ID: **CCB**	Batch ID: **33716**					Analysis Date: **9/20/2021**			SeqNo: **1419311**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCB-33731A**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **70005**		
Client ID: **CCB**	Batch ID: **33731**					Analysis Date: **9/20/2021**			SeqNo: **1419299**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Work Order: 2109220
CLIENT: Shannon & Wilson
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Sample ID: **CCV-33716I**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **69965**	
Client ID: **CCV**	Batch ID: **33716**					Analysis Date: **9/20/2021**			SeqNo: **1419322**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	92.2	10.0	100.0	0	92.2	90	110				

Sample ID: **CCV-33731B**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **70005**	
Client ID: **CCV**	Batch ID: **33731**					Analysis Date: **9/20/2021**			SeqNo: **1419392**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	92.2	10.0	100.0	0	92.2	90	110				

Sample ID: **CCB-33716I**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **69965**	
Client ID: **CCB**	Batch ID: **33716**					Analysis Date: **9/20/2021**			SeqNo: **1419323**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCB-33731B**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **70005**	
Client ID: **CCB**	Batch ID: **33731**					Analysis Date: **9/20/2021**			SeqNo: **1419393**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33731C**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **70005**	
Client ID: **CCV**	Batch ID: **33731**					Analysis Date: **9/20/2021**			SeqNo: **1419398**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	87.7	10.0	100.0	0	87.7	90	110				S

NOTES:
S - Outlying spike recovery observed (low bias). Samples will be qualified with a Q.

Work Order: 2109220
CLIENT: Shannon & Wilson
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Total Metals by EPA Method 6020B

Sample ID: **CCB-33731C**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **70005**		
Client ID: **CCB**	Batch ID: **33731**					Analysis Date: **9/20/2021**			SeqNo: **1419399**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICB-33716C**	SampType: **ICB**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **69965**		
Client ID: **ICB**	Batch ID: **33716**					Analysis Date: **9/20/2021**			SeqNo: **1419996**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICB-33731A**	SampType: **ICB**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **70005**		
Client ID: **ICB**	Batch ID: **33731**					Analysis Date: **9/20/2021**			SeqNo: **1420046**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICV-33716C**	SampType: **ICV**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **69965**		
Client ID: **ICV**	Batch ID: **33716**					Analysis Date: **9/20/2021**			SeqNo: **1419997**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	96.7	10.0	100.0	0	96.7	90	110				

Sample ID: **ICV-33731A**	SampType: **ICV**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **70005**		
Client ID: **ICV**	Batch ID: **33731**					Analysis Date: **9/20/2021**			SeqNo: **1420047**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	96.7	10.0	100.0	0	96.7	90	110				

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Total Metals by EPA Method 6020B

Sample ID: **CCV-33716J**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **69965**	
Client ID: **CCV**	Batch ID: **33716**					Analysis Date: **9/20/2021**			SeqNo: **1420003**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	93.4	10.0	100.0	0	93.4	90	110				

Sample ID: **CCV-33731D**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **70005**	
Client ID: **CCV**	Batch ID: **33731**					Analysis Date: **9/20/2021**			SeqNo: **1420053**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	93.4	10.0	100.0	0	93.4	90	110				

Sample ID: **CCB-33716J**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **69965**	
Client ID: **CCB**	Batch ID: **33716**					Analysis Date: **9/20/2021**			SeqNo: **1420004**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCB-33731D**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **70005**	
Client ID: **CCB**	Batch ID: **33731**					Analysis Date: **9/20/2021**			SeqNo: **1420054**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33716K**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **69965**	
Client ID: **CCV**	Batch ID: **33716**					Analysis Date: **9/20/2021**			SeqNo: **1420011**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	98.2	10.0	100.0	0	98.2	90	110				

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QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-33731E**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **70005**		
Client ID: **CCV**	Batch ID: **33731**					Analysis Date: **9/20/2021**			SeqNo: **1420065**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	98.2	10.0	100.0	0	98.2	90	110				

Sample ID: **CCB-33716K**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **69965**		
Client ID: **CCB**	Batch ID: **33716**					Analysis Date: **9/20/2021**			SeqNo: **1420012**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCB-33731E**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **70005**		
Client ID: **CCB**	Batch ID: **33731**					Analysis Date: **9/20/2021**			SeqNo: **1420066**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33731F**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **70005**		
Client ID: **CCV**	Batch ID: **33731**					Analysis Date: **9/20/2021**			SeqNo: **1420077**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	102	10.0	100.0	0	102	90	110				

Sample ID: **CCB-33731F**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **70005**		
Client ID: **CCB**	Batch ID: **33731**					Analysis Date: **9/20/2021**			SeqNo: **1420078**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

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Sample ID: **CCV-33731G**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **70005**	
Client ID: **CCV**	Batch ID: **33731**					Analysis Date: **9/20/2021**			SeqNo: **1420088**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	98.6	10.0	100.0	0	98.6	90	110				

Sample ID: **CCB-33731G**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/20/2021**			RunNo: **70005**	
Client ID: **CCB**	Batch ID: **33731**					Analysis Date: **9/20/2021**			SeqNo: **1420089**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICB-33731B**	SampType: **ICB**			Units: **µg/L**		Prep Date: **9/21/2021**			RunNo: **70005**	
Client ID: **ICB**	Batch ID: **33731**					Analysis Date: **9/21/2021**			SeqNo: **1420172**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICV-33731B**	SampType: **ICV**			Units: **µg/L**		Prep Date: **9/21/2021**			RunNo: **70005**	
Client ID: **ICV**	Batch ID: **33731**					Analysis Date: **9/21/2021**			SeqNo: **1420173**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	105	10.0	100.0	0	105	90	110				

Sample ID: **CCV-33731C**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/21/2021**			RunNo: **70005**	
Client ID: **CCV**	Batch ID: **33731**					Analysis Date: **9/21/2021**			SeqNo: **1420209**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	106	10.0	100.0	0	106	90	110				

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Total Metals by EPA Method 6020B

Sample ID: **CCB-33731C**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/21/2021**			RunNo: **70005**		
Client ID: **CCB**	Batch ID: **33731**					Analysis Date: **9/21/2021**			SeqNo: **1420184**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33731H**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/21/2021**			RunNo: **70005**		
Client ID: **CCV**	Batch ID: **33731**					Analysis Date: **9/21/2021**			SeqNo: **1420453**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	104	10.0	100.0	0	104	90	110				

Sample ID: **CCB-33731H**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/21/2021**			RunNo: **70005**		
Client ID: **CCB**	Batch ID: **33731**					Analysis Date: **9/21/2021**			SeqNo: **1420454**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33731I**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/21/2021**			RunNo: **70005**		
Client ID: **CCV**	Batch ID: **33731**					Analysis Date: **9/21/2021**			SeqNo: **1420459**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	112	10.0	100.0	0	112	90	110				S

NOTES:
S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Sample ID: **CCB-33731I**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/21/2021**			RunNo: **70005**		
Client ID: **CCB**	Batch ID: **33731**					Analysis Date: **9/21/2021**			SeqNo: **1420460**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Work Order: 2109220
CLIENT: Shannon & Wilson
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QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **ICB-33731C**	SampType: **ICB**			Units: **µg/L**		Prep Date: **9/21/2021**			RunNo: **70005**	
Client ID: **ICB**	Batch ID: **33731**					Analysis Date: **9/21/2021**			SeqNo: **1420565**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICV-33731C**	SampType: **ICV**			Units: **µg/L**		Prep Date: **9/21/2021**			RunNo: **70005**	
Client ID: **ICV**	Batch ID: **33731**					Analysis Date: **9/21/2021**			SeqNo: **1420568**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	98.7	10.0	100.0	0	98.7	90	110				

Sample ID: **CCV-33731J**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/21/2021**			RunNo: **70005**	
Client ID: **CCV**	Batch ID: **33731**					Analysis Date: **9/21/2021**			SeqNo: **1420574**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	106	10.0	100.0	0	106	90	110				

Sample ID: **CCB-33731J**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/21/2021**			RunNo: **70005**	
Client ID: **CCB**	Batch ID: **33731**					Analysis Date: **9/21/2021**			SeqNo: **1420575**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Work Order: 2109220
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1254 ICB** SampType: **ICB** Units: **mg/Kg** Prep Date: **8/24/2021** RunNo: **69481**
Client ID: **ICB** Batch ID: **33734** Analysis Date: **8/24/2021** SeqNo: **1408020**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1221	ND	0.0500									
Aroclor 1232	ND	0.0500									
Aroclor 1242	ND	0.0500									
Aroclor 1248	ND	0.0500									
Aroclor 1254	ND	0.0500									
Aroclor 1260	ND	0.0500									
Aroclor 1262	ND	0.0500									
Aroclor 1268	ND	0.0500									
Surr: Decachlorobiphenyl	207		200.0		103	50.2	159				
Surr: Tetrachloro-m-xylene	210		200.0		105	60.3	134				

Sample ID: **1254 ICV** SampType: **ICV** Units: **mg/Kg** Prep Date: **8/24/2021** RunNo: **69481**
Client ID: **ICV** Batch ID: **33734** Analysis Date: **8/24/2021** SeqNo: **1408021**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.961	0.0500	1.000	0	96.1	80	120				
Surr: Decachlorobiphenyl	204		200.0		102	30.2	155				
Surr: Tetrachloro-m-xylene	203		200.0		101	58.8	143				

Sample ID: **1660 ICB** SampType: **ICB** Units: **mg/Kg** Prep Date: **8/25/2021** RunNo: **69481**
Client ID: **ICB** Batch ID: **33734** Analysis Date: **8/25/2021** SeqNo: **1408031**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1221	ND	0.0500									
Aroclor 1232	ND	0.0500									
Aroclor 1242	ND	0.0500									
Aroclor 1248	ND	0.0500									

Work Order: 2109220
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1660 ICB** SampType: **ICB** Units: **mg/Kg** Prep Date: **8/25/2021** RunNo: **69481**
Client ID: **ICB** Batch ID: **33734** Analysis Date: **8/25/2021** SeqNo: **1408031**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	ND	0.0500									
Aroclor 1260	ND	0.0500									
Aroclor 1262	ND	0.0500									
Aroclor 1268	ND	0.0500									
Surr: Decachlorobiphenyl	208		200.0		104	50.2	159				
Surr: Tetrachloro-m-xylene	208		200.0		104	60.3	134				

Sample ID: **1660 ICV** SampType: **ICV** Units: **mg/Kg** Prep Date: **8/25/2021** RunNo: **69481**
Client ID: **ICV** Batch ID: **33734** Analysis Date: **8/25/2021** SeqNo: **1408033**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.928	0.0500	1.000	0	92.8	80	120				
Aroclor 1260	0.940	0.0500	1.000	0	94.0	80	120				
Surr: Decachlorobiphenyl	185		200.0		92.7	30.2	155				
Surr: Tetrachloro-m-xylene	189		200.0		94.3	58.8	143				

Sample ID: **1660-CCV-33722A** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/16/2021** RunNo: **69967**
Client ID: **CCV** Batch ID: **33722** Analysis Date: **9/16/2021** SeqNo: **1418712**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.844	0.0500	1.000	0	84.4	80	120				
Aroclor 1260	0.920	0.0500	1.000	0	92.0	80	120				
Surr: Decachlorobiphenyl	159		200.0		79.6	30.2	155				
Surr: Tetrachloro-m-xylene	185		200.0		92.5	58.8	143				

Work Order: 2109220
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1254-CCV-33722A** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/16/2021** RunNo: **69967**
Client ID: **CCV** Batch ID: **33722** Analysis Date: **9/16/2021** SeqNo: **1418713**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.05	0.0500	1.000	0	105	80	120				
Surr: Decachlorobiphenyl	206		200.0		103	30.2	155				
Surr: Tetrachloro-m-xylene	225		200.0		113	58.8	143				

Sample ID: **MB-33722** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/16/2021** RunNo: **69967**
Client ID: **MBLKS** Batch ID: **33722** Analysis Date: **9/16/2021** SeqNo: **1418714**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1221	ND	0.0500									
Aroclor 1232	ND	0.0500									
Aroclor 1242	ND	0.0500									
Aroclor 1248	ND	0.0500									
Aroclor 1254	ND	0.0500									
Aroclor 1260	ND	0.0500									
Aroclor 1262	ND	0.0500									
Aroclor 1268	ND	0.0500									
Total PCBs	ND	0.0500									
Surr: Decachlorobiphenyl	265		200.0		133	20.6	142				
Surr: Tetrachloro-m-xylene	276		200.0		138	22	157				

Sample ID: **LCS1-33722** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/16/2021** RunNo: **69967**
Client ID: **LCSS** Batch ID: **33722** Analysis Date: **9/16/2021** SeqNo: **1418715**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.06	0.0500	1.000	0	106	52.2	136				
Aroclor 1260	1.17	0.0500	1.000	0	117	50.5	150				
Surr: Decachlorobiphenyl	223		200.0		112	20.6	142				
Surr: Tetrachloro-m-xylene	249		200.0		124	22	157				

Work Order: 2109220
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **LCS1-33722**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **9/16/2021**	RunNo: **69967**
Client ID: **LCSS**	Batch ID: **33722**		Analysis Date: **9/16/2021**	SeqNo: **1418715**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **LCS2-33722**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **9/16/2021**	RunNo: **69967**
Client ID: **LCSS**	Batch ID: **33722**		Analysis Date: **9/16/2021**	SeqNo: **1418716**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.21	0.0500	1.000	0	121	48.1	147				
Surr: Decachlorobiphenyl	243		200.0		121	20.6	142				
Surr: Tetrachloro-m-xylene	256		200.0		128	22	157				

Sample ID: **2109220-009AMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **9/16/2021**	RunNo: **69967**
Client ID: **A4-SIDE6:2**	Batch ID: **33722**		Analysis Date: **9/16/2021**	SeqNo: **1418726**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.17	0.0583	1.166	0	100	38.6	146				
Aroclor 1260	1.19	0.0583	1.166	0	102	24.6	161				
Surr: Decachlorobiphenyl	126		233.1		54.0	20.6	142				
Surr: Tetrachloro-m-xylene	184		233.1		79.0	22	157				

Sample ID: **2109220-009AMSD**	SampType: **MSD**	Units: **mg/Kg-dry**	Prep Date: **9/16/2021**	RunNo: **69967**
Client ID: **A4-SIDE6:2**	Batch ID: **33722**		Analysis Date: **9/16/2021**	SeqNo: **1418727**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.15	0.0583	1.166	0	99.0	38.6	146	1.169	1.24	30	
Aroclor 1260	1.26	0.0583	1.166	0	108	24.6	161	1.191	5.53	30	
Surr: Decachlorobiphenyl	95.1		233.1		40.8	20.6	142		0		
Surr: Tetrachloro-m-xylene	152		233.1		65.3	22	157		0		

Work Order: 2109220
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1660-CCV-33720A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **9/16/2021**	RunNo: **69971**
Client ID: **CCV**	Batch ID: **33720**		Analysis Date: **9/16/2021**	SeqNo: **1418789**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.993	0.0500	1.000	0	99.3	80	120				
Aroclor 1260	1.06	0.0500	1.000	0	106	80	120				
Surr: Tetrachloro-m-xylene	208		200.0		104	58.8	143				

Sample ID: **1660-CCV-33722B**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **9/16/2021**	RunNo: **69967**
Client ID: **CCV**	Batch ID: **33722**		Analysis Date: **9/16/2021**	SeqNo: **1418729**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.02	0.0500	1.000	0	102	80	120				
Aroclor 1260	1.06	0.0500	1.000	0	106	80	120				
Surr: Decachlorobiphenyl	179		200.0		89.4	30.2	155				
Surr: Tetrachloro-m-xylene	208		200.0		104	58.8	143				

Sample ID: **1254-CCV-33720A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **9/16/2021**	RunNo: **69971**
Client ID: **CCV**	Batch ID: **33720**		Analysis Date: **9/16/2021**	SeqNo: **1418790**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.11	0.0500	1.000	0	111	80	120				
Surr: Tetrachloro-m-xylene	225		200.0		112	58.8	143				

Sample ID: **1254-CCV-33722B**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **9/16/2021**	RunNo: **69967**
Client ID: **CCV**	Batch ID: **33722**		Analysis Date: **9/16/2021**	SeqNo: **1418730**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.11	0.0500	1.000	0	111	80	120				
Surr: Decachlorobiphenyl	208		200.0		104	30.2	155				
Surr: Tetrachloro-m-xylene	225		200.0		112	58.8	143				

Work Order: 2109220
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **MB-33720** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/16/2021** RunNo: **69971**
Client ID: **MBLKS** Batch ID: **33720** Analysis Date: **9/16/2021** SeqNo: **1418791**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1221	ND	0.0500									
Aroclor 1232	ND	0.0500									
Aroclor 1242	ND	0.0500									
Aroclor 1248	ND	0.0500									
Aroclor 1254	ND	0.0500									
Aroclor 1260	ND	0.0500									
Aroclor 1262	ND	0.0500									
Aroclor 1268	ND	0.0500									
Total PCBs	ND	0.0500									
Surr: Decachlorobiphenyl	224		200.0		112	20.6	142				
Surr: Tetrachloro-m-xylene	248		200.0		124	22	157				

Sample ID: **LCS1-33720** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/16/2021** RunNo: **69971**
Client ID: **LCSS** Batch ID: **33720** Analysis Date: **9/16/2021** SeqNo: **1418792**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.02	0.0500	1.000	0	102	52.2	136				
Aroclor 1260	1.14	0.0500	1.000	0	114	50.5	150				
Surr: Decachlorobiphenyl	213		200.0		107	20.6	142				
Surr: Tetrachloro-m-xylene	240		200.0		120	22	157				

Sample ID: **LCS2-33720** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/16/2021** RunNo: **69971**
Client ID: **LCSS** Batch ID: **33720** Analysis Date: **9/16/2021** SeqNo: **1418793**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.14	0.0500	1.000	0	114	48.1	147				
Surr: Decachlorobiphenyl	229		200.0		114	20.6	142				
Surr: Tetrachloro-m-xylene	249		200.0		125	22	157				

Work Order: 2109220
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **LCS2-33720**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **9/16/2021**	RunNo: **69971**
Client ID: **LCSS**	Batch ID: **33720**		Analysis Date: **9/16/2021**	SeqNo: **1418793**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **2109220-021AMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **9/16/2021**	RunNo: **69971**
Client ID: **A4-SIDE100:2**	Batch ID: **33720**		Analysis Date: **9/16/2021**	SeqNo: **1418804**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.43	0.0569	1.138	0	126	38.6	146				
Aroclor 1260	1.45	0.0569	1.138	0	128	24.6	161				
Surr: Decachlorobiphenyl	210		227.5		92.3	20.6	142				
Surr: Tetrachloro-m-xylene	243		227.5		107	22	157				

Sample ID: **2109220-021AMSD**	SampType: **MSD**	Units: **mg/Kg-dry**	Prep Date: **9/16/2021**	RunNo: **69971**
Client ID: **A4-SIDE100:2**	Batch ID: **33720**		Analysis Date: **9/16/2021**	SeqNo: **1418805**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.69	0.0576	1.151	0	147	38.6	146	1.431	16.8	30	S
Aroclor 1260	1.61	0.0576	1.151	0	140	24.6	161	1.453	10.0	30	
Surr: Decachlorobiphenyl	227		230.3		98.5	20.6	142		0		
Surr: Tetrachloro-m-xylene	257		230.3		111	22	157		0		

NOTES:
S - Outlying spike recovery(ies) observed. A duplicate analysis was performed and recovered within range.

Sample ID: **1660-CCV-33720B**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **9/16/2021**	RunNo: **69971**
Client ID: **CCV**	Batch ID: **33720**		Analysis Date: **9/16/2021**	SeqNo: **1418806**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.00	0.0500	1.000	0	100	80	120				
Aroclor 1260	1.08	0.0500	1.000	0	108	80	120				
Surr: Tetrachloro-m-xylene	210		200.0		105	58.8	143				

Work Order: 2109220
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1254-CCV-33720B** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/16/2021** RunNo: **69971**
Client ID: **CCV** Batch ID: **33720** Analysis Date: **9/16/2021** SeqNo: **1418807**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.15	0.0500	1.000	0	115	80	120				
Surr: Tetrachloro-m-xylene	235		200.0		117	58.8	143				

Sample ID: **1660-CCV-33734A** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/17/2021** RunNo: **69988**
Client ID: **CCV** Batch ID: **33734** Analysis Date: **9/17/2021** SeqNo: **1418971**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.880	0.0500	1.000	0	88.0	80	120				
Aroclor 1260	0.980	0.0500	1.000	0	98.0	80	120				

Sample ID: **1254-CCV-33720C** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/17/2021** RunNo: **69971**
Client ID: **CCV** Batch ID: **33720** Analysis Date: **9/17/2021** SeqNo: **1418968**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.08	0.0500	1.000	0	108	80	120				
Surr: Tetrachloro-m-xylene	213		200.0		106	58.8	143				

Sample ID: **1254-CCV-33734A** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/17/2021** RunNo: **69988**
Client ID: **CCV** Batch ID: **33734** Analysis Date: **9/17/2021** SeqNo: **1418972**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.08	0.0500	1.000	0	108	80	120				

Sample ID: **MB-33734** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/17/2021** RunNo: **69988**
Client ID: **MBLKS** Batch ID: **33734** Analysis Date: **9/17/2021** SeqNo: **1418973**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									

Work Order: 2109220
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **MB-33734**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **9/17/2021**	RunNo: **69988**
Client ID: **MBLKS**	Batch ID: **33734**		Analysis Date: **9/17/2021**	SeqNo: **1418973**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1221	ND	0.0500									
Aroclor 1232	ND	0.0500									
Aroclor 1242	ND	0.0500									
Aroclor 1248	ND	0.0500									
Aroclor 1254	ND	0.0500									
Aroclor 1260	ND	0.0500									
Aroclor 1262	ND	0.0500									
Aroclor 1268	ND	0.0500									
Total PCBs	ND	0.0500									
Surr: Decachlorobiphenyl	249		200.0		124	20.6	142				
Surr: Tetrachloro-m-xylene	256		200.0		128	22	157				

Sample ID: **LCS1-33734**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **9/17/2021**	RunNo: **69988**
Client ID: **LCSS**	Batch ID: **33734**		Analysis Date: **9/17/2021**	SeqNo: **1418974**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.06	0.0500	1.000	0	106	52.2	136				
Aroclor 1260	1.08	0.0500	1.000	0	108	50.5	150				
Surr: Decachlorobiphenyl	219		200.0		109	20.6	142				
Surr: Tetrachloro-m-xylene	245		200.0		122	22	157				

Sample ID: **LCS2-33734**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **9/17/2021**	RunNo: **69988**
Client ID: **LCSS**	Batch ID: **33734**		Analysis Date: **9/17/2021**	SeqNo: **1418975**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.25	0.0500	1.000	0	125	48.1	147				
Surr: Decachlorobiphenyl	247		200.0		123	20.6	142				
Surr: Tetrachloro-m-xylene	255		200.0		128	22	157				

Work Order: 2109220
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **2109220-020AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/17/2021** RunNo: **69988**
Client ID: **A4-SIDE1:6** Batch ID: **33734** Analysis Date: **9/17/2021** SeqNo: **1418977**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.994	0.0394	0.7885	0	126	38.6	146				
Aroclor 1260	0.940	0.0394	0.7885	0	119	24.6	161				
Surr: Decachlorobiphenyl	113		157.7		71.8	20.6	142				
Surr: Tetrachloro-m-xylene	126		157.7		79.8	22	157				

Sample ID: **2109220-020AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/17/2021** RunNo: **69988**
Client ID: **A4-SIDE1:6** Batch ID: **33734** Analysis Date: **9/17/2021** SeqNo: **1418978**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.08	0.0406	0.8126	0	133	38.6	146	0.9945	8.22	30	
Aroclor 1260	1.12	0.0406	0.8126	0	138	24.6	161	0.9398	17.6	30	
Surr: Decachlorobiphenyl	134		162.5		82.5	20.6	142		0		
Surr: Tetrachloro-m-xylene	144		162.5		88.4	22	157		0		

Sample ID: **1660-CCV-33734B** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/17/2021** RunNo: **69988**
Client ID: **CCV** Batch ID: **33734** Analysis Date: **9/17/2021** SeqNo: **1418979**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.849	0.0500	1.000	0	84.9	80	120				
Aroclor 1260	0.905	0.0500	1.000	0	90.5	80	120				

Sample ID: **1254-CCV-33720C** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/17/2021** RunNo: **69971**
Client ID: **CCV** Batch ID: **33720** Analysis Date: **9/17/2021** SeqNo: **1418970**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.871	0.0500	1.000	0	87.1	80	120				
Surr: Tetrachloro-m-xylene	192		200.0		95.8	58.8	143				

Work Order: 2109220
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1254-CCV-33734B** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/17/2021** RunNo: **69988**
Client ID: **CCV** Batch ID: **33734** Analysis Date: **9/17/2021** SeqNo: **1418980**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.870	0.0500	1.000	0	87.0	80	120				

Sample ID: **1660-CCV-33734C** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/17/2021** RunNo: **69988**
Client ID: **CCV** Batch ID: **33734** Analysis Date: **9/17/2021** SeqNo: **1419233**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.806	0.0500	1.000	0	80.6	80	120				
Aroclor 1260	0.889	0.0500	1.000	0	88.9	80	120				

Sample ID: **1254-CCV-33734C** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/17/2021** RunNo: **69988**
Client ID: **CCV** Batch ID: **33734** Analysis Date: **9/17/2021** SeqNo: **1419247**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.973	0.0500	1.000	0	97.3	80	120				

Sample ID: **1660-CCV-33734D** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/17/2021** RunNo: **69988**
Client ID: **CCV** Batch ID: **33734** Analysis Date: **9/17/2021** SeqNo: **1419239**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.921	0.0500	1.000	0	92.1	80	120				
Aroclor 1260	0.955	0.0500	1.000	0	95.5	80	120				

Sample ID: **1254-CCV-33734D** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/17/2021** RunNo: **69988**
Client ID: **CCV** Batch ID: **33734** Analysis Date: **9/17/2021** SeqNo: **1419248**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.08	0.0500	1.000	0	108	80	120				

Sample Log-In Check List

Client Name:	**SW**	Work Order Number:	**2109220**
Logged by:	**Gabrielle Coeuille**	Date Received:	**9/15/2021 5:46:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
6.	Was an attempt made to cool the samples?	Yes ☐	No ☑	NA ☐
		Unknown prior to receipt		
7.	Were all items received at a temperature of >2°C to 6°C *	Yes ☐	No ☐	NA ☑
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	22.9

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 9/15/21 | Page: 1 of 43 | Laboratory Project No (internal): 2109220

Special Remarks: Refer to project methods and reporting limits.

Project Name: 8801- Excavations

Project No: 103485-008

Client: Shannon & Wilson

Address: 400 N. 34th Street, Suite 100

City, State, Zip: Seattle, WA 98103

Telephone:

Fax:

Collected by: Ryan Peterson

Location: Tukwila, WA

Report To (PM): Ryan Peterson

PM Email: RBP@shanwil.com

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	A4-SIDE4:2	9/15/21	1400	Soil	1							X	X				
2	A4-SIDE4:6		1402		1							X	X				
3	A4-SIDE3:2		1430		1							X	X				
4	A4-SIDE3:6		1432		1							X	X				
5	A4-SIDE2:2		1500		1							X	X				
6	A4-SIDE2:6		1504		1							X	X				
7	A4-SIDE5:2		1510		1							X	X				
8	A4-SIDE5:6		1515		1							X	X				Has petroleum odor
9	A4-SIDE6:2		1530		1							X	X				
10	A4-SIDE6:6		1532		1							X	X				

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time: ☐ Standard ☐ Next Day ☐ 3 Day ☐ Same Day ☒ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Ryan Peterson	9/15/21 1630	x	Alaina Bash	9/15/21 17:46
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9/15/21 Page: 2 of: 3

Laboratory Project No (internal): 2109220

Project Name: 8801-Excavation

Special Remarks:

Project No: 103485-008

Client: Shannon & Wilson

Collected by: Ryan Peterson

Address: 400 N 34th St, Suite 100

Location: Tukwila, WA

City, State, Zip: Seattle, WA 98103

Report To (PM): Ryan Peterson

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Telephone:

Fax:

PM Email:

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	A4-SIDE7:2	9/15/21	1540	Soil	1							X	X				
2	A4-SIDE7:6		1542									X	X				
3	A4-SIDE8:2		1545									X	X				
4	A4-SIDE8:6		1547									X	X				
5	A4-SIDE9:2		1550									X	X				
6	A4-SIDE9:6		1552									X	X				
7	A4-SIDE10:2		1555									X	X				
8	A4-SIDE10:6		1557									X	X				
9	~~A4-SIDE2:2~~ A4-SIDE1:2		1600									X	X				
10	A4-SIDE1:6		1605									X	✓				

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☒ 2 Day _____ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Ryan Peterson	9/15/21 1630	x	Alanna B	9/15/21 1746
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 9/15/21 Page: 3 of: 3

Laboratory Project No (internal): 2109220

Project Name: to 8801 - Excavations

Special Remarks:

Client: Shannon & Wilson

Project No: 103485-008

Address: 400 N. 34th Street, Suite 100

Collected by: Ryan Peterson

City, State, Zip: Seattle, WA 98103

Location: Tukwila, WA

Telephone:

Report To (PM): Ryan Peterson

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax:

PM Email: RSP@shannonwilson.com

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	A4-SIDE100:2	9/15/21	1630	Soil	1								X	X			
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☒ 2 Day ____ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	RYAN PETERSON	9/15/21 1650	x		9/15/21 1746
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Page 54 of 139

DATA SET for Review -- Deliverable Requirements

Polychlorinated Biphenyls (PCB) by EPA 8082

Fremont Analytical Work Order No. 2109220

Shannon & Wilson

Project Name: 8801 - Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information

Injection Log

Data Directory: D:\GC-16\Data\2021\082421\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	082401.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 11:09 am
2)	082402.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 11:18 am
3)	082403.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 11:28 am
4)	082404.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 11:38 am
5)	082405.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 11:51 am
6)	082406.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 12:01 pm
7)	082407.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 12:11 pm
8)	082408.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 12:20 pm
9)	082409.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 12:30 pm
10)	082410.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 12:40 pm
11)	082411.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 12:50 pm
12)	082412.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 12:59 pm
13)	082413.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 01:42 pm
14)	082414.D	PCB_PEST_25PARAMS_200923.M			
1660	10		31	1.000	24 Aug 2021 01:52 pm
15)	082415.D	PCB_PEST_25PARAMS_200923.M			
1660	20		32	1.000	24 Aug 2021 02:02 pm
16)	082416.D	PCB_PEST_25PARAMS_200923.M			
1660	50		33	1.000	24 Aug 2021 02:12 pm
17)	082417.D	PCB_PEST_25PARAMS_200923.M			
1660	100		34	1.000	24 Aug 2021 02:21 pm
18)	082418.D	PCB_PEST_25PARAMS_200923.M			
1660	200		35	1.000	24 Aug 2021 02:31 pm
19)	082419.D	PCB_PEST_25PARAMS_200923.M			
1660	500		36	1.000	24 Aug 2021 02:41 pm
20)	082420.D	PCB_PEST_25PARAMS_200923.M			
1660	1000		37	1.000	24 Aug 2021 02:51 pm
21)	082421.D	PCB_PEST_25PARAMS_200923.M			
1660	2000		38	1.000	24 Aug 2021 03:01 pm

```
 22) 082422.D              PCB_PEST_25PARAMS_200923.M
1660 ICB                                39    1.000     24 Aug 2021  03:10 pm
  ----------------------------------------------------------------------------
 23) 082423.D              PCB_PEST_25PARAMS_200923.M
1660 ICV                                40    1.000     24 Aug 2021  03:20 pm
  ----------------------------------------------------------------------------
 24) 082424.D              PCB_PEST_25PARAMS_200923.M
1254 10                                 41    1.000     24 Aug 2021  03:30 pm
  ----------------------------------------------------------------------------
 25) 082425.D              PCB_PEST_25PARAMS_200923.M
1254 20                                 42    1.000     24 Aug 2021  03:40 pm
  ----------------------------------------------------------------------------
 26) 082426.D              PCB_PEST_25PARAMS_200923.M
1254 50                                 43    1.000     24 Aug 2021  03:49 pm
  ----------------------------------------------------------------------------
 27) 082427.D              PCB_PEST_25PARAMS_200923.M
1254 100                                44    1.000     24 Aug 2021  03:59 pm
  ----------------------------------------------------------------------------
 28) 082428.D              PCB_PEST_25PARAMS_200923.M
1254 200                                45    1.000     24 Aug 2021  04:09 pm
  ----------------------------------------------------------------------------
 29) 082429.D              PCB_PEST_25PARAMS_200923.M
1254 500                                46    1.000     24 Aug 2021  04:19 pm
  ----------------------------------------------------------------------------
 30) 082430.D              PCB_PEST_25PARAMS_200923.M
1254 1000                               47    1.000     24 Aug 2021  04:29 pm
  ----------------------------------------------------------------------------
 31) 082431.D              PCB_PEST_25PARAMS_200923.M
1254 2000                               48    1.000     24 Aug 2021  04:38 pm
  ----------------------------------------------------------------------------
 32) 082432.D              PCB_PEST_25PARAMS_200923.M
1254 ICB                                49    1.000     24 Aug 2021  04:48 pm
  ----------------------------------------------------------------------------
 33) 082433.D              PCB_PEST_25PARAMS_200923.M
1254 ICV                                50    1.000     24 Aug 2021  04:58 pm
  ----------------------------------------------------------------------------
 34) 082503.D              PCB_PEST_25PARAMS_200923.M
1254-CCV-                                7    1.000     25 Aug 2021  08:45 am
  ----------------------------------------------------------------------------
```

Injection Log

Data Directory: D:\GC-16\Data\2021\082521\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 082528.D	PCB_PEST_25PARAMS_200923.M			
No data found		0.000	N/A	
2) 082501.D	PCB_PEST_25PARAMS_200923.M			
CO		6	1.000	25 Aug 2021 08:25 am
3) 082502.D	PCB_PEST_25PARAMS_200923.M			
1660-CCV-		6	1.000	25 Aug 2021 08:35 am
4) 082503.D	PCB_PEST_25PARAMS_200923.M			
1254-CCV-		7	1.000	25 Aug 2021 08:45 am
5) 082504.D	PCB_PEST_25PARAMS_200923.M			
CO		40	1.000	25 Aug 2021 08:55 am
6) 082505.D	PCB_PEST_25PARAMS_200923.M			
1660 10		31	1.000	25 Aug 2021 09:04 am
7) 082506.D	PCB_PEST_25PARAMS_200923.M			
1660 20		32	1.000	25 Aug 2021 09:14 am
8) 082507.D	PCB_PEST_25PARAMS_200923.M			
1660 50		33	1.000	25 Aug 2021 09:24 am
9) 082508.D	PCB_PEST_25PARAMS_200923.M			
1660 100		34	1.000	25 Aug 2021 09:34 am
10) 082509.D	PCB_PEST_25PARAMS_200923.M			
1660 200		35	1.000	25 Aug 2021 09:44 am
11) 082510.D	PCB_PEST_25PARAMS_200923.M			
1660 500		36	1.000	25 Aug 2021 09:53 am
12) 082511.D	PCB_PEST_25PARAMS_200923.M			
1660 1000		37	1.000	25 Aug 2021 10:03 am
13) 082512.D	PCB_PEST_25PARAMS_200923.M			
1660 2000		38	1.000	25 Aug 2021 10:13 am
14) 082513.D	PCB_PEST_25PARAMS_200923.M			
1660 ICB		39	1.000	25 Aug 2021 10:23 am
15) 082514.D	PCB_PEST_25PARAMS_200923.M			
1660 ICV		40	1.000	25 Aug 2021 10:33 am
16) 082515.D	PCB_PEST_25PARAMS_200923.M			
CO		6	1.000	25 Aug 2021 10:54 am
17) 082516.D	PCB_PEST_25PARAMS_200923.M			
1660-CCV-33456A		6	1.000	25 Aug 2021 11:03 am
18) 082517.D	PCB_PEST_25PARAMS_200923.M			
1254-CCV-33456A		7	1.000	25 Aug 2021 11:13 am
19) 082518.D	PCB_PEST_25PARAMS_200923.M			
MB-33456		21	1.000	25 Aug 2021 11:23 am
20) 082519.D	PCB_PEST_25PARAMS_200923.M			
LCS1-33456		22	1.000	25 Aug 2021 11:33 am
21) 082520.D	PCB_PEST_25PARAMS_200923.M			
LCS2-33456		23	1.000	25 Aug 2021 11:43 am

```
 22) 082521.D              PCB_PEST_25PARAMS_200923.M
2108288-001A                            24    1.000     25 Aug 2021  11:52 am
  ----------------------------------------------------------------------------
 23) 082522.D              PCB_PEST_25PARAMS_200923.M
2108288-001AMS                          25    1.000     25 Aug 2021  12:02 pm
  ----------------------------------------------------------------------------
 24) 082523.D              PCB_PEST_25PARAMS_200923.M
2108288-001AMSD                         26    1.000     25 Aug 2021  12:12 pm
  ----------------------------------------------------------------------------
 25) 082524.D              PCB_PEST_25PARAMS_200923.M
2108288-005A                            27    1.000     25 Aug 2021  12:22 pm
  ----------------------------------------------------------------------------
 26) 082525.D              PCB_PEST_25PARAMS_200923.M
2108288-019A                            28    1.000     25 Aug 2021  12:32 pm
  ----------------------------------------------------------------------------
 27) 082526.D              PCB_PEST_25PARAMS_200923.M
2108288-021A                            29    1.000     25 Aug 2021  12:41 pm
  ----------------------------------------------------------------------------
 28) 082527.D              PCB_PEST_25PARAMS_200923.M
2108288-022A                            30    1.000     25 Aug 2021  12:51 pm
  ----------------------------------------------------------------------------
```

Injection Log

Data Directory: D:\GC-16\Data\2021\091621\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 091601.D	PCB_PEST_25PARAMS_200923.M			
CO		6	1.000	16 Sep 2021 12:23 pm
2) 091602.D	PCB_PEST_25PARAMS_200923.M			
1660-CCV-		6	1.000	16 Sep 2021 12:33 pm
3) 091603.D	PCB_PEST_25PARAMS_200923.M			
1254-CCV-		7	1.000	16 Sep 2021 12:43 pm
4) 091604.D	PCB_PEST_25PARAMS_200923.M			
MB-33722		11	1.000	16 Sep 2021 01:32 pm
5) 091605.D	PCB_PEST_25PARAMS_200923.M			
LCS1-33722		12	1.000	16 Sep 2021 01:41 pm
6) 091606.D	PCB_PEST_25PARAMS_200923.M			
LCS2-33722		13	1.000	16 Sep 2021 01:51 pm
7) 091607.D	PCB_PEST_25PARAMS_200923.M			
2109220-001A		14	1.000	16 Sep 2021 02:01 pm
8) 091608.D	PCB_PEST_25PARAMS_200923.M			
2109220-002A		15	1.000	16 Sep 2021 02:11 pm
9) 091609.D	PCB_PEST_25PARAMS_200923.M			
2109220-003A		16	1.000	16 Sep 2021 02:21 pm
10) 091610.D	PCB_PEST_25PARAMS_200923.M			
2109220-004A		17	1.000	16 Sep 2021 02:30 pm
11) 091611.D	PCB_PEST_25PARAMS_200923.M			
2109220-005A		18	1.000	16 Sep 2021 02:40 pm
12) 091612.D	PCB_PEST_25PARAMS_200923.M			
2109220-006A		19	1.000	16 Sep 2021 02:50 pm
13) 091613.D	PCB_PEST_25PARAMS_200923.M			
2109220-007A		20	1.000	16 Sep 2021 03:00 pm
14) 091614.D	PCB_PEST_25PARAMS_200923.M			
2109220-008A		21	1.000	16 Sep 2021 03:09 pm
15) 091615.D	PCB_PEST_25PARAMS_200923.M			
2109220-009A		22	1.000	16 Sep 2021 03:19 pm
16) 091616.D	PCB_PEST_25PARAMS_200923.M			
2109220-009AMS		23	1.000	16 Sep 2021 03:29 pm
17) 091617.D	PCB_PEST_25PARAMS_200923.M			
2109220-009AMSD		24	1.000	16 Sep 2021 03:39 pm
18) 091618.D	PCB_PEST_25PARAMS_200923.M			
2109220-010A		25	1.000	16 Sep 2021 03:49 pm
19) 091619.D	PCB_PEST_25PARAMS_200923.M			
1660-CCV-33722B		6	1.000	16 Sep 2021 03:59 pm
20) 091620.D	PCB_PEST_25PARAMS_200923.M			
1254-CCV-33722B		7	1.000	16 Sep 2021 04:08 pm
21) 091621.D	PCB_PEST_25PARAMS_200923.M			
MB-33720		31	1.000	16 Sep 2021 04:19 pm

22) 091622.D PCB_PEST_25PARAMS_200923.M
LCS1-33720 32 1.000 16 Sep 2021 04:28 pm

23) 091623.D PCB_PEST_25PARAMS_200923.M
LCS2-33720 33 1.000 16 Sep 2021 04:38 pm

24) 091624.D PCB_PEST_25PARAMS_200923.M
2109220-011A 34 1.000 16 Sep 2021 04:48 pm

25) 091625.D PCB_PEST_25PARAMS_200923.M
2109220-012A 35 1.000 16 Sep 2021 04:58 pm

26) 091626.D PCB_PEST_25PARAMS_200923.M
2109220-013A 36 1.000 16 Sep 2021 05:08 pm

27) 091627.D PCB_PEST_25PARAMS_200923.M
2109220-014A 37 1.000 16 Sep 2021 05:17 pm

28) 091628.D PCB_PEST_25PARAMS_200923.M
2109220-015A 38 1.000 16 Sep 2021 05:27 pm

29) 091629.D PCB_PEST_25PARAMS_200923.M
2109220-016A 39 1.000 16 Sep 2021 05:37 pm

30) 091630.D PCB_PEST_25PARAMS_200923.M
2109220-017A 40 1.000 16 Sep 2021 05:47 pm

31) 091631.D PCB_PEST_25PARAMS_200923.M
2109220-018A 41 1.000 16 Sep 2021 05:57 pm

32) 091632.D PCB_PEST_25PARAMS_200923.M
2109220-019A 42 1.000 16 Sep 2021 06:06 pm

33) 091633.D PCB_PEST_25PARAMS_200923.M
2109220-020A 43 1.000 16 Sep 2021 06:16 pm

34) 091634.D PCB_PEST_25PARAMS_200923.M
2109220-021A 44 1.000 16 Sep 2021 06:26 pm

35) 091635.D PCB_PEST_25PARAMS_200923.M
2109220-021AMS 45 1.000 16 Sep 2021 06:36 pm

36) 091636.D PCB_PEST_25PARAMS_200923.M
2109220-021AMSD 46 1.000 16 Sep 2021 06:46 pm

37) 091637.D PCB_PEST_25PARAMS_200923.M
1660-CCV-33720B 6 1.000 16 Sep 2021 06:55 pm

38) 091638.D PCB_PEST_25PARAMS_200923.M
1254-CCV-33720B 7 1.000 16 Sep 2021 07:05 pm

39) 091639.D PCB_PEST_25PARAMS_200923.M
CO 43 1.000 17 Sep 2021 09:21 am

40) 091640.D PCB_PEST_25PARAMS_200923.M
1660-CCV- 6 1.000 17 Sep 2021 09:40 am

41) 091641.D PCB_PEST_25PARAMS_200923.M
1254-CCV- 7 1.000 17 Sep 2021 09:50 am

42) 091642.D PCB_PEST_25PARAMS_200923.M
2109220-012A 10X 1 1.000 17 Sep 2021 10:47 am

43) 091643.D PCB_PEST_25PARAMS_200923.M
MB-33734 51 1.000 17 Sep 2021 12:31 pm

44) 091644.D PCB_PEST_25PARAMS_200923.M
LCS1-33734 52 1.000 17 Sep 2021 12:40 pm

45) 091645.D PCB_PEST_25PARAMS_200923.M

LCS2-33734 53 1.000 17 Sep 2021 12:50 pm

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46) 091646.D PCB_PEST_25PARAMS_200923.M
2109220-020A 54 1.000 17 Sep 2021 01:00 pm

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47) 091647.D PCB_PEST_25PARAMS_200923.M
2109220-020AMS 55 1.000 17 Sep 2021 01:10 pm

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48) 091648.D PCB_PEST_25PARAMS_200923.M
2109220-020AMSD 56 1.000 17 Sep 2021 01:19 pm

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49) 091649.D PCB_PEST_25PARAMS_200923.M
1660-CCV- 6 1.000 17 Sep 2021 01:29 pm

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50) 091650.D PCB_PEST_25PARAMS_200923.M
1254-CCV- 7 1.000 17 Sep 2021 01:39 pm

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51) 091651.D PCB_PEST_25PARAMS_200923.M
2109204-001A 57 1.000 17 Sep 2021 01:49 pm

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52) 091652.D PCB_PEST_25PARAMS_200923.M
AB IDC 1 58 1.000 17 Sep 2021 01:59 pm

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53) 091653.D PCB_PEST_25PARAMS_200923.M
AB IDC 2 59 1.000 17 Sep 2021 02:08 pm

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54) 091654.D PCB_PEST_25PARAMS_200923.M
1660-CCV- 6 1.000 17 Sep 2021 02:18 pm

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55) 091655.D PCB_PEST_25PARAMS_200923.M
1254-CCV- 7 1.000 17 Sep 2021 02:28 pm

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56) 091656.D PCB_PEST_25PARAMS_200923.M
CO 6 1.000 17 Sep 2021 04:05 pm

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57) 091657.D PCB_PEST_25PARAMS_200923.M
1660-CCV- 6 1.000 17 Sep 2021 04:15 pm

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58) 091658.D PCB_PEST_25PARAMS_200923.M
1254-CCV- 7 1.000 17 Sep 2021 04:25 pm

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59) 091659.D PCB_PEST_25PARAMS_200923.M
2109204-001A 10X 60 1.000 17 Sep 2021 04:34 pm

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60) 091660.D PCB_PEST_25PARAMS_200923.M
AB IDC 1 58 1.000 17 Sep 2021 04:44 pm

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61) 091661.D PCB_PEST_25PARAMS_200923.M
AB IDC 2 59 1.000 17 Sep 2021 04:54 pm

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62) 091662.D PCB_PEST_25PARAMS_200923.M
2109218-001A 131 1.000 17 Sep 2021 05:04 pm

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63) 091663.D PCB_PEST_25PARAMS_200923.M
2109218-002A 132 1.000 17 Sep 2021 05:14 pm

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64) 091664.D PCB_PEST_25PARAMS_200923.M
CO 6 1.000 17 Sep 2021 05:23 pm

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65) 091665.D PCB_PEST_25PARAMS_200923.M
CO 7 1.000 17 Sep 2021 05:33 pm

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66) 091666.D PCB_PEST_25PARAMS_200923.M
CO 6 1.000 17 Sep 2021 05:43 pm

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67) 091667.D PCB_PEST_25PARAMS_200923.M
CO 7 1.000 17 Sep 2021 05:53 pm

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68) 091668.D PCB_PEST_25PARAMS_200923.M
1660-CCV- 6 1.000 17 Sep 2021 06:02 pm

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 69) 091669.D              PCB_PEST_25PARAMS_200923.M
1254-CCV-                                  7    1.000     17 Sep 2021  06:12 pm
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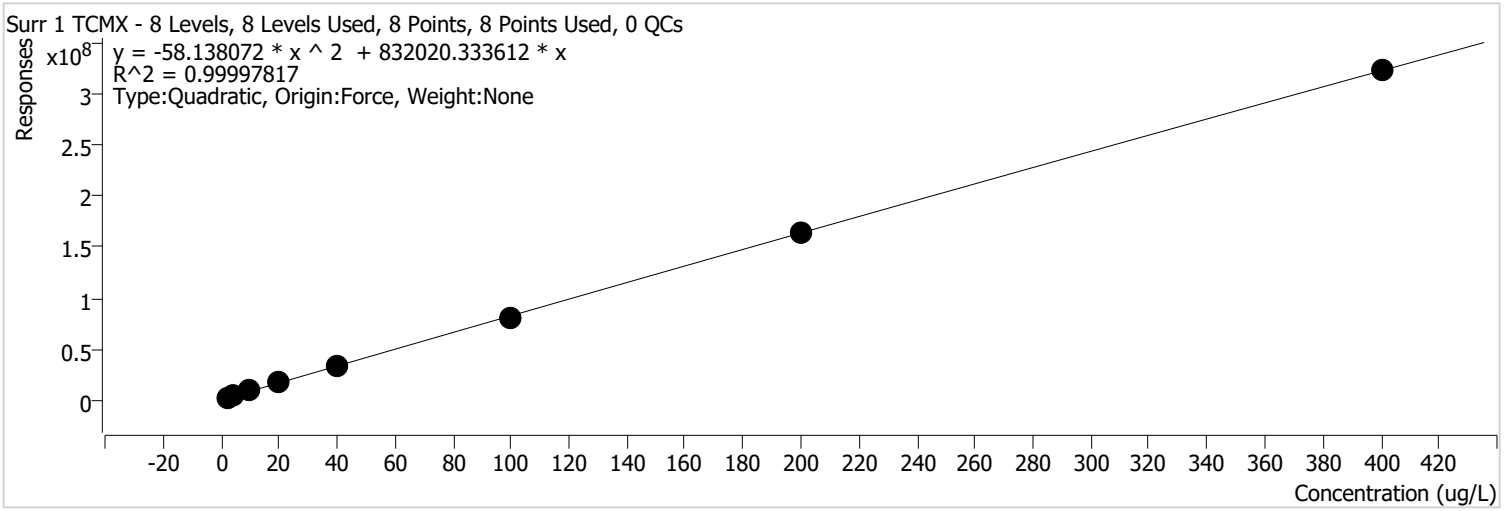
Calibration

Calibration Report

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:54 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

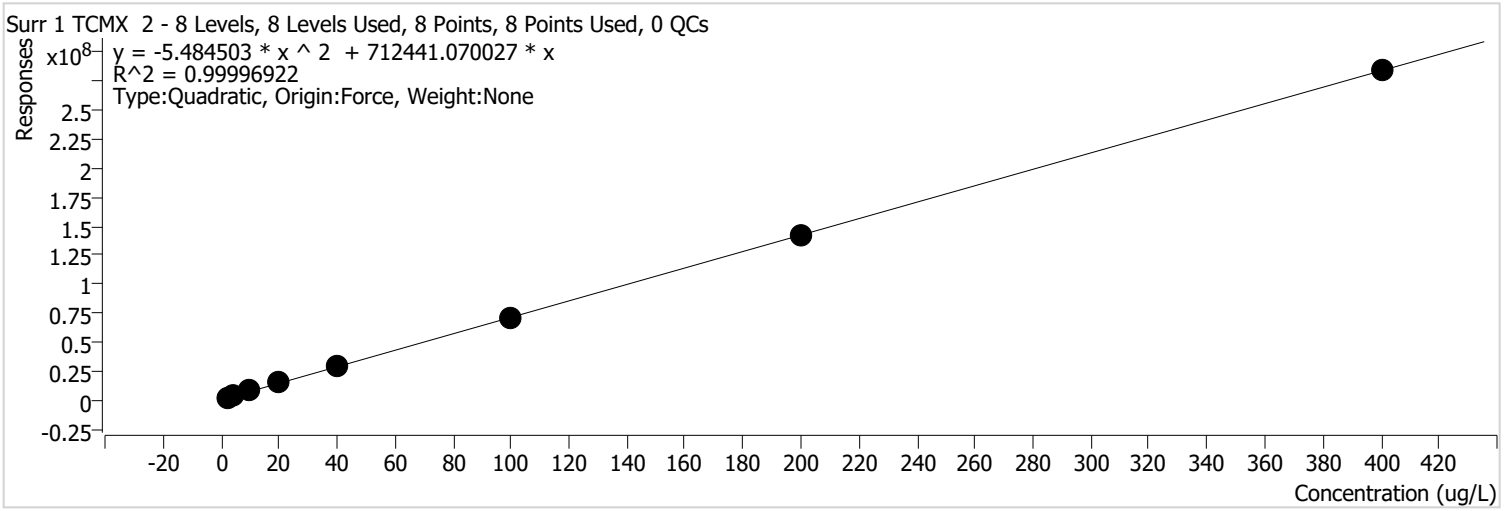
Surr 1 TCMX %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082421\082424.D	Calibration	1	x	1859670	2.0000	929834.9754	
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	3679208	4.0000	919802.0363	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	8609219	10.0000	860921.8588	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	17048741	20.0000	852437.0677	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	33820225	40.0000	845505.6248	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	81635271	100.0000	816352.7136	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	164461317	200.0000	822306.5852	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	323464307	400.0000	808660.7681	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

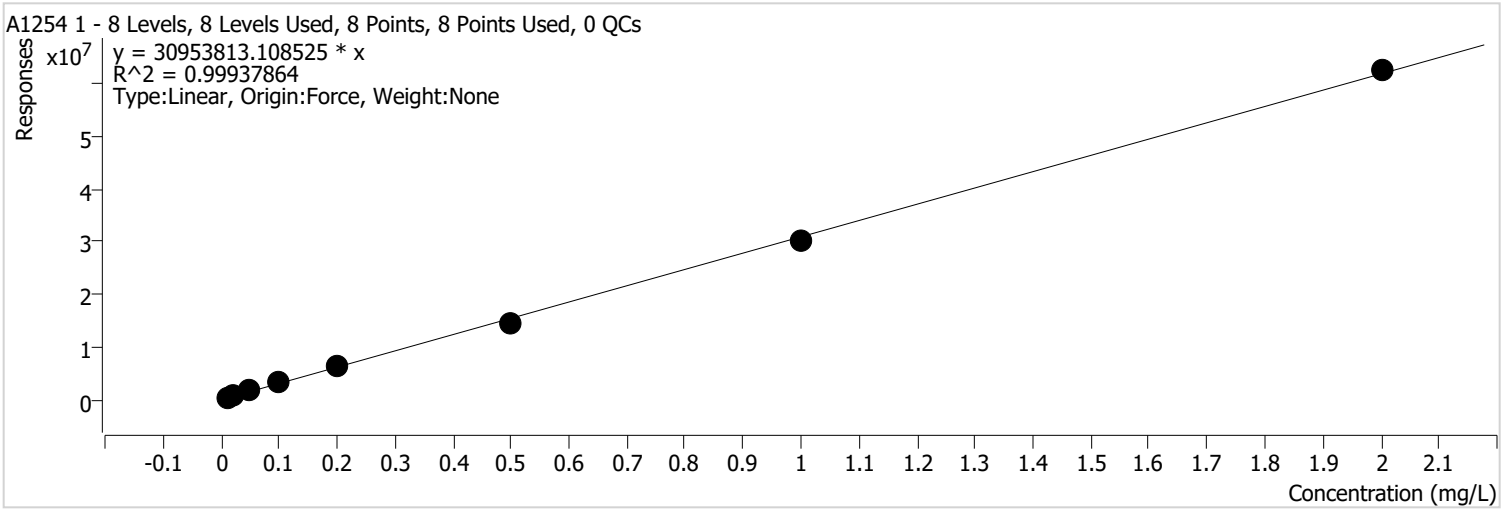
Surr 1 TCMX 2 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082421\082424.D	Calibration	1	x	1660332	2.0000	830165.9776	
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	3186724	4.0000	796680.9040	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	7361985	10.0000	736198.4611	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	14626897	20.0000	731344.8657	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	29105258	40.0000	727631.4419	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	70117986	100.0000	701179.8578	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	142736889	200.0000	713684.4473	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	284041545	400.0000	710103.8634	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

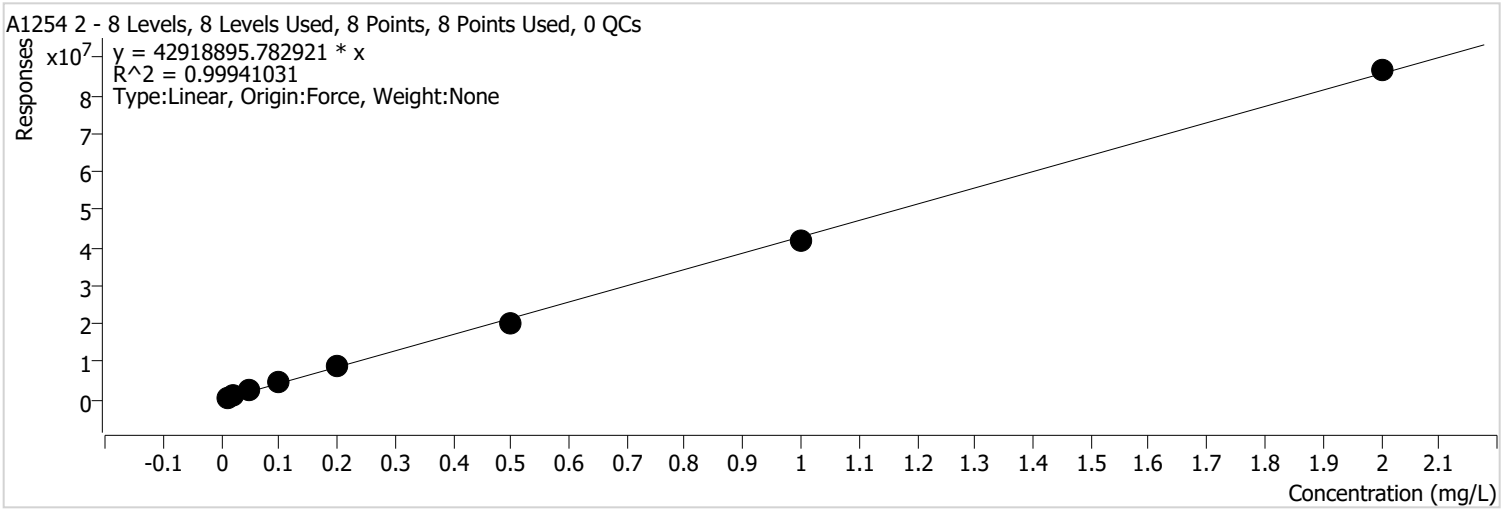
A1254 1 %RSE = 18.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082421\082424.D	Calibration	1	x	418512	0.0100	41851246.4162	
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	778679	0.0200	38933933.4063	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	1706935	0.0500	34138696.4515	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	3359446	0.1000	33594464.7836	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	6496504	0.2000	32482521.0796	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	14506240	0.5000	29012480.5557	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	30209659	1.0000	30209658.9072	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	62472470	2.0000	31236235.2346	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

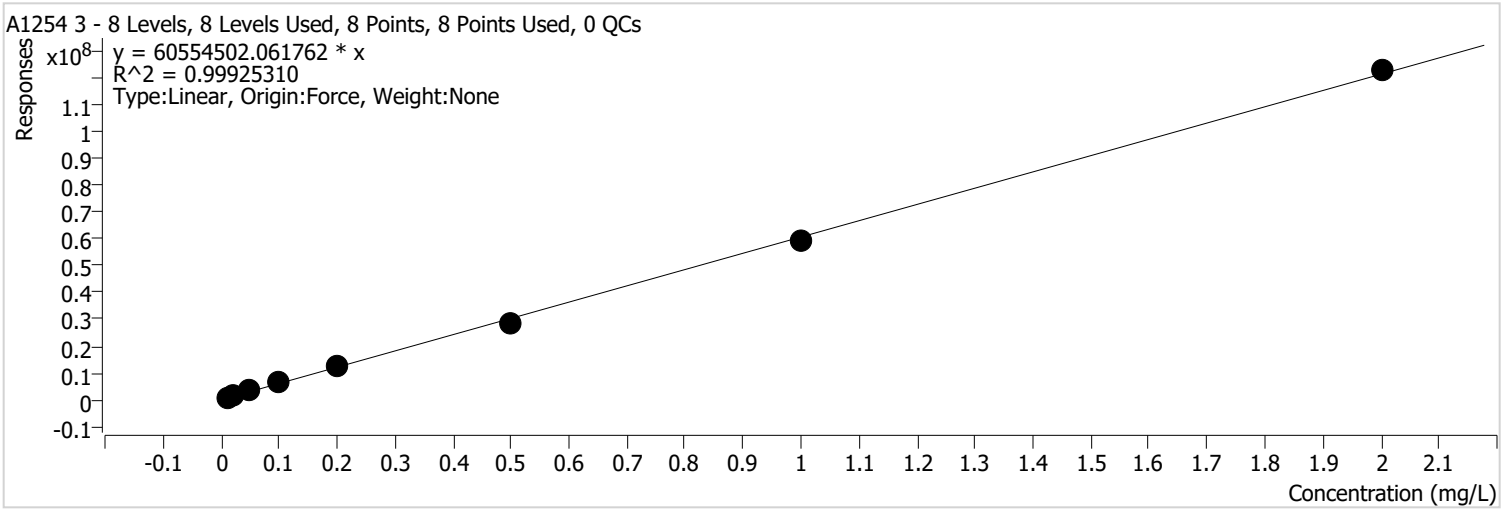
A1254 2 %RSE = 13.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082421\082424.D	Calibration	1	x	522227	0.0100	52222688.9436	
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	1045519	0.0200	52275938.8437	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	2327042	0.0500	46540835.1970	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	4657192	0.1000	46571916.0184	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	8924432	0.2000	44622160.6972	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	20088535	0.5000	40177069.6235	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	41952089	1.0000	41952089.0662	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	86604729	2.0000	43302364.3861	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

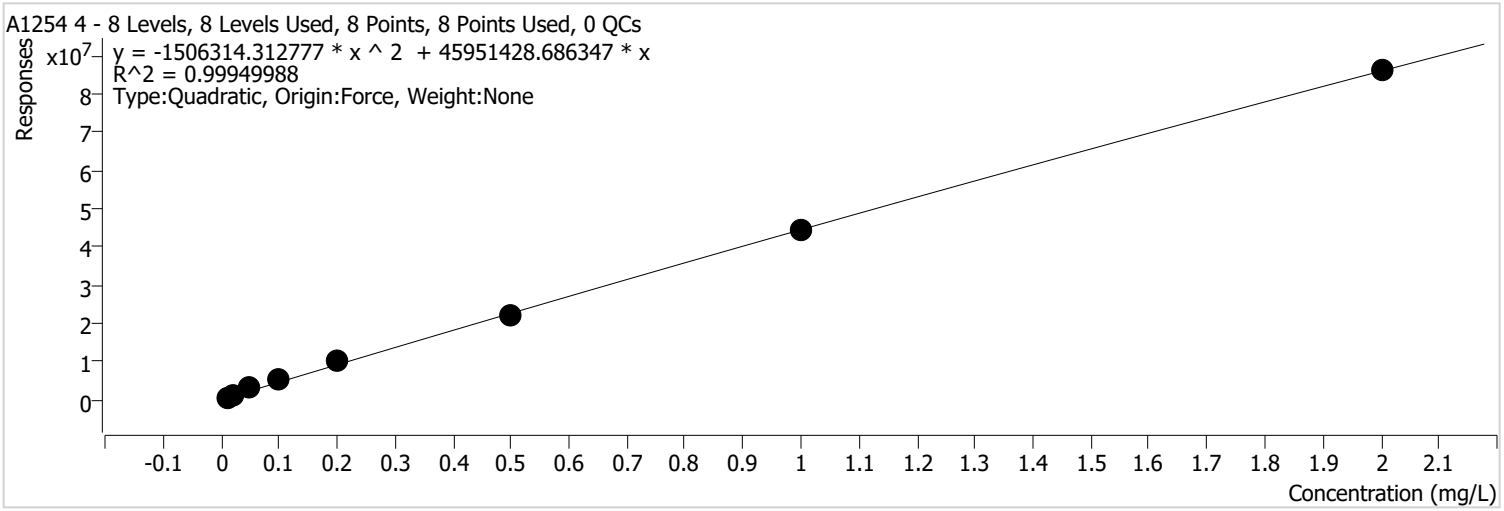
A1254 3 %RSE = 15.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082421\082424.D	Calibration	1	x	718441	0.0100	71844119.8269	
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	1502988	0.0200	75149378.4829	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	3590509	0.0500	71810185.3814	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	6667497	0.1000	66674973.5967	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	12680705	0.2000	63403523.2903	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	28307201	0.5000	56614401.1690	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	58860340	1.0000	58860340.1153	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	122343462	2.0000	61171730.9329	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 4 %RSE = 23.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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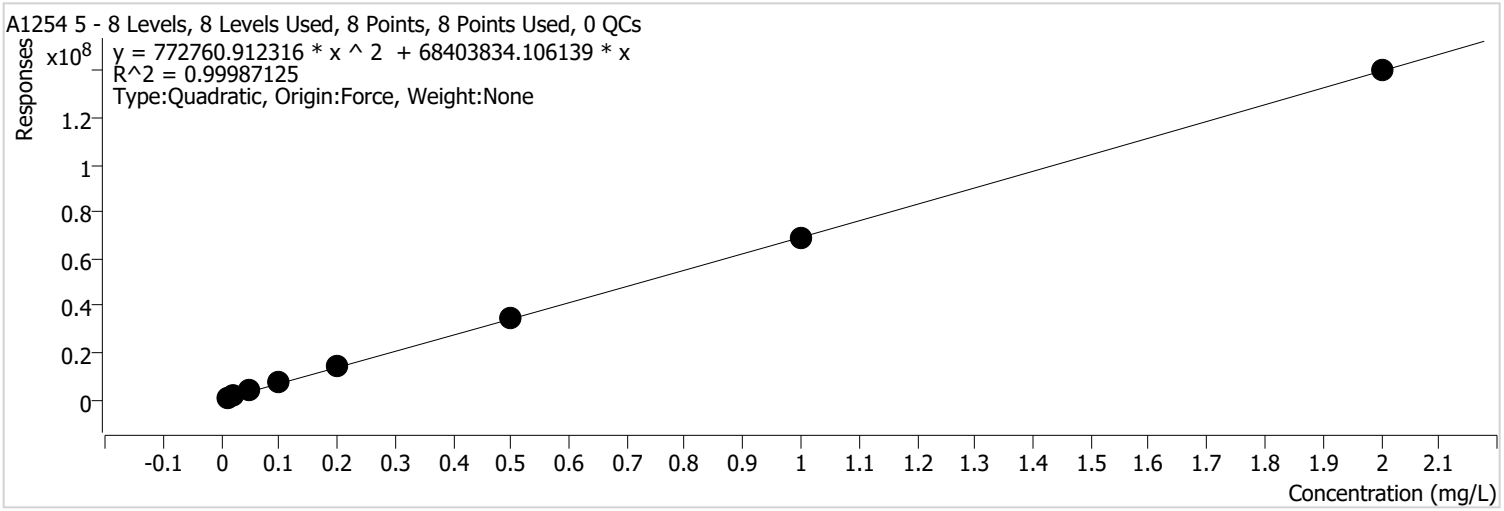
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	1091150	0.0200	54557513.9551	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	3193091	0.0500	63861819.9046	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	5577882	0.1000	55778816.1059	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	10044963	0.2000	50224817.4509	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	21944291	0.5000	43888582.6835	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	44321204	1.0000	44321203.9751	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	85937280	2.0000	42968640.1981	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 5 %RSE = 10.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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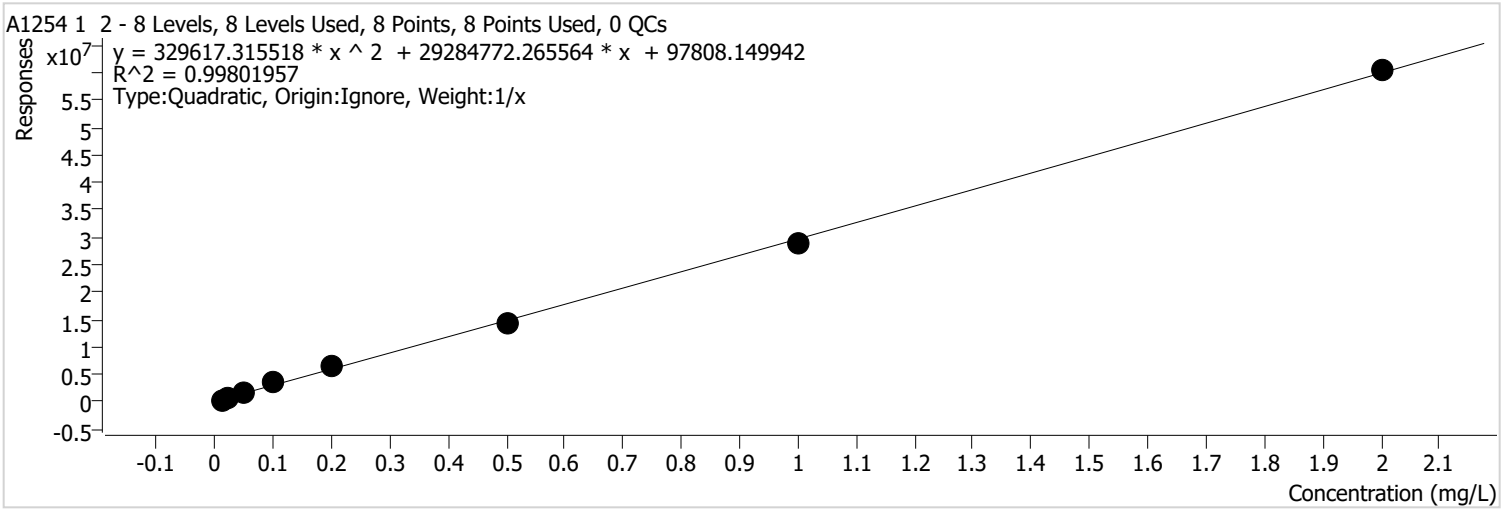
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	1525614	0.0200	76280682.5000	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	3887643	0.0500	77752857.3655	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	7023559	0.1000	70235587.0000	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	14893910	0.2000	74469550.5451	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	34569457	0.5000	69138914.9727	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	68533929	1.0000	68533928.8626	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	140035912	2.0000	70017956.0982	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

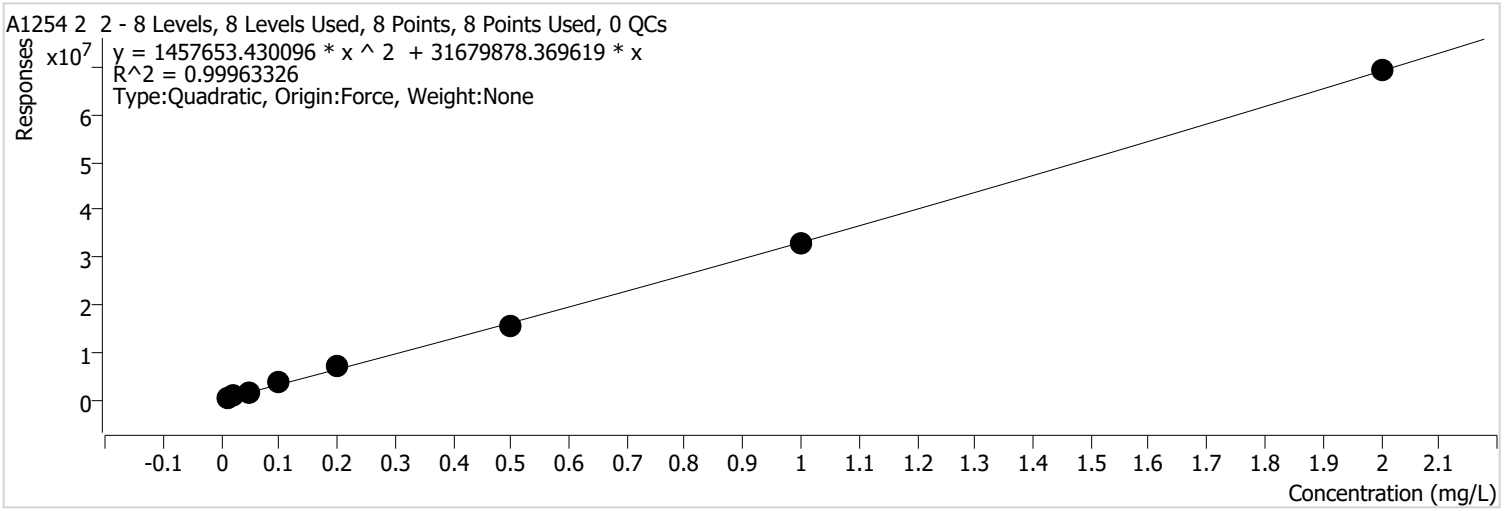
A1254 1 2 %RSE = 11.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082421\082424.D	Calibration	1	x	356300	0.0100	35630024.7137	
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	663546	0.0200	33177315.0000	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	1468151	0.0500	29363015.0000	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	3605397	0.1000	36053967.1140	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	6446736	0.2000	32233678.4462	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	14115670	0.5000	28231339.2650	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	29109637	1.0000	29109637.1842	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	60389906	2.0000	30194952.8498	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

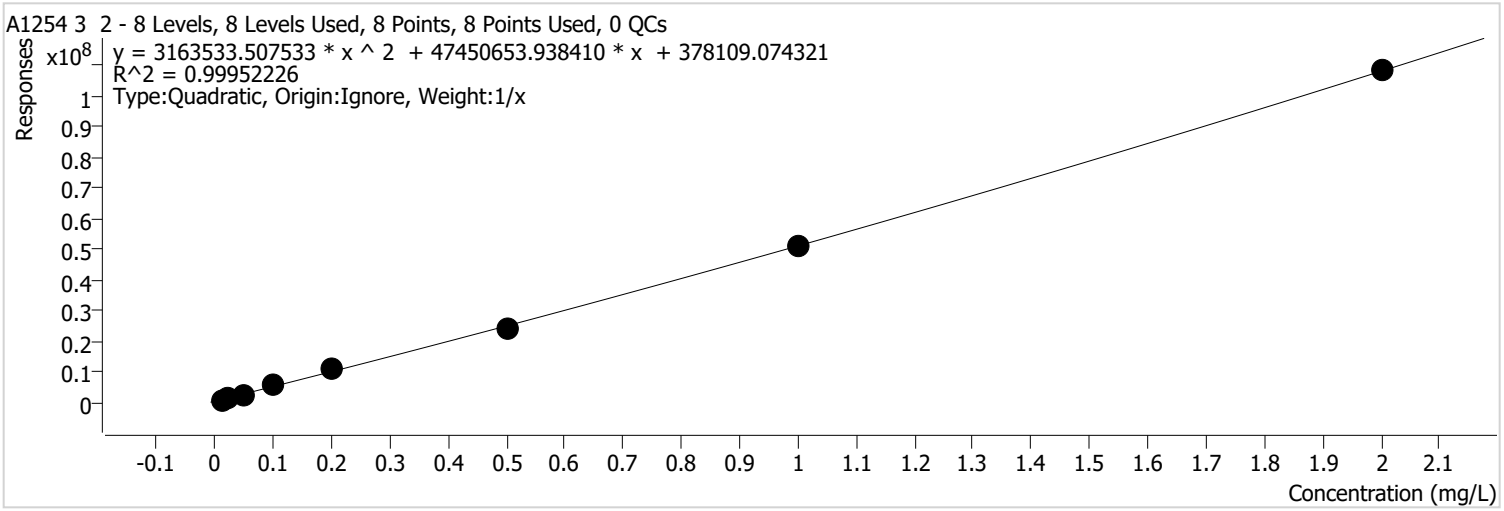
A1254 2 2 %RSE = 16.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082421\082424.D	Calibration	1	x	382366	0.0100	38236645.0000	
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	756755	0.0200	37837725.0000	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	1750340	0.0500	35006796.0000	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	3734687	0.1000	37346872.2450	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	7339885	0.2000	36699427.0362	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	15740120	0.5000	31480240.6752	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	33018366	1.0000	33018366.0750	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	69238224	2.0000	34619112.2395	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

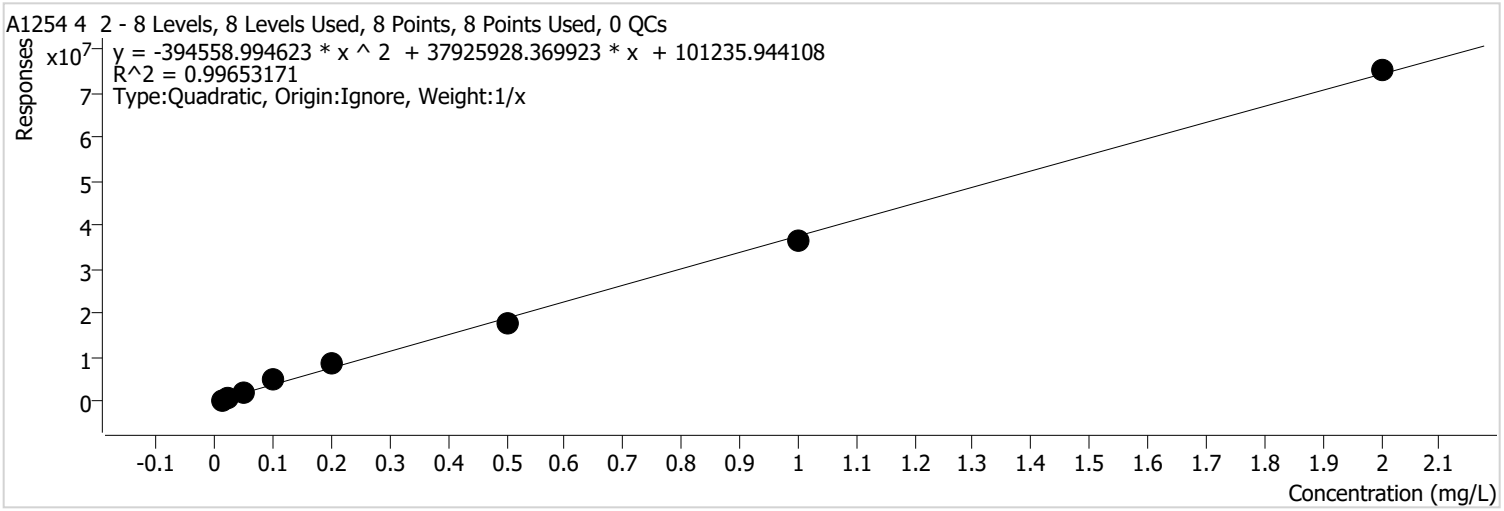
A1254 3 2 %RSE = 6.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082421\082424.D	Calibration	1	x	804458	0.0100	80445821.7822	
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	1380329	0.0200	69016457.5050	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	2686690	0.0500	53733804.9823	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	5438475	0.1000	54384748.1740	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	10520844	0.2000	52604219.7518	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	23917348	0.5000	47834696.9108	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	51105623	1.0000	51105622.6138	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	108055861	2.0000	54027930.3060	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

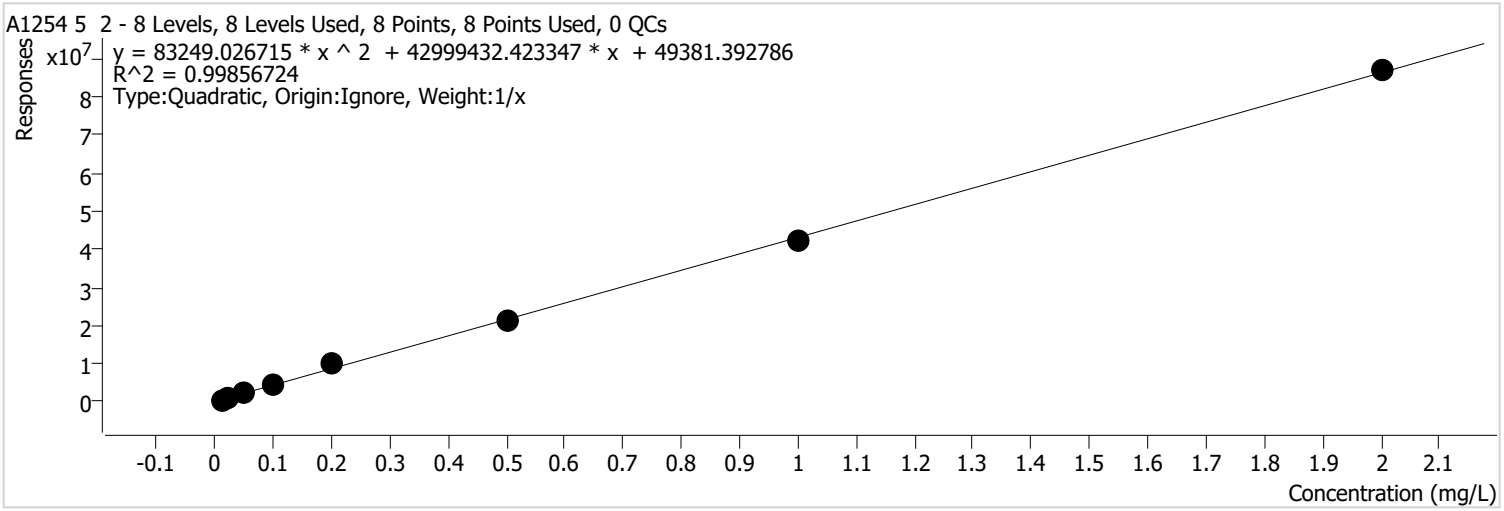
A1254 4 2 %RSE = 14.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082421\082424.D	Calibration	1	x	425571	0.0100	42557078.5043	
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	837165	0.0200	41858257.5627	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	1793470	0.0500	35869409.7685	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	4811793	0.1000	48117930.0117	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	8529930	0.2000	42649651.7948	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	18006622	0.5000	36013243.0062	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	36322294	1.0000	36322293.7612	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	75143298	2.0000	37571649.1153	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

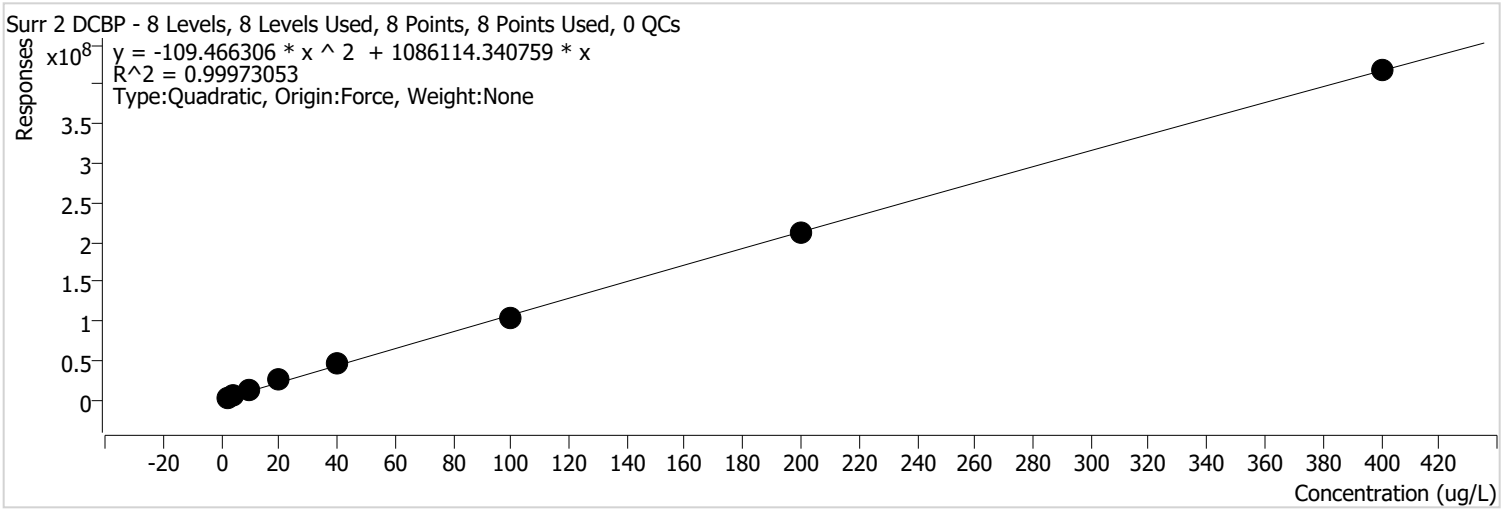
A1254 5 2 %RSE = 7.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082421\082424.D	Calibration	1	x	463515	0.0100	46351548.9138	
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	909890	0.0200	45494516.4174	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	2113242	0.0500	42264833.0445	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	4253475	0.1000	42534746.8188	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	9875731	0.2000	49378653.9438	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	20985820	0.5000	41971640.3808	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	42189192	1.0000	42189191.8604	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	86883454	2.0000	43441726.7712	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

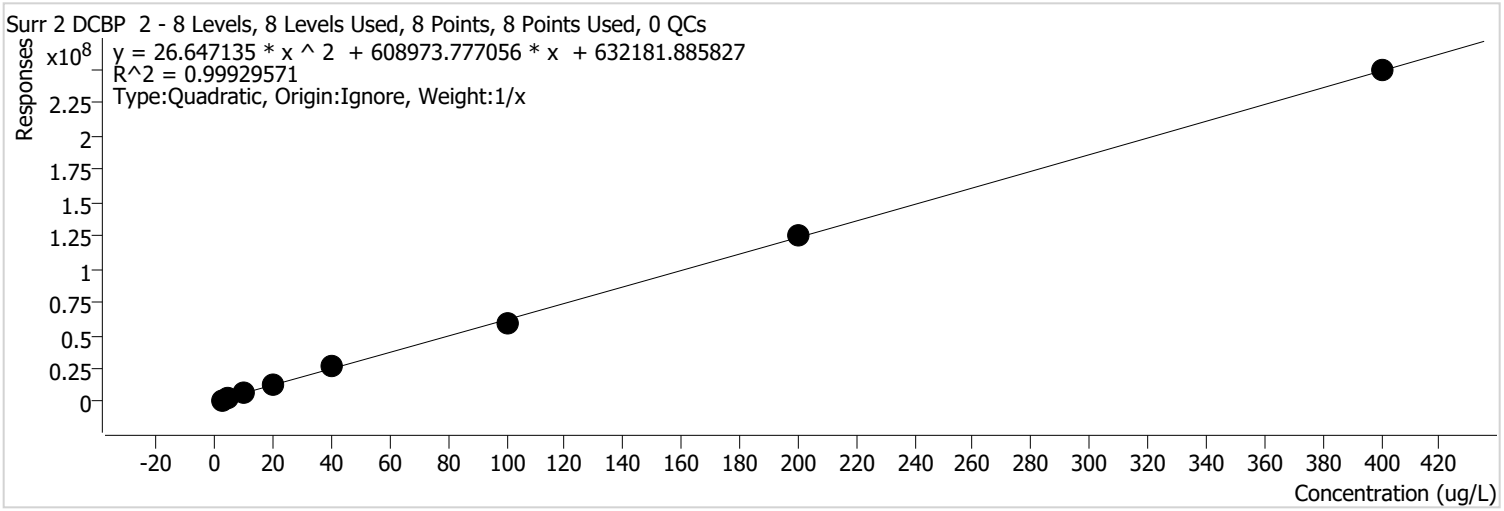
Surr 2 DCBP %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082421\082424.D	Calibration	1	x	2736758	2.0000	1368379.1111	
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	5727023	4.0000	1431755.7625	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	11984759	10.0000	1198475.9350	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	24984612	20.0000	1249230.6080	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	46773111	40.0000	1169327.7684	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	103948795	100.0000	1039487.9502	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	213454029	200.0000	1067270.1452	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	416957509	400.0000	1042393.7720	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 2 DCBP 2 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	3281991	4.0000	820497.6295	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	6829465	10.0000	682946.5189	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	13576366	20.0000	678818.2773	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	26118499	40.0000	652962.4845	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	58741991	100.0000	587419.9124	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	124472780	200.0000	622363.9002	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	248608867	400.0000	621522.1667	

PCB Calibration

Date: 08/24/21

Analyst: Sam Beerman

Hexane: 5813

Cal		ICV	
Aroclor 1660:	25029	Aroclor 1660:	24706
Aroclor 1254:	25486	Aroclor 1254:	24708

Surrogate: 25760

Spike Conc. (ppb)	Surr Conc. (ppb)	2° Spike (uL)	1° Spike (uL)	Surr (uL)	Remove (uL)	Final Vol. (mL)	Comments
10	2	5	--	--	5	1	
20	4	10	--	--	10	1	
50	10	25	--	--	25	1	
100	20	50	--	--	50	1	
200	40	100	--	--	100	1	
500	100	250	--	--	250	1	
1000	200	--	1	10	~~210~~ 190	1	
2000	400	--	2	20	~~422~~ 380	1	
ICB	200	--	--	10	10	1	
ICV (1000 ppb)	200	--	1	10	~~211~~ 190	1	

31 41

Erg 8/24/21

	1660 (uL)	1254 (uL)	Surr (uL)	Final Volume (mL)
2° Intermediate (1660)	2	--	20	1
2° Intermediate (1254)	--	2	20	1

Signature and Date: Sam Beerman 08/24/21

Signature: EM

DATA SET for Review -- Deliverable Requirements

Total Metals by EPA Method 6020B

Fremont Analytical Work Order No. 2109220

Shannon & Wilson

Project Name: 8801 - Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September2021\091621eh\
Report Date/Time: Friday, September 17, 2021 08:05:55

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	CONE COND	09:47:47 Thu 16-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CONE COND	09:53:21 Thu 16-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CONE COND	09:58:55 Thu 16-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CONE COND	10:04:29 Thu 16-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CONE COND	10:10:04 Thu 16-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	5%	10:15:37 Thu 16-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	10:21:12 Thu 16-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	NEW 2%	10:26:46 Thu 16-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	NEW 2%	10:32:20 Thu 16-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CAL BLK IS 23514	10:59:58 Thu 16-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 1	11:05:32 Thu 16-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 2	11:11:06 Thu 16-S	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 3	11:16:40 Thu 16-S	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 4	11:22:14 Thu 16-S	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 5	11:27:48 Thu 16-S	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 6	11:33:22 Thu 16-S	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 7	11:38:56 Thu 16-S	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 8	11:44:30 Thu 16-S	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	11:50:06 Thu 16-S	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICB	11:55:39 Thu 16-S	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICV LL	12:01:14 Thu 16-S	QC Std #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICV	12:06:48 Thu 16-S	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICV 2	12:12:23 Thu 16-S	QC Std #11	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
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	ICSAB	13:46:16 Thu 16-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	13:51:51 Thu 16-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	13:57:25 Thu 16-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	LCS-33684	14:03:01 Thu 16-S	Sample	C:\Users\Public\DocumLCS,M-200.8-T	gistix\ICPMS\DataSet\September202
	2108448-001A 10X	14:08:36 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	LCS2-33699	14:14:10 Thu 16-S	Sample	C:\Users\Public\DocumLCS,M-200.8-T	gistix\ICPMS\DataSet\September202
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	2109199-001BDUP	14:30:52 Thu 16-S	Sample	C:\Users\Public\DocumDUP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109193-001A	14:36:26 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2108448-001A 10X	14:42:01 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	LCS2-33698	14:47:36 Thu 16-S	Sample	C:\Users\Public\DocumLCS,M-200.8-DW	gistix\ICPMS\DataSet\September202
	LCS-33698	14:53:10 Thu 16-S	Sample	C:\Users\Public\DocumLCS,M-200.8-DW	gistix\ICPMS\DataSet\September202
	CCV	14:58:45 Thu 16-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	15:04:19 Thu 16-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	2109150-001C	15:16:44 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\September202
	2109150-001CDUP	15:22:19 Thu 16-S	Sample	C:\Users\Public\DocumDUP,M-200.8-DW	gistix\ICPMS\DataSet\September202
	WASH	15:27:54 Thu 16-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	MB-CEC	15:33:29 Thu 16-S	Sample	C:\Users\Public\DocumMBLK,C-CEC-9081	gistix\ICPMS\DataSet\September202
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	2108443-001ADUP	15:50:11 Thu 16-S	Sample	C:\Users\Public\DocumDUP,C-CEC-9081	gistix\ICPMS\DataSet\September202

2108441-001A	15:55:45 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,C-CEC-9081 gistix\ICPMS\DataSet\September202
CCV	16:01:20 Thu 16-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	16:06:55 Thu 16-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	16:24:53 Thu 16-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
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2109194-001A 5X	17:04:42 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\September202
2109194-001A	17:10:16 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\September202
2109171-001D	17:15:50 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\September202
WASH	17:21:25 Thu 16-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB-33716	17:26:59 Thu 16-S	Sample	C:\Users\Public\DocumMBLK,M-6020-S gistix\ICPMS\DataSet\September202
LCS-33716	17:32:33 Thu 16-S	Sample	C:\Users\Public\DocumLCS,M-6020-S gistix\ICPMS\DataSet\September202
CCV	17:38:08 Thu 16-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	17:43:42 Thu 16-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109200-001A	17:49:17 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109200-001ADIL	17:54:51 Thu 16-S	Sample	C:\Users\Public\DocumSD,M-6020-S gistix\ICPMS\DataSet\September202
2109200-001AMS	18:00:25 Thu 16-S	Sample	C:\Users\Public\DocumMS,M-6020-S gistix\ICPMS\DataSet\September202
2109200-001AMSD	18:05:59 Thu 16-S	Sample	C:\Users\Public\DocumMSD,M-6020-S gistix\ICPMS\DataSet\September202
2109200-001APDS	18:11:34 Thu 16-S	Sample	C:\Users\Public\DocumPDS,M-6020-S gistix\ICPMS\DataSet\September202
2109178-013A	18:17:08 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109178-014A	18:22:42 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109220-001A	18:28:16 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109220-002A	18:33:50 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109220-003A	18:39:24 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
CCV	18:44:59 Thu 16-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	18:50:34 Thu 16-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109220-004A	18:56:08 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109220-005A	19:01:42 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109220-006A	19:07:17 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109220-007A	19:12:51 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109220-008A	19:18:25 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109220-009A	19:23:59 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109220-010A	19:29:33 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109220-011A	19:35:07 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109220-012A	19:40:41 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109220-013A	19:46:15 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
CCV	19:51:50 Thu 16-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	19:57:24 Thu 16-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109220-014A	20:02:59 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109220-015A	20:08:33 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109220-016A	20:14:07 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109220-017A	20:19:41 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109182-001A	20:25:16 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW gistix\ICPMS\DataSet\September202
2109183-001A	20:30:51 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW gistix\ICPMS\DataSet\September202
2109184-001A	20:36:25 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW gistix\ICPMS\DataSet\September202
2109184-002A	20:41:59 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW gistix\ICPMS\DataSet\September202
2107148-044A	20:47:33 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW gistix\ICPMS\DataSet\September202
2107148-044A	20:53:07 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW gistix\ICPMS\DataSet\September202
CCV	20:58:42 Thu 16-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	21:04:16 Thu 16-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	21:09:51 Thu 16-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB-33713	21:15:26 Thu 16-S	Sample	C:\Users\Public\DocumMBLK,M-TCLP gistix\ICPMS\DataSet\September202
LCS-33713	21:21:00 Thu 16-S	Sample	C:\Users\Public\DocumLCS,M-TCLP gistix\ICPMS\DataSet\September202
2108255-001A	21:26:34 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-TCLP gistix\ICPMS\DataSet\September202
2108255-001ADUP	21:32:09 Thu 16-S	Sample	C:\Users\Public\DocumDUP,M-TCLP gistix\ICPMS\DataSet\September202
2108255-001AMS	21:37:43 Thu 16-S	Sample	C:\Users\Public\DocumMS,M-TCLP gistix\ICPMS\DataSet\September202
2108255-001AMSD	21:43:17 Thu 16-S	Sample	C:\Users\Public\DocumMSD,M-TCLP gistix\ICPMS\DataSet\September202

2109203-002A	21:48:51 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-TCLP gistix\ICPMS\DataSet\September202
2109203-003A	21:54:25 Thu 16-S	Sample	C:\Users\Public\DocumSAMP,M-TCLP gistix\ICPMS\DataSet\September202
MB2-33713	21:59:59 Thu 16-S	Sample	C:\Users\Public\DocumMBLK,M-TCLP gistix\ICPMS\DataSet\September202
CCV	22:05:34 Thu 16-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	22:11:08 Thu 16-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2%	22:16:43 Thu 16-S	QC Std #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
DI	22:22:17 Thu 16-S	QC Std #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September2021\092021eh\
Report Date/Time: Tuesday, September 21, 2021 08:09:14

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	WASH	09:11:31 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	09:17:05 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	09:22:39 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CAL BLK IS 23514	09:28:14 Mon 20-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 1	09:33:48 Mon 20-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CAL BLK IS 23514	09:40:30 Mon 20-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 1	09:46:04 Mon 20-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 2	09:51:38 Mon 20-S	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 3	09:57:12 Mon 20-S	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 4	10:02:46 Mon 20-S	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 5	10:08:20 Mon 20-S	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 6	10:13:54 Mon 20-S	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 7	10:19:28 Mon 20-S	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 8	10:25:02 Mon 20-S	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	10:30:37 Mon 20-S	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICB	10:36:12 Mon 20-S	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICV LL	10:41:46 Mon 20-S	QC Std #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICV	10:47:21 Mon 20-S	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICV 2	10:52:56 Mon 20-S	QC Std #11	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	10:58:30 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICV	11:08:25 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICV 2	11:14:42 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICSA	11:24:15 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICSAB	11:29:49 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	LDR	11:35:24 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	11:40:58 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	11:46:32 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	MB-33731	11:52:07 Mon 20-S	Sample	C:\Users\Public\DocumMBLK,M-6020-S	gistix\ICPMS\DataSet\September202
	LCS-33731	11:57:41 Mon 20-S	Sample	C:\Users\Public\DocumLCS,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-019A	12:03:15 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-019ADIL	12:08:49 Mon 20-S	Sample	C:\Users\Public\DocumSD,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-019AMS	12:14:23 Mon 20-S	Sample	C:\Users\Public\DocumMS,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-019AMSD	12:19:57 Mon 20-S	Sample	C:\Users\Public\DocumMSD,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-019APDS	12:25:31 Mon 20-S	Sample	C:\Users\Public\DocumPDS,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-018A	12:31:05 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-020A	12:36:39 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-021A	12:42:12 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	CCV	12:47:47 Mon 20-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	12:53:21 Mon 20-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCV	13:03:42 Mon 20-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	13:09:16 Mon 20-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	2109220-001A 20X	13:16:30 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-002A 20X	13:22:04 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-003A 20X	13:27:38 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-004A 20X	13:33:12 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-006A 20X	13:38:46 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-007A 20X	13:44:20 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-008A 20X	13:49:54 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-009A 20X	13:55:29 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-012A 20X	14:01:02 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202

2109220-016A 20X	14:06:36 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
CCV	14:12:11 Mon 20-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	14:17:46 Mon 20-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	14:24:01 Mon 20-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	14:34:04 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	14:40:15 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109220-019A	14:46:42 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109220-018A	14:52:17 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109220-020A	14:57:51 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109220-021A	15:03:25 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
CCV	15:09:00 Mon 20-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	15:22:29 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	15:28:04 Mon 20-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	15:34:10 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	15:42:30 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	15:48:05 Mon 20-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	15:53:39 Mon 20-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	15:59:16 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	16:04:50 Mon 20-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB-33748	16:07:31 Mon 20-S	Sample	C:\Users\Public\DocumMBLK,M-6020-S _ gistix\ICPMS\DataSet\September202
LCS-33748	16:13:05 Mon 20-S	Sample	C:\Users\Public\DocumLCS,M-6020-S _ gistix\ICPMS\DataSet\September202
2109218-001A	16:18:40 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109218-002A	16:24:14 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
CCV	16:29:49 Mon 20-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	16:35:24 Mon 20-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	17:24:34 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CAL BLK IS 23514	17:30:08 Mon 20-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 1	17:35:42 Mon 20-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 2	17:41:16 Mon 20-S	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 3	17:46:50 Mon 20-S	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 4	17:52:24 Mon 20-S	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 5	17:57:58 Mon 20-S	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 6	18:03:32 Mon 20-S	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 7	18:09:06 Mon 20-S	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 8	18:14:40 Mon 20-S	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	18:20:15 Mon 20-S	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
ICB	18:25:49 Mon 20-S	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
ICV	18:31:23 Mon 20-S	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	18:36:57 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
ICSA	18:42:32 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
ICSAB	18:48:06 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	18:53:40 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	18:59:15 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109220-018A	19:04:50 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109220-019A	19:10:25 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109220-020A	19:15:59 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109220-021A	19:21:34 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
CCV	19:27:09 Mon 20-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	19:32:43 Mon 20-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
LCS-33716	19:38:18 Mon 20-S	Sample	C:\Users\Public\DocumLCS,M-6020-S _ gistix\ICPMS\DataSet\September202
2109200-001ADIL	19:43:52 Mon 20-S	Sample	C:\Users\Public\DocumSD,M-6020-S _ gistix\ICPMS\DataSet\September202
2109178-013A	19:49:26 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109178-014A	19:55:00 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109160-001A	20:00:34 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109160-002A	20:06:08 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109168-001A	20:11:42 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109168-002A	20:17:16 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109168-003A	20:22:50 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109168-004A	20:28:24 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
CCV	20:33:59 Mon 20-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202

CCB	20:39:33 Mon 20-SQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109201-001A	20:45:08 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
2109223-001A	20:50:42 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
2109230-001A	20:56:16 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
2109230-002A	21:01:50 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
2109230-003A	21:07:24 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
LLOQ 1	21:12:58 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
LLOQ 2	21:18:32 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
LLOQ 3	21:24:05 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
LLOQ 4	21:29:39 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
LLOQ 5	21:35:13 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
CCV	21:40:48 Mon 20-SQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	21:46:22 Mon 20-SQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
LLOQ 6	21:51:57 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
LLOQ 7	21:57:31 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
WASH	22:03:06 Mon 20-SSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB-33748	22:08:41 Mon 20-SSample	C:\Users\Public\DocumMBLK,M-6020-S . gistix\ICPMS\DataSet\September202
LCS-33748	22:14:14 Mon 20-SSample	C:\Users\Public\DocumLCS,M-6020-S . gistix\ICPMS\DataSet\September202
2109234-002A	22:19:48 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
2109234-002ADIL	22:25:22 Mon 20-SSample	C:\Users\Public\DocumSD,M-6020-S . gistix\ICPMS\DataSet\September202
2109234-002AMS	22:30:56 Mon 20-SSample	C:\Users\Public\DocumMS,M-6020-S . gistix\ICPMS\DataSet\September202
2109234-002AMSD	22:36:30 Mon 20-SSample	C:\Users\Public\DocumMSD,M-6020-S . gistix\ICPMS\DataSet\September202
2109234-002APDS	22:42:04 Mon 20-SSample	C:\Users\Public\DocumPDS,M-6020-S . gistix\ICPMS\DataSet\September202
CCV	22:47:39 Mon 20-SQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	22:53:13 Mon 20-SQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109218-001A	22:58:48 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
2109218-002A	23:04:22 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
2109234-001A	23:09:56 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
2109234-003A	23:15:30 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
2109234-004A	23:21:04 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
2109256-001A	23:26:38 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
WASH	23:32:13 Mon 20-SSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB-33732	23:37:48 Mon 20-SSample	C:\Users\Public\DocumMBLK,M-200.8-T . gistix\ICPMS\DataSet\September202
LCS-33732	23:43:22 Mon 20-SSample	C:\Users\Public\DocumLCS,M-200.8-T . gistix\ICPMS\DataSet\September202
2109214-003A	23:48:56 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
CCV	23:54:31 Mon 20-SQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	00:00:06 Tue 21-SQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109214-003ADUP	00:05:41 Tue 21-SSample	C:\Users\Public\DocumDUP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109214-003AMS	00:11:15 Tue 21-SSample	C:\Users\Public\DocumMS,M-200.8-T . gistix\ICPMS\DataSet\September202
2109214-003AMSD	00:16:49 Tue 21-SSample	C:\Users\Public\DocumMSD,M-200.8-T . gistix\ICPMS\DataSet\September202
2109214-001A	00:22:23 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109214-002A	00:27:57 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109214-004A	00:33:31 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109214-005A	00:39:05 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109214-006A	00:44:39 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109214-007A	00:50:13 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109214-008A	00:55:47 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
CCV	01:01:22 Tue 21-SQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	01:06:57 Tue 21-SQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109213-001A	01:12:31 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109215-001A 100X	01:18:06 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109215-002A 100X	01:23:40 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109224-001A 500X	01:29:14 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109224-002A 500X	01:34:48 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109224-003A 500X	01:40:22 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109224-004A 500X	01:45:56 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109224-005A 500X	01:51:30 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109224-006A 500X	01:57:04 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109226-001A	02:02:38 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
CCV	02:08:13 Tue 21-SQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202

CCB	02:13:48 Tue 21-SQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109229-001A	02:19:23 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\September202
CCV	02:24:57 Tue 21-SQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	02:30:32 Tue 21-SQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2%	02:36:06 Tue 21-SQC Std #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
DI	02:41:41 Tue 21-SQC Std #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September2021\092121eh\
Report Date/Time: Wednesday, September 22, 2021 08:24:16

The Dataset

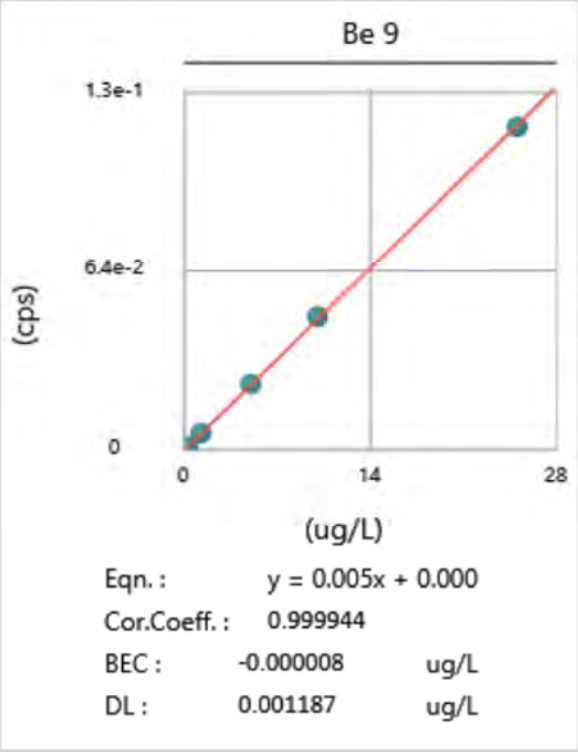
Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	WASH	09:04:24 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	09:09:58 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	NEW 2%	09:15:33 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	std 2 test	09:21:45 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	10:02:31 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	NEW 2%	10:08:05 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	10:25:15 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CAL BLK IS 23514	10:30:49 Tue 21-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 1	10:36:23 Tue 21-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 2	10:41:57 Tue 21-S	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 3	10:47:31 Tue 21-S	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 4	10:53:05 Tue 21-S	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 5	10:58:39 Tue 21-S	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 6	11:04:13 Tue 21-S	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 7	11:09:47 Tue 21-S	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 8	11:15:21 Tue 21-S	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	11:20:55 Tue 21-S	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICB	11:26:30 Tue 21-S	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICV	11:32:04 Tue 21-S	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	11:37:38 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICSA	12:09:05 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	12:14:40 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	12:20:14 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	2109256-001A 50X	12:30:13 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202	
	2109226-001A	12:35:48 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202	
	LCS2	12:52:15 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	2109194-001A	12:57:50 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	2109171-001D	13:03:25 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	2109201-001 20X	13:15:33 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	2109201-001A 20X	13:29:14 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202	
	LCS2	13:34:49 Tue 21-S	Sample	C:\Users\Public\DocumLCS,M-200.8-T _ gistix\ICPMS\DataSet\September202	
	LCS-33731	13:40:23 Tue 21-S	Sample	C:\Users\Public\DocumLCS,M-6020-S _ gistix\ICPMS\DataSet\September202	
	2109220-019A	13:45:58 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202	
	CCV	13:51:33 Tue 21-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	13:57:07 Tue 21-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCV	14:35:52 Tue 21-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	14:41:27 Tue 21-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	2109168-001A	16:09:07 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202	
	2109168-002A	16:14:42 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202	
	2109168-003A	16:20:17 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202	
	2109168-004A	16:25:51 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202	
	CCV	16:31:26 Tue 21-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	16:37:01 Tue 21-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	16:54:42 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CAL BLK IS 23514	17:00:16 Tue 21-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 1	17:05:50 Tue 21-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 2	17:11:24 Tue 21-S	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 3	17:16:58 Tue 21-S	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 4	17:22:32 Tue 21-S	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 5	17:28:06 Tue 21-S	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	

Standard 6	17:33:40 Tue 21-S	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 7	17:39:14 Tue 21-S	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 8	17:44:48 Tue 21-S	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	17:50:23 Tue 21-S	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
ICB	17:55:57 Tue 21-S	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
ICV	18:01:31 Tue 21-S	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	18:07:06 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
ICSA	18:12:41 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	18:18:16 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	18:23:50 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
LCS-33731	18:29:25 Tue 21-S	Sample	C:\Users\Public\DocumLCS,M-6020-S gistix\ICPMS\DataSet\September202
2109230-001A	18:35:00 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109230-002A	18:40:35 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109230-003A	18:46:09 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
WASH	18:51:44 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	18:57:18 Tue 21-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	19:02:52 Tue 21-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB-33766	19:08:27 Tue 21-S	Sample	C:\Users\Public\DocumMBLK,M-6020-S gistix\ICPMS\DataSet\September202
LCS-33766	19:14:01 Tue 21-S	Sample	C:\Users\Public\DocumLCS,M-6020-S gistix\ICPMS\DataSet\September202
2109304-002A	19:19:35 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109304-002ADIL	19:25:08 Tue 21-S	Sample	C:\Users\Public\DocumSD,M-6020-S gistix\ICPMS\DataSet\September202
2109304-002AMS	19:30:42 Tue 21-S	Sample	C:\Users\Public\DocumMS,M-6020-S gistix\ICPMS\DataSet\September202
2109304-002AMSD	19:36:16 Tue 21-S	Sample	C:\Users\Public\DocumMSD,M-6020-S gistix\ICPMS\DataSet\September202
2109304-002APDS	19:41:50 Tue 21-S	Sample	C:\Users\Public\DocumPDS,M-6020-S gistix\ICPMS\DataSet\September202
2109304-001A	19:47:24 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109304-003A	19:52:58 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109304-004A	19:58:32 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
CCV	20:04:07 Tue 21-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	20:09:41 Tue 21-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109304-005A	20:15:15 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109304-006A	20:20:49 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109304-007A	20:26:23 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109304-008A	20:31:57 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109299-001A	20:37:31 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109299-002A	20:43:05 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
WASH	20:48:40 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB-33747	20:54:14 Tue 21-S	Sample	C:\Users\Public\DocumMBLK,M-6020-D gistix\ICPMS\DataSet\September202
LCS-33747	20:59:48 Tue 21-S	Sample	C:\Users\Public\DocumLCS,M-6020-D gistix\ICPMS\DataSet\September202
2109217-003C	21:05:23 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-D gistix\ICPMS\DataSet\September202
CCV	21:10:57 Tue 21-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	21:16:32 Tue 21-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109217-003CDUP	21:22:06 Tue 21-S	Sample	C:\Users\Public\DocumDUP,M-6020-D gistix\ICPMS\DataSet\September202
2109217-003CMS	21:27:40 Tue 21-S	Sample	C:\Users\Public\DocumSD,M-6020-D gistix\ICPMS\DataSet\September202
2109217-003CMSD	21:33:14 Tue 21-S	Sample	C:\Users\Public\DocumMS,M-6020-D gistix\ICPMS\DataSet\September202
2109217-001C	21:38:48 Tue 21-S	Sample	C:\Users\Public\DocumMSD,M-6020-D gistix\ICPMS\DataSet\September202
2109217-002C	21:44:22 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-D gistix\ICPMS\DataSet\September202
2109217-004C	21:49:56 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-D gistix\ICPMS\DataSet\September202
2109217-005C	21:55:30 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-D gistix\ICPMS\DataSet\September202
2109217-006C	22:01:04 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-D gistix\ICPMS\DataSet\September202
2109217-007C	22:06:38 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-D gistix\ICPMS\DataSet\September202
WASH	22:12:13 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	22:17:47 Tue 21-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	22:23:21 Tue 21-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB-33746	22:28:56 Tue 21-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-T gistix\ICPMS\DataSet\September202
LCS-33746	22:34:30 Tue 21-S	Sample	C:\Users\Public\DocumLCS,M-200.8-T gistix\ICPMS\DataSet\September202
2109250-001B	22:40:05 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\September202
2109250-001BDUP	22:45:39 Tue 21-S	Sample	C:\Users\Public\DocumDUP,M-200.8-T gistix\ICPMS\DataSet\September202
2109250-001BMS	22:51:12 Tue 21-S	Sample	C:\Users\Public\DocumMS,M-200.8-T gistix\ICPMS\DataSet\September202
2109250-001BMSD	22:56:46 Tue 21-S	Sample	C:\Users\Public\DocumMSD,M-200.8-T gistix\ICPMS\DataSet\September202
2109235-002A	23:02:20 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\September202

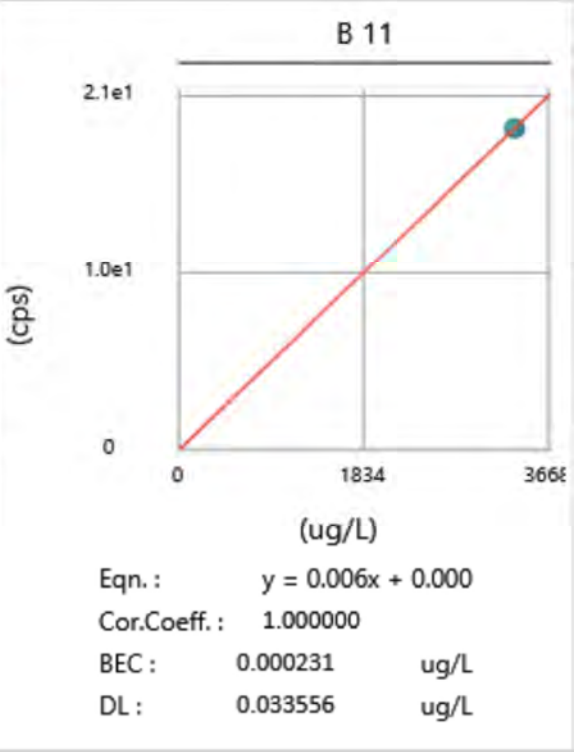
2109245-002A	23:07:54 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109246-001A	23:13:28 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109246-002A	23:19:02 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
CCV	23:24:37 Tue 21-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	23:30:11 Tue 21-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109248-001A	23:35:45 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109248-002A	23:41:19 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109252-001A	23:46:53 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109252-002A	23:52:27 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109253-001A	23:58:01 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109254-001A	00:03:35 Wed 22-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109254-002A	00:09:09 Wed 22-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109254-003A	00:14:43 Wed 22-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109255-001B	00:20:17 Wed 22-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109257-001B	00:25:52 Wed 22-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
CCV	00:31:26 Wed 22-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	00:37:00 Wed 22-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109258-001A	00:42:34 Wed 22-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
WASH	00:48:09 Wed 22-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB-33764	00:53:44 Wed 22-S	Sample	C:\Users\Public\DocumMBLK,M-TCLP . gistix\ICPMS\DataSet\September202
LCS-33764	00:59:18 Wed 22-S	Sample	C:\Users\Public\DocumLCS,M-TCLP . gistix\ICPMS\DataSet\September202
2109236-001A	01:04:52 Wed 22-S	Sample	C:\Users\Public\DocumSAMP,M-TCLP . gistix\ICPMS\DataSet\September202
2109236-001ADUP	01:10:26 Wed 22-S	Sample	C:\Users\Public\DocumDUP,M-TCLP . gistix\ICPMS\DataSet\September202
2109236-001AMS	01:16:00 Wed 22-S	Sample	C:\Users\Public\DocumMS,M-TCLP . gistix\ICPMS\DataSet\September202
2109236-001AMSD	01:21:34 Wed 22-S	Sample	C:\Users\Public\DocumMSD,M-TCLP . gistix\ICPMS\DataSet\September202
2109204-001B	01:27:09 Wed 22-S	Sample	C:\Users\Public\DocumSAMP,M-TCLP . gistix\ICPMS\DataSet\September202
2109203-001A	01:32:43 Wed 22-S	Sample	C:\Users\Public\DocumSAMP,M-TCLP . gistix\ICPMS\DataSet\September202
CCV	01:38:17 Wed 22-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	01:43:52 Wed 22-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109203-001AMS	01:49:27 Wed 22-S	Sample	C:\Users\Public\DocumMS,M-TCLP . gistix\ICPMS\DataSet\September202
MB2-33764	01:55:00 Wed 22-S	Sample	C:\Users\Public\DocumMBLK,M-TCLP . gistix\ICPMS\DataSet\September202
CCV	02:00:35 Wed 22-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	02:06:09 Wed 22-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2%	02:11:43 Wed 22-S	QC Std #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
DI	02:17:18 Wed 22-S	QC Std #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202

Calibration

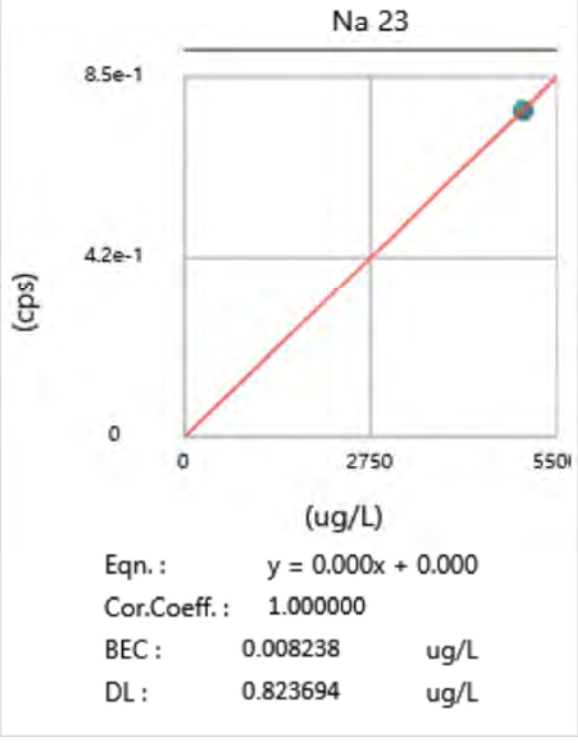
9/16/2021 Calibration



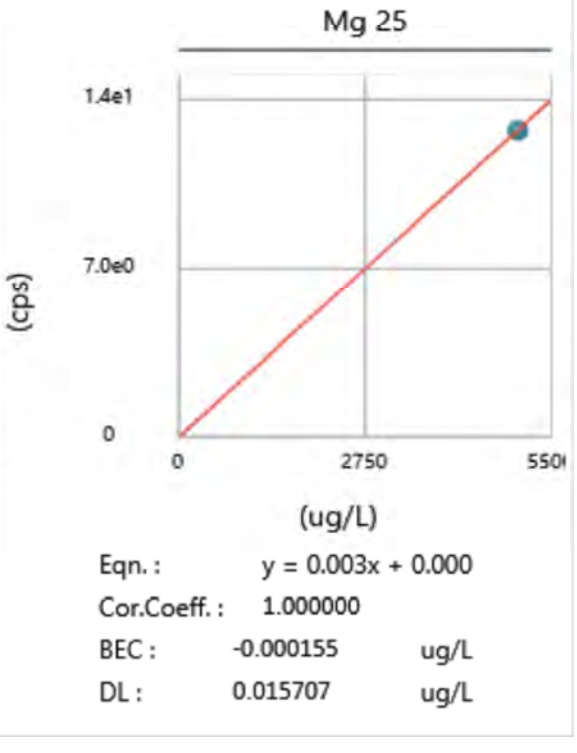
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999944
BEC : -0.000008 ug/L
DL : 0.001187 ug/L



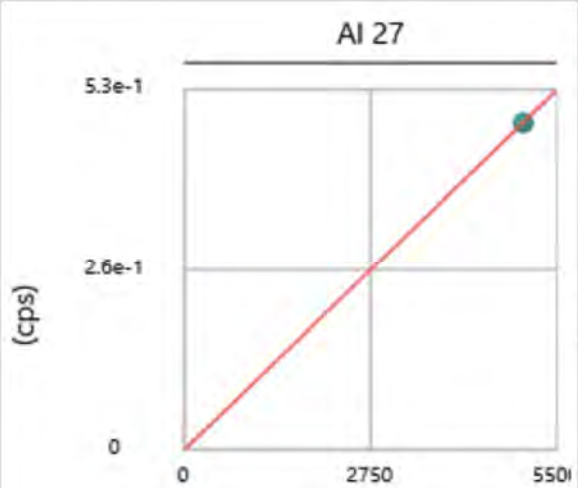
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000231 ug/L
DL : 0.033556 ug/L



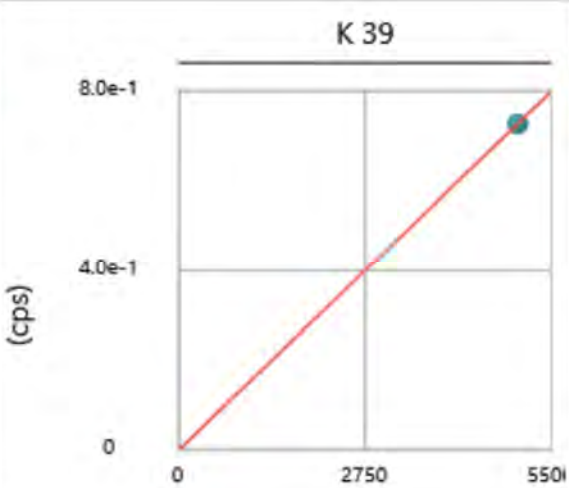
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.008238 ug/L
DL : 0.823694 ug/L



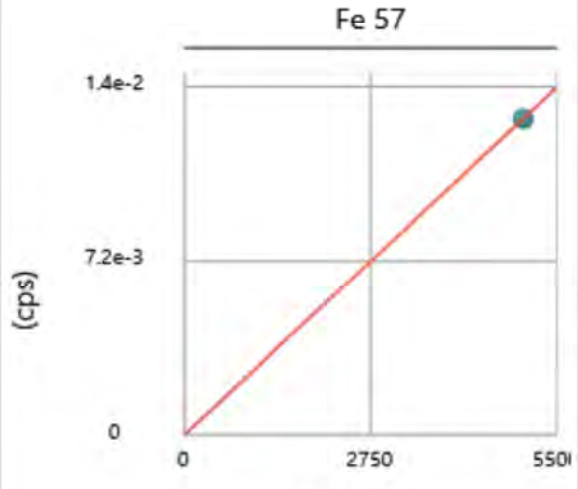
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.000155 ug/L
DL : 0.015707 ug/L



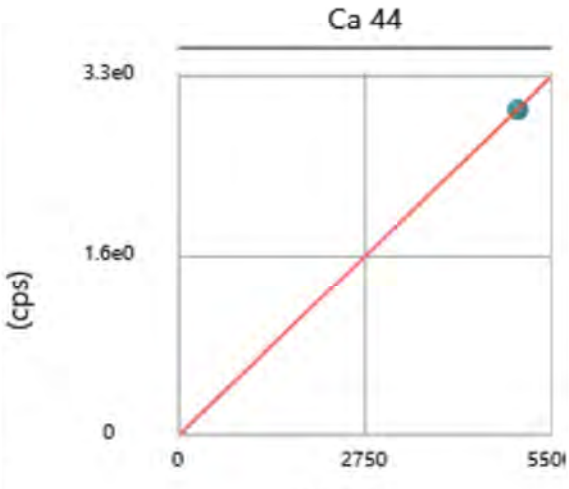
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000600 ug/L
DL : 0.060325 ug/L



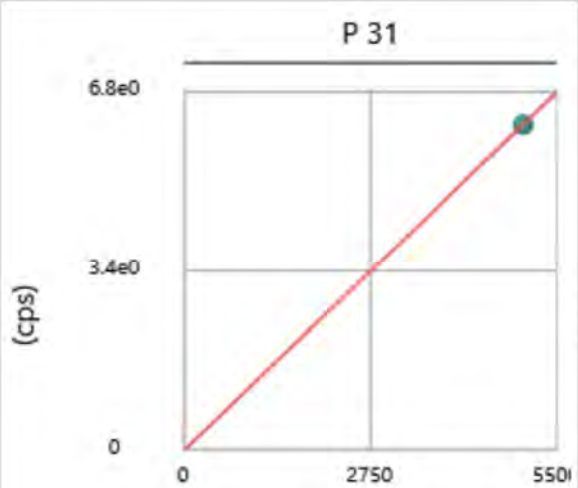
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.035139 ug/L
DL : 3.820425 ug/L



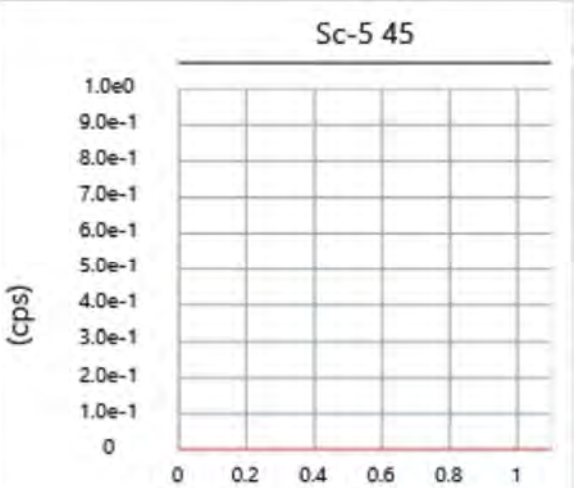
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.084206 ug/L
DL : 8.772707 ug/L



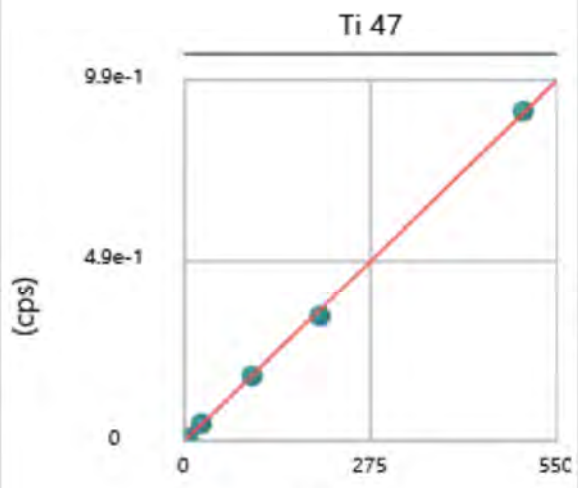
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.010707 ug/L
DL : 1.406401 ug/L



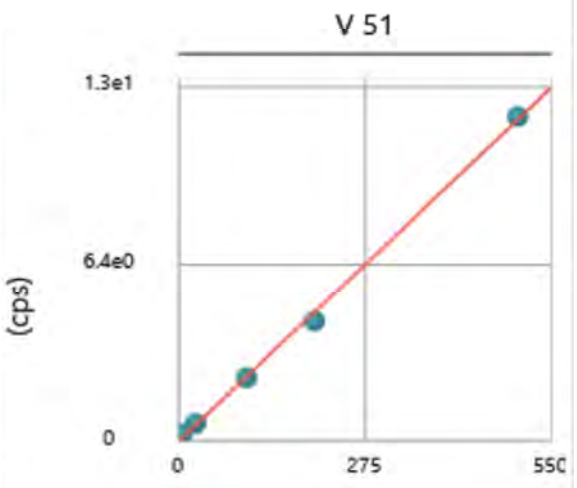
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.011032 ug/L
DL : 1.162352 ug/L



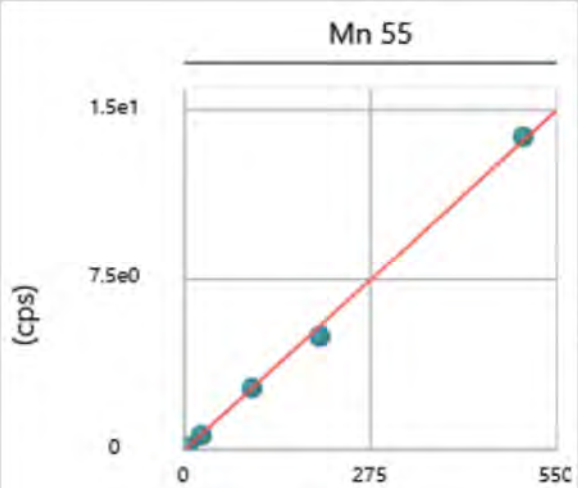
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



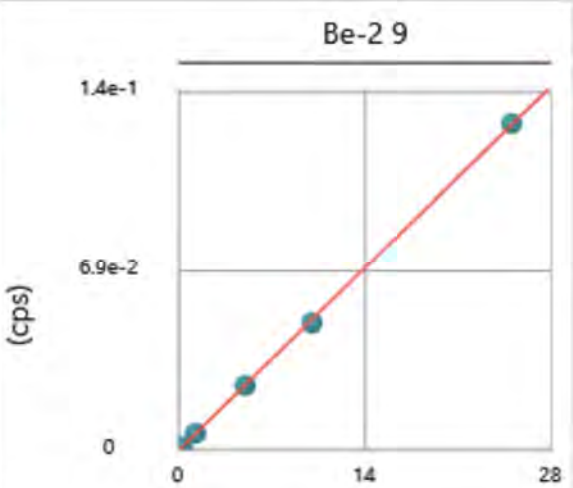
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999815
BEC : 0.000224 ug/L
DL : 0.024796 ug/L



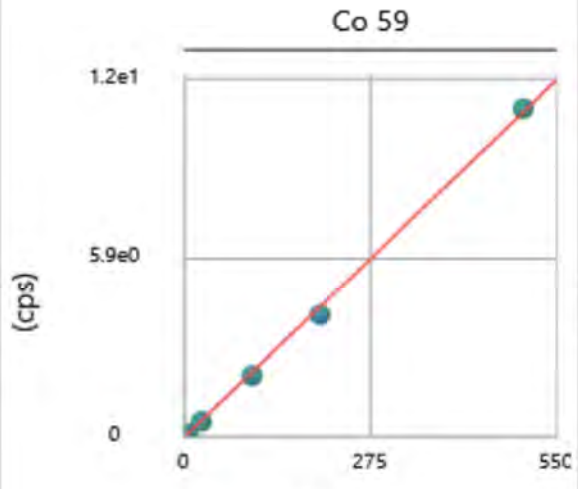
Eqn. : y = 0.023x + 0.000
Cor.Coeff. : 0.999427
BEC : 0.020885 ug/L
DL : 2.546936 ug/L



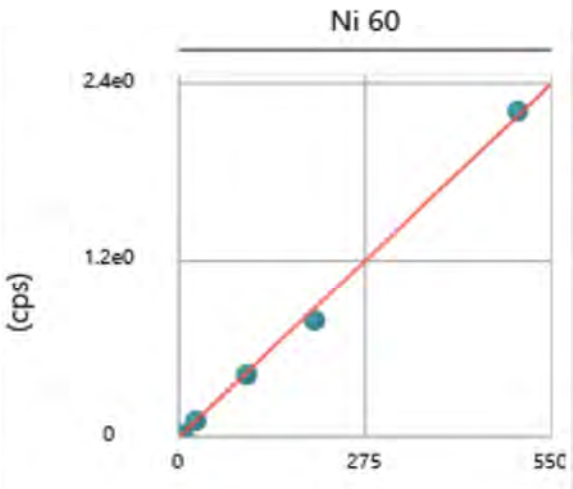
Eqn. : y = 0.027x + 0.000
Cor.Coeff. : 0.999477
BEC : 0.000156 ug/L
DL : 0.015410 ug/L



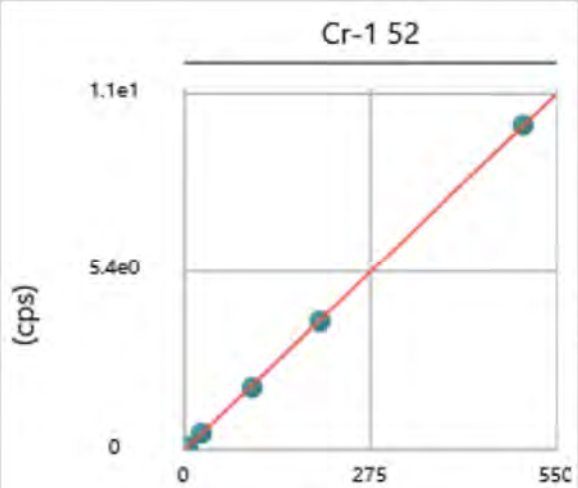
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999948
BEC : -0.000011 ug/L
DL : 0.001085 ug/L



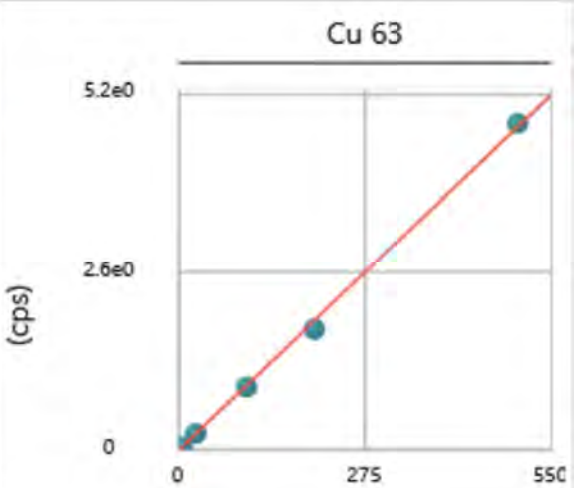
Eqn. : y = 0.022x + 0.000
Cor.Coeff. : 0.999647
BEC : -0.000022 ug/L
DL : 0.002383 ug/L



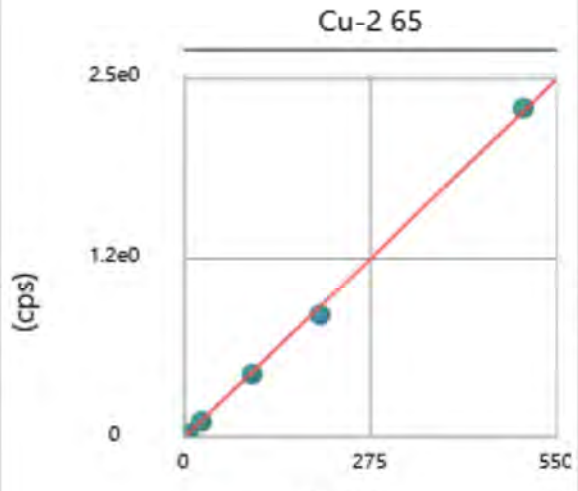
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999287
BEC : -0.000046 ug/L
DL : 0.015969 ug/L



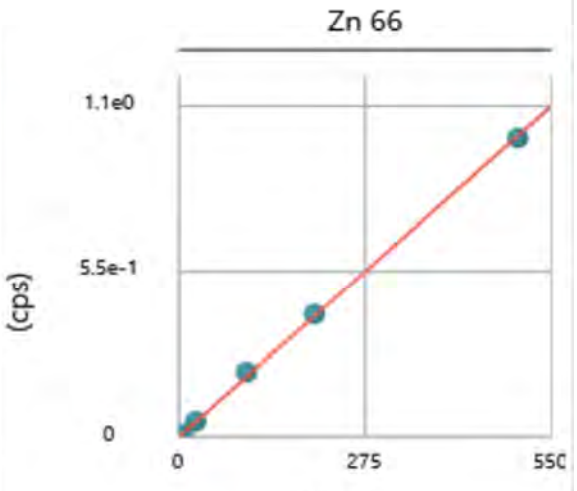
Eqn. : y = 0.020x + 0.000
Cor.Coeff. : 0.999969
BEC : 0.000926 ug/L
DL : 0.092766 ug/L



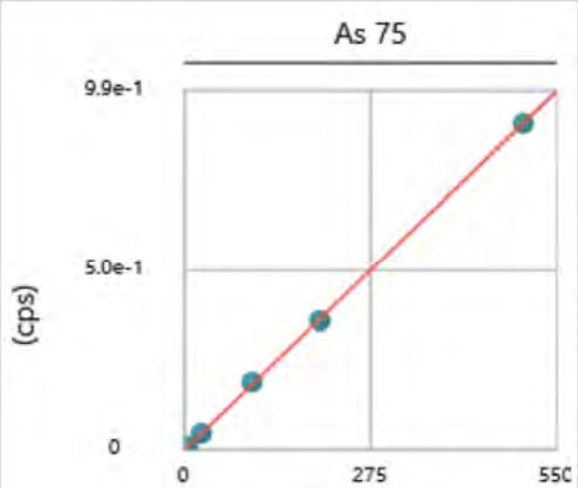
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999649
BEC : -0.000370 ug/L
DL : 0.043146 ug/L



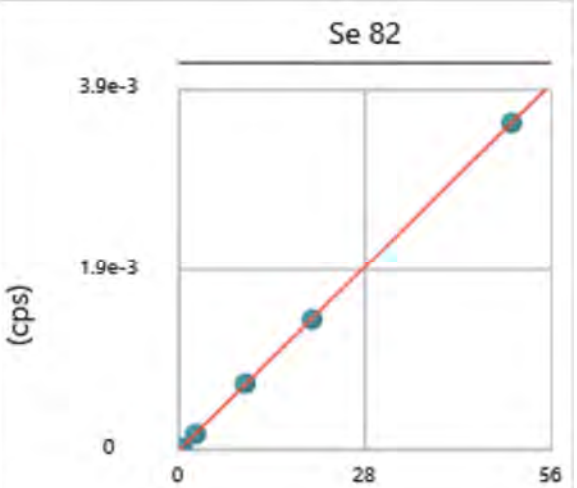
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999668
BEC : -0.000009 ug/L
DL : 0.012386 ug/L



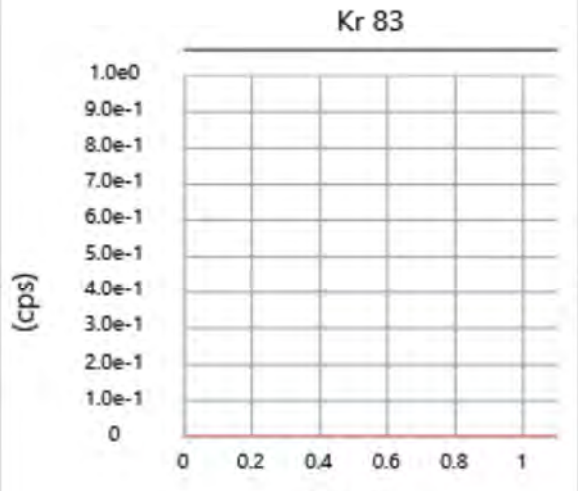
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999857
BEC : -0.000095 ug/L
DL : 0.010681 ug/L



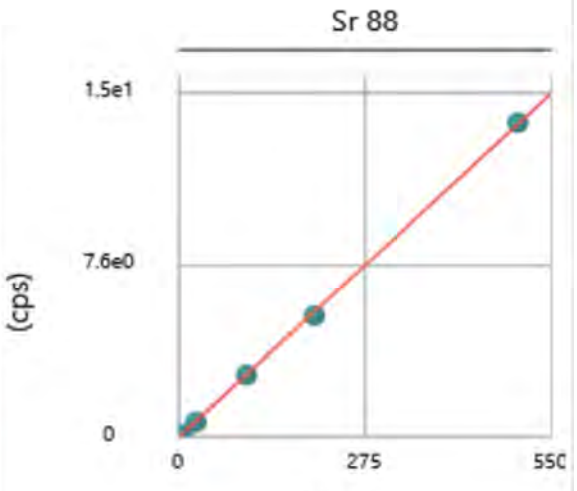
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999959
BEC : -0.003897 ug/L
DL : 0.604862 ug/L



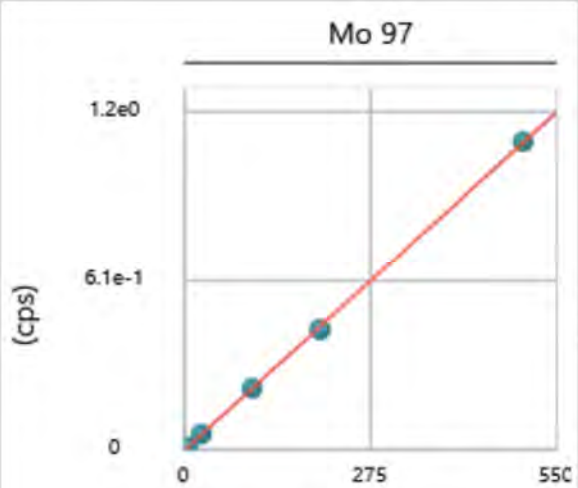
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999988
BEC : -0.002093 ug/L
DL : 0.314251 ug/L



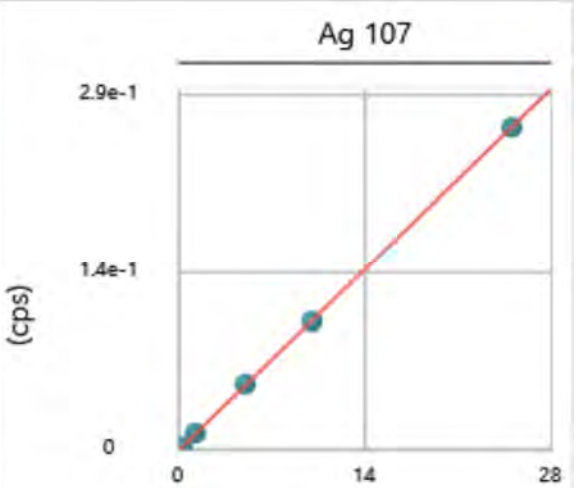
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



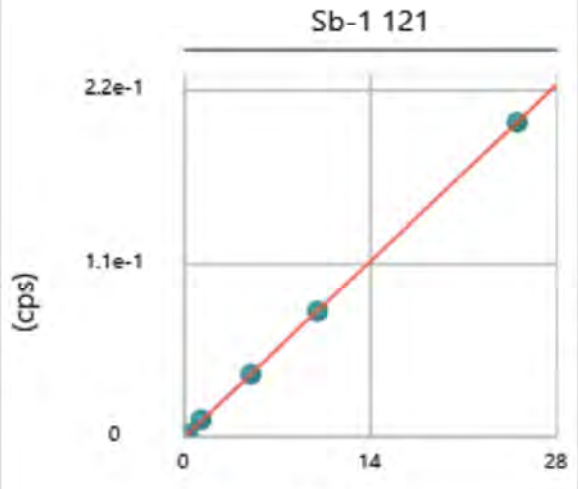
Eqn. : y = 0.028x + 0.000
Cor.Coeff. : 0.999920
BEC : 0.000010 ug/L
DL : 0.000978 ug/L



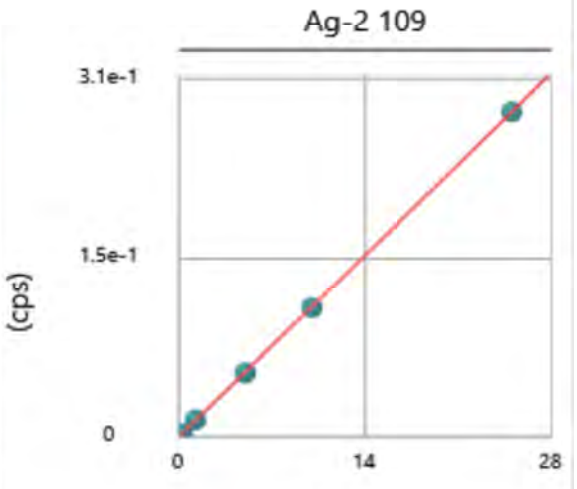
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999964
BEC : 0.000198 ug/L
DL : 0.032980 ug/L



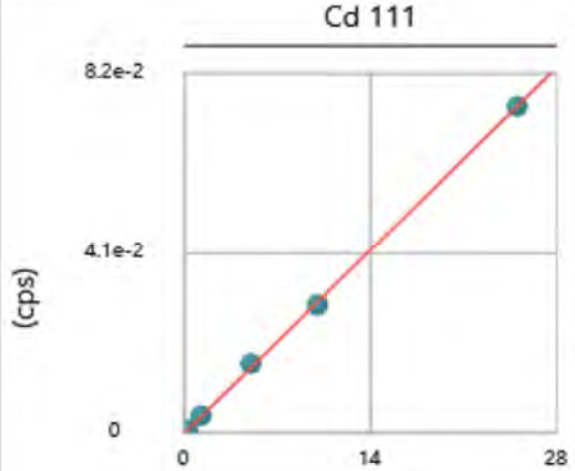
Eqn. : y = 0.010x + 0.000
Cor.Coeff. : 0.999987
BEC : -0.000014 ug/L
DL : 0.001379 ug/L



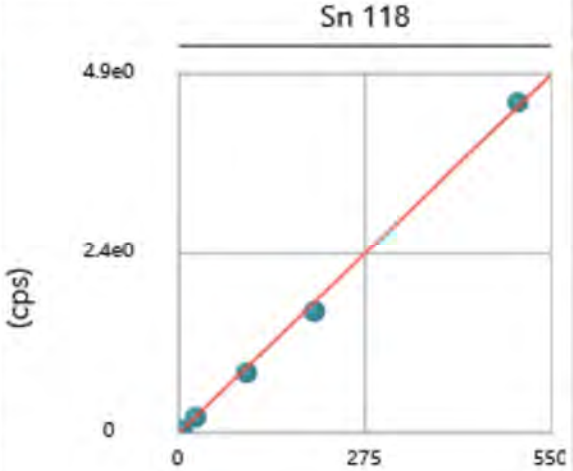
Eqn. : y = 0.008x + 0.000
Cor.Coeff. : 0.999988
BEC : -0.000040 ug/L
DL : 0.003864 ug/L



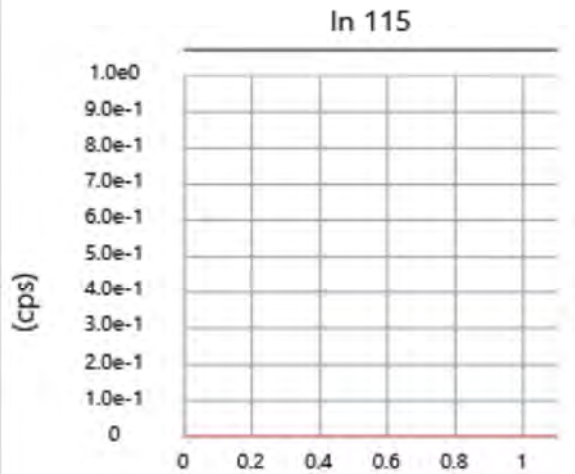
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999990
BEC : -0.000013 ug/L
DL : 0.003581 ug/L



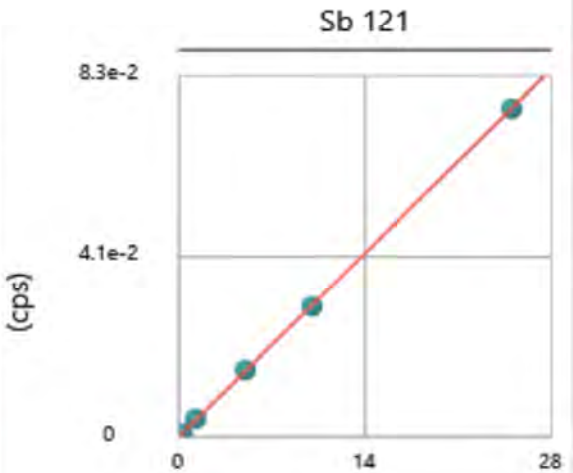
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999891
BEC : 0.000007 ug/L
DL : 0.001398 ug/L



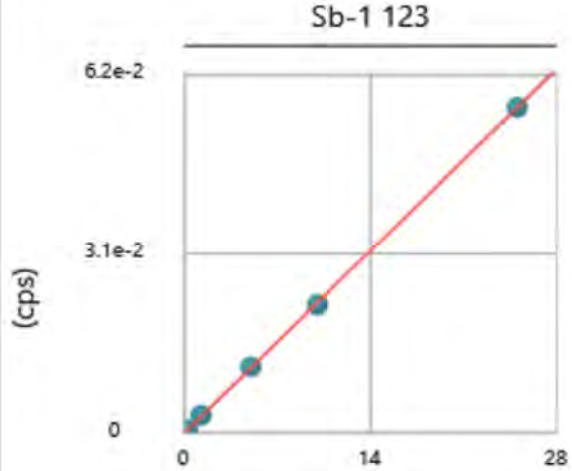
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999522
BEC : -0.000555 ug/L
DL : 0.053009 ug/L



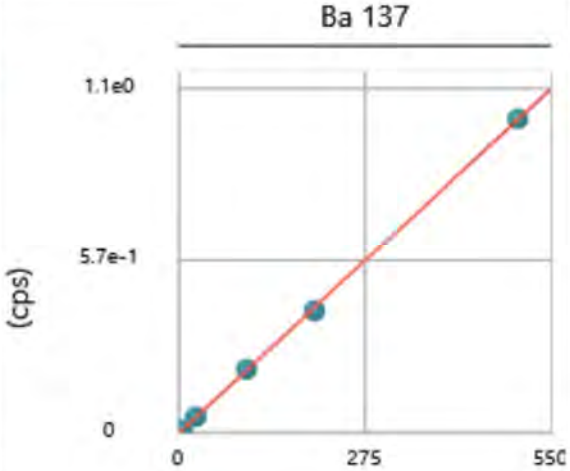
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



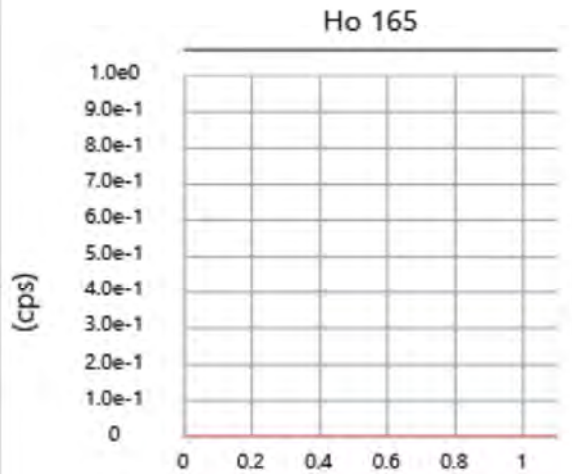
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999974
BEC : -0.000023 ug/L
DL : 0.004430 ug/L



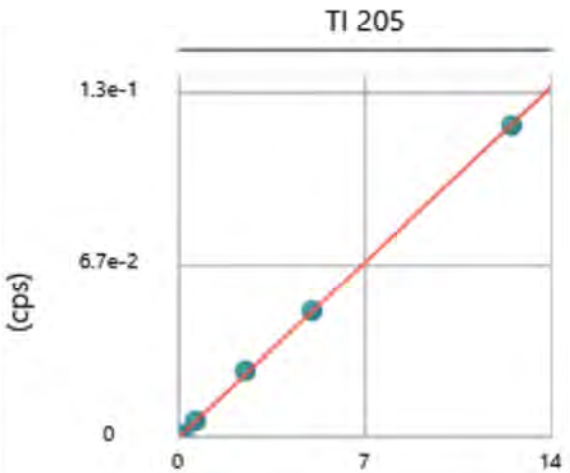
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999965
BEC : -0.000026 ug/L
DL : 0.004766 ug/L



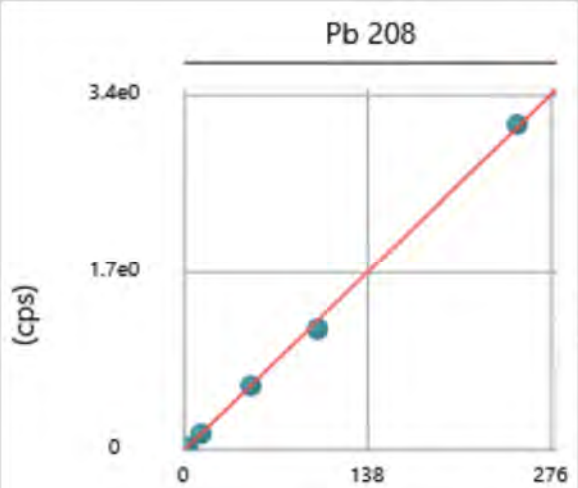
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999945
BEC : -0.000005 ug/L
DL : 0.013436 ug/L



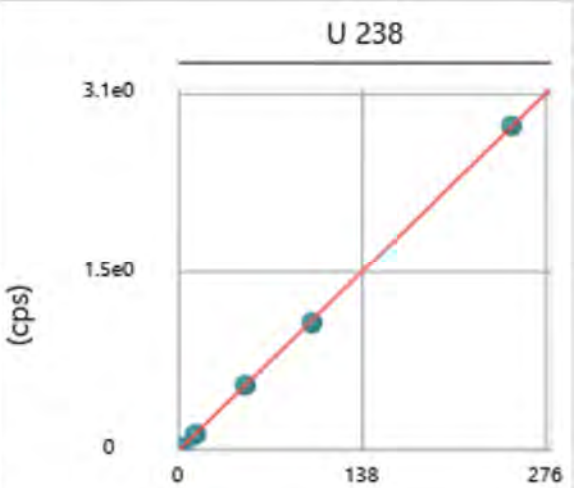
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



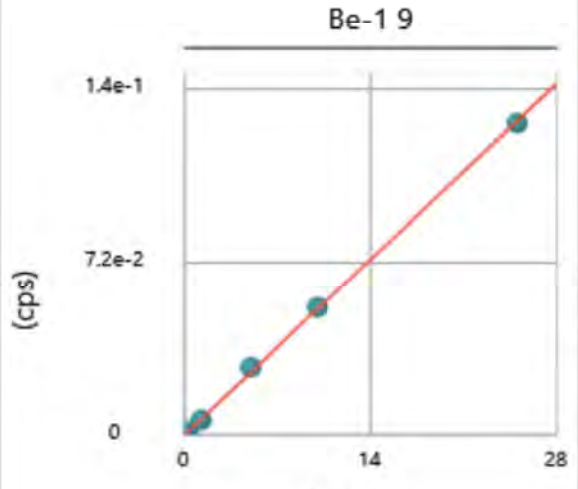
Eqn. : y = 0.010x + 0.000
Cor.Coeff. : 0.999928
BEC : 0.000002 ug/L
DL : 0.000343 ug/L



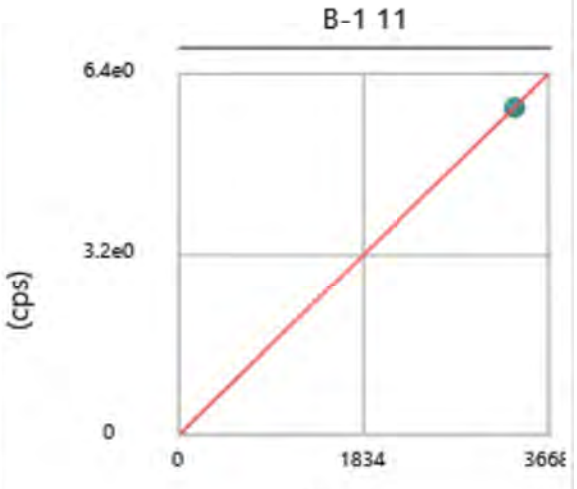
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999697
BEC : -0.000005 ug/L
DL : 0.000822 ug/L



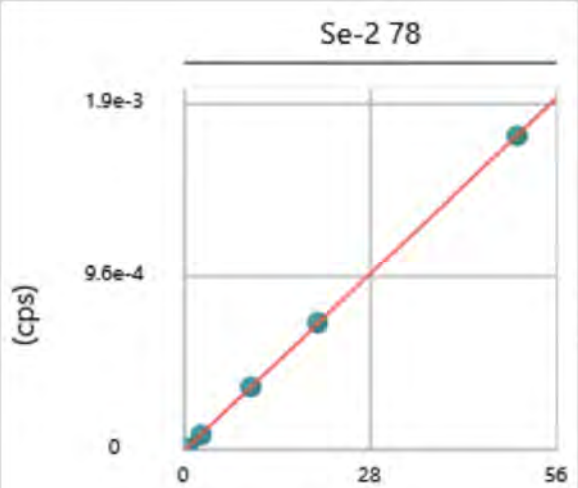
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999976
BEC : 0.000000 ug/L
DL : 0.000340 ug/L



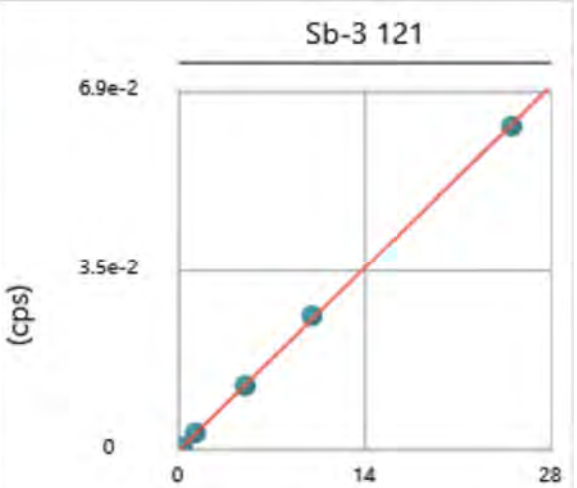
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999852
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



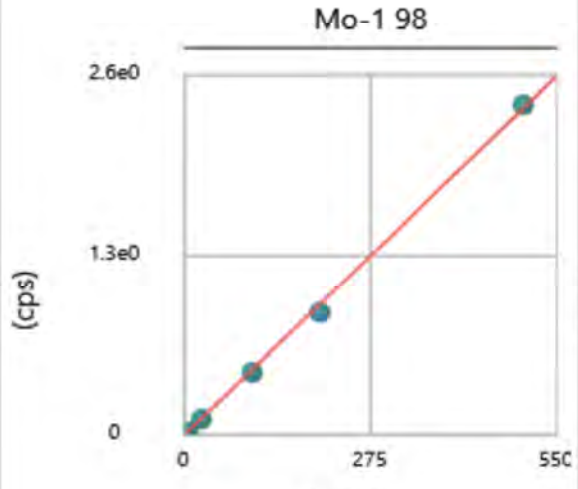
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



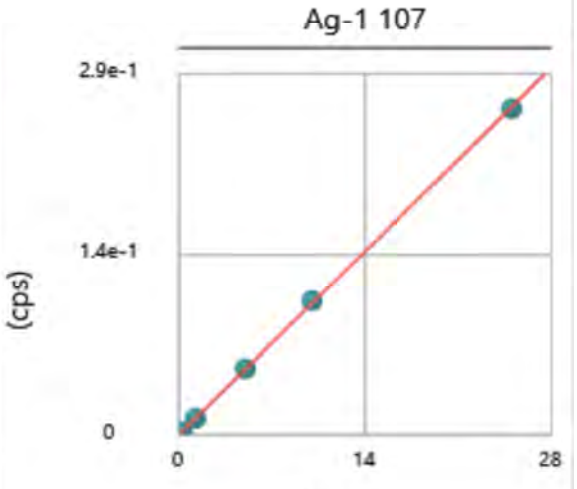
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999986
BEC : -0.003499 ug/L
DL : 0.679380 ug/L



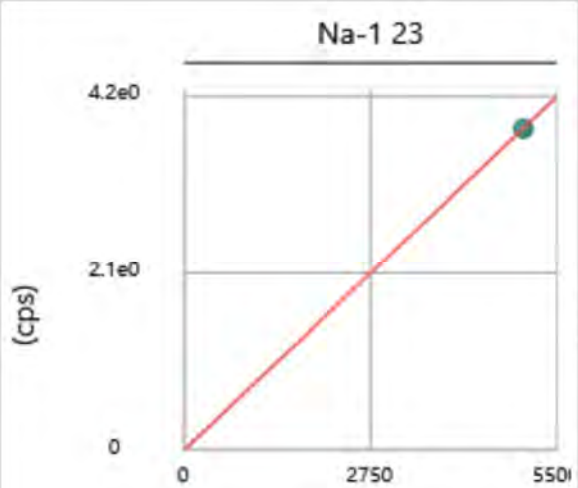
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999930
BEC : 0.000032 ug/L
DL : 0.006826 ug/L



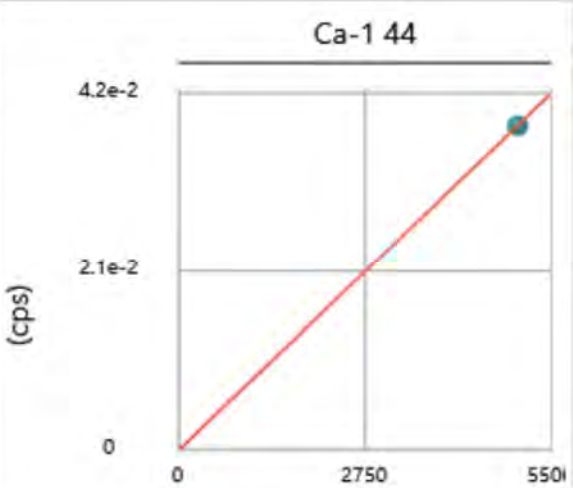
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999661
BEC : -0.000032 ug/L
DL : 0.025589 ug/L



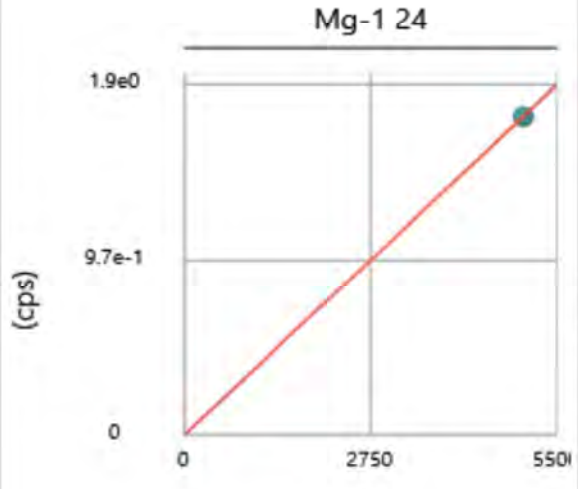
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999954
BEC : -0.000004 ug/L
DL : 0.004940 ug/L



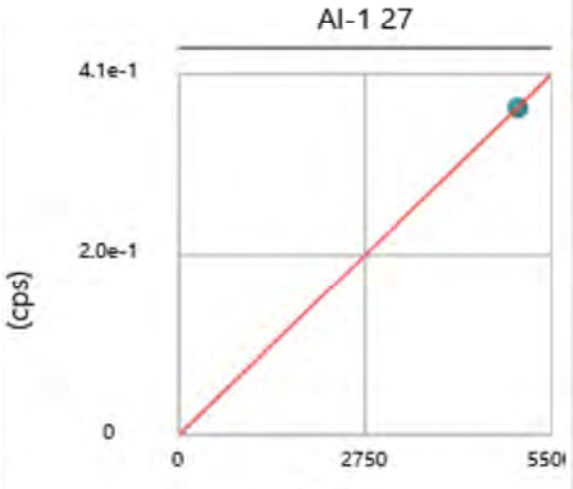
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.008983 mg/L
DL : 1.213492 mg/L



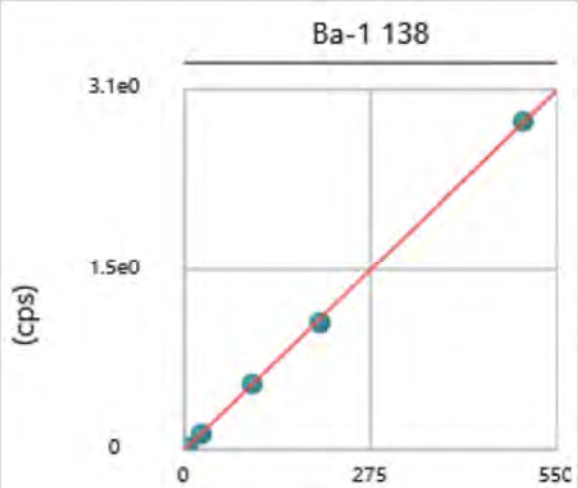
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.025379 mg/L
DL : 2.816413 mg/L



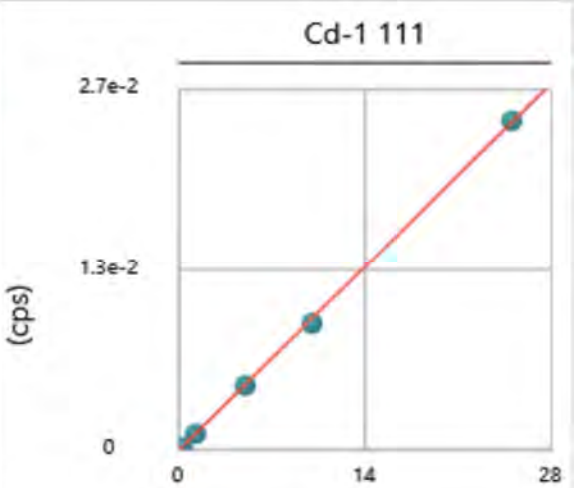
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.000514 mg/L
DL : 0.054988 mg/L



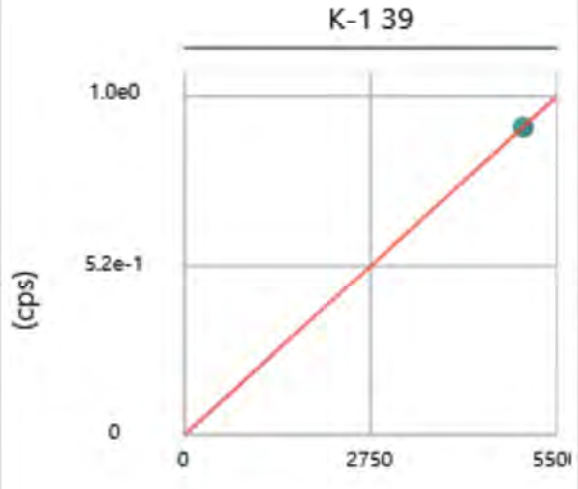
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.001621 mg/L
DL : 0.258677 mg/L



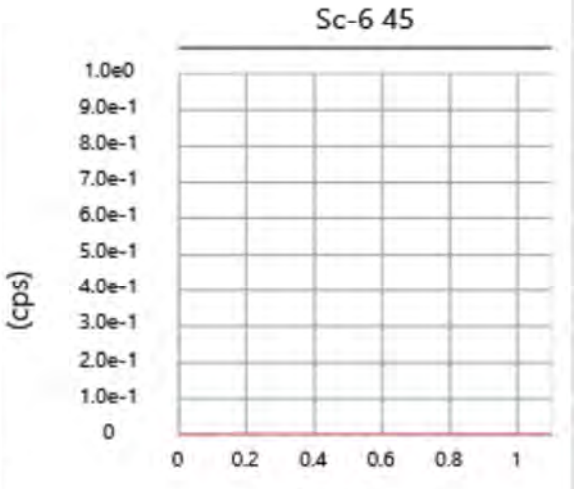
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999934
BEC : -0.000106 mg/L
DL : 0.024106 mg/L



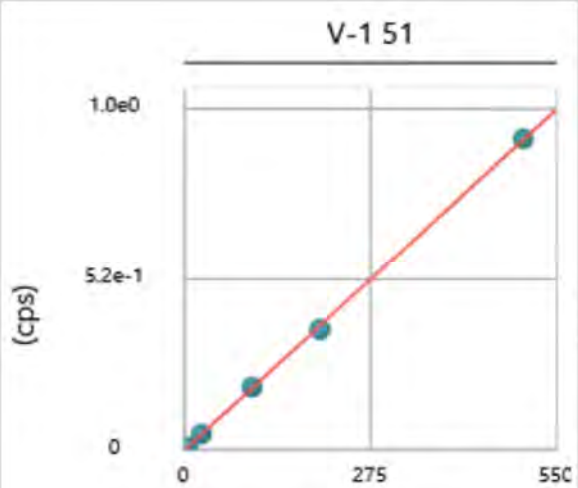
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999901
BEC : 0.000097 mg/L
DL : 0.018243 mg/L



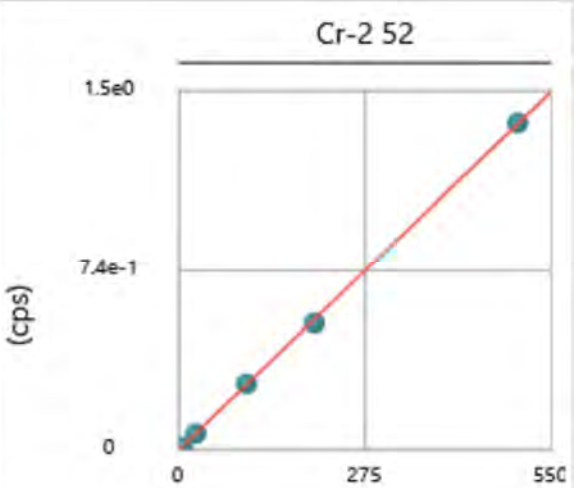
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.180229 mg/L
DL : 20.788284 mg/L



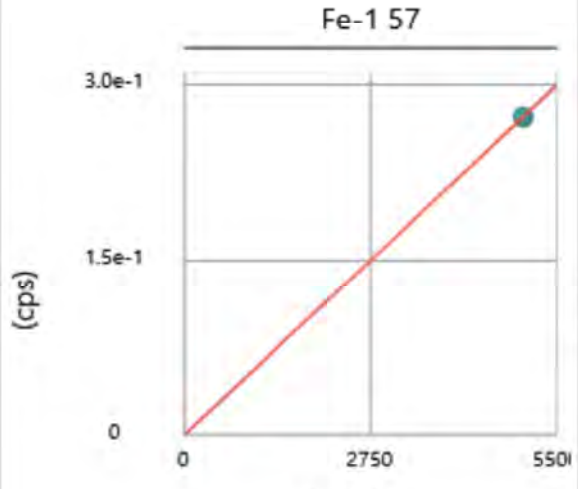
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN mg/L
DL : NaN mg/L



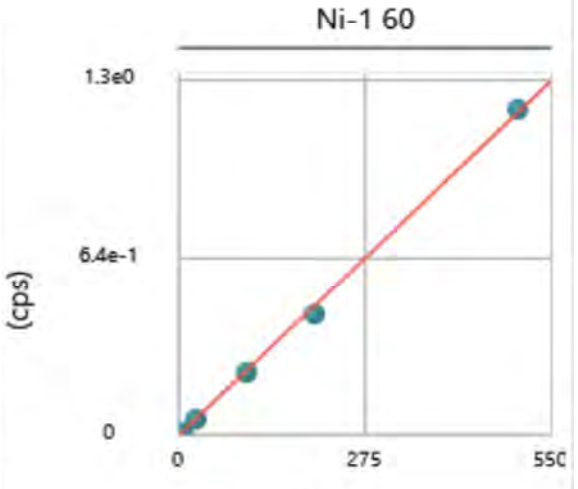
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999938
BEC : 0.000942 ug/L
DL : 0.142258 ug/L



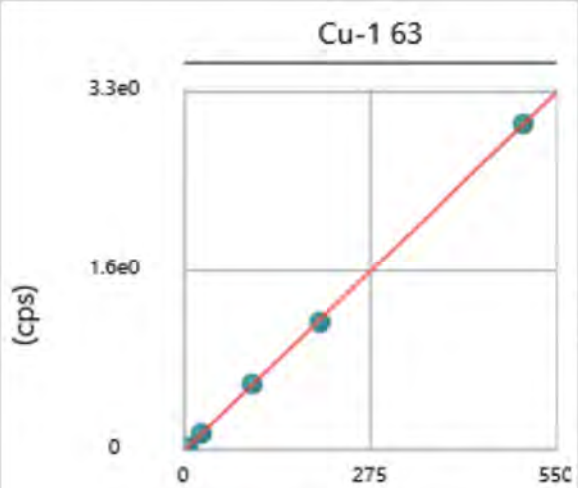
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999940
BEC : -0.000017 ug/L
DL : 0.063070 ug/L



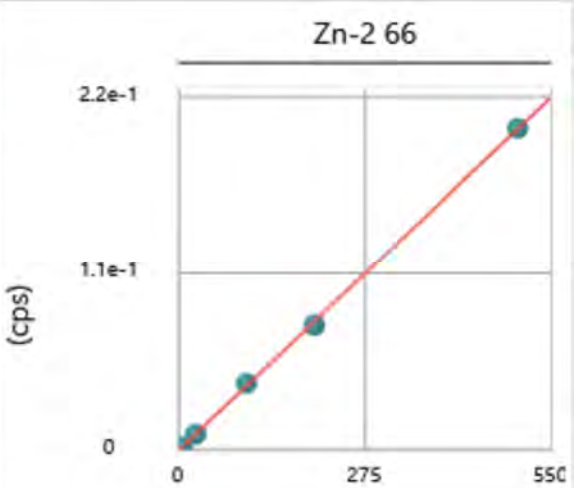
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.003814 ug/L
DL : 0.787623 ug/L



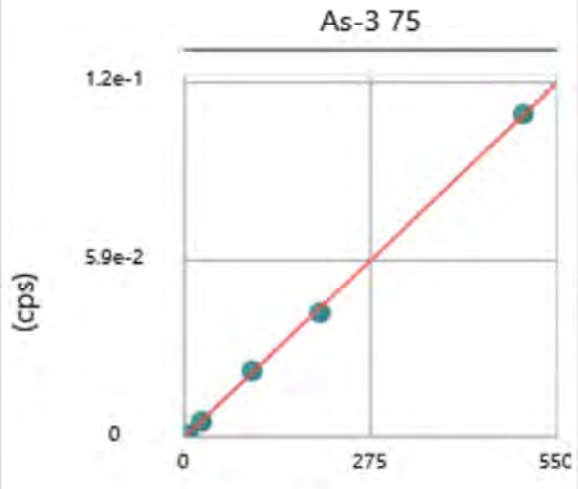
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999667
BEC : 0.000166 ug/L
DL : 0.040110 ug/L



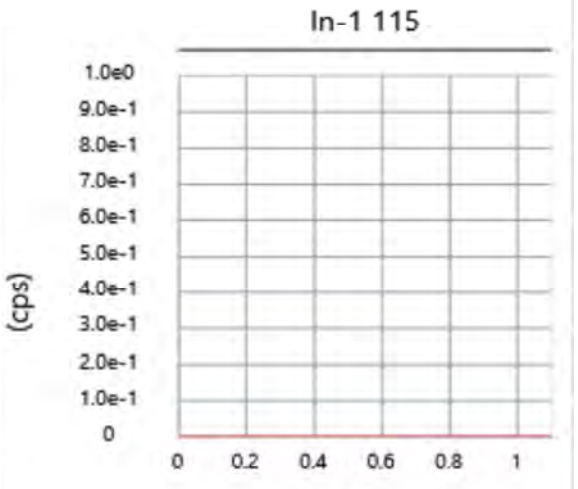
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999964
BEC : 0.000171 ug/L
DL : 0.017935 ug/L



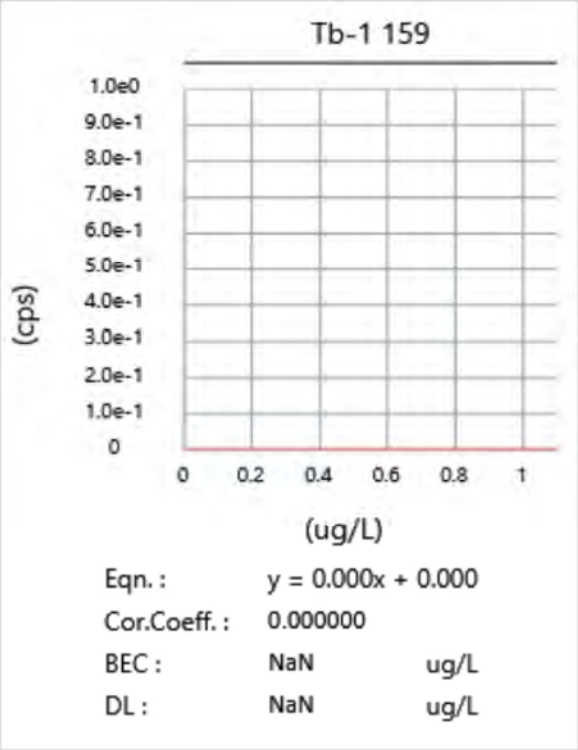
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999917
BEC : 0.000571 ug/L
DL : 0.135267 ug/L

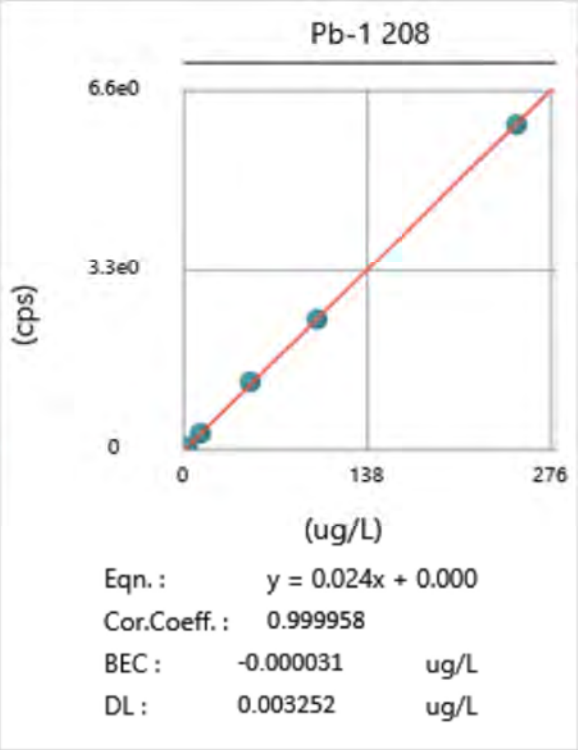


Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999884
BEC : 0.000294 ug/L
DL : 0.053226 ug/L

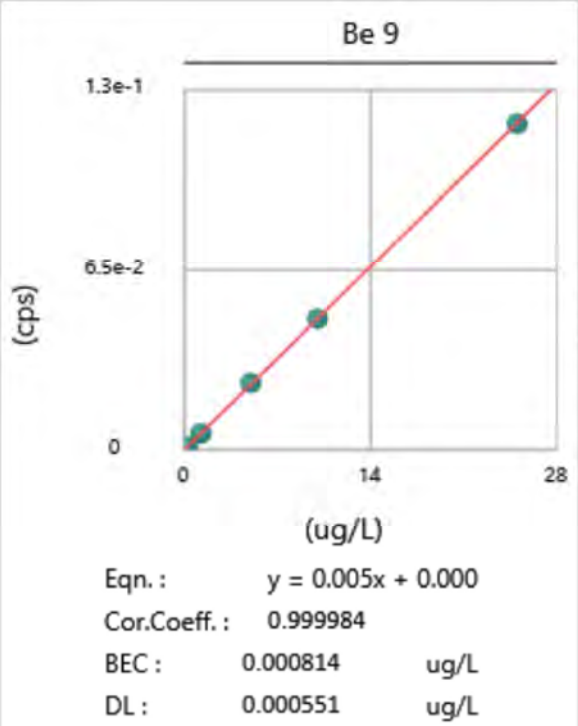


Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L

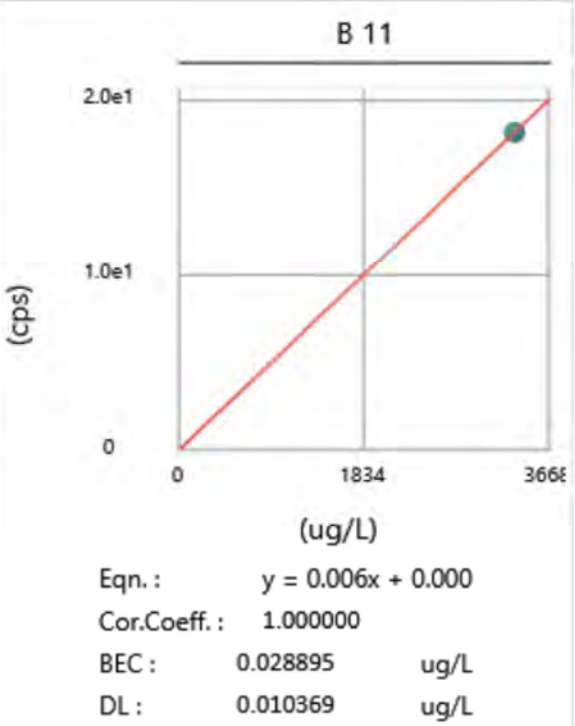

Tb-1 159
1.0e0
9.0e-1
8.0e-1
7.0e-1
6.0e-1
5.0e-1
4.0e-1
3.0e-1
2.0e-1
1.0e-1
0
(cps)
0
0.2
0.4
0.6
0.8
1
(ug/L)
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L


Pb-1 208
6.6e0
3.3e0
0
(cps)
0
138
276
(ug/L)
Eqn. : y = 0.024x + 0.000
Cor.Coeff. : 0.999958
BEC : -0.000031 ug/L
DL : 0.003252 ug/L

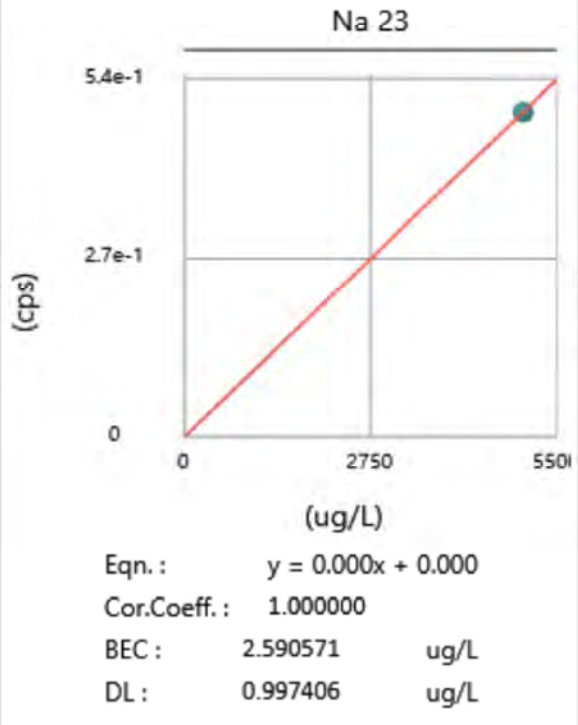
9/20/2021 Calibration



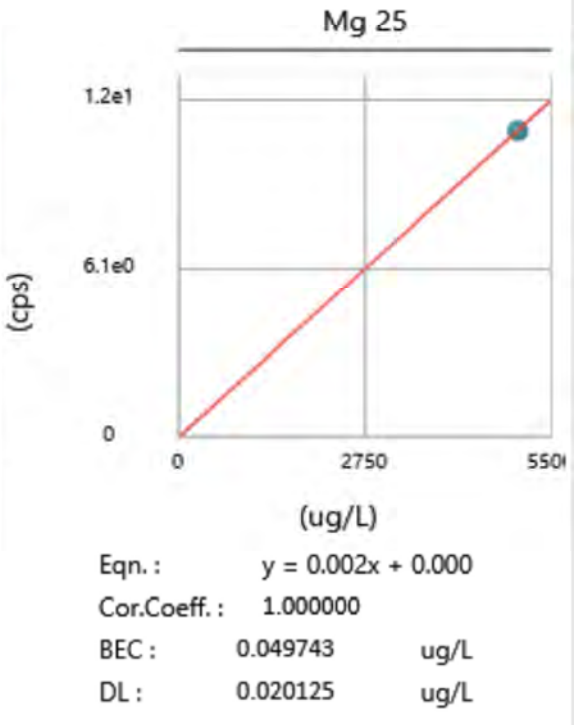
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999984
BEC : 0.000814 ug/L
DL : 0.000551 ug/L



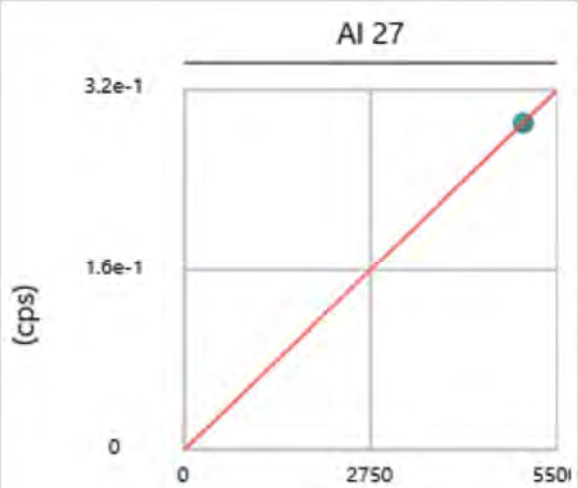
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.028895 ug/L
DL : 0.010369 ug/L



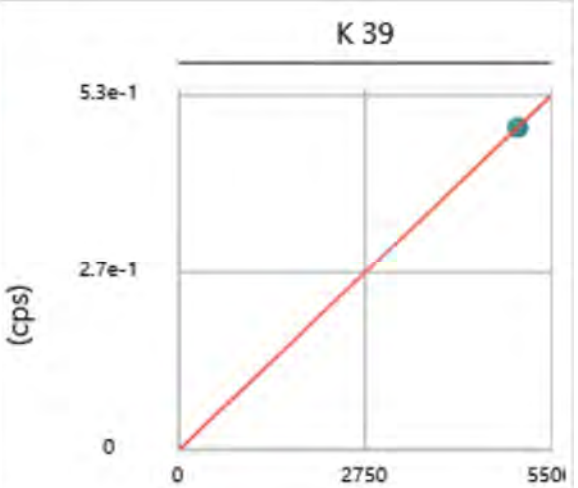
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 2.590571 ug/L
DL : 0.997406 ug/L



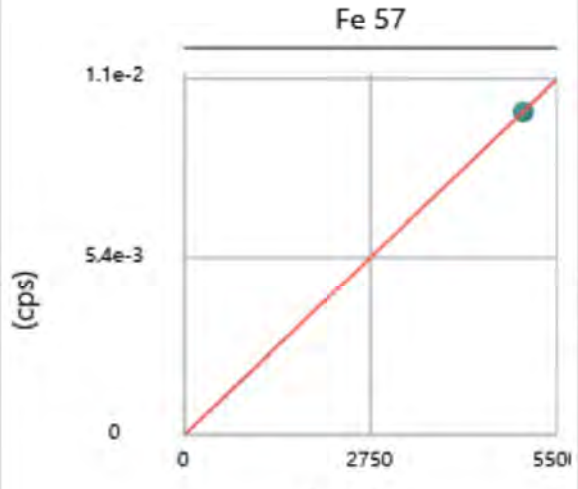
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.049743 ug/L
DL : 0.020125 ug/L



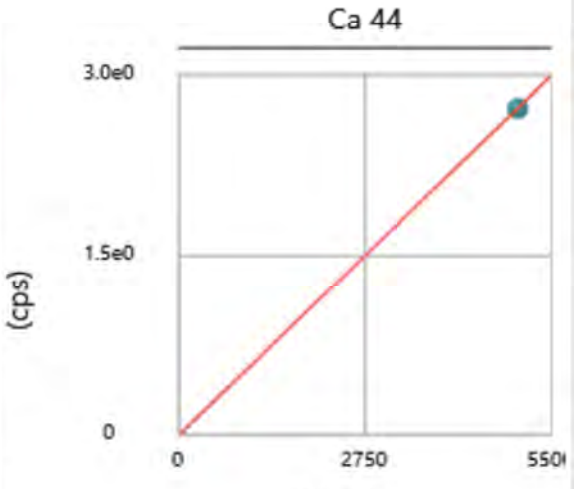
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.105429 ug/L
DL : 0.194623 ug/L



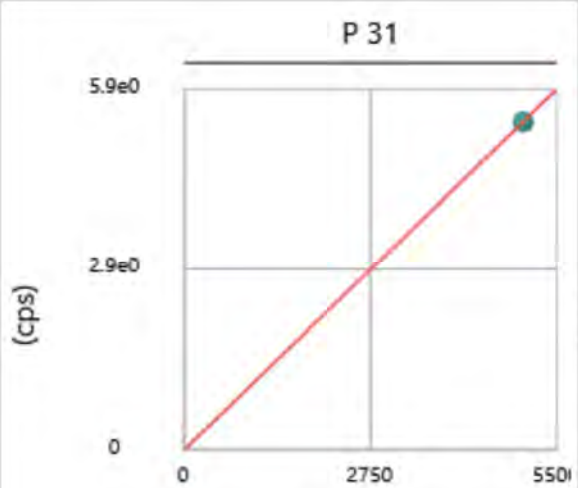
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 48.581819 ug/L
DL : 8.763694 ug/L



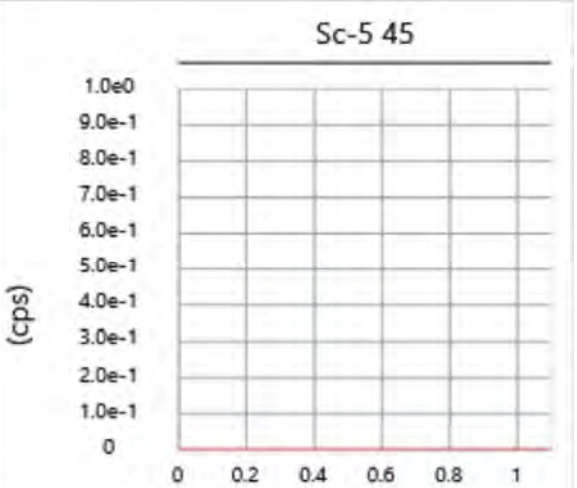
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 21.302378 ug/L
DL : 8.990723 ug/L



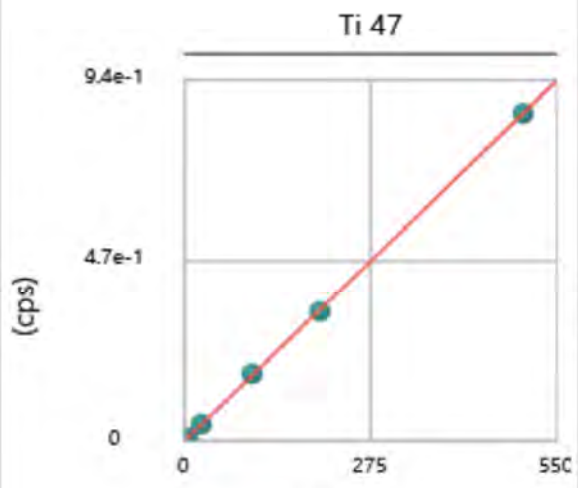
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 7.742137 ug/L
DL : 1.257878 ug/L



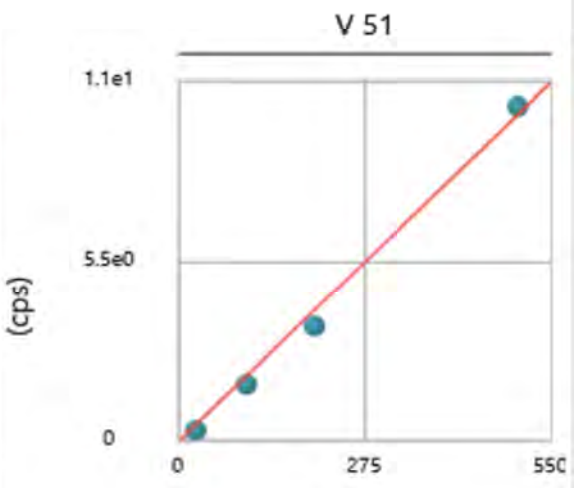
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 30.414527 ug/L
DL : 1.281995 ug/L



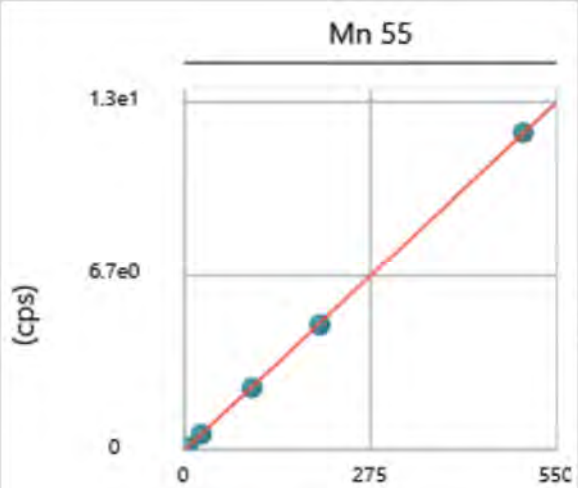
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



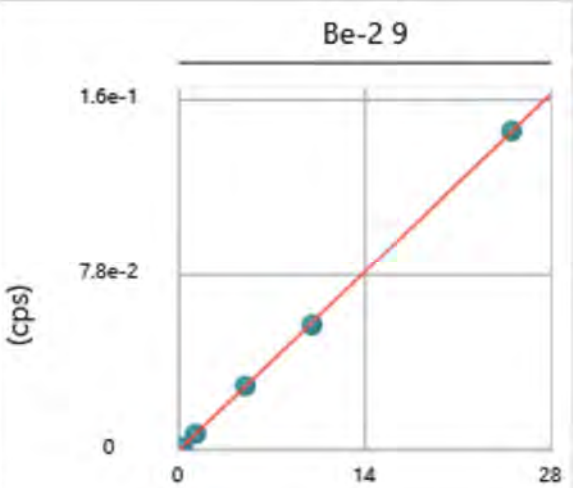
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999978
BEC : 0.085827 ug/L
DL : 0.029734 ug/L



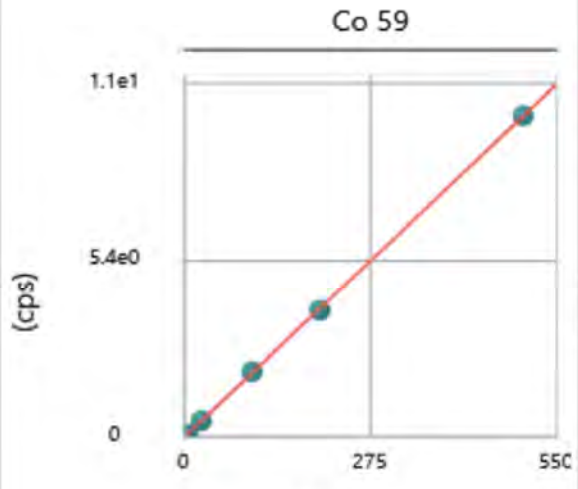
Eqn. : y = 0.020x + 0.000
Cor.Coeff. : 0.998116
BEC : 58.324582 ug/L
DL : 2.571894 ug/L



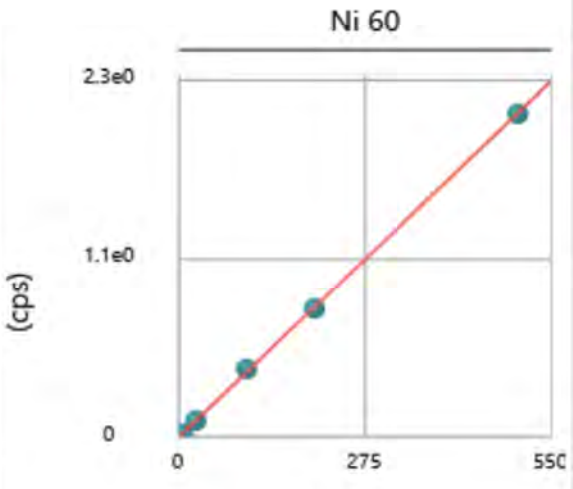
Eqn. : y = 0.025x + 0.000
Cor.Coeff. : 0.999982
BEC : 0.066669 ug/L
DL : 0.004113 ug/L



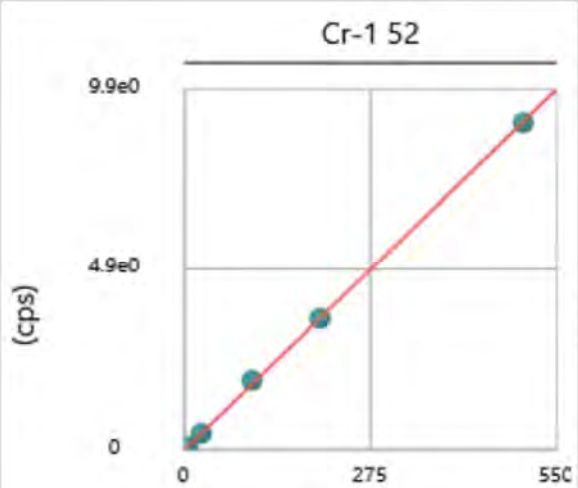
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999971
BEC : 0.000746 ug/L
DL : 0.000556 ug/L



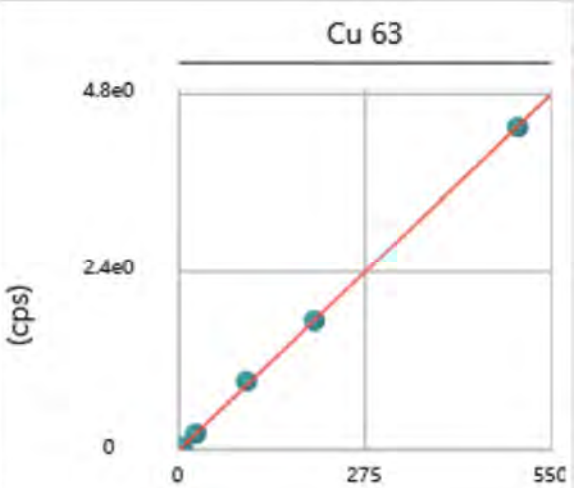
Eqn. : y = 0.020x + 0.000
Cor.Coeff. : 0.999976
BEC : 0.002367 ug/L
DL : 0.001947 ug/L



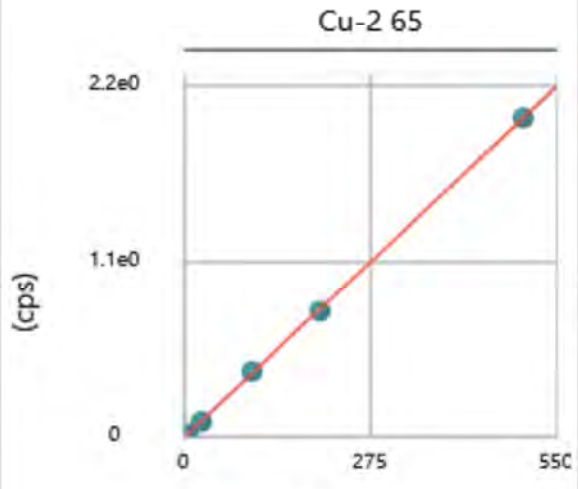
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999941
BEC : 0.021100 ug/L
DL : 0.011860 ug/L



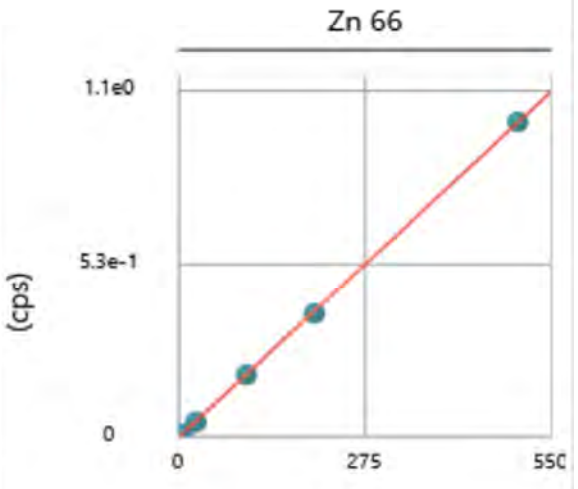
Eqn. : y = 0.018x + 0.000
Cor.Coeff. : 0.999928
BEC : 1.901784 ug/L
DL : 0.261397 ug/L



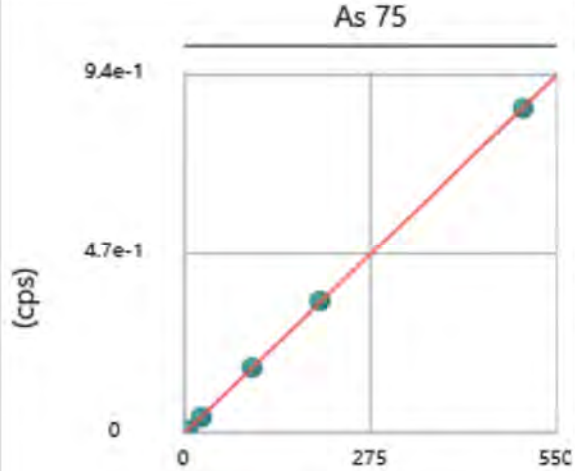
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999927
BEC : 0.021497 ug/L
DL : 0.004356 ug/L



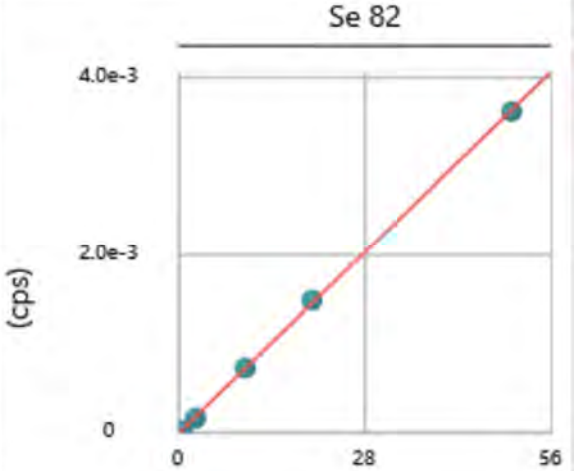
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999969
BEC : 0.018682 ug/L
DL : 0.006337 ug/L



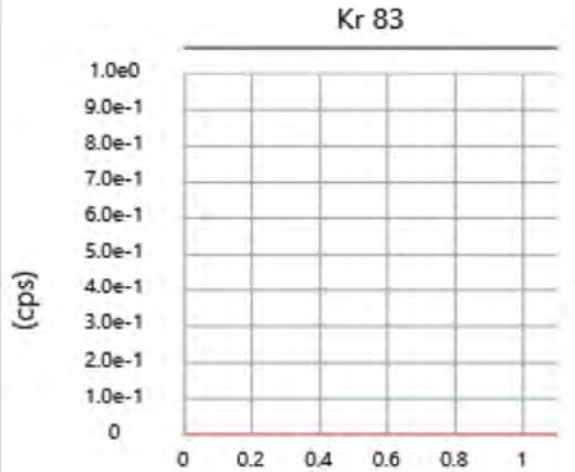
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999971
BEC : 0.072340 ug/L
DL : 0.010363 ug/L



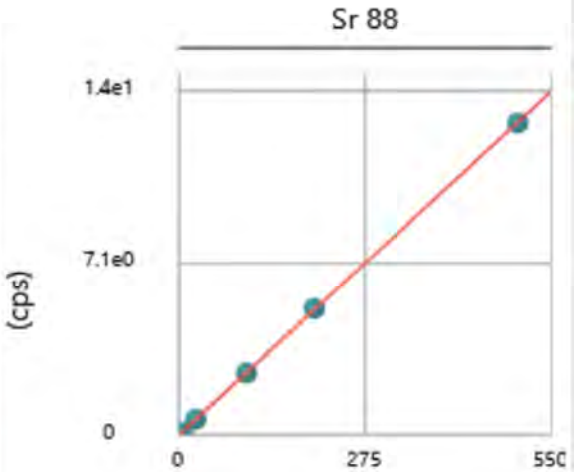
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999988
BEC : 0.194203 ug/L
DL : 0.784082 ug/L



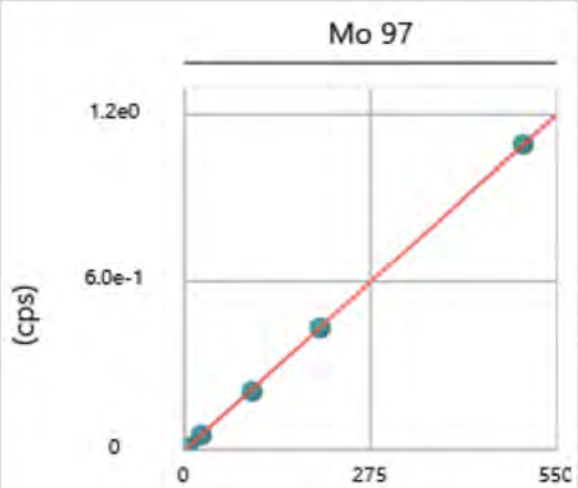
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999936
BEC : -0.265494 ug/L
DL : 0.153707 ug/L



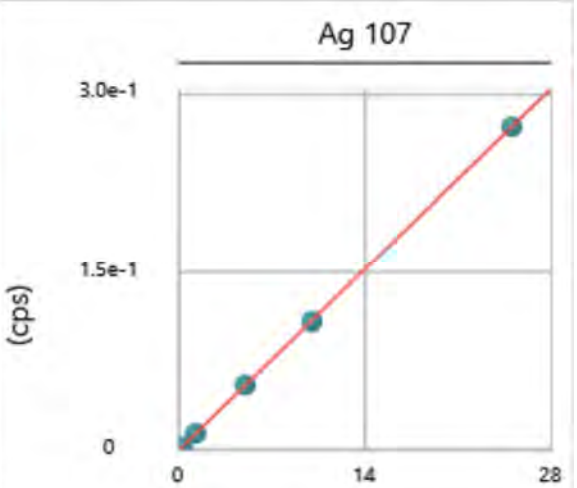
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



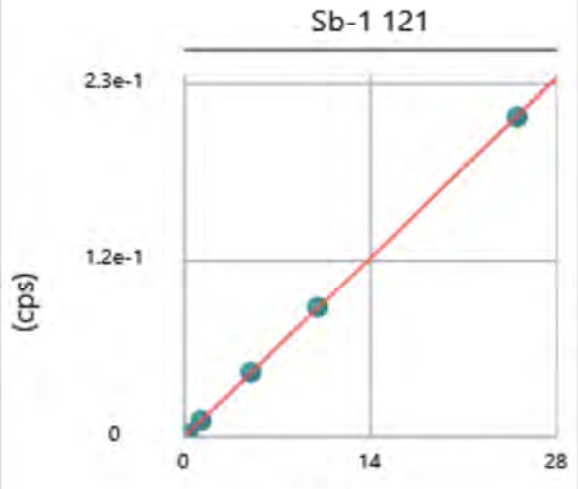
Eqn. : y = 0.026x + 0.000
Cor.Coeff. : 0.999990
BEC : 0.001503 ug/L
DL : 0.000487 ug/L



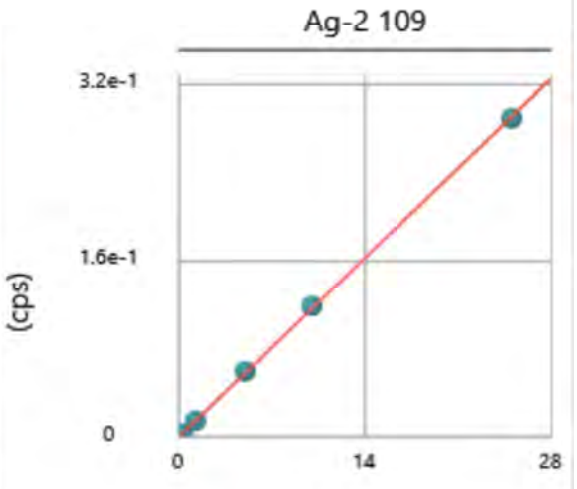
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999975
BEC : 0.026917 ug/L
DL : 0.027346 ug/L



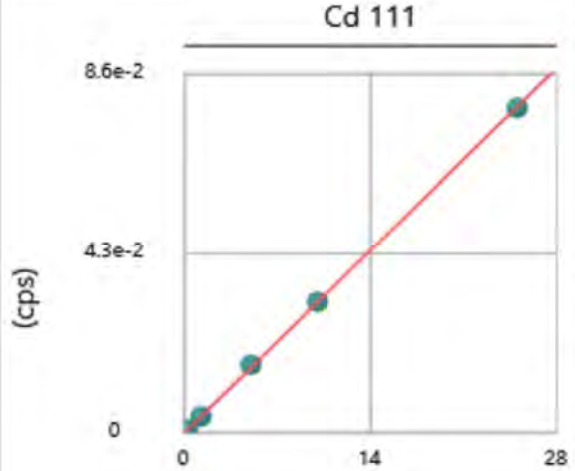
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999994
BEC : 0.009474 ug/L
DL : 0.000813 ug/L



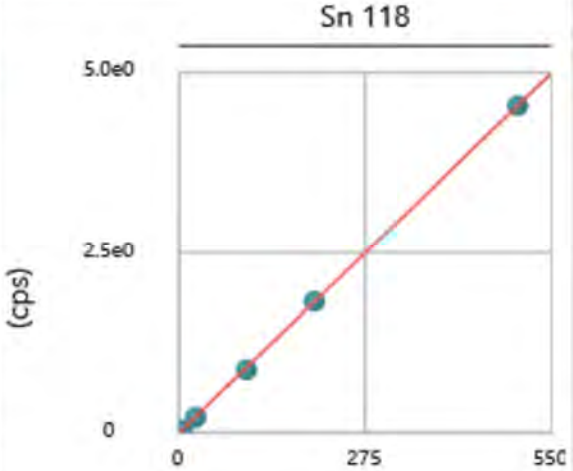
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999987
BEC : 0.007427 ug/L
DL : 0.000336 ug/L



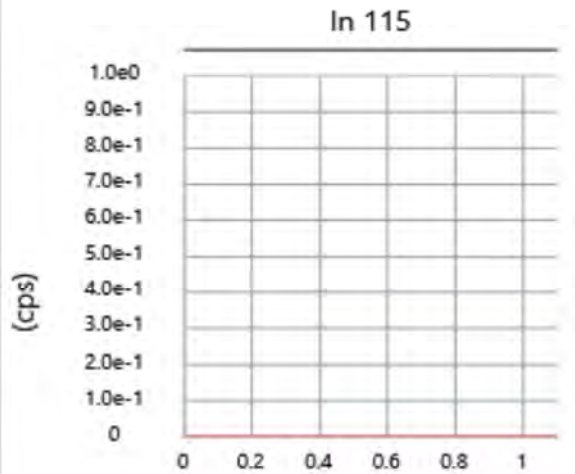
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999948
BEC : 0.007591 ug/L
DL : 0.002709 ug/L



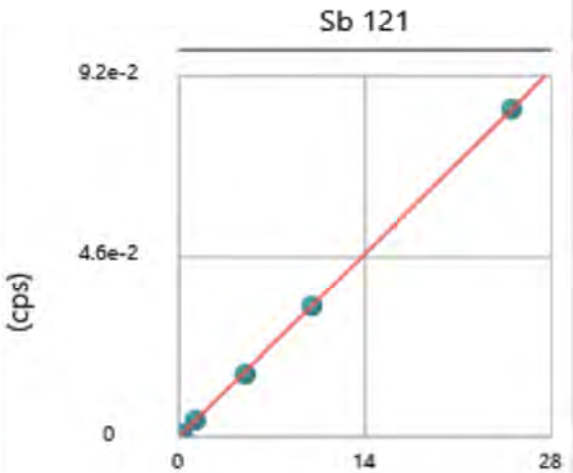
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999959
BEC : 0.000856 ug/L
DL : 0.002280 ug/L



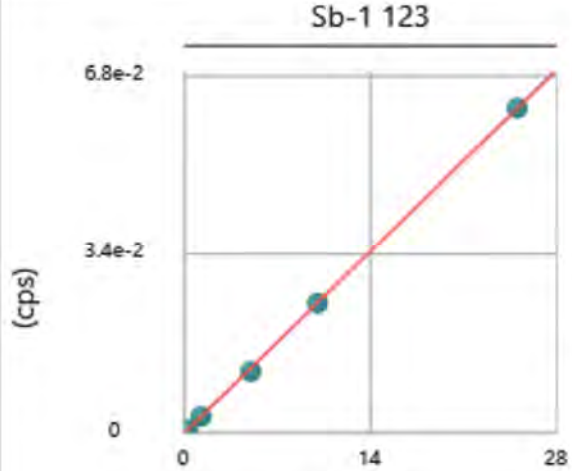
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999981
BEC : 0.085758 ug/L
DL : 0.017037 ug/L



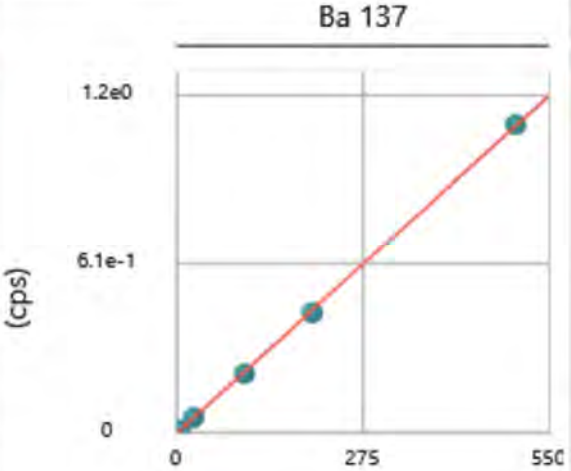
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



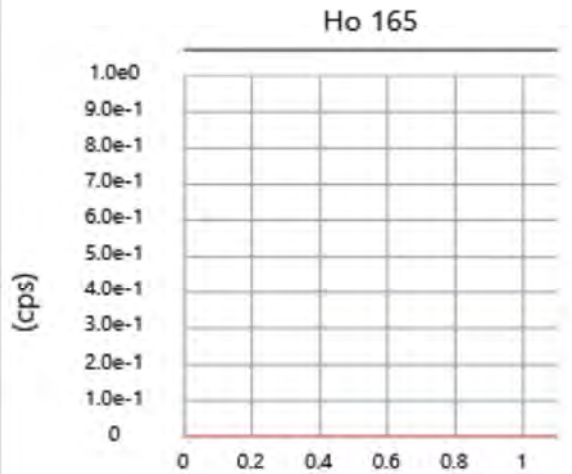
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999970
BEC : 0.007294 ug/L
DL : 0.000479 ug/L



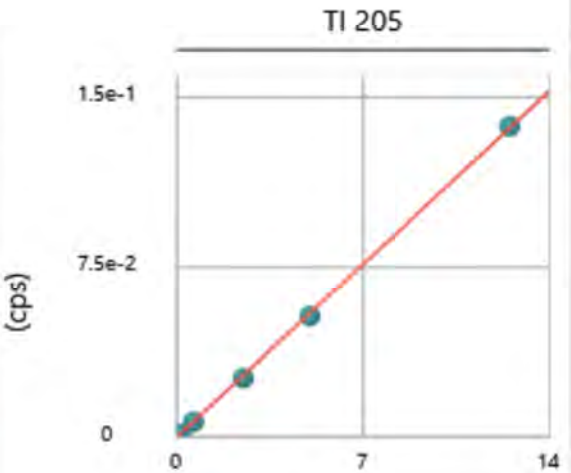
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999954
BEC : 0.007632 ug/L
DL : 0.002526 ug/L



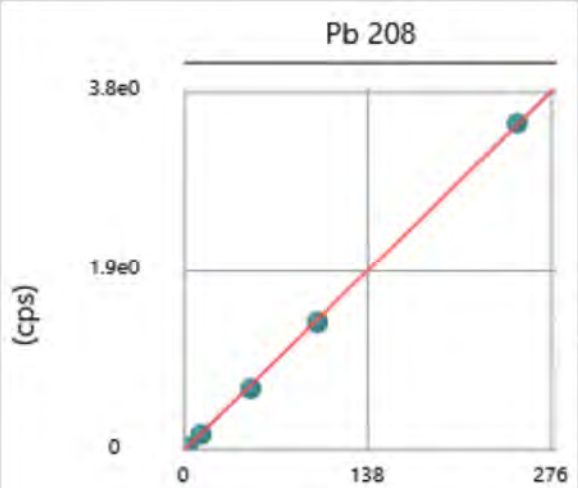
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999946
BEC : 0.004258 ug/L
DL : 0.004203 ug/L



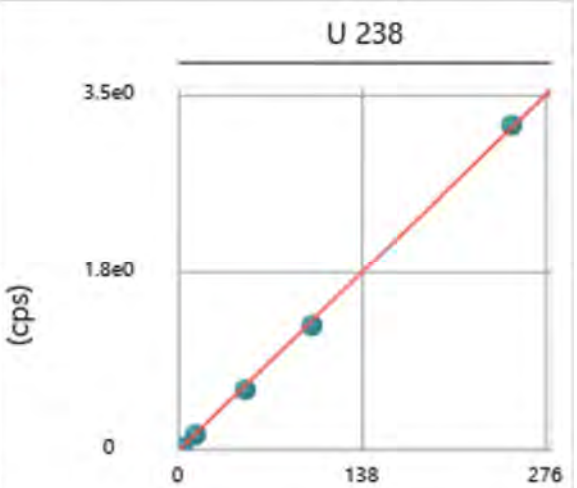
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



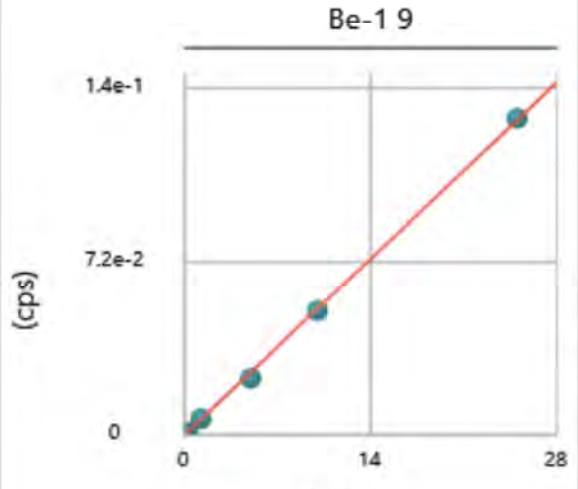
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999911
BEC : 0.000480 ug/L
DL : 0.000738 ug/L



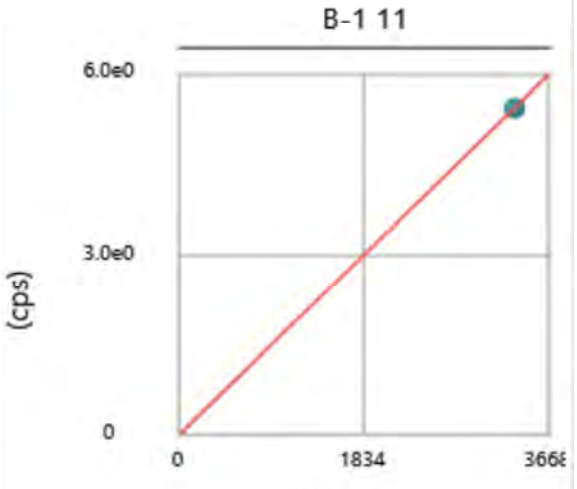
Eqn. : y = 0.014x + 0.000
Cor.Coeff. : 0.999914
BEC : 0.004111 ug/L
DL : 0.001450 ug/L



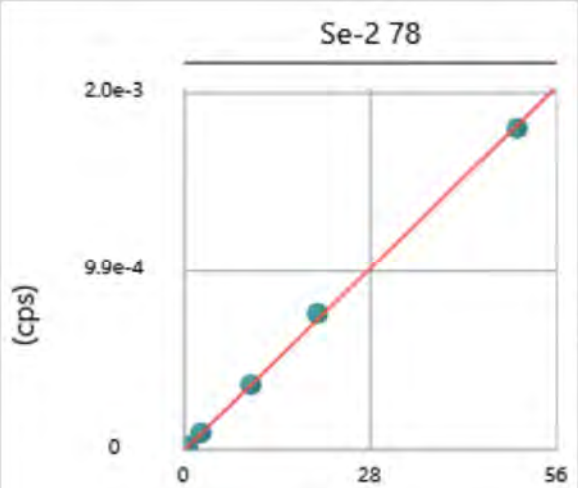
Eqn. : y = 0.013x + 0.000
Cor.Coeff. : 0.999824
BEC : 0.000058 ug/L
DL : 0.000299 ug/L



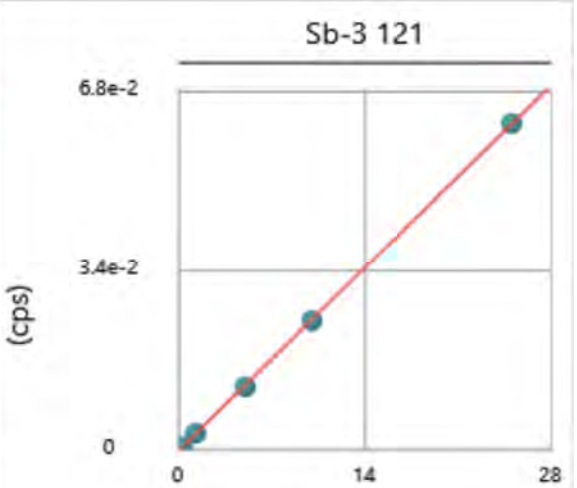
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999817
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



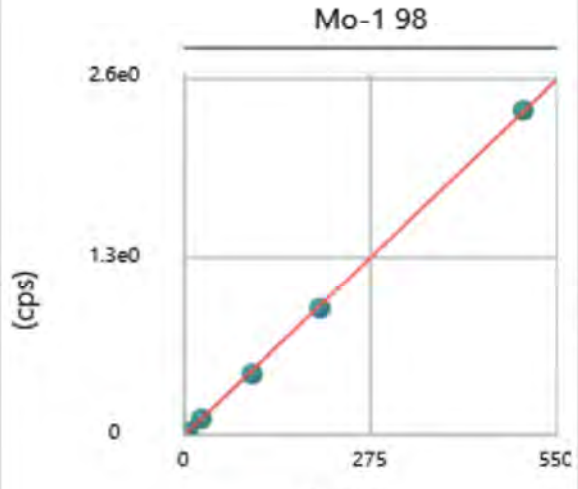
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



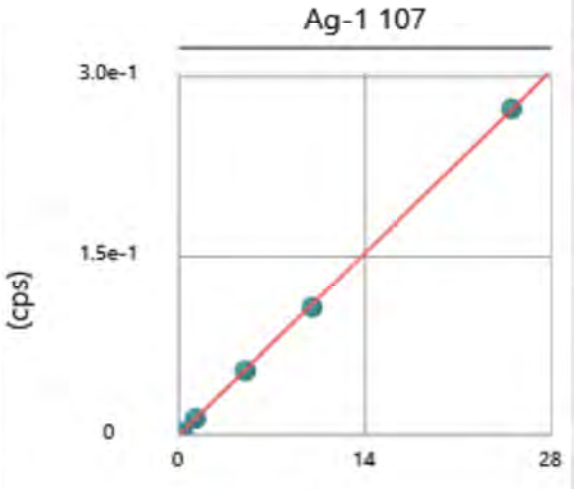
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999800
BEC : 0.693528 ug/L
DL : 0.424240 ug/L



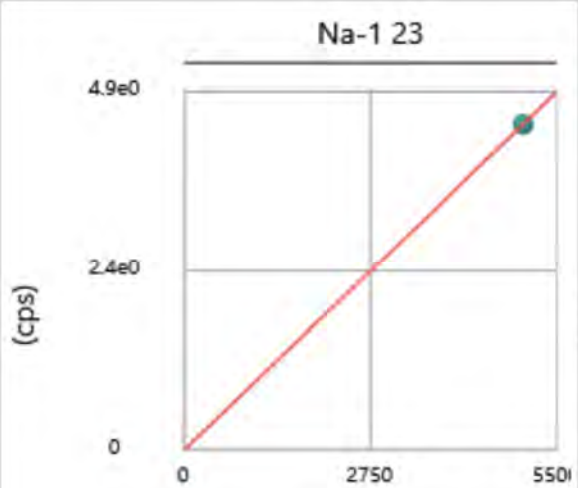
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999978
BEC : 0.009360 ug/L
DL : 0.008394 ug/L



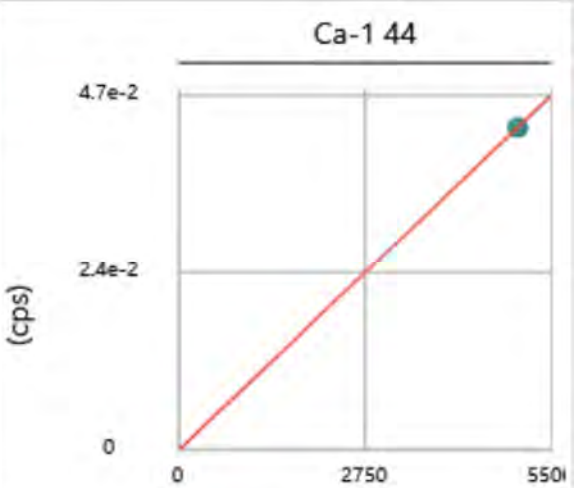
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999908
BEC : 0.009817 ug/L
DL : 0.006950 ug/L



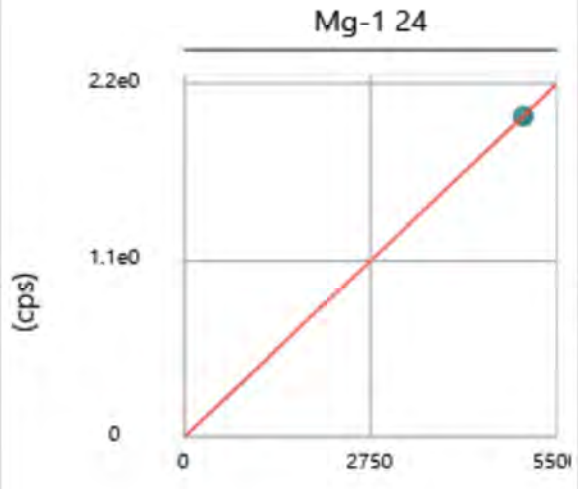
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999966
BEC : 0.008493 ug/L
DL : 0.000199 ug/L



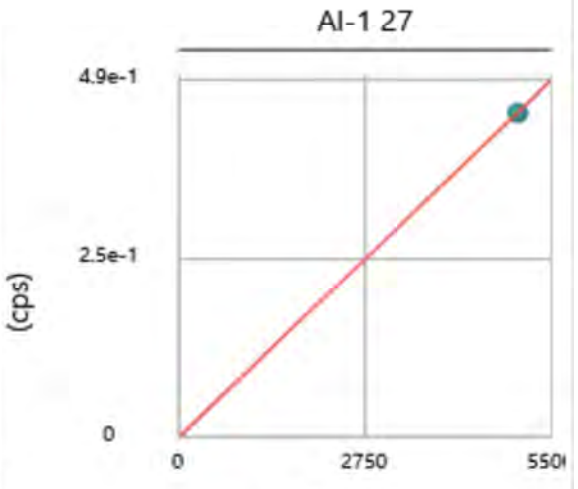
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 2.626817 mg/L
DL : 0.536564 mg/L



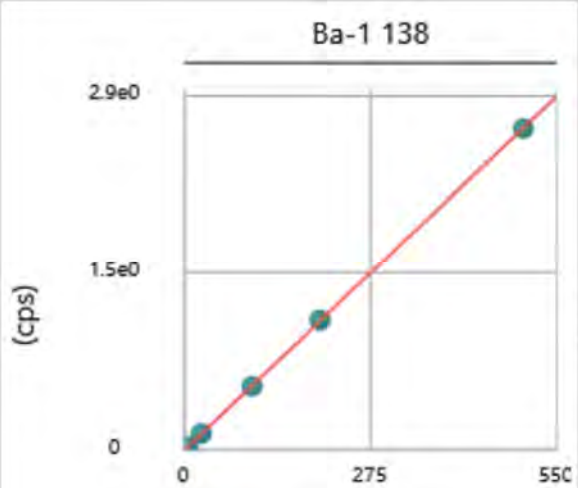
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 1.411611 mg/L
DL : 3.864799 mg/L



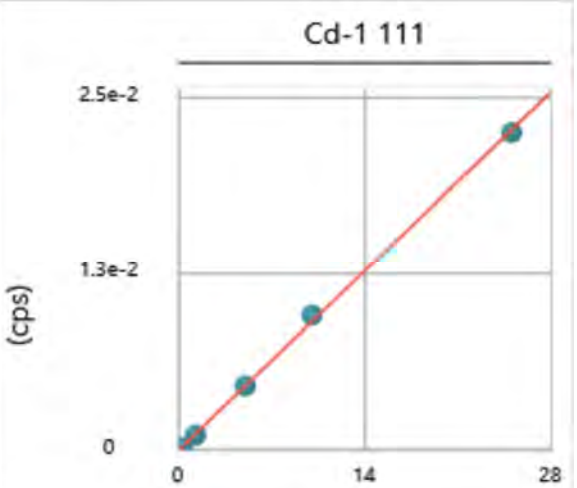
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.093969 mg/L
DL : 0.124330 mg/L



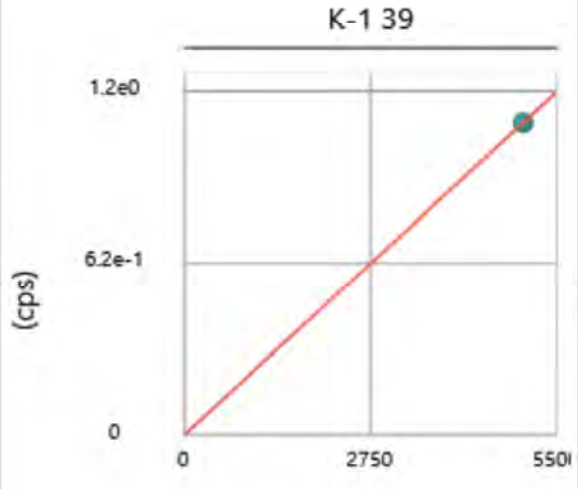
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.040846 mg/L
DL : 0.212244 mg/L



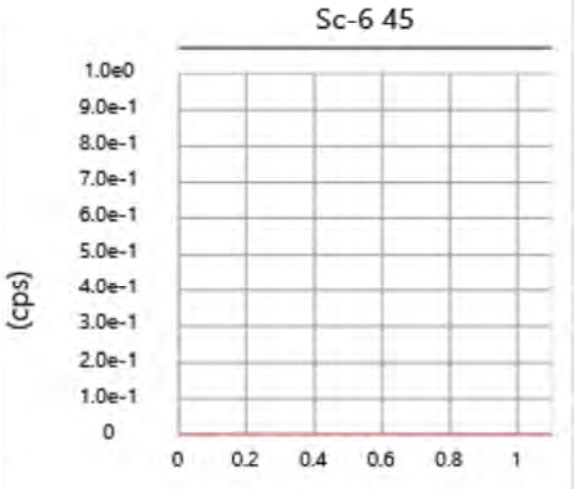
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999995
BEC : 0.004145 mg/L
DL : 0.006246 mg/L



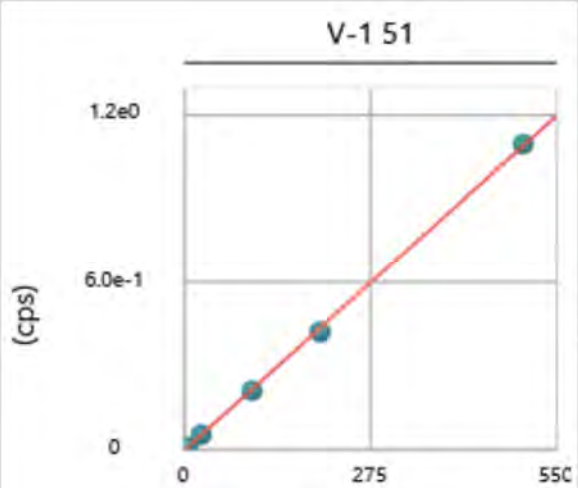
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999793
BEC : 0.017692 mg/L
DL : 0.036312 mg/L



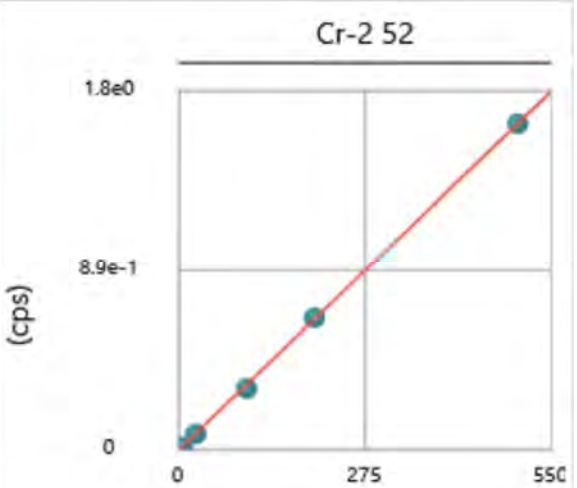
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 85.222624 mg/L
DL : 16.413062 mg/L



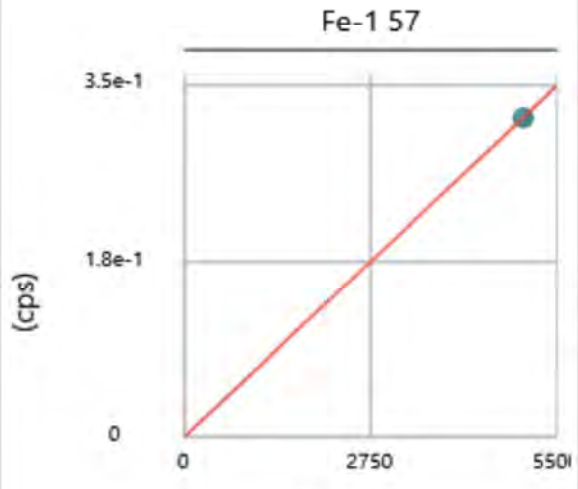
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN mg/L
DL : NaN mg/L



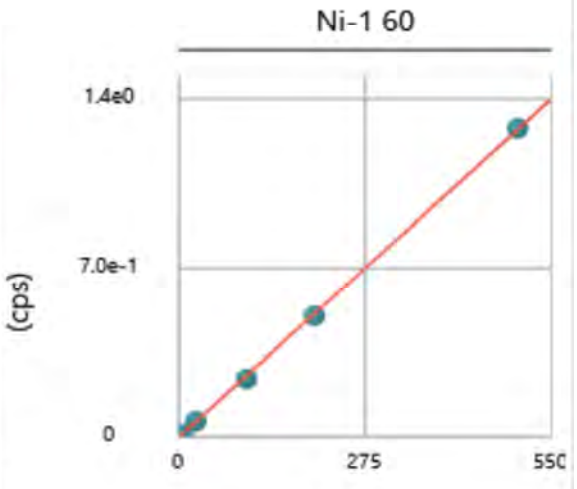
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999918
BEC : 0.463070 ug/L
DL : 0.316393 ug/L



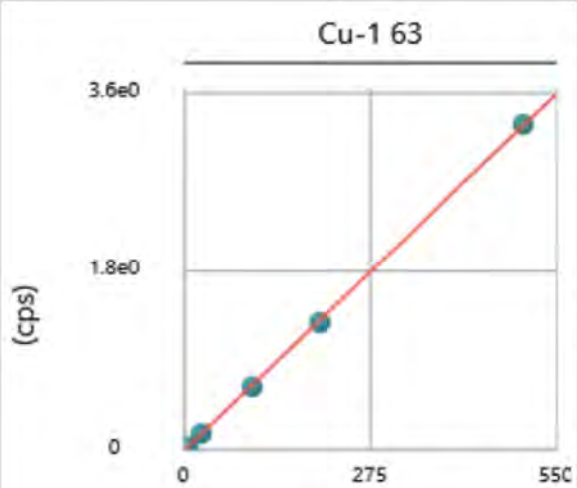
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999944
BEC : 0.040901 ug/L
DL : 0.025311 ug/L



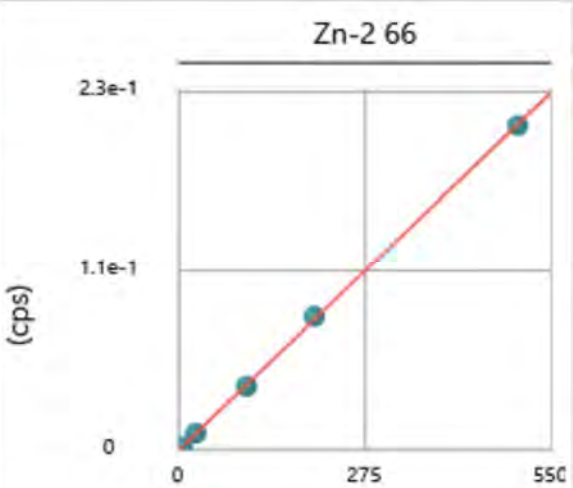
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.342770 ug/L
DL : 0.890638 ug/L



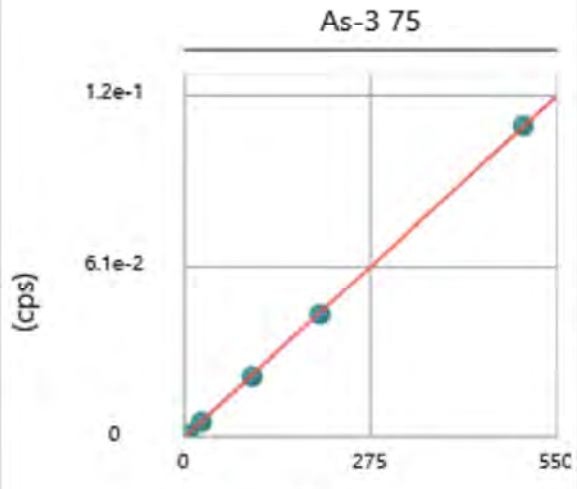
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999928
BEC : 0.023174 ug/L
DL : 0.038400 ug/L



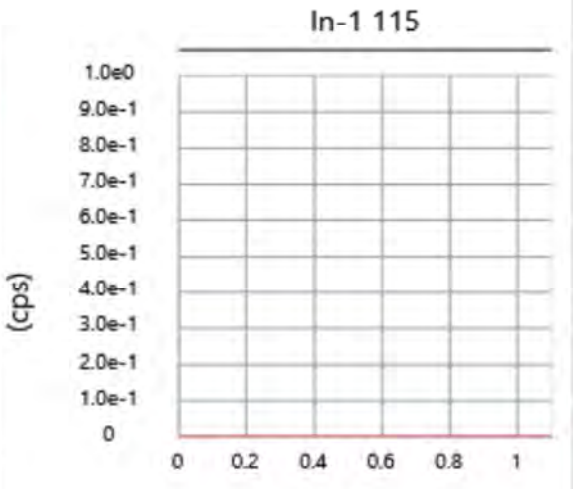
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999962
BEC : 0.014178 ug/L
DL : 0.015451 ug/L



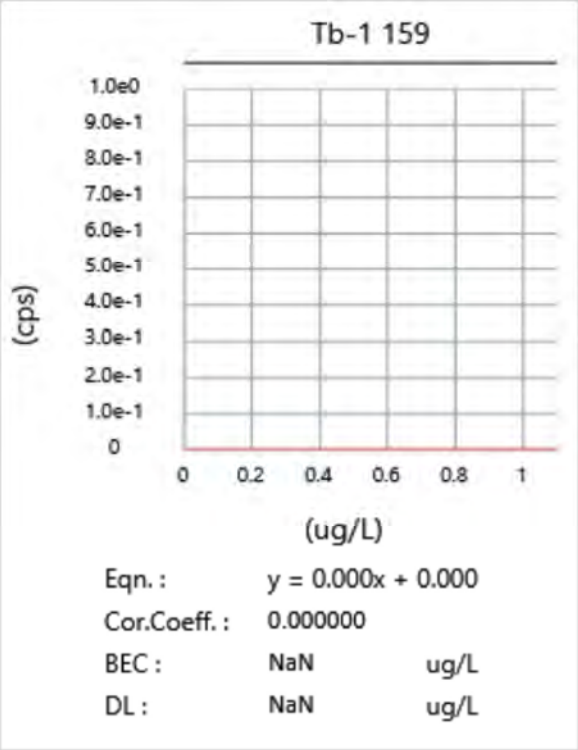
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999949
BEC : 0.080508 ug/L
DL : 0.086361 ug/L

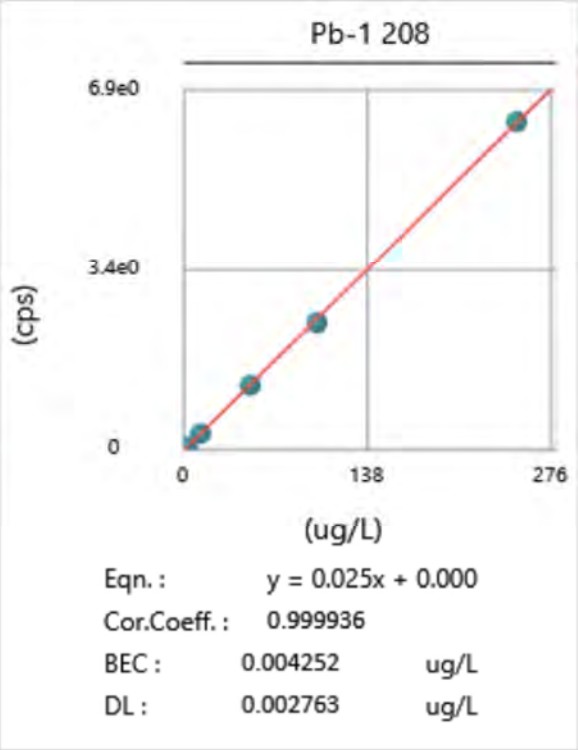


Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999970
BEC : 0.078485 ug/L
DL : 0.140333 ug/L



Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L


Tb-1 159
1.0e0
9.0e-1
8.0e-1
7.0e-1
6.0e-1
5.0e-1
4.0e-1
3.0e-1
2.0e-1
1.0e-1
0
(cps)
0
0.2
0.4
0.6
0.8
1
(ug/L)
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L


Pb-1 208
6.9e0
3.4e0
0
(cps)
0
138
276
(ug/L)
Eqn. : y = 0.025x + 0.000
Cor.Coeff. : 0.999936
BEC : 0.004252 ug/L
DL : 0.002763 ug/L

Tunes

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 9/16/2021 9:41:17 AM
End Time: 9/16/2021 9:43:41 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 13567.51
Obtained Intensity (Mg 24): 42417.90
Obtained Intensity (In 115): 70795.07
Obtained Intensity (U 238): 54802.00
Obtained Intensity (Bkgd 220): 0.10
Obtained Formula (CeO 156 / Ce 140): 0.023 (=1640.76 / 72637.55)
Obtained Formula (Ce++ 70 / Ce 140): 0.012 (=840.76 / 72637.55)
Obtained RSD (Be 9): 0.0110
Obtained RSD (Mg 24): 0.0178
Obtained RSD (In 115): 0.0130
Obtained RSD (U 238): 0.0167

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 9/16/2021 9:41:17 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 13567.51
Obtained Intensity (Mg 24): 42417.90
Obtained Intensity (In 115): 70795.07
Obtained Intensity (U 238): 54802.00
Obtained Intensity (Bkgd 220): 0.10
Obtained Formula (CeO 156 / Ce 140): 0.023 (=1640.76 / 72637.55)
Obtained Formula (Ce++ 70 / Ce 140): 0.012 (=840.76 / 72637.55)
Obtained RSD (Be 9): 0.0110
Obtained RSD (Mg 24): 0.0178
Obtained RSD (In 115): 0.0130
Obtained RSD (U 238): 0.0167

[Passed] Optimum value(s): N/A

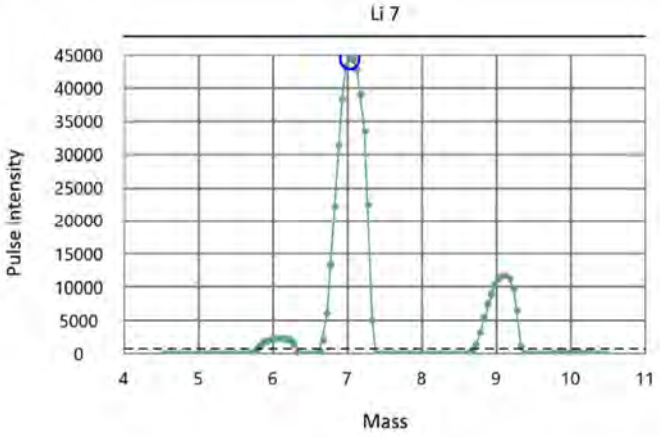
End Time: 9/16/2021 9:43:41 AM

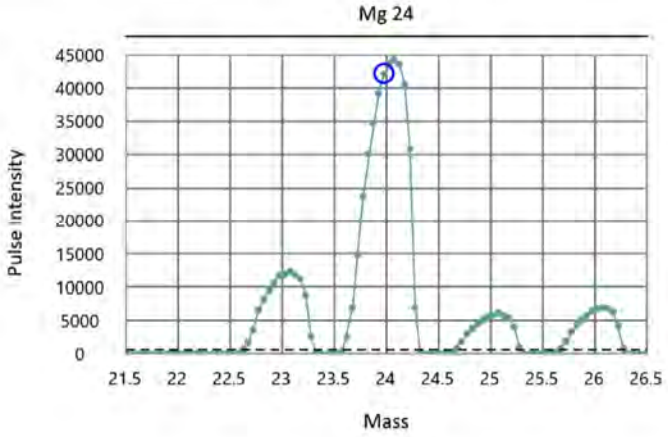
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.677)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.694)
Target/Obtained mass (114.904/114.875), Target/Obtained resolution (0.7/0.676)
Target/Obtained mass (207.977/208.025), Target/Obtained resolution (0.7/0.702)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.704)

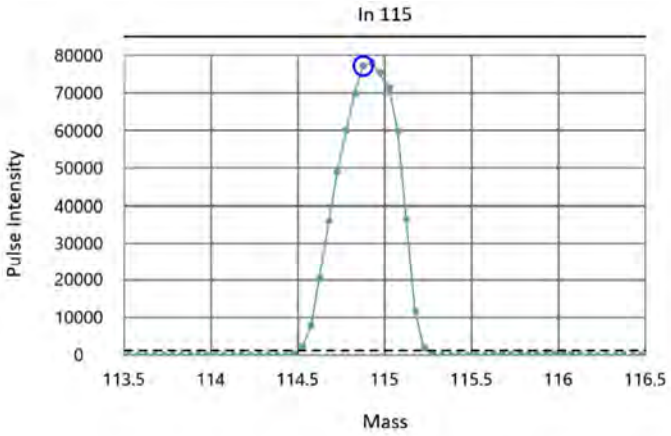
Acq. Date/Time: 9/16/2021 9:14:51 AM

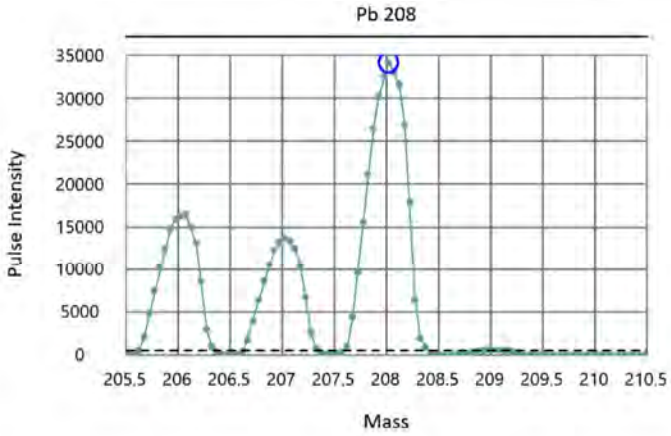
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

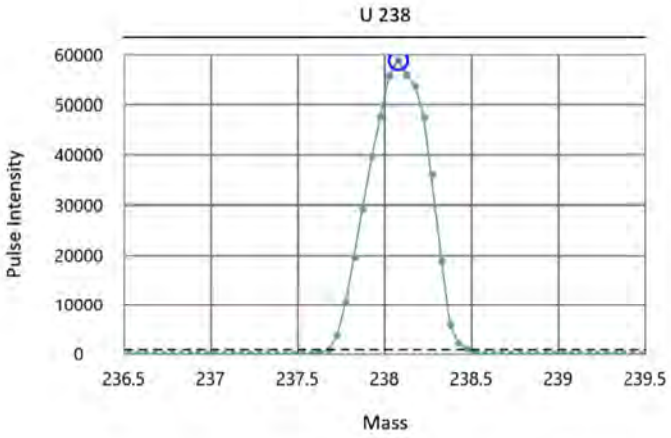
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1324	2022	0.677	
Mg	23.985	23.975	4709	2023	0.694	
In	114.904	114.875	22848	2041	0.676	
Pb	207.977	208.025	41425	2060	0.702	
U	238.05	238.075	47419	2067	0.704	











SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 9/17/2021 9:06:21 AM
End Time: 9/17/2021 9:08:46 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 6412.31
Obtained Intensity (Mg 24): 29546.47
Obtained Intensity (In 115): 52022.78
Obtained Intensity (U 238): 40783.88
Obtained Intensity (Bkgd 220): 0.97
Obtained Formula (CeO 156 / Ce 140): 0.020 (=1418.60 / 71161.74)
Obtained Formula (Ce++ 70 / Ce 140): 0.009 (=607.88 / 71161.74)
Obtained RSD (Be 9): 0.0187
Obtained RSD (Mg 24): 0.0267
Obtained RSD (In 115): 0.0197
Obtained RSD (U 238): 0.0192

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 9/17/2021 9:06:21 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 6412.31
Obtained Intensity (Mg 24): 29546.47
Obtained Intensity (In 115): 52022.78
Obtained Intensity (U 238): 40783.88
Obtained Intensity (Bkgd 220): 0.97
Obtained Formula (CeO 156 / Ce 140): 0.020 (=1418.60 / 71161.74)
Obtained Formula (Ce++ 70 / Ce 140): 0.009 (=607.88 / 71161.74)
Obtained RSD (Be 9): 0.0187
Obtained RSD (Mg 24): 0.0267
Obtained RSD (In 115): 0.0197
Obtained RSD (U 238): 0.0192

[Passed] Optimum value(s): N/A

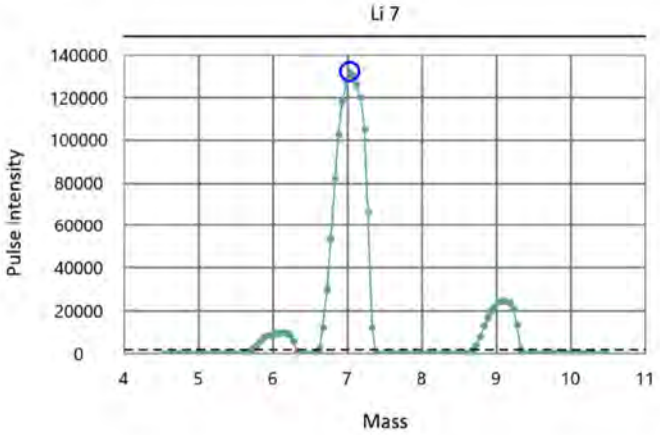
End Time: 9/17/2021 9:08:46 AM

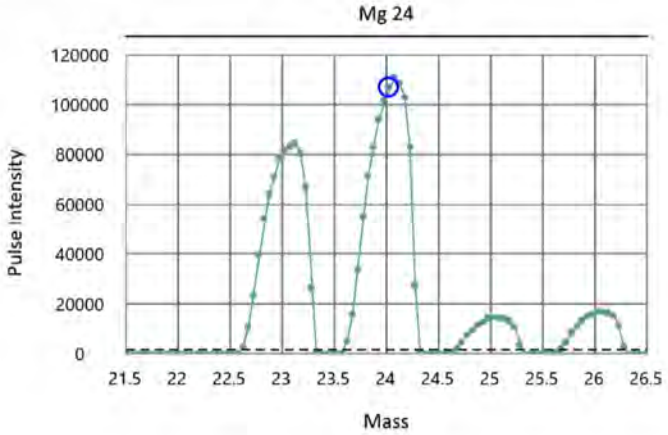
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.702)
Target/Obtained mass (23.985/24.025), Target/Obtained resolution (0.7/0.692)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.691)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.711)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.704)

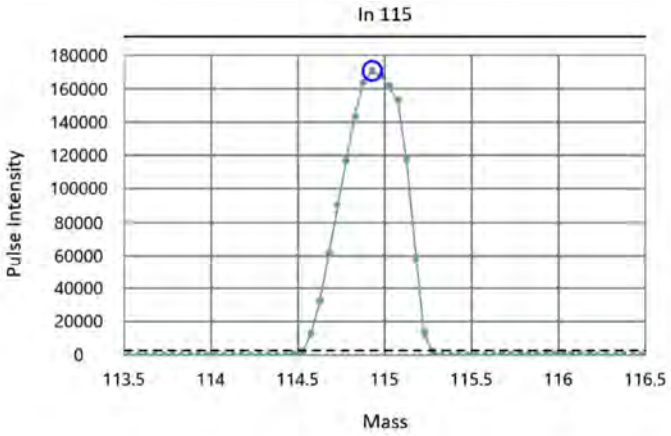
Acq. Date/Time: 9/17/2021 8:53:38 AM

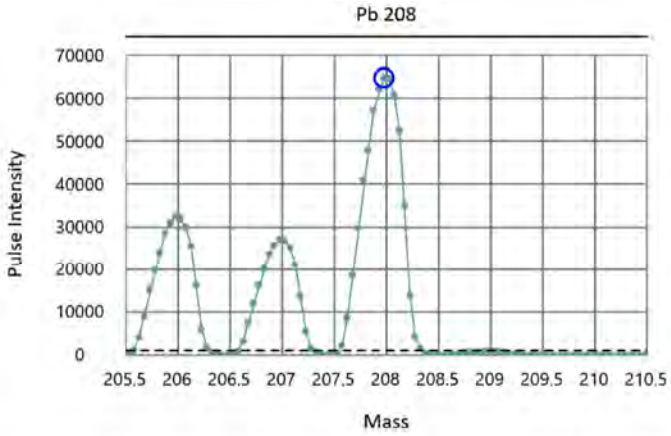
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

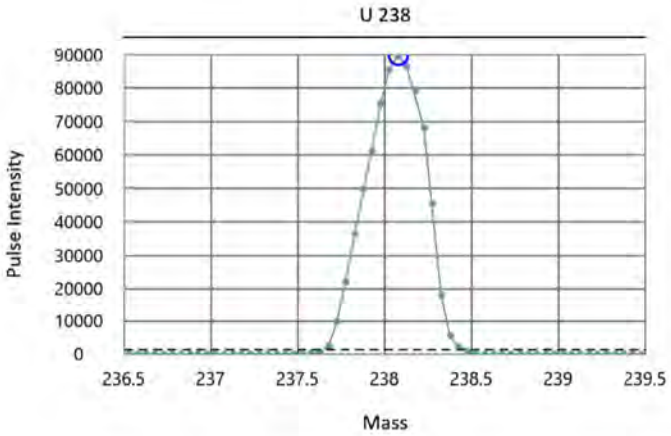
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1325	2022	0.702	
Mg	23.985	24.025	4716	2023	0.692	
In	114.904	114.925	22852	2041	0.691	
Pb	207.977	207.975	41424	2060	0.711	
U	238.05	238.075	47423	2067	0.704	











SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 9/20/2021 9:05:56 AM
End Time: 9/20/2021 9:08:20 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 7937.87
Obtained Intensity (Mg 24): 32884.54
Obtained Intensity (In 115): 67659.00
Obtained Intensity (U 238): 54809.17
Obtained Intensity (Bkgd 220): 0.60
Obtained Formula (CeO 156 / Ce 140): 0.024 (=2120.09 / 87912.59)
Obtained Formula (Ce++ 70 / Ce 140): 0.009 (=809.89 / 87912.59)
Obtained RSD (Be 9): 0.0273
Obtained RSD (Mg 24): 0.0104
Obtained RSD (In 115): 0.0267
Obtained RSD (U 238): 0.0190

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 9/20/2021 9:05:56 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 7937.87
Obtained Intensity (Mg 24): 32884.54
Obtained Intensity (In 115): 67659.00
Obtained Intensity (U 238): 54809.17
Obtained Intensity (Bkgd 220): 0.60
Obtained Formula (CeO 156 / Ce 140): 0.024 (=2120.09 / 87912.59)
Obtained Formula (Ce++ 70 / Ce 140): 0.009 (=809.89 / 87912.59)
Obtained RSD (Be 9): 0.0273
Obtained RSD (Mg 24): 0.0104
Obtained RSD (In 115): 0.0267
Obtained RSD (U 238): 0.0190

[Passed] Optimum value(s): N/A

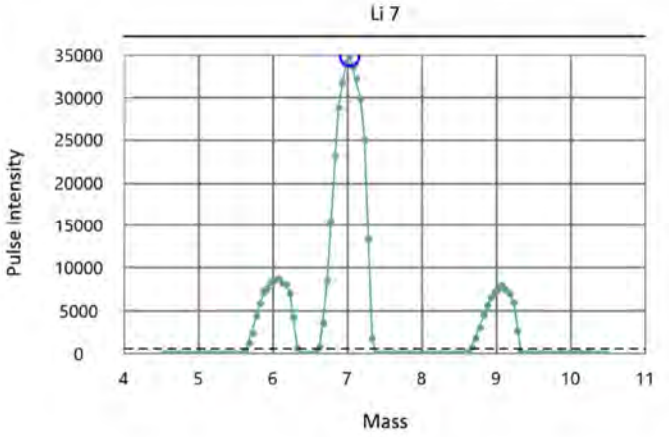
End Time: 9/20/2021 9:08:20 AM

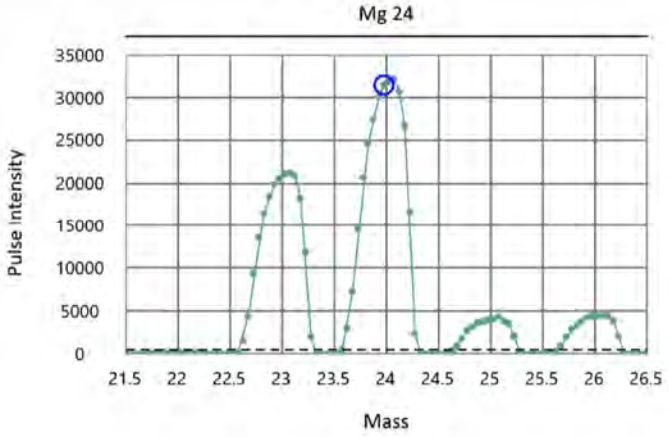
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.686)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.696)
Target/Obtained mass (114.904/114.875), Target/Obtained resolution (0.7/0.675)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.711)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.707)

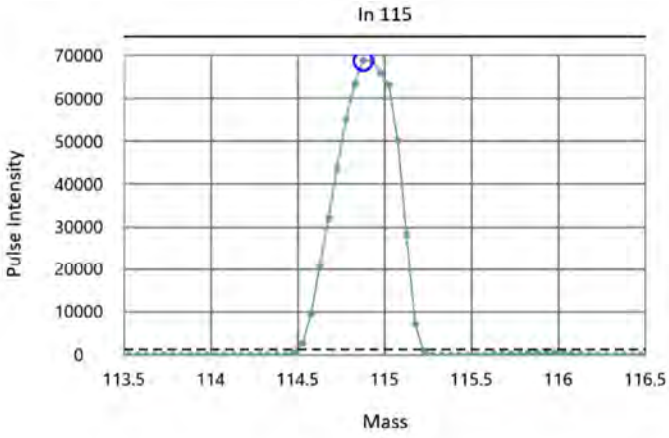
Acq. Date/Time: 9/20/2021 8:46:53 AM

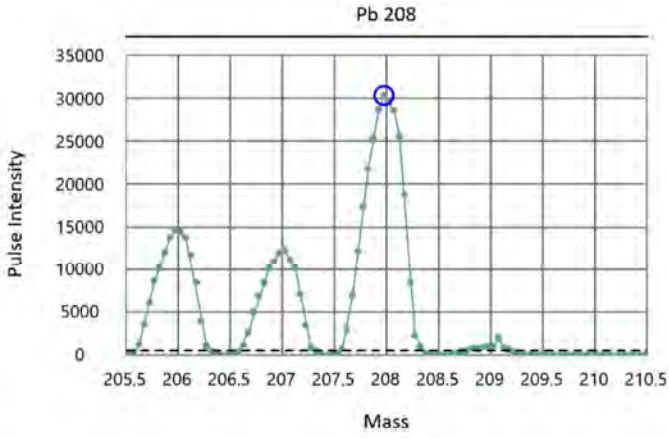
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

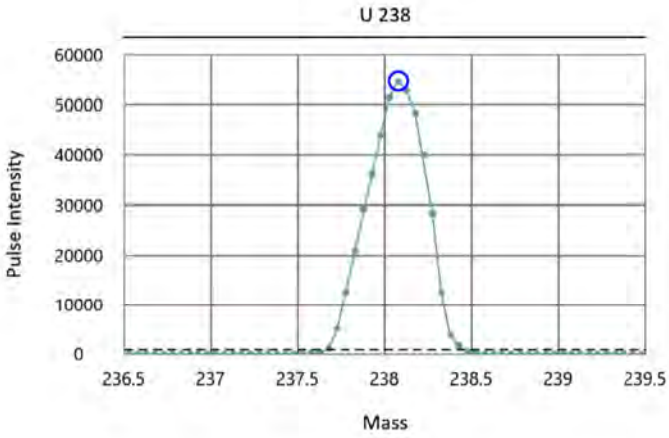
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1327	2022	0.686	
Mg	23.985	23.975	4712	2023	0.696	
In	114.904	114.875	22850	2041	0.675	
Pb	207.977	207.975	41422	2060	0.711	
U	238.05	238.075	47422	2067	0.707	











SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 9/20/2021 5:18:00 PM
End Time: 9/20/2021 5:20:25 PM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 10347.88
Obtained Intensity (Mg 24): 33167.06
Obtained Intensity (In 115): 70879.56
Obtained Intensity (U 238): 59850.80
Obtained Intensity (Bkgd 220): 0.43
Obtained Formula (CeO 156 / Ce 140): 0.020 (=1588.09 / 77478.54)
Obtained Formula (Ce++ 70 / Ce 140): 0.009 (=708.15 / 77478.54)
Obtained RSD (Be 9): 0.0149
Obtained RSD (Mg 24): 0.0136
Obtained RSD (In 115): 0.0258
Obtained RSD (U 238): 0.0152

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 9/20/2021 5:18:00 PM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 10347.88
Obtained Intensity (Mg 24): 33167.06
Obtained Intensity (In 115): 70879.56
Obtained Intensity (U 238): 59850.80
Obtained Intensity (Bkgd 220): 0.43
Obtained Formula (CeO 156 / Ce 140): 0.020 (=1588.09 / 77478.54)
Obtained Formula (Ce++ 70 / Ce 140): 0.009 (=708.15 / 77478.54)
Obtained RSD (Be 9): 0.0149
Obtained RSD (Mg 24): 0.0136
Obtained RSD (In 115): 0.0258
Obtained RSD (U 238): 0.0152

[Passed] Optimum value(s): N/A

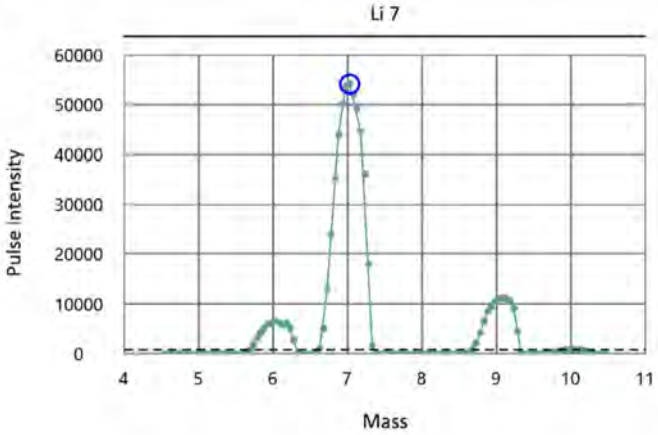
End Time: 9/20/2021 5:20:25 PM

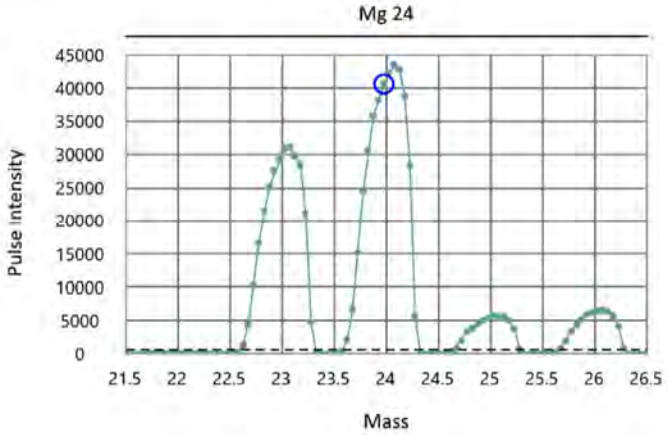
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.678)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.687)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.688)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.717)
Target/Obtained mass (238.05/238.025), Target/Obtained resolution (0.7/0.705)

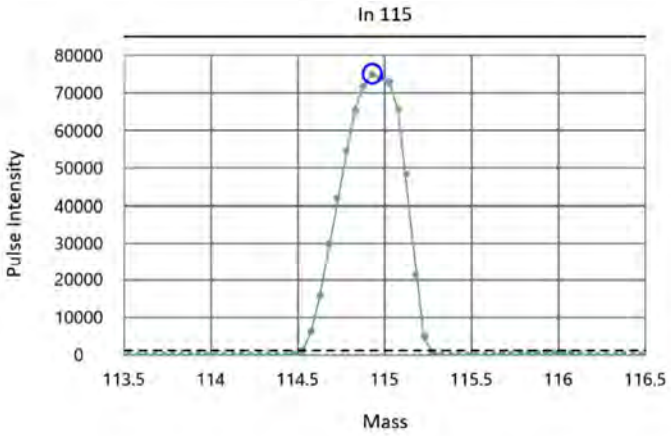
Acq. Date/Time: 9/20/2021 5:07:45 PM

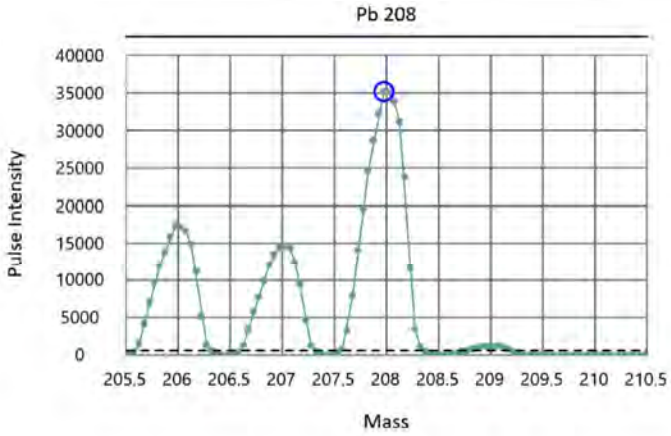
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

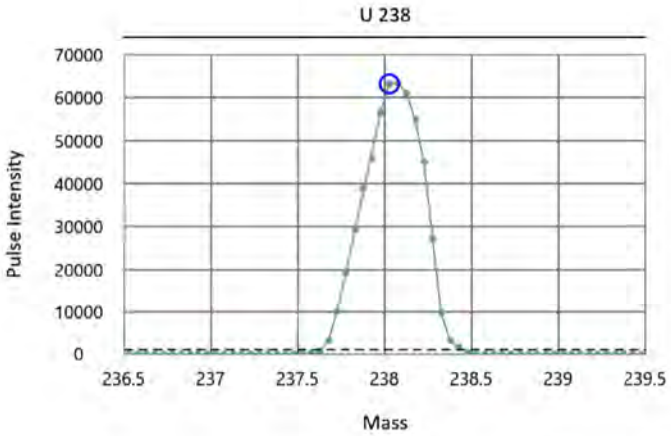
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1328	2022	0.678	
Mg	23.985	23.975	4710	2023	0.687	
In	114.904	114.925	22854	2041	0.688	
Pb	207.977	207.975	41421	2060	0.717	
U	238.05	238.025	47417	2067	0.705	











SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 9/21/2021 8:56:15 AM
End Time: 9/21/2021 8:58:40 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 11714.60
Obtained Intensity (Mg 24): 43416.11
Obtained Intensity (In 115): 81813.18
Obtained Intensity (U 238): 71743.34
Obtained Intensity (Bkgd 220): 0.27
Obtained Formula (CeO 156 / Ce 140): 0.025 (=1866.66 / 75818.34)
Obtained Formula (Ce++ 70 / Ce 140): 0.023 (=1781.11 / 75818.34)
Obtained RSD (Be 9): 0.0185
Obtained RSD (Mg 24): 0.0251
Obtained RSD (In 115): 0.0157
Obtained RSD (U 238): 0.0175

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 9/21/2021 8:56:15 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 11714.60
Obtained Intensity (Mg 24): 43416.11
Obtained Intensity (In 115): 81813.18
Obtained Intensity (U 238): 71743.34
Obtained Intensity (Bkgd 220): 0.27
Obtained Formula (CeO 156 / Ce 140): 0.025 (=1866.66 / 75818.34)
Obtained Formula (Ce++ 70 / Ce 140): 0.023 (=1781.11 / 75818.34)
Obtained RSD (Be 9): 0.0185
Obtained RSD (Mg 24): 0.0251
Obtained RSD (In 115): 0.0157
Obtained RSD (U 238): 0.0175

[Passed] Optimum value(s): N/A

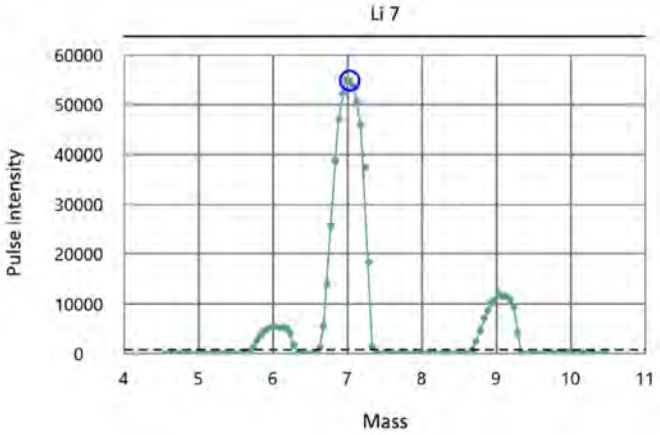
End Time: 9/21/2021 8:58:40 AM

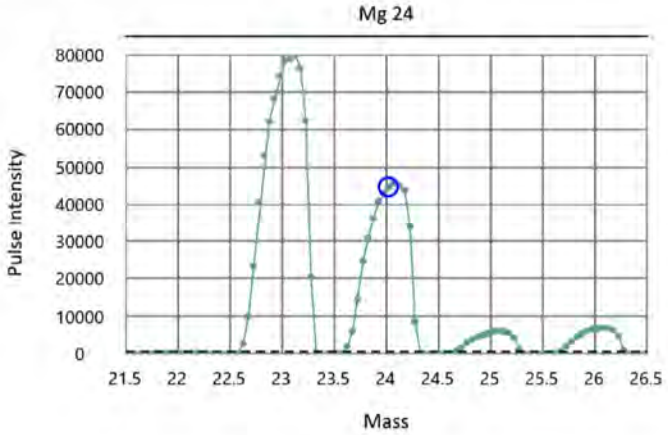
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.680)
Target/Obtained mass (23.985/24.025), Target/Obtained resolution (0.7/0.685)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.676)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.704)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.702)

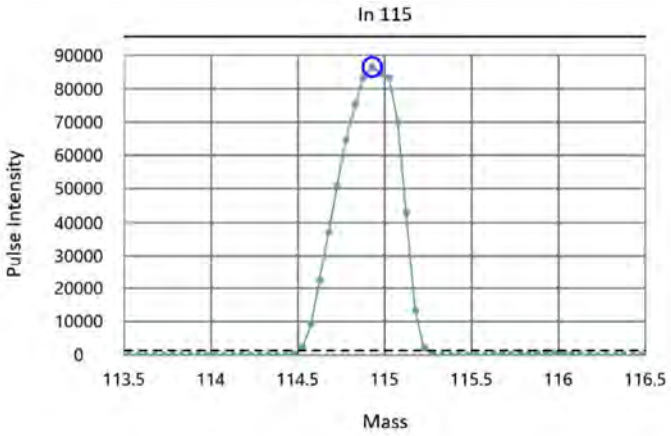
Acq. Date/Time: 9/21/2021 8:43:09 AM

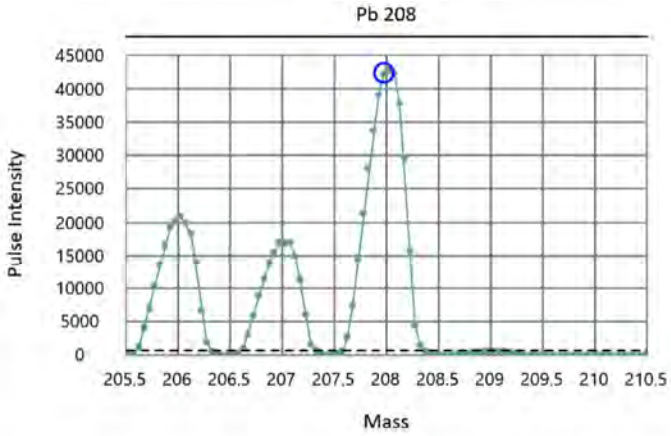
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

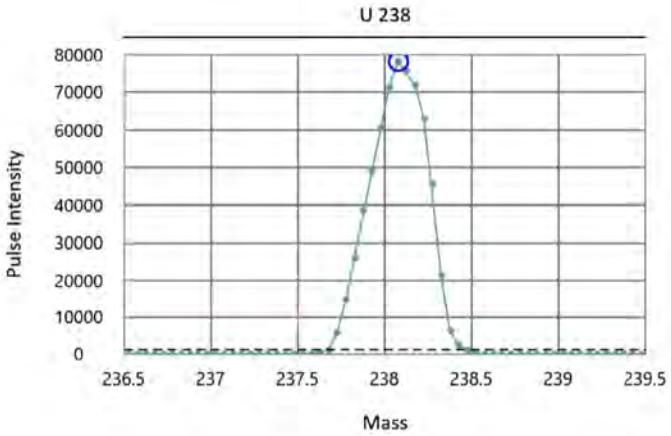
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1329	2022	0.680	
Mg	23.985	24.025	4717	2023	0.685	
In	114.904	114.925	22858	2041	0.676	
Pb	207.977	207.975	41420	2060	0.704	
U	238.05	238.075	47421	2067	0.702	











3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Shannon & Wilson
Ryan Peterson
400 N. 34th Street, Suite 100
Seattle, WA 98103

RE: 8801- Excavations
Work Order Number: 2109234

September 22, 2021

Attention Ryan Peterson:

Fremont Analytical, Inc. received 4 sample(s) on 9/16/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

Date: *10/03/2021*

CLIENT: Shannon & Wilson
Project: 8801- Excavations
Work Order: 2109234

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109234-001	A5-SIDE4:2	09/16/2021 9:16 AM	09/16/2021 5:55 PM
2109234-002	A5-SIDE3:2	09/16/2021 9:16 AM	09/16/2021 5:55 PM
2109234-003	A5-SIDE2:2	09/16/2021 9:18 AM	09/16/2021 5:55 PM
2109234-004	A5-SIDE1:2	09/16/2021 9:20 AM	09/16/2021 5:55 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Revision v1

Case Narrative

WO#: **2109234**
Date: **9/22/2021**

CLIENT: Shannon & Wilson
Project: 8801- Excavations

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

10/3/2021: Revision 1 includes level 2B data package.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109234-001
Client Sample ID: **A5-SIDE4:2**

Collection Date: 9/16/2021 9:16:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33748			Analyst: EH
Arsenic	2.31	0.124	0.0414		mg/Kg-dry	1	09/20/21 23:09:56
Cadmium	0.0441	0.206	0.00341	J	mg/Kg-dry	1	09/20/21 23:09:56
Chromium	21.4	0.412	0.135		mg/Kg-dry	1	09/20/21 23:09:56
Lead	1.26	0.206	0.0429		mg/Kg-dry	1	09/20/21 23:09:56
Sample Moisture (Percent Moisture)				Batch ID: R69995			Analyst: cb
Percent Moisture	2.97	0.500	0.100		wt%	1	09/20/21 9:04:49

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109234-002
Client Sample ID: **A5-SIDE3:2**

Collection Date: 9/16/2021 9:16:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33748			Analyst: EH
Arsenic	6.09	0.136	0.0457		mg/Kg-dry	1	09/20/21 22:19:48
Cadmium	0.386	0.227	0.00376		mg/Kg-dry	1	09/20/21 22:19:48
Chromium	18.9	0.454	0.148		mg/Kg-dry	1	09/20/21 22:19:48
Lead	34.3	0.227	0.0473		mg/Kg-dry	1	09/20/21 22:19:48
Sample Moisture (Percent Moisture)				Batch ID: R69995			Analyst: cb
Percent Moisture	12.0	0.500	0.100		wt%	1	09/20/21 9:04:49

Client: Shannon & Wilson **Collection Date:** 9/16/2021 9:18:00 AM
Project: 8801- Excavations
Lab ID: 2109234-003 **Matrix:** Soil
Client Sample ID: A5-SIDE2:2

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33748			Analyst: EH
Arsenic	7.38	0.125	0.0418		mg/Kg-dry	1	09/20/21 23:15:30
Cadmium	0.0960	0.208	0.00344	J	mg/Kg-dry	1	09/20/21 23:15:30
Chromium	14.5	0.416	0.136		mg/Kg-dry	1	09/20/21 23:15:30
Lead	7.70	0.208	0.0433		mg/Kg-dry	1	09/20/21 23:15:30
Sample Moisture (Percent Moisture)				Batch ID: R69995			Analyst: cb
Percent Moisture	3.88	0.500	0.100		wt%	1	09/20/21 9:04:49

Client: Shannon & Wilson **Collection Date:** 9/16/2021 9:20:00 AM
Project: 8801- Excavations
Lab ID: 2109234-004 **Matrix:** Soil
Client Sample ID: A5-SIDE1:2

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33748			Analyst: EH
Arsenic	6.79	0.134	0.0450		mg/Kg-dry	1	09/20/21 23:21:04
Cadmium	0.237	0.224	0.00370		mg/Kg-dry	1	09/20/21 23:21:04
Chromium	15.8	0.447	0.146		mg/Kg-dry	1	09/20/21 23:21:04
Lead	33.5	0.224	0.0465		mg/Kg-dry	1	09/20/21 23:21:04
Sample Moisture (Percent Moisture)				Batch ID: R69995			Analyst: cb
Percent Moisture	10.6	0.500	0.100		wt%	1	09/20/21 9:04:49

Work Order: 2109234
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **ICB-33748** SampType: **ICB** Units: **µg/L** Prep Date: **9/20/2021** RunNo: **70015**
Client ID: **ICB** Batch ID: **33748** Analysis Date: **9/20/2021** SeqNo: **1419462**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Lead	ND	2.00									

Sample ID: **ICV-33748** SampType: **ICV** Units: **µg/L** Prep Date: **9/20/2021** RunNo: **70015**
Client ID: **ICV** Batch ID: **33748** Analysis Date: **9/20/2021** SeqNo: **1419465**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	102	1.20	100.0	0	102	90	110				
Cadmium	5.11	2.00	5.000	0	102	90	110				
Chromium	93.8	4.00	100.0	0	93.8	90	110				
Lead	46.9	2.00	50.00	0	93.7	90	110				

Sample ID: **CCV-33748A** SampType: **CCV** Units: **µg/L** Prep Date: **9/20/2021** RunNo: **70015**
Client ID: **CCV** Batch ID: **33748** Analysis Date: **9/20/2021** SeqNo: **1419468**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	92.9	1.20	100.0	0	92.9	90	110				
Cadmium	4.67	2.00	5.000	0	93.4	90	110				
Chromium	84.4	4.00	100.0	0	84.4	90	110				S
Lead	40.5	2.00	50.00	0	81.0	90	110				S

NOTES:
S - Outlying spike recovery observed (low bias). Samples will be qualified with a Q.

Sample ID: **CCB-33748A** SampType: **CCB** Units: **µg/L** Prep Date: **9/20/2021** RunNo: **70015**
Client ID: **CCB** Batch ID: **33748** Analysis Date: **9/20/2021** SeqNo: **1419469**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									

Work Order: 2109234
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCB-33748A** SampType: **CCB** Units: **µg/L** Prep Date: **9/20/2021** RunNo: **70015**
Client ID: **CCB** Batch ID: **33748** Analysis Date: **9/20/2021** SeqNo: **1419469**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	ND	2.00									
Chromium	ND	4.00									
Lead	ND	2.00									

Sample ID: **CCV-33748B** SampType: **CCV** Units: **µg/L** Prep Date: **9/20/2021** RunNo: **70015**
Client ID: **CCV** Batch ID: **33748** Analysis Date: **9/20/2021** SeqNo: **1419474**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	82.3	1.20	100.0	0	82.3	90	110				S
Cadmium	4.19	2.00	5.000	0	83.8	90	110				S
Chromium	76.5	4.00	100.0	0	76.5	90	110				S
Lead	39.0	2.00	50.00	0	78.0	90	110				S

NOTES:
S - Outlying spike recovery observed (low bias). Samples will be qualified with a Q.

Sample ID: **CCB-33748B** SampType: **CCB** Units: **µg/L** Prep Date: **9/20/2021** RunNo: **70015**
Client ID: **CCB** Batch ID: **33748** Analysis Date: **9/20/2021** SeqNo: **1419475**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Lead	ND	2.00									

Sample ID: **ICB-33748A** SampType: **ICB** Units: **µg/L** Prep Date: **9/20/2021** RunNo: **70015**
Client ID: **ICB** Batch ID: **33748** Analysis Date: **9/20/2021** SeqNo: **1420229**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									

Work Order: 2109234
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **ICB-33748A** SampType: **ICB** Units: **µg/L** Prep Date: **9/20/2021** RunNo: **70015**
Client ID: **ICB** Batch ID: **33748** Analysis Date: **9/20/2021** SeqNo: **1420229**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	ND	4.00									
Lead	ND	2.00									

Sample ID: **ICV-33748A** SampType: **ICV** Units: **µg/L** Prep Date: **9/20/2021** RunNo: **70015**
Client ID: **ICV** Batch ID: **33748** Analysis Date: **9/20/2021** SeqNo: **1420230**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	101	1.20	100.0	0	101	90	110				
Cadmium	4.92	2.00	5.000	0	98.3	90	110				
Chromium	100	4.00	100.0	0	100	90	110				
Lead	50.4	2.00	50.00	0	101	90	110				

Sample ID: **CCV-33748C** SampType: **CCV** Units: **µg/L** Prep Date: **9/20/2021** RunNo: **70015**
Client ID: **CCV** Batch ID: **33748** Analysis Date: **9/20/2021** SeqNo: **1420265**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	108	1.20	100.0	0	108	90	110				
Cadmium	5.09	2.00	5.000	0	102	90	110				
Chromium	103	4.00	100.0	0	103	90	110				
Lead	51.5	2.00	50.00	0	103	90	110				

Sample ID: **CCB-33748C** SampType: **CCB** Units: **µg/L** Prep Date: **9/20/2021** RunNo: **70015**
Client ID: **CCB** Batch ID: **33748** Analysis Date: **9/20/2021** SeqNo: **1420268**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Lead	ND	2.00									

Work Order: 2109234
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCB-33748C**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/20/2021**		RunNo: **70015**			
Client ID: **CCB**	Batch ID: **33748**					Analysis Date: **9/20/2021**		SeqNo: **1420268**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **MB-33748**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **9/20/2021**		RunNo: **70015**			
Client ID: **MBLKS**	Batch ID: **33748**					Analysis Date: **9/20/2021**		SeqNo: **1420275**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.120									
Cadmium	ND	0.200									
Chromium	ND	0.400									
Lead	ND	0.200									

Sample ID: **LCS-33748**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **9/20/2021**		RunNo: **70015**			
Client ID: **LCSS**	Batch ID: **33748**					Analysis Date: **9/20/2021**		SeqNo: **1420277**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	47.4	0.120	50.00	0	94.8	80	120				
Cadmium	2.53	0.200	2.500	0	101	80	120				
Chromium	51.4	0.400	50.00	0	103	80	120				
Lead	25.4	0.200	25.00	0	101	80	120				

Sample ID: **2109234-002AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **9/20/2021**		RunNo: **70015**			
Client ID: **A5-SIDE3:2**	Batch ID: **33748**					Analysis Date: **9/20/2021**		SeqNo: **1420283**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	64.6	0.136	56.79	6.086	103	75	125				
Cadmium	3.19	0.227	2.839	0.3858	98.8	75	125				
Chromium	80.3	0.454	56.79	18.88	108	75	125				
Lead	55.2	0.227	28.39	34.33	73.6	75	125				S

NOTES:
S - Analyte concentration was too high for accurate spike recovery(ies).

Work Order: 2109234
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **2109234-002AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/20/2021** RunNo: **70015**
Client ID: **A5-SIDE3:2** Batch ID: **33748** Analysis Date: **9/20/2021** SeqNo: **1420286**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	61.9	0.136	56.79	6.086	98.2	75	125	64.65	4.37	20	
Cadmium	3.37	0.227	2.839	0.3858	105	75	125	3.190	5.47	20	
Chromium	80.9	0.454	56.79	18.88	109	75	125	80.30	0.754	20	
Lead	64.6	0.227	28.39	34.33	106	75	125	55.22	15.6	20	

Sample ID: **CCV-33748E** SampType: **CCV** Units: **µg/L** Prep Date: **9/20/2021** RunNo: **70015**
Client ID: **CCV** Batch ID: **33748** Analysis Date: **9/20/2021** SeqNo: **1420298**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	93.5	1.20	100.0	0	93.5	90	110				
Cadmium	4.70	2.00	5.000	0	94.0	90	110				
Chromium	90.1	4.00	100.0	0	90.1	90	110				
Lead	48.0	2.00	50.00	0	96.1	90	110				

Sample ID: **CCB-33748E** SampType: **CCB** Units: **µg/L** Prep Date: **9/21/2021** RunNo: **70015**
Client ID: **CCB** Batch ID: **33748** Analysis Date: **9/21/2021** SeqNo: **1420299**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Lead	ND	2.00									

Sample ID: **ICB-33748B** SampType: **ICB** Units: **µg/L** Prep Date: **9/21/2021** RunNo: **70015**
Client ID: **ICB** Batch ID: **33748** Analysis Date: **9/21/2021** SeqNo: **1420212**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									

Work Order: 2109234
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **ICB-33748B** SampType: **ICB** Units: **µg/L** Prep Date: **9/21/2021** RunNo: **70015**
Client ID: **ICB** Batch ID: **33748** Analysis Date: **9/21/2021** SeqNo: **1420212**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	ND	4.00									
Lead	ND	2.00									

Sample ID: **ICV-33748B** SampType: **ICV** Units: **µg/L** Prep Date: **9/21/2021** RunNo: **70015**
Client ID: **ICV** Batch ID: **33748** Analysis Date: **9/21/2021** SeqNo: **1420213**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	110	1.20	100.0	0	110	90	110				
Cadmium	5.24	2.00	5.000	0	105	90	110				
Chromium	109	4.00	100.0	0	109	90	110				
Lead	48.4	2.00	50.00	0	96.7	90	110				

Sample ID: **CCV-33748F** SampType: **CCV** Units: **µg/L** Prep Date: **9/21/2021** RunNo: **70015**
Client ID: **CCV** Batch ID: **33748** Analysis Date: **9/21/2021** SeqNo: **1420223**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	112	1.20	100.0	0	112	90	110				S
Cadmium	4.95	2.00	5.000	0	98.9	90	110				
Chromium	107	4.00	100.0	0	107	90	110				
Lead	51.4	2.00	50.00	0	103	90	110				

NOTES:
S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Sample ID: **CCB-33748F** SampType: **CCB** Units: **µg/L** Prep Date: **9/21/2021** RunNo: **70015**
Client ID: **CCB** Batch ID: **33748** Analysis Date: **9/21/2021** SeqNo: **1420224**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									

Work Order: 2109234
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCB-33748F** SampType: **CCB** Units: **µg/L** Prep Date: **9/21/2021** RunNo: **70015**
Client ID: **CCB** Batch ID: **33748** Analysis Date: **9/21/2021** SeqNo: **1420224**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	2.00									

Sample Log-In Check List

Client Name:	**SW**	Work Order Number:	**2109234**
Logged by:	**Gabrielle Coeuille**	Date Received:	**9/16/2021 5:55:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
6.	Was an attempt made to cool the samples?	Yes ☐	No ☑	NA ☐
		Unknown prior to receipt		
7.	Were all items received at a temperature of >2°C to 6°C *	Yes ☐	No ☐	NA ☑
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	4.8

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9/16/2021 Page: 1 of: 1

Laboratory Project No (internal): 2109234

Project Name: 0801 - Excavations

Special Remarks: Refer to project methods & Reporting Limits

Client: Shannon & Wilson, Inc.

Project No: 109185-009

Address: 400 N. 34th St., Suite 100

Collected by: Christian Canfield

City, State, Zip: Seattle, WA 98103

Location: Tukwila, WA

Telephone:

Report To (PM): Ryan Peterson

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax:

PM Email: RBP@shanwil.com

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	AS-SIDE4:2	9/16	0916	S	1							X	X					
2	AS-SIDE3:2	9/16	0916	S	1							X	X					
3	AS-SIDE2:2	9/16	0919	S	1							X	X					
4	AS-SIDE1:2	9/16	0920	S	1							X	X					
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al (As) B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni (Pb) Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☒ 3 Day ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Christian Canfield	9/16/21 1758		Oliver Khan	9/16/21 1755
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9/16/2021 Page: 1 of: 1

Laboratory Project No (internal): 2109234

Project Name: 0801 - Excavations

Special Remarks: Refer to project methods & Reporting Limits

Client: Shannon & Wilson, Inc.

Project No: 109485-003

Address: 400 N. 34th St., Suite 100

Collected by: Christian Canfield

City, State, Zip: Seattle, WA 98103

Location: Tukwila, WA

Telephone:

Report To (PM): Ryan Peterson

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax:

PM Email: RBP@shanwil.com

Edits per C.C. 9/17/2021 -BB

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	AS-SIDE4:2	9/16	0916	S	1							X	X					
2	AS-SIDE3:2	9/16	0916	S	1							X	X					
3	AS-SIDE2:2	9/16	0919	S	1							X	X					
4	AS-SIDE1:2	9/16	0920	S	1							X	X					
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al (As) B Ba Be Ca (Cd) Co (Cr) Cu Fe Hg K Mg Mn Mo Na Ni (Pb) Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☒ 3 Day ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Christian Canfield	9/16/21 1758		Oliver Khan	9/16/21 1755
x			x		

DATA SET for Review -- Deliverable Requirements

Total Metals by EPA Method 6020B

Fremont Analytical Work Order No. 2109234

Shannon & Wilson

Project Name: 8801 - Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September2021\092021eh\
Report Date/Time: Tuesday, September 21, 2021 08:09:14

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	WASH	09:11:31 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	09:17:05 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	09:22:39 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CAL BLK IS 23514	09:28:14 Mon 20-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 1	09:33:48 Mon 20-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CAL BLK IS 23514	09:40:30 Mon 20-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 1	09:46:04 Mon 20-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 2	09:51:38 Mon 20-S	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 3	09:57:12 Mon 20-S	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 4	10:02:46 Mon 20-S	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 5	10:08:20 Mon 20-S	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 6	10:13:54 Mon 20-S	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 7	10:19:28 Mon 20-S	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 8	10:25:02 Mon 20-S	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	10:30:37 Mon 20-S	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICB	10:36:12 Mon 20-S	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICV LL	10:41:46 Mon 20-S	QC Std #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICV	10:47:21 Mon 20-S	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICV 2	10:52:56 Mon 20-S	QC Std #11	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	10:58:30 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICV	11:08:25 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICV 2	11:14:42 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICSA	11:24:15 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICSAB	11:29:49 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	LDR	11:35:24 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	11:40:58 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	11:46:32 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	MB-33731	11:52:07 Mon 20-S	Sample	C:\Users\Public\DocumMBLK,M-6020-S	gistix\ICPMS\DataSet\September202
	LCS-33731	11:57:41 Mon 20-S	Sample	C:\Users\Public\DocumLCS,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-019A	12:03:15 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-019ADIL	12:08:49 Mon 20-S	Sample	C:\Users\Public\DocumSD,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-019AMS	12:14:23 Mon 20-S	Sample	C:\Users\Public\DocumMS,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-019AMSD	12:19:57 Mon 20-S	Sample	C:\Users\Public\DocumMSD,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-019APDS	12:25:31 Mon 20-S	Sample	C:\Users\Public\DocumPDS,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-018A	12:31:05 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-020A	12:36:39 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-021A	12:42:12 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	CCV	12:47:47 Mon 20-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	12:53:21 Mon 20-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCV	13:03:42 Mon 20-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	13:09:16 Mon 20-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	2109220-001A 20X	13:16:30 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-002A 20X	13:22:04 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-003A 20X	13:27:38 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-004A 20X	13:33:12 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-006A 20X	13:38:46 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-007A 20X	13:44:20 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-008A 20X	13:49:54 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-009A 20X	13:55:29 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109220-012A 20X	14:01:02 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202

2109220-016A 20X	14:06:36 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
CCV	14:12:11 Mon 20-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	14:17:46 Mon 20-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	14:24:01 Mon 20-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	14:34:04 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	14:40:15 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109220-019A	14:46:42 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109220-018A	14:52:17 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109220-020A	14:57:51 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109220-021A	15:03:25 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
CCV	15:09:00 Mon 20-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	15:22:29 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	15:28:04 Mon 20-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	15:34:10 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	15:42:30 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	15:48:05 Mon 20-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	15:53:39 Mon 20-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	15:59:16 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	16:04:50 Mon 20-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB-33748	16:07:31 Mon 20-S	Sample	C:\Users\Public\DocumMBLK,M-6020-S _ gistix\ICPMS\DataSet\September202
LCS-33748	16:13:05 Mon 20-S	Sample	C:\Users\Public\DocumLCS,M-6020-S _ gistix\ICPMS\DataSet\September202
2109218-001A	16:18:40 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109218-002A	16:24:14 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
CCV	16:29:49 Mon 20-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	16:35:24 Mon 20-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	17:24:34 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CAL BLK IS 23514	17:30:08 Mon 20-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 1	17:35:42 Mon 20-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 2	17:41:16 Mon 20-S	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 3	17:46:50 Mon 20-S	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 4	17:52:24 Mon 20-S	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 5	17:57:58 Mon 20-S	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 6	18:03:32 Mon 20-S	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 7	18:09:06 Mon 20-S	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 8	18:14:40 Mon 20-S	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	18:20:15 Mon 20-S	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
ICB	18:25:49 Mon 20-S	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
ICV	18:31:23 Mon 20-S	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	18:36:57 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
ICSA	18:42:32 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
ICSAB	18:48:06 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	18:53:40 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	18:59:15 Mon 20-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109220-018A	19:04:50 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109220-019A	19:10:25 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109220-020A	19:15:59 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109220-021A	19:21:34 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
CCV	19:27:09 Mon 20-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	19:32:43 Mon 20-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
LCS-33716	19:38:18 Mon 20-S	Sample	C:\Users\Public\DocumLCS,M-6020-S _ gistix\ICPMS\DataSet\September202
2109200-001ADIL	19:43:52 Mon 20-S	Sample	C:\Users\Public\DocumSD,M-6020-S _ gistix\ICPMS\DataSet\September202
2109178-013A	19:49:26 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109178-014A	19:55:00 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109160-001A	20:00:34 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109160-002A	20:06:08 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109168-001A	20:11:42 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109168-002A	20:17:16 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109168-003A	20:22:50 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109168-004A	20:28:24 Mon 20-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
CCV	20:33:59 Mon 20-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202

CCB	20:39:33 Mon 20-SQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109201-001A	20:45:08 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
2109223-001A	20:50:42 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
2109230-001A	20:56:16 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
2109230-002A	21:01:50 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
2109230-003A	21:07:24 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
LLOQ 1	21:12:58 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
LLOQ 2	21:18:32 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
LLOQ 3	21:24:05 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
LLOQ 4	21:29:39 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
LLOQ 5	21:35:13 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
CCV	21:40:48 Mon 20-SQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	21:46:22 Mon 20-SQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
LLOQ 6	21:51:57 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
LLOQ 7	21:57:31 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
WASH	22:03:06 Mon 20-SSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB-33748	22:08:41 Mon 20-SSample	C:\Users\Public\DocumMBLK,M-6020-S . gistix\ICPMS\DataSet\September202
LCS-33748	22:14:14 Mon 20-SSample	C:\Users\Public\DocumLCS,M-6020-S . gistix\ICPMS\DataSet\September202
2109234-002A	22:19:48 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
2109234-002ADIL	22:25:22 Mon 20-SSample	C:\Users\Public\DocumSD,M-6020-S . gistix\ICPMS\DataSet\September202
2109234-002AMS	22:30:56 Mon 20-SSample	C:\Users\Public\DocumMS,M-6020-S . gistix\ICPMS\DataSet\September202
2109234-002AMSD	22:36:30 Mon 20-SSample	C:\Users\Public\DocumMSD,M-6020-S . gistix\ICPMS\DataSet\September202
2109234-002APDS	22:42:04 Mon 20-SSample	C:\Users\Public\DocumPDS,M-6020-S . gistix\ICPMS\DataSet\September202
CCV	22:47:39 Mon 20-SQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	22:53:13 Mon 20-SQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109218-001A	22:58:48 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
2109218-002A	23:04:22 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
2109234-001A	23:09:56 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
2109234-003A	23:15:30 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
2109234-004A	23:21:04 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
2109256-001A	23:26:38 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
WASH	23:32:13 Mon 20-SSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB-33732	23:37:48 Mon 20-SSample	C:\Users\Public\DocumMBLK,M-200.8-T . gistix\ICPMS\DataSet\September202
LCS-33732	23:43:22 Mon 20-SSample	C:\Users\Public\DocumLCS,M-200.8-T . gistix\ICPMS\DataSet\September202
2109214-003A	23:48:56 Mon 20-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
CCV	23:54:31 Mon 20-SQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	00:00:06 Tue 21-SQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109214-003ADUP	00:05:41 Tue 21-SSample	C:\Users\Public\DocumDUP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109214-003AMS	00:11:15 Tue 21-SSample	C:\Users\Public\DocumMS,M-200.8-T . gistix\ICPMS\DataSet\September202
2109214-003AMSD	00:16:49 Tue 21-SSample	C:\Users\Public\DocumMSD,M-200.8-T . gistix\ICPMS\DataSet\September202
2109214-001A	00:22:23 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109214-002A	00:27:57 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109214-004A	00:33:31 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109214-005A	00:39:05 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109214-006A	00:44:39 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109214-007A	00:50:13 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109214-008A	00:55:47 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
CCV	01:01:22 Tue 21-SQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	01:06:57 Tue 21-SQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109213-001A	01:12:31 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109215-001A 100X	01:18:06 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109215-002A 100X	01:23:40 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109224-001A 500X	01:29:14 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109224-002A 500X	01:34:48 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109224-003A 500X	01:40:22 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109224-004A 500X	01:45:56 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109224-005A 500X	01:51:30 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109224-006A 500X	01:57:04 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109226-001A	02:02:38 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
CCV	02:08:13 Tue 21-SQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202

CCB	02:13:48 Tue 21-SQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109229-001A	02:19:23 Tue 21-SSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\September202
CCV	02:24:57 Tue 21-SQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	02:30:32 Tue 21-SQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2%	02:36:06 Tue 21-SQC Std #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
DI	02:41:41 Tue 21-SQC Std #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September2021\092121eh\
Report Date/Time: Wednesday, September 22, 2021 08:24:16

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	WASH	09:04:24 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	09:09:58 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	NEW 2%	09:15:33 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	std 2 test	09:21:45 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	10:02:31 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	NEW 2%	10:08:05 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	10:25:15 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CAL BLK IS 23514	10:30:49 Tue 21-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 1	10:36:23 Tue 21-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 2	10:41:57 Tue 21-S	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 3	10:47:31 Tue 21-S	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 4	10:53:05 Tue 21-S	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 5	10:58:39 Tue 21-S	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 6	11:04:13 Tue 21-S	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 7	11:09:47 Tue 21-S	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 8	11:15:21 Tue 21-S	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	11:20:55 Tue 21-S	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICB	11:26:30 Tue 21-S	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICV	11:32:04 Tue 21-S	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	11:37:38 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICSA	12:09:05 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	12:14:40 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	12:20:14 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	2109256-001A 50X	12:30:13 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202	
	2109226-001A	12:35:48 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202	
	LCS2	12:52:15 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	2109194-001A	12:57:50 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	2109171-001D	13:03:25 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	2109201-001 20X	13:15:33 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	2109201-001A 20X	13:29:14 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202	
	LCS2	13:34:49 Tue 21-S	Sample	C:\Users\Public\DocumLCS,M-200.8-T _ gistix\ICPMS\DataSet\September202	
	LCS-33731	13:40:23 Tue 21-S	Sample	C:\Users\Public\DocumLCS,M-6020-S _ gistix\ICPMS\DataSet\September202	
	2109220-019A	13:45:58 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202	
	CCV	13:51:33 Tue 21-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	13:57:07 Tue 21-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCV	14:35:52 Tue 21-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	14:41:27 Tue 21-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	2109168-001A	16:09:07 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202	
	2109168-002A	16:14:42 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202	
	2109168-003A	16:20:17 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202	
	2109168-004A	16:25:51 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202	
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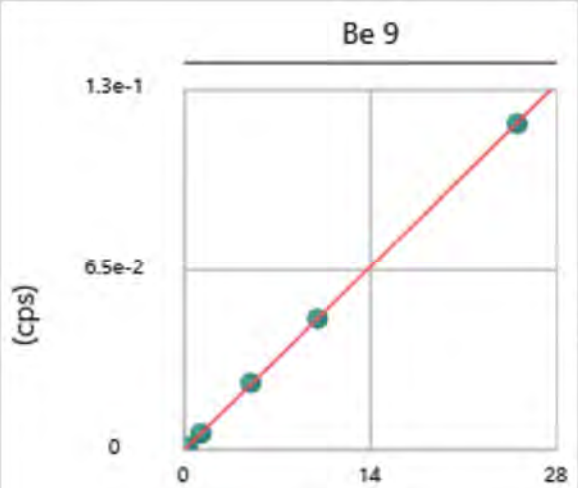
	CCB	16:37:01 Tue 21-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	16:54:42 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CAL BLK IS 23514	17:00:16 Tue 21-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 1	17:05:50 Tue 21-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 2	17:11:24 Tue 21-S	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 3	17:16:58 Tue 21-S	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 4	17:22:32 Tue 21-S	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 5	17:28:06 Tue 21-S	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	

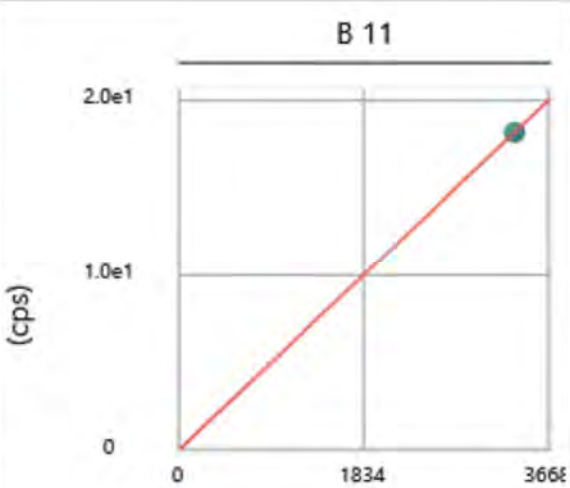
Standard 6	17:33:40 Tue 21-S	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 7	17:39:14 Tue 21-S	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 8	17:44:48 Tue 21-S	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	17:50:23 Tue 21-S	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
ICB	17:55:57 Tue 21-S	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
ICV	18:01:31 Tue 21-S	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	18:07:06 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
ICSA	18:12:41 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	18:18:16 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	18:23:50 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
LCS-33731	18:29:25 Tue 21-S	Sample	C:\Users\Public\DocumLCS,M-6020-S gistix\ICPMS\DataSet\September202
2109230-001A	18:35:00 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109230-002A	18:40:35 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109230-003A	18:46:09 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
WASH	18:51:44 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	18:57:18 Tue 21-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	19:02:52 Tue 21-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB-33766	19:08:27 Tue 21-S	Sample	C:\Users\Public\DocumMBLK,M-6020-S gistix\ICPMS\DataSet\September202
LCS-33766	19:14:01 Tue 21-S	Sample	C:\Users\Public\DocumLCS,M-6020-S gistix\ICPMS\DataSet\September202
2109304-002A	19:19:35 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109304-002ADIL	19:25:08 Tue 21-S	Sample	C:\Users\Public\DocumSD,M-6020-S gistix\ICPMS\DataSet\September202
2109304-002AMS	19:30:42 Tue 21-S	Sample	C:\Users\Public\DocumMS,M-6020-S gistix\ICPMS\DataSet\September202
2109304-002AMSD	19:36:16 Tue 21-S	Sample	C:\Users\Public\DocumMSD,M-6020-S gistix\ICPMS\DataSet\September202
2109304-002APDS	19:41:50 Tue 21-S	Sample	C:\Users\Public\DocumPDS,M-6020-S gistix\ICPMS\DataSet\September202
2109304-001A	19:47:24 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109304-003A	19:52:58 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109304-004A	19:58:32 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
CCV	20:04:07 Tue 21-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	20:09:41 Tue 21-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109304-005A	20:15:15 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109304-006A	20:20:49 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109304-007A	20:26:23 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109304-008A	20:31:57 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109299-001A	20:37:31 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
2109299-002A	20:43:05 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\September202
WASH	20:48:40 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB-33747	20:54:14 Tue 21-S	Sample	C:\Users\Public\DocumMBLK,M-6020-D gistix\ICPMS\DataSet\September202
LCS-33747	20:59:48 Tue 21-S	Sample	C:\Users\Public\DocumLCS,M-6020-D gistix\ICPMS\DataSet\September202
2109217-003C	21:05:23 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-D gistix\ICPMS\DataSet\September202
CCV	21:10:57 Tue 21-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	21:16:32 Tue 21-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109217-003CDUP	21:22:06 Tue 21-S	Sample	C:\Users\Public\DocumDUP,M-6020-D gistix\ICPMS\DataSet\September202
2109217-003CMS	21:27:40 Tue 21-S	Sample	C:\Users\Public\DocumSD,M-6020-D gistix\ICPMS\DataSet\September202
2109217-003CMSD	21:33:14 Tue 21-S	Sample	C:\Users\Public\DocumMS,M-6020-D gistix\ICPMS\DataSet\September202
2109217-001C	21:38:48 Tue 21-S	Sample	C:\Users\Public\DocumMSD,M-6020-D gistix\ICPMS\DataSet\September202
2109217-002C	21:44:22 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-D gistix\ICPMS\DataSet\September202
2109217-004C	21:49:56 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-D gistix\ICPMS\DataSet\September202
2109217-005C	21:55:30 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-D gistix\ICPMS\DataSet\September202
2109217-006C	22:01:04 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-D gistix\ICPMS\DataSet\September202
2109217-007C	22:06:38 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-6020-D gistix\ICPMS\DataSet\September202
WASH	22:12:13 Tue 21-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	22:17:47 Tue 21-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	22:23:21 Tue 21-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB-33746	22:28:56 Tue 21-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-T gistix\ICPMS\DataSet\September202
LCS-33746	22:34:30 Tue 21-S	Sample	C:\Users\Public\DocumLCS,M-200.8-T gistix\ICPMS\DataSet\September202
2109250-001B	22:40:05 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\September202
2109250-001BDUP	22:45:39 Tue 21-S	Sample	C:\Users\Public\DocumDUP,M-200.8-T gistix\ICPMS\DataSet\September202
2109250-001BMS	22:51:12 Tue 21-S	Sample	C:\Users\Public\DocumMS,M-200.8-T gistix\ICPMS\DataSet\September202
2109250-001BMSD	22:56:46 Tue 21-S	Sample	C:\Users\Public\DocumMSD,M-200.8-T gistix\ICPMS\DataSet\September202
2109235-002A	23:02:20 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\September202

2109245-002A	23:07:54 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109246-001A	23:13:28 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109246-002A	23:19:02 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
CCV	23:24:37 Tue 21-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	23:30:11 Tue 21-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109248-001A	23:35:45 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109248-002A	23:41:19 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109252-001A	23:46:53 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109252-002A	23:52:27 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109253-001A	23:58:01 Tue 21-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109254-001A	00:03:35 Wed 22-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109254-002A	00:09:09 Wed 22-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109254-003A	00:14:43 Wed 22-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109255-001B	00:20:17 Wed 22-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109257-001B	00:25:52 Wed 22-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
CCV	00:31:26 Wed 22-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	00:37:00 Wed 22-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109258-001A	00:42:34 Wed 22-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
WASH	00:48:09 Wed 22-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB-33764	00:53:44 Wed 22-S	Sample	C:\Users\Public\DocumMBLK,M-TCLP . gistix\ICPMS\DataSet\September202
LCS-33764	00:59:18 Wed 22-S	Sample	C:\Users\Public\DocumLCS,M-TCLP . gistix\ICPMS\DataSet\September202
2109236-001A	01:04:52 Wed 22-S	Sample	C:\Users\Public\DocumSAMP,M-TCLP . gistix\ICPMS\DataSet\September202
2109236-001ADUP	01:10:26 Wed 22-S	Sample	C:\Users\Public\DocumDUP,M-TCLP . gistix\ICPMS\DataSet\September202
2109236-001AMS	01:16:00 Wed 22-S	Sample	C:\Users\Public\DocumMS,M-TCLP . gistix\ICPMS\DataSet\September202
2109236-001AMSD	01:21:34 Wed 22-S	Sample	C:\Users\Public\DocumMSD,M-TCLP . gistix\ICPMS\DataSet\September202
2109204-001B	01:27:09 Wed 22-S	Sample	C:\Users\Public\DocumSAMP,M-TCLP . gistix\ICPMS\DataSet\September202
2109203-001A	01:32:43 Wed 22-S	Sample	C:\Users\Public\DocumSAMP,M-TCLP . gistix\ICPMS\DataSet\September202
CCV	01:38:17 Wed 22-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	01:43:52 Wed 22-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109203-001AMS	01:49:27 Wed 22-S	Sample	C:\Users\Public\DocumMS,M-TCLP . gistix\ICPMS\DataSet\September202
MB2-33764	01:55:00 Wed 22-S	Sample	C:\Users\Public\DocumMBLK,M-TCLP . gistix\ICPMS\DataSet\September202
CCV	02:00:35 Wed 22-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	02:06:09 Wed 22-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2%	02:11:43 Wed 22-S	QC Std #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
DI	02:17:18 Wed 22-S	QC Std #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202

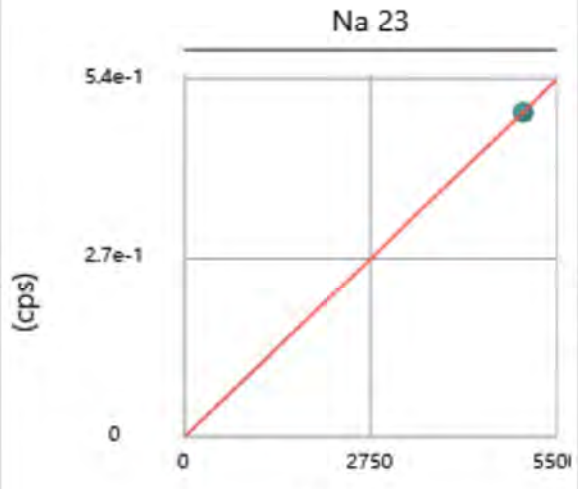
Calibration



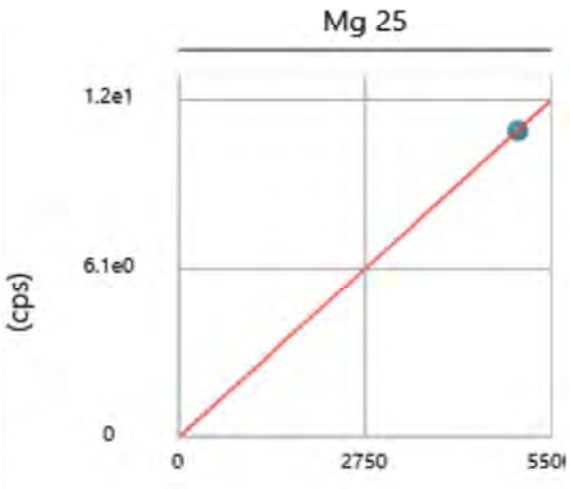
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999984
BEC : 0.000814 ug/L
DL : 0.000551 ug/L



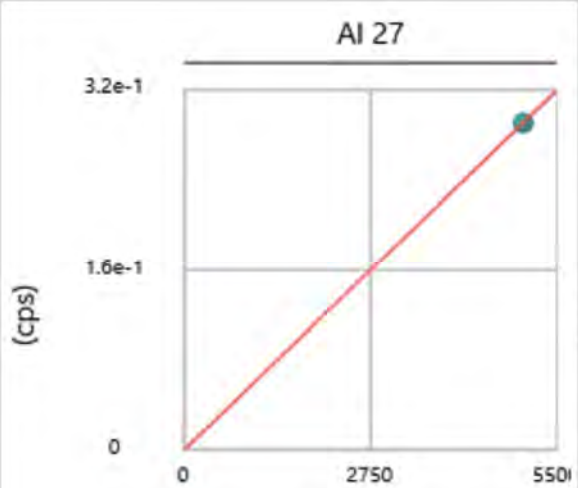
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.028895 ug/L
DL : 0.010369 ug/L



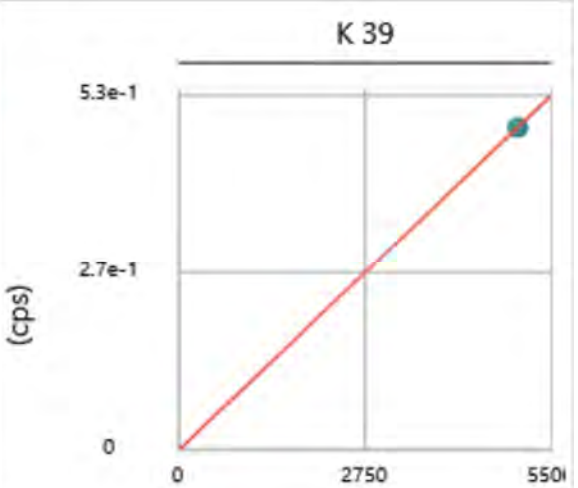
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 2.590571 ug/L
DL : 0.997406 ug/L



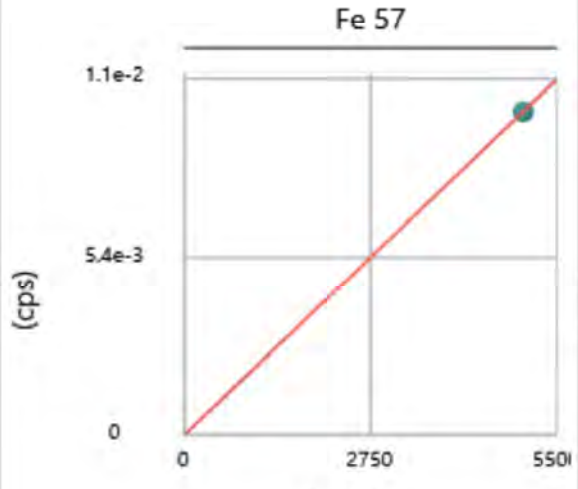
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.049743 ug/L
DL : 0.020125 ug/L



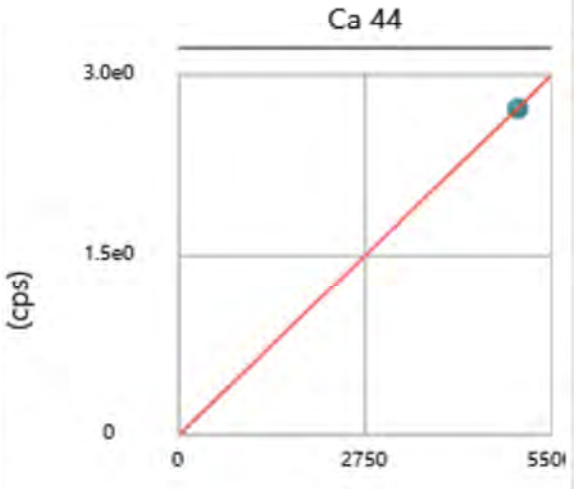
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.105429 ug/L
DL : 0.194623 ug/L



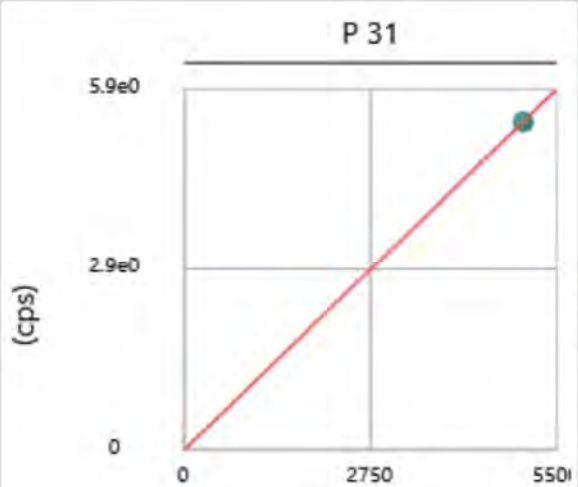
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 48.581819 ug/L
DL : 8.763694 ug/L



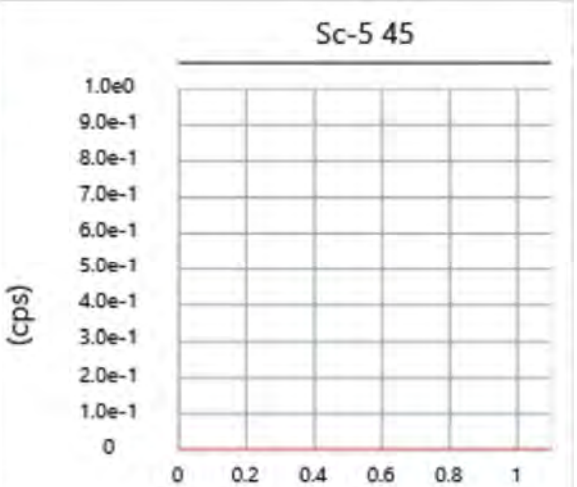
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 21.302378 ug/L
DL : 8.990723 ug/L



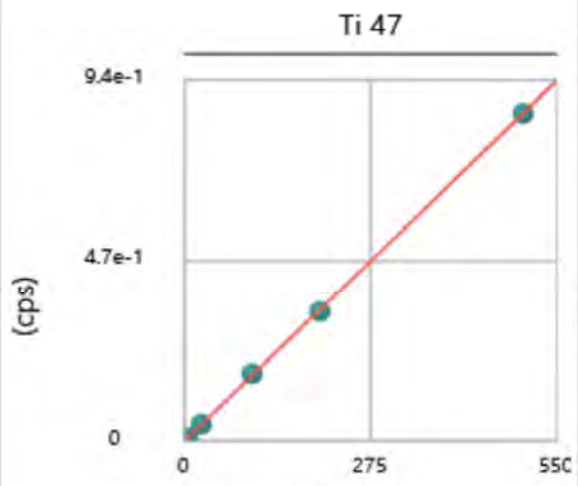
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 7.742137 ug/L
DL : 1.257878 ug/L



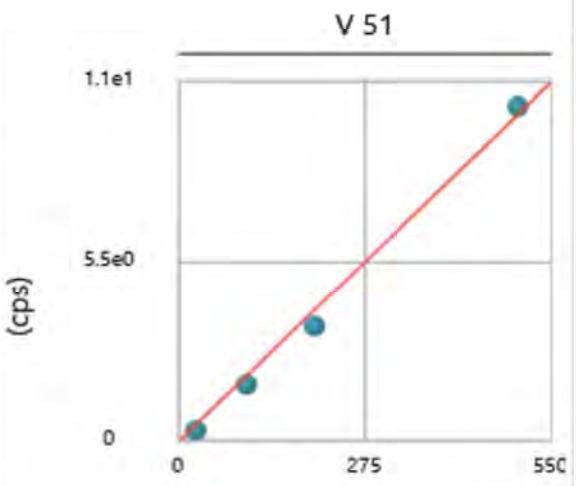
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 30.414527 ug/L
DL : 1.281995 ug/L



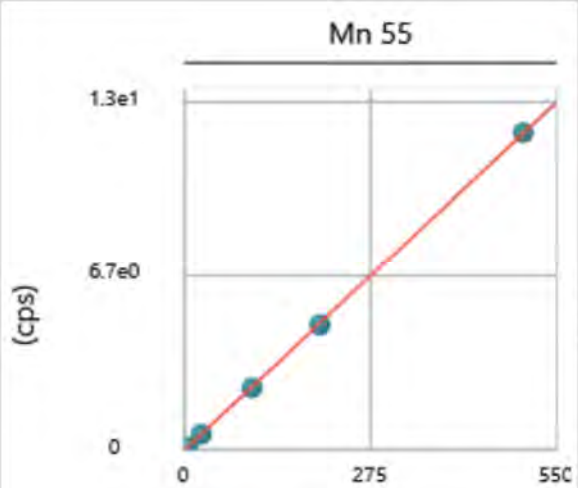
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



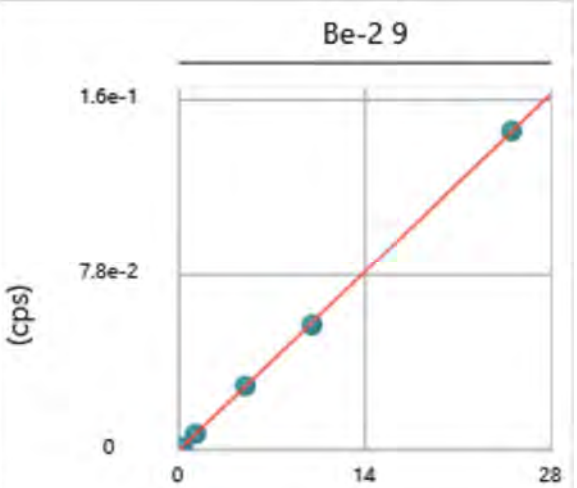
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999978
BEC : 0.085827 ug/L
DL : 0.029734 ug/L



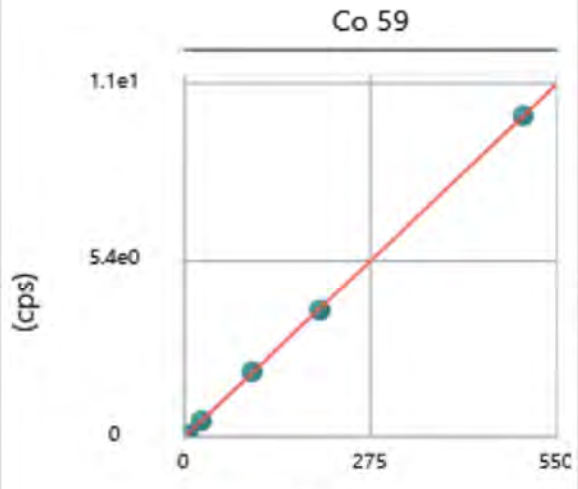
Eqn. : y = 0.020x + 0.000
Cor.Coeff. : 0.998116
BEC : 58.324582 ug/L
DL : 2.571894 ug/L



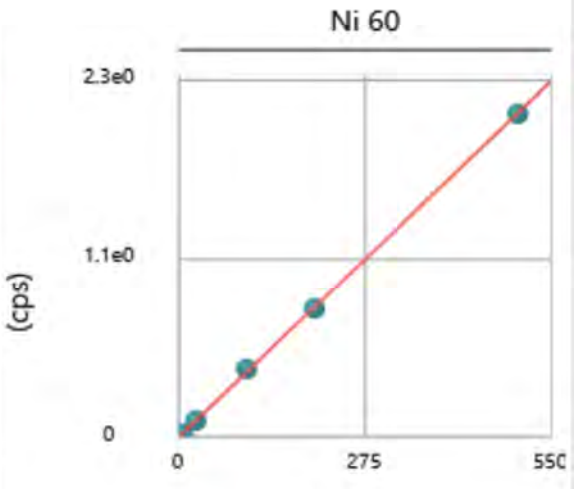
Eqn. : y = 0.025x + 0.000
Cor.Coeff. : 0.999982
BEC : 0.066669 ug/L
DL : 0.004113 ug/L



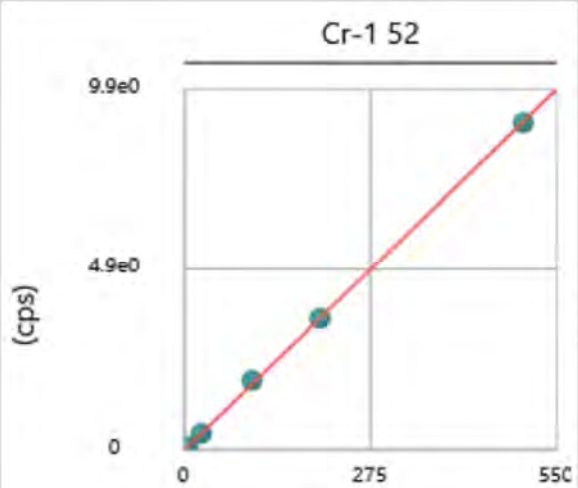
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999971
BEC : 0.000746 ug/L
DL : 0.000556 ug/L



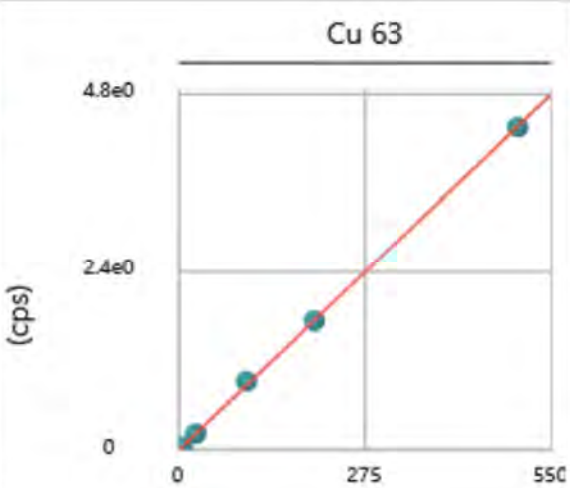
Eqn. : y = 0.020x + 0.000
Cor.Coeff. : 0.999976
BEC : 0.002367 ug/L
DL : 0.001947 ug/L



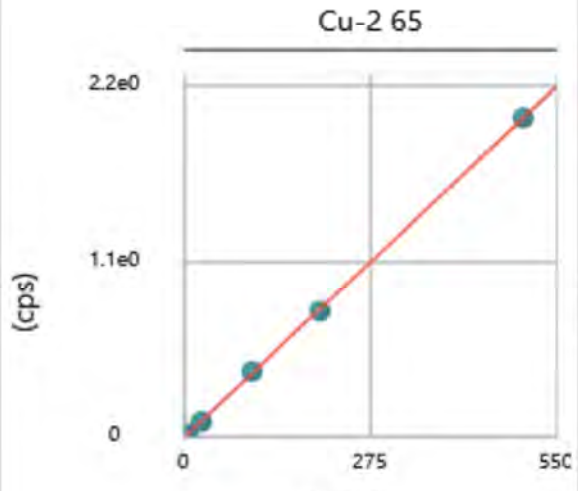
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999941
BEC : 0.021100 ug/L
DL : 0.011860 ug/L



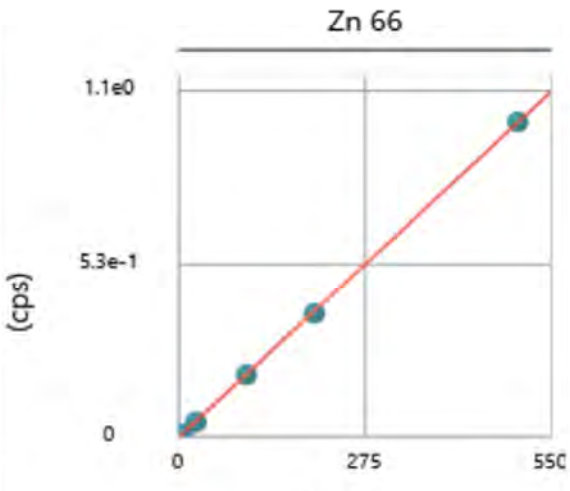
Eqn. : y = 0.018x + 0.000
Cor.Coeff. : 0.999928
BEC : 1.901784 ug/L
DL : 0.261397 ug/L



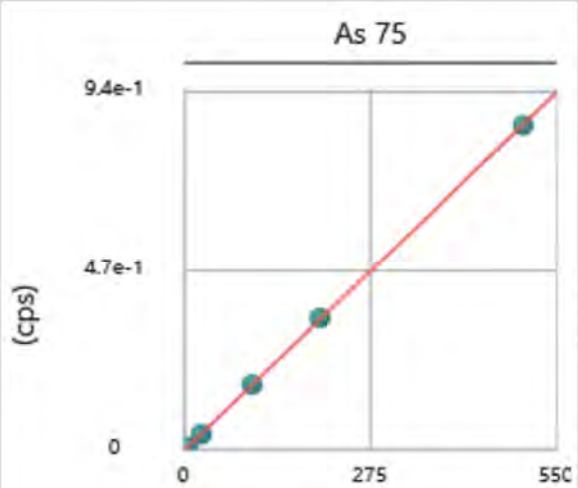
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999927
BEC : 0.021497 ug/L
DL : 0.004356 ug/L



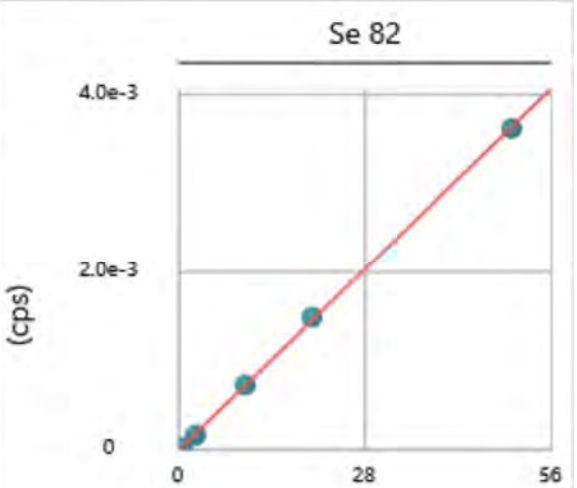
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999969
BEC : 0.018682 ug/L
DL : 0.006337 ug/L



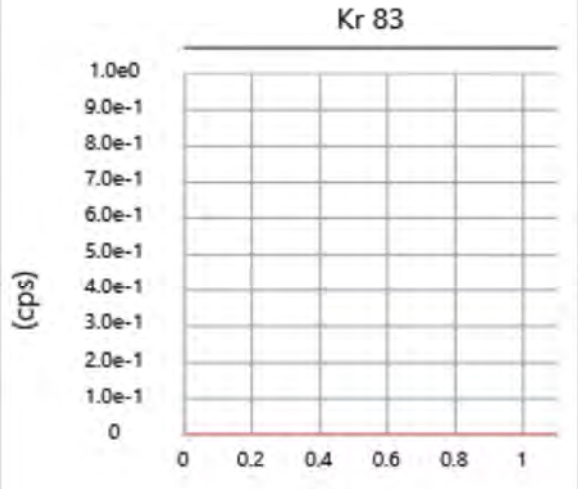
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999971
BEC : 0.072340 ug/L
DL : 0.010363 ug/L



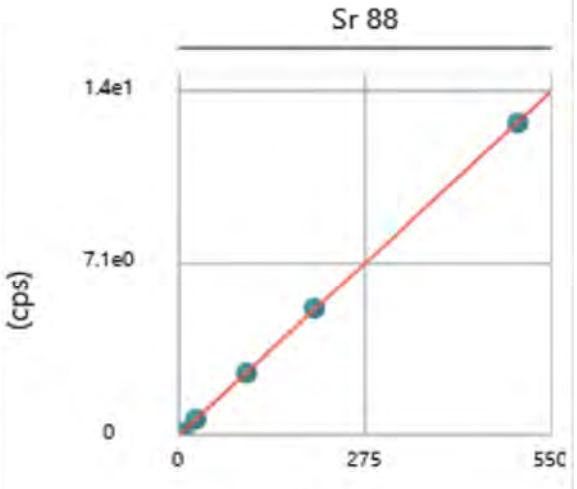
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999988
BEC : 0.194203 ug/L
DL : 0.784082 ug/L



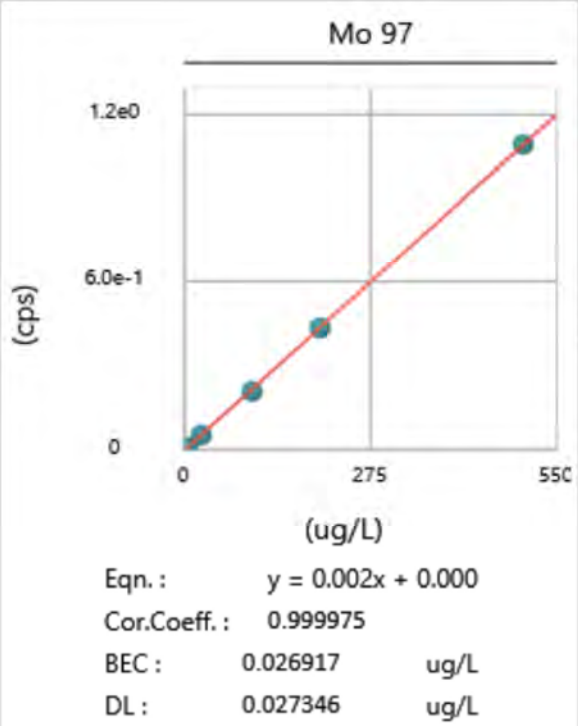
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999936
BEC : -0.265494 ug/L
DL : 0.153707 ug/L



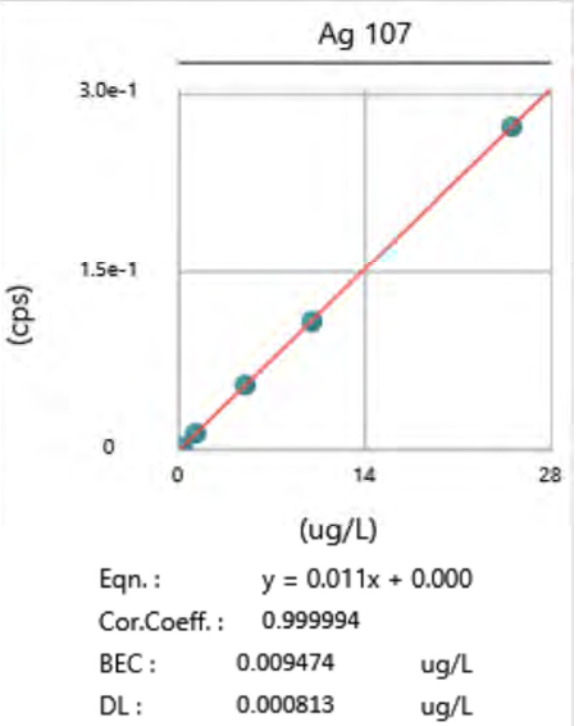
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



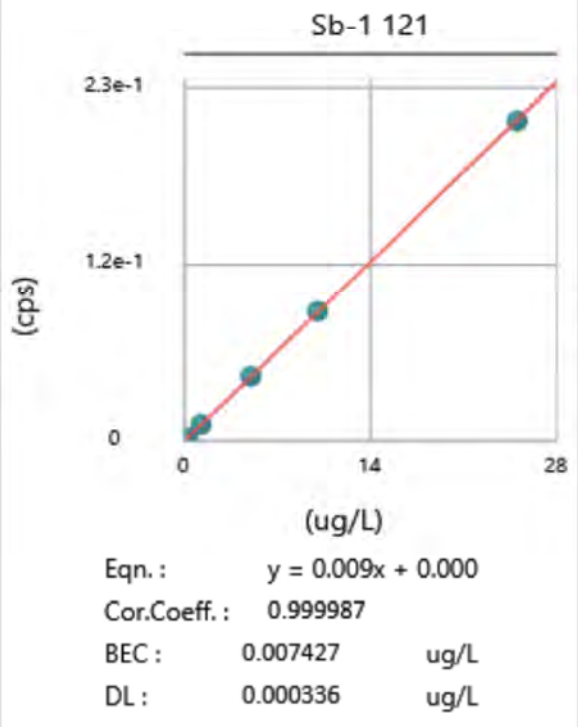
Eqn. : y = 0.026x + 0.000
Cor.Coeff. : 0.999990
BEC : 0.001503 ug/L
DL : 0.000487 ug/L



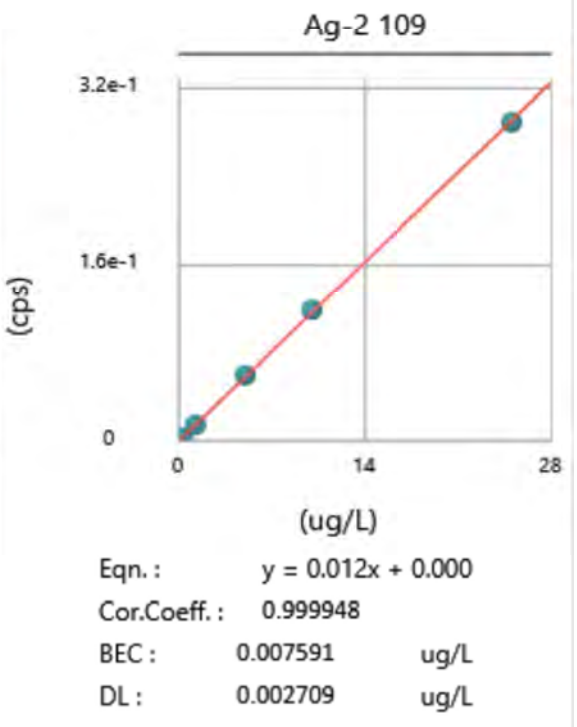
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999975
BEC : 0.026917 ug/L
DL : 0.027346 ug/L



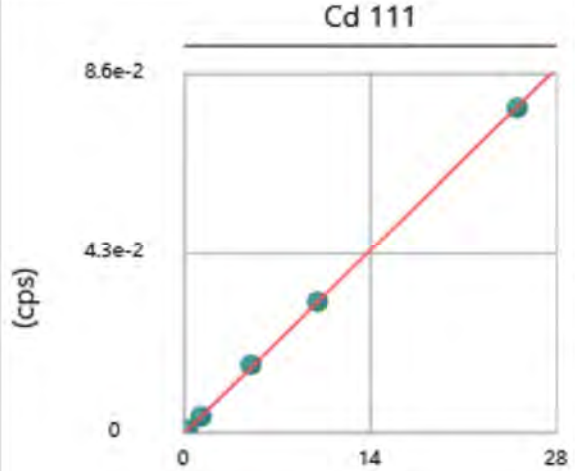
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999994
BEC : 0.009474 ug/L
DL : 0.000813 ug/L



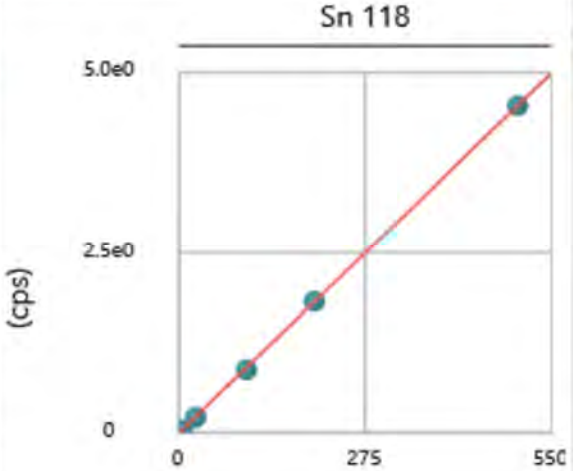
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999987
BEC : 0.007427 ug/L
DL : 0.000336 ug/L



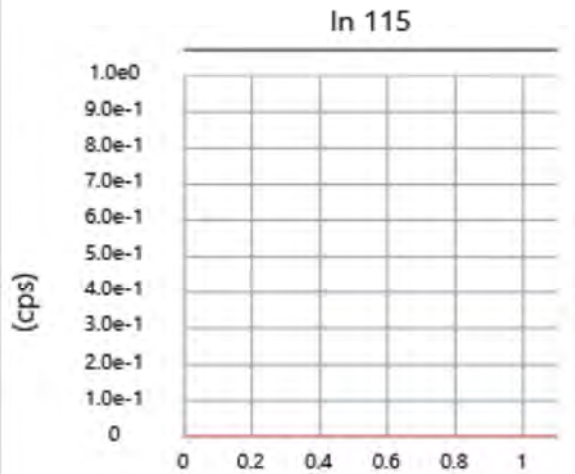
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999948
BEC : 0.007591 ug/L
DL : 0.002709 ug/L



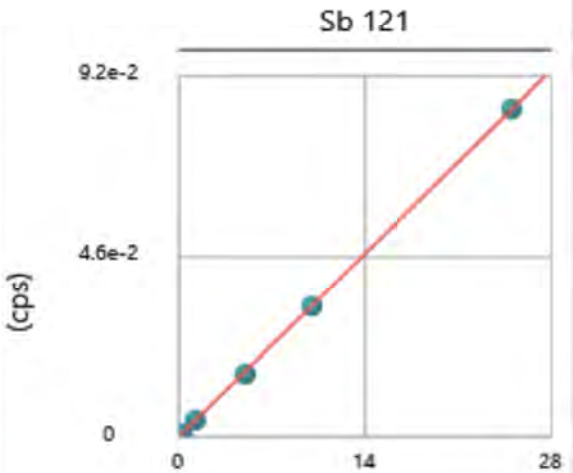
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999959
BEC : 0.000856 ug/L
DL : 0.002280 ug/L



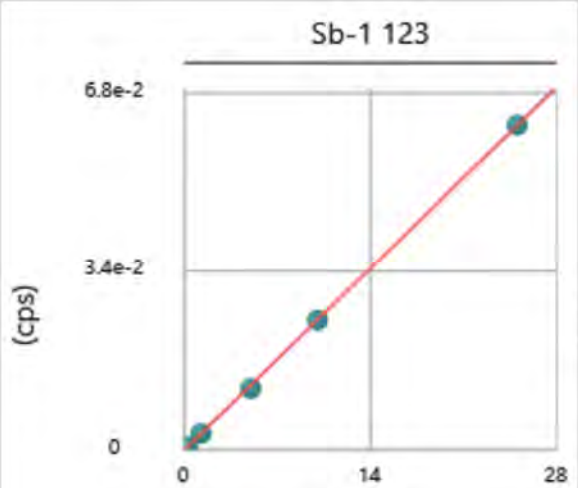
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999981
BEC : 0.085758 ug/L
DL : 0.017037 ug/L



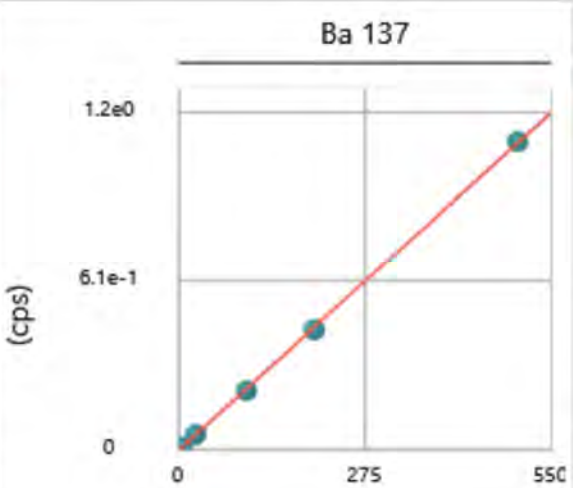
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



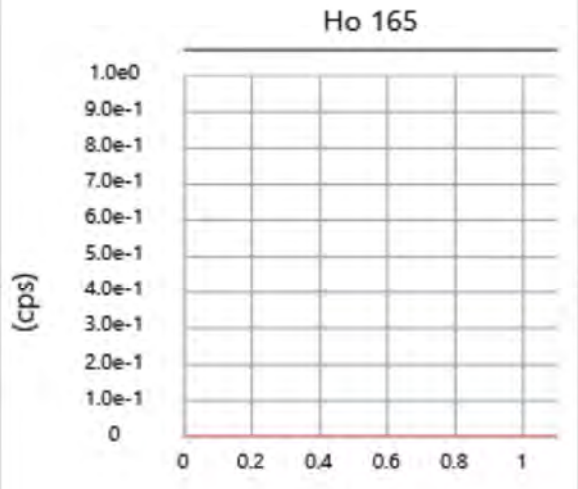
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999970
BEC : 0.007294 ug/L
DL : 0.000479 ug/L



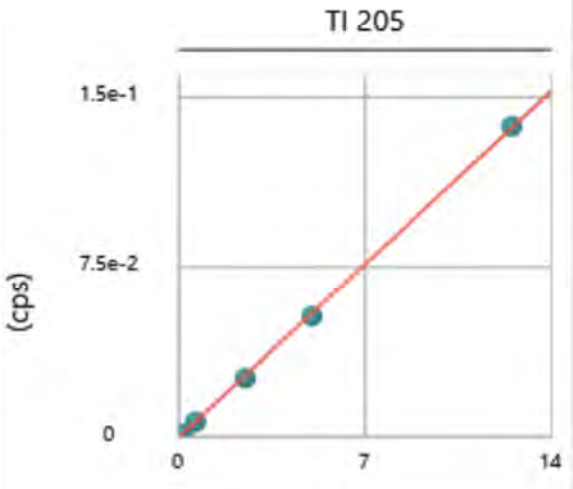
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999954
BEC : 0.007632 ug/L
DL : 0.002526 ug/L



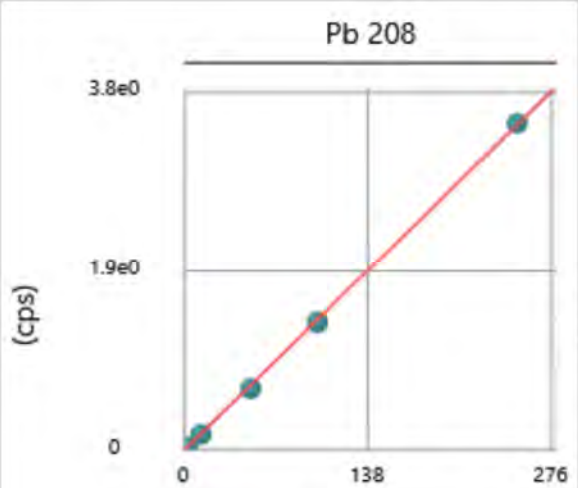
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999946
BEC : 0.004258 ug/L
DL : 0.004203 ug/L



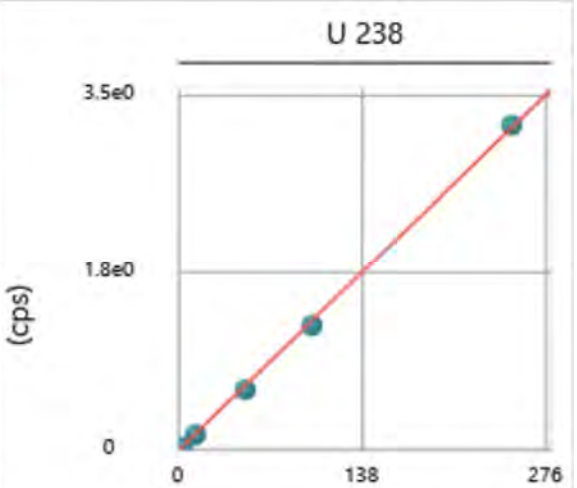
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



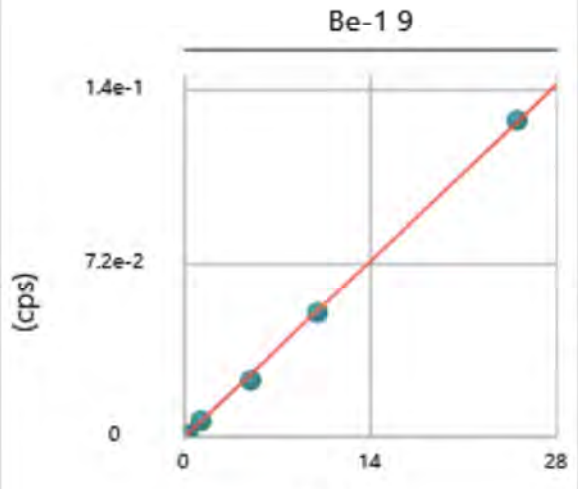
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999911
BEC : 0.000480 ug/L
DL : 0.000738 ug/L



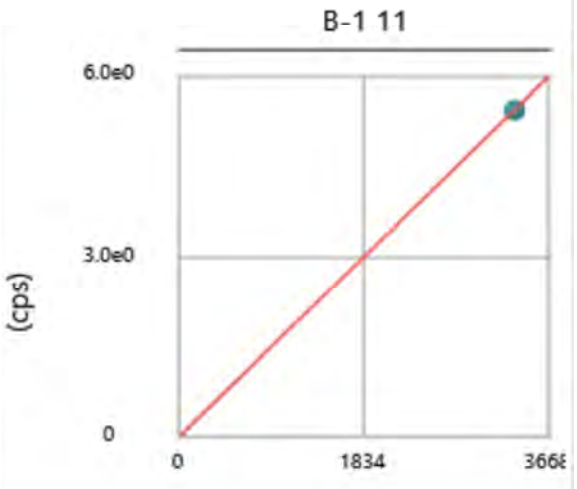
Eqn. : y = 0.014x + 0.000
Cor.Coeff. : 0.999914
BEC : 0.004111 ug/L
DL : 0.001450 ug/L



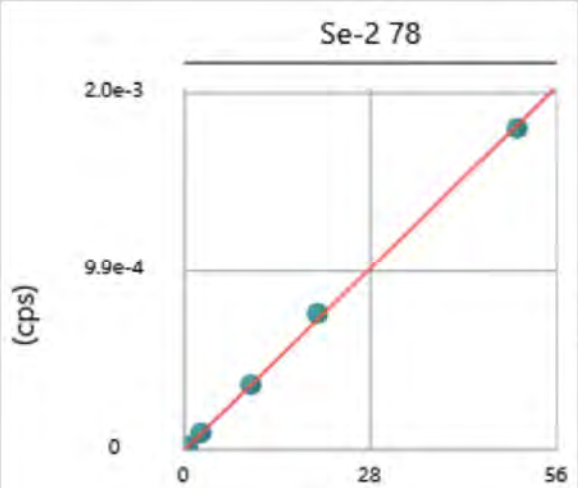
Eqn. : y = 0.013x + 0.000
Cor.Coeff. : 0.999824
BEC : 0.000058 ug/L
DL : 0.000299 ug/L



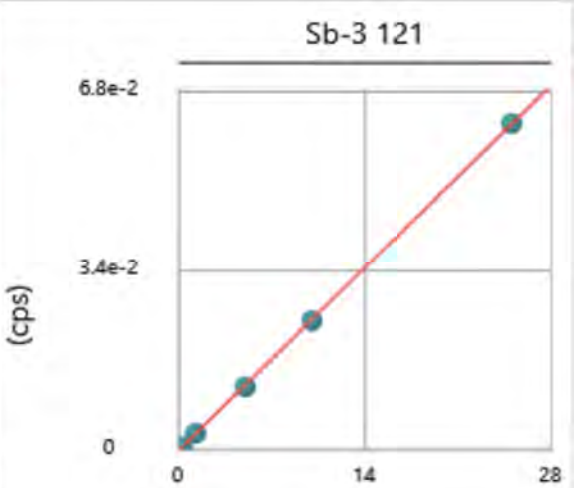
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999817
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



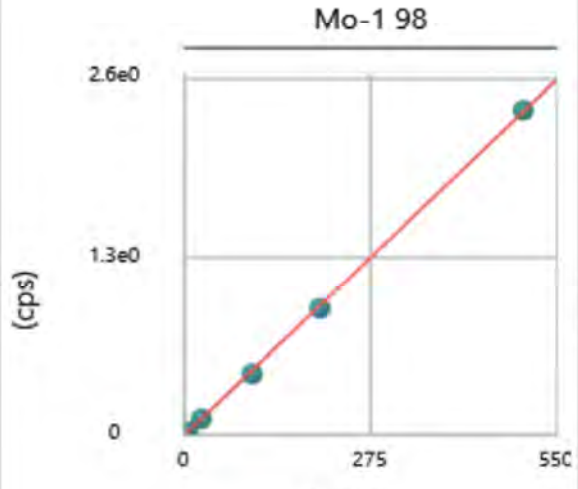
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



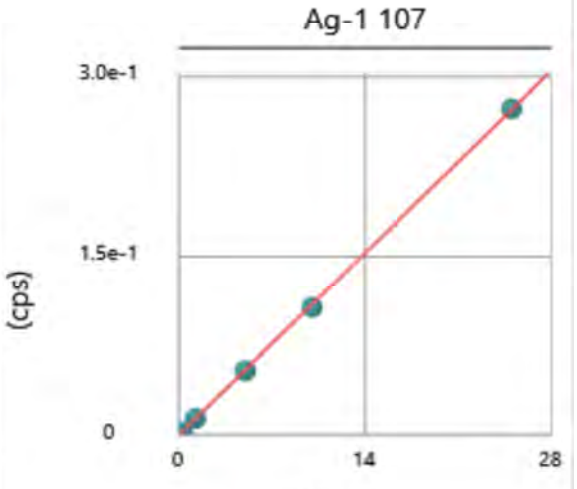
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999800
BEC : 0.693528 ug/L
DL : 0.424240 ug/L



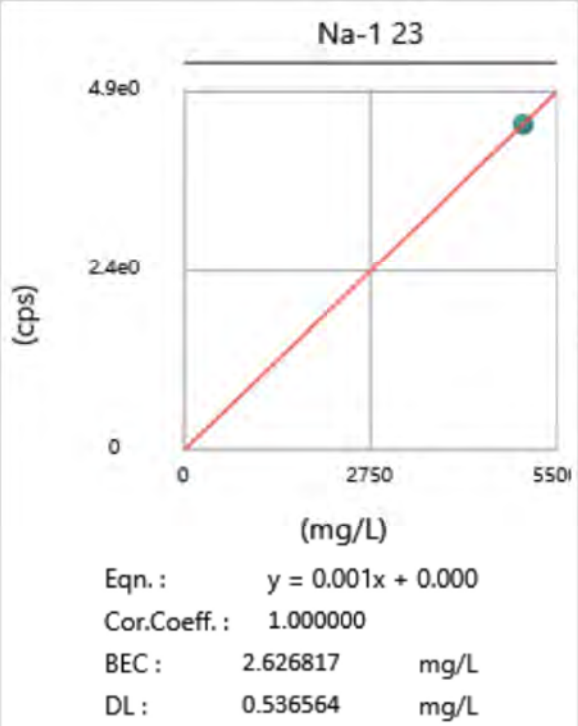
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999978
BEC : 0.009360 ug/L
DL : 0.008394 ug/L



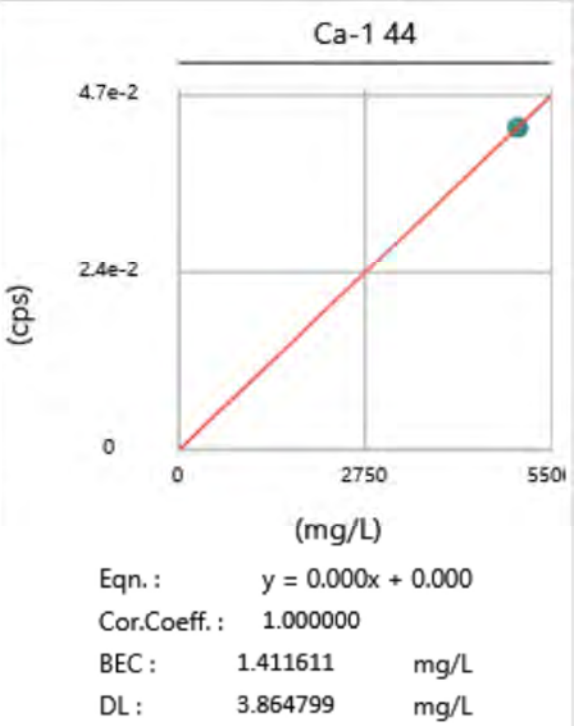
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999908
BEC : 0.009817 ug/L
DL : 0.006950 ug/L



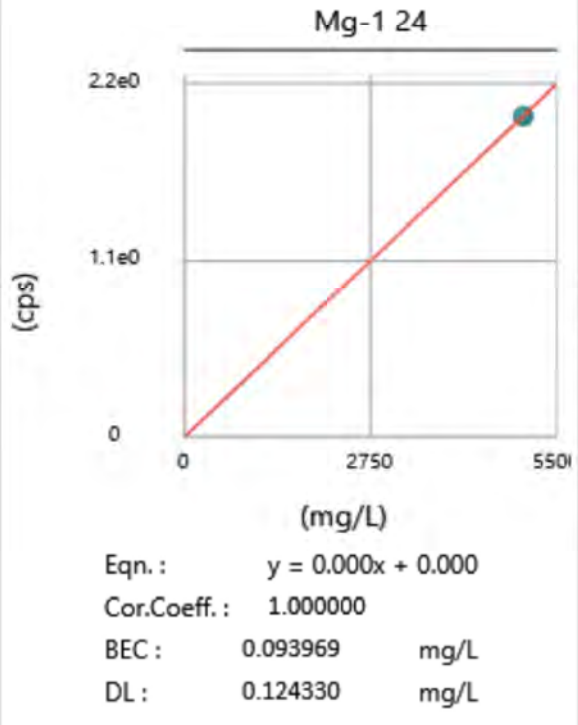
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999966
BEC : 0.008493 ug/L
DL : 0.000199 ug/L



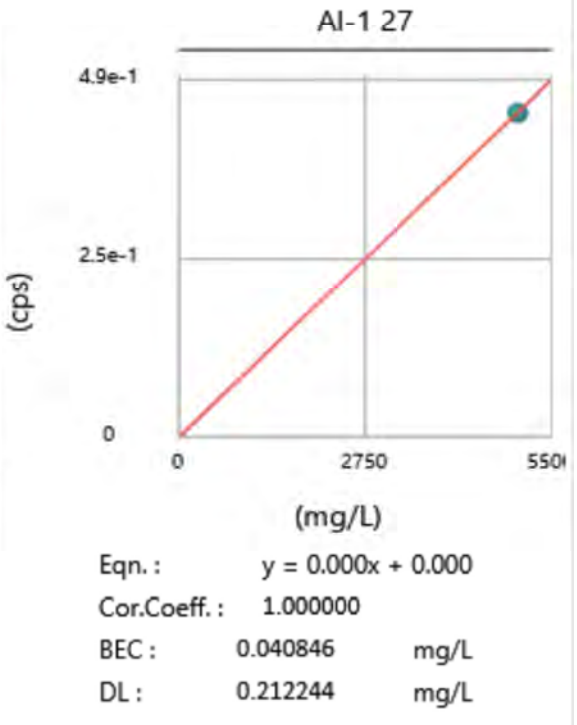
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 2.626817 mg/L
DL : 0.536564 mg/L



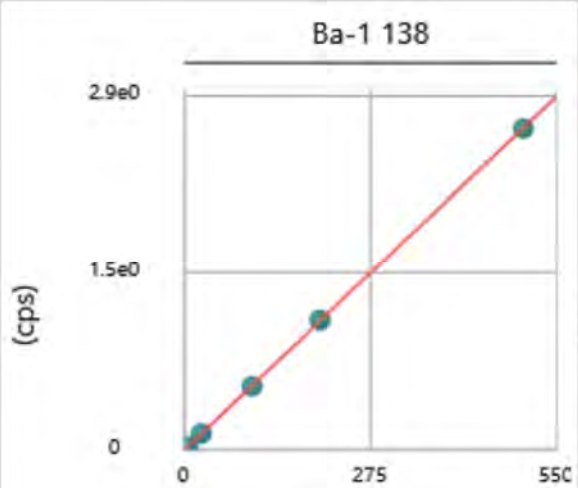
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 1.411611 mg/L
DL : 3.864799 mg/L



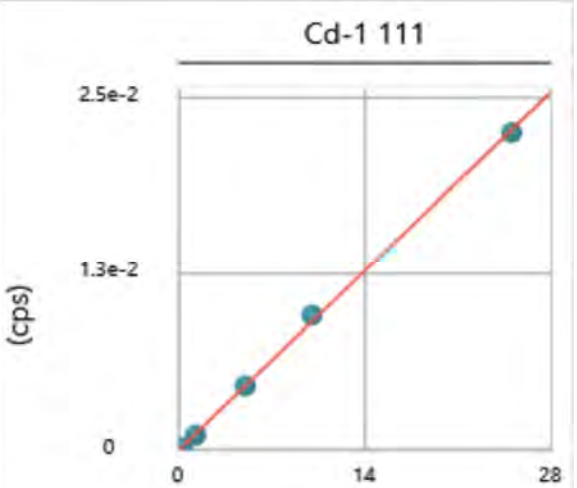
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.093969 mg/L
DL : 0.124330 mg/L



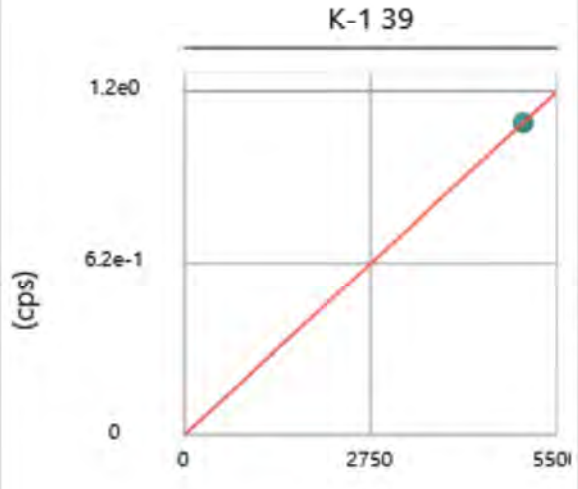
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.040846 mg/L
DL : 0.212244 mg/L



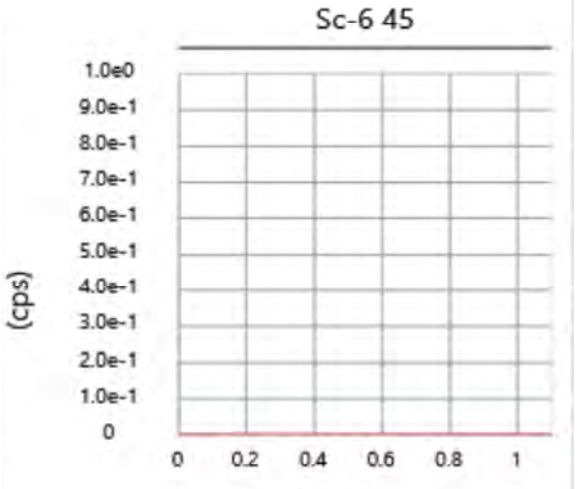
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999995
BEC : 0.004145 mg/L
DL : 0.006246 mg/L



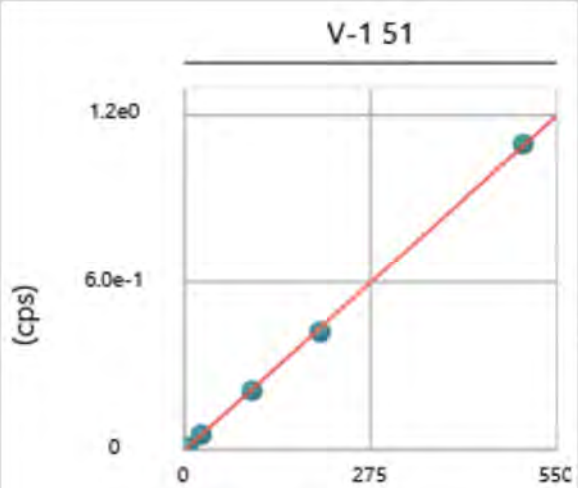
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999793
BEC : 0.017692 mg/L
DL : 0.036312 mg/L



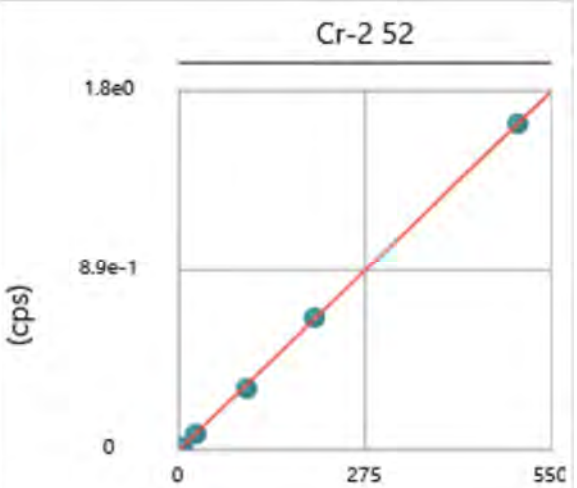
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 85.222624 mg/L
DL : 16.413062 mg/L



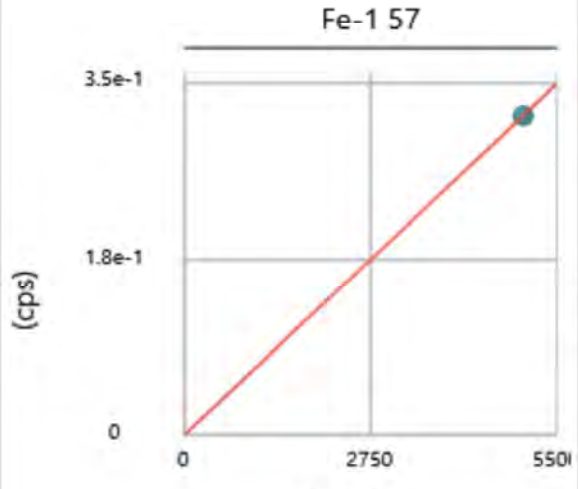
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN mg/L
DL : NaN mg/L



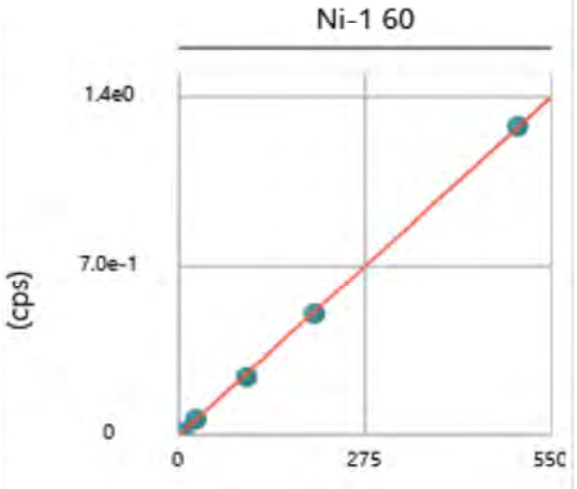
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999918
BEC : 0.463070 ug/L
DL : 0.316393 ug/L



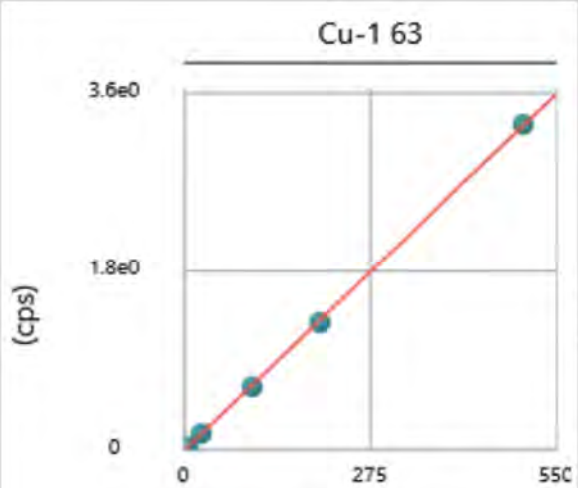
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999944
BEC : 0.040901 ug/L
DL : 0.025311 ug/L



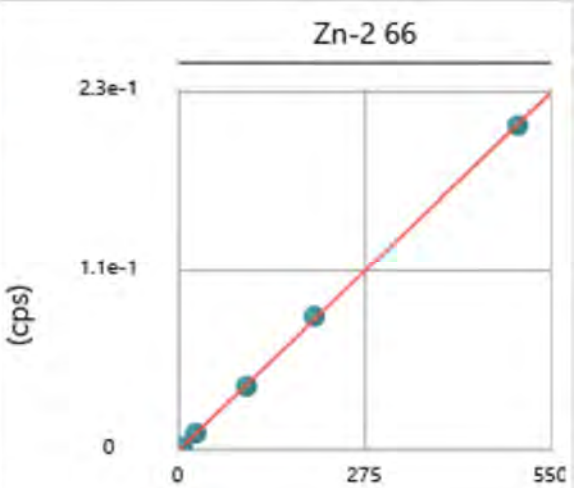
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.342770 ug/L
DL : 0.890638 ug/L



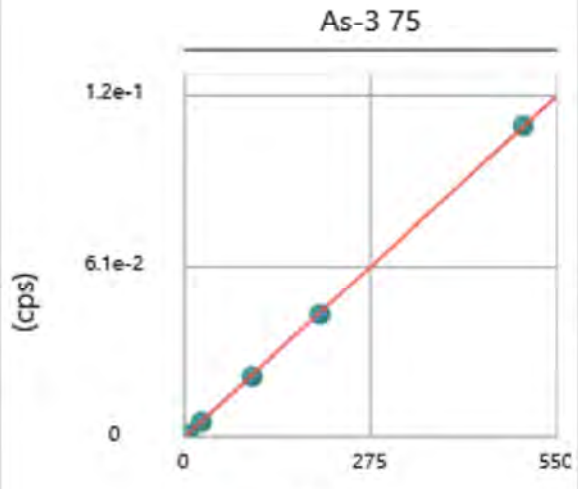
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999928
BEC : 0.023174 ug/L
DL : 0.038400 ug/L



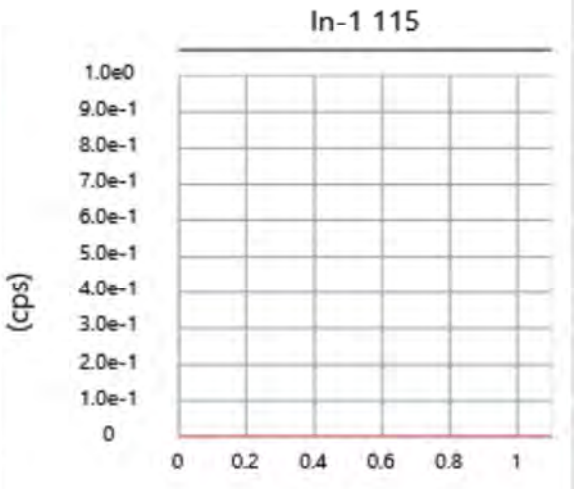
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999962
BEC : 0.014178 ug/L
DL : 0.015451 ug/L



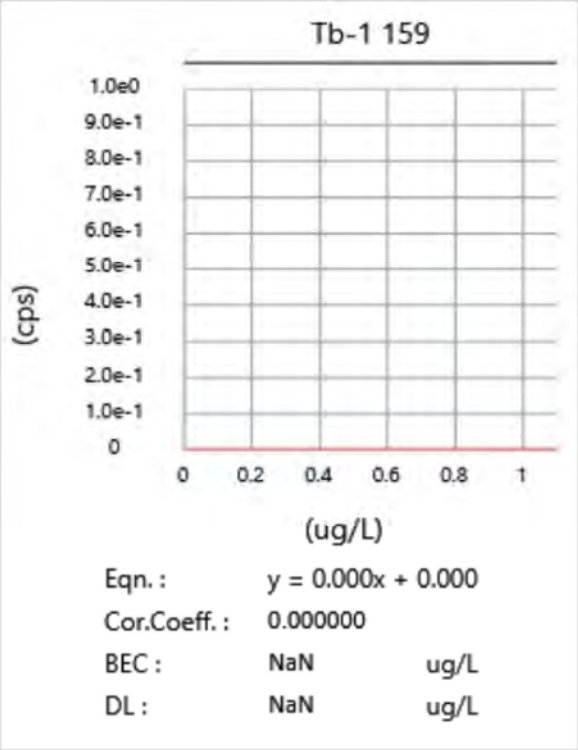
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999949
BEC : 0.080508 ug/L
DL : 0.086361 ug/L

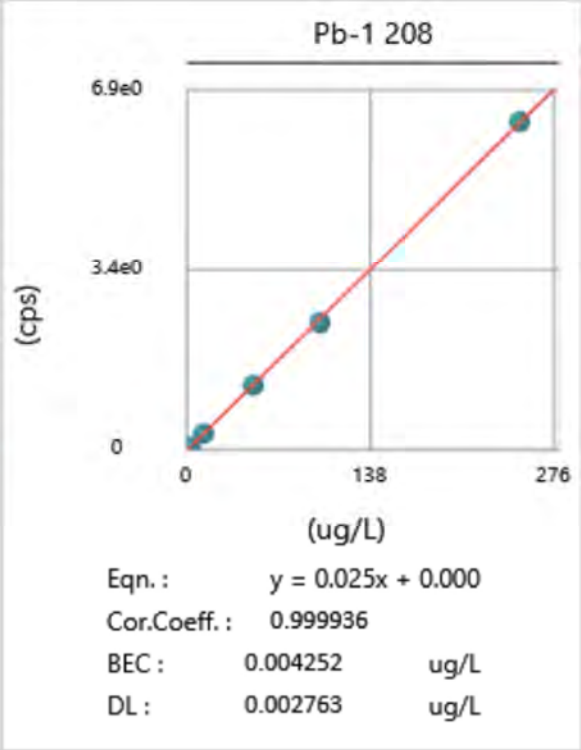


Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999970
BEC : 0.078485 ug/L
DL : 0.140333 ug/L



Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L


Tb-1 159
1.0e0
9.0e-1
8.0e-1
7.0e-1
6.0e-1
5.0e-1
4.0e-1
3.0e-1
2.0e-1
1.0e-1
0
(cps)
0
0.2
0.4
0.6
0.8
1
(ug/L)
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L


Pb-1 208
6.9e0
3.4e0
0
(cps)
0
138
276
(ug/L)
Eqn. : y = 0.025x + 0.000
Cor.Coeff. : 0.999936
BEC : 0.004252 ug/L
DL : 0.002763 ug/L

Tunes

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 9/20/2021 9:05:56 AM
End Time: 9/20/2021 9:08:20 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 7937.87
Obtained Intensity (Mg 24): 32884.54
Obtained Intensity (In 115): 67659.00
Obtained Intensity (U 238): 54809.17
Obtained Intensity (Bkgd 220): 0.60
Obtained Formula (CeO 156 / Ce 140): 0.024 (=2120.09 / 87912.59)
Obtained Formula (Ce++ 70 / Ce 140): 0.009 (=809.89 / 87912.59)
Obtained RSD (Be 9): 0.0273
Obtained RSD (Mg 24): 0.0104
Obtained RSD (In 115): 0.0267
Obtained RSD (U 238): 0.0190

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 9/20/2021 9:05:56 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 7937.87
Obtained Intensity (Mg 24): 32884.54
Obtained Intensity (In 115): 67659.00
Obtained Intensity (U 238): 54809.17
Obtained Intensity (Bkgd 220): 0.60
Obtained Formula (CeO 156 / Ce 140): 0.024 (=2120.09 / 87912.59)
Obtained Formula (Ce++ 70 / Ce 140): 0.009 (=809.89 / 87912.59)
Obtained RSD (Be 9): 0.0273
Obtained RSD (Mg 24): 0.0104
Obtained RSD (In 115): 0.0267
Obtained RSD (U 238): 0.0190

[Passed] Optimum value(s): N/A

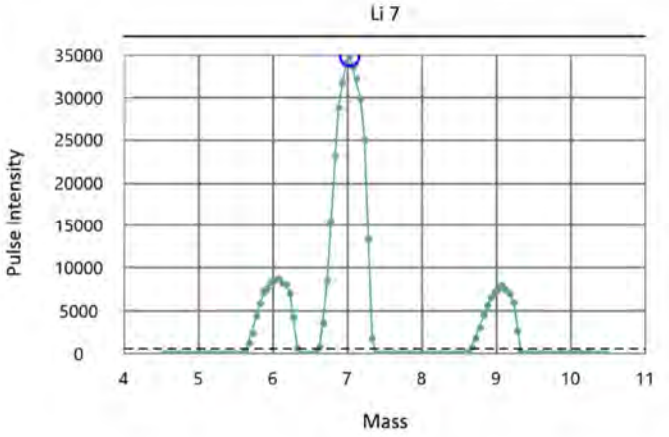
End Time: 9/20/2021 9:08:20 AM

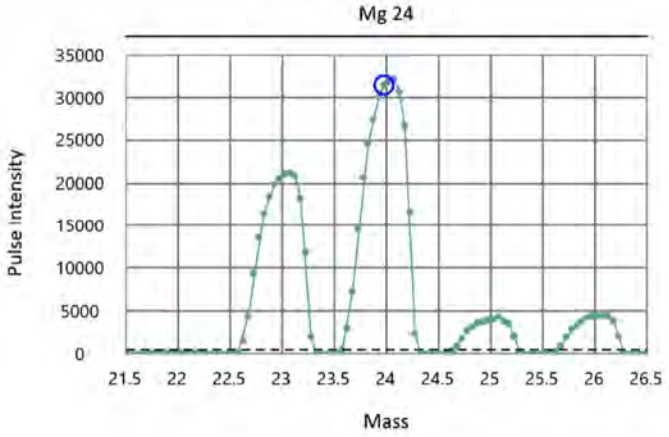
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.686)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.696)
Target/Obtained mass (114.904/114.875), Target/Obtained resolution (0.7/0.675)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.711)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.707)

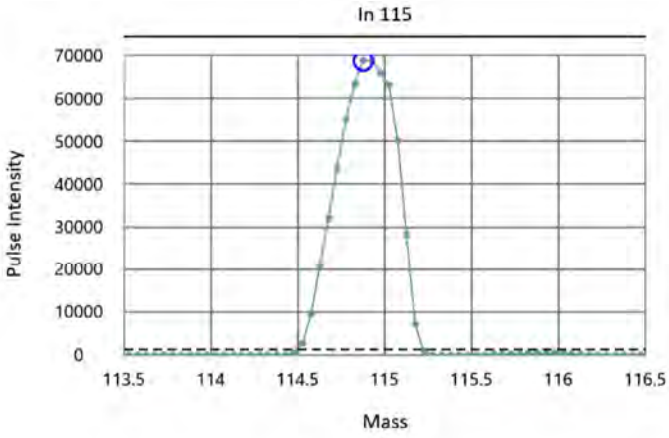
Acq. Date/Time: 9/20/2021 8:46:53 AM

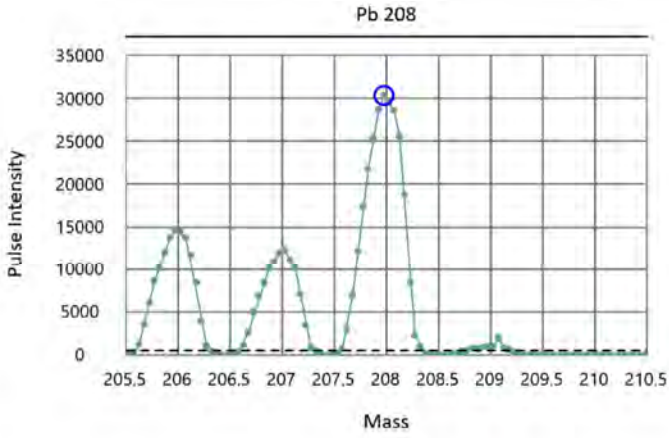
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

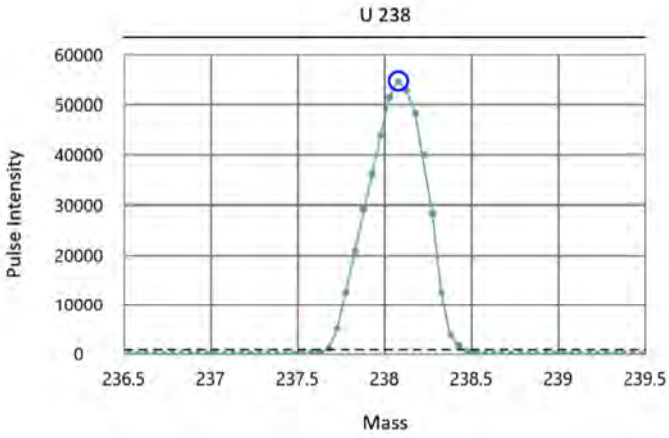
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1327	2022	0.686	
Mg	23.985	23.975	4712	2023	0.696	
In	114.904	114.875	22850	2041	0.675	
Pb	207.977	207.975	41422	2060	0.711	
U	238.05	238.075	47422	2067	0.707	











SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 9/20/2021 5:18:00 PM
End Time: 9/20/2021 5:20:25 PM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 10347.88
Obtained Intensity (Mg 24): 33167.06
Obtained Intensity (In 115): 70879.56
Obtained Intensity (U 238): 59850.80
Obtained Intensity (Bkgd 220): 0.43
Obtained Formula (CeO 156 / Ce 140): 0.020 (=1588.09 / 77478.54)
Obtained Formula (Ce++ 70 / Ce 140): 0.009 (=708.15 / 77478.54)
Obtained RSD (Be 9): 0.0149
Obtained RSD (Mg 24): 0.0136
Obtained RSD (In 115): 0.0258
Obtained RSD (U 238): 0.0152

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 9/20/2021 5:18:00 PM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 10347.88
Obtained Intensity (Mg 24): 33167.06
Obtained Intensity (In 115): 70879.56
Obtained Intensity (U 238): 59850.80
Obtained Intensity (Bkgd 220): 0.43
Obtained Formula (CeO 156 / Ce 140): 0.020 (=1588.09 / 77478.54)
Obtained Formula (Ce++ 70 / Ce 140): 0.009 (=708.15 / 77478.54)
Obtained RSD (Be 9): 0.0149
Obtained RSD (Mg 24): 0.0136
Obtained RSD (In 115): 0.0258
Obtained RSD (U 238): 0.0152

[Passed] Optimum value(s): N/A

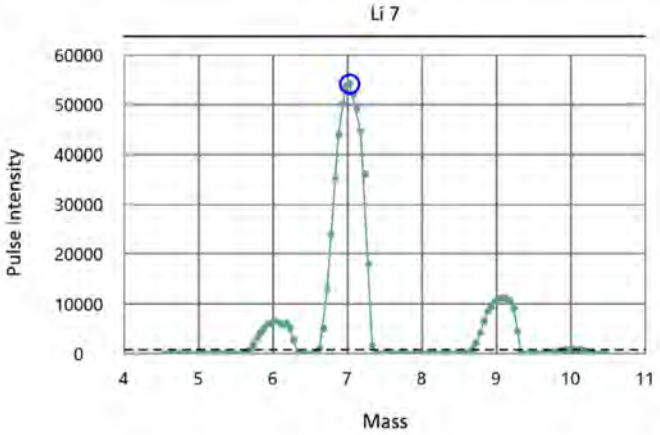
End Time: 9/20/2021 5:20:25 PM

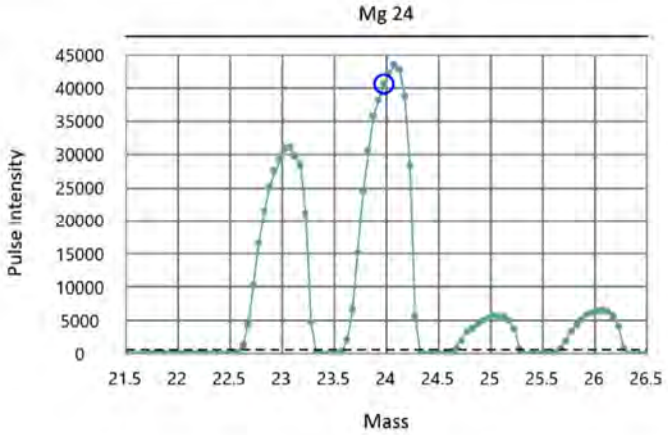
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.678)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.687)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.688)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.717)
Target/Obtained mass (238.05/238.025), Target/Obtained resolution (0.7/0.705)

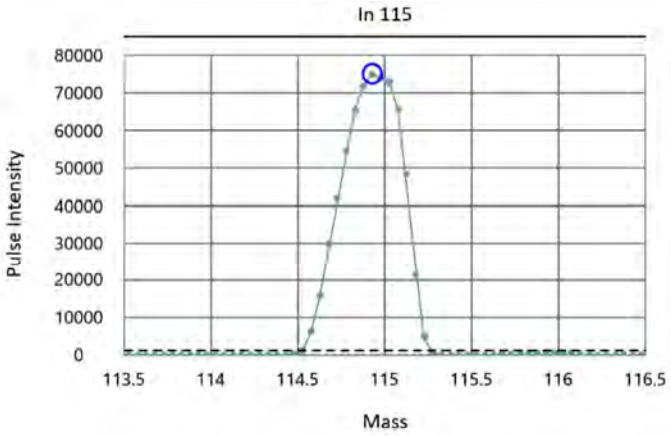
Acq. Date/Time: 9/20/2021 5:07:45 PM

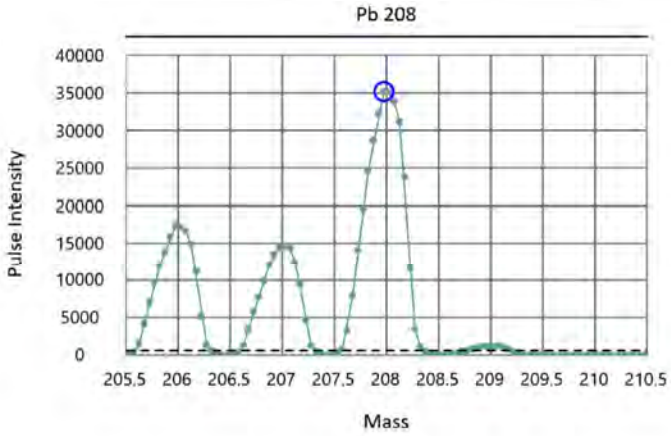
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

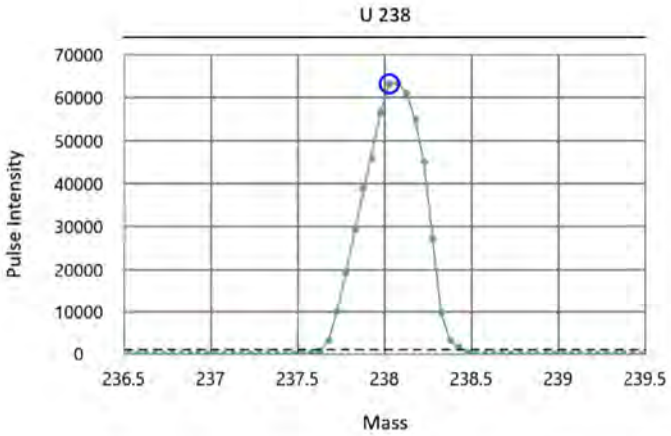
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1328	2022	0.678	
Mg	23.985	23.975	4710	2023	0.687	
In	114.904	114.925	22854	2041	0.688	
Pb	207.977	207.975	41421	2060	0.717	
U	238.05	238.025	47417	2067	0.705	











SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 9/21/2021 8:56:15 AM
End Time: 9/21/2021 8:58:40 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 11714.60
Obtained Intensity (Mg 24): 43416.11
Obtained Intensity (In 115): 81813.18
Obtained Intensity (U 238): 71743.34
Obtained Intensity (Bkgd 220): 0.27
Obtained Formula (CeO 156 / Ce 140): 0.025 (=1866.66 / 75818.34)
Obtained Formula (Ce++ 70 / Ce 140): 0.023 (=1781.11 / 75818.34)
Obtained RSD (Be 9): 0.0185
Obtained RSD (Mg 24): 0.0251
Obtained RSD (In 115): 0.0157
Obtained RSD (U 238): 0.0175

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 9/21/2021 8:56:15 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 11714.60
Obtained Intensity (Mg 24): 43416.11
Obtained Intensity (In 115): 81813.18
Obtained Intensity (U 238): 71743.34
Obtained Intensity (Bkgd 220): 0.27
Obtained Formula (CeO 156 / Ce 140): 0.025 (=1866.66 / 75818.34)
Obtained Formula (Ce++ 70 / Ce 140): 0.023 (=1781.11 / 75818.34)
Obtained RSD (Be 9): 0.0185
Obtained RSD (Mg 24): 0.0251
Obtained RSD (In 115): 0.0157
Obtained RSD (U 238): 0.0175

[Passed] Optimum value(s): N/A

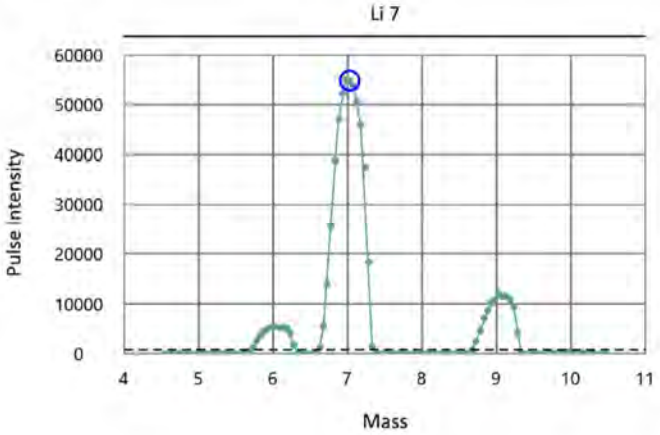
End Time: 9/21/2021 8:58:40 AM

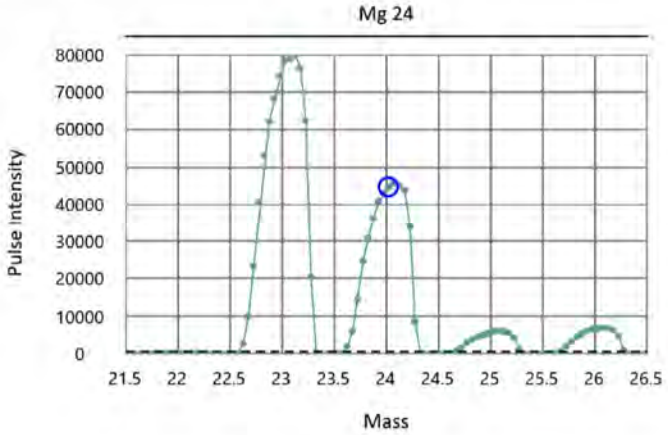
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.680)
Target/Obtained mass (23.985/24.025), Target/Obtained resolution (0.7/0.685)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.676)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.704)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.702)

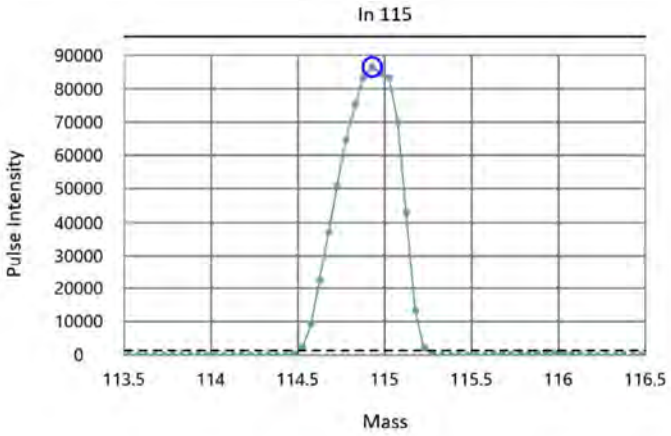
Acq. Date/Time: 9/21/2021 8:43:09 AM

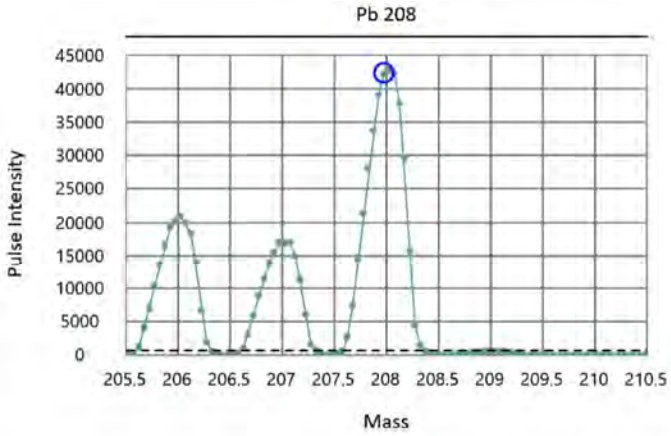
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

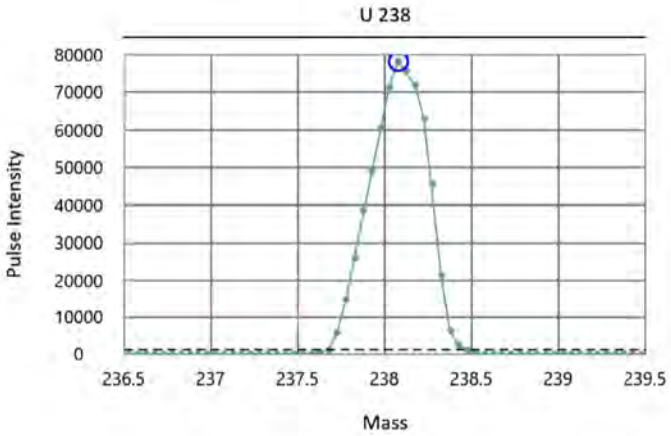
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1329	2022	0.680	
Mg	23.985	24.025	4717	2023	0.685	
In	114.904	114.925	22858	2041	0.676	
Pb	207.977	207.975	41420	2060	0.704	
U	238.05	238.075	47421	2067	0.702	











3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Shannon & Wilson
Ryan Peterson
400 N. 34th Street, Suite 100
Seattle, WA 98103

RE: 8801- Excavations
Work Order Number: 2109317

September 23, 2021

Attention Ryan Peterson:

Fremont Analytical, Inc. received 11 sample(s) on 9/20/2021 for the analyses presented in the following report.

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)
Sample Moisture (Percent Moisture)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CLIENT: Shannon & Wilson
Project: 8801- Excavations
Work Order: 2109317

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109317-001	A2-SIDE1:1	09/20/2021 9:24 AM	09/20/2021 4:56 PM
2109317-002	A2-SIDE2:1	09/20/2021 9:26 AM	09/20/2021 4:56 PM
2109317-003	A2-SIDE3:1	09/20/2021 9:28 AM	09/20/2021 4:56 PM
2109317-004	A2-SIDE4:1.5	09/20/2021 9:30 AM	09/20/2021 4:56 PM
2109317-005	A2-SIDE5:1	09/20/2021 9:33 AM	09/20/2021 4:56 PM
2109317-006	A2-SIDE6:1	09/20/2021 9:35 AM	09/20/2021 4:56 PM
2109317-007	A2-BOT1:2.5	09/20/2021 9:40 AM	09/20/2021 4:56 PM
2109317-008	A2-BOT2:2.5	09/20/2021 9:42 AM	09/20/2021 4:56 PM
2109317-009	A2-BOT3:2.5	09/20/2021 9:44 AM	09/20/2021 4:56 PM
2109317-010	A2-BOT4:2.5	09/20/2021 9:47 AM	09/20/2021 4:56 PM
2109317-011	A2-BOT100:2.5	09/20/2021 10:00 AM	09/20/2021 4:56 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Revision v1

Case Narrative

WO#: **2109317**
Date: **9/23/2021**

CLIENT: Shannon & Wilson
Project: 8801- Excavations

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

10/3/2021: Revision 1 includes level 2B data package.

Qualifiers:

* - Associated LCS is outside of control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Method Detection Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **2109317**
Date Reported: **9/23/2021**

Client: Shannon & Wilson
Collection Date: 9/20/2021 9:24:00 AM
Project: 8801- Excavations
Lab ID: 2109317-001
Matrix: Soil
Client Sample ID: A2-SIDE1:1

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33775			Analyst: SB
Benz(a)anthracene	ND	20.4	2.57		µg/Kg-dry	1	09/21/21 19:35:45
Chrysene	ND	40.9	7.40		µg/Kg-dry	1	09/21/21 19:35:45
Benzo(b)fluoranthene	ND	20.4	2.21		µg/Kg-dry	1	09/21/21 19:35:45
Benzo(k)fluoranthene	ND	20.4	2.77		µg/Kg-dry	1	09/21/21 19:35:45
Benzo(a)pyrene	ND	20.4	2.30		µg/Kg-dry	1	09/21/21 19:35:45
Indeno(1,2,3-cd)pyrene	ND	40.9	7.29		µg/Kg-dry	1	09/21/21 19:35:45
Dibenz(a,h)anthracene	ND	40.9	8.93		µg/Kg-dry	1	09/21/21 19:35:45
Surr: 2-Fluorobiphenyl	77.9	27.9 - 129			%Rec	1	09/21/21 19:35:45
Surr: Terphenyl-d14 (surr)	84.0	39.1 - 145	0		%Rec	1	09/21/21 19:35:45
Sample Moisture (Percent Moisture)				Batch ID: R70037			Analyst: cb
Percent Moisture	20.8	0.500	0.100		wt%	1	09/21/21 14:11:42

Analytical Report

Work Order: **2109317**
Date Reported: **9/23/2021**

Client: Shannon & Wilson
Collection Date: 9/20/2021 9:26:00 AM
Project: 8801- Excavations
Lab ID: 2109317-002
Matrix: Soil
Client Sample ID: A2-SIDE2:1

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33775			Analyst: SB
Benz(a)anthracene	2,500	206	25.9	D	µg/Kg-dry	10	09/21/21 19:57:15
Chrysene	2,710	412	74.7	D	µg/Kg-dry	10	09/21/21 19:57:15
Benzo(b)fluoranthene	3,020	206	22.3	D	µg/Kg-dry	10	09/21/21 19:57:15
Benzo(k)fluoranthene	3,490	206	27.9	D	µg/Kg-dry	10	09/21/21 19:57:15
Benzo(a)pyrene	4,910	206	23.2	D	µg/Kg-dry	10	09/21/21 19:57:15
Indeno(1,2,3-cd)pyrene	2,800	412	73.6	D	µg/Kg-dry	10	09/21/21 19:57:15
Dibenz(a,h)anthracene	1,250	412	90.1	D	µg/Kg-dry	10	09/21/21 19:57:15
Surr: 2-Fluorobiphenyl	72.4	27.9 - 129		D	%Rec	10	09/21/21 19:57:15
Surr: Terphenyl-d14 (surr)	83.4	39.1 - 145	0	D	%Rec	10	09/21/21 19:57:15
Sample Moisture (Percent Moisture)				Batch ID: R70037			Analyst: cb
Percent Moisture	20.4	0.500	0.100		wt%	1	09/21/21 14:11:42

Revision v1

Analytical Report

Work Order: **2109317**
Date Reported: **9/23/2021**

Client: Shannon & Wilson
Collection Date: 9/20/2021 9:28:00 AM
Project: 8801- Excavations
Lab ID: 2109317-003
Matrix: Soil
Client Sample ID: A2-SIDE3:1

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33775			Analyst: SB
Benz(a)anthracene	256	25.9	3.25		µg/Kg-dry	1	09/21/21 20:18:40
Chrysene	290	51.7	9.37		µg/Kg-dry	1	09/21/21 20:18:40
Benzo(b)fluoranthene	179	25.9	2.80		µg/Kg-dry	1	09/21/21 20:18:40
Benzo(k)fluoranthene	202	25.9	3.50		µg/Kg-dry	1	09/21/21 20:18:40
Benzo(a)pyrene	262	25.9	2.91		µg/Kg-dry	1	09/21/21 20:18:40
Indeno(1,2,3-cd)pyrene	119	51.7	9.24		µg/Kg-dry	1	09/21/21 20:18:40
Dibenz(a,h)anthracene	60.8	51.7	11.3		µg/Kg-dry	1	09/21/21 20:18:40
Surr: 2-Fluorobiphenyl	67.1	27.9 - 129			%Rec	1	09/21/21 20:18:40
Surr: Terphenyl-d14 (surr)	75.5	39.1 - 145	0		%Rec	1	09/21/21 20:18:40
Sample Moisture (Percent Moisture)				Batch ID: R70037			Analyst: cb
Percent Moisture	38.6	0.500	0.100		wt%	1	09/21/21 14:11:42

Analytical Report

Work Order: **2109317**
Date Reported: **9/23/2021**

Client: Shannon & Wilson
Collection Date: 9/20/2021 9:30:00 AM
Project: 8801- Excavations
Lab ID: 2109317-004
Matrix: Soil
Client Sample ID: A2-SIDE4:1.5

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33775			Analyst: SB
Benz(a)anthracene	1,470	257	32.3	D	µg/Kg-dry	10	09/21/21 20:40:03
Chrysene	1,770	514	93.1	D	µg/Kg-dry	10	09/21/21 20:40:03
Benzo(b)fluoranthene	4,830	257	27.8	D	µg/Kg-dry	10	09/21/21 20:40:03
Benzo(k)fluoranthene	3,520	257	34.8	D	µg/Kg-dry	10	09/21/21 20:40:03
Benzo(a)pyrene	6,920	257	28.9	D	µg/Kg-dry	10	09/21/21 20:40:03
Indeno(1,2,3-cd)pyrene	5,390	514	91.8	D	µg/Kg-dry	10	09/21/21 20:40:03
Dibenz(a,h)anthracene	1,950	514	112	D	µg/Kg-dry	10	09/21/21 20:40:03
Surr: 2-Fluorobiphenyl	59.4	27.9 - 129		D	%Rec	10	09/21/21 20:40:03
Surr: Terphenyl-d14 (surr)	61.9	39.1 - 145	0	D	%Rec	10	09/21/21 20:40:03
Sample Moisture (Percent Moisture)				Batch ID: R70037			Analyst: cb
Percent Moisture	36.7	0.500	0.100		wt%	1	09/21/21 14:11:42

Revision v1

Analytical Report

Work Order: **2109317**
Date Reported: **9/23/2021**

Client: Shannon & Wilson
Collection Date: 9/20/2021 9:33:00 AM
Project: 8801- Excavations
Lab ID: 2109317-005
Matrix: Soil
Client Sample ID: A2-SIDE5:1

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33775			Analyst: SB
Benz(a)anthracene	214	18.2	2.29		µg/Kg-dry	1	09/21/21 21:01:37
Chrysene	228	36.4	6.60		µg/Kg-dry	1	09/21/21 21:01:37
Benzo(b)fluoranthene	148	18.2	1.97		µg/Kg-dry	1	09/21/21 21:01:37
Benzo(k)fluoranthene	175	18.2	2.47		µg/Kg-dry	1	09/21/21 21:01:37
Benzo(a)pyrene	209	18.2	2.05		µg/Kg-dry	1	09/21/21 21:01:37
Indeno(1,2,3-cd)pyrene	86.6	36.4	6.50		µg/Kg-dry	1	09/21/21 21:01:37
Dibenz(a,h)anthracene	38.9	36.4	7.96		µg/Kg-dry	1	09/21/21 21:01:37
Surr: 2-Fluorobiphenyl	68.3	27.9 - 129			%Rec	1	09/21/21 21:01:37
Surr: Terphenyl-d14 (surr)	74.6	39.1 - 145	0		%Rec	1	09/21/21 21:01:37
Sample Moisture (Percent Moisture)				Batch ID: R70037			Analyst: cb
Percent Moisture	12.2	0.500	0.100		wt%	1	09/21/21 14:11:42

Analytical Report

Work Order: **2109317**
Date Reported: **9/23/2021**

Client: Shannon & Wilson
Collection Date: 9/20/2021 9:35:00 AM
Project: 8801- Excavations
Lab ID: 2109317-006
Matrix: Soil
Client Sample ID: A2-SIDE6:1

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33775			Analyst: SB
Benz(a)anthracene	2,820	20.8	2.62		µg/Kg-dry	1	09/21/21 21:23:02
Chrysene	3,190	41.7	7.55		µg/Kg-dry	1	09/21/21 21:23:02
Benzo(b)fluoranthene	1,540	20.8	2.25		µg/Kg-dry	1	09/21/21 21:23:02
Benzo(k)fluoranthene	1,440	20.8	2.82		µg/Kg-dry	1	09/21/21 21:23:02
Benzo(a)pyrene	1,680	20.8	2.34		µg/Kg-dry	1	09/21/21 21:23:02
Indeno(1,2,3-cd)pyrene	638	41.7	7.44		µg/Kg-dry	1	09/21/21 21:23:02
Dibenz(a,h)anthracene	306	41.7	9.11		µg/Kg-dry	1	09/21/21 21:23:02
Surr: 2-Fluorobiphenyl	64.9	27.9 - 129			%Rec	1	09/21/21 21:23:02
Surr: Terphenyl-d14 (surr)	71.0	39.1 - 145	0		%Rec	1	09/21/21 21:23:02
Sample Moisture (Percent Moisture)				Batch ID: R70037			Analyst: cb
Percent Moisture	21.4	0.500	0.100		wt%	1	09/21/21 14:11:42

Analytical Report

Work Order: **2109317**
Date Reported: **9/23/2021**

Client: Shannon & Wilson
Collection Date: 9/20/2021 9:40:00 AM
Project: 8801- Excavations
Lab ID: 2109317-007
Matrix: Soil
Client Sample ID: A2-BOT1:2.5

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33775			Analyst: SB
Benz(a)anthracene	ND	17.9	2.25		µg/Kg-dry	1	09/21/21 21:44:26
Chrysene	ND	35.8	6.49		µg/Kg-dry	1	09/21/21 21:44:26
Benzo(b)fluoranthene	ND	17.9	1.93		µg/Kg-dry	1	09/21/21 21:44:26
Benzo(k)fluoranthene	ND	17.9	2.42		µg/Kg-dry	1	09/21/21 21:44:26
Benzo(a)pyrene	ND	17.9	2.01		µg/Kg-dry	1	09/21/21 21:44:26
Indeno(1,2,3-cd)pyrene	ND	35.8	6.39		µg/Kg-dry	1	09/21/21 21:44:26
Dibenz(a,h)anthracene	ND	35.8	7.83		µg/Kg-dry	1	09/21/21 21:44:26
Surr: 2-Fluorobiphenyl	74.1	27.9 - 129			%Rec	1	09/21/21 21:44:26
Surr: Terphenyl-d14 (surr)	81.4	39.1 - 145	0		%Rec	1	09/21/21 21:44:26
Sample Moisture (Percent Moisture)				Batch ID: R70037			Analyst: cb
Percent Moisture	9.70	0.500	0.100		wt%	1	09/21/21 14:11:42

Analytical Report

Work Order: **2109317**
Date Reported: **9/23/2021**

Client: Shannon & Wilson
Collection Date: 9/20/2021 9:42:00 AM
Project: 8801- Excavations
Lab ID: 2109317-008
Matrix: Soil
Client Sample ID: A2-BOT2:2.5

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33775			Analyst: SB
Benz(a)anthracene	ND	20.2	2.55		µg/Kg-dry	1	09/21/21 22:05:55
Chrysene	ND	40.5	7.34		µg/Kg-dry	1	09/21/21 22:05:55
Benzo(b)fluoranthene	ND	20.2	2.19		µg/Kg-dry	1	09/21/21 22:05:55
Benzo(k)fluoranthene	ND	20.2	2.74		µg/Kg-dry	1	09/21/21 22:05:55
Benzo(a)pyrene	ND	20.2	2.28		µg/Kg-dry	1	09/21/21 22:05:55
Indeno(1,2,3-cd)pyrene	ND	40.5	7.23		µg/Kg-dry	1	09/21/21 22:05:55
Dibenz(a,h)anthracene	ND	40.5	8.85		µg/Kg-dry	1	09/21/21 22:05:55
Surr: 2-Fluorobiphenyl	71.6	27.9 - 129			%Rec	1	09/21/21 22:05:55
Surr: Terphenyl-d14 (surr)	80.7	39.1 - 145	0		%Rec	1	09/21/21 22:05:55
Sample Moisture (Percent Moisture)				Batch ID: R70037			Analyst: cb
Percent Moisture	17.9	0.500	0.100		wt%	1	09/21/21 14:11:42

Analytical Report

Work Order: **2109317**
Date Reported: **9/23/2021**

Client: Shannon & Wilson
Collection Date: 9/20/2021 9:44:00 AM
Project: 8801- Excavations
Lab ID: 2109317-009
Matrix: Soil
Client Sample ID: A2-BOT3:2.5

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33775			Analyst: SB
Benz(a)anthracene	ND	19.4	2.44		µg/Kg-dry	1	09/21/21 22:27:19
Chrysene	ND	38.7	7.02		µg/Kg-dry	1	09/21/21 22:27:19
Benzo(b)fluoranthene	ND	19.4	2.09		µg/Kg-dry	1	09/21/21 22:27:19
Benzo(k)fluoranthene	ND	19.4	2.62		µg/Kg-dry	1	09/21/21 22:27:19
Benzo(a)pyrene	ND	19.4	2.18		µg/Kg-dry	1	09/21/21 22:27:19
Indeno(1,2,3-cd)pyrene	ND	38.7	6.92		µg/Kg-dry	1	09/21/21 22:27:19
Dibenz(a,h)anthracene	ND	38.7	8.47		µg/Kg-dry	1	09/21/21 22:27:19
Surr: 2-Fluorobiphenyl	64.3	27.9 - 129			%Rec	1	09/21/21 22:27:19
Surr: Terphenyl-d14 (surr)	75.3	39.1 - 145	0		%Rec	1	09/21/21 22:27:19
Sample Moisture (Percent Moisture)				Batch ID: R70037			Analyst: cb
Percent Moisture	22.2	0.500	0.100		wt%	1	09/21/21 14:11:42

Analytical Report

Work Order: **2109317**
Date Reported: **9/23/2021**

Client: Shannon & Wilson
Collection Date: 9/20/2021 9:47:00 AM
Project: 8801- Excavations
Lab ID: 2109317-010
Matrix: Soil
Client Sample ID: A2-BOT4:2.5

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33775			Analyst: SB
Benz(a)anthracene	ND	17.7	2.22		µg/Kg-dry	1	09/22/21 10:19:53
Chrysene	ND	35.4	6.41		µg/Kg-dry	1	09/22/21 10:19:53
Benzo(b)fluoranthene	ND	17.7	1.91		µg/Kg-dry	1	09/22/21 10:19:53
Benzo(k)fluoranthene	ND	17.7	2.39		µg/Kg-dry	1	09/22/21 10:19:53
Benzo(a)pyrene	ND	17.7	1.99		µg/Kg-dry	1	09/22/21 10:19:53
Indeno(1,2,3-cd)pyrene	ND	35.4	6.31		µg/Kg-dry	1	09/22/21 10:19:53
Dibenz(a,h)anthracene	ND	35.4	7.73		µg/Kg-dry	1	09/22/21 10:19:53
Surr: 2-Fluorobiphenyl	64.9	27.9 - 129			%Rec	1	09/22/21 10:19:53
Surr: Terphenyl-d14 (surr)	76.7	39.1 - 145	0		%Rec	1	09/22/21 10:19:53
Sample Moisture (Percent Moisture)				Batch ID: R70037			Analyst: cb
Percent Moisture	11.0	0.500	0.100		wt%	1	09/21/21 14:11:42

Analytical Report

Work Order: **2109317**
Date Reported: **9/23/2021**

Client: Shannon & Wilson
Collection Date: 9/20/2021 10:00:00 AM
Project: 8801- Excavations
Lab ID: 2109317-011
Matrix: Soil
Client Sample ID: A2-BOT100:2.5

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33775			Analyst: SB
Benz(a)anthracene	ND	16.5	2.08		µg/Kg-dry	1	09/21/21 23:10:09
Chrysene	ND	33.1	5.99		µg/Kg-dry	1	09/21/21 23:10:09
Benzo(b)fluoranthene	ND	16.5	1.79		µg/Kg-dry	1	09/21/21 23:10:09
Benzo(k)fluoranthene	ND	16.5	2.24		µg/Kg-dry	1	09/21/21 23:10:09
Benzo(a)pyrene	ND	16.5	1.86		µg/Kg-dry	1	09/21/21 23:10:09
Indeno(1,2,3-cd)pyrene	ND	33.1	5.91		µg/Kg-dry	1	09/21/21 23:10:09
Dibenz(a,h)anthracene	ND	33.1	7.23		µg/Kg-dry	1	09/21/21 23:10:09
Surr: 2-Fluorobiphenyl	76.7	27.9 - 129			%Rec	1	09/21/21 23:10:09
Surr: Terphenyl-d14 (surr)	87.1	39.1 - 145	0		%Rec	1	09/21/21 23:10:09
Sample Moisture (Percent Moisture)				Batch ID: R70037			Analyst: cb
Percent Moisture	8.40	0.500	0.100		wt%	1	09/21/21 14:11:42

Work Order: 2109317
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **PAH ICB** SampType: **ICB** Units: **µg/L** Prep Date: **8/23/2021** RunNo: **69441**
Client ID: **ICB** Batch ID: **33775** Analysis Date: **8/23/2021** SeqNo: **1406963**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	20.0									
2-Methylnaphthalene	ND	20.0									
1-Methylnaphthalene	ND	20.0									
2-Chloronaphthalene	ND	20.0									
Acenaphthene	ND	20.0									
Dimethyl phthalate	ND	50.0									
Acenaphthylene	ND	20.0									
Dibenzofuran	ND	40.0									
Fluorene	ND	20.0									
Diethyl phthalate	ND	20.0									
Pentachlorophenol	ND	80.0									
Phenanthrene	ND	40.0									
Anthracene	ND	40.0									
Carbazole	ND	20.0									
Di-n-butyl phthalate	ND	40.0									
Fluoranthene	ND	40.0									
Pyrene	ND	40.0									
Butylbenzylphthalate	ND	20.0									
Benz(a)anthracene	ND	20.0									
Chrysene	ND	40.0									
Bis(2-ethylhexyl) phthalate	ND	20.0									
Di-n-octyl phthalate	ND	20.0									
Benzo(b)fluoranthene	ND	20.0									
Benzo(k)fluoranthene	ND	20.0									
Benzo(a)pyrene	ND	20.0									
Indeno(1,2,3-cd)pyrene	ND	40.0									
Dibenz(a,h)anthracene	ND	40.0									
Benzo(g,h,i)perylene	ND	20.0									
Surr: 2,4,6-Tribromophenol	927		1,000		92.7	14	136				
Surr: 2-Fluorobiphenyl	474		500.0		94.8	50.4	142				

Work Order: 2109317
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **PAH ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **8/23/2021**	RunNo: **69441**
Client ID: **ICB**	Batch ID: **33775**		Analysis Date: **8/23/2021**	SeqNo: **1406963**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Terphenyl-d14 (surr)	505		500.0		101	48.8	157				

Sample ID: **PAH ICV**	SampType: **ICV**	Units: **µg/L**	Prep Date: **8/23/2021**	RunNo: **69441**
Client ID: **ICV**	Batch ID: **33775**		Analysis Date: **8/23/2021**	SeqNo: **1406964**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,020	20.0	1,000	0	102	70	130				
2-Methylnaphthalene	1,020	20.0	1,000	0	102	70	130				
1-Methylnaphthalene	1,040	20.0	1,000	0	104	70	130				
2-Chloronaphthalene	1,040	20.0	1,000	0	104	70	130				
Acenaphthene	979	20.0	1,000	0	97.9	70	130				
Dimethyl phthalate	1,040	50.0	1,000	0	104	70	130				
Acenaphthylene	1,040	20.0	1,000	0	104	70	130				
Dibenzofuran	1,040	40.0	1,000	0	104	70	130				
Fluorene	1,040	20.0	1,000	0	104	70	130				
Diethyl phthalate	1,040	20.0	1,000	0	104	70	130				
Pentachlorophenol	991	80.0	1,000	0	99.1	70	130				
Phenanthrene	1,020	40.0	1,000	0	102	70	130				
Anthracene	1,030	40.0	1,000	0	103	70	130				
Carbazole	1,050	20.0	1,000	0	105	70	130				
Di-n-butyl phthalate	1,040	40.0	1,000	0	104	70	130				
Fluoranthene	1,040	40.0	1,000	0	104	70	130				
Pyrene	1,030	40.0	1,000	0	103	70	130				
Butylbenzylphthalate	1,040	20.0	1,000	0	104	70	130				
Benz(a)anthracene	1,030	20.0	1,000	0	103	70	130				
Chrysene	1,040	40.0	1,000	0	104	70	130				
Bis(2-ethylhexyl) phthalate	1,040	20.0	1,000	0	104	70	130				
Di-n-octyl phthalate	1,040	20.0	1,000	0	104	70	130				
Benzo(b)fluoranthene	1,080	20.0	1,000	0	108	70	130				
Benzo(k)fluoranthene	1,040	20.0	1,000	0	104	70	130				

Work Order: 2109317
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **PAH ICV**	SampType: **ICV**	Units: **µg/L**	Prep Date: **8/23/2021**	RunNo: **69441**
Client ID: **ICV**	Batch ID: **33775**		Analysis Date: **8/23/2021**	SeqNo: **1406964**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	1,150	20.0	1,000	0	115	70	130				
Indeno(1,2,3-cd)pyrene	1,040	40.0	1,000	0	104	70	130				
Dibenz(a,h)anthracene	1,050	40.0	1,000	0	105	70	130				
Benzo(g,h,i)perylene	1,060	20.0	1,000	0	106	70	130				
Surr: 2,4,6-Tribromophenol	1,040		1,000		104	67.8	127				
Surr: 2-Fluorobiphenyl	524		500.0		105	60.9	160				
Surr: Terphenyl-d14 (surr)	524		500.0		105	62.2	159				

Sample ID: **CCV-33775A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **9/21/2021**	RunNo: **70073**
Client ID: **CCV**	Batch ID: **33775**		Analysis Date: **9/21/2021**	SeqNo: **1420793**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	955	20.0	1,000	0	95.5	80	120				
Chrysene	994	40.0	1,000	0	99.4	80	120				
Benzo(b)fluoranthene	949	20.0	1,000	0	94.9	80	120				
Benzo(k)fluoranthene	971	20.0	1,000	0	97.1	80	120				
Benzo(a)pyrene	963	20.0	1,000	0	96.3	80	120				
Indeno(1,2,3-cd)pyrene	974	40.0	1,000	0	97.4	80	120				
Dibenz(a,h)anthracene	939	40.0	1,000	0	93.9	80	120				
Surr: 2-Fluorobiphenyl	516		500.0		103	69.5	150				
Surr: Terphenyl-d14 (surr)	412		500.0		82.3	71.6	145				

Sample ID: **MB-33775**	SampType: **MBLK**	Units: **µg/Kg**	Prep Date: **9/21/2021**	RunNo: **70073**
Client ID: **MBLKS**	Batch ID: **33775**		Analysis Date: **9/21/2021**	SeqNo: **1420794**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	ND	20.0									
Chrysene	ND	40.0									
Benzo(b)fluoranthene	ND	20.0									

Work Order: 2109317
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **MB-33775**	SampType: **MBLK**			Units: **µg/Kg**		Prep Date: **9/21/2021**		RunNo: **70073**			
Client ID: **MBLKS**	Batch ID: **33775**					Analysis Date: **9/21/2021**		SeqNo: **1420794**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	ND	20.0									
Benzo(a)pyrene	ND	20.0									
Indeno(1,2,3-cd)pyrene	ND	40.0									
Dibenz(a,h)anthracene	ND	40.0									
Surr: 2-Fluorobiphenyl	799		1,000		79.9	27.9	129				
Surr: Terphenyl-d14 (surr)	874		1,000		87.4	39.1	145				

Sample ID: **LCS-33775**	SampType: **LCS**			Units: **µg/Kg**		Prep Date: **9/21/2021**		RunNo: **70073**			
Client ID: **LCSS**	Batch ID: **33775**					Analysis Date: **9/21/2021**		SeqNo: **1420795**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,850	20.0	2,000	0	92.6	64.4	113				
Chrysene	1,880	40.0	2,000	0	93.9	57.3	113				
Benzo(b)fluoranthene	1,980	20.0	2,000	0	99.1	58.2	115				
Benzo(k)fluoranthene	2,130	20.0	2,000	0	106	53.4	121				
Benzo(a)pyrene	1,970	20.0	2,000	0	98.4	64.7	125				
Indeno(1,2,3-cd)pyrene	1,780	40.0	2,000	0	89.0	61.6	113				
Dibenz(a,h)anthracene	1,820	40.0	2,000	0	91.1	62.1	116				
Surr: 2-Fluorobiphenyl	794		1,000		79.4	27.9	129				
Surr: Terphenyl-d14 (surr)	842		1,000		84.2	39.1	145				

Sample ID: **2109317-011AMS**	SampType: **MS**			Units: **µg/Kg-dry**		Prep Date: **9/21/2021**		RunNo: **70073**			
Client ID: **A2-BOT100:2.5**	Batch ID: **33775**					Analysis Date: **9/21/2021**		SeqNo: **1420806**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,530	16.9	1,687	0	90.8	45	110				
Chrysene	1,520	33.7	1,687	0	90.2	42.4	106				
Benzo(b)fluoranthene	1,440	16.9	1,687	0	85.3	43.7	108				
Benzo(k)fluoranthene	1,490	16.9	1,687	0	88.5	39.5	113				

Work Order: 2109317
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **2109317-011AMS** SampType: **MS** Units: **µg/Kg-dry** Prep Date: **9/21/2021** RunNo: **70073**
Client ID: **A2-BOT100:2.5** Batch ID: **33775** Analysis Date: **9/21/2021** SeqNo: **1420806**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	1,480	16.9	1,687	0	87.7	44.1	122				
Indeno(1,2,3-cd)pyrene	1,240	33.7	1,687	0	73.5	40.2	109				
Dibenz(a,h)anthracene	1,290	33.7	1,687	0	76.6	31.4	126				
Surr: 2-Fluorobiphenyl	625		843.6		74.1	27.9	129				
Surr: Terphenyl-d14 (surr)	682		843.6		80.9	39.1	145				

Sample ID: **2109317-011AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **9/21/2021** RunNo: **70073**
Client ID: **A2-BOT100:2.5** Batch ID: **33775** Analysis Date: **9/21/2021** SeqNo: **1420807**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,460	17.7	1,772	0	82.6	45	110	1,533	4.58	30	
Chrysene	1,510	35.4	1,772	0	85.3	42.4	106	1,522	0.754	30	
Benzo(b)fluoranthene	1,400	17.7	1,772	0	78.9	43.7	108	1,440	2.85	30	
Benzo(k)fluoranthene	1,370	17.7	1,772	0	77.5	39.5	113	1,493	8.26	30	
Benzo(a)pyrene	1,380	17.7	1,772	0	77.7	44.1	122	1,480	7.21	30	
Indeno(1,2,3-cd)pyrene	973	35.4	1,772	0	54.9	40.2	109	1,240	24.1	30	
Dibenz(a,h)anthracene	1,040	35.4	1,772	0	59.0	31.4	126	1,293	21.2	30	
Surr: 2-Fluorobiphenyl	627		886.1		70.7	27.9	129		0		
Surr: Terphenyl-d14 (surr)	675		886.1		76.2	39.1	145		0		

Sample ID: **CCV-33775B** SampType: **CCV** Units: **µg/L** Prep Date: **9/22/2021** RunNo: **70073**
Client ID: **CCV** Batch ID: **33775** Analysis Date: **9/22/2021** SeqNo: **1420809**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	960	20.0	1,000	0	96.0	80	120				
Chrysene	995	40.0	1,000	0	99.5	80	120				
Benzo(b)fluoranthene	863	20.0	1,000	0	86.3	80	120				
Benzo(k)fluoranthene	1,050	20.0	1,000	0	105	80	120				
Benzo(a)pyrene	958	20.0	1,000	0	95.8	80	120				

Work Order: 2109317
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **CCV-33775B** SampType: **CCV** Units: **µg/L** Prep Date: **9/22/2021** RunNo: **70073**
Client ID: **CCV** Batch ID: **33775** Analysis Date: **9/22/2021** SeqNo: **1420809**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	957	40.0	1,000	0	95.7	80	120				
Dibenz(a,h)anthracene	938	40.0	1,000	0	93.8	80	120				
Surr: 2-Fluorobiphenyl	504		500.0		101	69.5	150				
Surr: Terphenyl-d14 (surr)	456		500.0		91.2	71.6	145				

Sample Log-In Check List

Client Name:	**SW**	Work Order Number:	**2109317**
Logged by:	**Gabrielle Coeuille**	Date Received:	**9/20/2021 4:56:31 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes	☑	No ☐	Not Present	☐
2.	How was the sample delivered?	Client				

Log In

3.	Coolers are present?	Yes	☑	No ☐	NA	☐
4.	Shipping container/cooler in good condition?	Yes	☑	No ☐		
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes	☐	No ☐	Not Present	☑
6.	Was an attempt made to cool the samples?	Yes	☑	No ☐	NA	☐
7.	Were all items received at a temperature of >2°C to 6°C *	Yes	☑	No ☐	NA	☐
8.	Sample(s) in proper container(s)?	Yes	☑	No ☐		
9.	Sufficient sample volume for indicated test(s)?	Yes	☑	No ☐		
10.	Are samples properly preserved?	Yes	☑	No ☐		
11.	Was preservative added to bottles?	Yes	☐	No ☑	NA	☐
12.	Is there headspace in the VOA vials?	Yes	☐	No ☐	NA	☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes	☑	No ☐		
14.	Does paperwork match bottle labels?	Yes	☑	No ☐		
15.	Are matrices correctly identified on Chain of Custody?	Yes	☑	No ☐		
16.	Is it clear what analyses were requested?	Yes	☑	No ☐		
17.	Were all holding times able to be met?	Yes	☑	No ☐		

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes	☐	No ☐	NA	☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	2.4

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9/20/21 | Page: 1 of: 2 | Laboratory Project No (internal): 2109317

Project Name: 8801 - Excavations | Special Remarks: Refer to project methods and reporting limits.

Project No: 103485-008

Client: Shannon & Wilson | Collected by: Ryan Peterson

Address: 400 N. 34th St, Suite 100 | Location: Tukwila, WA

City, State, Zip: Seattle, WA 98103 | Report To (PM): Ryan Peterson | Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Telephone:

Fax: | PM Email: RSP@shanwil.com

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	cPAHs				Comments
1	A2-SIDE1:1	9/20/21	0924	S	1											X					
2	A2-SIDE2:1		0926													X					
3	A2-SIDE3:1		0928													X					
4	A2-SIDE4:1.5		0930													X					
5	A2-SIDE5:1		0933													X					
6	A2-SIDE6:1		0935													X					
7	A2-BOT1:2.5		0940													X					
8	A2-BOT2:2.5		0942													X					
9	A2-BOT3:2.5		0944													X					
10	A2-BOT4:2.5		0947													X					

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual*: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time: ☒ Standard ☐ Next Day ☐ 3 Day ☐ Same Day ☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	RYAN PETERSON	9/20/21 1700	x	Oliver Chou	9/20/21 1654
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 9/20/21 | Page: 2 of: 2 | Laboratory Project No (internal): 2109317

Project Name: 8801- Excavations | Special Remarks:

Client: Shannon & Wilson

Project No: 103485-008

Address: 400 N. 34th St. Suite 100

Collected by: Ryan Peterson

City, State, Zip: Seattle, WA 98103

Location: Tukwila, WA

Telephone:

Report To (PM): Ryan Peterson | Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax:

PM Email: RBP@shanwil.com

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	4/H				Comments
1	A2B8T100:25	9/20/21	1000	S	5											X					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day ☐ 3 Day ☐ Same Day ☐ 2 Day _____ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	RYAN PETERSON	9/20/21 1400	x	OLIVER KHAN	9/20/21 1654
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

DATA SET for Review -- Deliverable Requirements

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Fremont Analytical Work Order No. 2109317

Shannon & Wilson

Project Name: 8801 - Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Injection Log

Data Directory: C:\GC-14\Data\2021\082321\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	082301.D	PAH-SIM.M			
co			2	1.000	23 Aug 2021 08:14 am
2)	082302.D	SEMI9.M			
TUNE			1	1.000	23 Aug 2021 08:35 am
3)	082303.D	PAH-SIM.M			
CCV-			2	1.000	23 Aug 2021 08:57 am
4)	082304.D	PAH-SIM.M			
PAH 10			12	1.000	23 Aug 2021 09:38 am
5)	082305.D	PAH-SIM.M			
PAH 20			13	1.000	23 Aug 2021 09:59 am
6)	082306.D	PAH-SIM.M			
PAH 40			14	1.000	23 Aug 2021 10:21 am
7)	082307.D	PAH-SIM.M			
PAH 100			15	1.000	23 Aug 2021 10:42 am
8)	082308.D	PAH-SIM.M			
PAH 200			16	1.000	23 Aug 2021 11:04 am
9)	082309.D	PAH-SIM.M			
PAH 500			17	1.000	23 Aug 2021 11:25 am
10)	082310.D	PAH-SIM.M			
PAH 750			18	1.000	23 Aug 2021 11:47 am
11)	082311.D	PAH-SIM.M			
PAH 1000			19	1.000	23 Aug 2021 12:09 pm
12)	082312.D	PAH-SIM.M			
PAH 2000			20	1.000	23 Aug 2021 12:30 pm
13)	082313.D	PAH-SIM.M			
PAH 5000			21	1.000	23 Aug 2021 12:52 pm
14)	082314.D	PAH-SIM.M			
PAH ICB			22	1.000	23 Aug 2021 01:14 pm
15)	082315.D	PAH-SIM.M			
PAH ICV			23	1.000	23 Aug 2021 01:35 pm
16)	082316.D	PAH-SIM.M			
CO			2	1.000	23 Aug 2021 01:57 pm
17)	082317.D	PAH-LOWLEVEL.M			
PAH LL 2			11	1.000	23 Aug 2021 02:19 pm
18)	082318.D	PAH-LOWLEVEL.M			
PAH LL 10			12	1.000	23 Aug 2021 02:40 pm
19)	082319.D	PAH-LOWLEVEL.M			
PAH LL 20			13	1.000	23 Aug 2021 03:02 pm
20)	082320.D	PAH-LOWLEVEL.M			
PAH LL 40			14	1.000	23 Aug 2021 03:23 pm
21)	082321.D	PAH-LOWLEVEL.M			
PAH LL 100			15	1.000	23 Aug 2021 03:45 pm

22) 082322.D	PAH-LOWLEVEL.M				
PAH LL 200		16	1.000	23 Aug 2021	04:07 pm
23) 082323.D	PAH-LOWLEVEL.M				
PAH LL 500		17	1.000	23 Aug 2021	04:28 pm
24) 082324.D	PAH-LOWLEVEL.M				
PAH LL 750		18	1.000	23 Aug 2021	04:50 pm
25) 082325.D	PAH-LOWLEVEL.M				
PAH LL 1000		19	1.000	23 Aug 2021	05:11 pm
26) 082326.D	PAH-LOWLEVEL.M				
PAH LL 2000		20	1.000	23 Aug 2021	05:33 pm
27) 082327.D	PAH-LOWLEVEL.M				
PAH LL 5000		21	1.000	23 Aug 2021	05:55 pm
28) 082328.D	PAH-LOWLEVEL.M				
PAH LL ICB		22	1.000	23 Aug 2021	06:16 pm
29) 082329.D	PAH-LOWLEVEL.M				
PAH LL ICV		23	1.000	23 Aug 2021	06:38 pm

Injection Log

Data Directory: C:\GC-14\Data\2021\092121\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 092101.D CO	8270E_SIM_625.M	2	1.000	21 Sep 2021 08:40 am
2) 092103.D TUNE	8270E_SCAN_625.M	1	1.000	21 Sep 2021 10:18 am
3) 092104.D CCV-	8270E_SIM_625.M	2	1.000	21 Sep 2021 10:41 am
4) 092105.D MB-33757	8270E_SIM_625.M	11	1.000	21 Sep 2021 01:25 pm
5) 092106.D LCS-33757	8270E_SIM_625.M	12	1.000	21 Sep 2021 01:47 pm
6) 092107.D LCSD-33757	8270E_SIM_625.M	13	1.000	21 Sep 2021 02:08 pm
7) 092108.D 2109299-001A	8270E_SIM_625.M	14	1.000	21 Sep 2021 02:30 pm
8) 092109.D 2109299-002A	8270E_SIM_625.M	15	1.000	21 Sep 2021 02:52 pm
9) 092110.D QCS-33757	8270E_SIM_625.M	2	1.000	21 Sep 2021 03:14 pm
10) 092111.D CCV-	8270E_SIM_625.M	2	1.000	21 Sep 2021 04:10 pm
11) 092112.D LCS-33757	8270E_SIM_625.M	12	1.000	21 Sep 2021 04:32 pm
12) 092113.D QCS-33757	8270E_SIM_625.M	2	1.000	21 Sep 2021 04:54 pm
13) 092114.D CCV-33775	8270E_SIM_625.M	2	1.000	21 Sep 2021 06:31 pm
14) 092115.D MB-33775	8270E_SIM_625.M	21	1.000	21 Sep 2021 06:52 pm
15) 092116.D LCS-33775	8270E_SIM_625.M	22	1.000	21 Sep 2021 07:14 pm
16) 092117.D 2109317-001A	8270E_SIM_625.M	23	1.000	21 Sep 2021 07:35 pm
17) 092118.D 9/22/21 ~~2109317-002A~~ 2109317-002A 10x	8270E_SIM_625.M	24	1.000	21 Sep 2021 07:57 pm
18) 092119.D 2109317-003A	8270E_SIM_625.M	25	1.000	21 Sep 2021 08:18 pm
19) 092120.D 9/22/21 ~~2109317-004A~~ 2109317-004A 10x	8270E_SIM_625.M	26	1.000	21 Sep 2021 08:40 pm
20) 092121.D 2109317-005A	8270E_SIM_625.M	27	1.000	21 Sep 2021 09:01 pm
21) 092122.D	8270E_SIM_625.M			

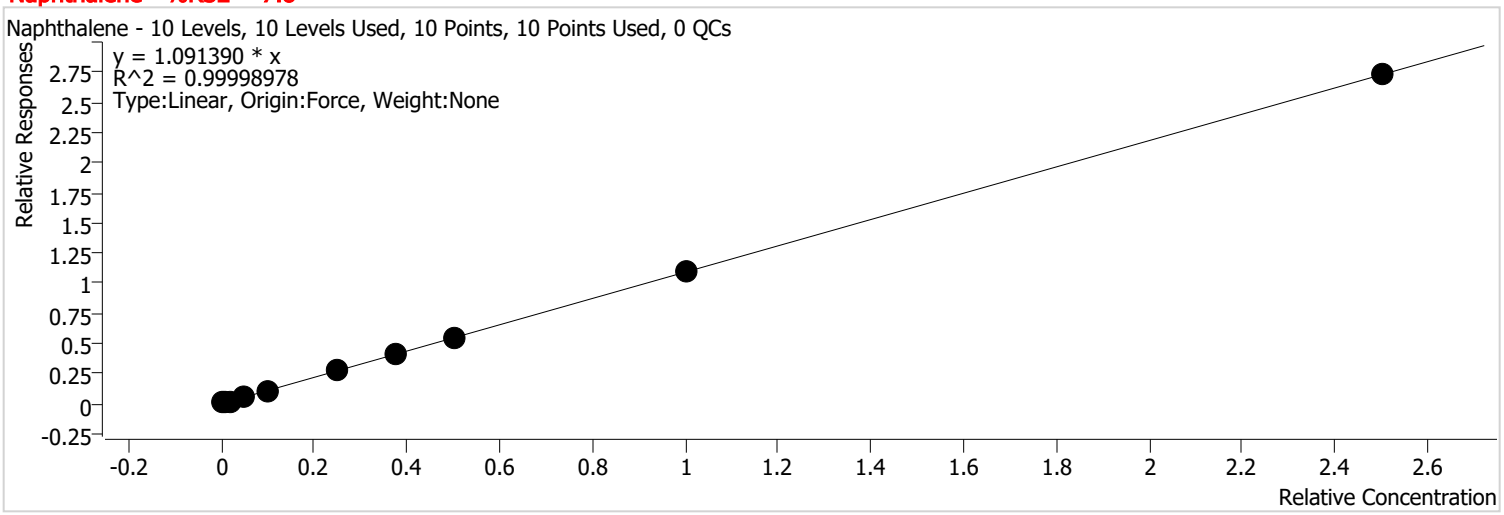
2109317-006A		28	1.000	21 Sep 2021	09:23 pm
22) 092123.D	8270E_SIM_625.M				
2109317-007A		29	1.000	21 Sep 2021	09:44 pm
23) 092124.D	8270E_SIM_625.M				
2109317-008A		30	1.000	21 Sep 2021	10:05 pm
24) 092125.D	8270E_SIM_625.M				
2109317-009A		31	1.000	21 Sep 2021	10:27 pm
25) 092126.D	8270E_SIM_625.M				
2109317-010A		32	1.000	21 Sep 2021	10:48 pm
26) 092127.D	8270E_SIM_625.M				
2109317-011A		33	1.000	21 Sep 2021	11:10 pm
27) 092128.D	8270E_SIM_625.M				
2109317-011AMS		34	1.000	21 Sep 2021	11:31 pm
28) 092129.D	8270E_SIM_625.M				
2109317-011AMSD		35	1.000	21 Sep 2021	11:52 pm
29) 092130.D	8270E_SIM_625.M				
QCS-33775		2	1.000	22 Sep 2021	12:14 am
30) 092201.D	8270E_SIM_625.M				
CO		2	1.000	22 Sep 2021	09:14 am
31) 092202.D	8270E_SCAN_625.M				
TUNE		1	1.000	22 Sep 2021	09:35 am
32) 092203.D	8270E_SIM_625.M				
CCV		2	1.000	22 Sep 2021	09:58 am
33) 092204.D	8270E_SIM_625.M				
2109317-010A		32	1.000	22 Sep 2021	10:19 am
34) 092205.D	8270E_SIM_625.M				
QCS		2	1.000	22 Sep 2021	10:46 am

Calibration

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:53 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Naphthalene %RSE = 7.8

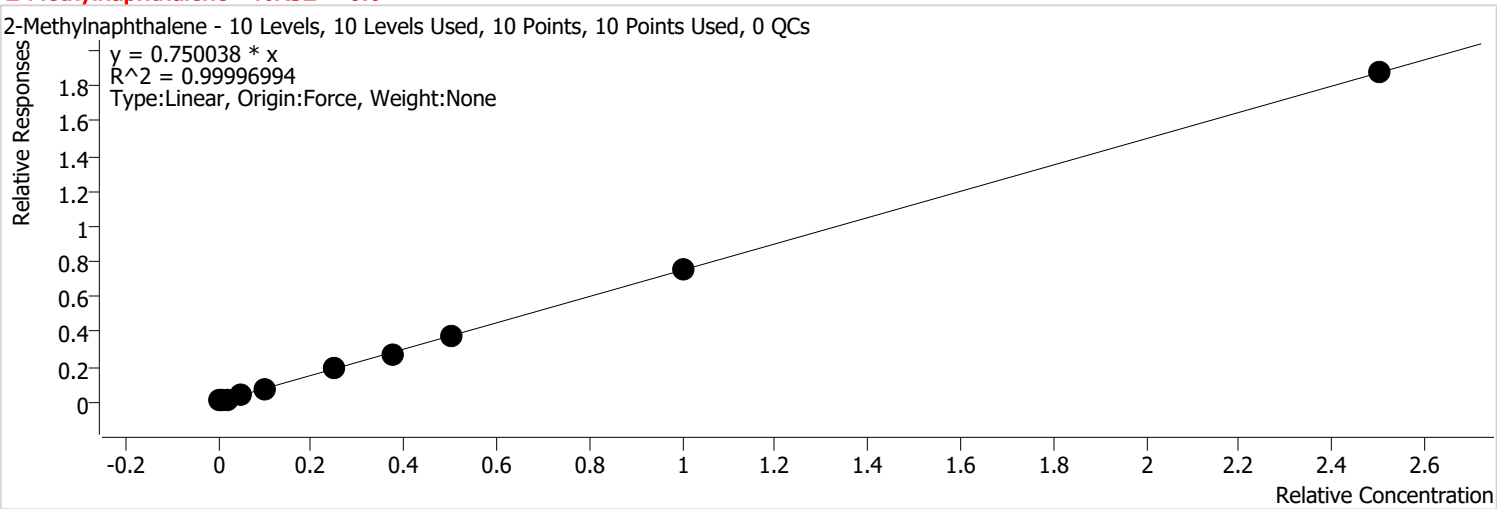


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	444	10.0000	1.2464	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	887	20.0000	1.2229	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1651	40.0000	1.2104	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3872	100.0000	1.1251	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	7971	200.0000	1.1282	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	20406	500.0000	1.1157	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	29917	750.0000	1.0885	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	40650	1000.0000	1.0924	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	83113	2000.0000	1.0897	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	205815	5000.0000	1.0914	

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Methylnaphthalene %RSE = 6.0

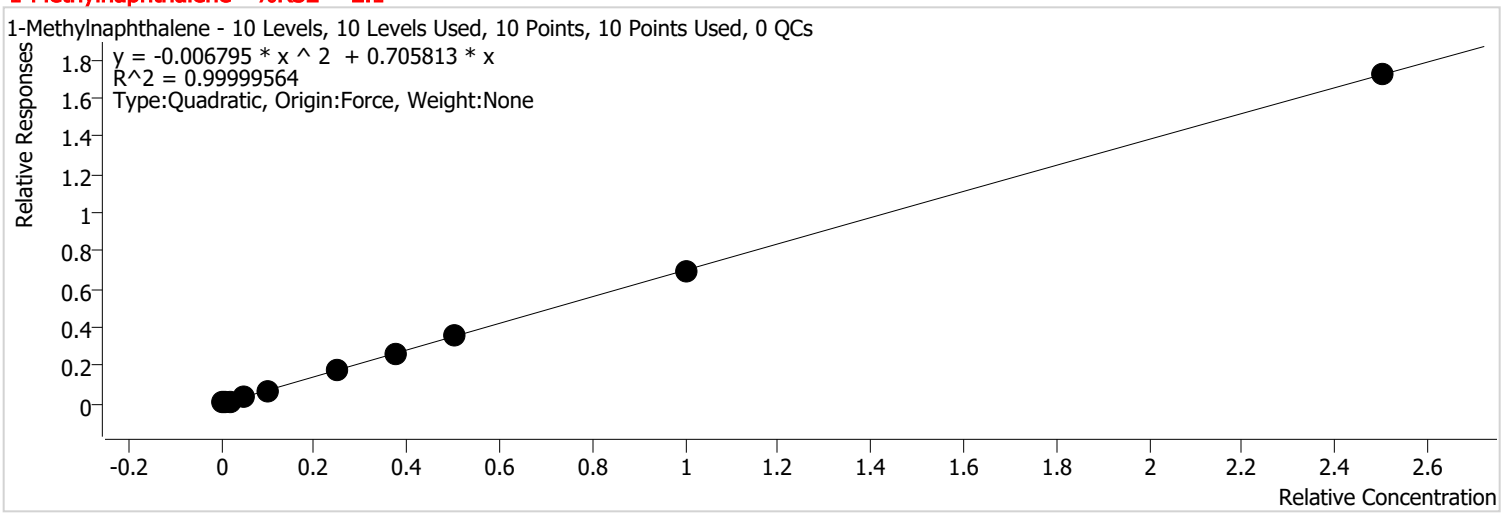


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	250	10.0000	0.7025	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	469	20.0000	0.6468	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1037	40.0000	0.7602	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2425	100.0000	0.7047	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5101	200.0000	0.7219	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	13625	500.0000	0.7450	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	20001	750.0000	0.7277	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	28064	1000.0000	0.7542	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	57289	2000.0000	0.7511	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	141499	5000.0000	0.7503	

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

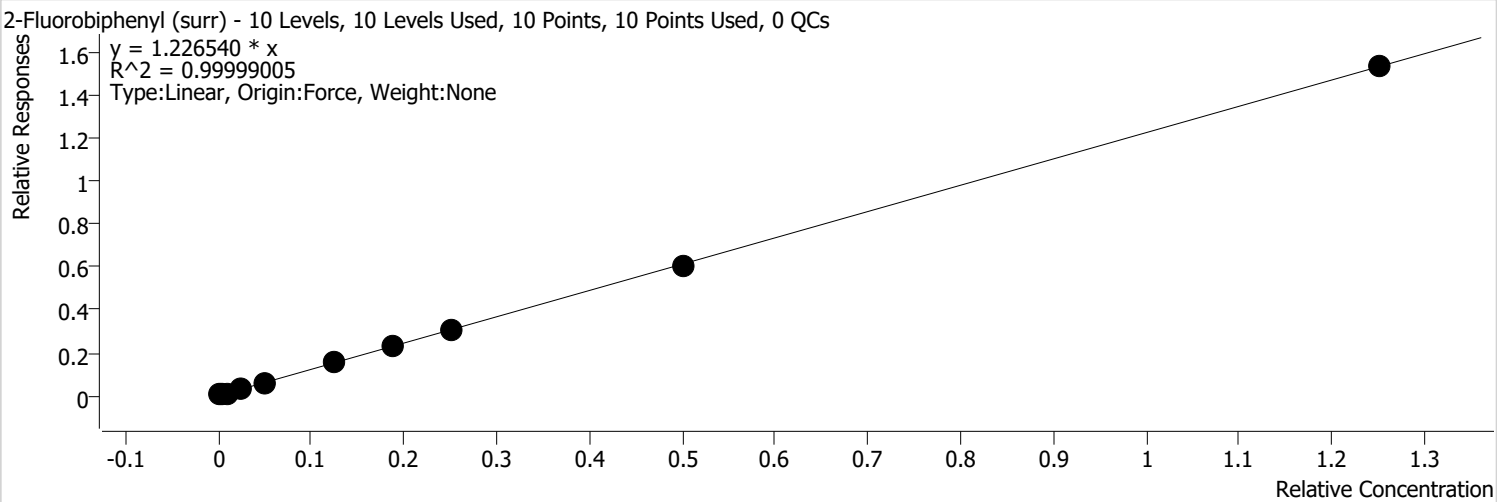
1-Methylnaphthalene %RSE = 2.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	261	10.0000	0.7316	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	503	20.0000	0.6931	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	993	40.0000	0.7279	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2442	100.0000	0.7097	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5072	200.0000	0.7179	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	13003	500.0000	0.7109	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	19431	750.0000	0.7070	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	26181	1000.0000	0.7036	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	53165	2000.0000	0.6970	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	129920	5000.0000	0.6889	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Fluorobiphenyl (surr) %RSE =

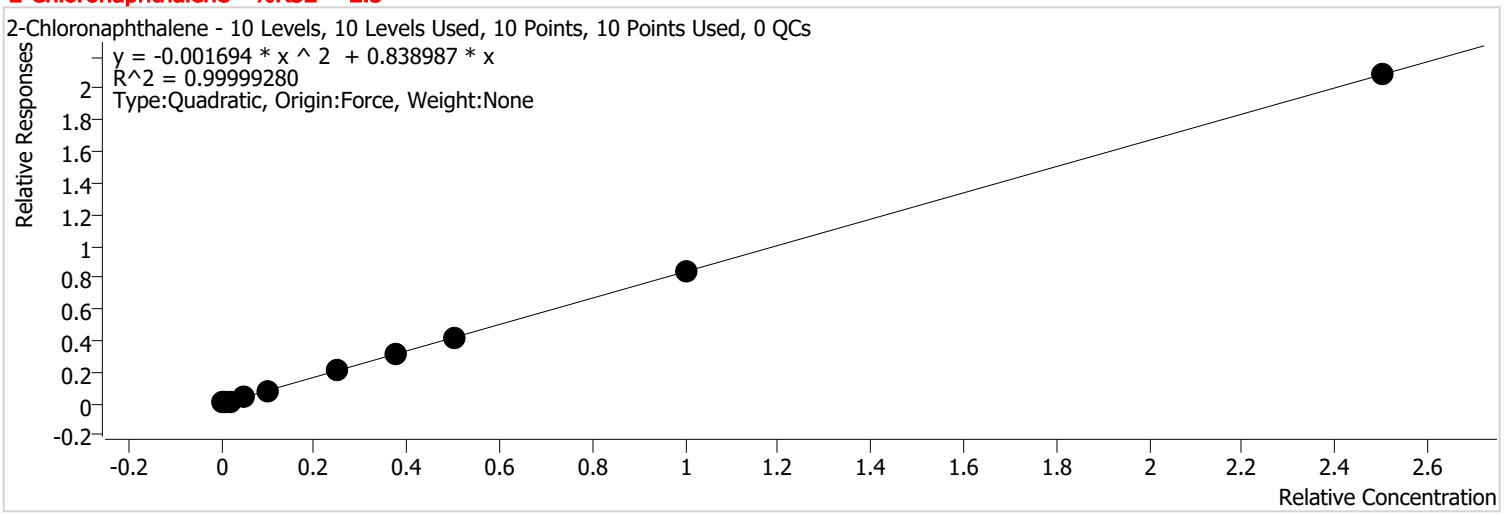


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	231	5.0000	1.2959	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	459	10.0000	1.2652	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	878	20.0000	1.2880	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2123	50.0000	1.2340	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	4467	100.0000	1.2646	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	11437	250.0000	1.2507	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	16924	375.0000	1.2316	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	22912	500.0000	1.2315	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	46614	1000.0000	1.2223	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	115659	2500.0000	1.2266	

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

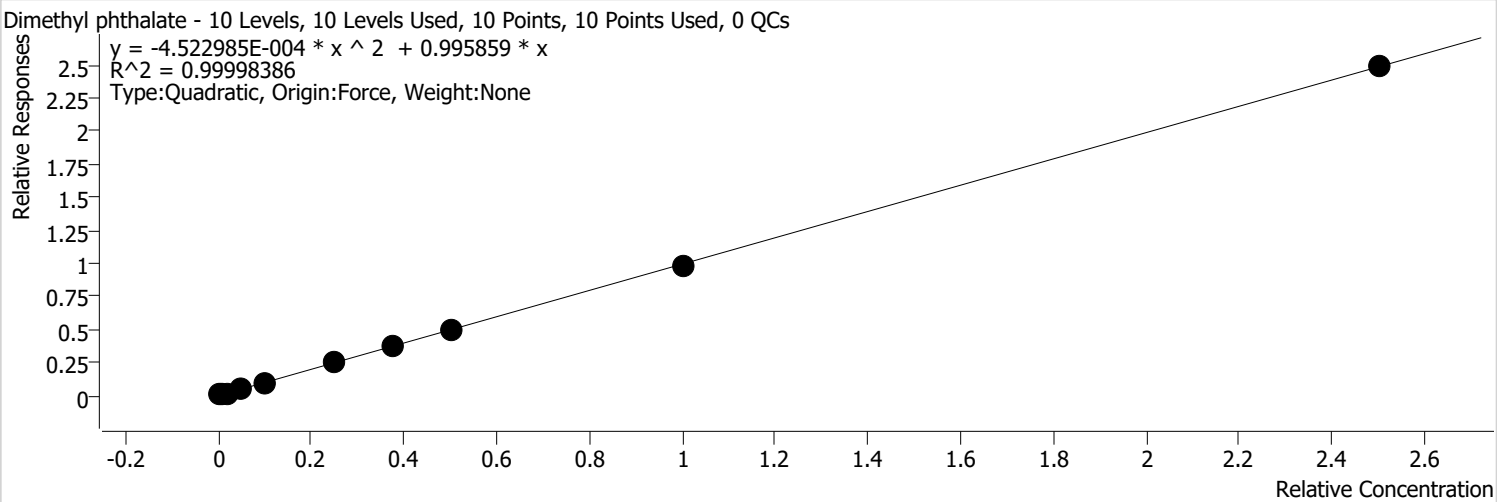
2-Chloronaphthalene %RSE = 2.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	312	10.0000	0.8747	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	598	20.0000	0.8252	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1141	40.0000	0.8365	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2799	100.0000	0.8132	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	6045	200.0000	0.8555	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	15491	500.0000	0.8469	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	22743	750.0000	0.8275	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	31282	1000.0000	0.8407	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	63893	2000.0000	0.8377	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	157418	5000.0000	0.8347	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

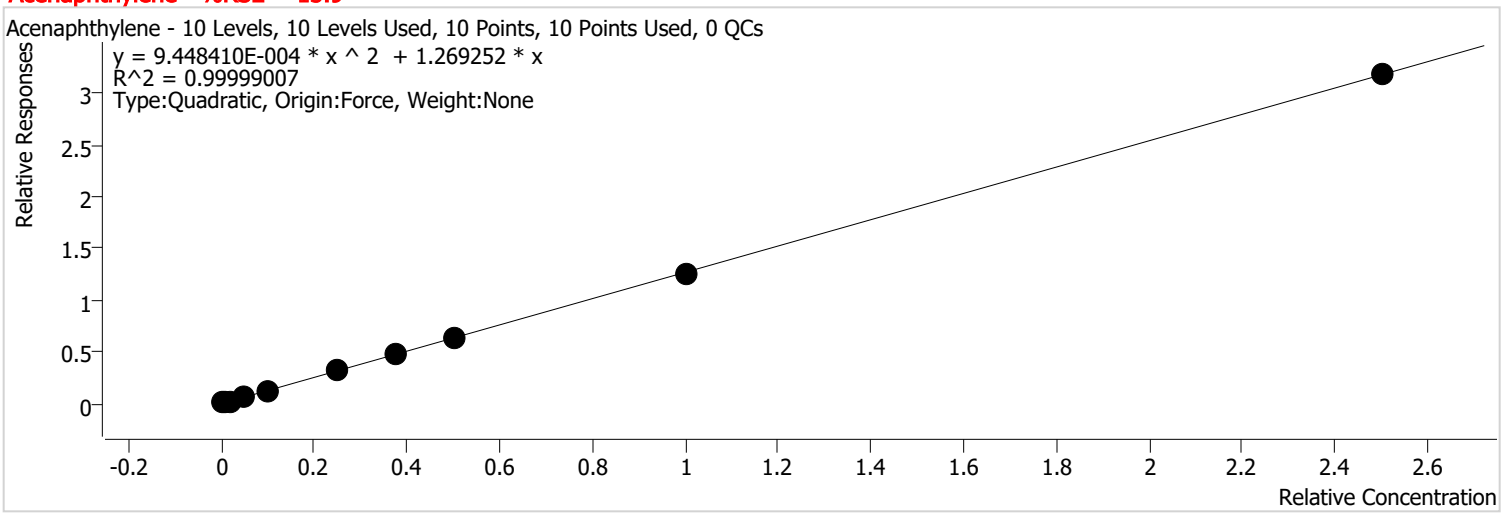
Dimethyl phthalate %RSE = 29.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	617	10.0000	1.7331	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	853	20.0000	1.1756	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1502	40.0000	1.1011	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3475	100.0000	1.0099	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	7239	200.0000	1.0246	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	18444	500.0000	1.0084	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	27735	750.0000	1.0092	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	37045	1000.0000	0.9956	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	75582	2000.0000	0.9909	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	187633	5000.0000	0.9950	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

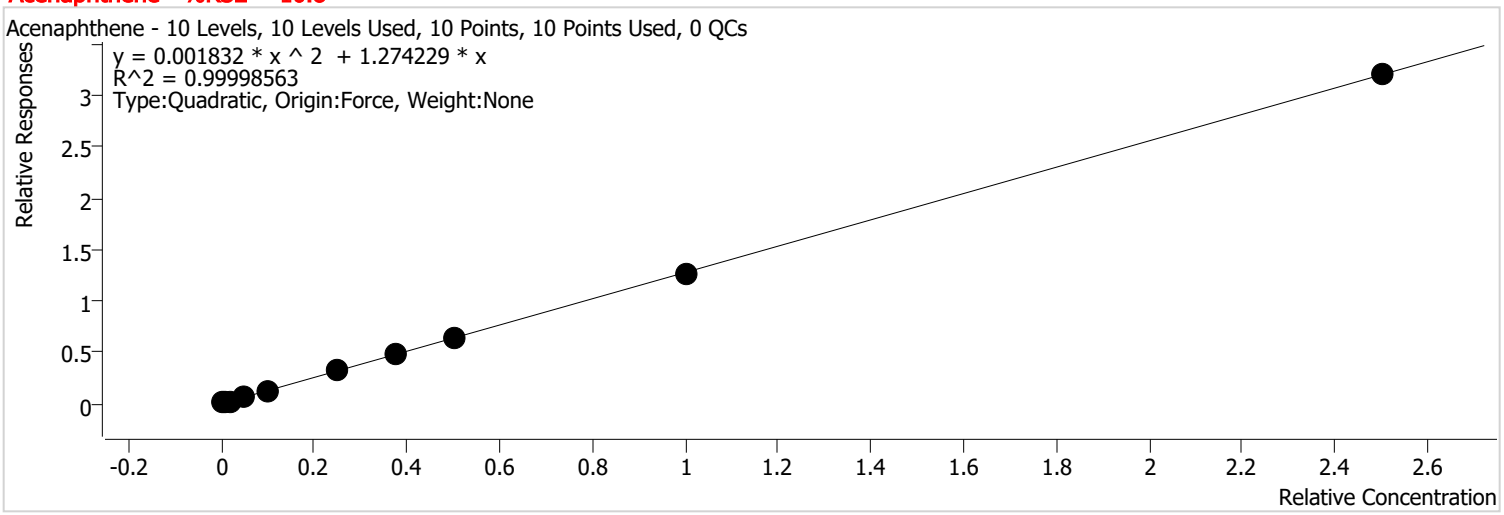
Acenaphthylene %RSE = 13.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	608	10.0000	1.7079	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1016	20.0000	1.4012	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1825	40.0000	1.3381	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4381	100.0000	1.2729	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	9258	200.0000	1.3103	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	23709	500.0000	1.2963	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	34978	750.0000	1.2727	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	47244	1000.0000	1.2697	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	96590	2000.0000	1.2663	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	239846	5000.0000	1.2718	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

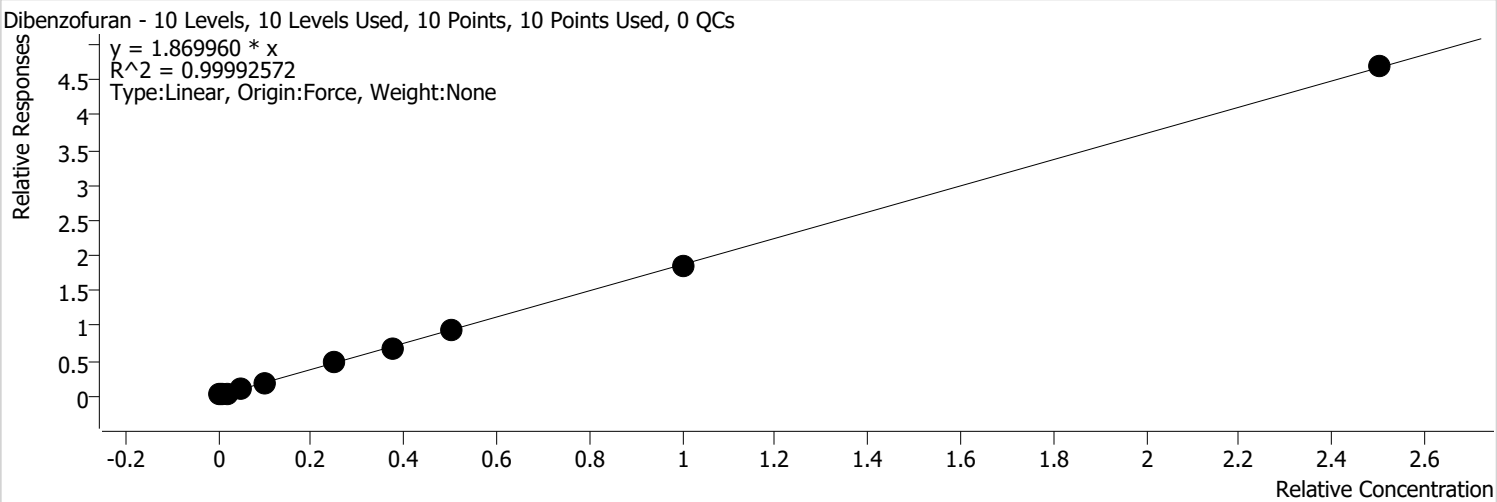
Acenaphthene %RSE = 10.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	366	10.0000	1.5902	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	639	20.0000	1.3598	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1253	40.0000	1.4221	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2911	100.0000	1.2930	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	6021	200.0000	1.3314	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	15393	500.0000	1.3054	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	22727	750.0000	1.2797	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	30437	1000.0000	1.2730	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	62549	2000.0000	1.2718	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	153217	5000.0000	1.2790	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

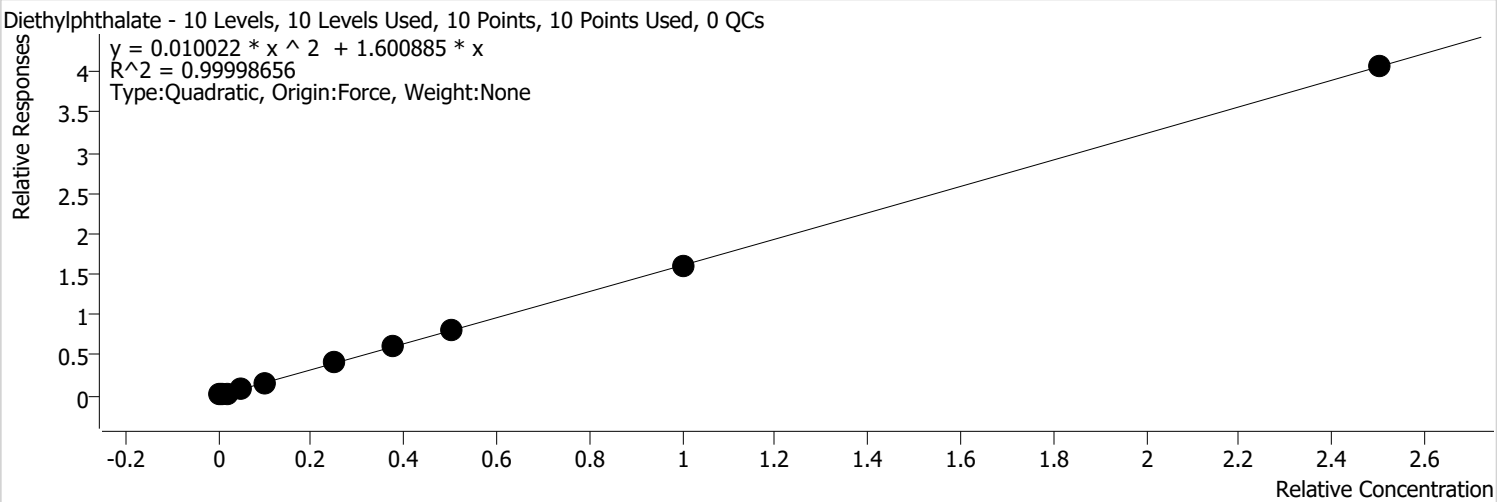
Dibenzofuran %RSE = 5.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	492	10.0000	2.1358	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	865	20.0000	1.8391	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1728	40.0000	1.9611	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4177	100.0000	1.8556	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	8631	200.0000	1.9086	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	22076	500.0000	1.8721	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	32142	750.0000	1.8098	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	44464	1000.0000	1.8597	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	90717	2000.0000	1.8446	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	224690	5000.0000	1.8757	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

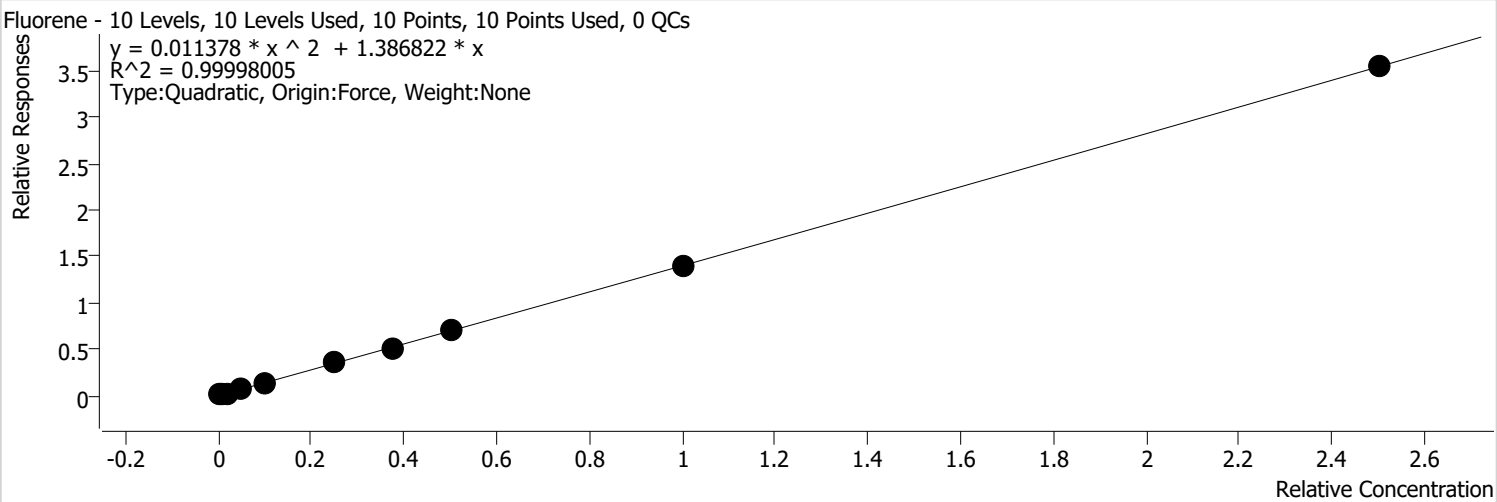
Diethylphthalate %RSE = 29.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	640	10.0000	2.7799	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	892	20.0000	1.8965	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1574	40.0000	1.7863	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3676	100.0000	1.6329	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	7501	200.0000	1.6586	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	19049	500.0000	1.6154	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	28468	750.0000	1.6029	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	38721	1000.0000	1.6195	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	78902	2000.0000	1.6043	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	194807	5000.0000	1.6262	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

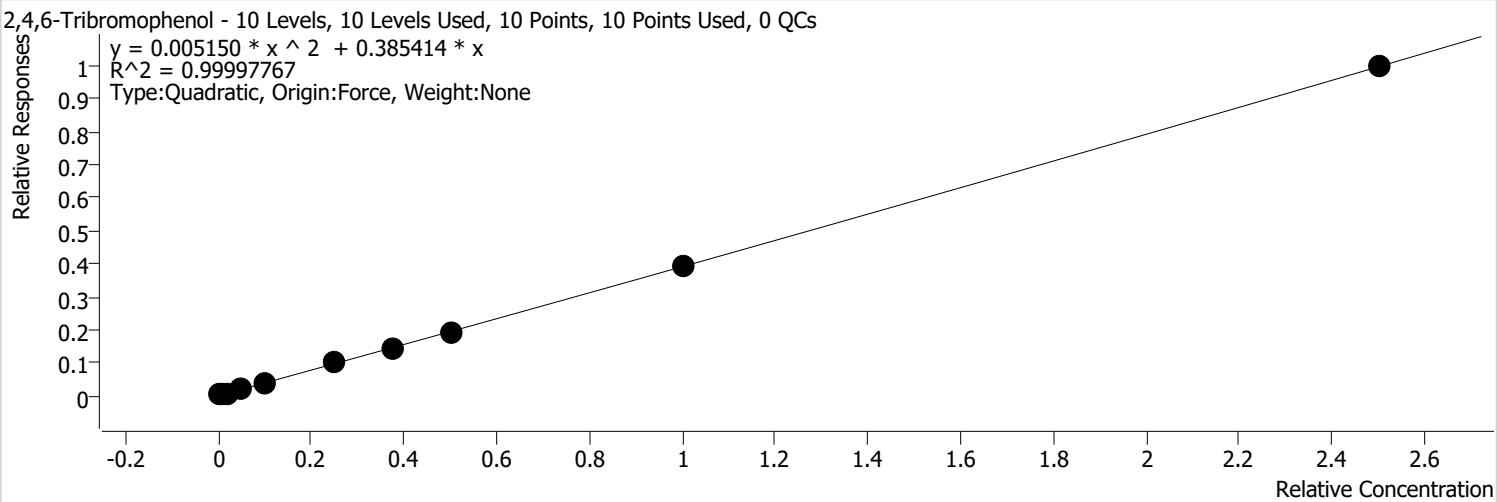
Fluorene %RSE = 7.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	371	10.0000	1.6105	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	679	20.0000	1.4436	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1307	40.0000	1.4836	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3155	100.0000	1.4014	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	6574	200.0000	1.4536	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	16642	500.0000	1.4113	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	24390	750.0000	1.3733	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	33683	1000.0000	1.4088	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	68514	2000.0000	1.3931	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	169562	5000.0000	1.4155	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2,4,6-Tribromophenol %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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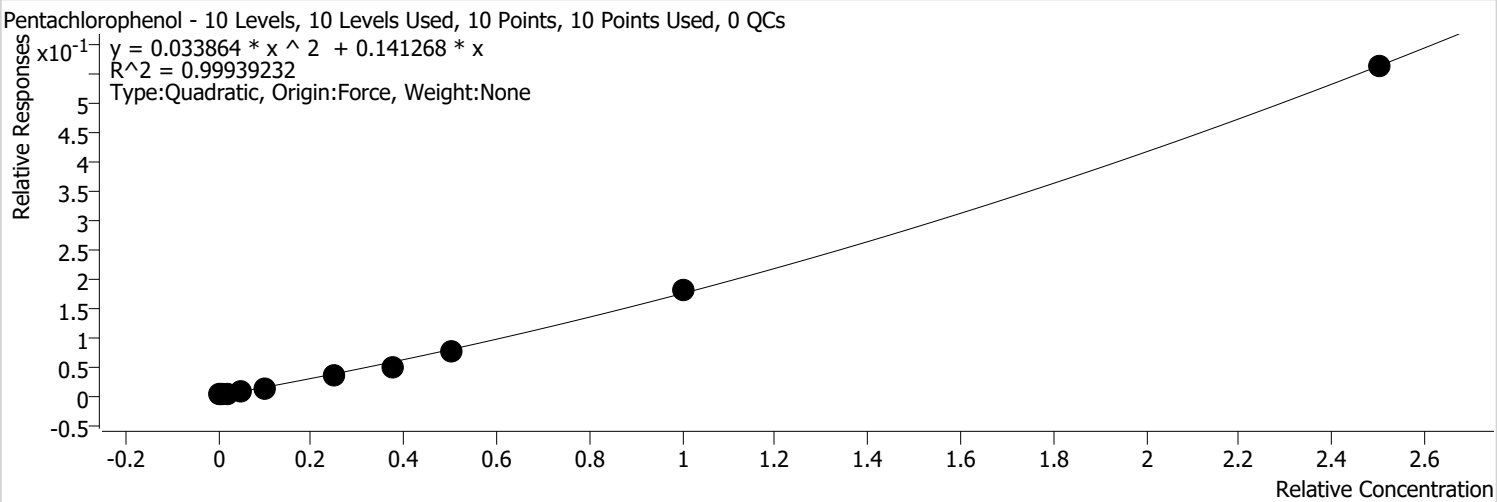
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	198	20.0000	0.4211	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	362	40.0000	0.4106	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	851	100.0000	0.3778	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	1784	200.0000	0.3945	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	4654	500.0000	0.3947	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	6708	750.0000	0.3777	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	9300	1000.0000	0.3890	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	19244	2000.0000	0.3913	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	47707	5000.0000	0.3983	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

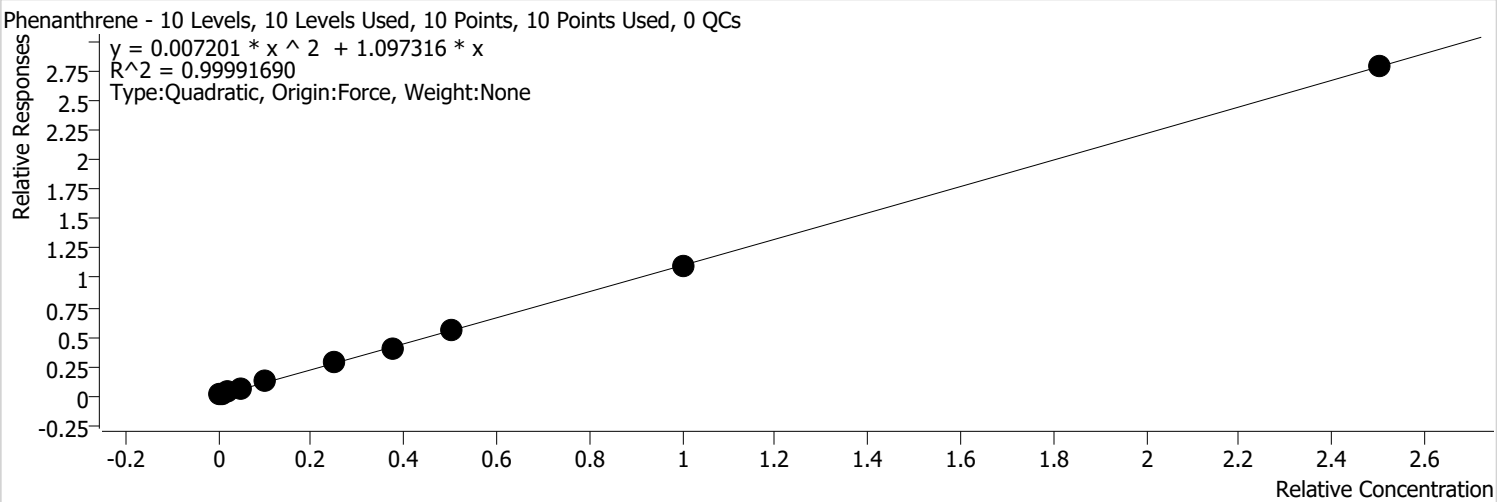
Pentachlorophenol %RSE = 22.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	42	10.0000	0.1826	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	95	20.0000	0.2025	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	141	40.0000	0.1602	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	281	100.0000	0.1247	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	577	200.0000	0.1276	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	1625	500.0000	0.1378	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	2353	750.0000	0.1325	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	3588	1000.0000	0.1501	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	9028	2000.0000	0.1836	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	27017	5000.0000	0.2255	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

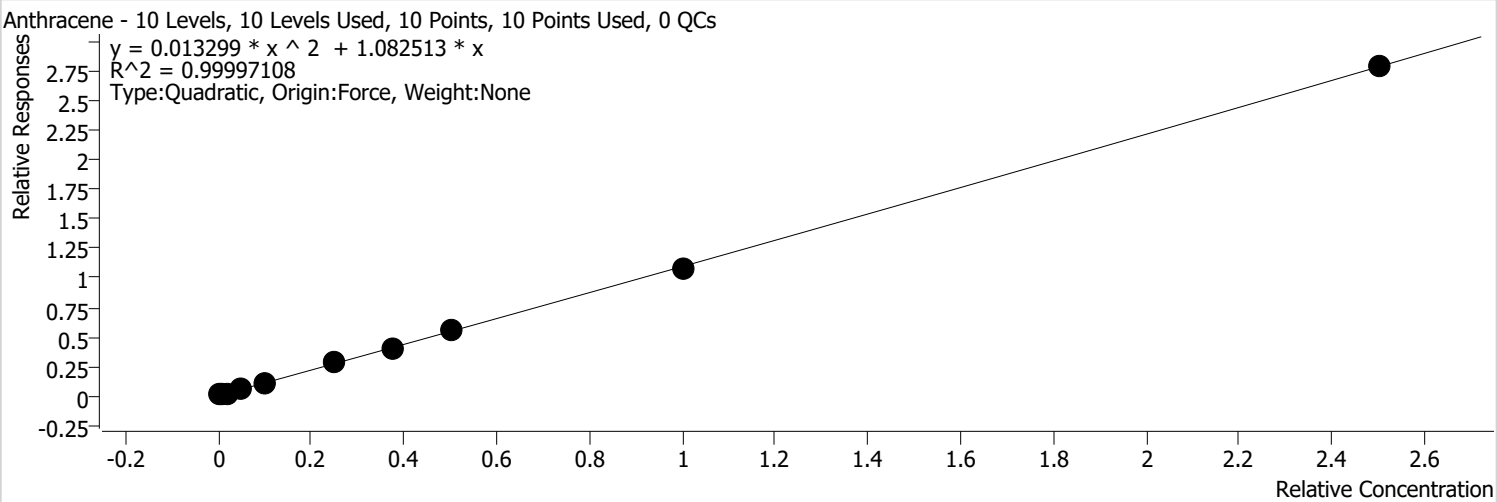
Phenanthrene %RSE = 71.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1361	10.0000	3.0404	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1525	20.0000	1.6683	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2559	40.0000	1.4926	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	5343	100.0000	1.2268	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	10482	200.0000	1.1712	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	26227	500.0000	1.1511	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	37632	750.0000	1.0930	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	52105	1000.0000	1.1097	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	106825	2000.0000	1.0960	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	263021	5000.0000	1.1158	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

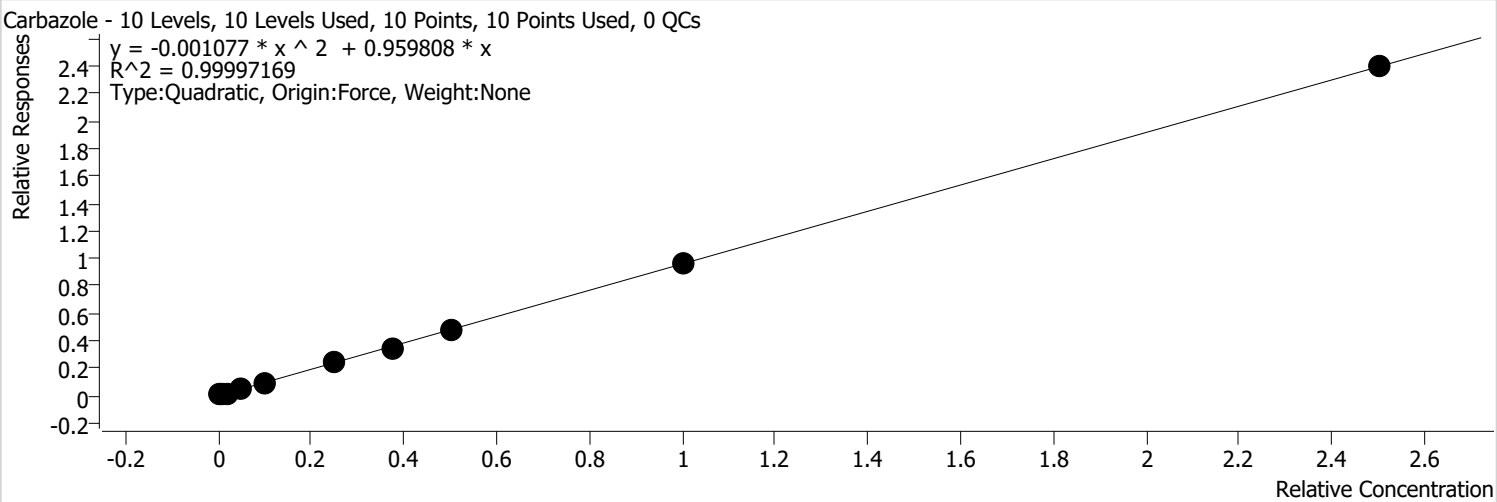
Anthracene %RSE = 15.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	641	10.0000	1.4308	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1183	20.0000	1.2943	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2154	40.0000	1.2566	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4899	100.0000	1.1248	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	10086	200.0000	1.1270	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	25576	500.0000	1.1226	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	37300	750.0000	1.0833	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	51560	1000.0000	1.0981	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	106164	2000.0000	1.0892	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	263098	5000.0000	1.1161	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

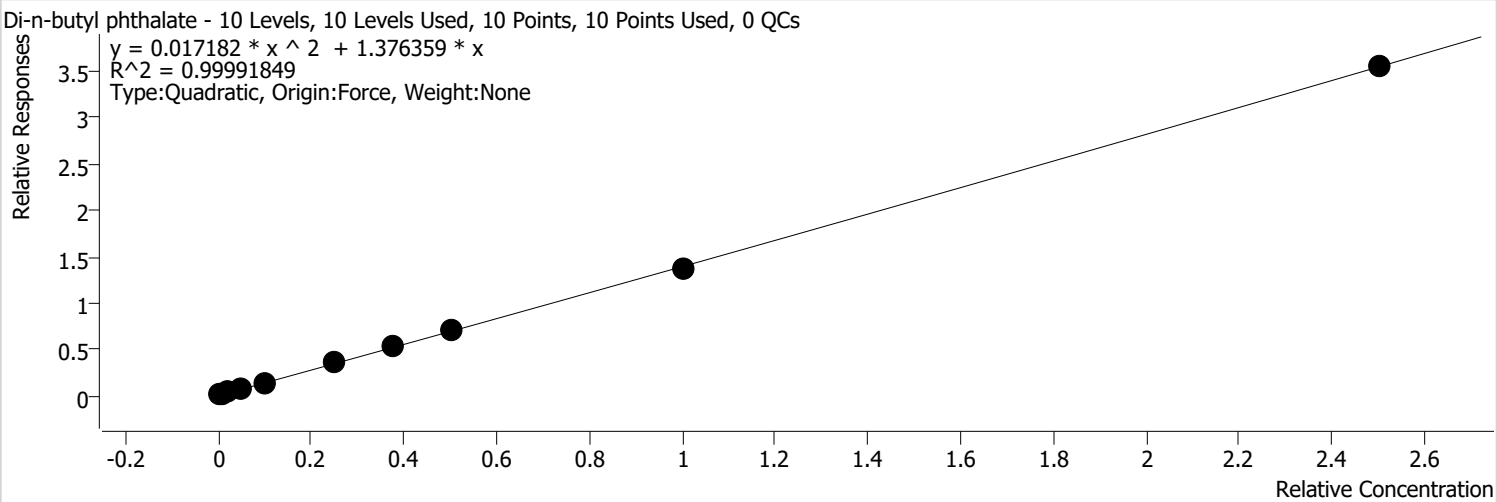
Carbazole %RSE = 3.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	468	10.0000	1.0444	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	897	20.0000	0.9813	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1695	40.0000	0.9888	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4155	100.0000	0.9541	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	8561	200.0000	0.9566	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	22563	500.0000	0.9903	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	32227	750.0000	0.9360	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	45178	1000.0000	0.9622	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	93531	2000.0000	0.9596	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	225616	5000.0000	0.9571	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

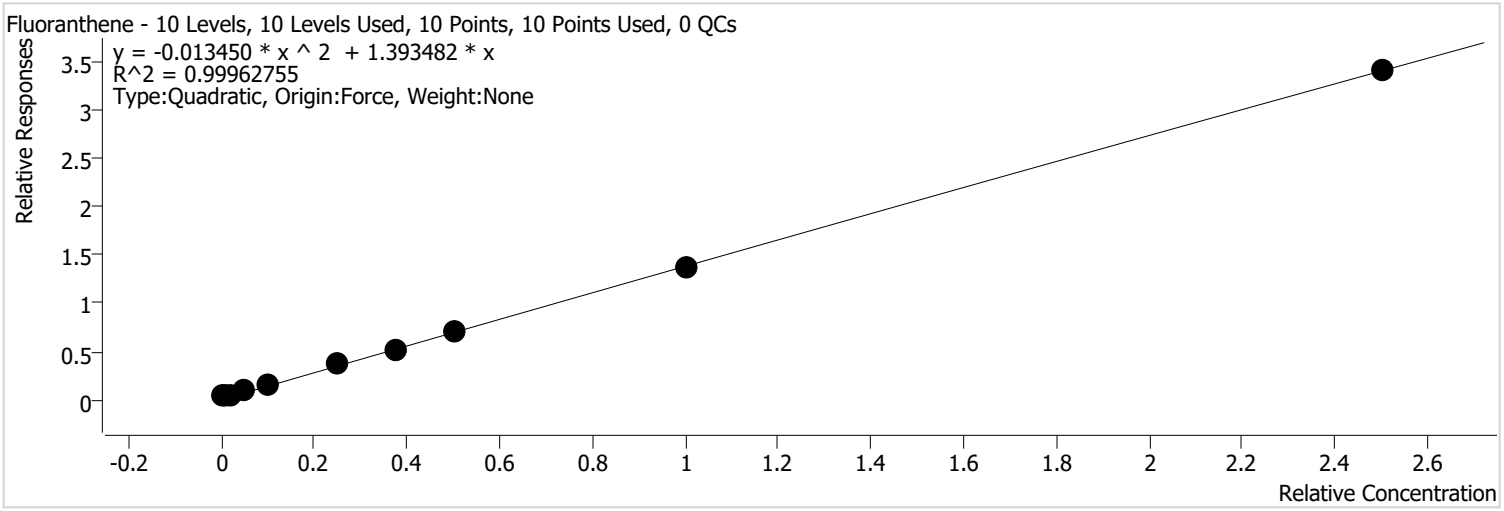
Di-n-butyl phthalate %RSE = 56.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1495	10.0000	3.3393	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1721	20.0000	1.8833	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2978	40.0000	1.7369	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6452	100.0000	1.4813	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	12960	200.0000	1.4481	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	32345	500.0000	1.4197	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48851	750.0000	1.4188	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65674	1000.0000	1.3987	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	134136	2000.0000	1.3762	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	334776	5000.0000	1.4201	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

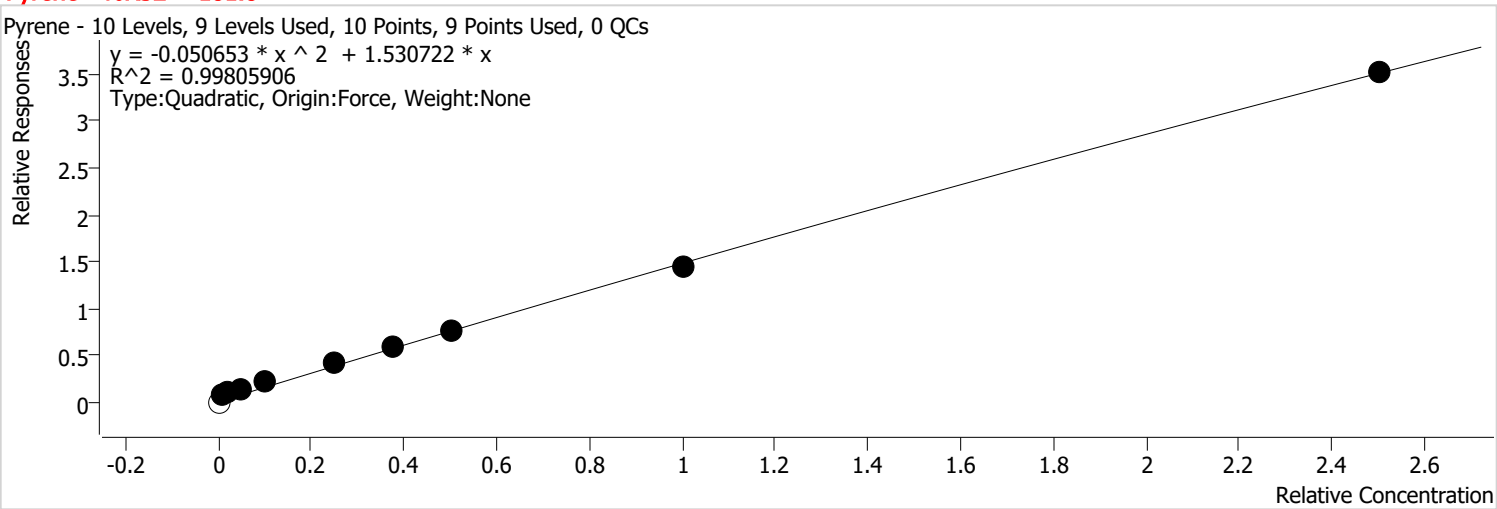
Fluoranthene %RSE = 204.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	3847	10.0000	8.5946	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	2980	20.0000	3.2601	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	4354	40.0000	2.5394	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	7782	100.0000	1.7866	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	14163	200.0000	1.5825	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33370	500.0000	1.4647	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48283	750.0000	1.4023	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65510	1000.0000	1.3952	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	132699	2000.0000	1.3615	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	320795	5000.0000	1.3608	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

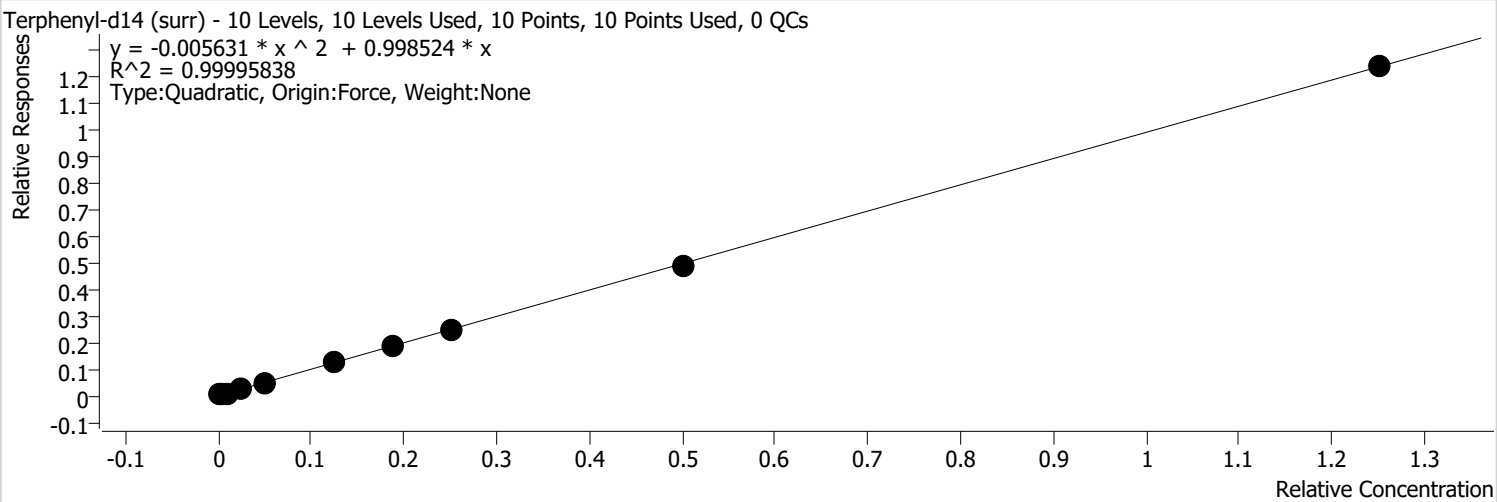
Pyrene %RSE = 181.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1		0	10.0000	0.0000	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	6656	20.0000	7.2815	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	8399	40.0000	4.8990	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	11960	100.0000	2.7460	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	18622	200.0000	2.0808	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	38669	500.0000	1.6973	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	53527	750.0000	1.5546	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	71063	1000.0000	1.5134	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	139869	2000.0000	1.4350	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	331567	5000.0000	1.4065	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

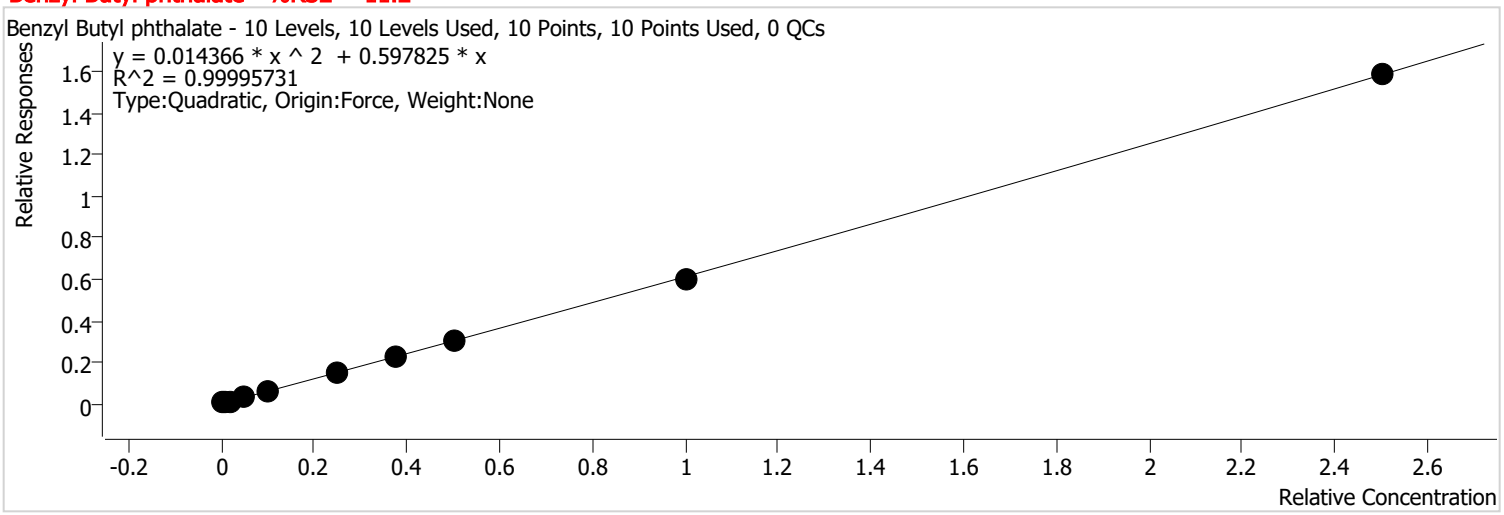
Terphenyl-d14 (surr) %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	252	5.0000	1.1266	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	495	10.0000	1.0842	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	935	20.0000	1.0906	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2250	50.0000	1.0333	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	4642	100.0000	1.0374	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	11776	250.0000	1.0338	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	17240	375.0000	1.0014	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	23684	500.0000	1.0088	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	48091	1000.0000	0.9868	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	116913	2500.0000	0.9919	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

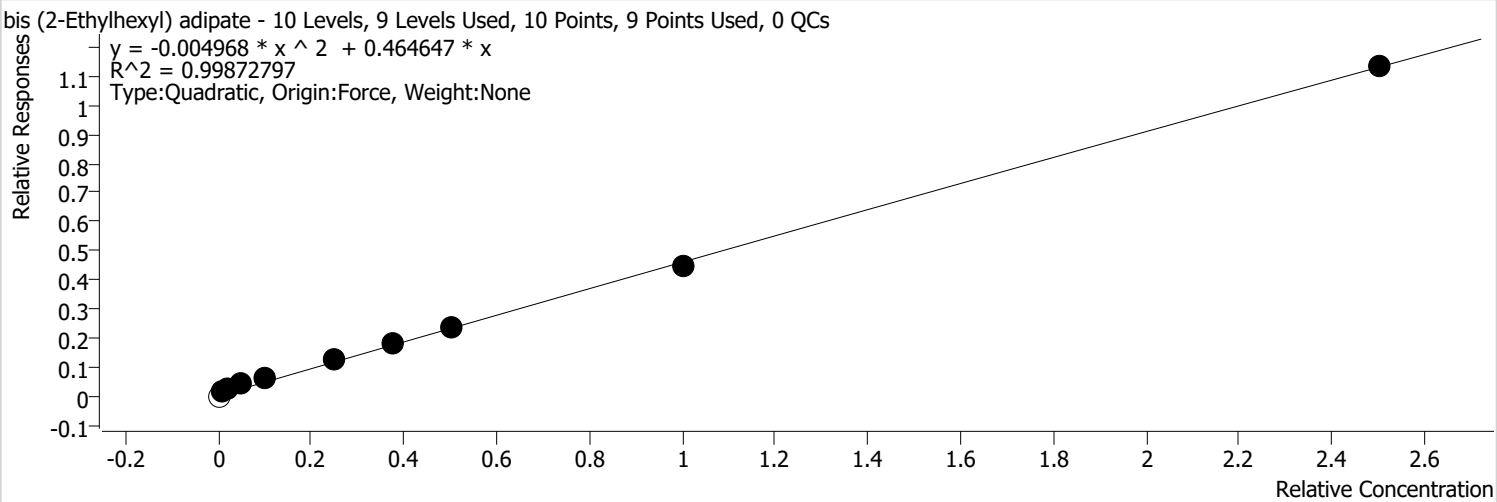
Benzyl Butyl phthalate %RSE = 11.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	342	10.0000	0.7639	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	581	20.0000	0.6352	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1101	40.0000	0.6423	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2644	100.0000	0.6071	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5419	200.0000	0.6056	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	13999	500.0000	0.6145	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	21141	750.0000	0.6140	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	28827	1000.0000	0.6139	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	59034	2000.0000	0.6057	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	149463	5000.0000	0.6340	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

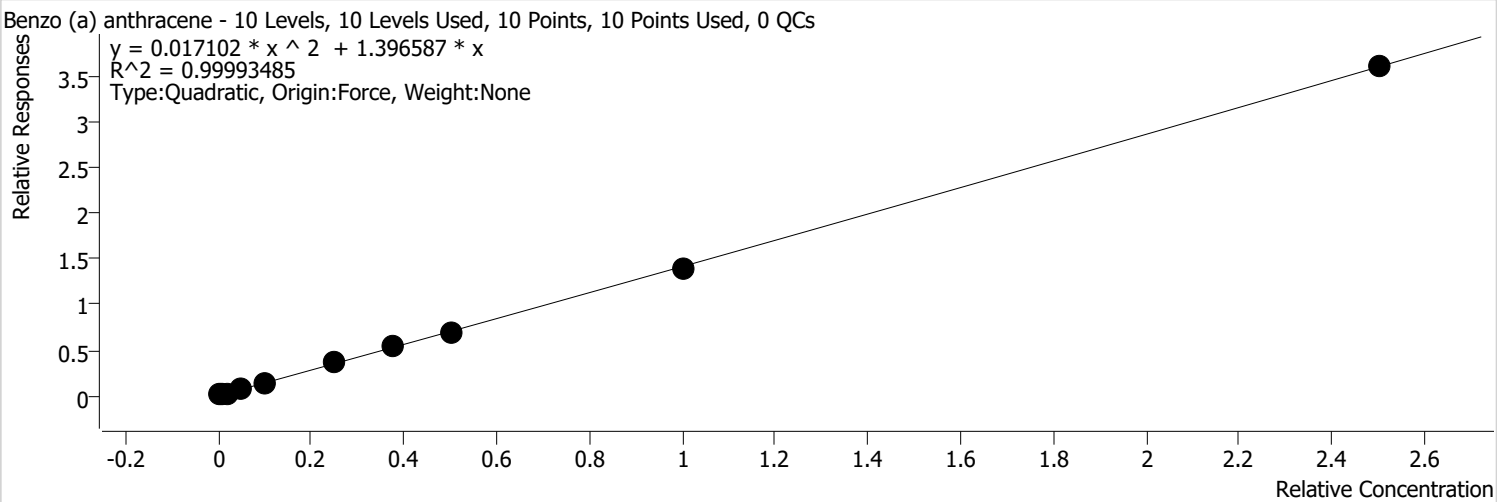
bis (2-Ethylhexyl) adipate %RSE = 148.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1		0	10.0000	0.0000	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1717	20.0000	1.8786	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2268	40.0000	1.3227	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3369	100.0000	0.7735	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5387	200.0000	0.6019	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	11500	500.0000	0.5048	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	16714	750.0000	0.4854	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	21863	1000.0000	0.4656	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	43459	2000.0000	0.4459	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	106776	5000.0000	0.4530	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

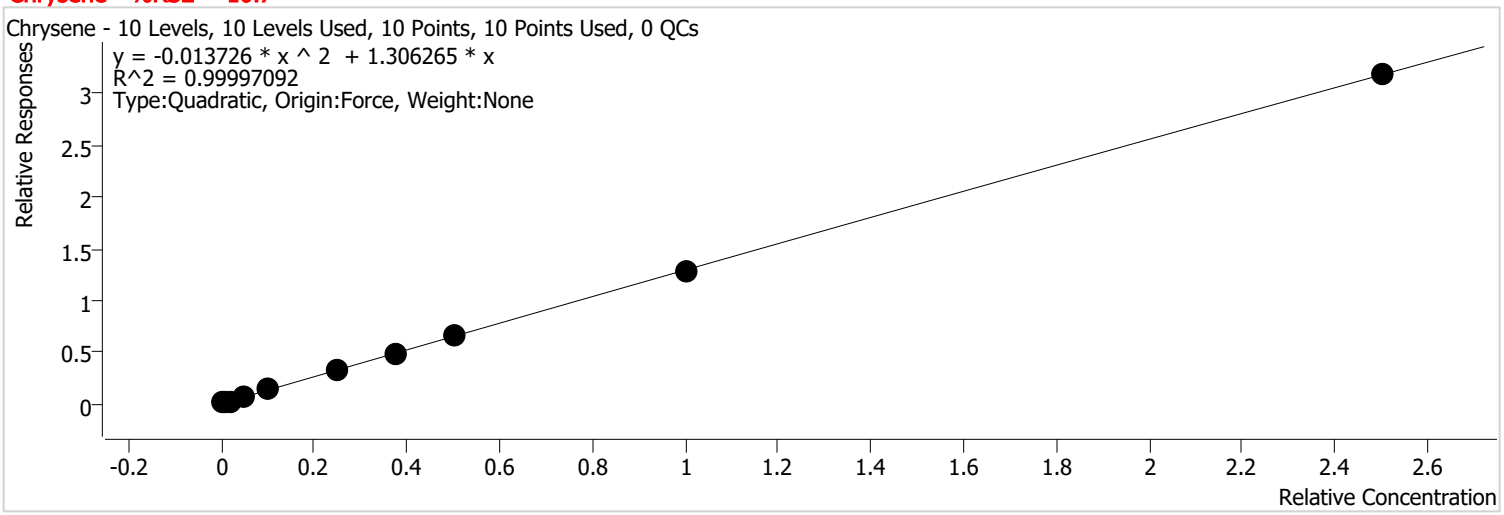
Benzo (a) anthracene %RSE = 29.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1066	10.0000	2.3813	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1642	20.0000	1.7964	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2823	40.0000	1.6466	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6687	100.0000	1.5353	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13101	200.0000	1.4639	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33575	500.0000	1.4737	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48971	750.0000	1.4223	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	66100	1000.0000	1.4077	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	136483	2000.0000	1.4003	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	339464	5000.0000	1.4400	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

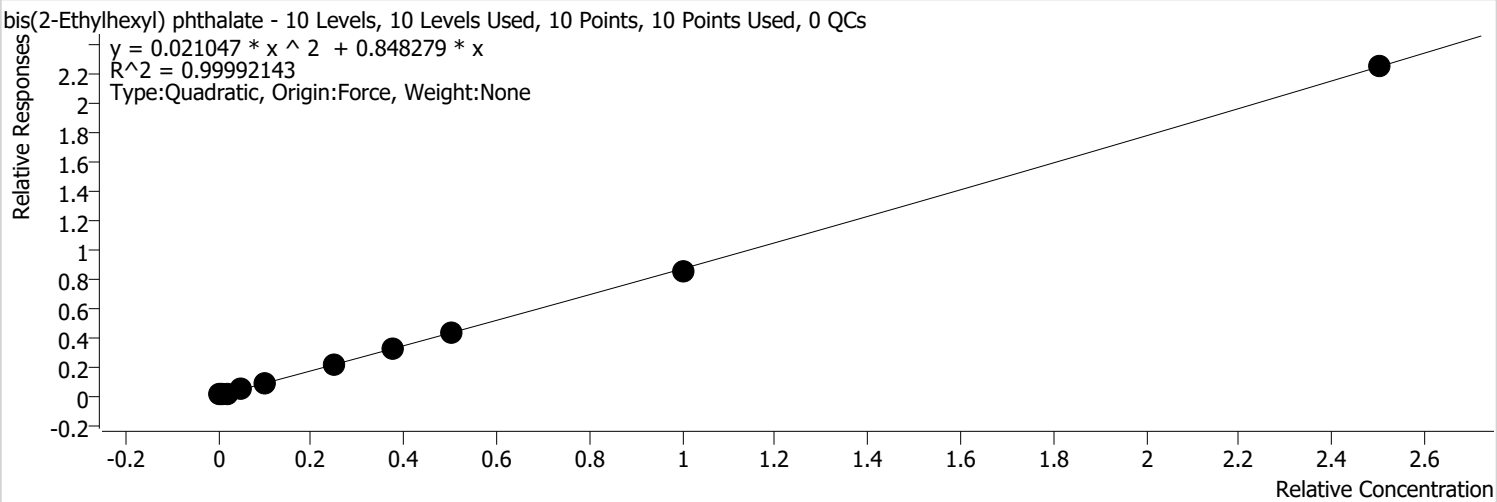
Chrysene %RSE = 10.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	761	10.0000	1.5890	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1404	20.0000	1.4440	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2694	40.0000	1.4804	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6137	100.0000	1.3118	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13155	200.0000	1.3782	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	32483	500.0000	1.3291	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48424	750.0000	1.3126	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65529	1000.0000	1.3101	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	132609	2000.0000	1.2829	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	314503	5000.0000	1.2724	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

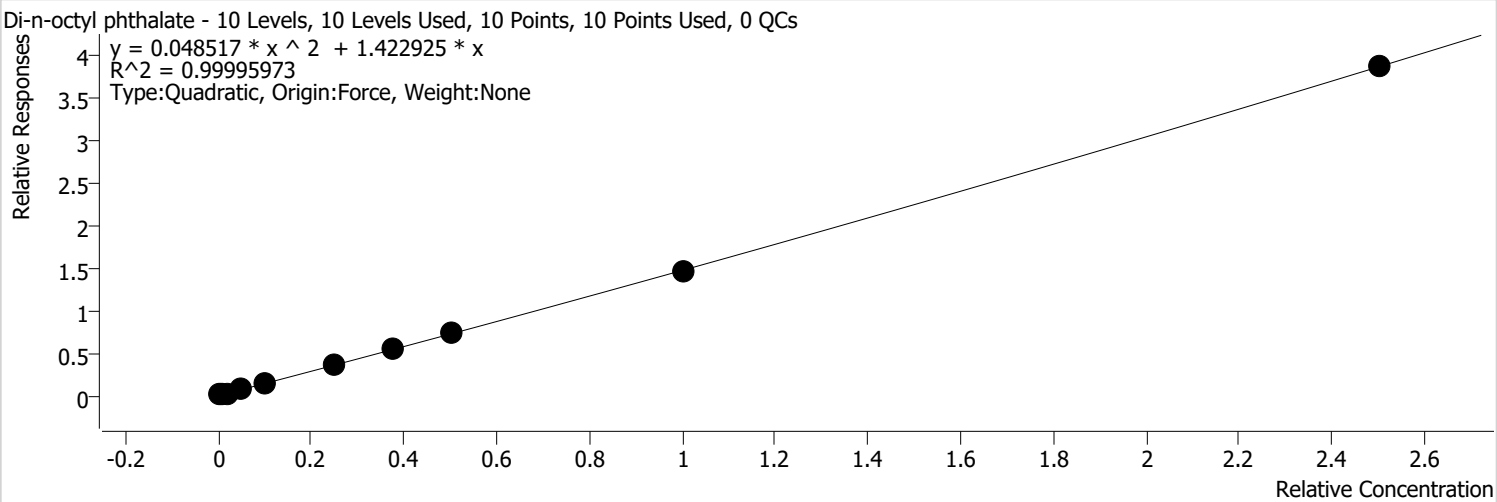
bis(2-Ethylhexyl) phthalate %RSE = 48.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	913	10.0000	1.9054	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1013	20.0000	1.0414	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1806	40.0000	0.9927	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4177	100.0000	0.8929	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	8384	200.0000	0.8784	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	21543	500.0000	0.8814	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	32541	750.0000	0.8821	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	43368	1000.0000	0.8670	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	88691	2000.0000	0.8580	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	222809	5000.0000	0.9014	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

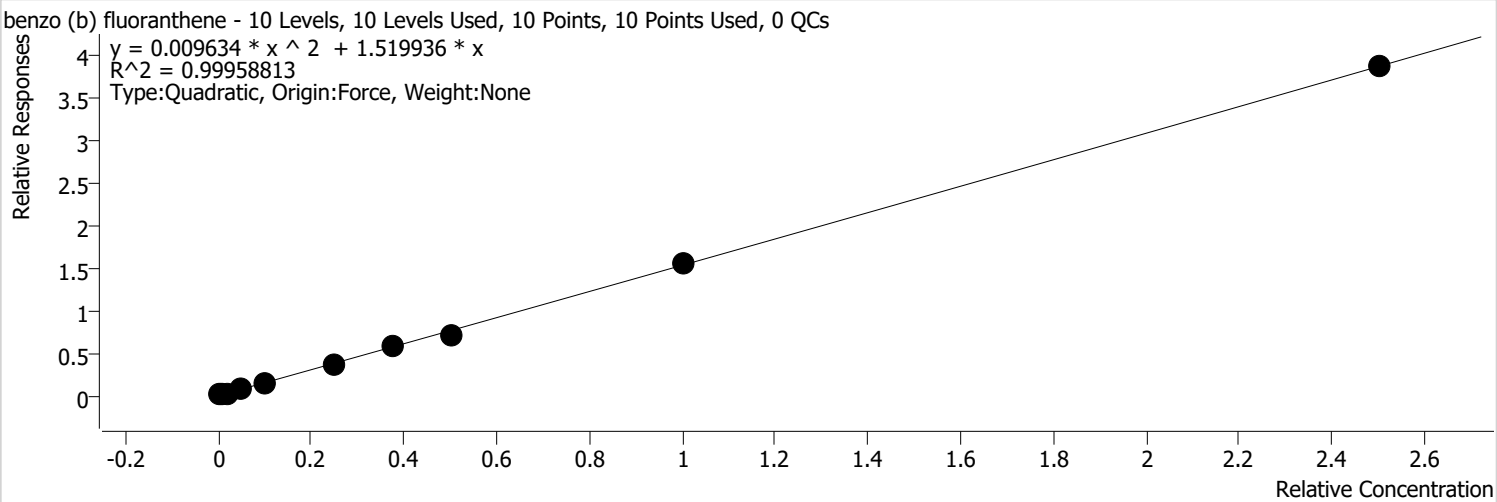
Di-n-octyl phthalate %RSE = 8.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	831	10.0000	1.7341	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1407	20.0000	1.4474	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2698	40.0000	1.4828	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6548	100.0000	1.3997	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13737	200.0000	1.4392	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	35535	500.0000	1.4539	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	54602	750.0000	1.4800	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	73140	1000.0000	1.4622	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	150583	2000.0000	1.4568	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	381850	5000.0000	1.5449	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

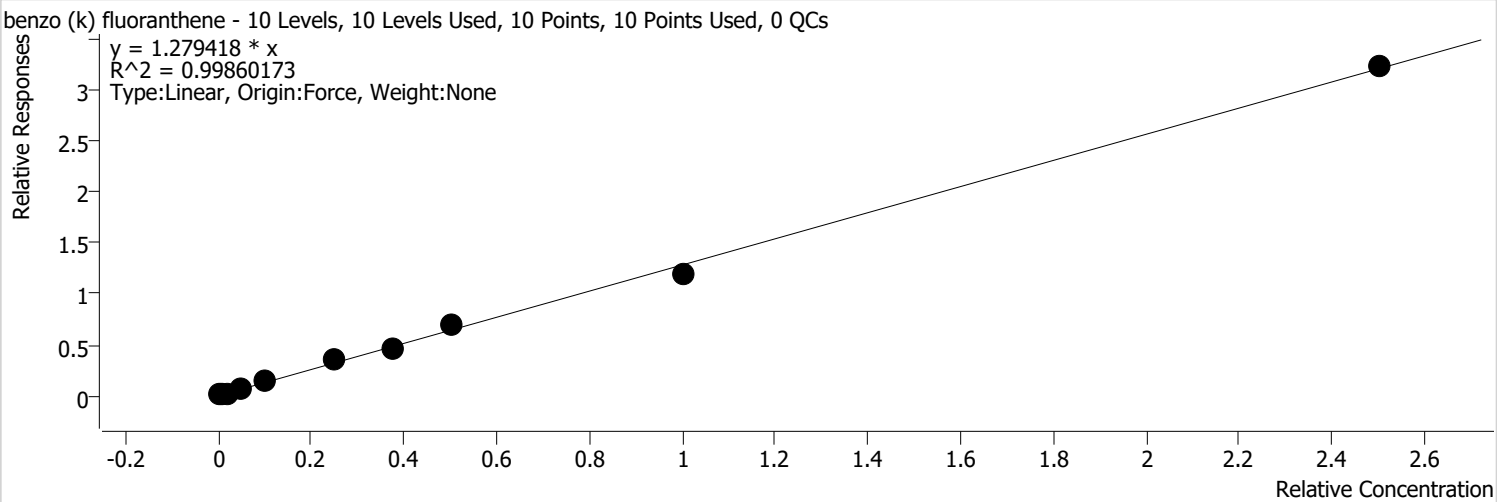
benzo (b) fluoranthene %RSE = 5.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	791	10.0000	1.6517	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1473	20.0000	1.5149	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2848	40.0000	1.5651	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6983	100.0000	1.4926	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	14259	200.0000	1.4938	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	36540	500.0000	1.4951	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	58601	750.0000	1.5884	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	70175	1000.0000	1.4029	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	161285	2000.0000	1.5603	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	381344	5000.0000	1.5428	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

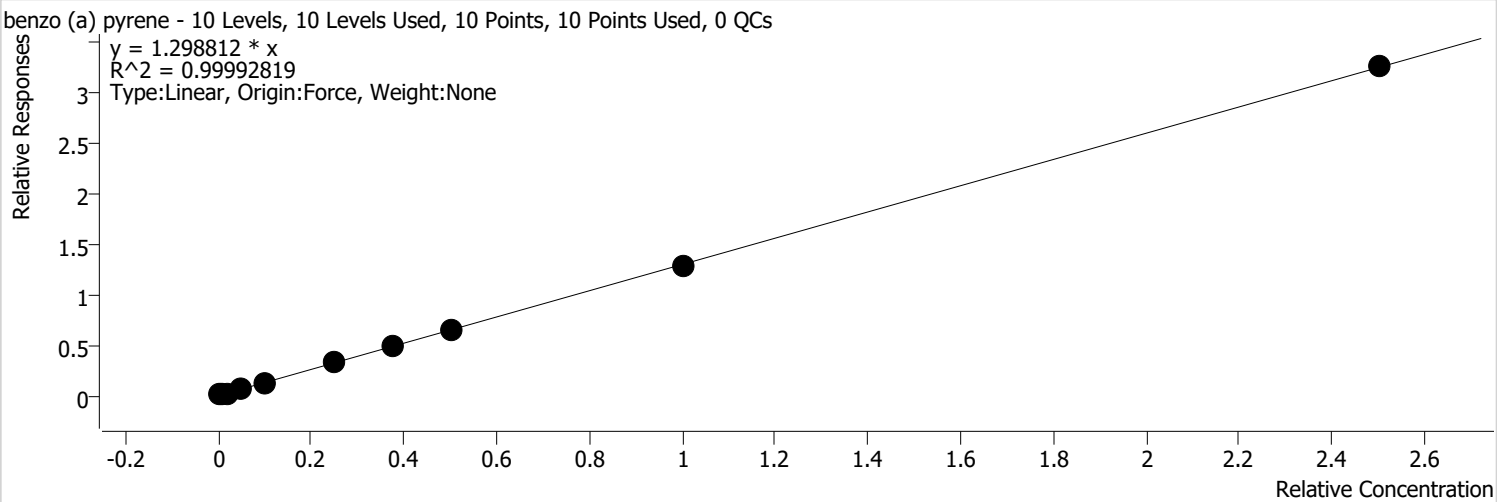
benzo (k) fluoranthene %RSE = 13.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	748	10.0000	1.5612	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1465	20.0000	1.5067	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2685	40.0000	1.4755	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6471	100.0000	1.3832	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13346	200.0000	1.3982	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33842	500.0000	1.3847	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	45636	750.0000	1.2370	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	70152	1000.0000	1.4025	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	123605	2000.0000	1.1958	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	318239	5000.0000	1.2875	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

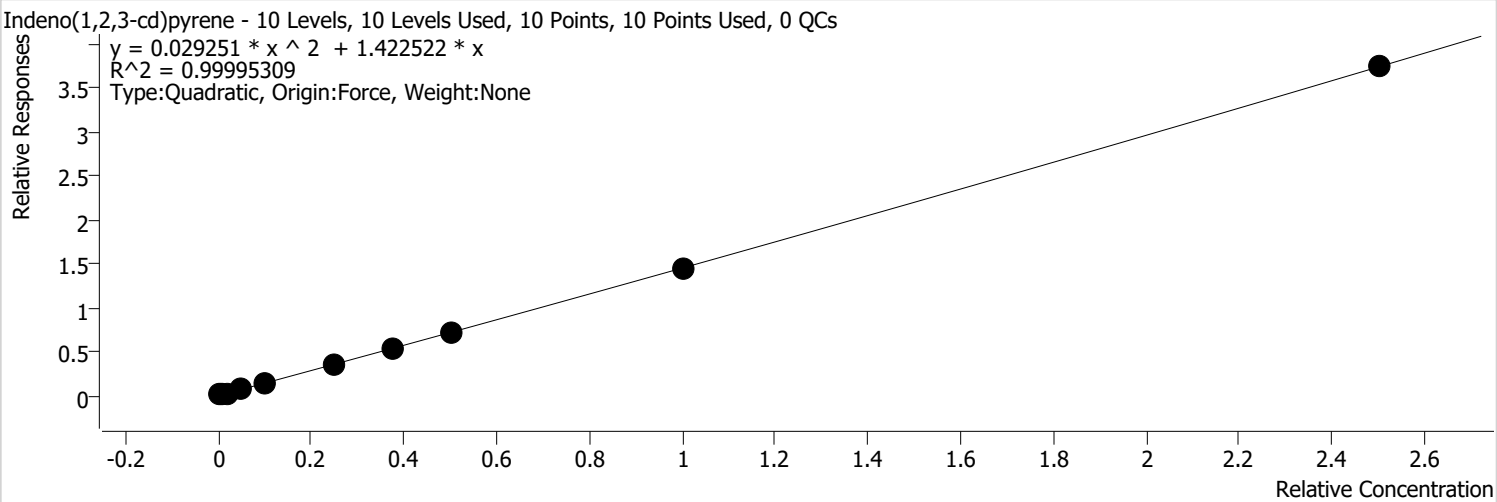
benzo (a) pyrene %RSE = 22.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1002	10.0000	2.0912	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1444	20.0000	1.4855	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2676	40.0000	1.4705	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6107	100.0000	1.3053	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	12441	200.0000	1.3034	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	31707	500.0000	1.2973	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48512	750.0000	1.3149	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65263	1000.0000	1.3047	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	131897	2000.0000	1.2760	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	321779	5000.0000	1.3018	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

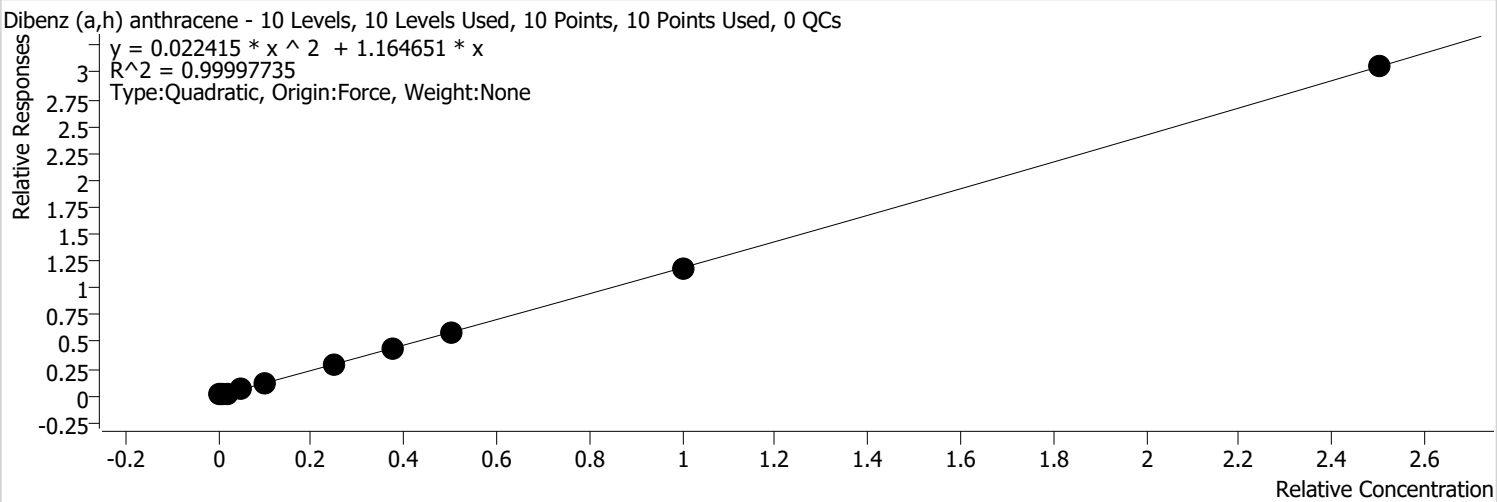
Indeno(1,2,3-cd)pyrene %RSE = 16.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1078	10.0000	1.9788	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1738	20.0000	1.5756	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	3303	40.0000	1.6048	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	7770	100.0000	1.4641	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	15937	200.0000	1.4703	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	40639	500.0000	1.4713	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	60409	750.0000	1.4516	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	81206	1000.0000	1.4585	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	165581	2000.0000	1.4361	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	414477	5000.0000	1.4964	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Dibenz (a,h) anthracene %RSE = 8.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	744	10.0000	1.3651	
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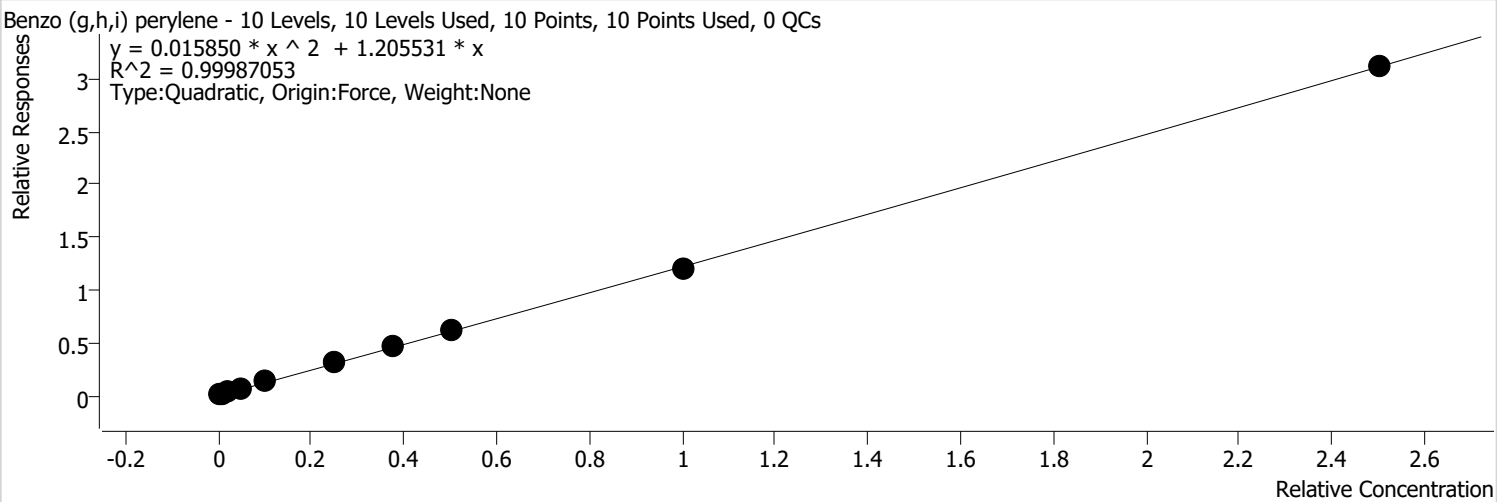
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2665	40.0000	1.2952	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6293	100.0000	1.1858	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	12932	200.0000	1.1930	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33004	500.0000	1.1949	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	49359	750.0000	1.1861	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	66020	1000.0000	1.1857	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	135851	2000.0000	1.1783	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	338231	5000.0000	1.2211	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Benzo (g,h,i) perylene %RSE = 80.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1961	10.0000	3.5991	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	2154	20.0000	1.9524	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	3573	40.0000	1.7361	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	7292	100.0000	1.3740	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	14191	200.0000	1.3092	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	34875	500.0000	1.2626	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	51304	750.0000	1.2328	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	68376	1000.0000	1.2280	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	138864	2000.0000	1.2044	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	345125	5000.0000	1.2460	

Semivolatile Calibration

Date: 08/16/21

Analyst: Sam Berman

MeCl2: 5994

Cal		ICV	
IM 25795	8270 Megamix: 24893		8270 Megamix: 24990
	2,4-DNP: 24998		2,4-DNP: 24501
	Benzoic Acid: 25025		Benzoic Acid: 23305

8270 Surrogate: 25514

IS 25765

Spike Conc. (ppb)	BN/Acid Surr Conc. (ppb)	2° Spike (uL)	B/N Surr (uL)	Internal Standard (uL)	Remove (uL)	Final Vol. (mL)	(mL) @270 MM SS	(mL) Comments 2DNP SS	(mL) HBZ SS
10	10/5	1	--	10	11	1			
20	20/10	2	--	10	12	1			
40	40/20	4	--	10	14	1			
100	100/50	10	--	10	20	1			
200	200/100	20	--	10	30	1			
500	500/250	~~40~~ 50	--	10	60	1			
750	750/375	75	--	10	85	1			
1000	1000/500	100	--	10	110	1			
2000	2000/1000	200	--	10	210	1			
5000	5000/2500	500	--	10	510	1			
ICB	1000/500		~~15~~	10	~~11~~ 15	1			
ICV (1000 ppb)	1000/500	100 (2° SS)		10	~~110~~ 19	1	1	1	1

8/11/21 8/11/21 8/11/21

	Mega Mix (uL)	2,4-DNP (uL)	Benzoic Acid (uL)	8270 Surr (uL)	Final Volume (mL)
2° Intermediate (cal)	100	100	100	100	10
2° Intermediate (SS)	50	50	50	50	5

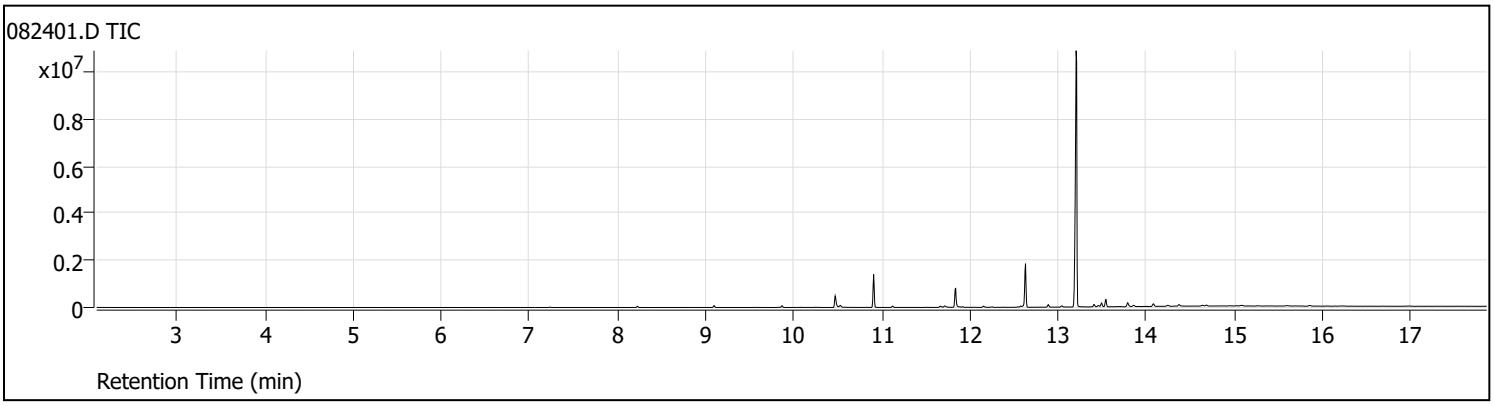
Signature and Date: 08/16/21

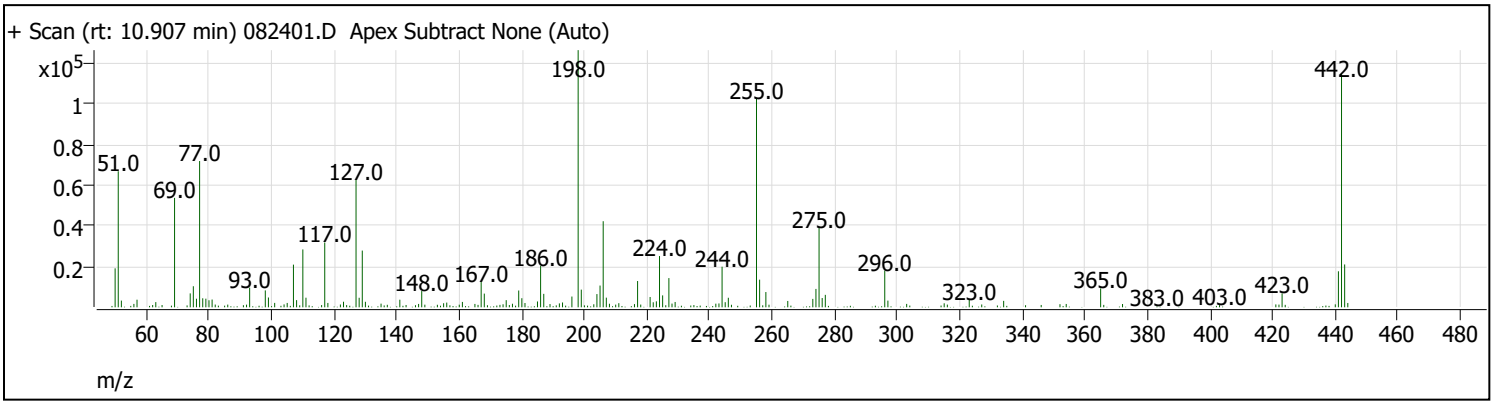
Signature: EM

Tunes

Tune Evaluation Report

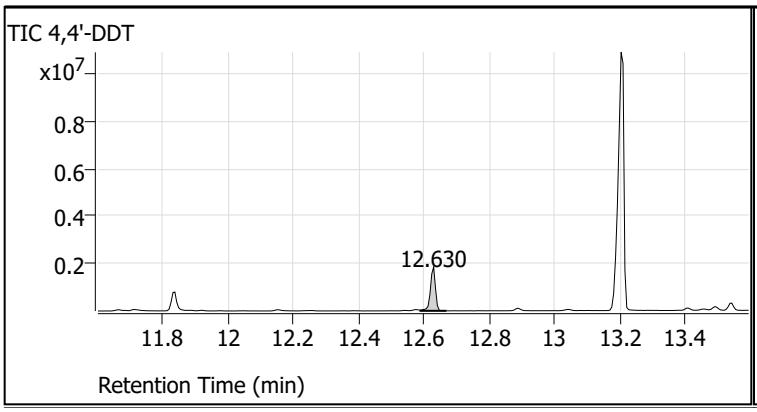
Data Path:	C:\GC-14\Data\2021\082421\082401.D
Acq on:	8/24/2021 8:05:10 AM
Operator:	FA\GC14
Sample:	TUNE
Inst Name:	GC-14
ALS Vial:	1
Method:	C:\GC-14\Methods\Quant Methods\TUNE\DFTPPwBreak&TailingGC218270E.m

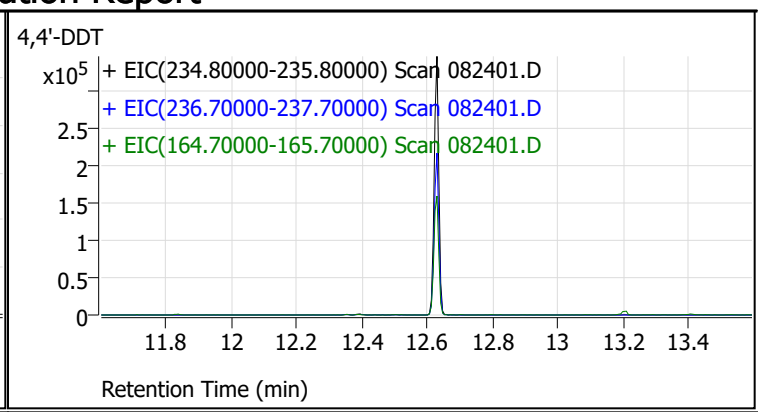


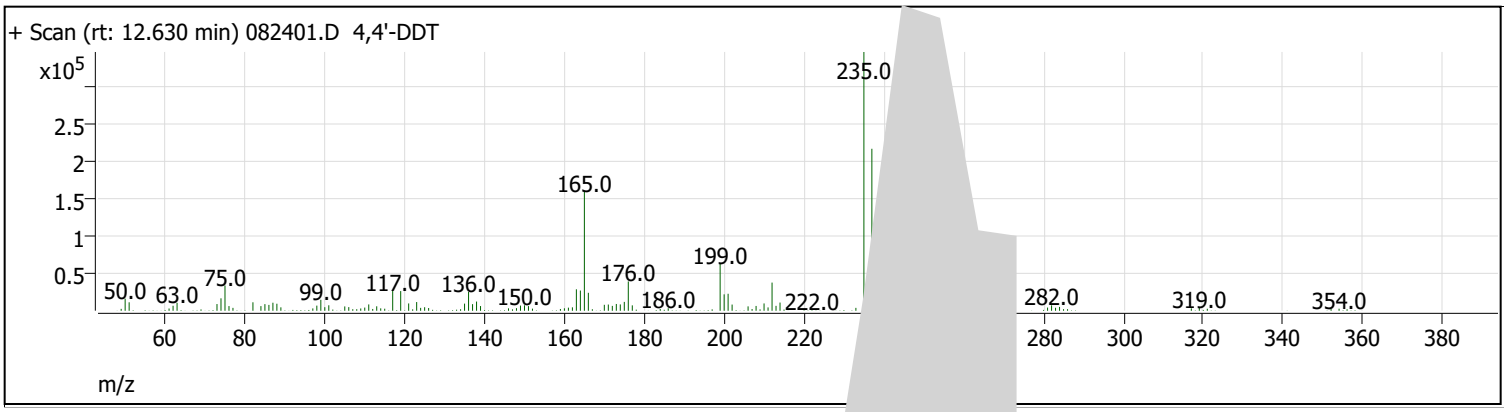


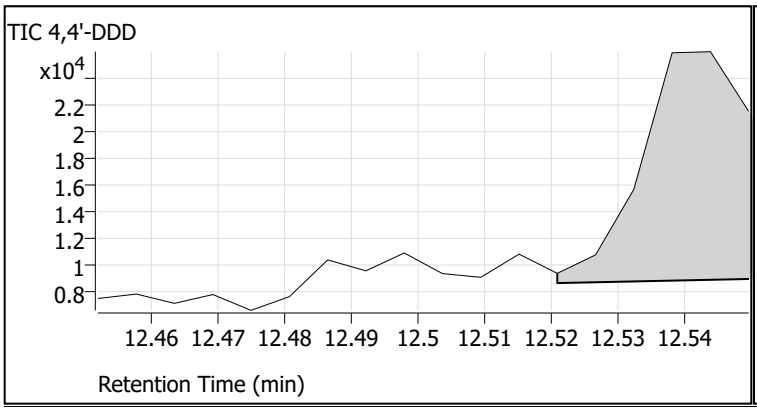
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	1.5	810	Pass
70	69	0	2	0.4	193	Pass
197	198	0	2	0.0	0	Pass
198	198	100	100	100.0	126312	Pass
199	198	5	9	6.9	8671	Pass
365	198	1	100	7.3	9274	Pass
441	443	1E-10	150	84.0	17688	Pass
442	442	100	100	100.0	114832	Pass
443	442	15	24	18.3	21048	Pass
69	69	100	100	100.0	53752	Pass

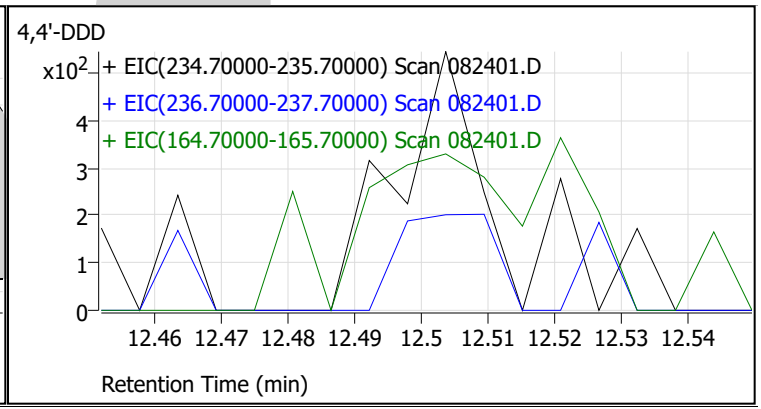
Tune Evaluation Report

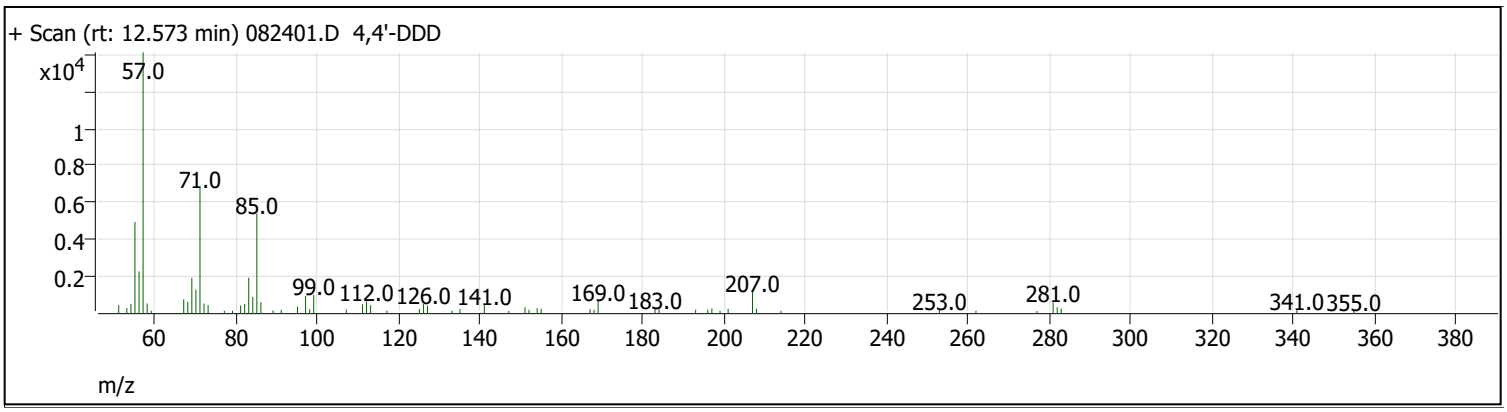






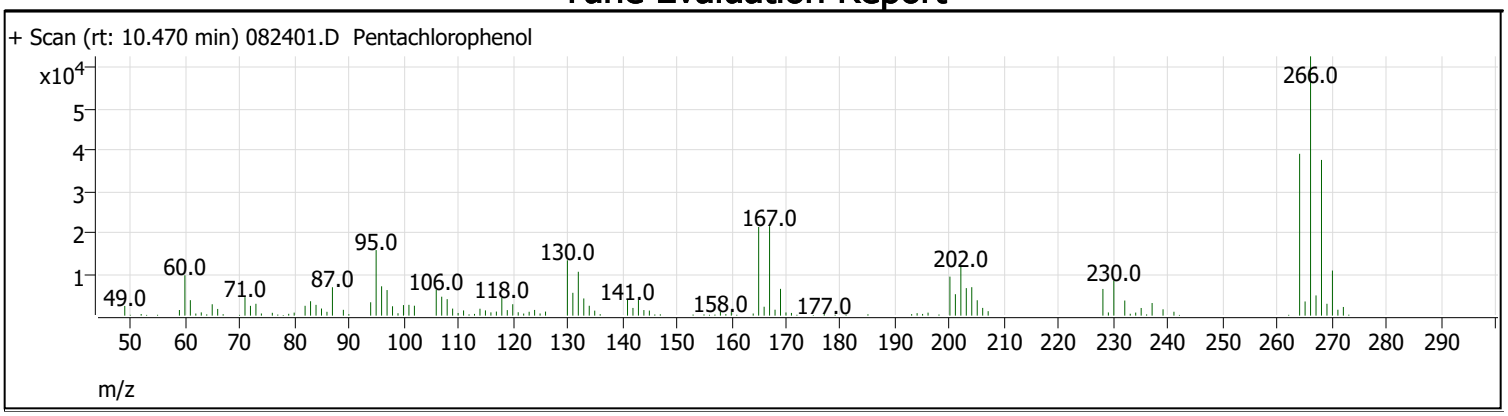


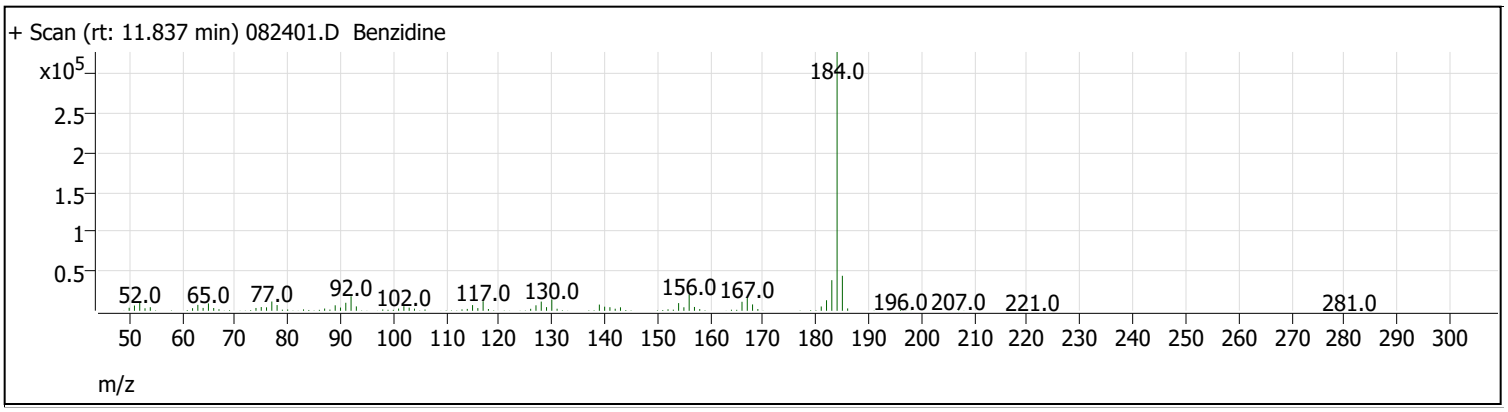




Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	12.600	12.630	1961410	4.4	Pass
4,4'-DDD	12.500	12.573	89588		

Tune Evaluation Report

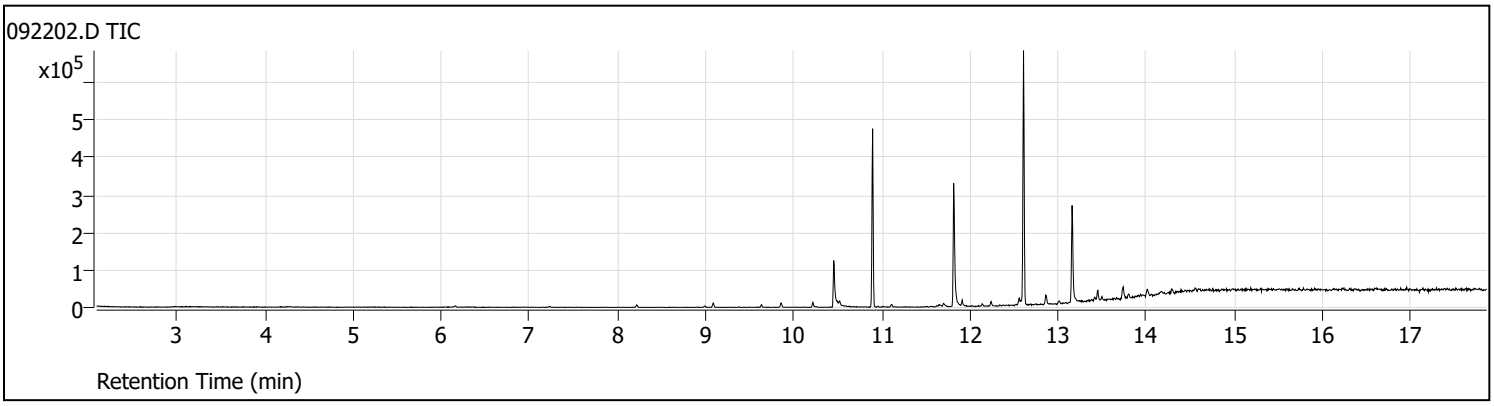


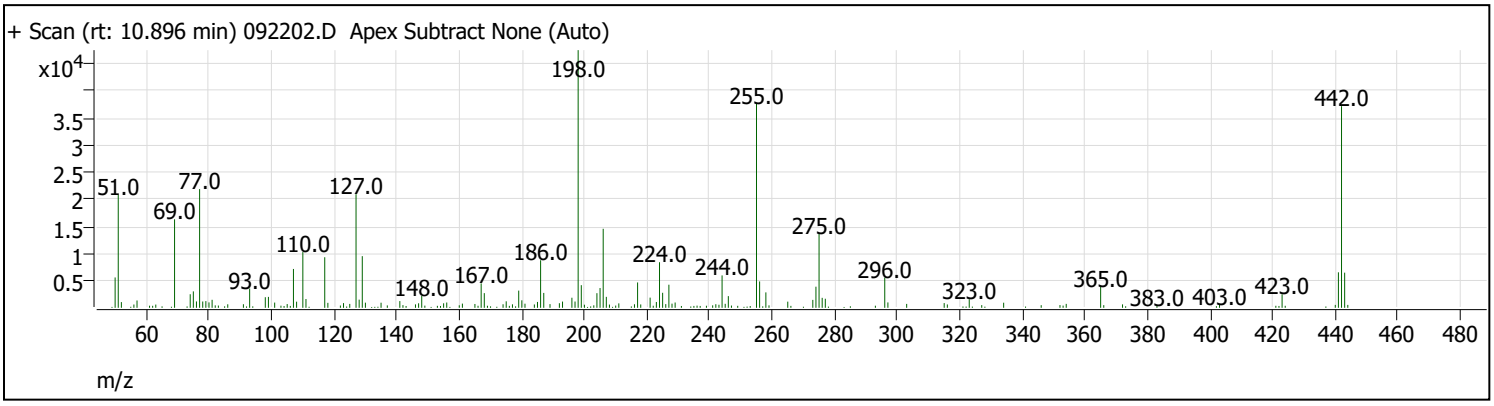


Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	10.540	10.470	1.9	2.8	Pass
Benzidine	11.906	11.837	0.9	3.2	Pass

Tune Evaluation Report

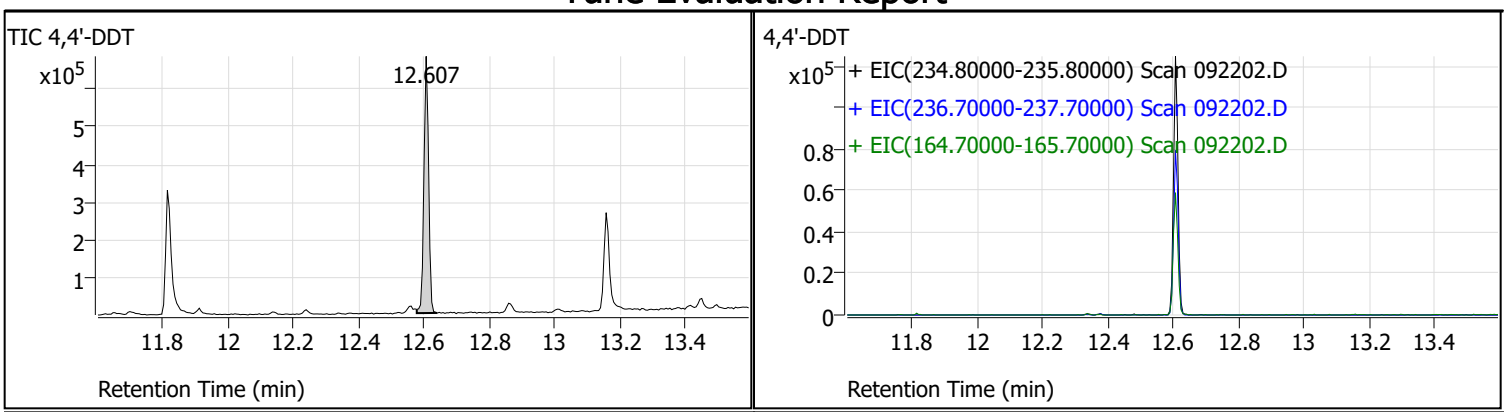
Data Path:	C:\GC-14\Data\2021\092121\092202.D
Acq on:	9/22/2021 9:35:54 AM
Operator:	FA\gc14
Sample:	TUNE
Inst Name:	GC-14
ALS Vial:	1
Method:	C:\GC-14\Methods\Quant Methods\TUNE\DFTPPwBreak&TailingGC218270E.m

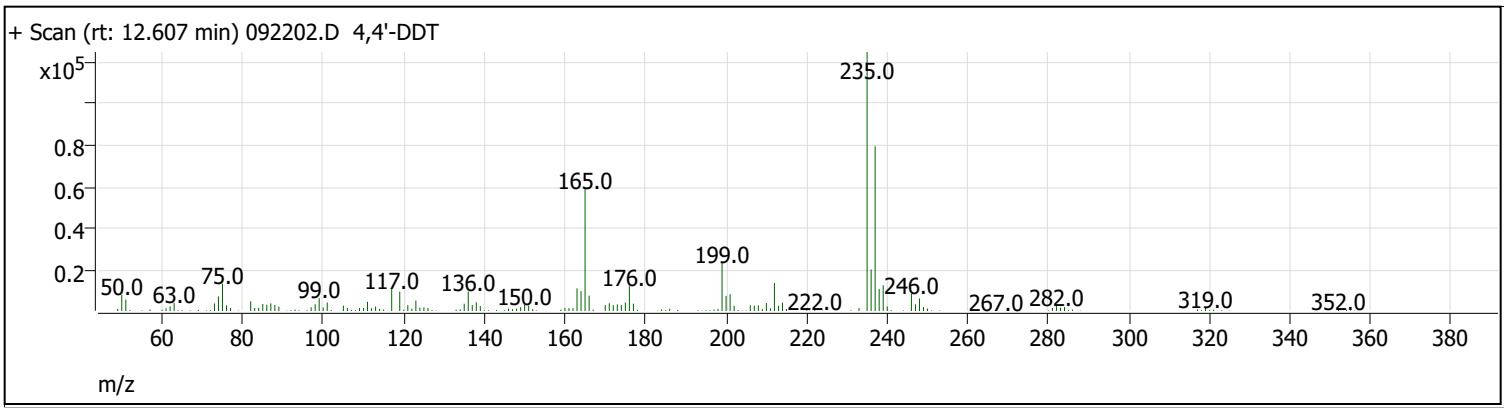


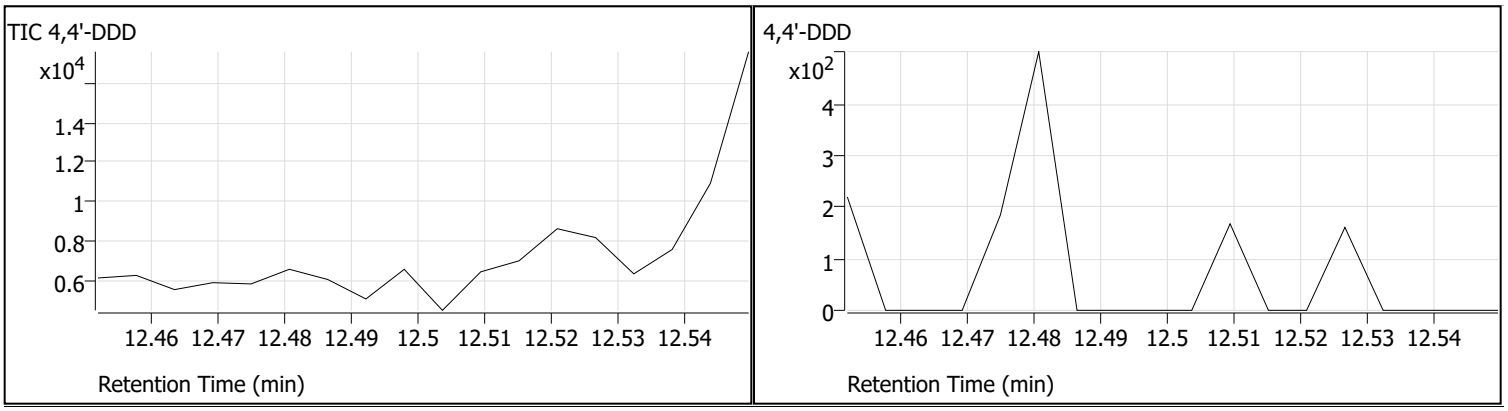


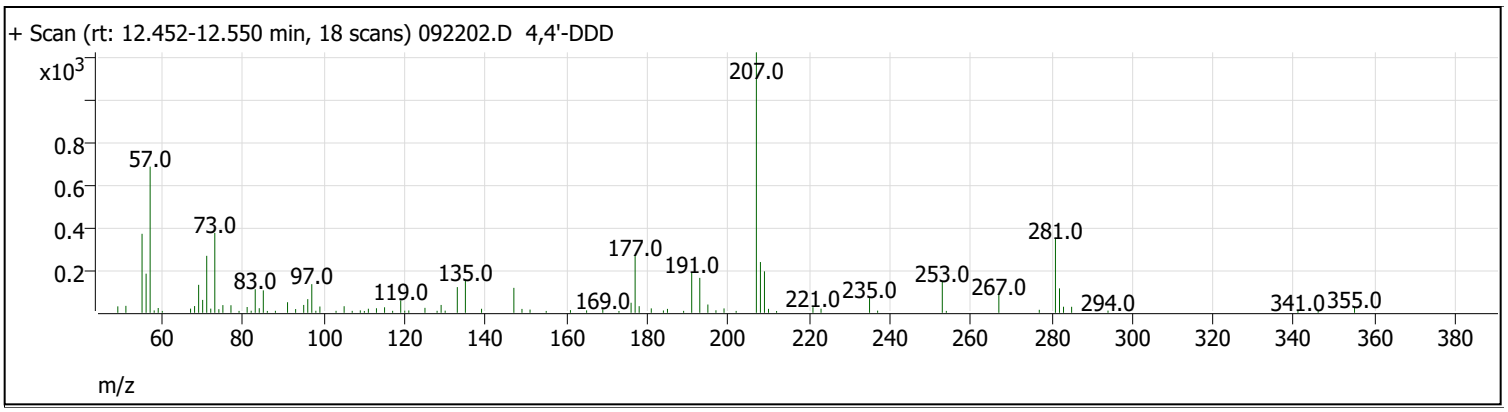
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	1.2	196	Pass
70	69	0	2	0.0	0	Pass
197	198	0	2	2.4	1157	Fail
198	198	100	100	100.0	47576	Pass
199	198	5	9	8.8	4175	Pass
365	198	1	100	8.1	3840	Pass
441	443	1E-10	150	101.0	6549	Pass
442	442	100	100	100.0	37232	Pass
443	442	15	24	17.4	6487	Pass
69	69	100	100	100.0	16341	Pass

Tune Evaluation Report



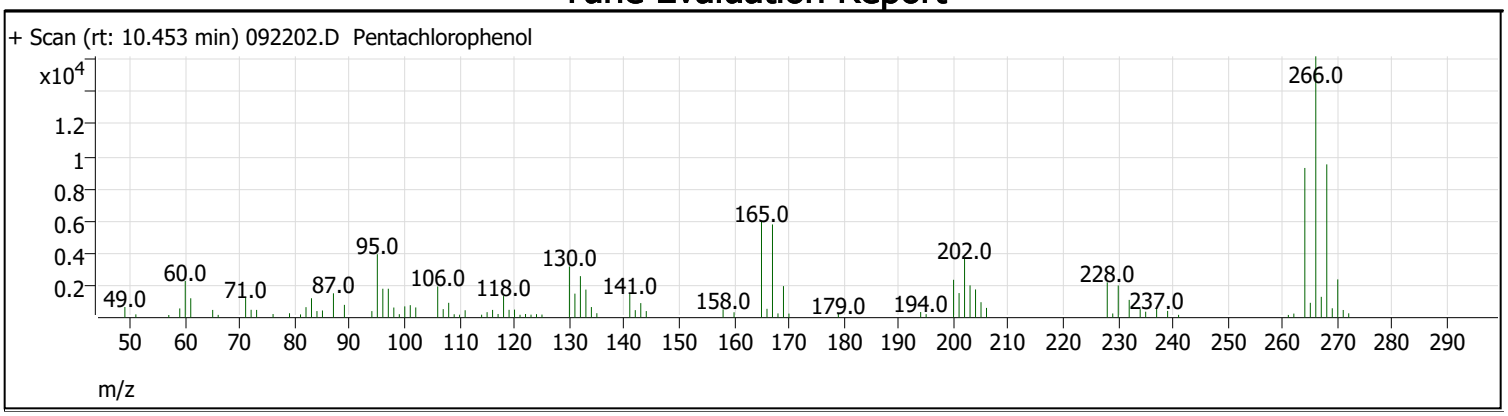


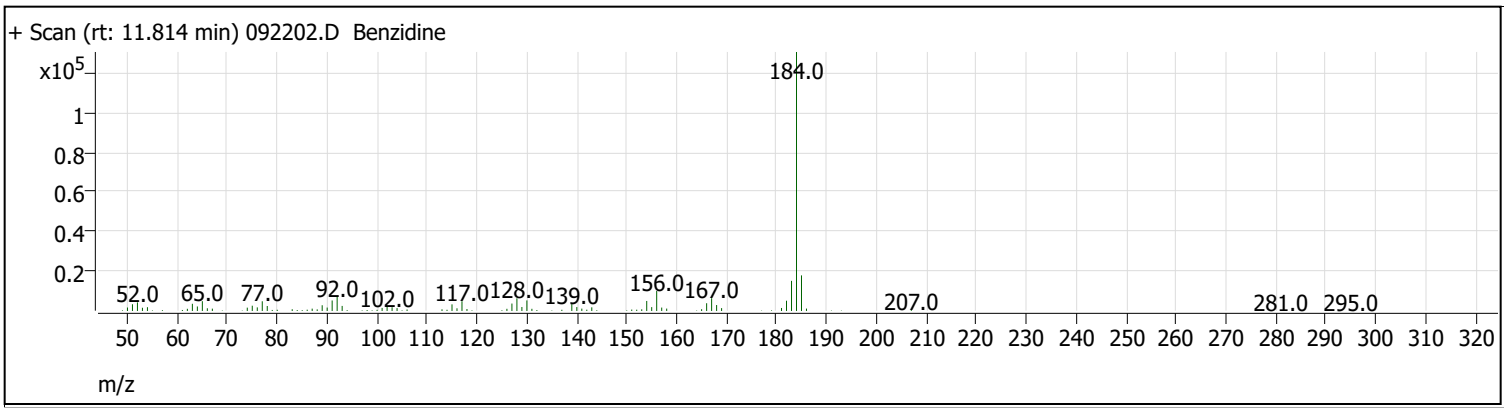




Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	12.600	12.607	674454	0.0	Pass
4,4'-DDD	12.500	0.000	0		

Tune Evaluation Report





Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	10.540	10.453	4.1	3.1	Fail
Benzidine	11.906	11.814	2.5	3.1	Fail

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Shannon & Wilson
Ryan Peterson
400 N. 34th Street, Suite 100
Seattle, WA 98103

RE: 8801- Excavations
Work Order Number: 2109340

September 29, 2021

Attention Ryan Peterson:

Fremont Analytical, Inc. received 39 sample(s) on 9/22/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CLIENT: Shannon & Wilson
Project: 8801- Excavations
Work Order: 2109340

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109340-001	A1-SIDE1:2	09/21/2021 2:06 PM	09/22/2021 8:06 AM
2109340-002	A1-SIDE2:3	09/21/2021 2:15 PM	09/22/2021 8:06 AM
2109340-003	A1-SIDE3:4	09/21/2021 2:35 PM	09/22/2021 8:06 AM
2109340-004	A1-SIDE4:2	09/21/2021 12:23 PM	09/22/2021 8:06 AM
2109340-005	A1-SIDE5:1	09/21/2021 12:27 PM	09/22/2021 8:06 AM
2109340-006	A1-SIDE6:3	09/21/2021 12:34 PM	09/22/2021 8:06 AM
2109340-007	A1-SIDE7:2	09/21/2021 12:44 PM	09/22/2021 8:06 AM
2109340-008	A1-SIDE8:1	09/21/2021 12:50 PM	09/22/2021 8:06 AM
2109340-009	A1-SIDE9:3.5	09/21/2021 12:57 PM	09/22/2021 8:06 AM
2109340-010	A1-SIDE10:2	09/21/2021 1:03 PM	09/22/2021 8:06 AM
2109340-011	A1-SIDE11:4	09/21/2021 1:10 PM	09/22/2021 8:06 AM
2109340-012	A1-SIDE12:1	09/21/2021 1:15 PM	09/22/2021 8:06 AM
2109340-013	A1-SIDE13:2	09/21/2021 1:20 PM	09/22/2021 8:06 AM
2109340-014	A1-SIDE14:3	09/21/2021 1:25 PM	09/22/2021 8:06 AM
2109340-015	A1-SIDE15:1.5	09/21/2021 1:30 PM	09/22/2021 8:06 AM
2109340-016	A1-SIDE16:4	09/21/2021 1:50 PM	09/22/2021 8:06 AM
2109340-017	A1-SIDE17:2	09/21/2021 1:55 PM	09/22/2021 8:06 AM
2109340-018	A1-SIDE18:1	09/21/2021 2:00 PM	09/22/2021 8:06 AM
2109340-019	A1-SIDE100:3	09/21/2021 5:00 PM	09/22/2021 8:06 AM
2109340-020	A1-BOT1:4	09/21/2021 2:46 PM	09/22/2021 8:06 AM
2109340-021	A1-BOT2:4	09/21/2021 2:50 PM	09/22/2021 8:06 AM
2109340-022	A1-BOT3:4	09/21/2021 2:56 PM	09/22/2021 8:06 AM
2109340-023	A1-BOT4:4	09/21/2021 3:00 PM	09/22/2021 8:06 AM
2109340-024	A1-BOT5:4	09/21/2021 3:08 PM	09/22/2021 8:06 AM
2109340-025	A1-BOT6:4	09/21/2021 3:10 PM	09/22/2021 8:06 AM
2109340-026	A1-BOT7:4	09/21/2021 3:16 PM	09/22/2021 8:06 AM
2109340-027	A1-BOT8:4	09/21/2021 3:20 PM	09/22/2021 8:06 AM
2109340-028	A1-BOT9:4	09/21/2021 3:26 PM	09/22/2021 8:06 AM
2109340-029	A1-BOT10:4	09/21/2021 3:30 PM	09/22/2021 8:06 AM
2109340-030	A1-BOT11:4	09/21/2021 4:00 PM	09/22/2021 8:06 AM
2109340-031	A1-BOT12:4	09/21/2021 4:05 PM	09/22/2021 8:06 AM
2109340-032	A1-BOT13:4	09/21/2021 4:10 PM	09/22/2021 8:06 AM
2109340-033	A1-BOT14:4	09/21/2021 4:15 PM	09/22/2021 8:06 AM
2109340-034	A1-BOT15:4	09/21/2021 4:20 PM	09/22/2021 8:06 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT:	Shannon & Wilson
Project:	8801- Excavations
Work Order:	2109340

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109340-035	A1-BOT16:4	09/21/2021 4:35 PM	09/22/2021 8:06 AM
2109340-036	A1-BOT17:4	09/21/2021 4:40 PM	09/22/2021 8:06 AM
2109340-037	A1-BOT18:4	09/21/2021 4:45 PM	09/22/2021 8:06 AM
2109340-038	A1-BOT100:4	09/21/2021 5:00 PM	09/22/2021 8:06 AM
2109340-039	TRIP-20210921	09/21/2021 5:00 PM	09/22/2021 8:06 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2109340**
Date: **9/29/2021**

CLIENT: Shannon & Wilson
Project: 8801- Excavations

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

10/3/2021: Revision 1 includes level 2B data package.

Qualifiers:

* - Associated LCS is outside of control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Method Detection Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-001
Client Sample ID: **A1-SIDE1:2**

Collection Date: 9/21/2021 2:06:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33803			Analyst: CR
Vinyl chloride	ND	0.0351	0.0142		mg/Kg-dry	1	09/23/21 13:59:20
Trichloroethene (TCE)	0.0169	0.0281	0.0112	J	mg/Kg-dry	1	09/23/21 13:59:20
Tetrachloroethene (PCE)	ND	0.0562	0.00662		mg/Kg-dry	1	09/23/21 13:59:20
Surr: Dibromofluoromethane	105	75.5 - 119	0		%Rec	1	09/23/21 13:59:20
Surr: Toluene-d8	98.4	82.4 - 115	0		%Rec	1	09/23/21 13:59:20
Surr: 1-Bromo-4-fluorobenzene	102	78.5 - 118	0		%Rec	1	09/23/21 13:59:20
Sample Moisture (Percent Moisture)				Batch ID: R70083			Analyst: cb
Percent Moisture	22.2	0.500	0.100		wt%	1	09/23/21 10:16:16

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-002
Client Sample ID: **A1-SIDE2:3**

Collection Date: 9/21/2021 2:15:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33803			Analyst: CR
Vinyl chloride	ND	0.0326	0.0131		mg/Kg-dry	1	09/23/21 14:30:28
Trichloroethene (TCE)	0.371	0.0261	0.0104		mg/Kg-dry	1	09/23/21 14:30:28
Tetrachloroethene (PCE)	0.0814	0.0521	0.00614		mg/Kg-dry	1	09/23/21 14:30:28
Surr: Dibromofluoromethane	94.8	75.5 - 119	0		%Rec	1	09/23/21 14:30:28
Surr: Toluene-d8	102	82.4 - 115	0		%Rec	1	09/23/21 14:30:28
Surr: 1-Bromo-4-fluorobenzene	95.1	78.5 - 118	0		%Rec	1	09/23/21 14:30:28
Sample Moisture (Percent Moisture)				Batch ID: R70083			Analyst: cb
Percent Moisture	23.6	0.500	0.100		wt%	1	09/23/21 10:16:16

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-003
Client Sample ID: **A1-SIDE3:4**

Collection Date: 9/21/2021 2:35:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33803			Analyst: CR
Vinyl chloride	ND	0.0330	0.0133		mg/Kg-dry	1	09/23/21 15:01:35
Trichloroethene (TCE)	0.393	0.0264	0.0105		mg/Kg-dry	1	09/23/21 15:01:35
Tetrachloroethene (PCE)	0.0488	0.0528	0.00622	J	mg/Kg-dry	1	09/23/21 15:01:35
Surr: Dibromofluoromethane	96.8	75.5 - 119	0		%Rec	1	09/23/21 15:01:35
Surr: Toluene-d8	104	82.4 - 115	0		%Rec	1	09/23/21 15:01:35
Surr: 1-Bromo-4-fluorobenzene	93.4	78.5 - 118	0		%Rec	1	09/23/21 15:01:35
Sample Moisture (Percent Moisture)				Batch ID: R70083			Analyst: cb
Percent Moisture	24.2	0.500	0.100		wt%	1	09/23/21 10:16:16

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-004
Client Sample ID: **A1-SIDE4:2**

Collection Date: 9/21/2021 12:23:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33803			Analyst: CR
Vinyl chloride	ND	0.0359	0.0145		mg/Kg-dry	1	09/23/21 15:32:41
Trichloroethene (TCE)	1.13	0.0288	0.0115		mg/Kg-dry	1	09/23/21 15:32:41
Tetrachloroethene (PCE)	0.0641	0.0575	0.00678		mg/Kg-dry	1	09/23/21 15:32:41
Surr: Dibromofluoromethane	98.2	75.5 - 119	0		%Rec	1	09/23/21 15:32:41
Surr: Toluene-d8	103	82.4 - 115	0		%Rec	1	09/23/21 15:32:41
Surr: 1-Bromo-4-fluorobenzene	101	78.5 - 118	0		%Rec	1	09/23/21 15:32:41
Sample Moisture (Percent Moisture)				Batch ID: R70083			Analyst: cb
Percent Moisture	27.8	0.500	0.100		wt%	1	09/23/21 10:16:16

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-005
Client Sample ID: **A1-SIDE5:1**

Collection Date: 9/21/2021 12:27:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33803			Analyst: CR
Vinyl chloride	ND	0.0268	0.0108		mg/Kg-dry	1	09/23/21 16:03:54
Trichloroethene (TCE)	6.05	0.215	0.0856	D	mg/Kg-dry	10	09/24/21 16:55:46
Tetrachloroethene (PCE)	ND	0.0429	0.00506		mg/Kg-dry	1	09/23/21 16:03:54
Surr: Dibromofluoromethane	95.8	75.5 - 119	0		%Rec	1	09/23/21 16:03:54
Surr: Toluene-d8	104	82.4 - 115	0		%Rec	1	09/23/21 16:03:54
Surr: 1-Bromo-4-fluorobenzene	97.3	78.5 - 118	0		%Rec	1	09/23/21 16:03:54
Sample Moisture (Percent Moisture)				Batch ID: R70083			Analyst: cb
Percent Moisture	22.4	0.500	0.100		wt%	1	09/23/21 10:16:16

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-006
Client Sample ID: **A1-SIDE6:3**

Collection Date: 9/21/2021 12:34:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33803			Analyst: CR
Vinyl chloride	ND	0.0325	0.0131		mg/Kg-dry	1	09/23/21 16:35:05
Trichloroethene (TCE)	0.0210	0.0260	0.0104	J	mg/Kg-dry	1	09/24/21 16:24:35
Tetrachloroethene (PCE)	ND	0.0520	0.00612		mg/Kg-dry	1	09/23/21 16:35:05
Surr: Dibromofluoromethane	96.1	75.5 - 119	0		%Rec	1	09/23/21 16:35:05
Surr: Toluene-d8	102	82.4 - 115	0		%Rec	1	09/23/21 16:35:05
Surr: 1-Bromo-4-fluorobenzene	99.2	78.5 - 118	0		%Rec	1	09/23/21 16:35:05
Sample Moisture (Percent Moisture)				Batch ID: R70083			Analyst: cb
Percent Moisture	20.8	0.500	0.100		wt%	1	09/23/21 10:16:16

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-007
Client Sample ID: **A1-SIDE7:2**

Collection Date: 9/21/2021 12:44:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33803			Analyst: CR
Vinyl chloride	ND	0.0356	0.0143		mg/Kg-dry	1	09/23/21 17:06:17
Trichloroethene (TCE)	0.0508	0.0285	0.0113		mg/Kg-dry	1	09/23/21 17:06:17
Tetrachloroethene (PCE)	ND	0.0569	0.00671		mg/Kg-dry	1	09/23/21 17:06:17
Surr: Dibromofluoromethane	92.6	75.5 - 119	0		%Rec	1	09/23/21 17:06:17
Surr: Toluene-d8	102	82.4 - 115	0		%Rec	1	09/23/21 17:06:17
Surr: 1-Bromo-4-fluorobenzene	95.2	78.5 - 118	0		%Rec	1	09/23/21 17:06:17
Sample Moisture (Percent Moisture)				Batch ID: R70083			Analyst: cb
Percent Moisture	24.6	0.500	0.100		wt%	1	09/23/21 10:16:16

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-008
Client Sample ID: **A1-SIDE8:1**

Collection Date: 9/21/2021 12:50:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33803			Analyst: CR
Vinyl chloride	ND	0.0503	0.0203		mg/Kg-dry	1	09/23/21 17:37:24
Trichloroethene (TCE)	1.88	0.0402	0.0160		mg/Kg-dry	1	09/23/21 17:37:24
Tetrachloroethene (PCE)	ND	0.0804	0.00947		mg/Kg-dry	1	09/23/21 17:37:24
Surr: Dibromofluoromethane	96.4	75.5 - 119	0		%Rec	1	09/23/21 17:37:24
Surr: Toluene-d8	102	82.4 - 115	0		%Rec	1	09/23/21 17:37:24
Surr: 1-Bromo-4-fluorobenzene	97.3	78.5 - 118	0		%Rec	1	09/23/21 17:37:24
Sample Moisture (Percent Moisture)				Batch ID: R70083			Analyst: cb
Percent Moisture	31.9	0.500	0.100		wt%	1	09/23/21 10:16:16

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-009
Client Sample ID: **A1-SIDE9:3.5**

Collection Date: 9/21/2021 12:57:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33803			Analyst: CR
Vinyl chloride	ND	0.0259	0.0104		mg/Kg-dry	1	09/23/21 18:08:24
Trichloroethene (TCE)	0.166	0.0207	0.00825		mg/Kg-dry	1	09/23/21 18:08:24
Tetrachloroethene (PCE)	ND	0.0414	0.00488		mg/Kg-dry	1	09/23/21 18:08:24
Surr: Dibromofluoromethane	93.1	75.5 - 119	0		%Rec	1	09/23/21 18:08:24
Surr: Toluene-d8	101	82.4 - 115	0		%Rec	1	09/23/21 18:08:24
Surr: 1-Bromo-4-fluorobenzene	97.1	78.5 - 118	0		%Rec	1	09/23/21 18:08:24
Sample Moisture (Percent Moisture)				Batch ID: R70083			Analyst: cb
Percent Moisture	15.1	0.500	0.100		wt%	1	09/23/21 10:16:16

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-010
Client Sample ID: **A1-SIDE10:2**

Collection Date: 9/21/2021 1:03:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33803			Analyst: CR
Vinyl chloride	ND	0.0292	0.0118		mg/Kg-dry	1	09/23/21 18:39:28
Trichloroethene (TCE)	0.850	0.0234	0.00933		mg/Kg-dry	1	09/23/21 18:39:28
Tetrachloroethene (PCE)	ND	0.0468	0.00551		mg/Kg-dry	1	09/23/21 18:39:28
Surr: Dibromofluoromethane	96.9	75.5 - 119	0		%Rec	1	09/23/21 18:39:28
Surr: Toluene-d8	103	82.4 - 115	0		%Rec	1	09/23/21 18:39:28
Surr: 1-Bromo-4-fluorobenzene	97.0	78.5 - 118	0		%Rec	1	09/23/21 18:39:28
Sample Moisture (Percent Moisture)				Batch ID: R70083			Analyst: cb
Percent Moisture	8.21	0.500	0.100		wt%	1	09/23/21 10:16:16

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-011
Client Sample ID: **A1-SIDE11:4**

Collection Date: 9/21/2021 1:10:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33803			Analyst: CR
Vinyl chloride	ND	0.0359	0.0145		mg/Kg-dry	1	09/23/21 19:41:25
Trichloroethene (TCE)	0.165	0.0288	0.0115		mg/Kg-dry	1	09/23/21 19:41:25
Tetrachloroethene (PCE)	ND	0.0575	0.00678		mg/Kg-dry	1	09/23/21 19:41:25
Surr: Dibromofluoromethane	95.9	75.5 - 119	0		%Rec	1	09/23/21 19:41:25
Surr: Toluene-d8	102	82.4 - 115	0		%Rec	1	09/23/21 19:41:25
Surr: 1-Bromo-4-fluorobenzene	95.9	78.5 - 118	0		%Rec	1	09/23/21 19:41:25
Sample Moisture (Percent Moisture)				Batch ID: R70083			Analyst: cb
Percent Moisture	13.3	0.500	0.100		wt%	1	09/23/21 10:16:16

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-012
Client Sample ID: **A1-SIDE12:1**

Collection Date: 9/21/2021 1:15:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33803			Analyst: CR
Vinyl chloride	ND	0.0484	0.0195		mg/Kg-dry	1	09/23/21 20:43:19
Trichloroethene (TCE)	1.63	0.0387	0.0154		mg/Kg-dry	1	09/23/21 20:43:19
Tetrachloroethene (PCE)	ND	0.0775	0.00913		mg/Kg-dry	1	09/23/21 20:43:19
Surr: Dibromofluoromethane	96.3	75.5 - 119	0		%Rec	1	09/23/21 20:43:19
Surr: Toluene-d8	105	82.4 - 115	0		%Rec	1	09/23/21 20:43:19
Surr: 1-Bromo-4-fluorobenzene	91.6	78.5 - 118	0		%Rec	1	09/23/21 20:43:19
Sample Moisture (Percent Moisture)				Batch ID: R70083			Analyst: cb
Percent Moisture	22.9	0.500	0.100		wt%	1	09/23/21 10:16:16

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-013
Client Sample ID: **A1-SIDE13:2**

Collection Date: 9/21/2021 1:20:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33803			Analyst: CR
Vinyl chloride	ND	0.0300	0.0121		mg/Kg-dry	1	09/23/21 21:14:15
Trichloroethene (TCE)	0.956	0.0240	0.00956		mg/Kg-dry	1	09/23/21 21:14:15
Tetrachloroethene (PCE)	0.0138	0.0479	0.00565	J	mg/Kg-dry	1	09/23/21 21:14:15
Surr: Dibromofluoromethane	99.1	75.5 - 119	0		%Rec	1	09/23/21 21:14:15
Surr: Toluene-d8	102	82.4 - 115	0		%Rec	1	09/23/21 21:14:15
Surr: 1-Bromo-4-fluorobenzene	100	78.5 - 118	0		%Rec	1	09/23/21 21:14:15
Sample Moisture (Percent Moisture)				Batch ID: R70083			Analyst: cb
Percent Moisture	12.8	0.500	0.100		wt%	1	09/23/21 10:16:16

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-014
Client Sample ID: **A1-SIDE14:3**

Collection Date: 9/21/2021 1:25:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33803			Analyst: CR
Vinyl chloride	ND	0.0321	0.0129		mg/Kg-dry	1	09/23/21 21:45:17
Trichloroethene (TCE)	0.415	0.0257	0.0102		mg/Kg-dry	1	09/23/21 21:45:17
Tetrachloroethene (PCE)	0.00972	0.0513	0.00605	J	mg/Kg-dry	1	09/23/21 21:45:17
Surr: Dibromofluoromethane	95.4	75.5 - 119	0		%Rec	1	09/23/21 21:45:17
Surr: Toluene-d8	105	82.4 - 115	0		%Rec	1	09/23/21 21:45:17
Surr: 1-Bromo-4-fluorobenzene	90.8	78.5 - 118	0		%Rec	1	09/23/21 21:45:17
Sample Moisture (Percent Moisture)				Batch ID: R70118			Analyst: CH
Percent Moisture	21.2	0.500	0.100		wt%	1	09/24/21 12:26:36

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-015
Client Sample ID: **A1-SIDE15:1.5**

Collection Date: 9/21/2021 1:30:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33803			Analyst: CR
Vinyl chloride	ND	0.0290	0.0117		mg/Kg-dry	1	09/23/21 22:16:13
Trichloroethene (TCE)	0.111	0.0232	0.00926		mg/Kg-dry	1	09/23/21 22:16:13
Tetrachloroethene (PCE)	0.00899	0.0464	0.00547	J	mg/Kg-dry	1	09/23/21 22:16:13
Surr: Dibromofluoromethane	101	75.5 - 119	0		%Rec	1	09/23/21 22:16:13
Surr: Toluene-d8	104	82.4 - 115	0		%Rec	1	09/23/21 22:16:13
Surr: 1-Bromo-4-fluorobenzene	101	78.5 - 118	0		%Rec	1	09/23/21 22:16:13
Sample Moisture (Percent Moisture)				Batch ID: R70118			Analyst: CH
Percent Moisture	16.9	0.500	0.100		wt%	1	09/24/21 12:26:36

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-016
Client Sample ID: **A1-SIDE16:4**

Collection Date: 9/21/2021 1:50:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33803			Analyst: CR
Vinyl chloride	ND	0.0342	0.0138		mg/Kg-dry	1	09/23/21 22:47:17
Trichloroethene (TCE)	ND	0.0274	0.0109		mg/Kg-dry	1	09/23/21 22:47:17
Tetrachloroethene (PCE)	ND	0.0547	0.00645		mg/Kg-dry	1	09/23/21 22:47:17
Surr: Dibromofluoromethane	95.3	75.5 - 119	0		%Rec	1	09/23/21 22:47:17
Surr: Toluene-d8	104	82.4 - 115	0		%Rec	1	09/23/21 22:47:17
Surr: 1-Bromo-4-fluorobenzene	94.3	78.5 - 118	0		%Rec	1	09/23/21 22:47:17
Sample Moisture (Percent Moisture)				Batch ID: R70118			Analyst: CH
Percent Moisture	23.1	0.500	0.100		wt%	1	09/24/21 12:26:36

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-017
Client Sample ID: **A1-SIDE17:2**

Collection Date: 9/21/2021 1:55:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33812			Analyst: CR
Vinyl chloride	ND	0.0296	0.0119		mg/Kg-dry	1	09/24/21 1:22:10
Trichloroethene (TCE)	0.404	0.0237	0.00944		mg/Kg-dry	1	09/24/21 1:22:10
Tetrachloroethene (PCE)	0.0693	0.0474	0.00558		mg/Kg-dry	1	09/24/21 1:22:10
Surr: Dibromofluoromethane	102	75.5 - 119	0		%Rec	1	09/24/21 1:22:10
Surr: Toluene-d8	104	82.4 - 115	0		%Rec	1	09/24/21 1:22:10
Surr: 1-Bromo-4-fluorobenzene	100	78.5 - 118	0		%Rec	1	09/24/21 1:22:10
Sample Moisture (Percent Moisture)				Batch ID: R70118			Analyst: CH
Percent Moisture	8.46	0.500	0.100		wt%	1	09/24/21 12:26:36

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-018
Client Sample ID: **A1-SIDE18:1**

Collection Date: 9/21/2021 2:00:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33812			Analyst: CR
Vinyl chloride	ND	0.0264	0.0106		mg/Kg-dry	1	09/24/21 1:53:06
Trichloroethene (TCE)	ND	0.0211	0.00841		mg/Kg-dry	1	09/24/21 1:53:06
Tetrachloroethene (PCE)	ND	0.0422	0.00497		mg/Kg-dry	1	09/24/21 1:53:06
Surr: Dibromofluoromethane	96.7	75.5 - 119	0		%Rec	1	09/24/21 1:53:06
Surr: Toluene-d8	103	82.4 - 115	0		%Rec	1	09/24/21 1:53:06
Surr: 1-Bromo-4-fluorobenzene	97.5	78.5 - 118	0		%Rec	1	09/24/21 1:53:06
Sample Moisture (Percent Moisture)				Batch ID: R70118			Analyst: CH
Percent Moisture	7.66	0.500	0.100		wt%	1	09/24/21 12:26:36

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-019
Client Sample ID: **A1-SIDE100:3**

Collection Date: 9/21/2021 5:00:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33812			Analyst: CR
Vinyl chloride	ND	0.0329	0.0133		mg/Kg-dry	1	09/24/21 2:24:02
Trichloroethene (TCE)	0.440	0.0263	0.0105		mg/Kg-dry	1	09/24/21 2:24:02
Tetrachloroethene (PCE)	0.0914	0.0526	0.00620		mg/Kg-dry	1	09/24/21 2:24:02
Surr: Dibromofluoromethane	101	75.5 - 119	0		%Rec	1	09/24/21 2:24:02
Surr: Toluene-d8	105	82.4 - 115	0		%Rec	1	09/24/21 2:24:02
Surr: 1-Bromo-4-fluorobenzene	98.3	78.5 - 118	0		%Rec	1	09/24/21 2:24:02
Sample Moisture (Percent Moisture)				Batch ID: R70118			Analyst: CH
Percent Moisture	24.0	0.500	0.100		wt%	1	09/24/21 12:26:36

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-020
Client Sample ID: **A1-BOT1:4**

Collection Date: 9/21/2021 2:46:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33812			Analyst: CR
Vinyl chloride	ND	0.0416	0.0168		mg/Kg-dry	1	09/24/21 2:54:54
Trichloroethene (TCE)	0.0437	0.0333	0.0133		mg/Kg-dry	1	09/24/21 2:54:54
Tetrachloroethene (PCE)	0.00873	0.0665	0.00784	J	mg/Kg-dry	1	09/24/21 2:54:54
Surr: Dibromofluoromethane	96.8	75.5 - 119	0		%Rec	1	09/24/21 2:54:54
Surr: Toluene-d8	103	82.4 - 115	0		%Rec	1	09/24/21 2:54:54
Surr: 1-Bromo-4-fluorobenzene	98.0	78.5 - 118	0		%Rec	1	09/24/21 2:54:54
Sample Moisture (Percent Moisture)				Batch ID: R70118			Analyst: CH
Percent Moisture	10.7	0.500	0.100		wt%	1	09/24/21 12:26:36

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-021
Client Sample ID: **A1-BOT2:4**

Collection Date: 9/21/2021 2:50:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33812			Analyst: CR
Vinyl chloride	ND	0.0374	0.0151		mg/Kg-dry	1	09/24/21 3:25:50
Trichloroethene (TCE)	0.259	0.0299	0.0119		mg/Kg-dry	1	09/24/21 3:25:50
Tetrachloroethene (PCE)	0.0611	0.0598	0.00705		mg/Kg-dry	1	09/24/21 3:25:50
Surr: Dibromofluoromethane	101	75.5 - 119	0		%Rec	1	09/24/21 3:25:50
Surr: Toluene-d8	104	82.4 - 115	0		%Rec	1	09/24/21 3:25:50
Surr: 1-Bromo-4-fluorobenzene	100	78.5 - 118	0		%Rec	1	09/24/21 3:25:50
Sample Moisture (Percent Moisture)				Batch ID: R70118			Analyst: CH
Percent Moisture	11.4	0.500	0.100		wt%	1	09/24/21 12:26:36

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-022
Client Sample ID: **A1-BOT3:4**

Collection Date: 9/21/2021 2:56:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33812			Analyst: CR
Vinyl chloride	ND	0.0296	0.0119		mg/Kg-dry	1	09/24/21 3:56:48
Trichloroethene (TCE)	0.754	0.0237	0.00944		mg/Kg-dry	1	09/24/21 3:56:48
Tetrachloroethene (PCE)	0.0631	0.0474	0.00558		mg/Kg-dry	1	09/24/21 3:56:48
Surr: Dibromofluoromethane	98.2	75.5 - 119	0		%Rec	1	09/24/21 3:56:48
Surr: Toluene-d8	105	82.4 - 115	0		%Rec	1	09/24/21 3:56:48
Surr: 1-Bromo-4-fluorobenzene	93.7	78.5 - 118	0		%Rec	1	09/24/21 3:56:48
Sample Moisture (Percent Moisture)				Batch ID: R70118			Analyst: CH
Percent Moisture	25.8	0.500	0.100		wt%	1	09/24/21 12:26:36

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-023
Client Sample ID: **A1-BOT4:4**

Collection Date: 9/21/2021 3:00:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33812			Analyst: CR
Vinyl chloride	ND	0.0298	0.0120		mg/Kg-dry	1	09/24/21 4:27:40
Trichloroethene (TCE)	0.738	0.0239	0.00951		mg/Kg-dry	1	09/24/21 4:27:40
Tetrachloroethene (PCE)	0.0433	0.0477	0.00562	J	mg/Kg-dry	1	09/24/21 4:27:40
Surr: Dibromofluoromethane	102	75.5 - 119	0		%Rec	1	09/24/21 4:27:40
Surr: Toluene-d8	104	82.4 - 115	0		%Rec	1	09/24/21 4:27:40
Surr: 1-Bromo-4-fluorobenzene	101	78.5 - 118	0		%Rec	1	09/24/21 4:27:40
Sample Moisture (Percent Moisture)				Batch ID: R70118			Analyst: CH
Percent Moisture	22.3	0.500	0.100		wt%	1	09/24/21 12:26:36

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-024
Client Sample ID: **A1-BOT5:4**

Collection Date: 9/21/2021 3:08:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33812			Analyst: CR
Vinyl chloride	ND	0.0347	0.0140		mg/Kg-dry	1	09/24/21 4:58:31
Trichloroethene (TCE)	0.322	0.0277	0.0111		mg/Kg-dry	1	09/24/21 4:58:31
Tetrachloroethene (PCE)	0.0327	0.0555	0.00654	J	mg/Kg-dry	1	09/24/21 4:58:31
Surr: Dibromofluoromethane	98.7	75.5 - 119	0		%Rec	1	09/24/21 4:58:31
Surr: Toluene-d8	105	82.4 - 115	0		%Rec	1	09/24/21 4:58:31
Surr: 1-Bromo-4-fluorobenzene	95.0	78.5 - 118	0		%Rec	1	09/24/21 4:58:31
Sample Moisture (Percent Moisture)				Batch ID: R70118			Analyst: CH
Percent Moisture	21.7	0.500	0.100		wt%	1	09/24/21 12:26:36

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-025
Client Sample ID: **A1-BOT6:4**

Collection Date: 9/21/2021 3:10:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33812			Analyst: CR
Vinyl chloride	ND	0.0284	0.0115		mg/Kg-dry	1	09/24/21 5:29:27
Trichloroethene (TCE)	0.264	0.0227	0.00906		mg/Kg-dry	1	09/24/21 5:29:27
Tetrachloroethene (PCE)	0.0258	0.0454	0.00535	J	mg/Kg-dry	1	09/24/21 5:29:27
Surr: Dibromofluoromethane	101	75.5 - 119	0		%Rec	1	09/24/21 5:29:27
Surr: Toluene-d8	104	82.4 - 115	0		%Rec	1	09/24/21 5:29:27
Surr: 1-Bromo-4-fluorobenzene	98.7	78.5 - 118	0		%Rec	1	09/24/21 5:29:27
Sample Moisture (Percent Moisture)				Batch ID: R70118			Analyst: CH
Percent Moisture	12.3	0.500	0.100		wt%	1	09/24/21 12:26:36

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-026
Client Sample ID: **A1-BOT7:4**

Collection Date: 9/21/2021 3:16:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33812			Analyst: CR
Vinyl chloride	ND	0.0273	0.0110		mg/Kg-dry	1	09/24/21 6:00:25
Trichloroethene (TCE)	0.176	0.0219	0.00872		mg/Kg-dry	1	09/24/21 6:00:25
Tetrachloroethene (PCE)	0.0299	0.0438	0.00516	J	mg/Kg-dry	1	09/24/21 6:00:25
Surr: Dibromofluoromethane	96.9	75.5 - 119	0		%Rec	1	09/24/21 6:00:25
Surr: Toluene-d8	104	82.4 - 115	0		%Rec	1	09/24/21 6:00:25
Surr: 1-Bromo-4-fluorobenzene	98.5	78.5 - 118	0		%Rec	1	09/24/21 6:00:25
Sample Moisture (Percent Moisture)				Batch ID: R70118			Analyst: CH
Percent Moisture	12.1	0.500	0.100		wt%	1	09/24/21 12:26:36

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-027
Client Sample ID: **A1-BOT8:4**

Collection Date: 9/21/2021 3:20:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33812			Analyst: CR
Vinyl chloride	ND	0.0295	0.0119		mg/Kg-dry	1	09/24/21 6:31:21
Trichloroethene (TCE)	0.0511	0.0236	0.00942		mg/Kg-dry	1	09/24/21 6:31:21
Tetrachloroethene (PCE)	0.0144	0.0472	0.00557	J	mg/Kg-dry	1	09/24/21 6:31:21
Surr: Dibromofluoromethane	101	75.5 - 119	0		%Rec	1	09/24/21 6:31:21
Surr: Toluene-d8	104	82.4 - 115	0		%Rec	1	09/24/21 6:31:21
Surr: 1-Bromo-4-fluorobenzene	100	78.5 - 118	0		%Rec	1	09/24/21 6:31:21
Sample Moisture (Percent Moisture)				Batch ID: R70118			Analyst: CH
Percent Moisture	13.7	0.500	0.100		wt%	1	09/24/21 12:26:36

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-028
Client Sample ID: **A1-BOT9:4**

Collection Date: 9/21/2021 3:26:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33812			Analyst: CR
Vinyl chloride	ND	0.0383	0.0154		mg/Kg-dry	1	09/24/21 7:02:18
Trichloroethene (TCE)	0.0650	0.0306	0.0122		mg/Kg-dry	1	09/24/21 7:02:18
Tetrachloroethene (PCE)	0.0214	0.0613	0.00722	J	mg/Kg-dry	1	09/24/21 7:02:18
Surr: Dibromofluoromethane	100	75.5 - 119	0		%Rec	1	09/24/21 7:02:18
Surr: Toluene-d8	105	82.4 - 115	0		%Rec	1	09/24/21 7:02:18
Surr: 1-Bromo-4-fluorobenzene	97.2	78.5 - 118	0		%Rec	1	09/24/21 7:02:18
Sample Moisture (Percent Moisture)				Batch ID: R70118			Analyst: CH
Percent Moisture	25.8	0.500	0.100		wt%	1	09/24/21 12:26:36

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-029
Client Sample ID: **A1-BOT10:4**

Collection Date: 9/21/2021 3:30:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33812			Analyst: CR
Vinyl chloride	ND	0.0482	0.0194		mg/Kg-dry	1	09/24/21 8:04:06
Trichloroethene (TCE)	0.134	0.0385	0.0154		mg/Kg-dry	1	09/24/21 8:04:06
Tetrachloroethene (PCE)	0.0181	0.0771	0.00908	J	mg/Kg-dry	1	09/24/21 8:04:06
Surr: Dibromofluoromethane	99.4	75.5 - 119	0		%Rec	1	09/24/21 8:04:06
Surr: Toluene-d8	104	82.4 - 115	0		%Rec	1	09/24/21 8:04:06
Surr: 1-Bromo-4-fluorobenzene	99.7	78.5 - 118	0		%Rec	1	09/24/21 8:04:06
Sample Moisture (Percent Moisture)				Batch ID: R70118			Analyst: CH
Percent Moisture	8.80	0.500	0.100		wt%	1	09/24/21 12:26:36

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-030
Client Sample ID: **A1-BOT11:4**

Collection Date: 9/21/2021 4:00:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33812			Analyst: CR
Vinyl chloride	ND	0.0286	0.0115		mg/Kg-dry	1	09/24/21 9:05:59
Trichloroethene (TCE)	0.0742	0.0229	0.00913		mg/Kg-dry	1	09/24/21 9:05:59
Tetrachloroethene (PCE)	ND	0.0458	0.00539		mg/Kg-dry	1	09/24/21 9:05:59
Surr: Dibromofluoromethane	100	75.5 - 119	0		%Rec	1	09/24/21 9:05:59
Surr: Toluene-d8	105	82.4 - 115	0		%Rec	1	09/24/21 9:05:59
Surr: 1-Bromo-4-fluorobenzene	96.8	78.5 - 118	0		%Rec	1	09/24/21 9:05:59
Sample Moisture (Percent Moisture)				Batch ID: R70118			Analyst: CH
Percent Moisture	20.7	0.500	0.100		wt%	1	09/24/21 12:26:36

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-031
Client Sample ID: **A1-BOT12:4**

Collection Date: 9/21/2021 4:05:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33812			Analyst: CR
Vinyl chloride	ND	0.0344	0.0139		mg/Kg-dry	1	09/24/21 9:37:02
Trichloroethene (TCE)	0.0164	0.0275	0.0110	J	mg/Kg-dry	1	09/24/21 9:37:02
Tetrachloroethene (PCE)	ND	0.0550	0.00648		mg/Kg-dry	1	09/24/21 9:37:02
Surr: Dibromofluoromethane	101	75.5 - 119	0		%Rec	1	09/24/21 9:37:02
Surr: Toluene-d8	104	82.4 - 115	0		%Rec	1	09/24/21 9:37:02
Surr: 1-Bromo-4-fluorobenzene	100	78.5 - 118	0		%Rec	1	09/24/21 9:37:02
Sample Moisture (Percent Moisture)				Batch ID: R70118			Analyst: CH
Percent Moisture	20.9	0.500	0.100		wt%	1	09/24/21 12:26:36

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-032
Client Sample ID: **A1-BOT13:4**

Collection Date: 9/21/2021 4:10:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33812			Analyst: CR
Vinyl chloride	ND	0.0293	0.0118		mg/Kg-dry	1	09/24/21 10:08:03
Trichloroethene (TCE)	ND	0.0234	0.00934		mg/Kg-dry	1	09/24/21 10:08:03
Tetrachloroethene (PCE)	ND	0.0468	0.00552		mg/Kg-dry	1	09/24/21 10:08:03
Surr: Dibromofluoromethane	99.9	75.5 - 119	0		%Rec	1	09/24/21 10:08:03
Surr: Toluene-d8	104	82.4 - 115	0		%Rec	1	09/24/21 10:08:03
Surr: 1-Bromo-4-fluorobenzene	100	78.5 - 118	0		%Rec	1	09/24/21 10:08:03
Sample Moisture (Percent Moisture)				Batch ID: R70118			Analyst: CH
Percent Moisture	18.5	0.500	0.100		wt%	1	09/24/21 12:26:36

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-033
Client Sample ID: **A1-BOT14:4**

Collection Date: 9/21/2021 4:15:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33823			Analyst: KT
Vinyl chloride	ND	0.0321	0.0130		mg/Kg-dry	1	09/24/21 17:26:59
Trichloroethene (TCE)	0.0258	0.0257	0.0102		mg/Kg-dry	1	09/24/21 17:26:59
Tetrachloroethene (PCE)	ND	0.0514	0.00606		mg/Kg-dry	1	09/24/21 17:26:59
Surr: Dibromofluoromethane	92.1	75.5 - 119	0		%Rec	1	09/24/21 17:26:59
Surr: Toluene-d8	105	82.4 - 115	0		%Rec	1	09/24/21 17:26:59
Surr: 1-Bromo-4-fluorobenzene	93.2	78.5 - 118	0		%Rec	1	09/24/21 17:26:59
Sample Moisture (Percent Moisture)				Batch ID: R70118			Analyst: CH
Percent Moisture	24.2	0.500	0.100		wt%	1	09/24/21 12:26:36

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-034
Client Sample ID: **A1-BOT15:4**

Collection Date: 9/21/2021 4:20:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33823			Analyst: KT
Vinyl chloride	ND	0.0557	0.0225		mg/Kg-dry	1	09/24/21 17:58:06
Trichloroethene (TCE)	0.0640	0.0446	0.0178		mg/Kg-dry	1	09/24/21 17:58:06
Tetrachloroethene (PCE)	ND	0.0892	0.0105		mg/Kg-dry	1	09/24/21 17:58:06
Surr: Dibromofluoromethane	91.9	75.5 - 119	0		%Rec	1	09/24/21 17:58:06
Surr: Toluene-d8	104	82.4 - 115	0		%Rec	1	09/24/21 17:58:06
Surr: 1-Bromo-4-fluorobenzene	98.0	78.5 - 118	0		%Rec	1	09/24/21 17:58:06
Sample Moisture (Percent Moisture)				Batch ID: R70190			Analyst: ALB
Percent Moisture	14.5	0.500	0.100		wt%	1	09/28/21 13:59:31

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-035
Client Sample ID: **A1-BOT16:4**

Collection Date: 9/21/2021 4:35:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33823			Analyst: KT
Vinyl chloride	ND	0.0329	0.0133		mg/Kg-dry	1	09/24/21 19:00:13
Trichloroethene (TCE)	0.0799	0.0263	0.0105		mg/Kg-dry	1	09/24/21 19:00:13
Tetrachloroethene (PCE)	ND	0.0526	0.00620		mg/Kg-dry	1	09/24/21 19:00:13
Surr: Dibromofluoromethane	94.5	75.5 - 119	0		%Rec	1	09/24/21 19:00:13
Surr: Toluene-d8	105	82.4 - 115	0		%Rec	1	09/24/21 19:00:13
Surr: 1-Bromo-4-fluorobenzene	97.1	78.5 - 118	0		%Rec	1	09/24/21 19:00:13
Sample Moisture (Percent Moisture)				Batch ID: R70190			Analyst: ALB
Percent Moisture	18.8	0.500	0.100		wt%	1	09/28/21 13:59:31

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-036
Client Sample ID: **A1-BOT17:4**

Collection Date: 9/21/2021 4:40:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33823			Analyst: KT
Vinyl chloride	ND	0.0272	0.0110		mg/Kg-dry	1	09/24/21 19:31:15
Trichloroethene (TCE)	0.0308	0.0218	0.00867		mg/Kg-dry	1	09/24/21 19:31:15
Tetrachloroethene (PCE)	ND	0.0435	0.00513		mg/Kg-dry	1	09/24/21 19:31:15
Surr: Dibromofluoromethane	94.9	75.5 - 119	0		%Rec	1	09/24/21 19:31:15
Surr: Toluene-d8	105	82.4 - 115	0		%Rec	1	09/24/21 19:31:15
Surr: 1-Bromo-4-fluorobenzene	98.2	78.5 - 118	0		%Rec	1	09/24/21 19:31:15
Sample Moisture (Percent Moisture)				Batch ID: R70190			Analyst: ALB
Percent Moisture	6.76	0.500	0.100		wt%	1	09/28/21 13:59:31

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-037
Client Sample ID: **A1-BOT18:4**

Collection Date: 9/21/2021 4:45:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33823			Analyst: KT
Vinyl chloride	ND	0.0276	0.0111		mg/Kg-dry	1	09/24/21 20:02:17
Trichloroethene (TCE)	0.116	0.0221	0.00880		mg/Kg-dry	1	09/24/21 20:02:17
Tetrachloroethene (PCE)	ND	0.0441	0.00520		mg/Kg-dry	1	09/24/21 20:02:17
Surr: Dibromofluoromethane	98.2	75.5 - 119	0		%Rec	1	09/24/21 20:02:17
Surr: Toluene-d8	106	82.4 - 115	0		%Rec	1	09/24/21 20:02:17
Surr: 1-Bromo-4-fluorobenzene	99.2	78.5 - 118	0		%Rec	1	09/24/21 20:02:17
Sample Moisture (Percent Moisture)				Batch ID: R70190			Analyst: ALB
Percent Moisture	16.3	0.500	0.100		wt%	1	09/28/21 13:59:31

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-038
Client Sample ID: **A1-BOT100:4**

Collection Date: 9/21/2021 5:00:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33823			Analyst: KT
Vinyl chloride	ND	0.0308	0.0124		mg/Kg-dry	1	09/24/21 20:33:13
Trichloroethene (TCE)	0.0727	0.0247	0.00983		mg/Kg-dry	1	09/24/21 20:33:13
Tetrachloroethene (PCE)	ND	0.0493	0.00581		mg/Kg-dry	1	09/24/21 20:33:13
Surr: Dibromofluoromethane	95.6	75.5 - 119	0		%Rec	1	09/24/21 20:33:13
Surr: Toluene-d8	104	82.4 - 115	0		%Rec	1	09/24/21 20:33:13
Surr: 1-Bromo-4-fluorobenzene	96.8	78.5 - 118	0		%Rec	1	09/24/21 20:33:13
Sample Moisture (Percent Moisture)				Batch ID: R70190			Analyst: ALB
Percent Moisture	14.1	0.500	0.100		wt%	1	09/28/21 13:59:31

Analytical Report

Work Order: **2109340**
Date Reported: **9/29/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109340-039
Client Sample ID: **TRIP-20210921**

Collection Date: 9/21/2021 5:00:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33823			Analyst: KT
Vinyl chloride	ND	0.0250	0.0101		mg/Kg	1	09/24/21 15:53:23
Trichloroethene (TCE)	ND	0.0200	0.00797		mg/Kg	1	09/24/21 15:53:23
Tetrachloroethene (PCE)	ND	0.0400	0.00471		mg/Kg	1	09/24/21 15:53:23
Surr: Dibromofluoromethane	93.7	75.5 - 119	0		%Rec	1	09/24/21 15:53:23
Surr: Toluene-d8	104	82.4 - 115	0		%Rec	1	09/24/21 15:53:23
Surr: 1-Bromo-4-fluorobenzene	98.6	78.5 - 118	0		%Rec	1	09/24/21 15:53:23

Work Order: 2109340
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **9/22/2021**	RunNo: **70082**
Client ID: **ICB**	Batch ID: **33803**		Analysis Date: **9/22/2021**	SeqNo: **1421230**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	23.5		25.00		94.1	63.7	129				
Surr: Toluene-d8	25.1		25.00		101	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	24.1		25.00		96.2	63.1	141				

Sample ID: **ICV VOC SOIL 25964**	SampType: **ICV**	Units: **µg/L**	Prep Date: **9/22/2021**	RunNo: **70082**
Client ID: **ICV**	Batch ID: **33803**		Analysis Date: **9/22/2021**	SeqNo: **1421231**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	21.1	0.0250	20.00	0	105	70	130				
Trichloroethene (TCE)	21.0	0.0200	20.00	0	105	70	130				
Tetrachloroethene (PCE)	21.0	0.0400	20.00	0	105	70	130				
Surr: Dibromofluoromethane	25.8		25.00		103	63.7	129				
Surr: Toluene-d8	24.9		25.00		99.7	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	25.1		25.00		101	63.1	141				

Sample ID: **CCV-33803A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **9/23/2021**	RunNo: **70106**
Client ID: **CCV**	Batch ID: **33803**		Analysis Date: **9/23/2021**	SeqNo: **1421734**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	21.6	0.0250	20.00	0	108	80	120				
Trichloroethene (TCE)	20.1	0.0200	20.00	0	101	80	120				
Tetrachloroethene (PCE)	20.4	0.0400	20.00	0	102	80	120				
Surr: Dibromofluoromethane	26.2		25.00		105	80	120				
Surr: Toluene-d8	25.2		25.00		101	80	120				
Surr: 1-Bromo-4-fluorobenzene	25.0		25.00		100	80	120				

Work Order: 2109340
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-33803**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **9/23/2021**	RunNo: **70106**
Client ID: **LCSS**	Batch ID: **33803**		Analysis Date: **9/23/2021**	SeqNo: **1421756**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.08	0.0250	1.000	0	108	80	120				
Trichloroethene (TCE)	1.01	0.0200	1.000	0	101	80	120				
Tetrachloroethene (PCE)	1.02	0.0400	1.000	0	102	80	120				
Surr: Dibromofluoromethane	1.31		1.250		105	75.5	120				
Surr: Toluene-d8	1.26		1.250		101	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.25		1.250		100	78.5	120				

Sample ID: **MB-33803**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **9/23/2021**	RunNo: **70106**
Client ID: **MBLKS**	Batch ID: **33803**		Analysis Date: **9/23/2021**	SeqNo: **1421735**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.19		1.250		95.1	75.5	119				
Surr: Toluene-d8	1.27		1.250		101	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.25		1.250		99.6	78.5	118				

Sample ID: **2109340-010BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **9/23/2021**	RunNo: **70106**
Client ID: **A1-SIDE10:2**	Batch ID: **33803**		Analysis Date: **9/23/2021**	SeqNo: **1421746**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0292						0	0	30	
Trichloroethene (TCE)	0.855	0.0234						0.8499	0.618	30	
Tetrachloroethene (PCE)	ND	0.0468						0	0	30	
Surr: Dibromofluoromethane	1.41		1.462		96.5	75.5	119		0		
Surr: Toluene-d8	1.50		1.462		102	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.42		1.462		97.1	78.5	118		0		

Work Order: 2109340
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2109340-011BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/23/2021** RunNo: **70106**
Client ID: **A1-SIDE11:4** Batch ID: **33803** Analysis Date: **9/23/2021** SeqNo: **1421748**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0359						0	0	30	
Trichloroethene (TCE)	0.165	0.0288						0.1652	0.130	30	
Tetrachloroethene (PCE)	ND	0.0575						0	0	30	
Surr: Dibromofluoromethane	1.71		1.797		95.0	75.5	119		0		
Surr: Toluene-d8	1.84		1.797		102	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.73		1.797		96.2	78.5	118		0		

Sample ID: **2109340-016BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/23/2021** RunNo: **70106**
Client ID: **A1-SIDE16:4** Batch ID: **33803** Analysis Date: **9/23/2021** SeqNo: **1421754**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.43	0.0342	1.368	0	104	50.3	134				
Trichloroethene (TCE)	1.46	0.0274	1.368	0	106	78.9	132				
Tetrachloroethene (PCE)	1.45	0.0547	1.368	0	106	77.7	131				
Surr: Dibromofluoromethane	1.76		1.710		103	75.5	119				
Surr: Toluene-d8	1.74		1.710		102	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.69		1.710		98.7	78.5	118				

Sample ID: **CCV-33812A** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/23/2021** RunNo: **70107**
Client ID: **CCV** Batch ID: **33812** Analysis Date: **9/23/2021** SeqNo: **1422002**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	21.6	0.0250	20.00	0	108	80	120				
Trichloroethene (TCE)	20.6	0.0200	20.00	0	103	80	120				
Tetrachloroethene (PCE)	20.1	0.0400	20.00	0	101	80	120				
Surr: Dibromofluoromethane	26.7		25.00		107	80	120				
Surr: Toluene-d8	25.5		25.00		102	80	120				
Surr: 1-Bromo-4-fluorobenzene	23.9		25.00		95.8	80	120				

Work Order: 2109340
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-33812**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **9/23/2021**	RunNo: **70107**
Client ID: **LCSS**	Batch ID: **33812**		Analysis Date: **9/23/2021**	SeqNo: **1422029**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.08	0.0250	1.000	0	108	80	120				
Trichloroethene (TCE)	1.03	0.0200	1.000	0	103	80	120				
Tetrachloroethene (PCE)	1.01	0.0400	1.000	0	101	80	120				
Surr: Dibromofluoromethane	1.34		1.250		107	75.5	120				
Surr: Toluene-d8	1.28		1.250		102	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.20		1.250		95.8	78.5	120				

Sample ID: **MB-33812**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **9/23/2021**	RunNo: **70107**
Client ID: **MBLKS**	Batch ID: **33812**		Analysis Date: **9/24/2021**	SeqNo: **1422003**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.22		1.250		97.5	75.5	119				
Surr: Toluene-d8	1.28		1.250		103	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.9	78.5	118				

Sample ID: **2109340-028BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **9/23/2021**	RunNo: **70107**
Client ID: **A1-BOT9:4**	Batch ID: **33812**		Analysis Date: **9/24/2021**	SeqNo: **1422016**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0383						0	0	30	
Trichloroethene (TCE)	0.0626	0.0306						0.06500	3.75	30	
Tetrachloroethene (PCE)	0.0214	0.0613						0.02137	0.0430	30	J
Surr: Dibromofluoromethane	1.83		1.915		95.4	75.5	119		0		
Surr: Toluene-d8	2.04		1.915		106	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.74		1.915		90.8	78.5	118		0		

Work Order: 2109340
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2109340-029BDUP**	SampType: **DUP**			Units: **mg/Kg-dry**		Prep Date: **9/23/2021**		RunNo: **70107**			
Client ID: **A1-BOT10:4**	Batch ID: **33812**					Analysis Date: **9/24/2021**		SeqNo: **1422018**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0482						0	0	30	
Trichloroethene (TCE)	0.135	0.0385						0.1340	1.06	30	
Tetrachloroethene (PCE)	0.0189	0.0771						0.01811	4.42	30	J
Surr: Dibromofluoromethane	2.45		2.409		102	75.5	119		0		
Surr: Toluene-d8	2.53		2.409		105	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	2.40		2.409		99.6	78.5	118		0		

Sample ID: **2109340-030BMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **9/23/2021**		RunNo: **70107**			
Client ID: **A1-BOT11:4**	Batch ID: **33812**					Analysis Date: **9/24/2021**		SeqNo: **1422022**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.10	0.0286	1.144	0	96.1	50.3	134				
Trichloroethene (TCE)	1.29	0.0229	1.144	0.07420	106	78.9	132				
Tetrachloroethene (PCE)	1.15	0.0458	1.144	0	101	77.7	131				
Surr: Dibromofluoromethane	1.50		1.431		105	75.5	119				
Surr: Toluene-d8	1.49		1.431		104	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.46		1.431		102	78.5	118				

Sample ID: **CCV-33803C**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/24/2021**		RunNo: **70106**			
Client ID: **CCV**	Batch ID: **33803**					Analysis Date: **9/24/2021**		SeqNo: **1423048**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	22.6	0.0250	20.00	0	113	80	120				
Trichloroethene (TCE)	21.2	0.0200	20.00	0	106	80	120				
Tetrachloroethene (PCE)	20.0	0.0400	20.00	0	99.8	80	120				
Surr: Dibromofluoromethane	26.4		25.00		106	80	120				
Surr: Toluene-d8	25.7		25.00		103	80	120				
Surr: 1-Bromo-4-fluorobenzene	25.1		25.00		100	80	120				

Work Order: 2109340
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **CCV-33823A** SampType: **CCV** Units: **µg/L** Prep Date: **9/24/2021** RunNo: **70134**
Client ID: **CCV** Batch ID: **33823** Analysis Date: **9/24/2021** SeqNo: **1422575**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	22.6	0.0250	20.00	0	113	80	120				
Trichloroethene (TCE)	21.2	0.0200	20.00	0	106	80	120				
Tetrachloroethene (PCE)	20.0	0.0400	20.00	0	99.8	80	120				
Surr: Dibromofluoromethane	26.4		25.00		106	80	120				
Surr: Toluene-d8	25.7		25.00		103	80	120				
Surr: 1-Bromo-4-fluorobenzene	25.1		25.00		100	80	120				

Sample ID: **LCS-33823** SampType: **LCS** Units: **µg/L** Prep Date: **9/24/2021** RunNo: **70134**
Client ID: **LCSS** Batch ID: **33823** Analysis Date: **9/24/2021** SeqNo: **1422594**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.13	0.0250	1.000	0	113	80	120				
Trichloroethene (TCE)	1.06	0.0200	1.000	0	106	80	120				
Tetrachloroethene (PCE)	0.998	0.0400	1.000	0	99.8	80	120				
Surr: Dibromofluoromethane	1.32		1.250		106	75.5	120				
Surr: Toluene-d8	1.29		1.250		103	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.26		1.250		100	78.5	120				

Sample ID: **MB-33823** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/24/2021** RunNo: **70134**
Client ID: **MBLKS** Batch ID: **33823** Analysis Date: **9/24/2021** SeqNo: **1422576**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.24		1.250		99.6	75.5	119				
Surr: Toluene-d8	1.32		1.250		105	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.24		1.250		99.2	78.5	118				

Work Order: 2109340
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2109340-034BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/24/2021** RunNo: **70134**
Client ID: **A1-BOT15:4** Batch ID: **33823** Analysis Date: **9/24/2021** SeqNo: **1422580**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0557						0	0	30	
Trichloroethene (TCE)	0.0646	0.0446						0.06403	0.939	30	
Tetrachloroethene (PCE)	ND	0.0892						0	0	30	
Surr: Dibromofluoromethane	2.62		2.786		94.1	75.5	119		0		
Surr: Toluene-d8	2.91		2.786		104	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	2.71		2.786		97.2	78.5	118		0		

Sample ID: **2109340-038BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/24/2021** RunNo: **70134**
Client ID: **A1-BOT100:4** Batch ID: **33823** Analysis Date: **9/24/2021** SeqNo: **1422587**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.31	0.0308	1.233	0	106	50.3	134				
Trichloroethene (TCE)	1.43	0.0247	1.233	0.07269	110	78.9	132				
Tetrachloroethene (PCE)	1.31	0.0493	1.233	0	106	77.7	131				
Surr: Dibromofluoromethane	1.64		1.541		107	75.5	119				
Surr: Toluene-d8	1.62		1.541		105	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.55		1.541		101	78.5	118				

Sample ID: **CCV-33823B** SampType: **CCV** Units: **µg/L** Prep Date: **9/24/2021** RunNo: **70106**
Client ID: **CCV** Batch ID: **33803** Analysis Date: **9/24/2021** SeqNo: **1423051**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	20.7	0.0250	20.00	0	104	80	120				
Trichloroethene (TCE)	21.3	0.0200	20.00	0	107	80	120				
Tetrachloroethene (PCE)	20.3	0.0400	20.00	0	101	80	120				
Surr: Dibromofluoromethane	27.0		25.00		108	80	120				
Surr: Toluene-d8	26.2		25.00		105	80	120				
Surr: 1-Bromo-4-fluorobenzene	24.4		25.00		97.8	80	120				

Work Order: 2109340
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **CCV-33823B** SampType: **CCV** Units: **µg/L** Prep Date: **9/24/2021** RunNo: **70134**
Client ID: **CCV** Batch ID: **33823** Analysis Date: **9/24/2021** SeqNo: **1422588**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	20.7	0.0250	20.00	0	104	80	120				
Trichloroethene (TCE)	21.3	0.0200	20.00	0	107	80	120				
Tetrachloroethene (PCE)	20.3	0.0400	20.00	0	101	80	120				
Surr: Dibromofluoromethane	27.0		25.00		108	80	120				
Surr: Toluene-d8	26.2		25.00		105	80	120				
Surr: 1-Bromo-4-fluorobenzene	24.4		25.00		97.8	80	120				

Sample ID: **2109407-003BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/24/2021** RunNo: **70134**
Client ID: **BATCH** Batch ID: **33823** Analysis Date: **9/25/2021** SeqNo: **1422592**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0178						0	0	30	
Trichloroethene (TCE)	ND	0.0143						0	0	30	
Tetrachloroethene (PCE)	ND	0.0285						0	0	30	
Surr: Dibromofluoromethane	0.907		0.8917		102	75.5	119		0		
Surr: Toluene-d8	0.952		0.8917		107	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	0.884		0.8917		99.1	78.5	118		0		

Sample Log-In Check List

Client Name:	**SW**	Work Order Number:	**2109340**
Logged by:	**Clare Griggs**	Date Received:	**9/22/2021 8:06:00 AM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >2°C to 6°C *	Yes ☑	No ☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample	3.4

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9/21/21 Page: 1 of: 4

Laboratory Project No (internal): 2109340

Special Remarks: Refer to project methods and analytes list.

Project Name: 881 - Excavation

Project No: 103485-008

Collected by: JXS / RBP

Location: Tukwila, WA

Report To (PM): Ryan Peterson

PM Email: RBP@shanwil.com

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Client: Shannon & Wilson

Address: 400 N. 34th St, Suite 100

City, State, Zip: Seattle, WA 98103

Telephone:

Fax:

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Hydrs: PCE, TCE, vinyl chloride				Comments
1	A1-SIDE1:2	9/21	1406	S	3												X					
2	A1-SIDE2:3		1415														X					
3	A1-SIDE3:4		1435														X					
4	A1-SIDE4:2		1223														X					
5	A1-SIDE5:1		1227														X					
6	A1-SIDE6:3		1234														X					
7	A1-SIDE7:2		1244														X					
8	A1-SIDE8:1		1258														X					
9	A1-SIDE9:3.5		1257														X					
10	A1-SIDE10:2		1303														X					

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual*: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Ryan Peterson	9/21/21 1618	x Alex Trejo	Alex Trejo	9/22/21 8:06
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 9/21/21 Page: 2 of: 4

Laboratory Project No (internal): 2109340

Special Remarks:

Project Name: 8801-Excavations

Project No: 103485-008

Collected by: JXS/RBF

Location: Tukwila, WA

Report To (PM): Ryan Peterson

PM Email: RBP@shanwil.com

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Client: Shannon & Wilson

Address: 400 N. 34th St., Suite 100

City, State, Zip: Seattle, WA 98103

Telephone:

Fax:

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)**	EDB (8011)	HVOCs: TCE, PCE, vinyl chloride				Comments
1	A1-SIDE11:4	9/21	1310	S	3												X					
2	A1-SIDE12:1		1315														X					
3	A1-SIDE13:2		1320														X					
4	A1-SIDE14:3		1325														X					
5	A1-SIDE15:1.5		1330														X					
6	A1-SIDE16:4		1350														X					
7	A1-SIDE17:2		1355														X					
8	A1-SIDE18:1		1400														X					
9	A1-SIDE100:3		1700														X					
10																						

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day ☐ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Ryan Peterson	9/21/21 1618	x Alex Trejo	Alex Trejo	9/22/21 8:06
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Page 36 of 142

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 9/21/21 Page: 3 of: 4

Laboratory Project No (internal): 2109340

Project Name: 880 - Excavations

Special Remarks:

Project No: 103485-008

Client: Shannon & Wilson

Collected by: RBP

Address: 400 N. 34th St, Suite 100

Location: Tukwila, WA

City, State, Zip: Seattle, WA 98103

Report To (PM): Ryan Peterson

Telephone:

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax:

PM Email: RBP@shanwil.com

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	HVOCs: TCE, PCE, vinyl chloride				Comments
1	A1-BOT1:4	9/21/21	1446	S	3											X					
2	~~A1-BOT1~~ A1-BOT2:4		1450													X					
3	A1-BOT3:4		1456													X					
4	A1-BOT4:4		1500													X					
5	A1-BOT5:4		1508													X					
6	A1-BOT6:4		1510													X					
7	A1-BOT7:4		1516													X					
8	A1-BOT8:4		1520													X					
9	A1-BOT9:4		1526													X					
10	A1-BOT10:4		1530													X					

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day ☐ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Ryan Peterson	9/21/21 1618	x Alex Trejo	Alex Trejo	9/22/21 8:06
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Page 37 of 142

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9/21/21 Page: 4 of: 4

Laboratory Project No (internal): 2109340

Project Name: 881 - Excavations

Special Remarks:

Client: Shannon & Wilson

Project No: 103485-008

Address: 400 N. 34th St, Suite 100

Collected by: RSP

City, State, Zip: Seattle, WA 98103

Location: Tukwila, WA

Telephone:

Report To (PM): Ryan Peterson

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax:

PM Email: RSP@shanwil.com

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	HVOCs: PCE, TCE, vinyl chloride	Comments
1	A1-BOT11:4	9/21/21	1600	S	3											X		
2	A1-BOT12:4		1605													X		
3	A1-BOT13:4		1610													X		
4	A1-BOT14:4		1615													X		
5	A1-BOT15:4		1620													X		
6	A1-BOT16:4		1635													X		
7	A1-BOT17:4		1640													X		
8	A1-BOT18:4		1645													X		
9	A1-BOT100:4		~~1650~~ 1700													X		
10	TRIP-20210921		1700	TMP	3											X		one cooler, one trip blank

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day ____ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	RYAN PETERSON	9/21/21 1608	x Alex Trejo	Alex Trejo	9/22/21 8:06
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

DATA SET for Review -- Deliverable Requirements

Volatile Organic Compounds by EPA Method 8260D

Fremont Analytical Work Order No. 2109340

Shannon & Wilson

Project Name: 8801 - Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Injection Log

Data Directory: D:\GC-9\DATA\092221\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 092201.D	8260.M			
CLEANOUT MeOH	O-VOC-S	22	1.000	22 Sep 2021 12:33 pm
2) 092202.D	8260.M			
VOC SOIL CAL1 25907	O-VOC-S	23	1.000	22 Sep 2021 01:04 pm
3) 092203.D	8260.M			
VOC SOIL CAL2	O-VOC-S	24	1.000	22 Sep 2021 01:35 pm
4) 092204.D	8260.M			
VOC SOIL CAL3	O-VOC-S	25	1.000	22 Sep 2021 02:06 pm
5) 092205.D	8260.M			
VOC SOIL CAL4	O-VOC-S	26	1.000	22 Sep 2021 02:37 pm
6) 092206.D	8260.M			
VOC SOIL CAL5	O-VOC-S	27	1.000	22 Sep 2021 03:08 pm
7) 092207.D	8260.M			
VOC SOIL CAL6	O-VOC-S	28	1.000	22 Sep 2021 03:39 pm
8) 092208.D	8260.M			
VOC SOIL CAL7	O-VOC-S	29	1.000	22 Sep 2021 04:10 pm
9) 092209.D	8260.M			
VOC SOIL CAL8	O-VOC-S	30	1.000	22 Sep 2021 04:41 pm
10) 092210.D	8260.M			
CLEANOUT	O-VOC-S	22	1.000	22 Sep 2021 05:12 pm
11) 092211.D	8260.M			
ICB	O-VOC-S	31	1.000	22 Sep 2021 05:43 pm
12) 092212.D	8260.M			
ICV VOC SOIL 25964	O-VOC-S	32	1.000	22 Sep 2021 06:14 pm
13) 092213.D	8260.M			
CCV-33793A_LCS-337..	O-VOC-S	33	1.000	22 Sep 2021 06:45 pm
14) 092214.D	8260.M			
CLEANOUT	O-VOC-S	34	1.000	22 Sep 2021 07:16 pm
15) 092215.D	8260.M			
MB-33793	O-VOC-S	35	1.000	22 Sep 2021 07:47 pm
16) 092216.D	8260.M			
2109358-003A	O-VOC-S	36	1.000	22 Sep 2021 08:18 pm
17) 092217.D	8260.M			
2109358-001B	O-VOC-S	37	1.000	22 Sep 2021 08:49 pm
18) 092218.D	8260.M			
2109358-002B	O-VOC-S	38	1.000	22 Sep 2021 09:20 pm
19) 092219.D	8260.M			
2109358-002BMS VOC	O-VOC-S	39	1.000	22 Sep 2021 09:51 pm
20) 092220.D	8260.M			
CCV-33793B_LCSD-33..	O-VOC-S	40	1.000	22 Sep 2021 10:22 pm

Injection Log

Data Directory: D:\GC-9\DATA\092321\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	092301.D	8260.M			
CLEANOUT MeOH		O-VOC-S	1	1.000	23 Sep 2021 11:54 am
2)	092302.D	8260.M			
CCV-33803A_LCS-338..		O-VOC-S	2	1.000	23 Sep 2021 12:25 pm
3)	092303.D	8260.M			
CLEANOUT		O-VOC-S	1	1.000	23 Sep 2021 12:57 pm
4)	092304.D	8260.M			
MB-33803		O-VOC-S	3	1.000	23 Sep 2021 01:28 pm
5)	092305.D	8260.M			
2109340-001B		O-VOC-S	4	1.000	23 Sep 2021 01:59 pm
6)	092306.D	8260.M			
2109340-002B		O-VOC-S	5	1.000	23 Sep 2021 02:30 pm
7)	092307.D	8260.M			
2109340-003B		O-VOC-S	6	1.000	23 Sep 2021 03:01 pm
8)	092308.D	8260.M			
2109340-004B		O-VOC-S	7	1.000	23 Sep 2021 03:32 pm
9)	092309.D	8260.M			
2109340-005B		O-VOC-S	8	1.000	23 Sep 2021 04:03 pm
10)	092310.D	8260.M			
2109340-006B		O-VOC-S	9	1.000	23 Sep 2021 04:35 pm
11)	092311.D	8260.M			
2109340-007B		O-VOC-S	10	1.000	23 Sep 2021 05:06 pm
12)	092312.D	8260.M			
2109340-008B		O-VOC-S	11	1.000	23 Sep 2021 05:37 pm
13)	092313.D	8260.M			
2109340-009B		O-VOC-S	12	1.000	23 Sep 2021 06:08 pm
14)	092314.D	8260.M			
2109340-010B		O-VOC-S	13	1.000	23 Sep 2021 06:39 pm
15)	092315.D	8260.M			
2109340-010BDUP		O-VOC-S	14	1.000	23 Sep 2021 07:10 pm
16)	092316.D	8260.M			
2109340-011B		O-VOC-S	15	1.000	23 Sep 2021 07:41 pm
17)	092317.D	8260.M			
2109340-011BDUP		O-VOC-S	16	1.000	23 Sep 2021 08:12 pm
18)	092318.D	8260.M			
2109340-012B		O-VOC-S	17	1.000	23 Sep 2021 08:43 pm
19)	092319.D	8260.M			
2109340-013B		O-VOC-S	18	1.000	23 Sep 2021 09:14 pm
20)	092320.D	8260.M			
2109340-014B		O-VOC-S	19	1.000	23 Sep 2021 09:45 pm
21)	092321.D	8260.M			
2109340-015B		O-VOC-S	20	1.000	23 Sep 2021 10:16 pm

22) 092322.D 8260.M
2109340-016B O-VOC-S 21 1.000 23 Sep 2021 10:47 pm
---
23) 092323.D 8260.M
2109340-016BMS VOC O-VOC-S 22 1.000 23 Sep 2021 11:18 pm
---
24) 092324.D 8260.M
CCV-33803B_LCS-338.. O-VOC-S 23 1.000 23 Sep 2021 11:49 pm
---
25) 092325.D 8260.M
CLEANOUT MEOH O-VOC-S 24 1.000 24 Sep 2021 12:20 am
---
26) 092326.D 8260.M
MB-33812 O-VOC-S 25 1.000 24 Sep 2021 12:51 am
---
27) 092327.D 8260.M
2109340-017B O-VOC-S 26 1.000 24 Sep 2021 01:22 am
---
28) 092328.D 8260.M
2109340-018B O-VOC-S 27 1.000 24 Sep 2021 01:53 am
---
29) 092329.D 8260.M
2109340-019B O-VOC-S 28 1.000 24 Sep 2021 02:24 am
---
30) 092330.D 8260.M
2109340-020B O-VOC-S 29 1.000 24 Sep 2021 02:54 am
---
31) 092331.D 8260.M
2109340-021B O-VOC-S 30 1.000 24 Sep 2021 03:25 am
---
32) 092332.D 8260.M
2109340-022B O-VOC-S 31 1.000 24 Sep 2021 03:56 am
---
33) 092333.D 8260.M
2109340-023B O-VOC-S 32 1.000 24 Sep 2021 04:27 am
---
34) 092334.D 8260.M
2109340-024B O-VOC-S 33 1.000 24 Sep 2021 04:58 am
---
35) 092335.D 8260.M
2109340-025B O-VOC-S 34 1.000 24 Sep 2021 05:29 am
---
36) 092336.D 8260.M
2109340-026B O-VOC-S 35 1.000 24 Sep 2021 06:00 am
---
37) 092337.D 8260.M
2109340-027B O-VOC-S 36 1.000 24 Sep 2021 06:31 am
---
38) 092338.D 8260.M
2109340-028B O-VOC-S 37 1.000 24 Sep 2021 07:02 am
---
39) 092339.D 8260.M
2109340-028BDUP O-VOC-S 38 1.000 24 Sep 2021 07:33 am
---
40) 092340.D 8260.M
2109340-029B O-VOC-S 39 1.000 24 Sep 2021 08:04 am
---
41) 092341.D 8260.M
2109340-029BDUP O-VOC-S 40 1.000 24 Sep 2021 08:35 am
---
42) 092342.D 8260.M
2109340-030B O-VOC-S 41 1.000 24 Sep 2021 09:05 am
---
43) 092343.D 8260.M
2109340-031B O-VOC-S 42 1.000 24 Sep 2021 09:37 am
---
44) 092344.D 8260.M
2109340-032B O-VOC-S 43 1.000 24 Sep 2021 10:08 am
---
45) 092345.D 8260.M

2109340-030BMS VOC O-VOC-S 44 1.000 24 Sep 2021 10:39 am

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46) 092346.D 8260.M

CCV-33812B VOC O-VOC-S 45 1.000 24 Sep 2021 11:10 am

Injection Log

Data Directory: D:\GC-9\DATA\092421\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	092346.D	8260.M			
	CCV-33812B VOC	O-VOC-S	45	1.000	24 Sep 2021 11:10 am
2)	092401.D	8260.M			
	CCV-33823A GX	O-VOC-GX-S	1	1.000	24 Sep 2021 01:48 pm
3)	092402.D	8260.M			
	LCS-33823 GX	O-VOC-GX-S	2	1.000	24 Sep 2021 02:19 pm
4)	092403.D	8260.M			
	CLEANOUT MeOH	O-VOC-S	3	1.000	24 Sep 2021 02:50 pm
5)	092404.D	8260.M			
	MB-33823	O-VOC-S	4	1.000	24 Sep 2021 03:22 pm
6)	092405.D	8260.M			
	2109340-039A	O-VOC-S	5	1.000	24 Sep 2021 03:53 pm
7)	092406.D	8260.M			
	2109340-006B RR P3..	O-VOC-S	6	1.000	24 Sep 2021 04:24 pm
8)	092407.D	8260.M			
	2109340-005B 10X P..	O-VOC-S	7	1.000	24 Sep 2021 04:55 pm
9)	092408.D	8260.M			
	2109340-033B	O-VOC-S	8	1.000	24 Sep 2021 05:26 pm
10)	092409.D	8260.M			
	2109340-034B	O-VOC-S	9	1.000	24 Sep 2021 05:58 pm
11)	092410.D	8260.M			
	2109340-034BDUP	O-VOC-S	10	1.000	24 Sep 2021 06:29 pm
12)	092411.D	8260.M			
	2109340-035B	O-VOC-S	11	1.000	24 Sep 2021 07:00 pm
13)	092412.D	8260.M			
	2109340-036B	O-VOC-S	12	1.000	24 Sep 2021 07:31 pm
14)	092413.D	8260.M			
	2109340-037B	O-VOC-S	13	1.000	24 Sep 2021 08:02 pm
15)	092414.D	8260.M			
	2109340-038B	O-VOC-S	14	1.000	24 Sep 2021 08:33 pm
16)	092415.D	8260.M			
	2109396-001B	O-VOC-S	15	1.000	24 Sep 2021 09:04 pm
17)	092416.D	8260.M			
	2109396-002B	O-VOC-S	16	1.000	24 Sep 2021 09:35 pm
18)	092417.D	8260.M			
	2109340-038BMS VOC	O-VOC-S	17	1.000	24 Sep 2021 10:06 pm
19)	092418.D	8260.M			
	2109396-002BMS GX	O-VOC-GX-S	18	1.000	24 Sep 2021 10:37 pm
20)	092420.D	8260.M			
	CCV-33823B VOC	O-VOC-S	19	1.000	24 Sep 2021 11:08 pm
21)	092421.D	8260.M			
	CCV-33823B GX	O-VOC-GX-S	20	1.000	24 Sep 2021 11:39 pm

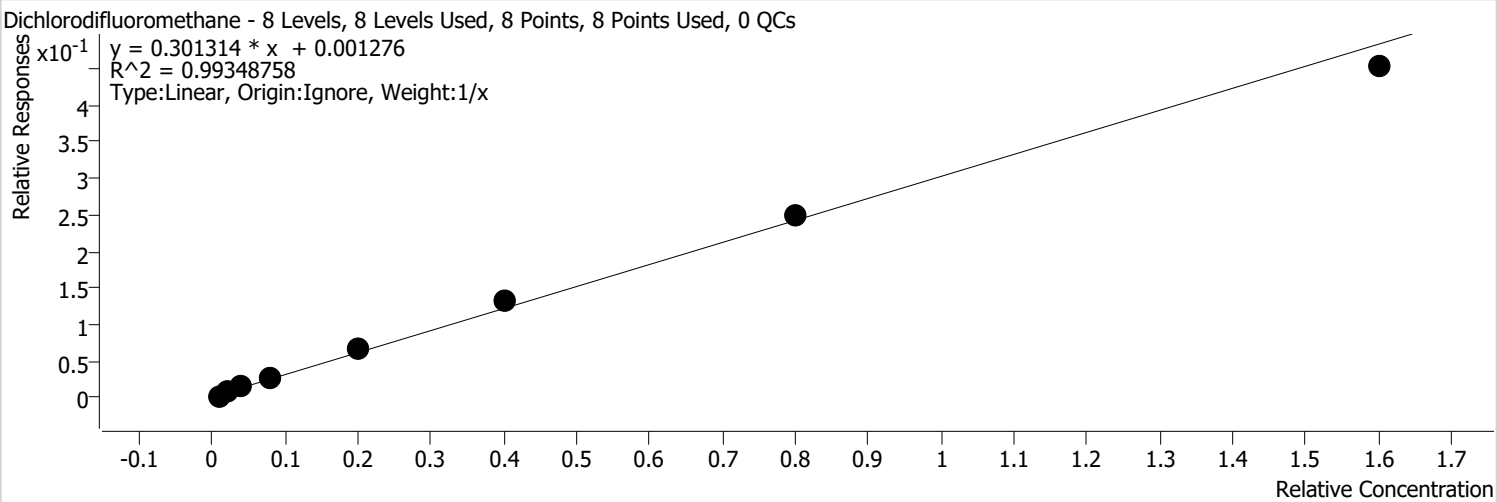
22) 092422.D		8260.M				
CLEANOUT	O-VOC-S		3	1.000	25 Sep 2021	12:10 am
23) 092423.D		8260.M				
2109407-002A TB	O-VOC-S		21	1.000	25 Sep 2021	12:41 am
24) 092424.D		8260.M				
2109407-001B	O-VOC-S		22	1.000	25 Sep 2021	01:12 am
25) 092425.D		8260.M				
2109407-003B	O-VOC-S		23	1.000	25 Sep 2021	01:43 am
26) 092426.D		8260.M				
2109407-003BDUP	O-VOC-S		24	1.000	25 Sep 2021	02:14 am
27) 092427.D		8260.M				
CCV-33823C	O-VOC-S		25	1.000	25 Sep 2021	02:45 am
28) 092428.D		8260.M				
CCV-33823C GX	O-VOC-GX-S		26	1.000	25 Sep 2021	03:16 am

Calibration

Calibration Report

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:05 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

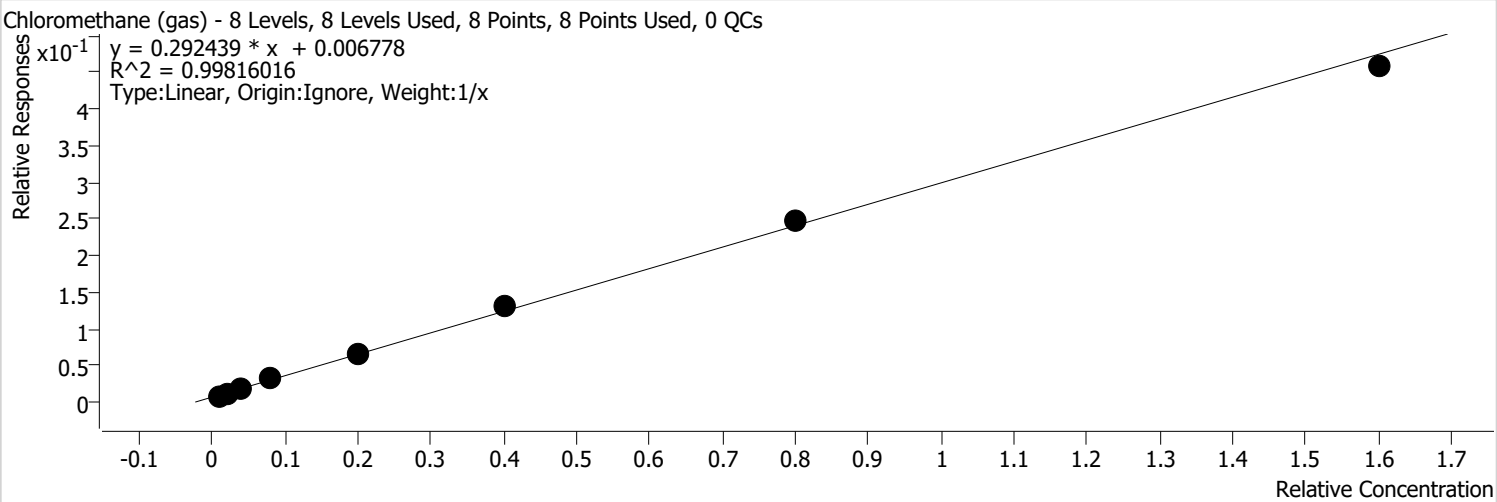
Dichlorodifluoromethane %RSE = 23.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	20255	0.2000	0.3119	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	57419	0.5000	0.3601	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	127261	1.0000	0.3969	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	230947	2.0000	0.3522	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	562628	5.0000	0.3432	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1112408	10.0000	0.3336	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	2165597	20.0000	0.3130	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	3963986	40.0000	0.2828	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:06 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Chloromethane (gas) %RSE = 10.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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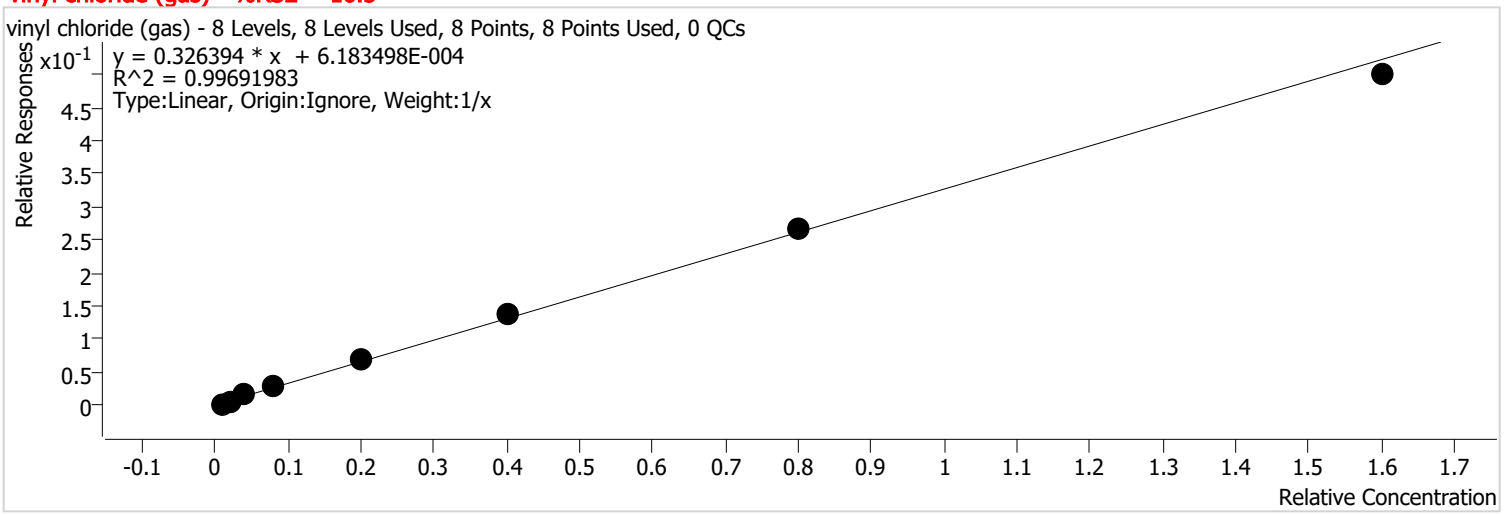
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	102289	0.5000	0.6415	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	151090	1.0000	0.4712	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	263004	2.0000	0.4010	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	547076	5.0000	0.3337	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1089486	10.0000	0.3267	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	2139240	20.0000	0.3092	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	4009171	40.0000	0.2861	

Calibration Report

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:06 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

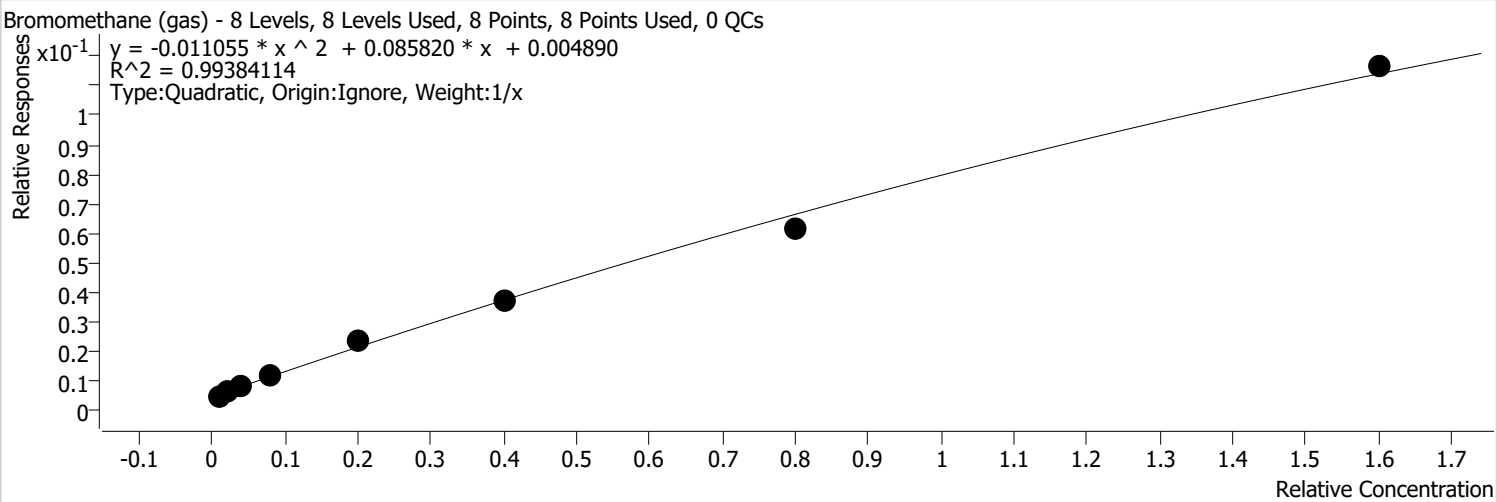
vinyl chloride (gas) %RSE = 16.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	18899	0.2000	0.2910	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	56011	0.5000	0.3513	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	125969	1.0000	0.3928	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	239001	2.0000	0.3644	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	576576	5.0000	0.3517	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1165130	10.0000	0.3494	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	2319413	20.0000	0.3352	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	4379193	40.0000	0.3125	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:06 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

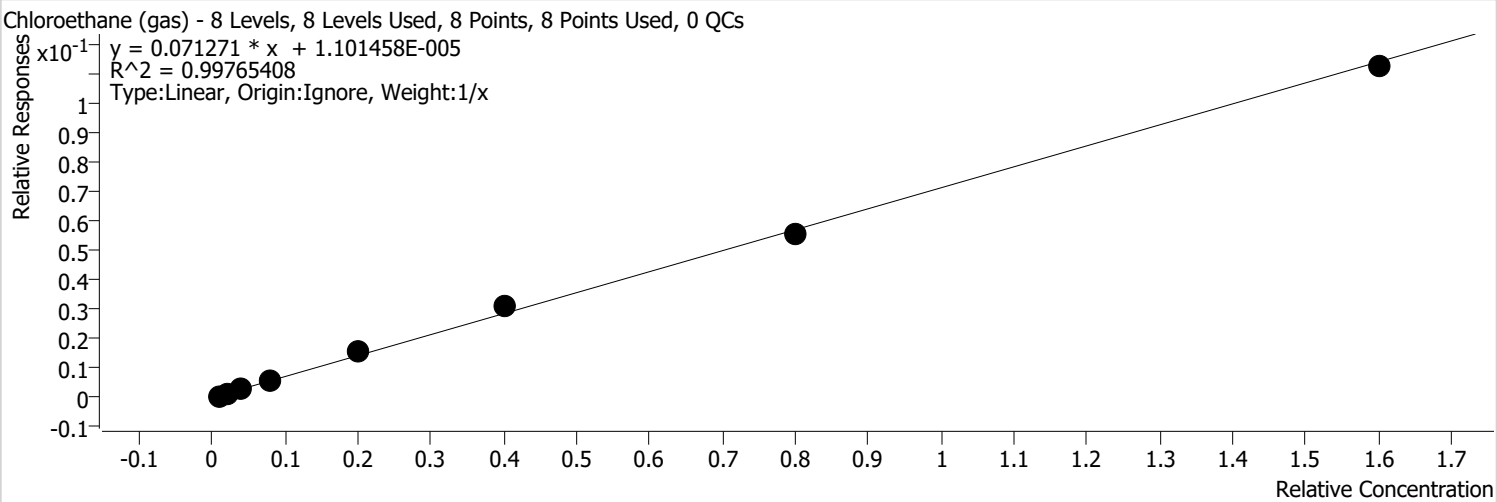
Bromomethane (gas) %RSE = 29.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	42181	0.2000	0.6496	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	55899	0.5000	0.3506	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	71567	1.0000	0.2232	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	101057	2.0000	0.1541	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	192027	5.0000	0.1171	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	309604	10.0000	0.0928	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	529985	20.0000	0.0766	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	1018671	40.0000	0.0727	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:06 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

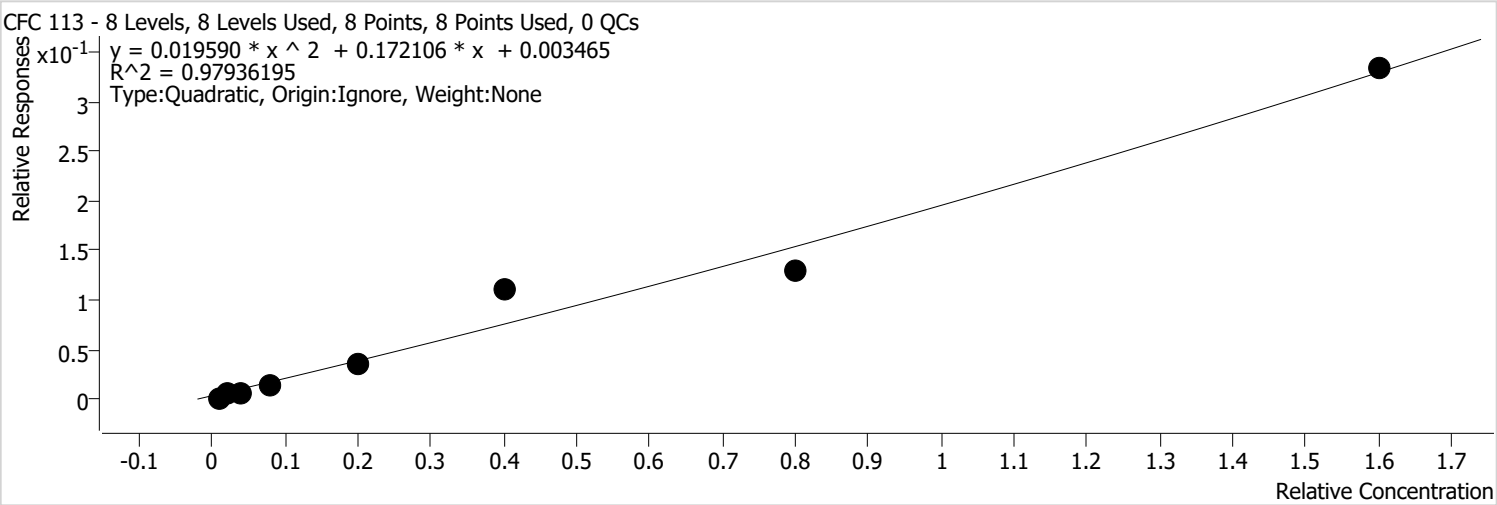
Chloroethane (gas) %RSE = 7.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	4934	0.2000	0.0760	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	10414	0.5000	0.0653	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	22628	1.0000	0.0706	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	43486	2.0000	0.0663	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	125659	5.0000	0.0767	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	261425	10.0000	0.0784	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	478469	20.0000	0.0692	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	984545	40.0000	0.0703	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

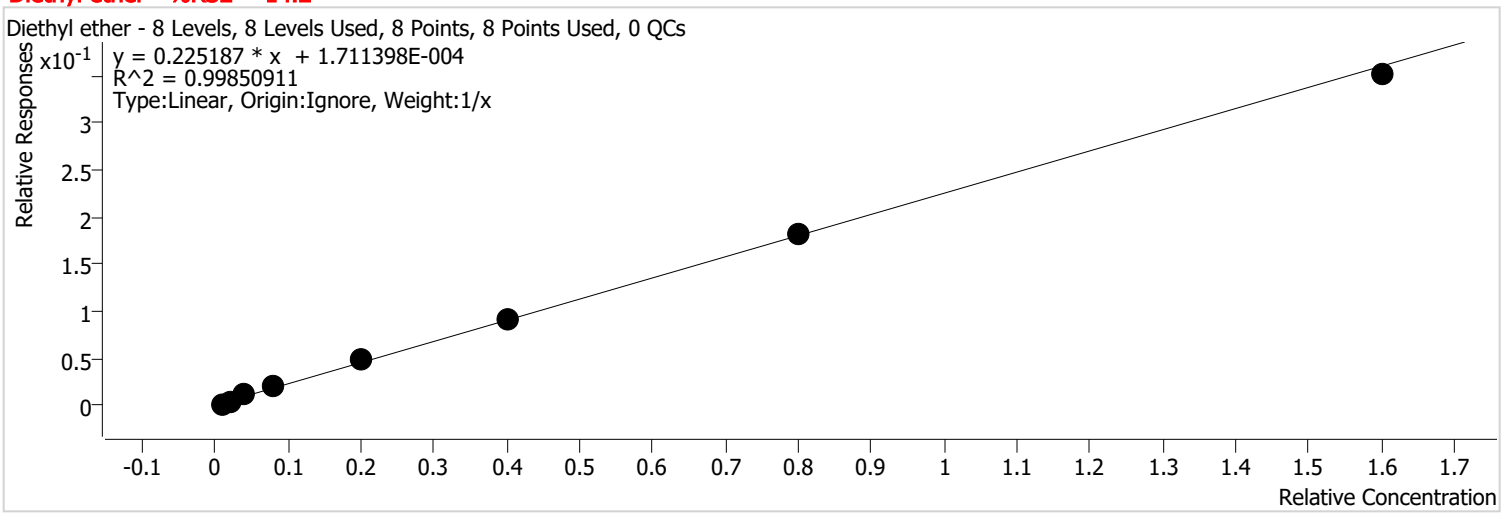
CFC 113 %RSE = 61.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	11048	0.2000	0.1701	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	38461	0.5000	0.2412	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	56715	1.0000	0.1769	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	117643	2.0000	0.1794	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	290429	5.0000	0.1772	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	922560	10.0000	0.2766	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	1122349	20.0000	0.1622	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	2915258	40.0000	0.2080	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

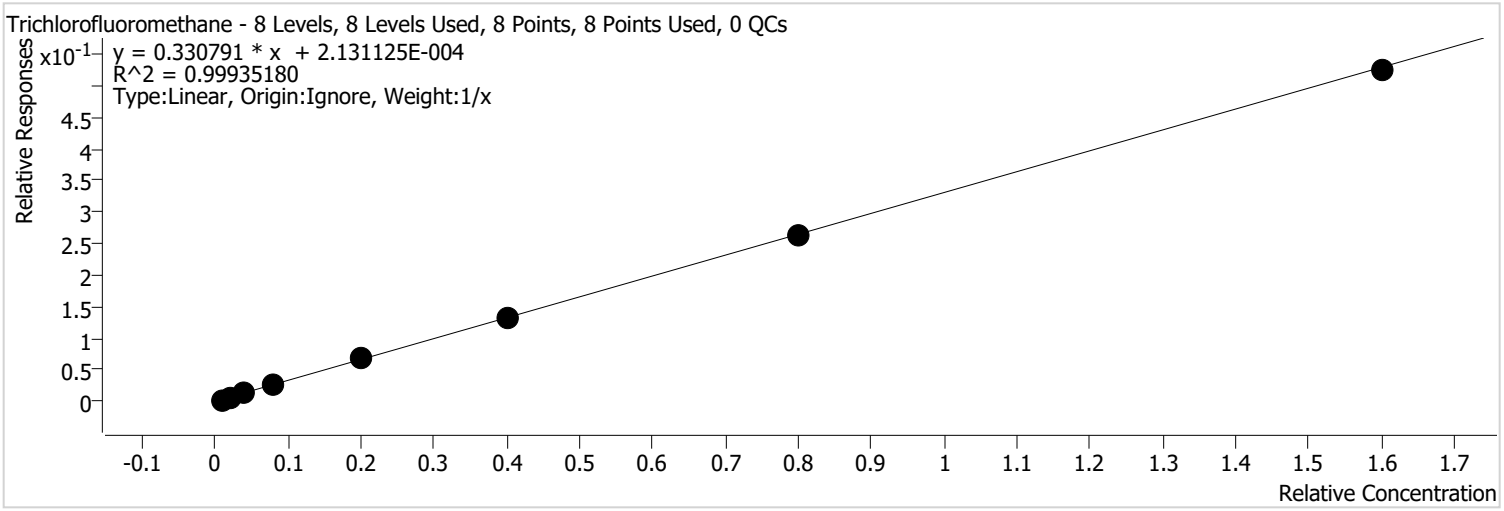
Diethyl ether %RSE = 14.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	11699	0.2000	0.1802	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	37034	0.5000	0.2323	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	84532	1.0000	0.2636	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	160141	2.0000	0.2442	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	394352	5.0000	0.2406	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	772449	10.0000	0.2316	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	1573910	20.0000	0.2275	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	3077611	40.0000	0.2196	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

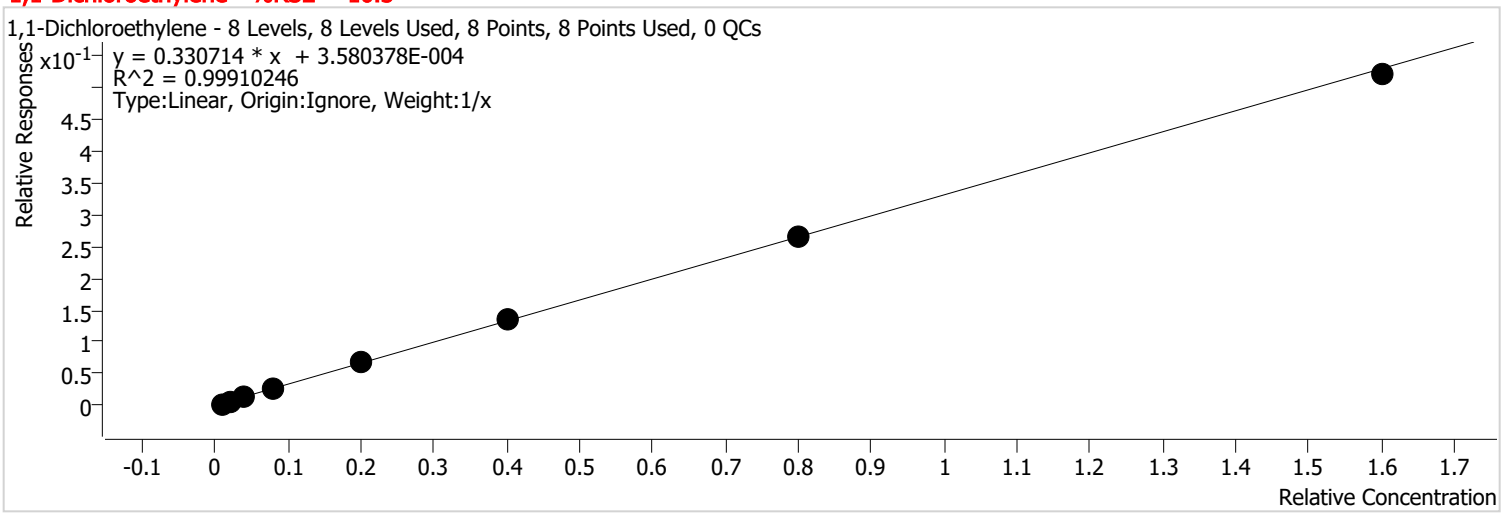
Trichlorofluoromethane %RSE = 9.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	19973	0.2000	0.3076	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	51396	0.5000	0.3224	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	123693	1.0000	0.3857	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	221571	2.0000	0.3379	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	571320	5.0000	0.3485	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1111423	10.0000	0.3333	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	2289195	20.0000	0.3308	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	4589707	40.0000	0.3275	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

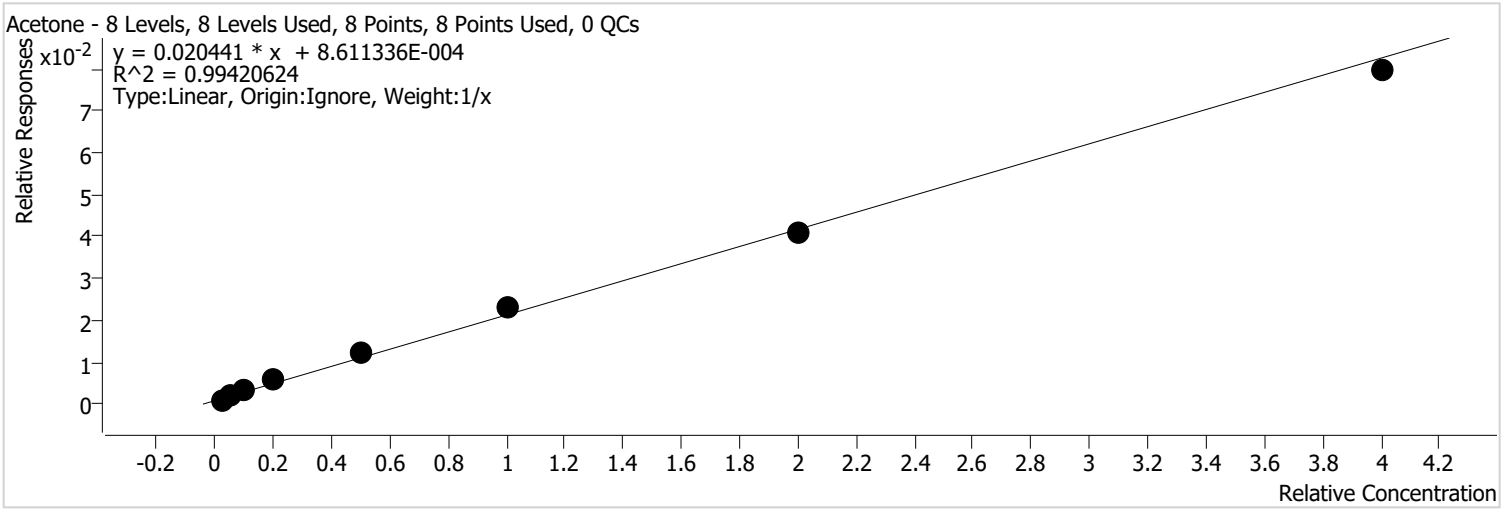
1,1-Dichloroethylene %RSE = 10.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	20599	0.2000	0.3172	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	52496	0.5000	0.3293	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	125992	1.0000	0.3929	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	223203	2.0000	0.3404	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	571273	5.0000	0.3485	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1128633	10.0000	0.3384	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	2307978	20.0000	0.3336	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	4554534	40.0000	0.3250	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

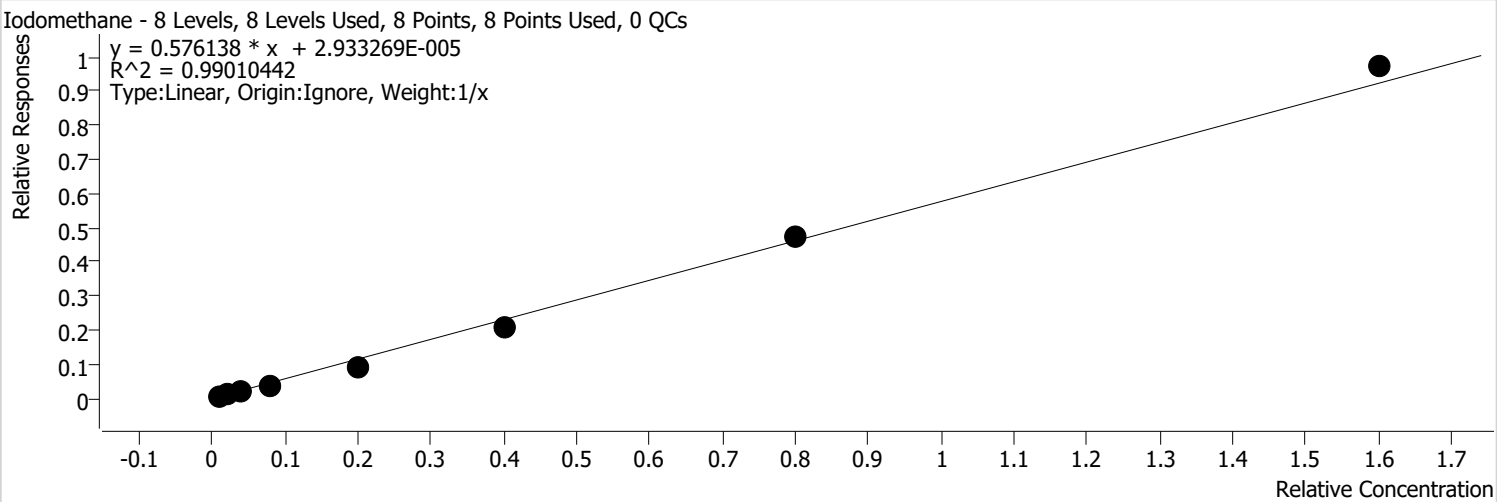
Acetone %RSE = 26.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	8485	0.5000	0.0523	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	14627	1.2500	0.0367	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	27557	2.5000	0.0344	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	46663	5.0000	0.0285	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	102365	12.5000	0.0250	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	190831	25.0000	0.0229	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	352825	50.0000	0.0204	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	697040	100.0000	0.0199	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

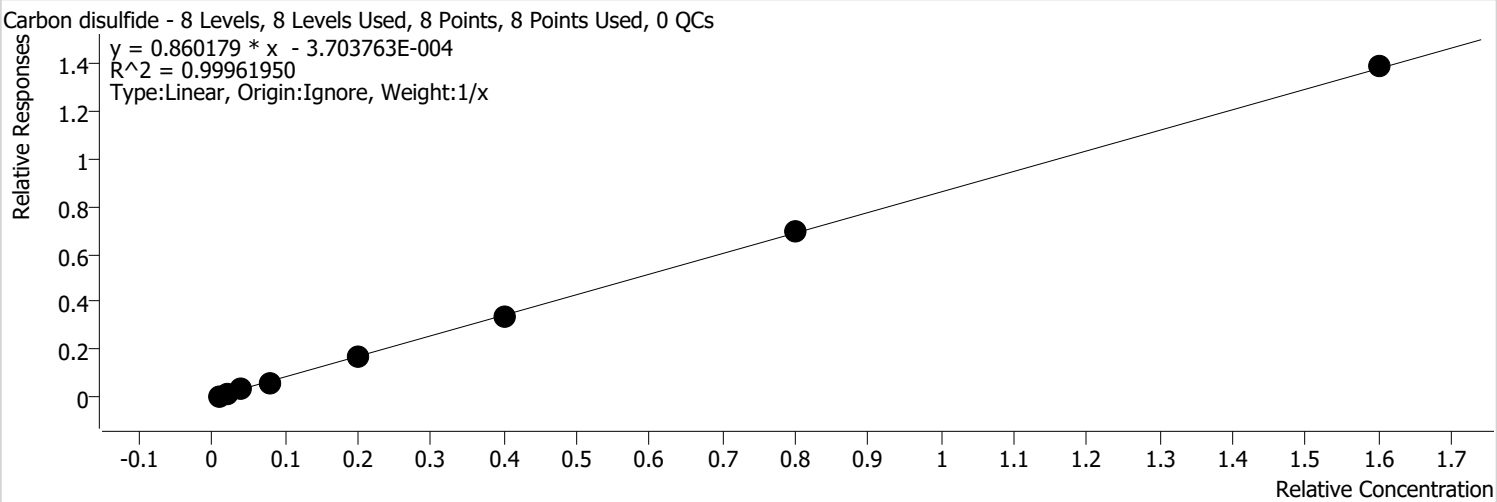
Iodomethane %RSE = 32.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	63528	0.2000	0.9783	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	90082	0.5000	0.5650	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	153402	1.0000	0.4784	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	279168	2.0000	0.4257	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	732181	5.0000	0.4466	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1752518	10.0000	0.5255	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	4080515	20.0000	0.5897	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	8498928	40.0000	0.6064	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

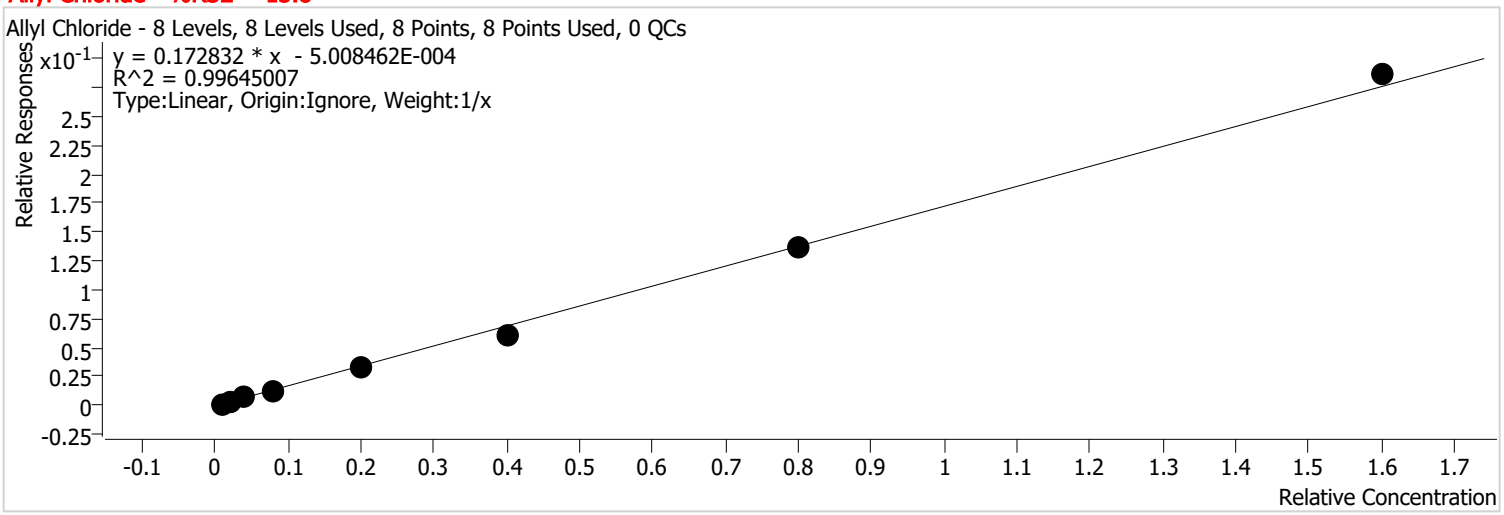
Carbon disulfide %RSE = 4.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	53340	0.2000	0.8214	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	137103	0.5000	0.8599	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	293726	1.0000	0.9160	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	521620	2.0000	0.7954	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	1365413	5.0000	0.8329	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	2806616	10.0000	0.8416	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	6000751	20.0000	0.8673	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	12121201	40.0000	0.8649	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

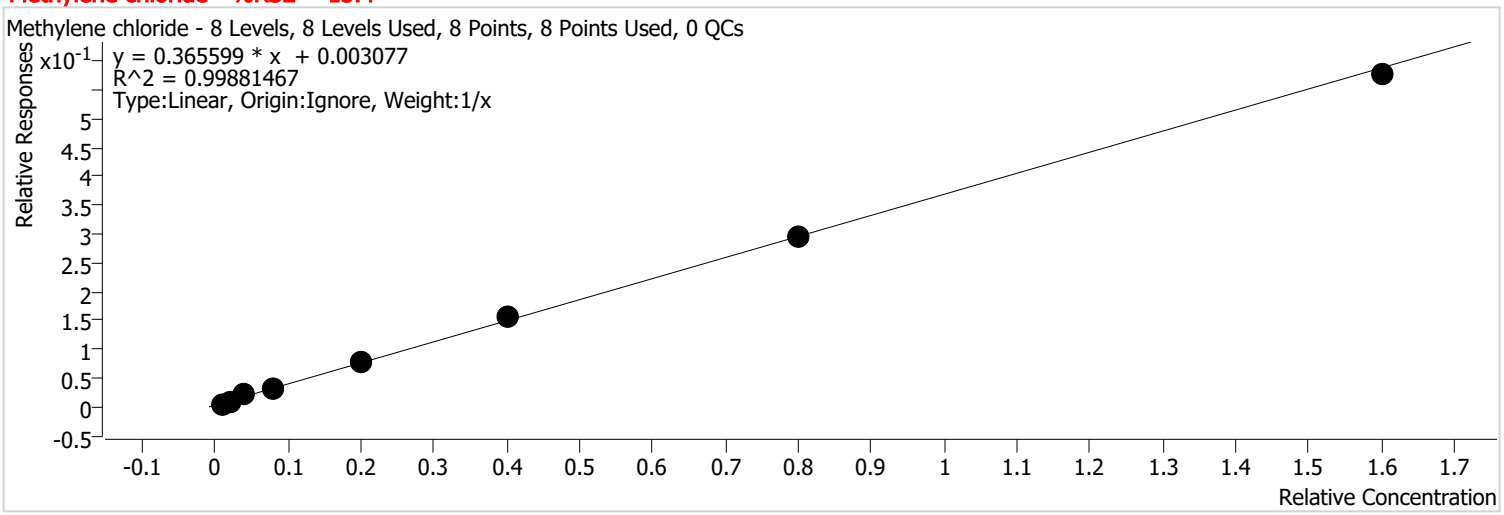
Allyl Chloride %RSE = 13.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	9877	0.2000	0.1521	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	22400	0.5000	0.1405	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	56346	1.0000	0.1757	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	89238	2.0000	0.1361	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	265597	5.0000	0.1620	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	513210	10.0000	0.1539	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	1192250	20.0000	0.1723	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	2507939	40.0000	0.1790	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

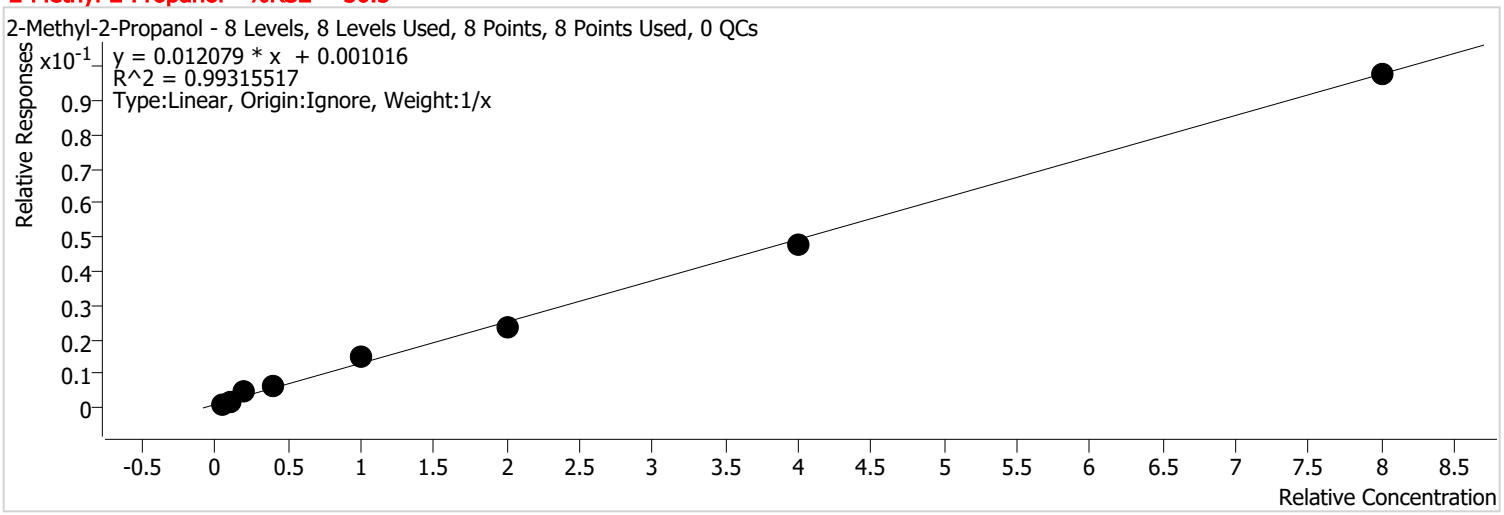
Methylene chloride %RSE = 13.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	42258	0.2000	0.6507	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	82812	0.5000	0.5194	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	161831	1.0000	0.5047	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	275418	2.0000	0.4200	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	649276	5.0000	0.3961	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1287311	10.0000	0.3860	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	2563719	20.0000	0.3705	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	5046266	40.0000	0.3601	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

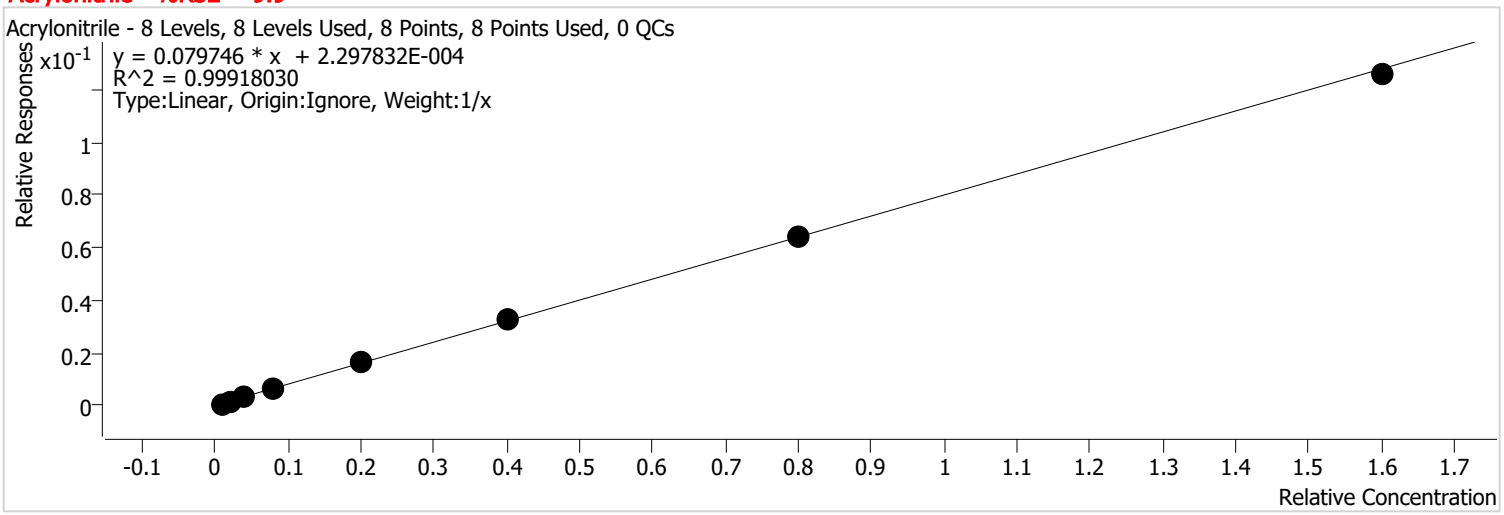
2-Methyl-2-Propanol %RSE = 30.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	10019	1.0000	0.0309	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	17010	2.5000	0.0213	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	36377	5.0000	0.0227	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	51637	10.0000	0.0157	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	124051	25.0000	0.0151	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	197071	50.0000	0.0118	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	413580	100.0000	0.0120	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	853644	200.0000	0.0122	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Acrylonitrile %RSE = 9.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	6055	0.2000	0.0932	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	14012	0.5000	0.0879	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	30568	1.0000	0.0953	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	57135	2.0000	0.0871	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	137789	5.0000	0.0841	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	275891	10.0000	0.0827	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	554195	20.0000	0.0801	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	1100299	40.0000	0.0785	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
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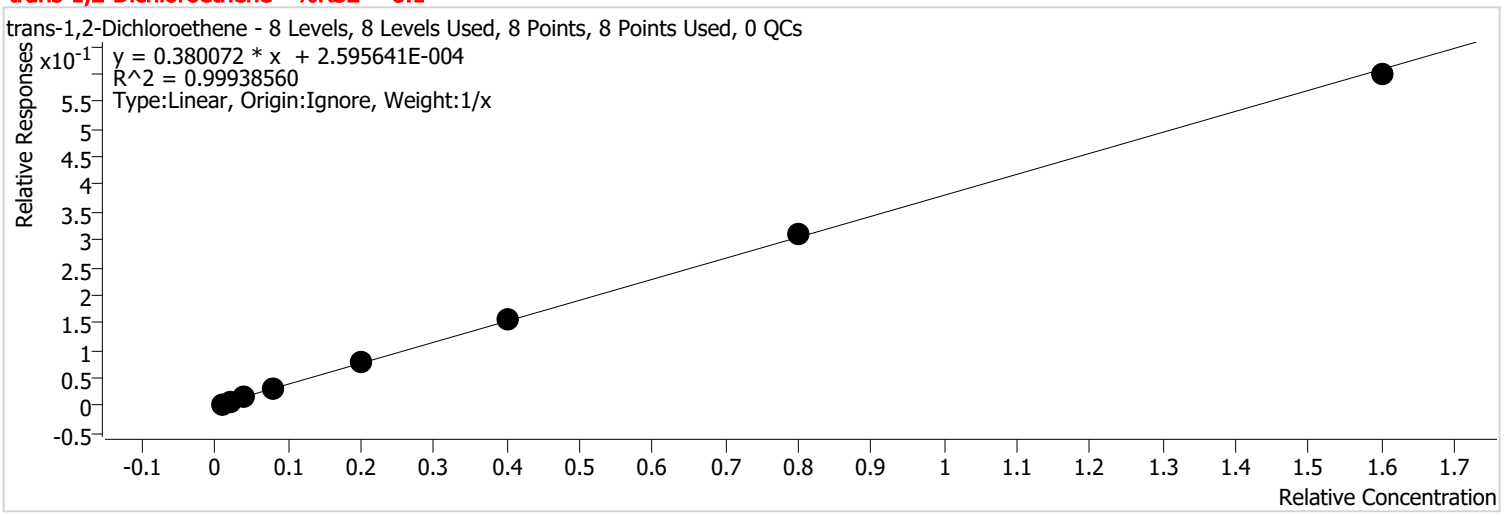
Quant Batch Version	10.0	**Quant Report Version**	10.0

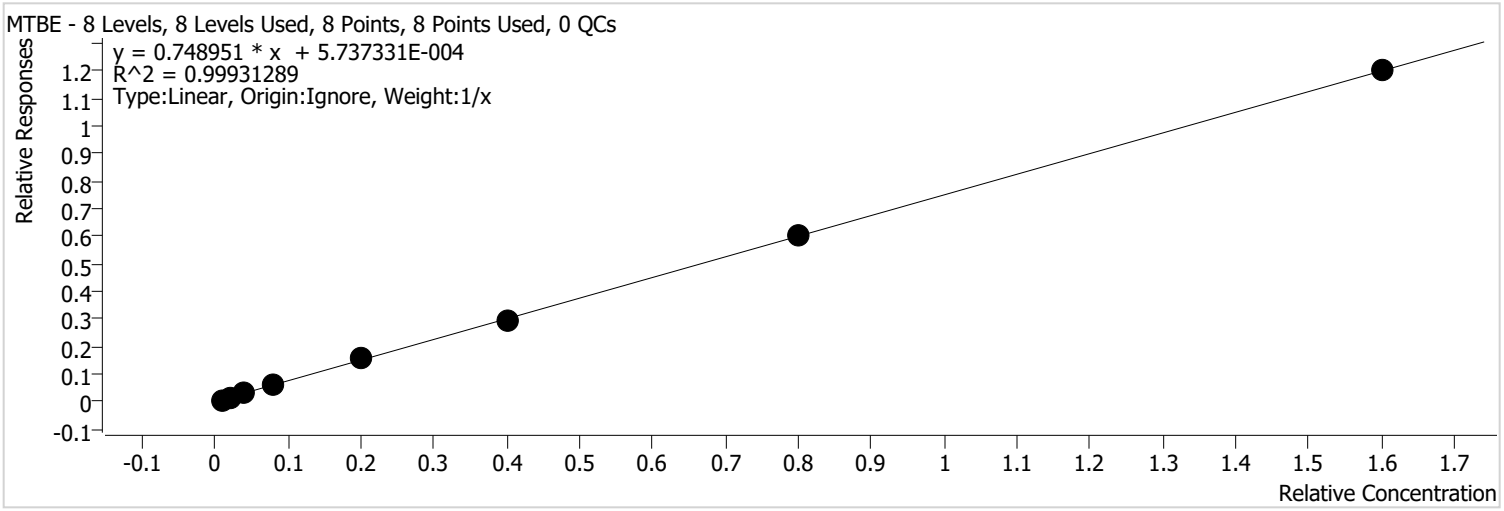
trans-1,2-Dichloroethene %RSE = 8.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	23430	0.2000	0.3608	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	59950	0.5000	0.3760	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	139823	1.0000	0.4360	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	252391	2.0000	0.3849	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	649374	5.0000	0.3961	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1284729	10.0000	0.3852	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	2664049	20.0000	0.3850	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	5243016	40.0000	0.3741	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

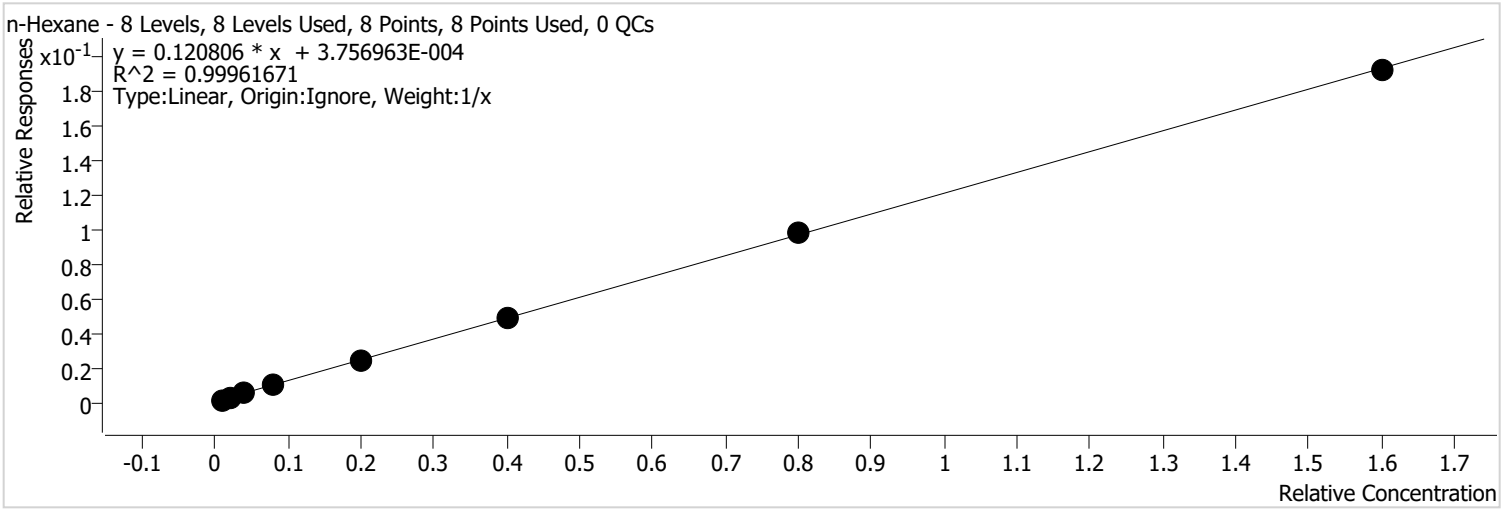
MTBE %RSE = 8.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	52291	0.2000	0.8052	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	112582	0.5000	0.7061	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	282186	1.0000	0.8800	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	471061	2.0000	0.7183	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	1275535	5.0000	0.7781	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	2429383	10.0000	0.7284	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	5209814	20.0000	0.7529	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	10508437	40.0000	0.7498	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

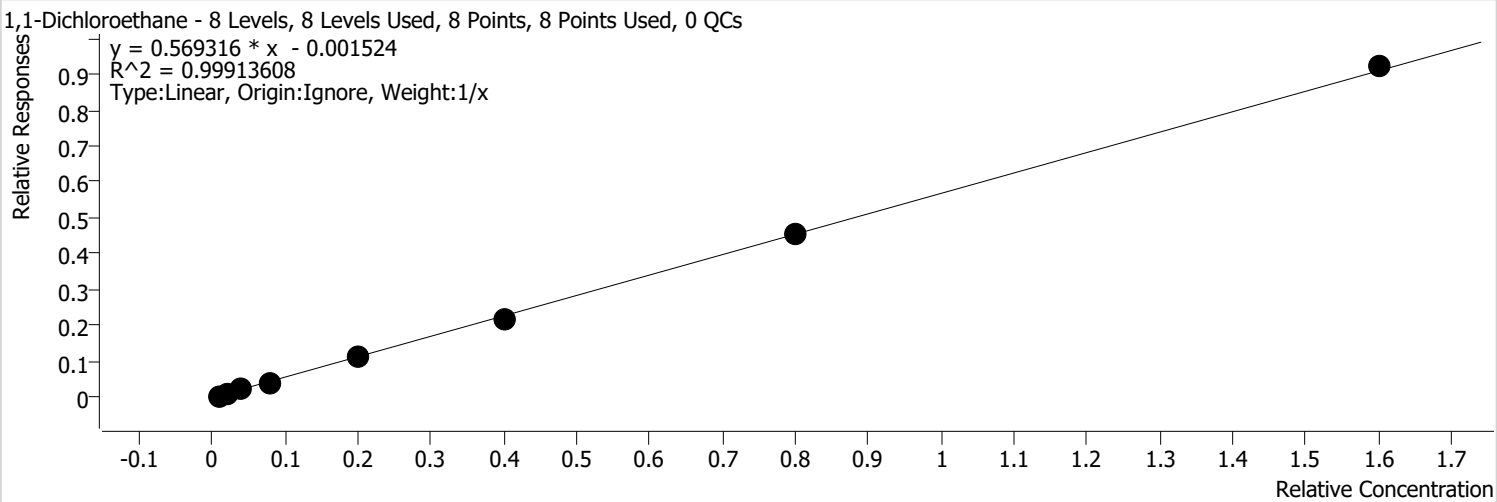
n-Hexane %RSE = 6.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	10617	0.2000	0.1635	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	20453	0.5000	0.1283	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	46911	1.0000	0.1463	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	81503	2.0000	0.1243	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	201796	5.0000	0.1231	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	405314	10.0000	0.1215	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	848759	20.0000	0.1227	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	1684110	40.0000	0.1202	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

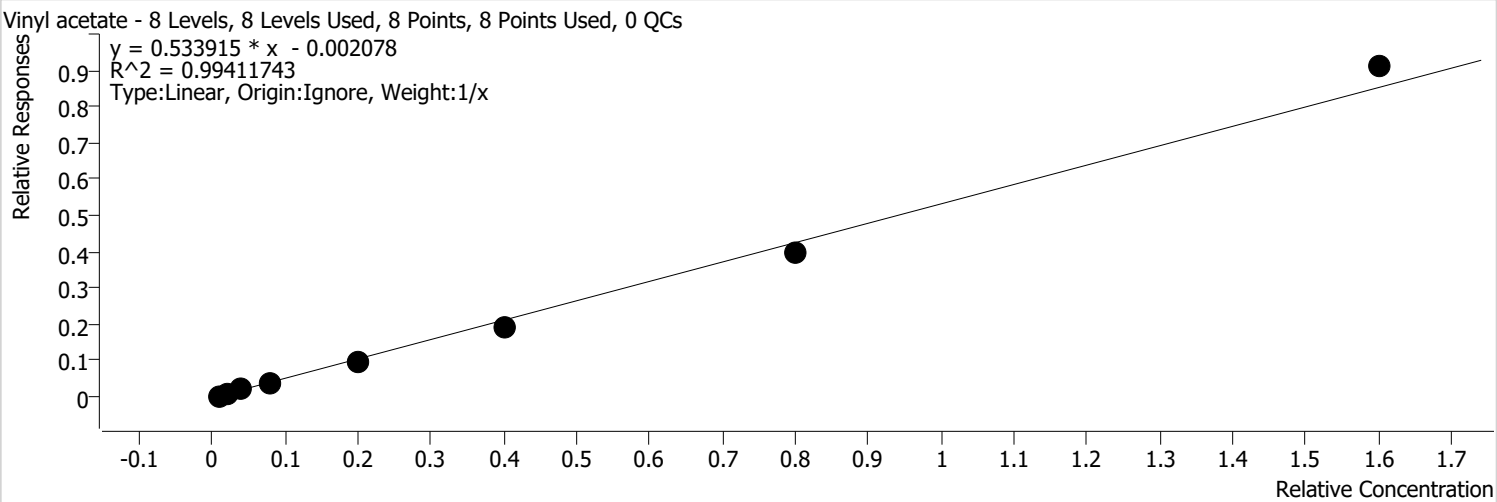
1,1-Dichloroethane %RSE = 7.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	27322	0.2000	0.4207	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	75776	0.5000	0.4753	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	191055	1.0000	0.5958	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	318758	2.0000	0.4861	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	897696	5.0000	0.5476	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1819833	10.0000	0.5457	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	3941671	20.0000	0.5697	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	8066315	40.0000	0.5756	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

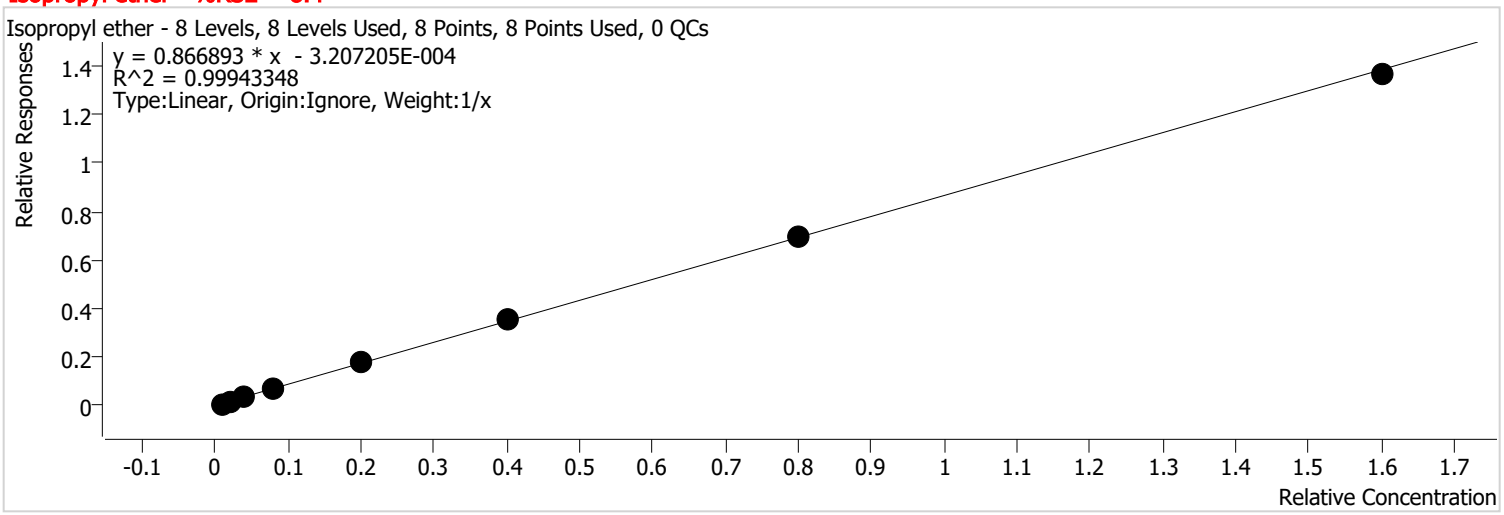
Vinyl acetate %RSE = 12.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	25691	0.2000	0.3956	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	65227	0.5000	0.4091	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	167068	1.0000	0.5210	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	307626	2.0000	0.4691	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	773886	5.0000	0.4721	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1580077	10.0000	0.4738	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	3468189	20.0000	0.5012	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	7966537	40.0000	0.5684	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

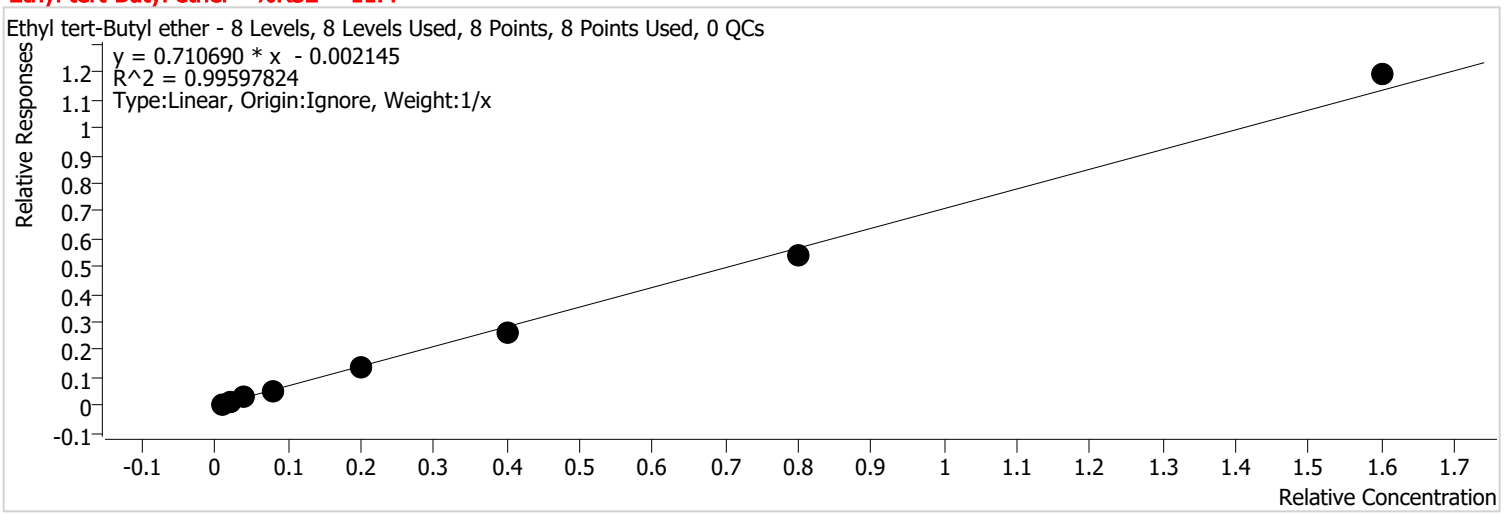
Isopropyl ether %RSE = 8.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	45342	0.2000	0.6982	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	128921	0.5000	0.8086	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	309665	1.0000	0.9657	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	586654	2.0000	0.8946	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	1462445	5.0000	0.8921	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	2924142	10.0000	0.8768	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	6050454	20.0000	0.8744	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	11963024	40.0000	0.8536	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

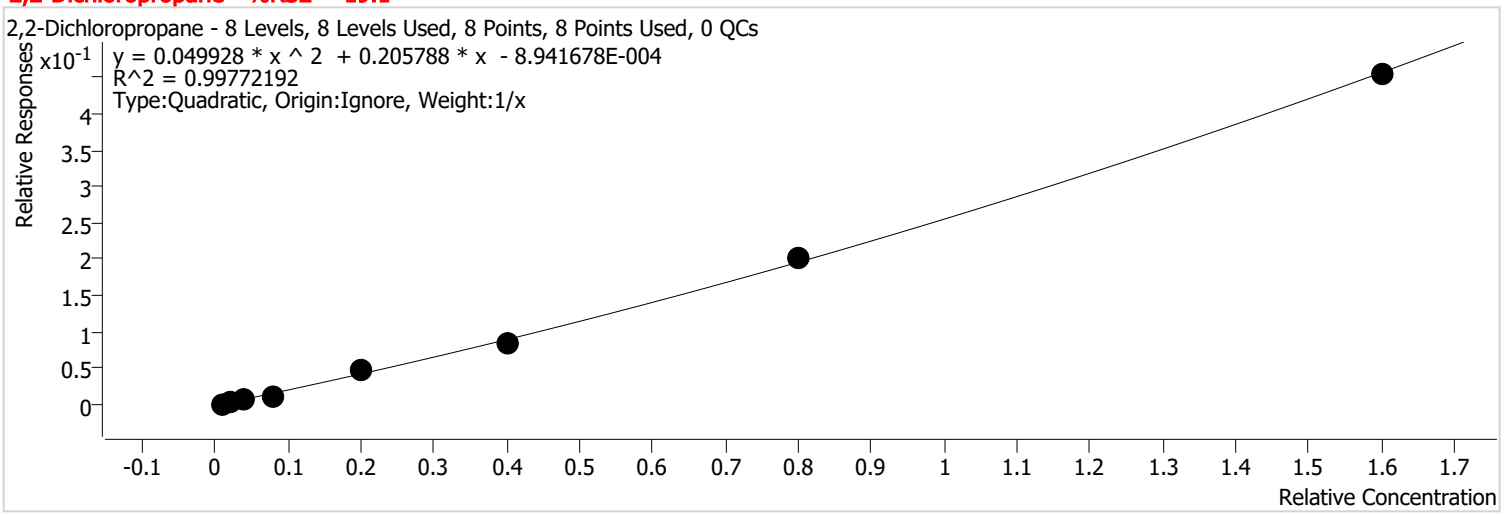
Ethyl tert-Butyl ether %RSE = 11.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	35525	0.2000	0.5471	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	95026	0.5000	0.5960	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	241232	1.0000	0.7523	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	374230	2.0000	0.5706	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	1110062	5.0000	0.6771	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	2137269	10.0000	0.6409	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	4711507	20.0000	0.6809	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	10436868	40.0000	0.7447	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

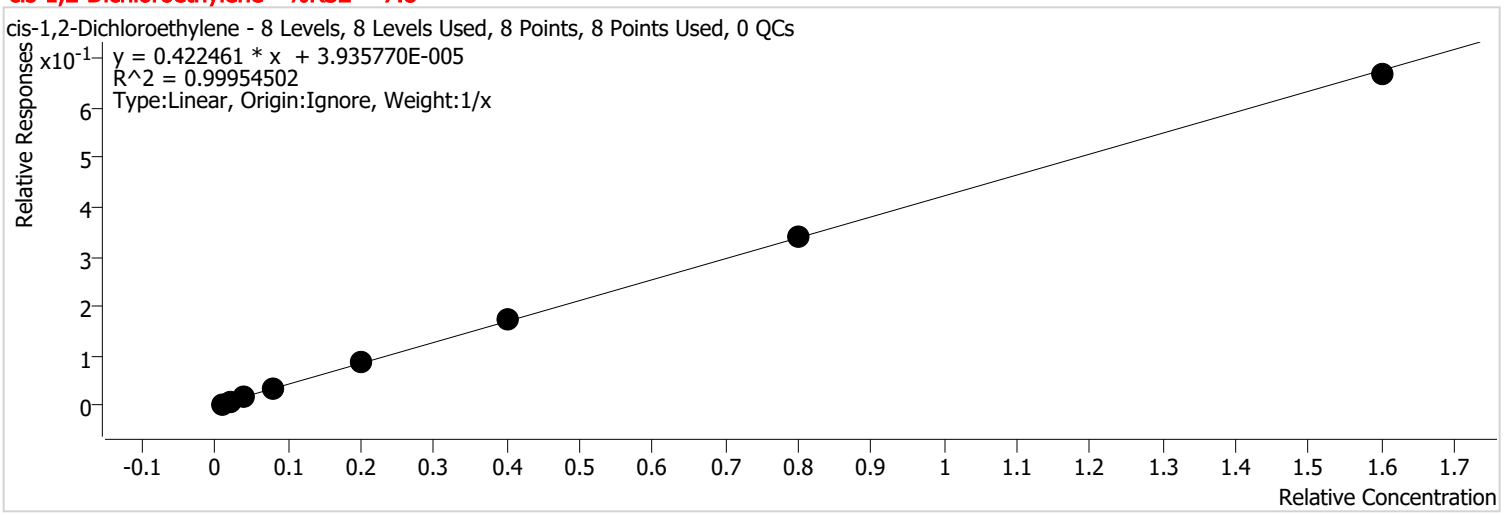
2,2-Dichloropropane %RSE = 19.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	10221	0.2000	0.1574	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	22175	0.5000	0.1391	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	59072	1.0000	0.1842	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	93716	2.0000	0.1429	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	376582	5.0000	0.2297	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	716869	10.0000	0.2150	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	1754547	20.0000	0.2536	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	3969816	40.0000	0.2833	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

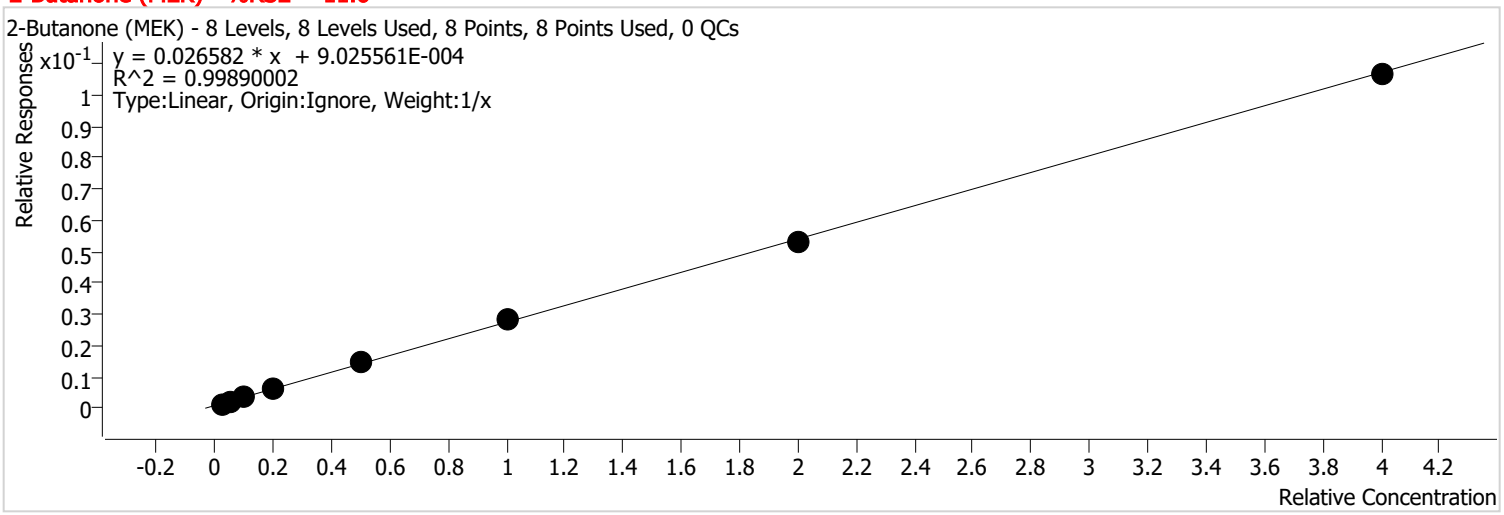
cis-1,2-Dichloroethylene %RSE = 7.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	23920	0.2000	0.3683	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	65915	0.5000	0.4134	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	152380	1.0000	0.4752	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	280357	2.0000	0.4275	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	710629	5.0000	0.4335	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1424385	10.0000	0.4271	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	2950707	20.0000	0.4264	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	5843259	40.0000	0.4169	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

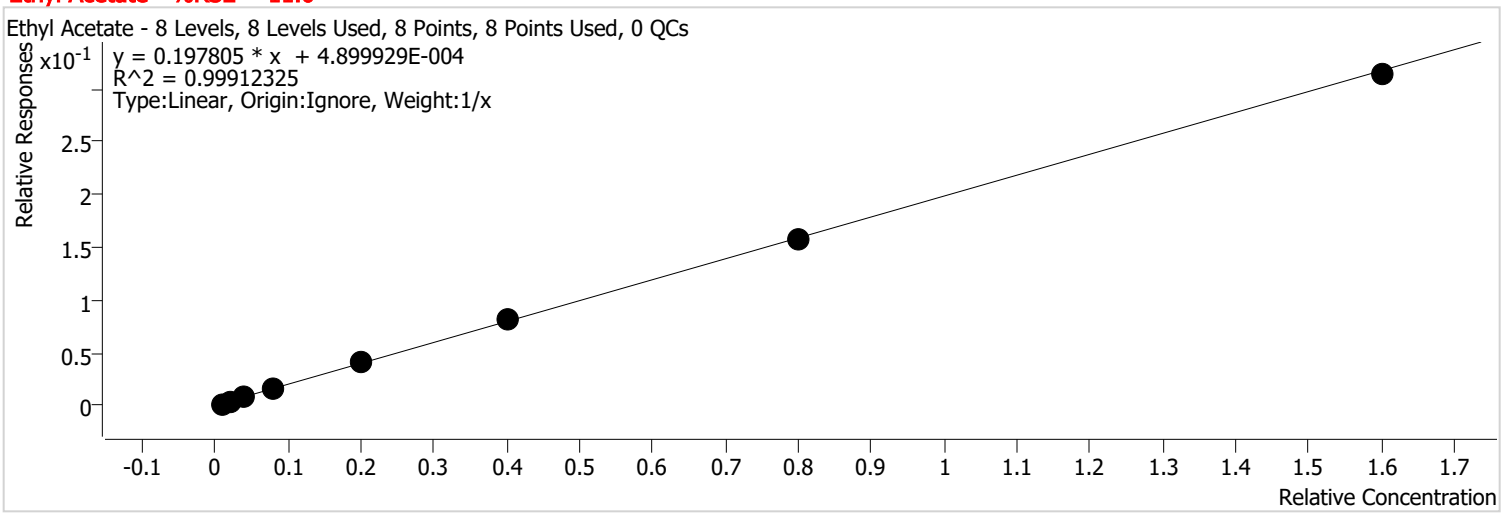
2-Butanone (MEK) %RSE = 11.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	11537	0.5000	0.0711	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	15338	1.2500	0.0385	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	31416	2.5000	0.0392	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	54404	5.0000	0.0332	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	121260	12.5000	0.0296	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	233665	25.0000	0.0280	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	460369	50.0000	0.0266	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	932648	100.0000	0.0266	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

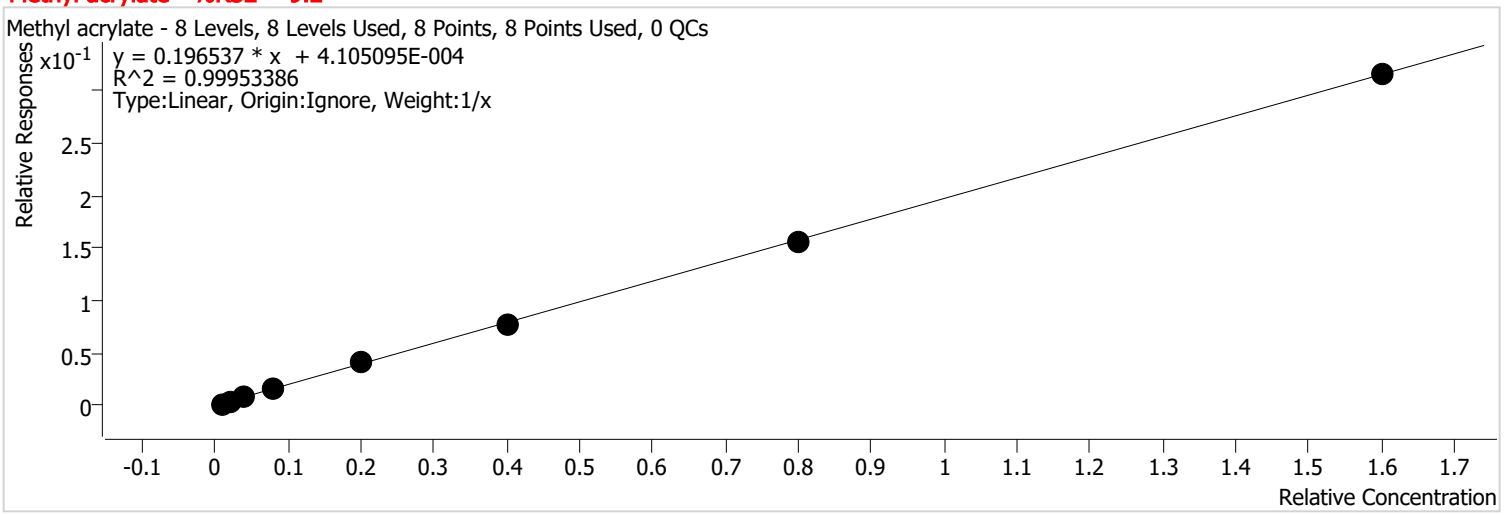
Ethyl Acetate %RSE = 11.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	14584	0.2000	0.2246	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	32663	0.5000	0.2049	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	78413	1.0000	0.2445	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	139766	2.0000	0.2131	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	340502	5.0000	0.2077	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	677643	10.0000	0.2032	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	1366698	20.0000	0.1975	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	2742072	40.0000	0.1957	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

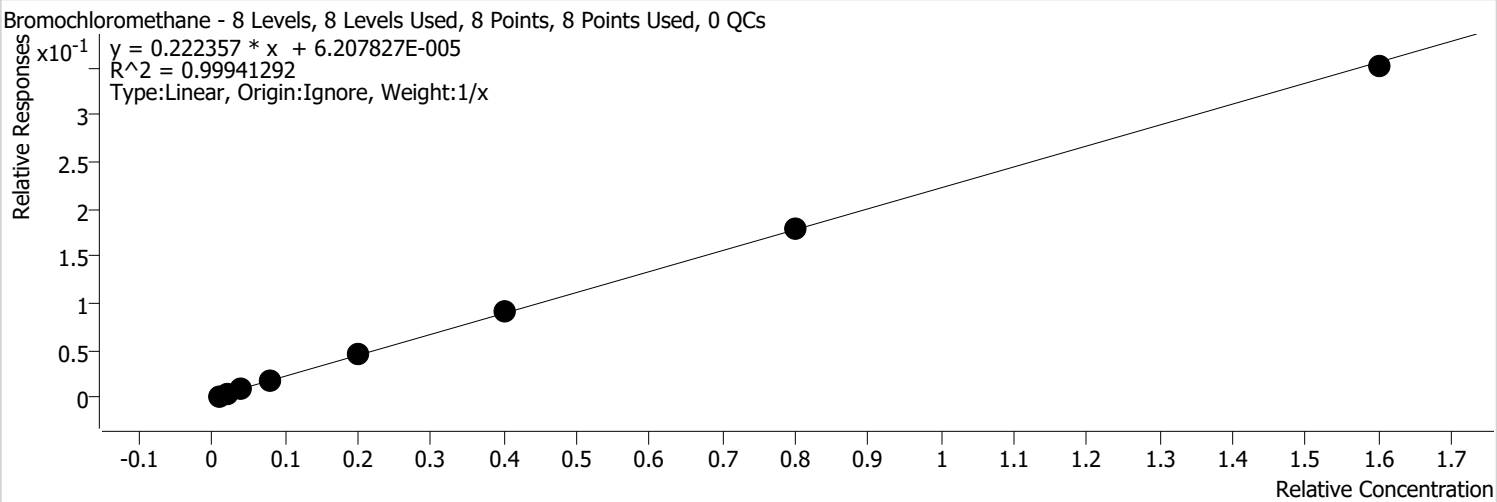
Methyl acrylate %RSE = 9.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	14040	0.2000	0.2162	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	34341	0.5000	0.2154	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	76072	1.0000	0.2372	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	133601	2.0000	0.2037	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	332325	5.0000	0.2027	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	651930	10.0000	0.1955	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	1356174	20.0000	0.1960	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	2755815	40.0000	0.1966	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Bromochloromethane %RSE = 9.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	12483	0.2000	0.1922	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	35158	0.5000	0.2205	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	81238	1.0000	0.2533	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	149259	2.0000	0.2276	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	374832	5.0000	0.2286	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	761190	10.0000	0.2282	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	1540815	20.0000	0.2227	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	3074568	40.0000	0.2194	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
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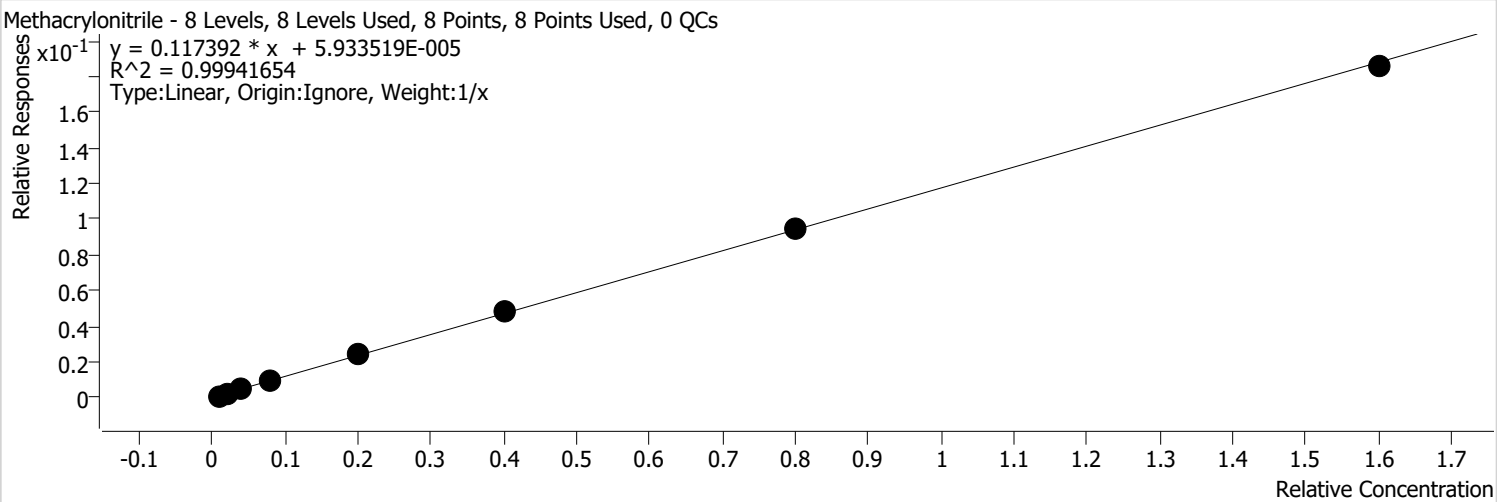
Quant Batch Version	10.0	**Quant Report Version**	10.0

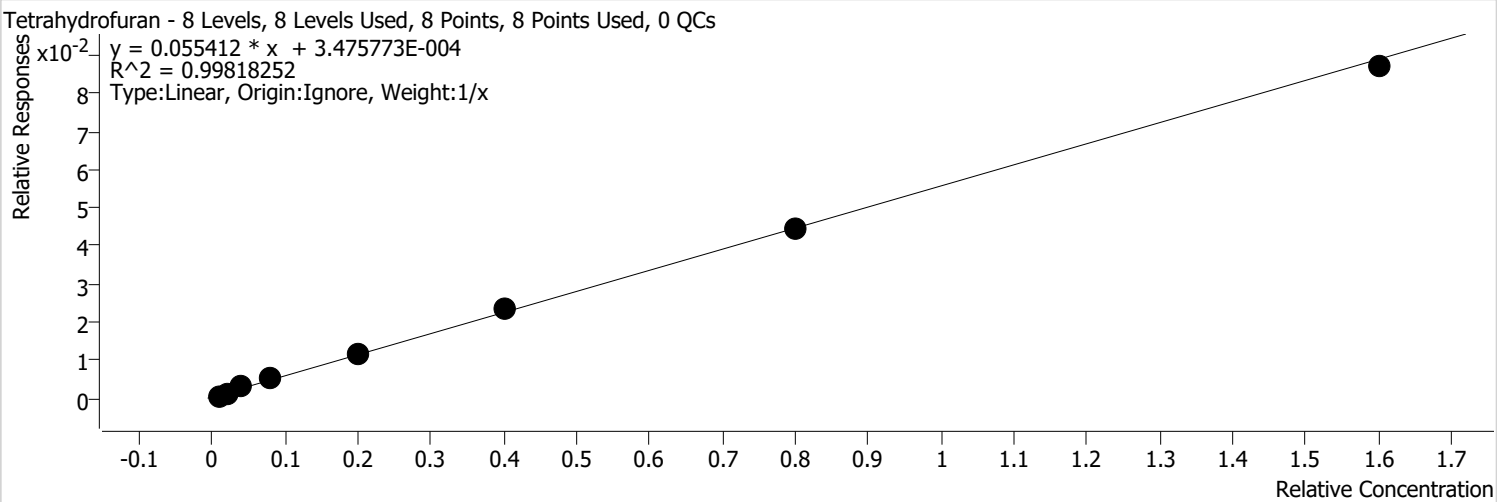
Methacrylonitrile %RSE = 7.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	7457	0.2000	0.1148	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	17237	0.5000	0.1081	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	42310	1.0000	0.1319	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	79422	2.0000	0.1211	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	201902	5.0000	0.1232	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	399279	10.0000	0.1197	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	813255	20.0000	0.1175	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	1624185	40.0000	0.1159	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

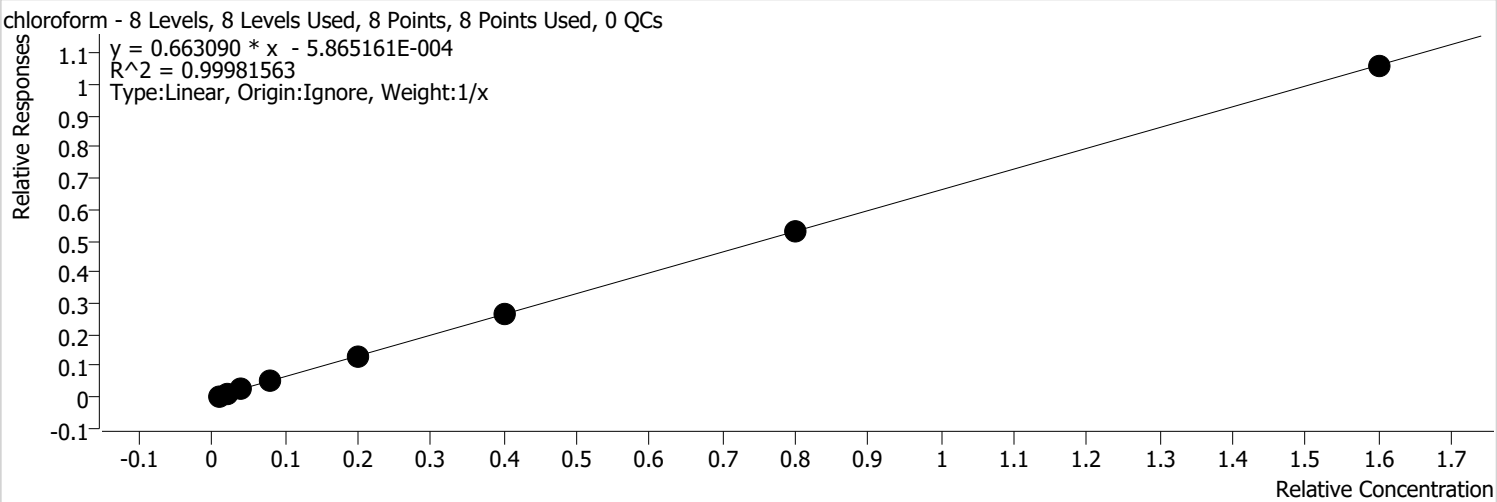
Tetrahydrofuran %RSE = 16.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	5222	0.2000	0.0804	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	11399	0.5000	0.0715	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	24364	1.0000	0.0760	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	42199	2.0000	0.0643	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	97238	5.0000	0.0593	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	196107	10.0000	0.0588	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	385092	20.0000	0.0557	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	762477	40.0000	0.0544	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

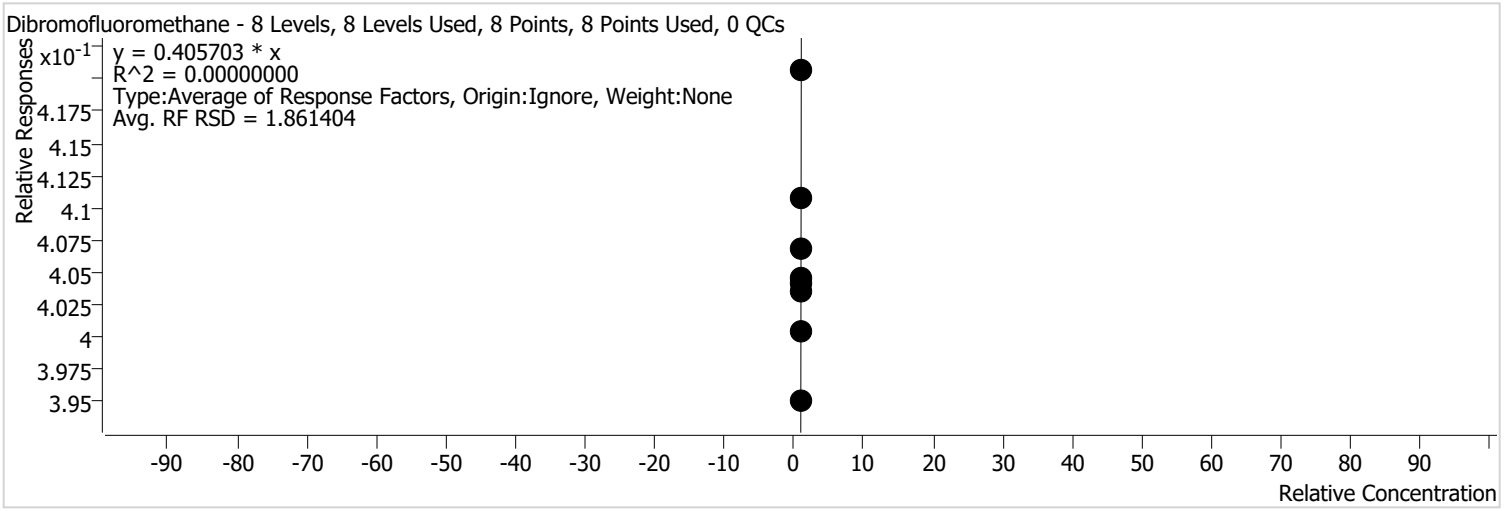
chloroform %RSE = 5.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	36686	0.2000	0.5649	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	94504	0.5000	0.5927	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	228770	1.0000	0.7134	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	427792	2.0000	0.6523	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	1087277	5.0000	0.6632	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	2211172	10.0000	0.6630	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	4602776	20.0000	0.6652	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	9246117	40.0000	0.6598	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

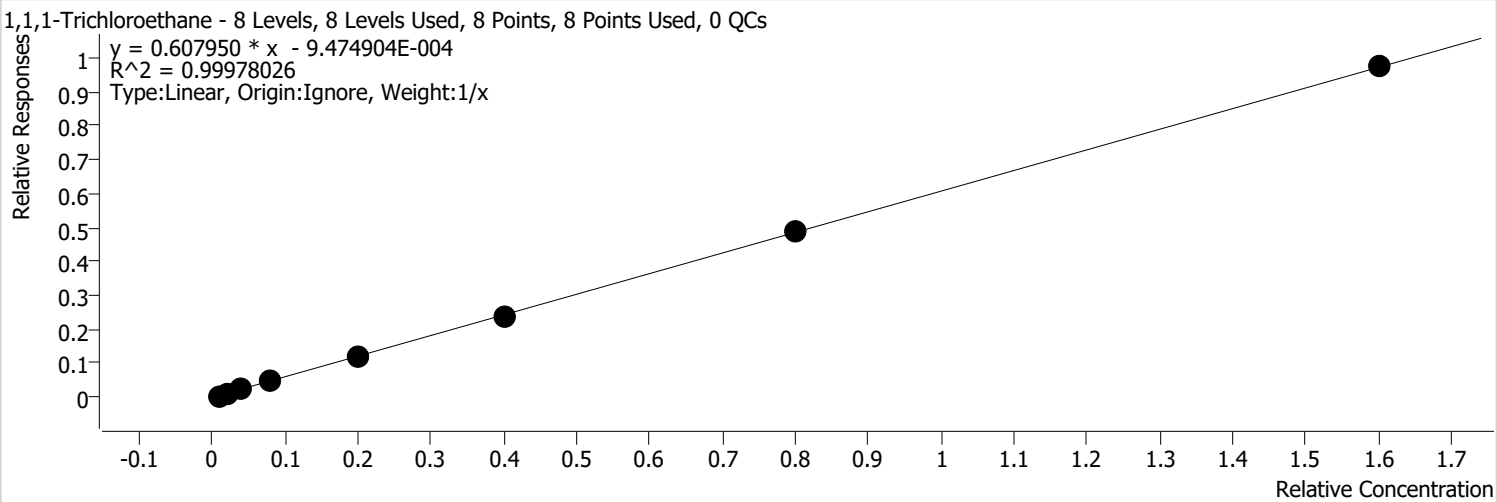
Dibromofluoromethane %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	3684335	25.0000	0.4206	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	3552082	25.0000	0.4107	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	3391243	25.0000	0.4067	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	3307003	25.0000	0.4034	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	3238619	25.0000	0.3951	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	3243332	25.0000	0.4046	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	3191664	25.0000	0.4004	
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	3280320	25.0000	0.4041	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

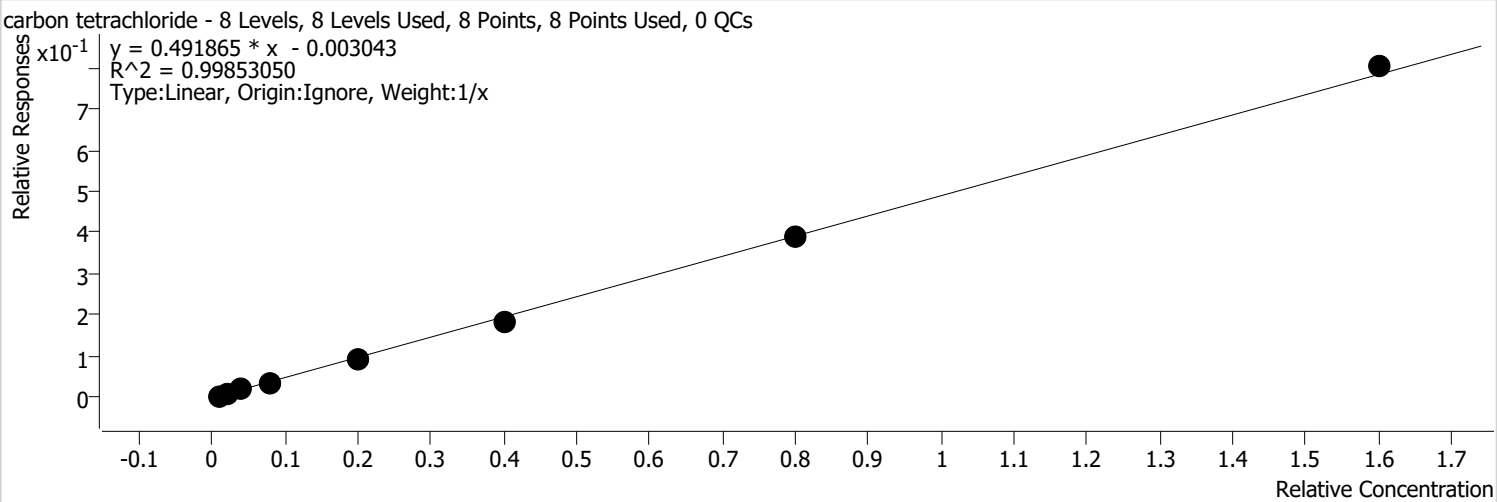
1,1,1-Trichloroethane %RSE = 4.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	30689	0.2000	0.4726	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	87162	0.5000	0.5467	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	206429	1.0000	0.6437	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	377203	2.0000	0.5752	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	986241	5.0000	0.6016	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1986042	10.0000	0.5955	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	4218010	20.0000	0.6096	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	8527536	40.0000	0.6085	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

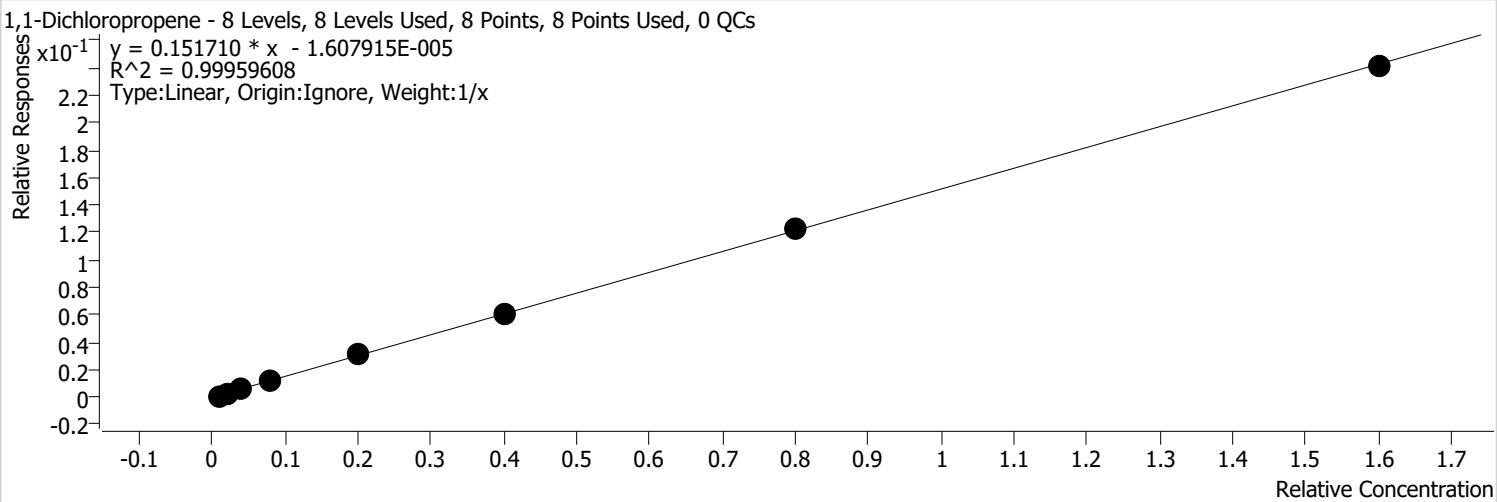
carbon tetrachloride %RSE = 10.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	14095	0.2000	0.2170	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	52223	0.5000	0.3275	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	135604	1.0000	0.4229	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	260216	2.0000	0.3968	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	728238	5.0000	0.4442	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1535264	10.0000	0.4603	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	3383977	20.0000	0.4891	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	7032371	40.0000	0.5018	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

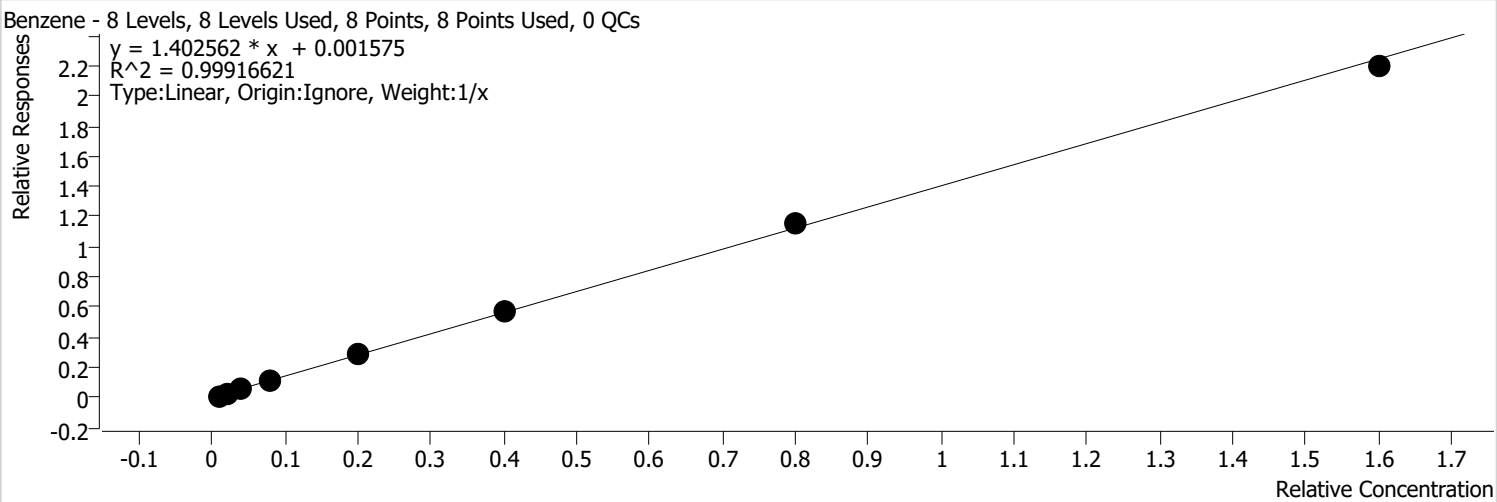
1,1-Dichloropropene %RSE = 8.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	8373	0.2000	0.1289	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	24040	0.5000	0.1508	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	55228	1.0000	0.1722	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	98430	2.0000	0.1501	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	251629	5.0000	0.1535	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	502629	10.0000	0.1507	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	1061107	20.0000	0.1534	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	2109587	40.0000	0.1505	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

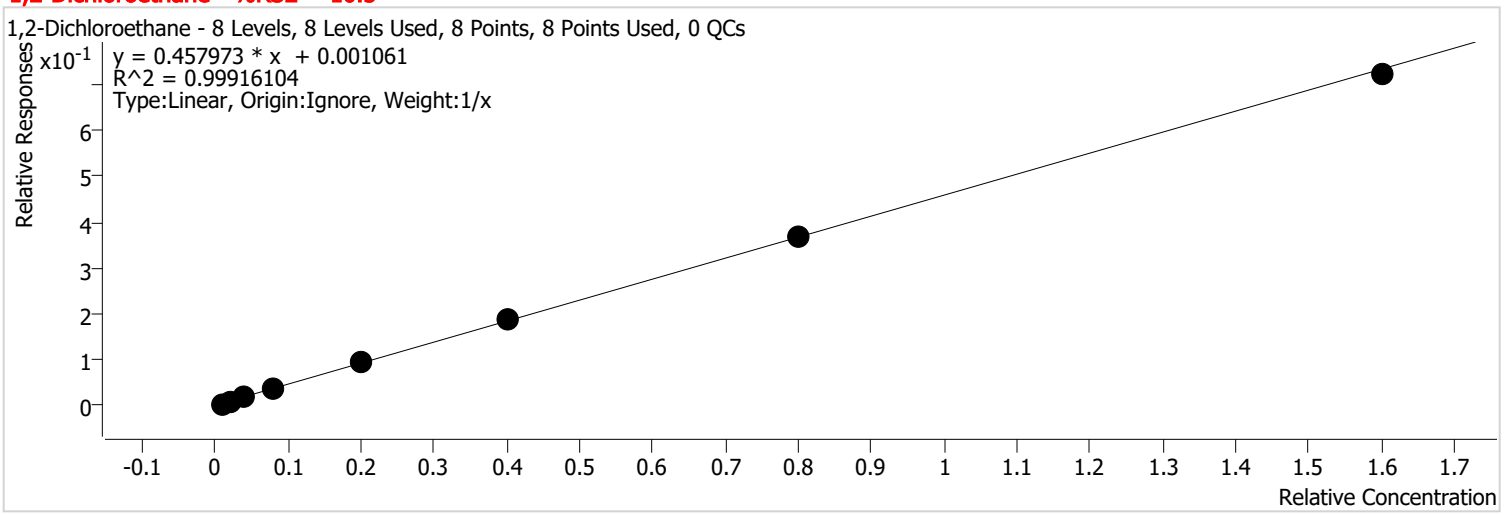
Benzene %RSE = 8.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	89919	0.2000	1.3847	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	227327	0.5000	1.4258	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	509792	1.0000	1.5898	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	962552	2.0000	1.4677	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	2400173	5.0000	1.4641	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	4775808	10.0000	1.4320	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	9925889	20.0000	1.4345	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	19217612	40.0000	1.3713	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

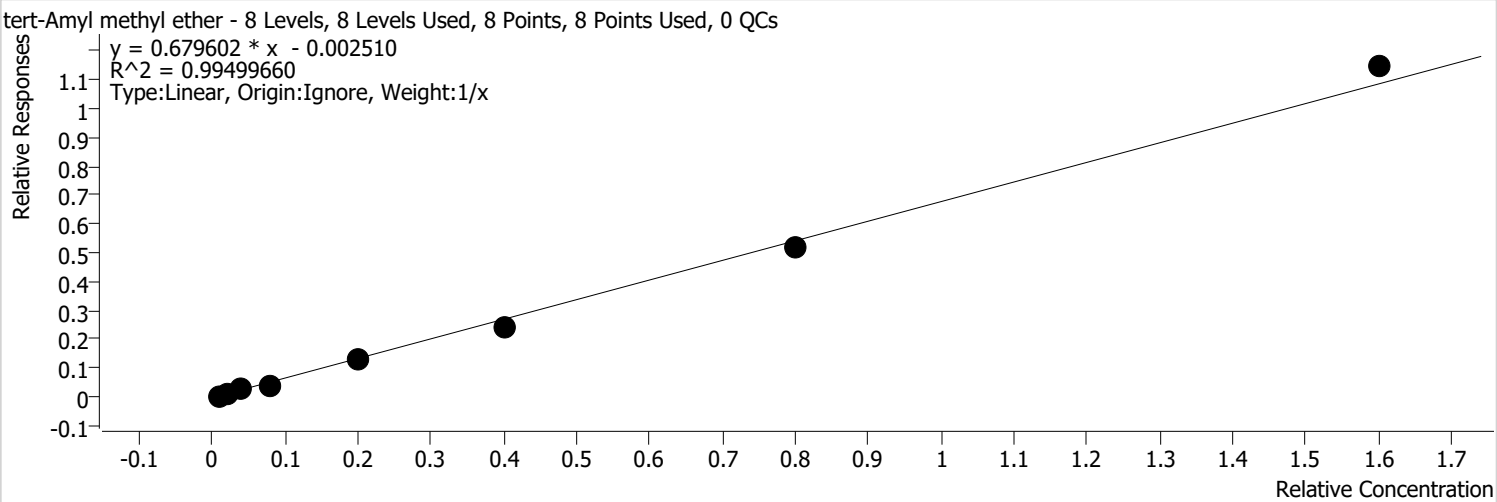
1,2-Dichloroethane %RSE = 10.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	32841	0.2000	0.5057	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	76901	0.5000	0.4823	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	177558	1.0000	0.5537	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	324184	2.0000	0.4943	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	788102	5.0000	0.4807	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1568199	10.0000	0.4702	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	3191797	20.0000	0.4613	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	6320021	40.0000	0.4510	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

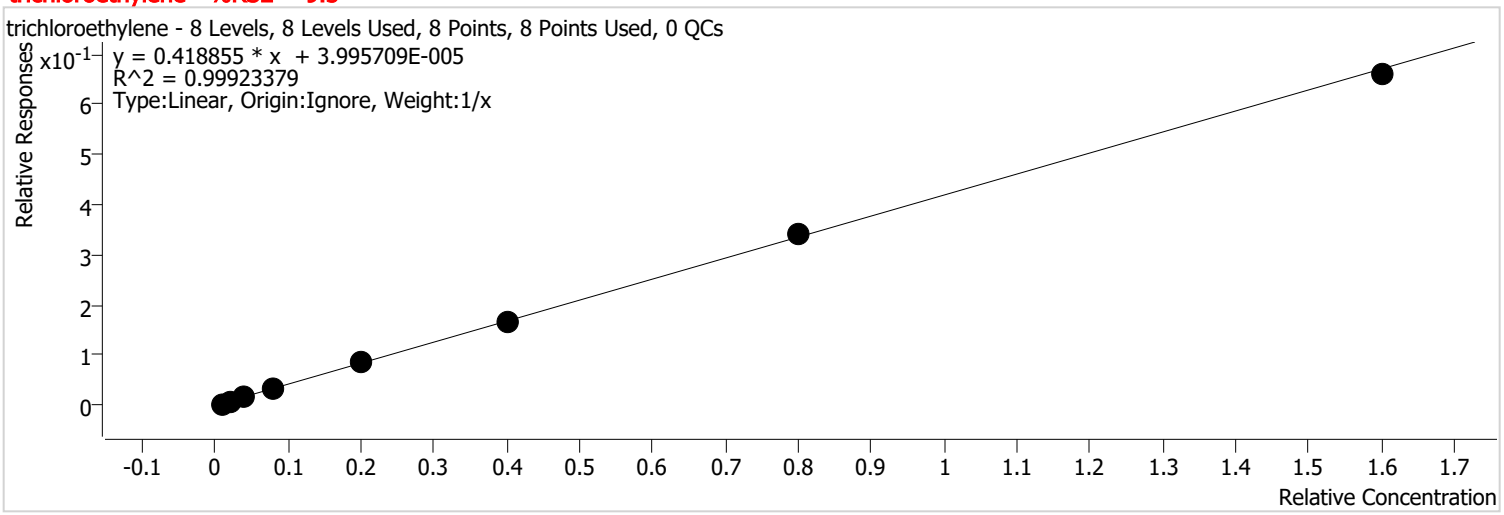
tert-Amyl methyl ether %RSE = 13.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	32334	0.2000	0.4979	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	87754	0.5000	0.5504	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	224767	1.0000	0.7009	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	340306	2.0000	0.5189	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	1054567	5.0000	0.6433	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	2009080	10.0000	0.6024	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	4502683	20.0000	0.6507	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	10025218	40.0000	0.7153	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

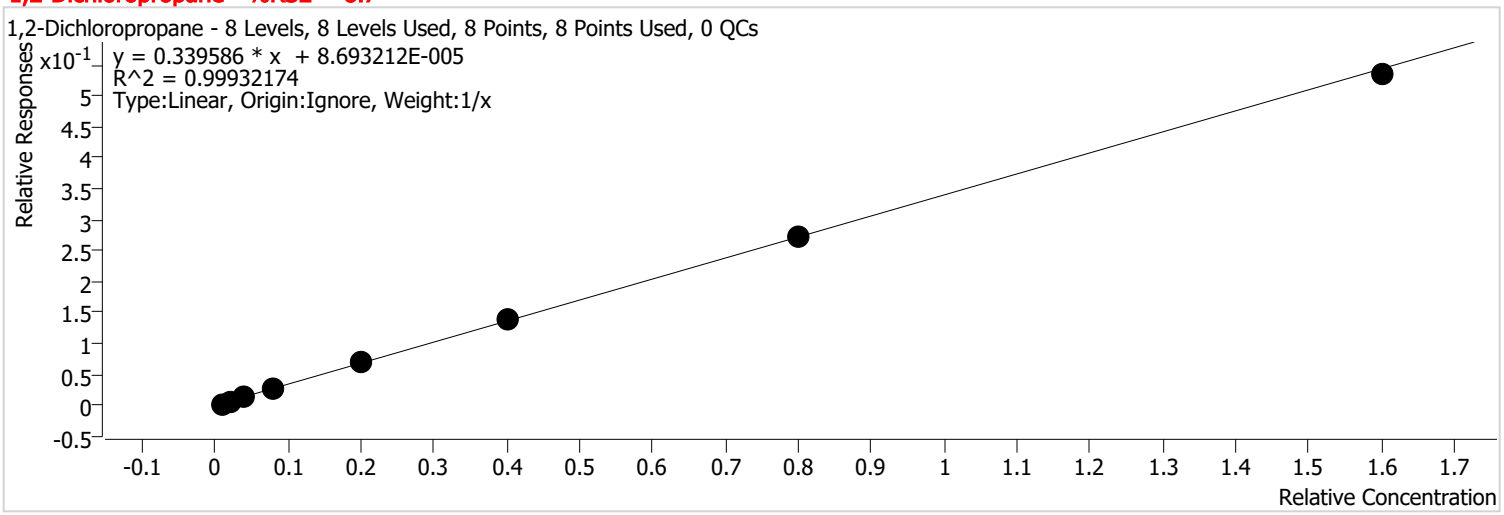
trichloroethylene %RSE = 9.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	23134	0.2000	0.3562	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	63709	0.5000	0.3996	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	153460	1.0000	0.4786	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	281739	2.0000	0.4296	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	719325	5.0000	0.4388	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1401481	10.0000	0.4202	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	2941160	20.0000	0.4251	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	5768933	40.0000	0.4116	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

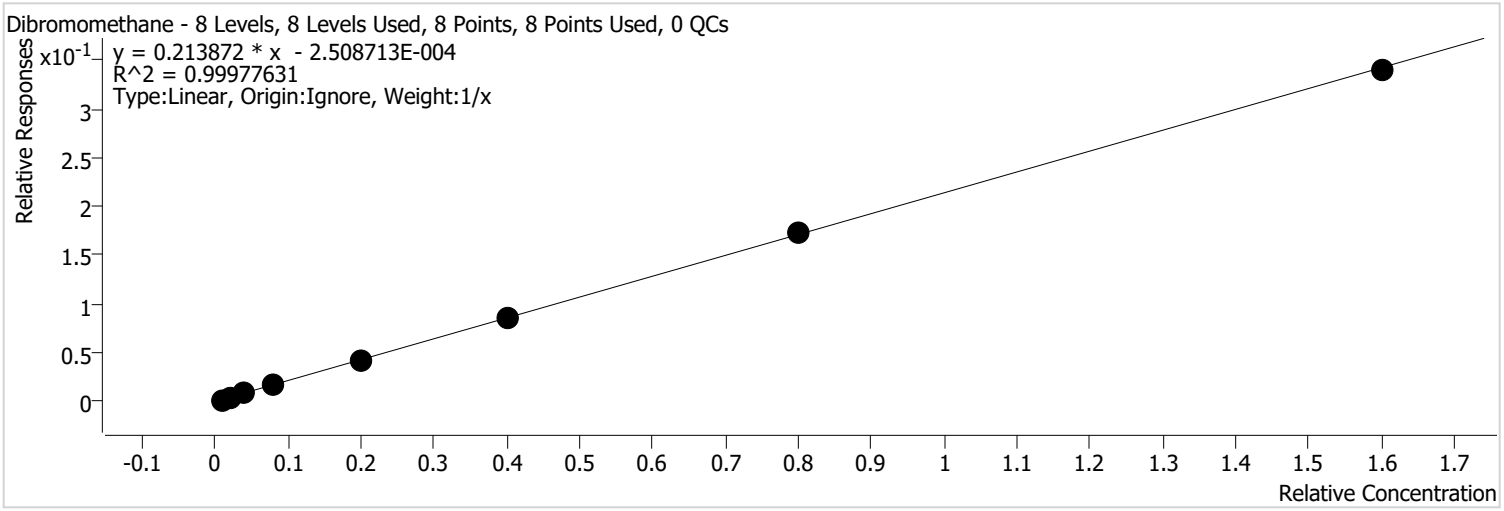
1,2-Dichloropropane %RSE = 8.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	19067	0.2000	0.2936	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	52926	0.5000	0.3320	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	121441	1.0000	0.3787	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	232626	2.0000	0.3547	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	582866	5.0000	0.3555	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1150219	10.0000	0.3449	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	2372721	20.0000	0.3429	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	4675629	40.0000	0.3336	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

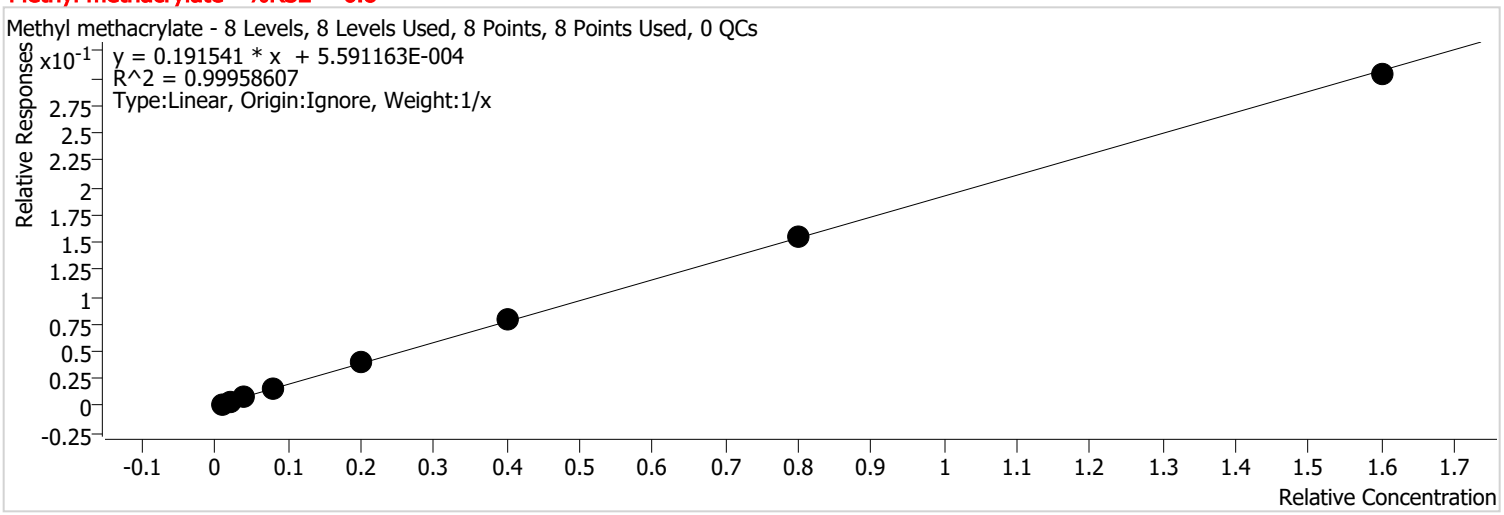
Dibromomethane %RSE = 4.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	11128	0.2000	0.1714	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	30496	0.5000	0.1913	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	72593	1.0000	0.2264	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	137553	2.0000	0.2097	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	350369	5.0000	0.2137	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	718393	10.0000	0.2154	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	1492438	20.0000	0.2157	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	2967309	40.0000	0.2117	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

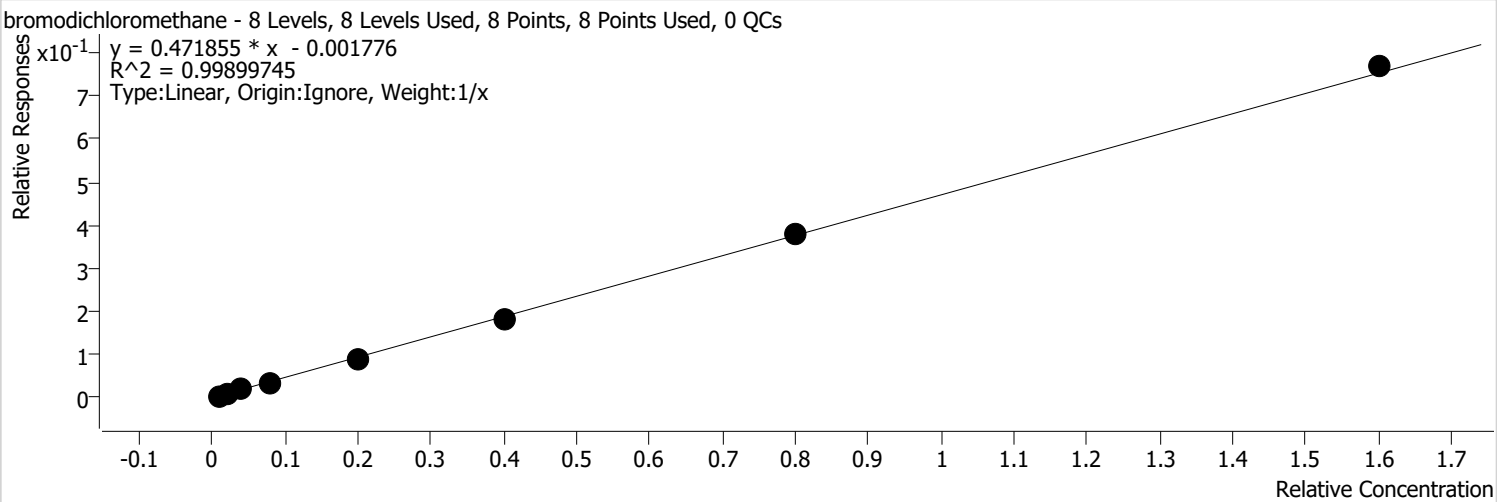
Methyl methacrylate %RSE = 6.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	15848	0.2000	0.2440	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	32618	0.5000	0.2046	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	72501	1.0000	0.2261	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	135150	2.0000	0.2061	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	322513	5.0000	0.1967	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	651679	10.0000	0.1954	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	1342030	20.0000	0.1940	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	2655749	40.0000	0.1895	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

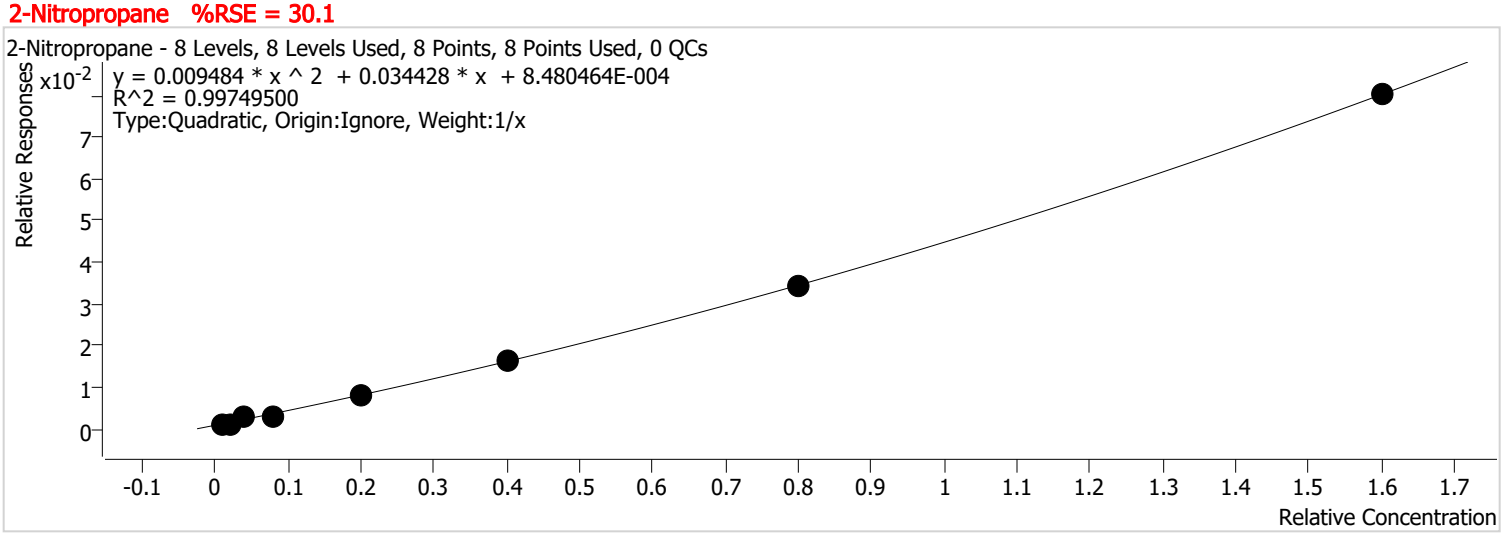
bromodichloromethane %RSE = 8.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	21329	0.2000	0.3284	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	58881	0.5000	0.3693	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	140912	1.0000	0.4394	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	270289	2.0000	0.4121	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	706939	5.0000	0.4312	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1499828	10.0000	0.4497	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	3254927	20.0000	0.4704	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	6728428	40.0000	0.4801	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

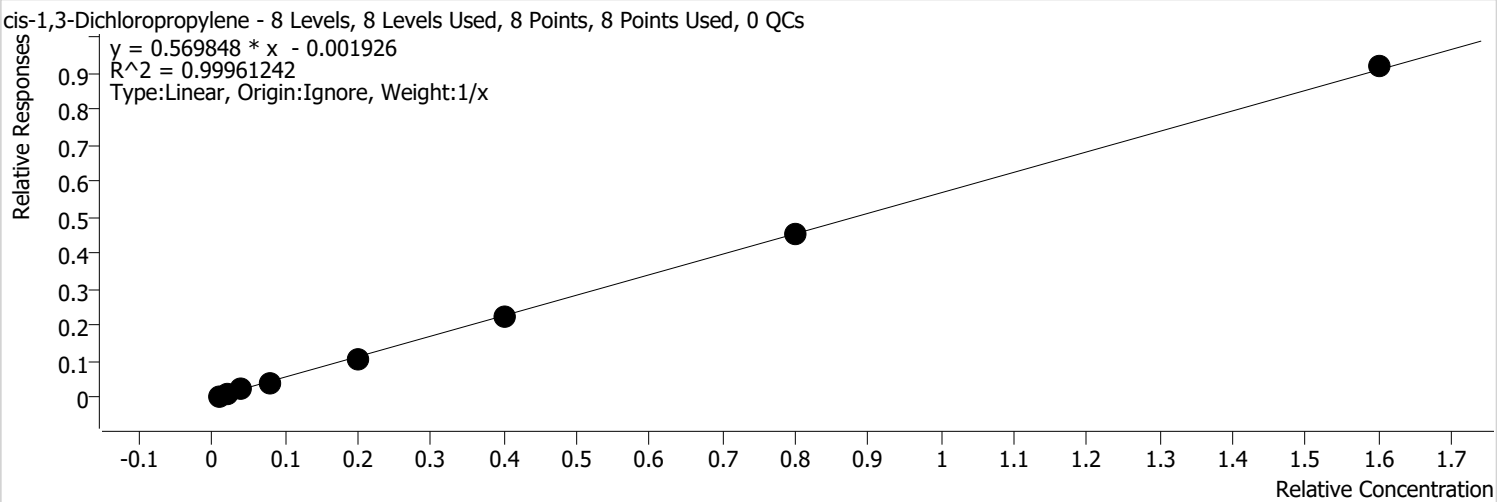
2-Nitropropane %RSE = 30.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	9743	0.2000	0.1500	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	9591	0.5000	0.0602	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	21779	1.0000	0.0679	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	26262	2.0000	0.0400	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	68276	5.0000	0.0416	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	134791	10.0000	0.0404	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	298355	20.0000	0.0431	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	702266	40.0000	0.0501	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

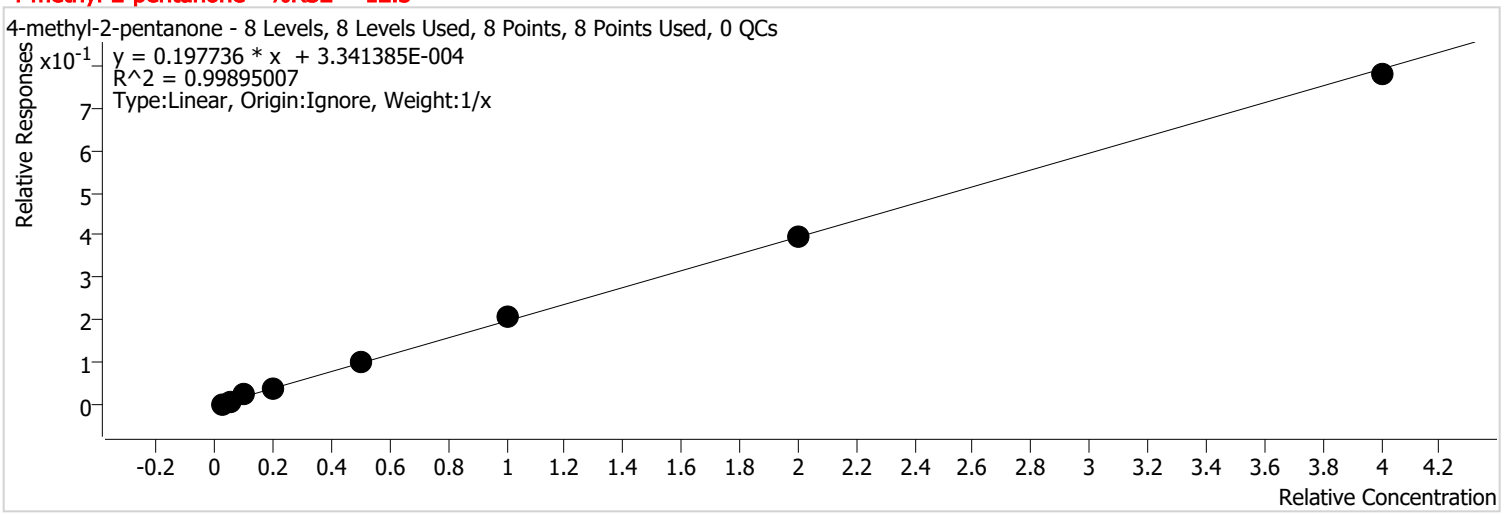
cis-1,3-Dichloropropylene %RSE = 5.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	24876	0.2000	0.3831	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	73111	0.5000	0.4585	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	174941	1.0000	0.5456	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	332977	2.0000	0.5077	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	882681	5.0000	0.5384	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1848563	10.0000	0.5543	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	3941888	20.0000	0.5697	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	8046459	40.0000	0.5741	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

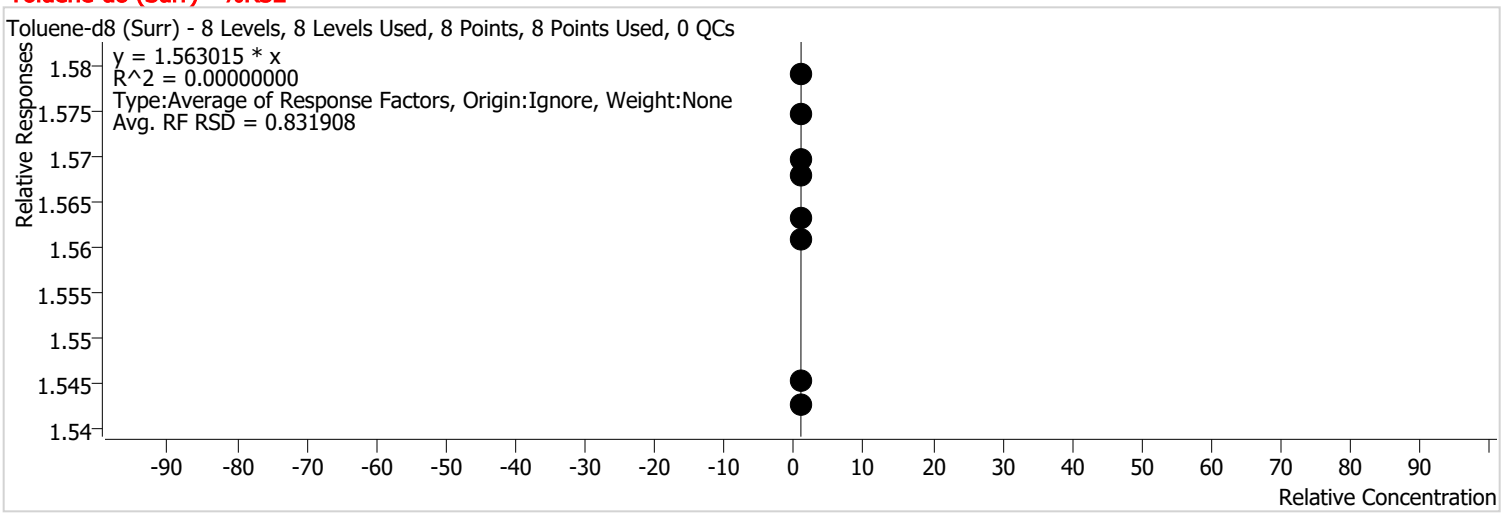
4-methyl-2-pentanone %RSE = 12.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	26910	0.5000	0.1658	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	82170	1.2500	0.2061	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	187101	2.5000	0.2334	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	337196	5.0000	0.2057	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	825285	12.5000	0.2014	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1727545	25.0000	0.2072	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	3417875	50.0000	0.1976	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	6812000	100.0000	0.1944	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

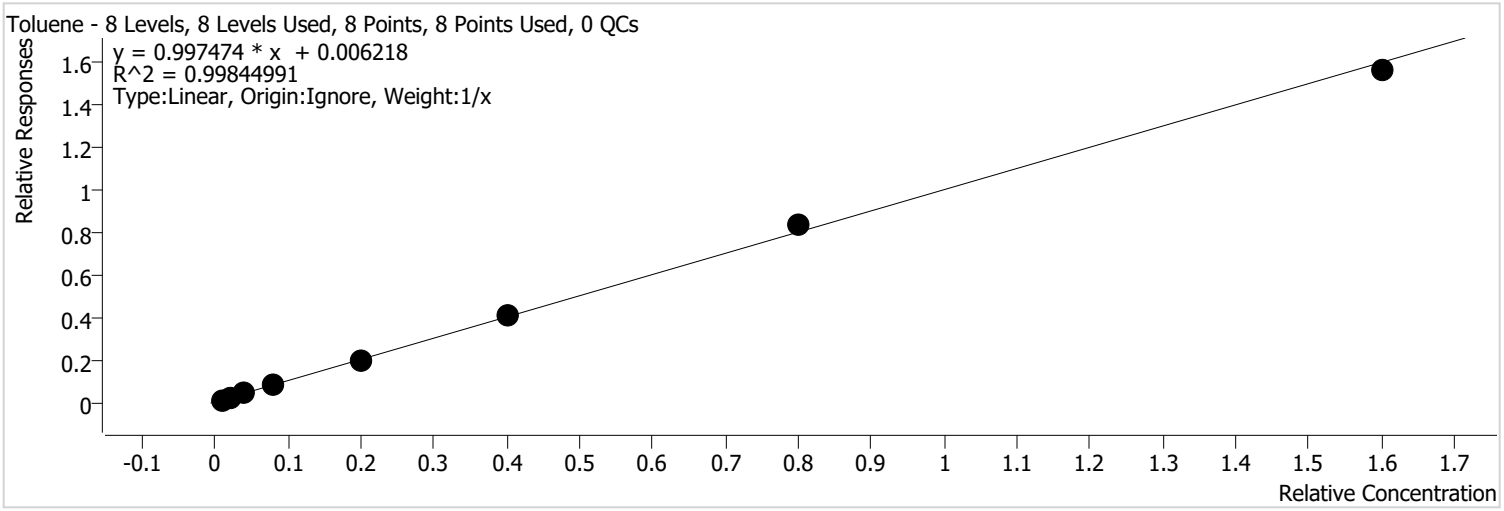
Toluene-d8 (Surr) %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	13513971	25.0000	1.5428	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	13367537	25.0000	1.5455	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	13072613	25.0000	1.5679	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	12794206	25.0000	1.5609	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	12909166	25.0000	1.5748	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	12584801	25.0000	1.5698	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	12588640	25.0000	1.5791	
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	12689554	25.0000	1.5633	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

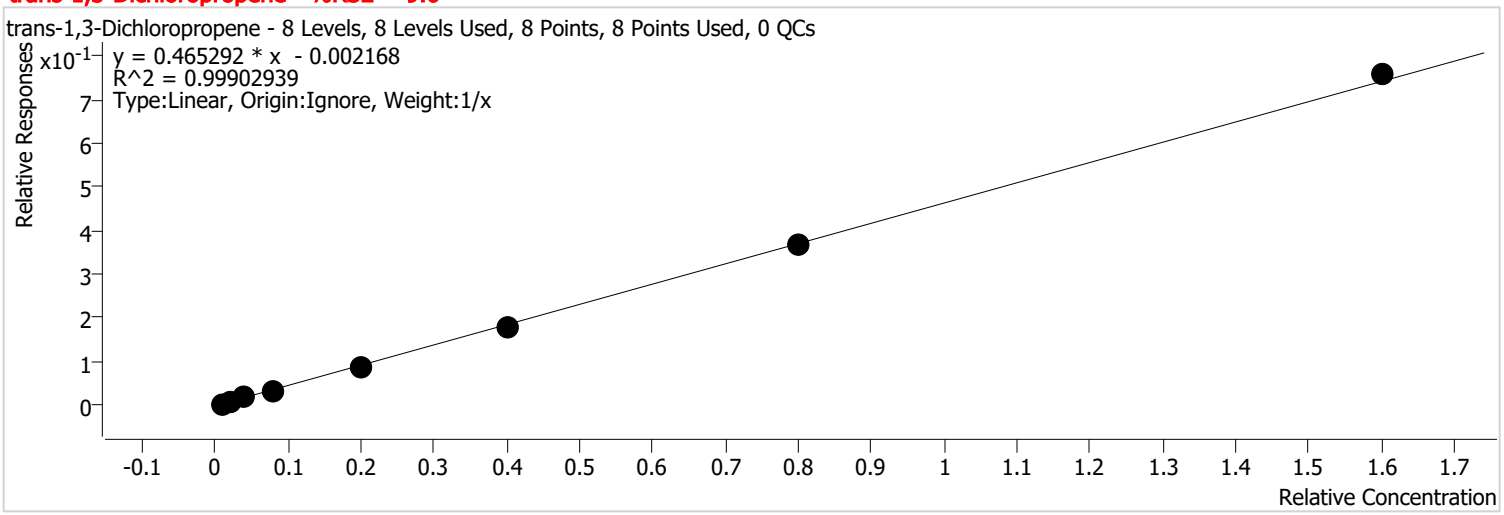
Toluene %RSE = 12.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	127221	0.2000	1.9591	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	173081	0.5000	1.0856	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	380160	1.0000	1.1855	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	687485	2.0000	1.0483	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	1687059	5.0000	1.0291	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	3397744	10.0000	1.0188	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	7307748	20.0000	1.0561	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	13689292	40.0000	0.9768	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

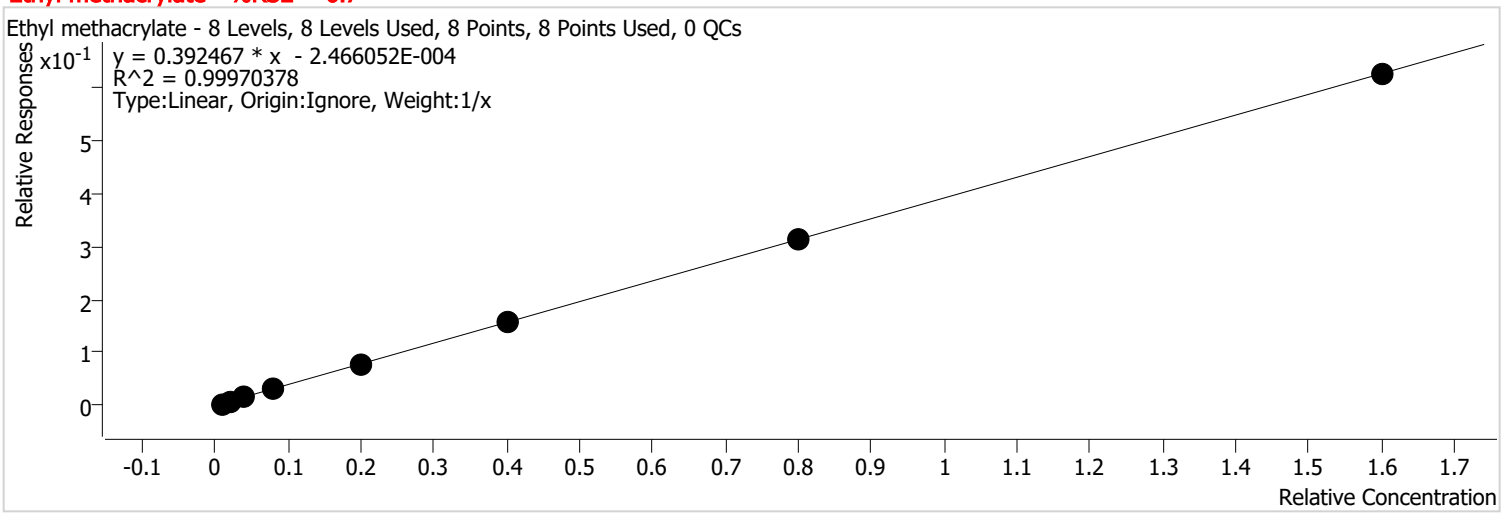
trans-1,3-Dichloropropene %RSE = 9.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	18634	0.2000	0.2869	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	53109	0.5000	0.3331	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	134141	1.0000	0.4183	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	259655	2.0000	0.3959	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	697656	5.0000	0.4256	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1493275	10.0000	0.4478	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	3184648	20.0000	0.4603	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	6636003	40.0000	0.4735	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

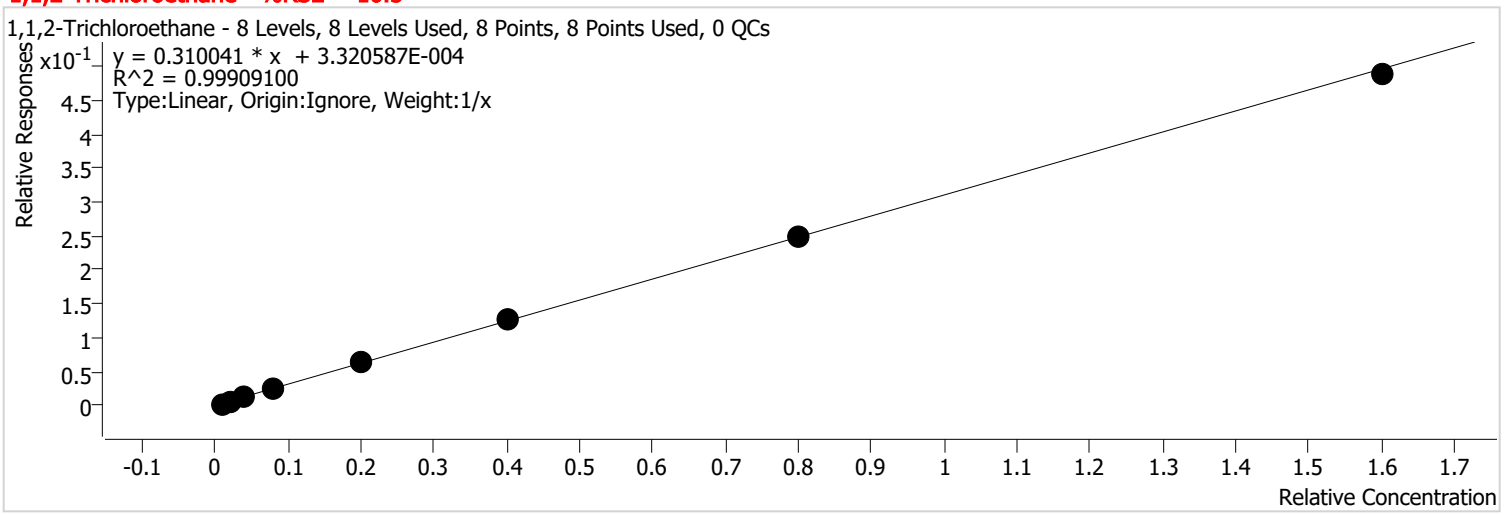
Ethyl methacrylate %RSE = 6.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	21041	0.2000	0.3240	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	58194	0.5000	0.3650	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	139768	1.0000	0.4359	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	255791	2.0000	0.3900	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	642259	5.0000	0.3918	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1324097	10.0000	0.3970	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	2700925	20.0000	0.3903	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	5479173	40.0000	0.3910	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

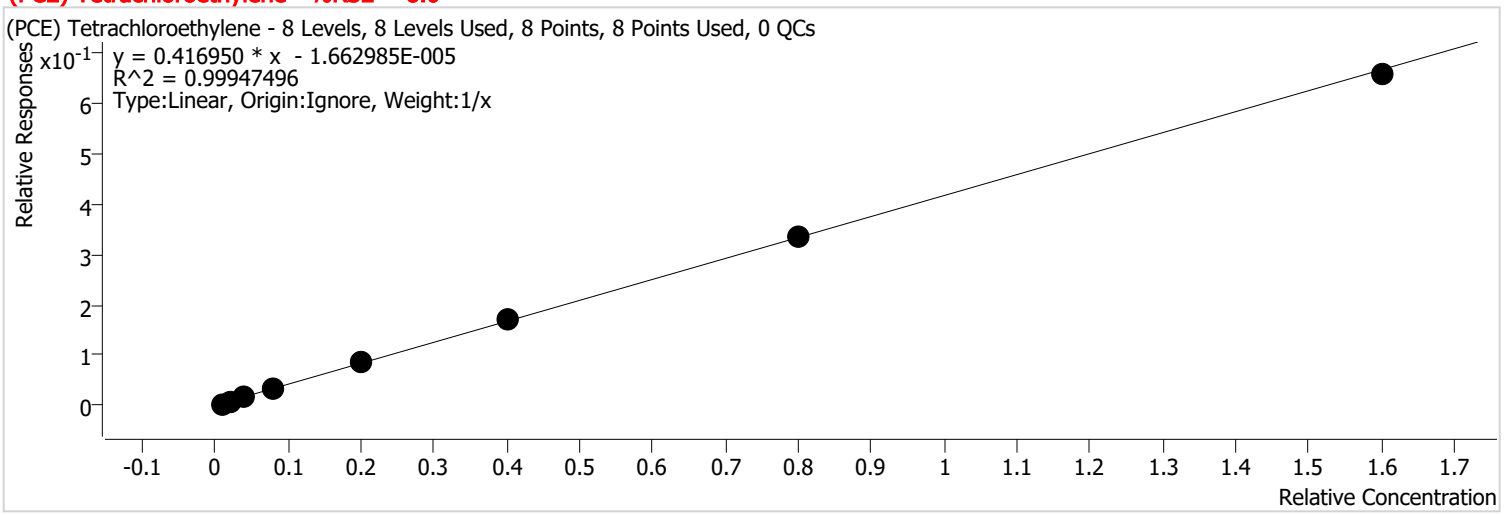
1,1,2-Trichloroethane %RSE = 10.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	19219	0.2000	0.2960	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	48682	0.5000	0.3053	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	117678	1.0000	0.3670	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	213533	2.0000	0.3256	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	531597	5.0000	0.3243	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1067048	10.0000	0.3199	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	2152293	20.0000	0.3111	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	4272542	40.0000	0.3049	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

(PCE) Tetrachloroethylene %RSE = 8.0

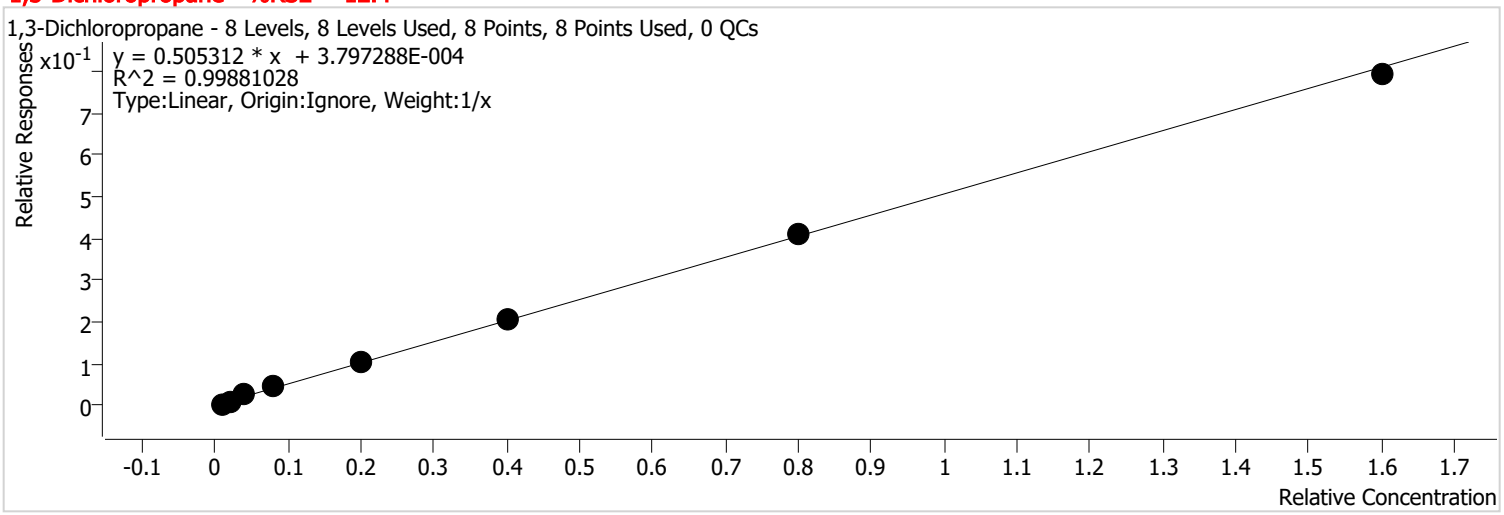


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	22996	0.2000	0.3541	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	63964	0.5000	0.4012	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	149092	1.0000	0.4649	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	280069	2.0000	0.4271	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	706390	5.0000	0.4309	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1408190	10.0000	0.4222	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	2911440	20.0000	0.4208	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	5755721	40.0000	0.4107	

Calibration Report

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

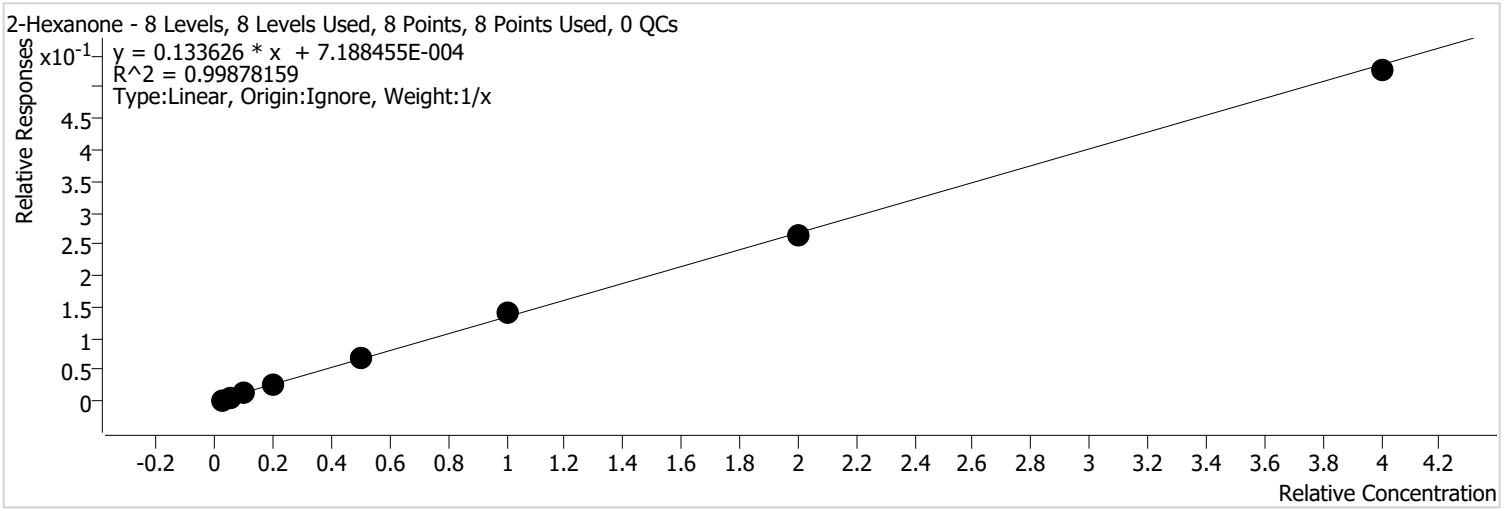
1,3-Dichloropropane %RSE = 12.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	27916	0.2000	0.4299	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	80546	0.5000	0.5052	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	190575	1.0000	0.5943	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	355614	2.0000	0.5423	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	868712	5.0000	0.5299	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1739153	10.0000	0.5215	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	3524473	20.0000	0.5094	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	6928408	40.0000	0.4944	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Hexanone %RSE = 13.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	21575	0.5000	0.1329	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	60000	1.2500	0.1505	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	128616	2.5000	0.1604	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	233605	5.0000	0.1425	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	581063	12.5000	0.1418	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1170325	25.0000	0.1404	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	2299584	50.0000	0.1329	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	4603208	100.0000	0.1314	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
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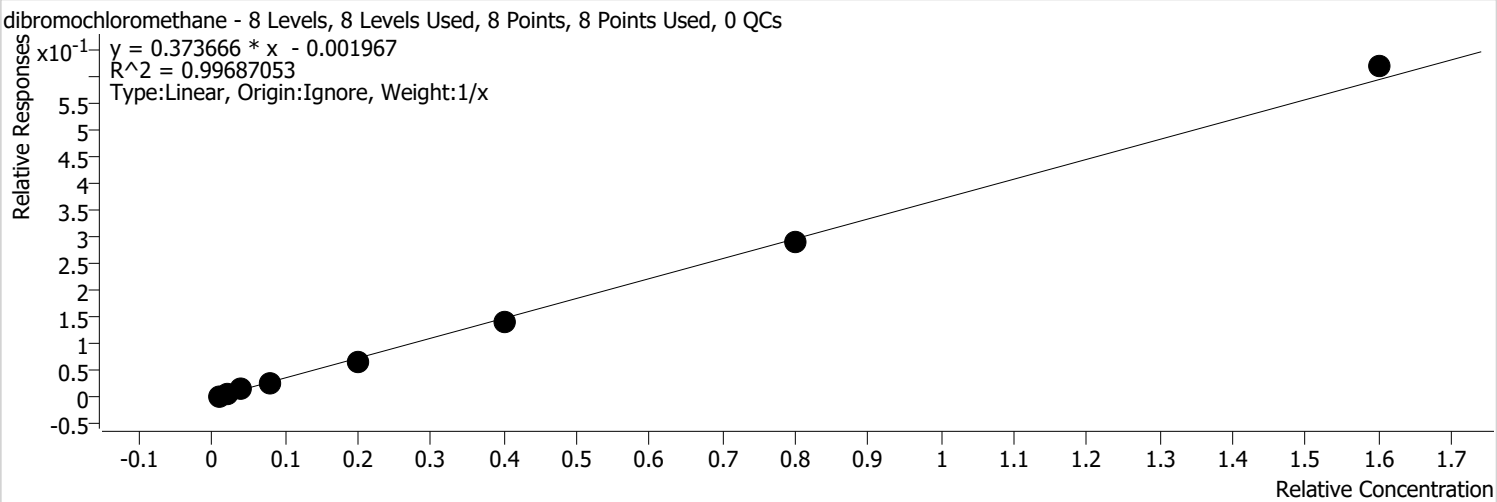
Quant Batch Version	10.0	**Quant Report Version**	10.0

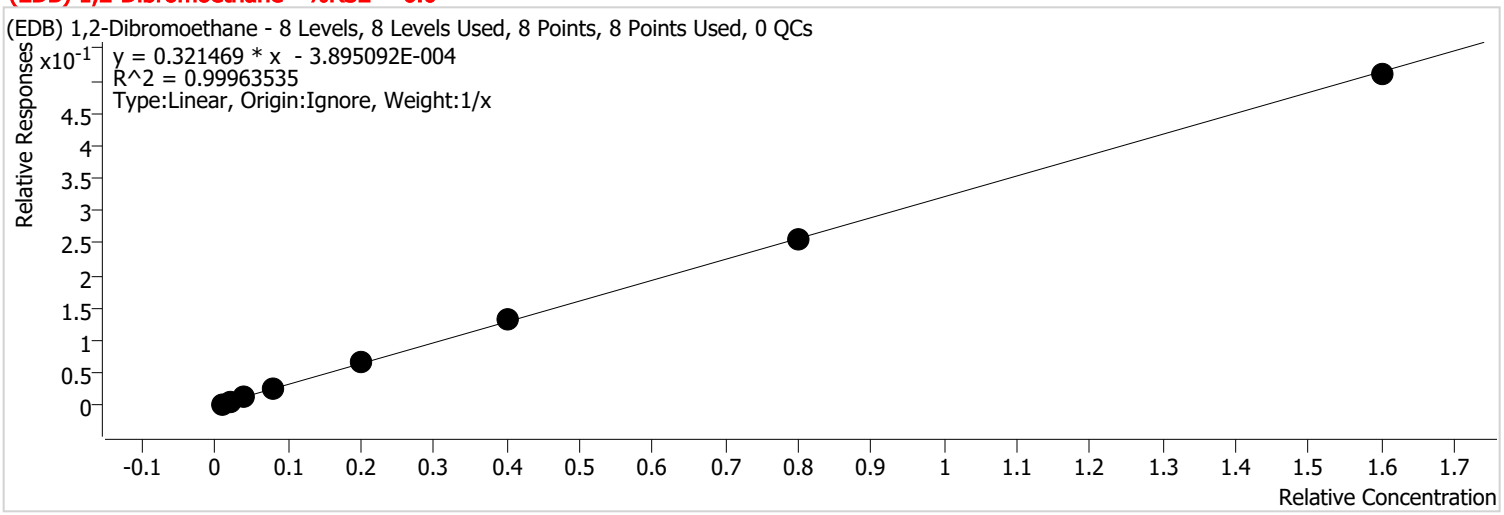
dibromochloromethane %RSE = 14.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	15536	0.2000	0.2392	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	43281	0.5000	0.2715	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	103125	1.0000	0.3216	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	195869	2.0000	0.2987	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	520837	5.0000	0.3177	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1172271	10.0000	0.3515	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	2525119	20.0000	0.3649	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	5433872	40.0000	0.3877	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

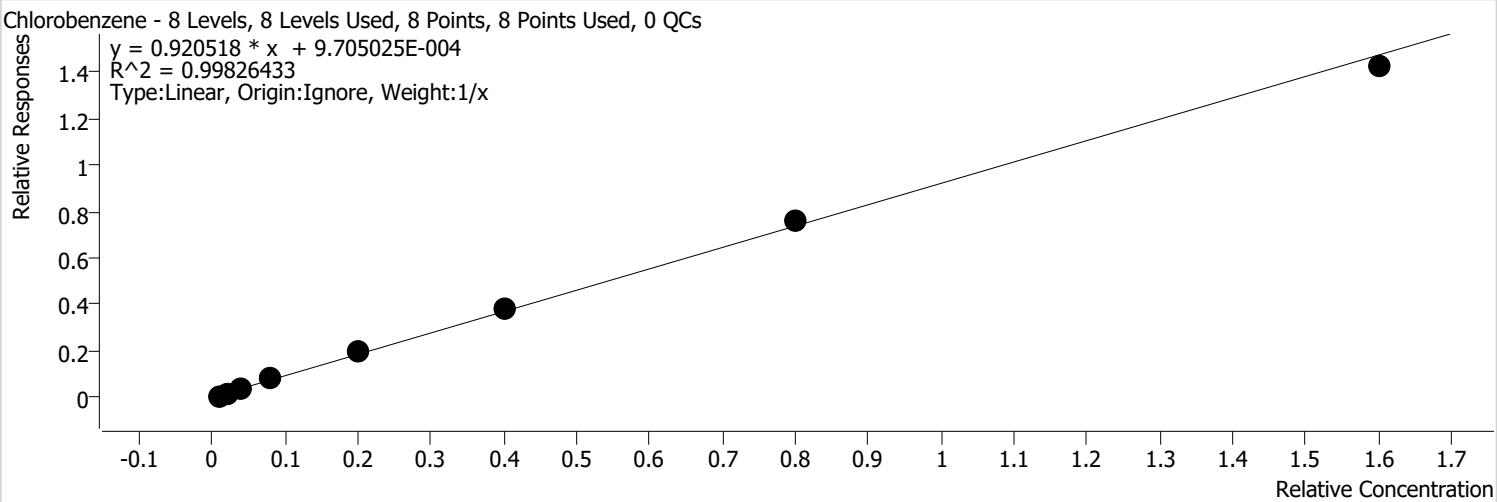
(EDB) 1,2-Dibromoethane %RSE = 6.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	15893	0.2000	0.2447	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	45799	0.5000	0.2872	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	110462	1.0000	0.3445	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	206686	2.0000	0.3152	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	534734	5.0000	0.3262	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1097973	10.0000	0.3292	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	2214417	20.0000	0.3200	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	4460307	40.0000	0.3183	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

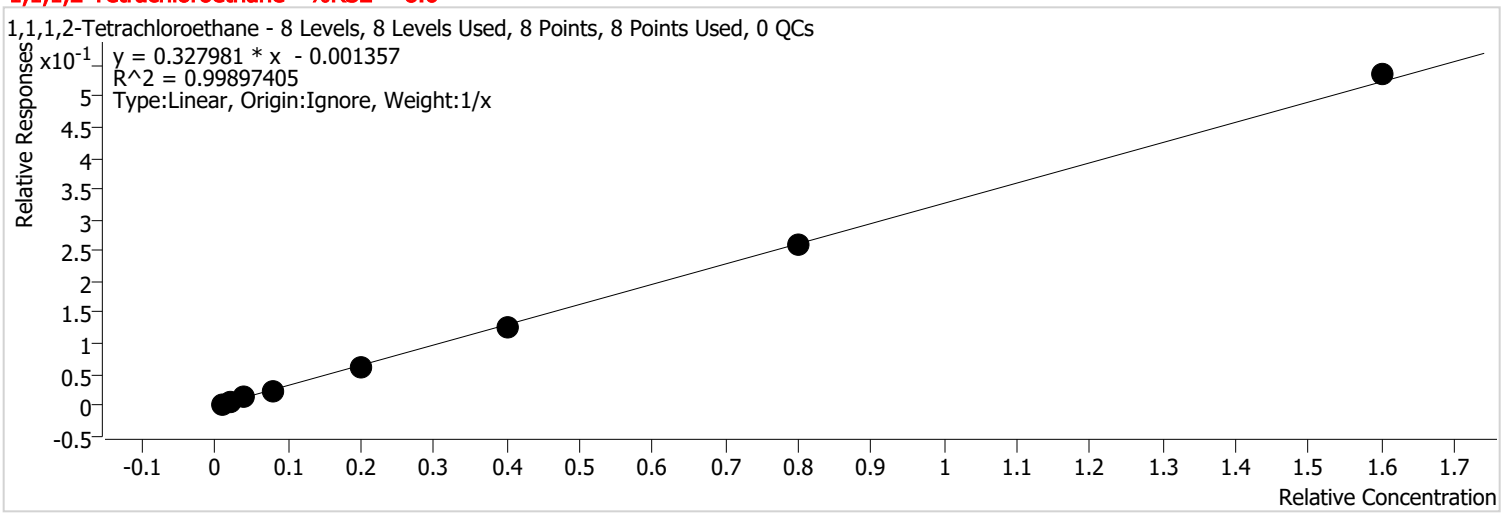
Chlorobenzene %RSE = 11.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	72170	0.2000	0.8403	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	199231	0.5000	0.9276	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	450805	1.0000	1.0628	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	855404	2.0000	0.9744	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	2116638	5.0000	0.9793	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	4331524	10.0000	0.9597	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	8533540	20.0000	0.9457	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	16215876	40.0000	0.8897	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

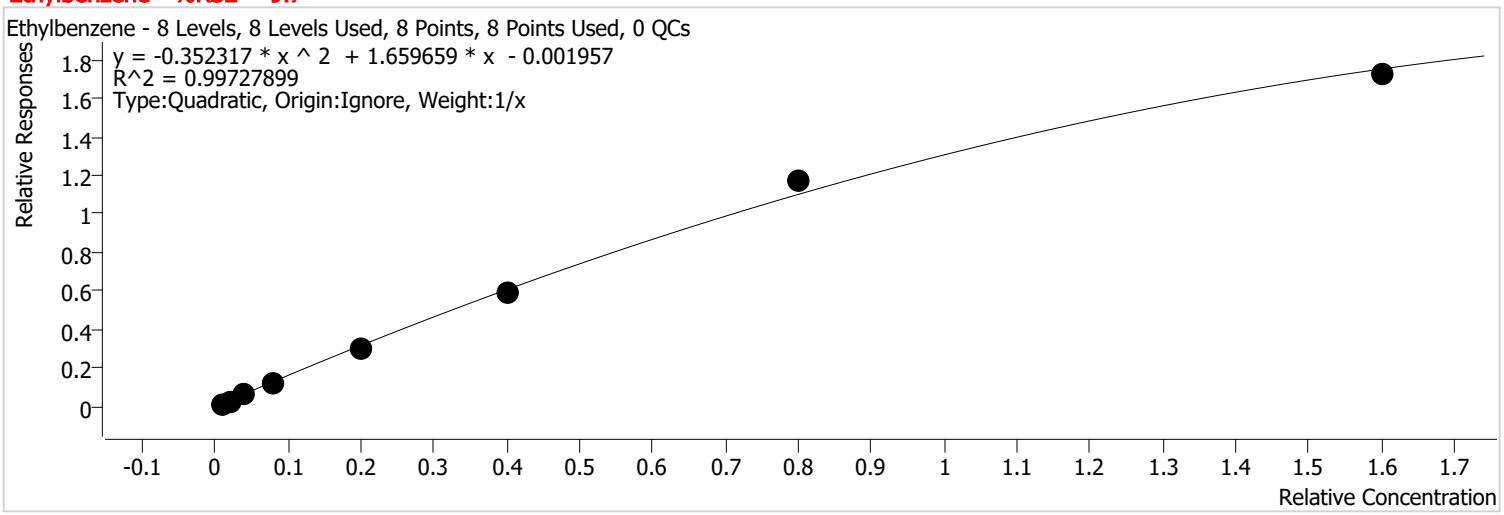
1,1,1,2-Tetrachloroethane %RSE = 8.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	18580	0.2000	0.2163	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	53005	0.5000	0.2468	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	127524	1.0000	0.3006	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	252112	2.0000	0.2872	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	649421	5.0000	0.3005	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1405486	10.0000	0.3114	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	2937576	20.0000	0.3255	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	6092852	40.0000	0.3343	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

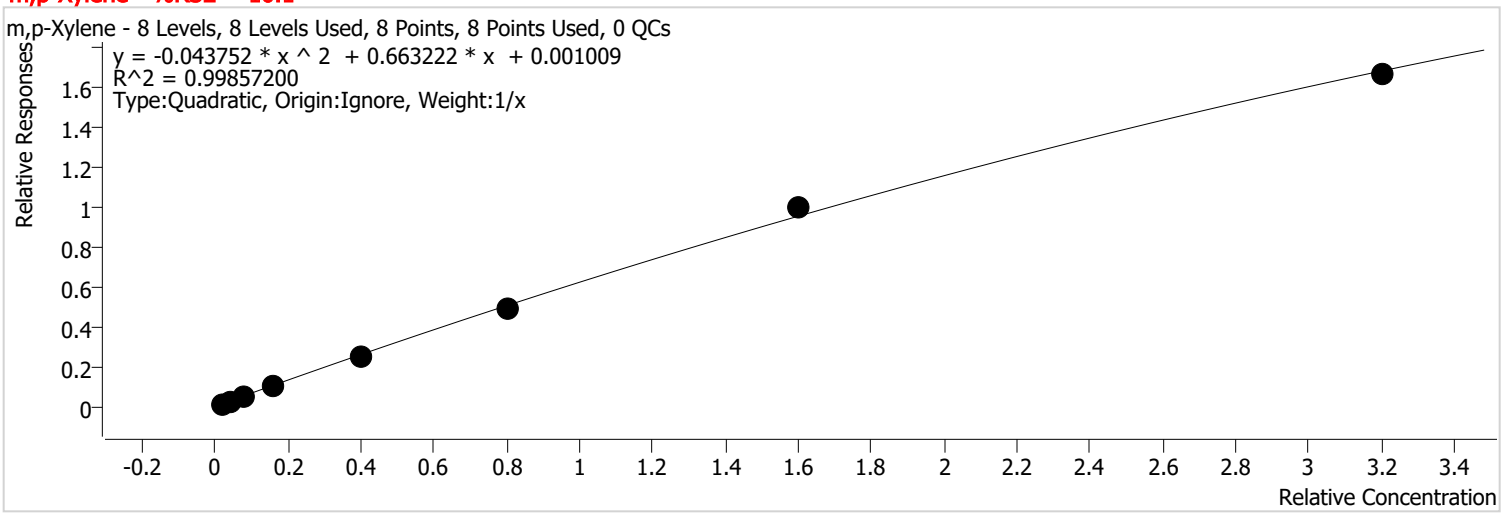
Ethylbenzene %RSE = 9.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	141406	0.2000	1.6464	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	308313	0.5000	1.4355	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	707899	1.0000	1.6689	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	1300196	2.0000	1.4811	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	3232305	5.0000	1.4954	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	6591127	10.0000	1.4603	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	13268168	20.0000	1.4704	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	19609479	40.0000	1.0759	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

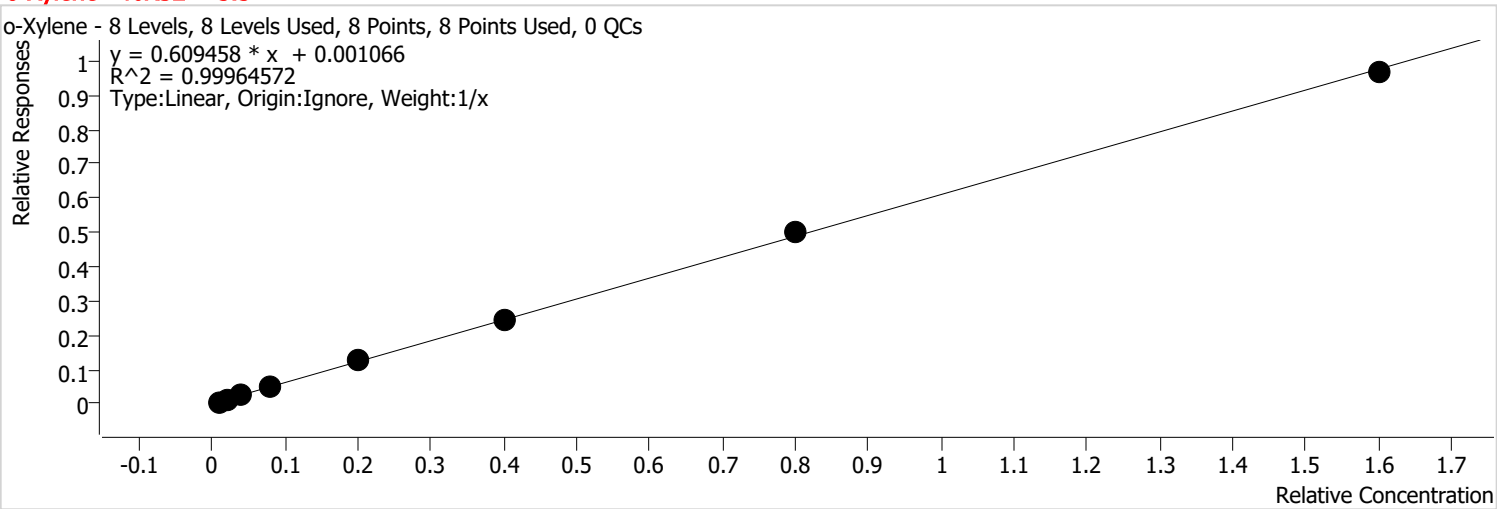
m,p-Xylene %RSE = 10.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	144064	0.4000	0.8387	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	264981	1.0000	0.6169	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	584964	2.0000	0.6895	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	1081287	4.0000	0.6159	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	2704637	10.0000	0.6256	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	5552489	20.0000	0.6151	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	11242039	40.0000	0.6229	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	18868579	80.0000	0.5176	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

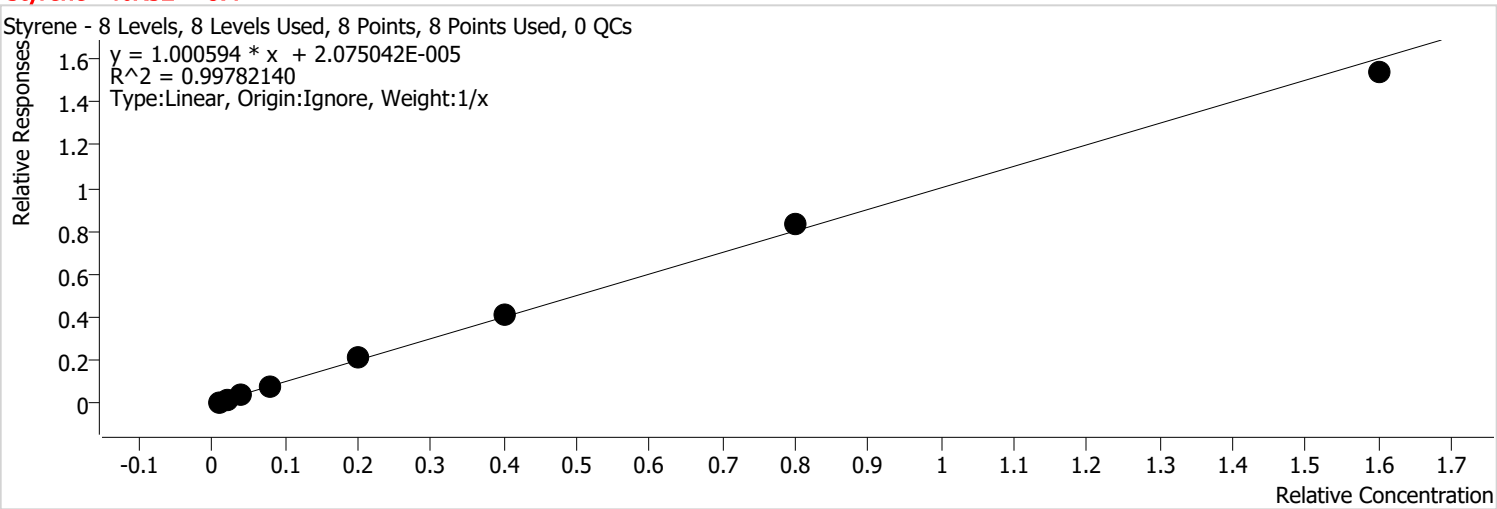
o-Xylene %RSE = 5.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	63646	0.2000	0.7411	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	129366	0.5000	0.6023	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	290750	1.0000	0.6854	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	551118	2.0000	0.6278	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	1343182	5.0000	0.6214	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	2741592	10.0000	0.6074	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	5621726	20.0000	0.6230	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	11001996	40.0000	0.6036	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

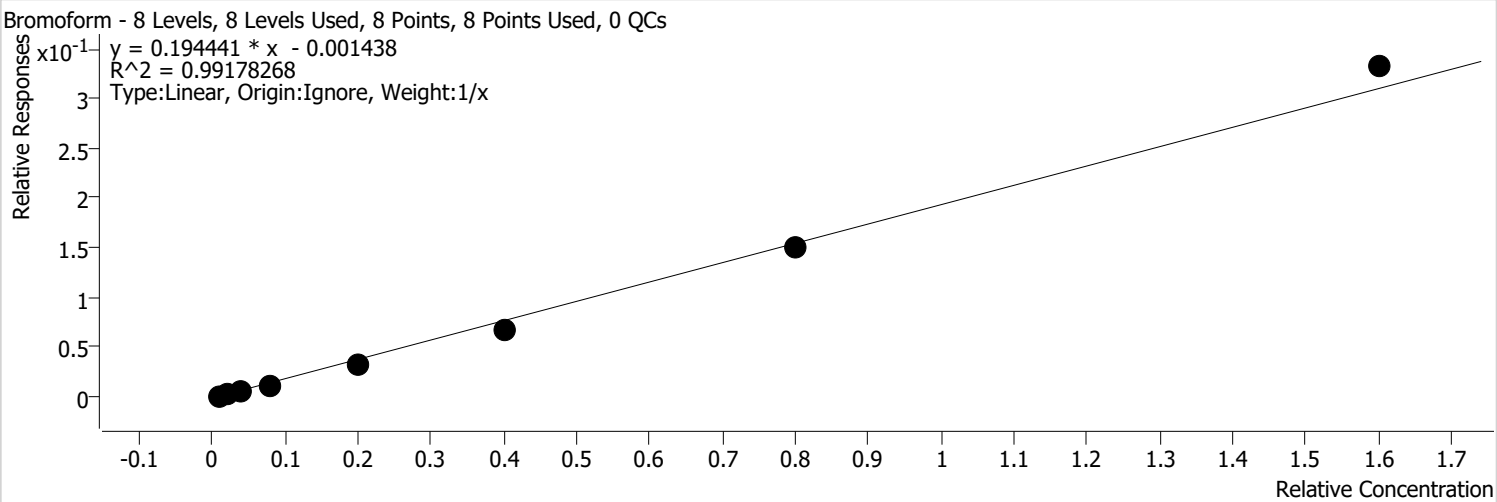
Styrene %RSE = 8.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	74492	0.2000	0.8673	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	198858	0.5000	0.9259	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	468902	1.0000	1.1054	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	893936	2.0000	1.0183	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	2259749	5.0000	1.0455	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	4686988	10.0000	1.0384	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	9464800	20.0000	1.0489	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	17489119	40.0000	0.9596	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

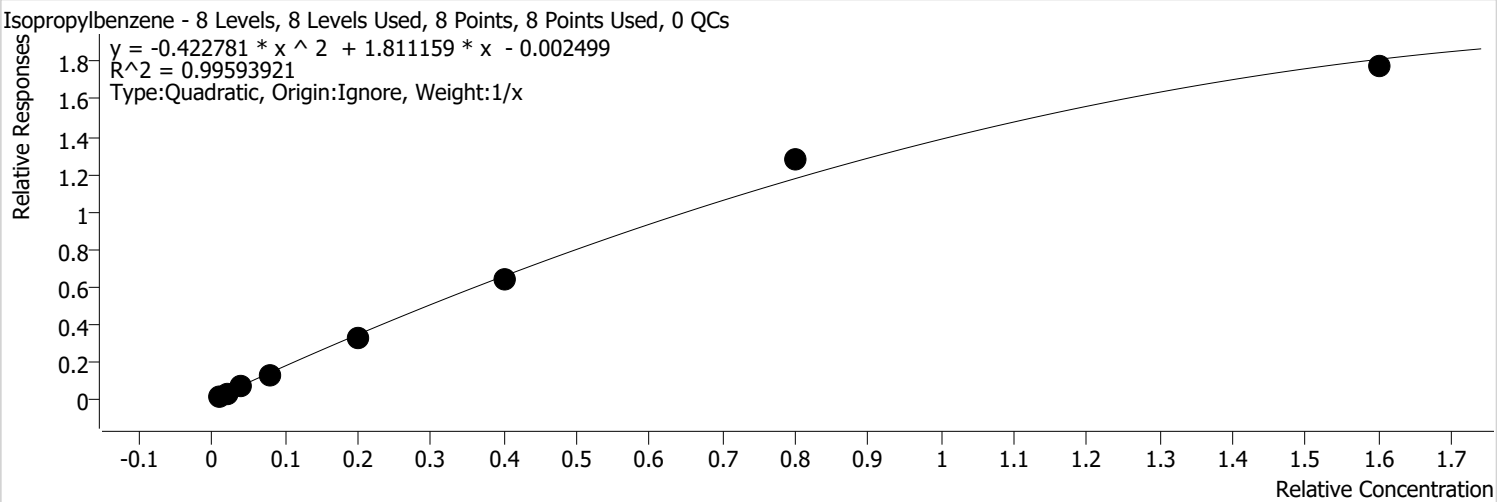
Bromoform %RSE = 21.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	8873	0.2000	0.1033	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	26673	0.5000	0.1242	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	63123	1.0000	0.1488	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	123788	2.0000	0.1410	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	338832	5.0000	0.1568	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	755667	10.0000	0.1674	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	1692613	20.0000	0.1876	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	3778101	40.0000	0.2073	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

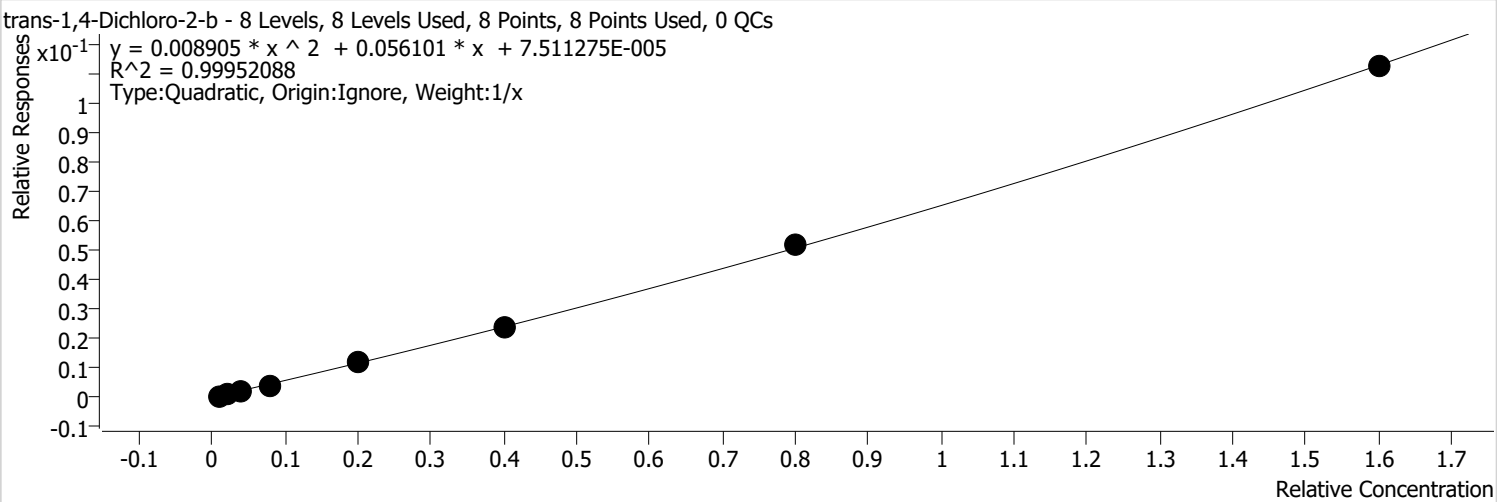
Isopropylbenzene %RSE = 14.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	166590	0.2000	1.9397	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	320600	0.5000	1.4928	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	728614	1.0000	1.7177	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	1372942	2.0000	1.5640	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	3466317	5.0000	1.6037	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	7163459	10.0000	1.5871	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	14355966	20.0000	1.5909	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	20196435	40.0000	1.1081	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

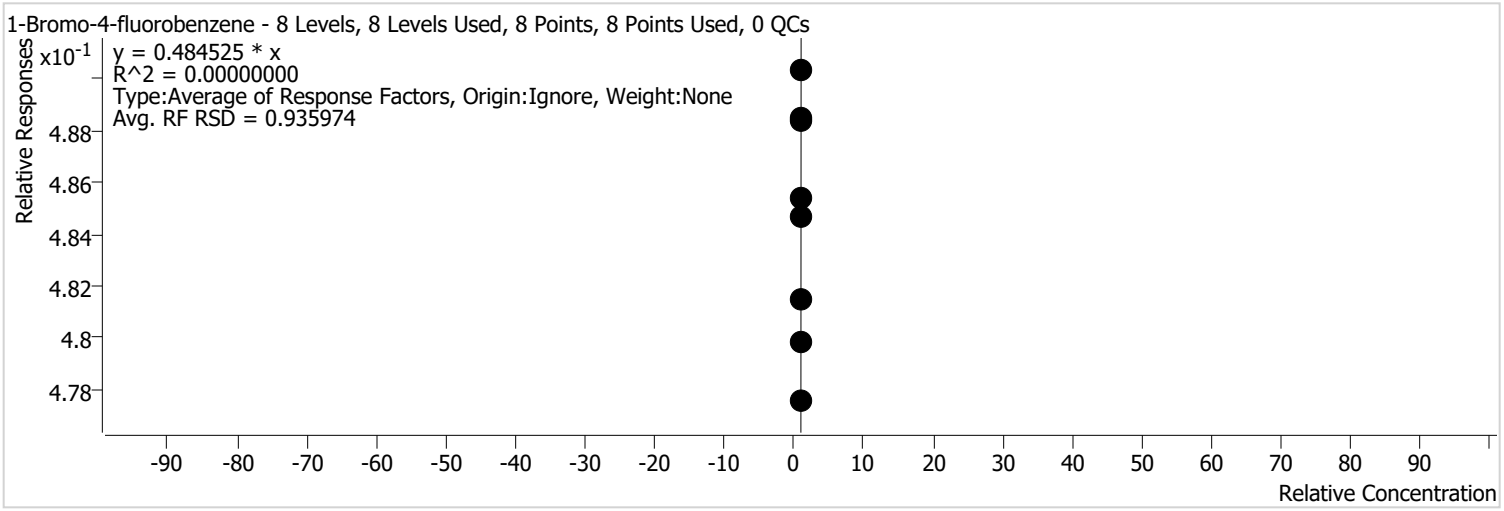
trans-1,4-Dichloro-2-b %RSE = 8.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	6178	0.2000	0.0719	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	11978	0.5000	0.0558	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	26116	1.0000	0.0616	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	45608	2.0000	0.0520	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	126394	5.0000	0.0585	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	265883	10.0000	0.0589	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	584756	20.0000	0.0648	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	1277528	40.0000	0.0701	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

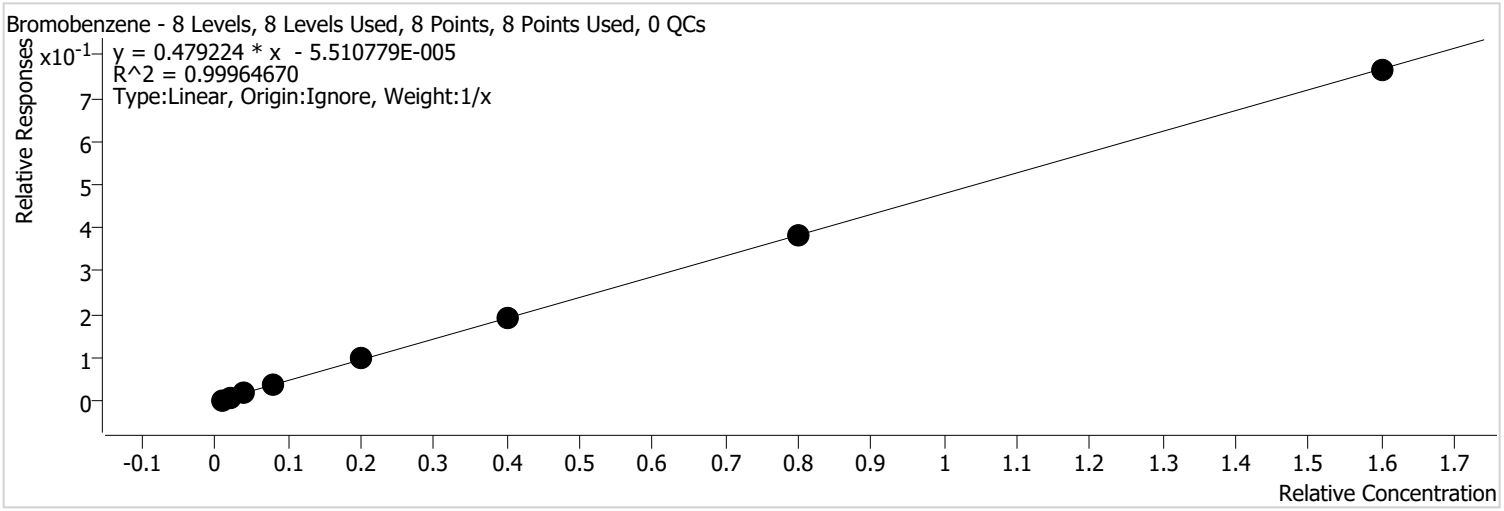
1-Bromo-4-fluorobenzene %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	5563025	25.0000	0.4884	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	5474960	25.0000	0.4854	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	5389135	25.0000	0.4776	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	5279343	25.0000	0.4885	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	5265489	25.0000	0.4799	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	5105792	25.0000	0.4815	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	5205226	25.0000	0.4847	
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	5263866	25.0000	0.4903	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

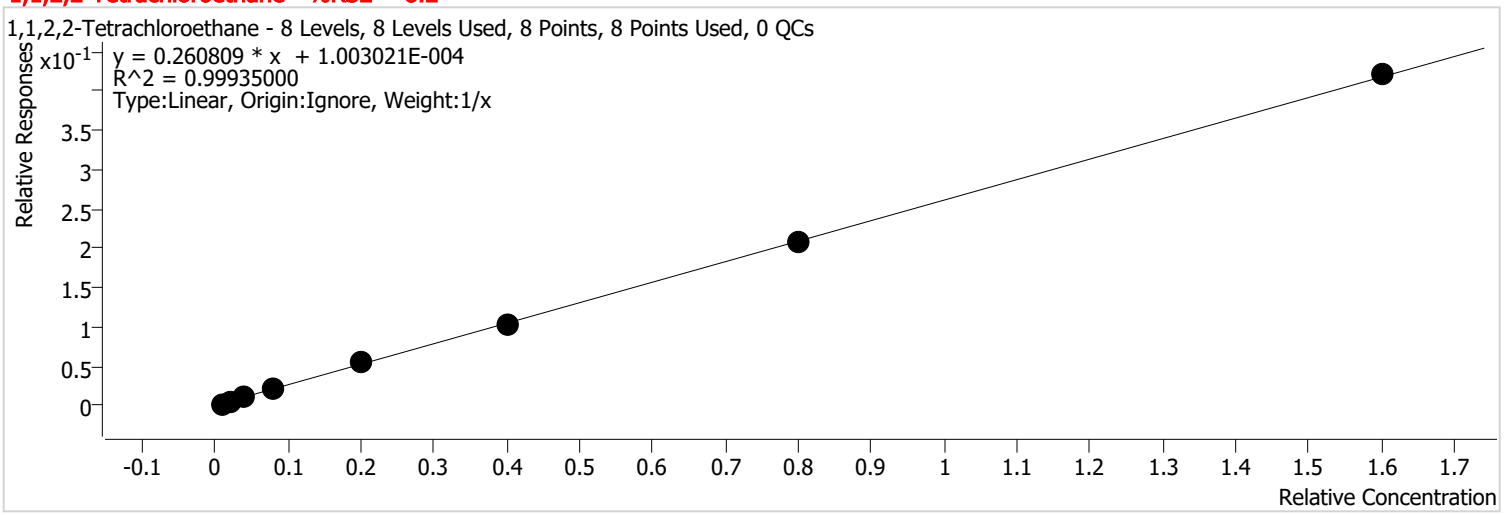
Bromobenzene %RSE = 6.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	37038	0.2000	0.4312	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	95605	0.5000	0.4451	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	224744	1.0000	0.5298	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	429624	2.0000	0.4894	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	1071346	5.0000	0.4957	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	2135485	10.0000	0.4731	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	4335545	20.0000	0.4805	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	8688091	40.0000	0.4767	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

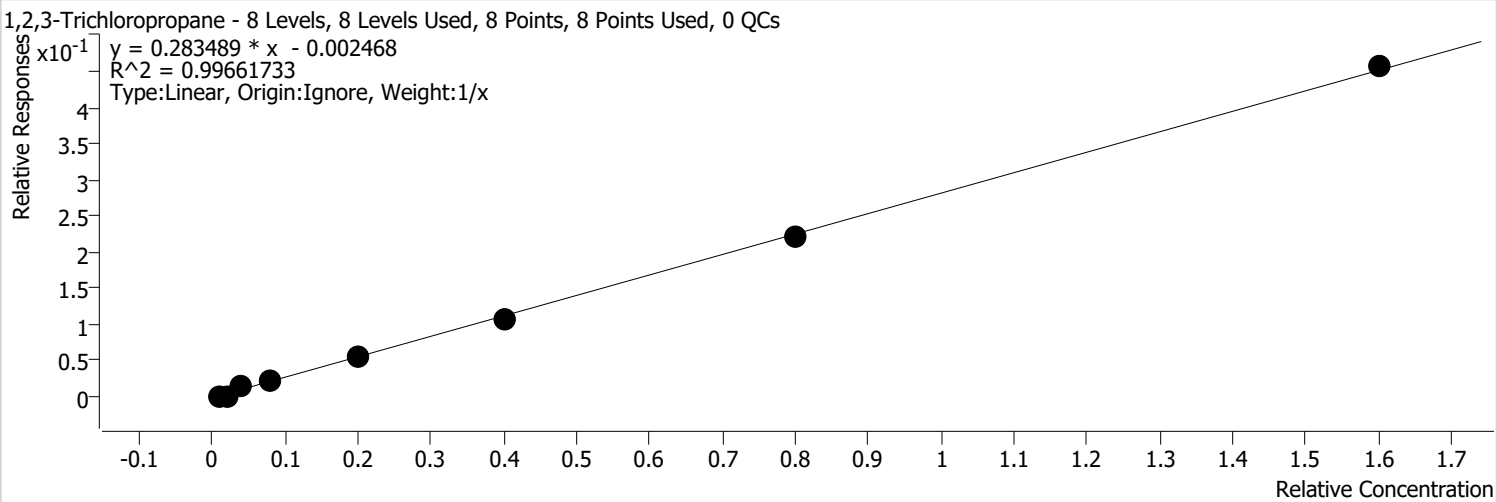
1,1,2,2-Tetrachloroethane %RSE = 8.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	21234	0.2000	0.2472	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	55030	0.5000	0.2562	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	129930	1.0000	0.3063	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	225105	2.0000	0.2564	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	579348	5.0000	0.2680	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1144154	10.0000	0.2535	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	2330942	20.0000	0.2583	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	4787761	40.0000	0.2627	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

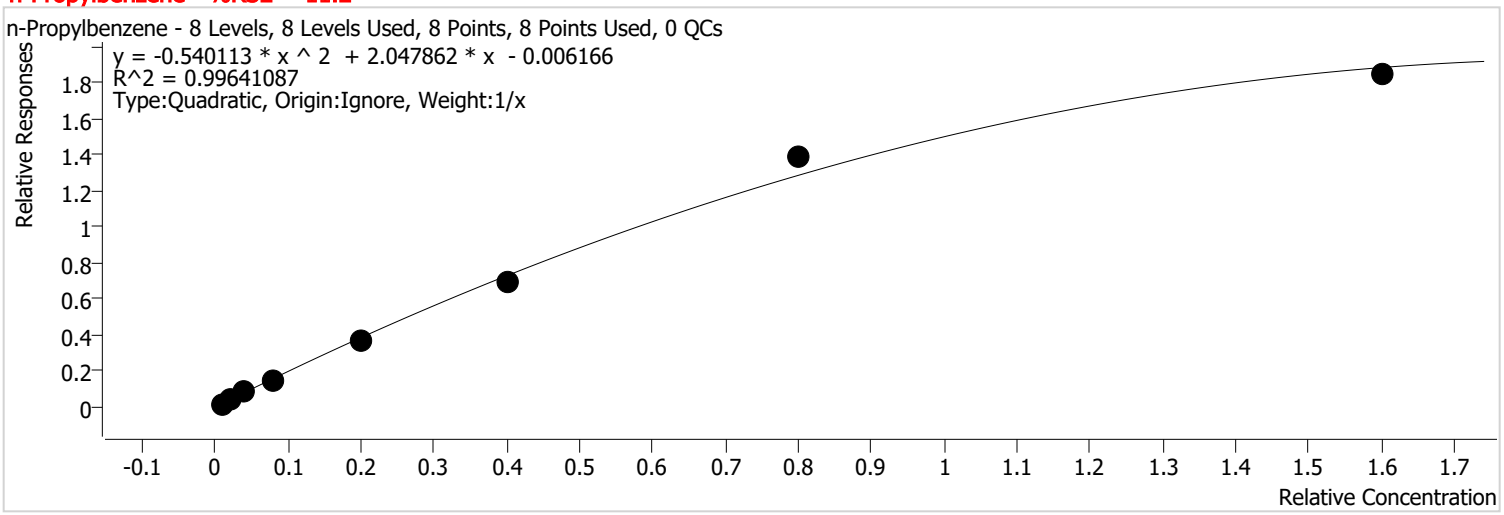
1,2,3-Trichloropropane %RSE = 24.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	1840	0.2000	0.0214	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	5255	0.5000	0.0245	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	132592	1.0000	0.3126	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	227030	2.0000	0.2586	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	590685	5.0000	0.2733	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1216525	10.0000	0.2695	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	2483804	20.0000	0.2753	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	5196106	40.0000	0.2851	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

n-Propylbenzene %RSE = 11.2

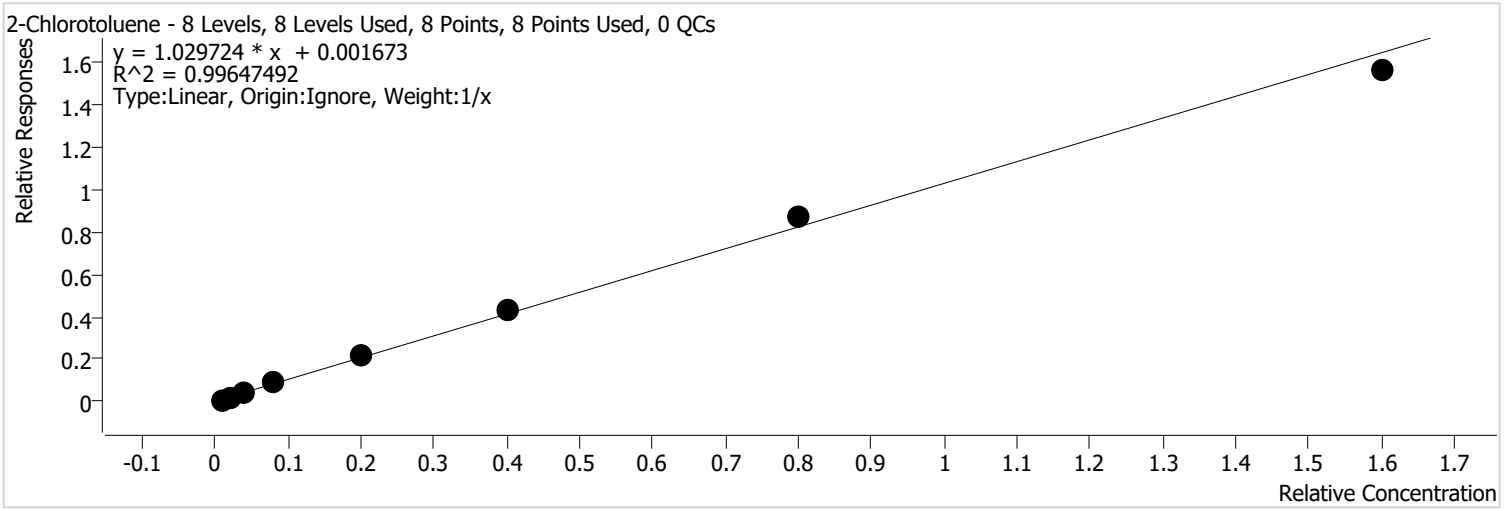


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	138778	0.2000	1.6158	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	343697	0.5000	1.6003	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	806133	1.0000	1.9005	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	1542916	2.0000	1.7576	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	3899592	5.0000	1.8041	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	7882302	10.0000	1.7463	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	15660905	20.0000	1.7355	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	21039814	40.0000	1.1544	

Calibration Report

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

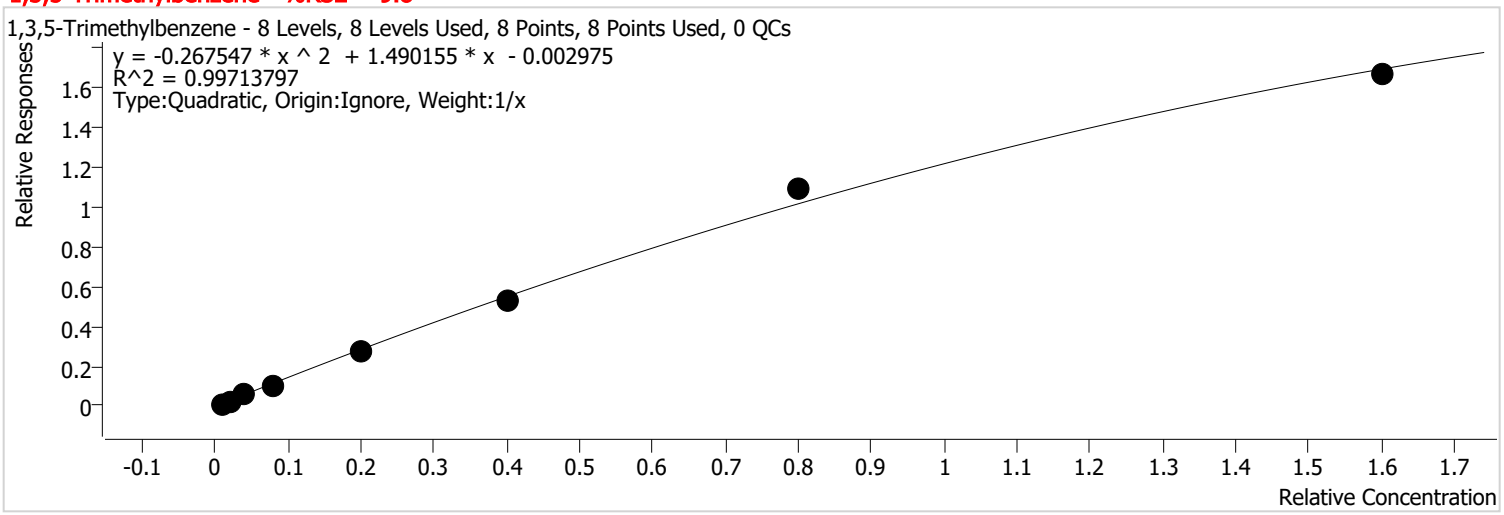
2-Chlorotoluene %RSE = 11.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	89290	0.2000	1.0396	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	216723	0.5000	1.0091	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	509507	1.0000	1.2012	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	971332	2.0000	1.1065	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	2399451	5.0000	1.1101	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	4831150	10.0000	1.0704	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	9877899	20.0000	1.0947	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	17815712	40.0000	0.9775	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

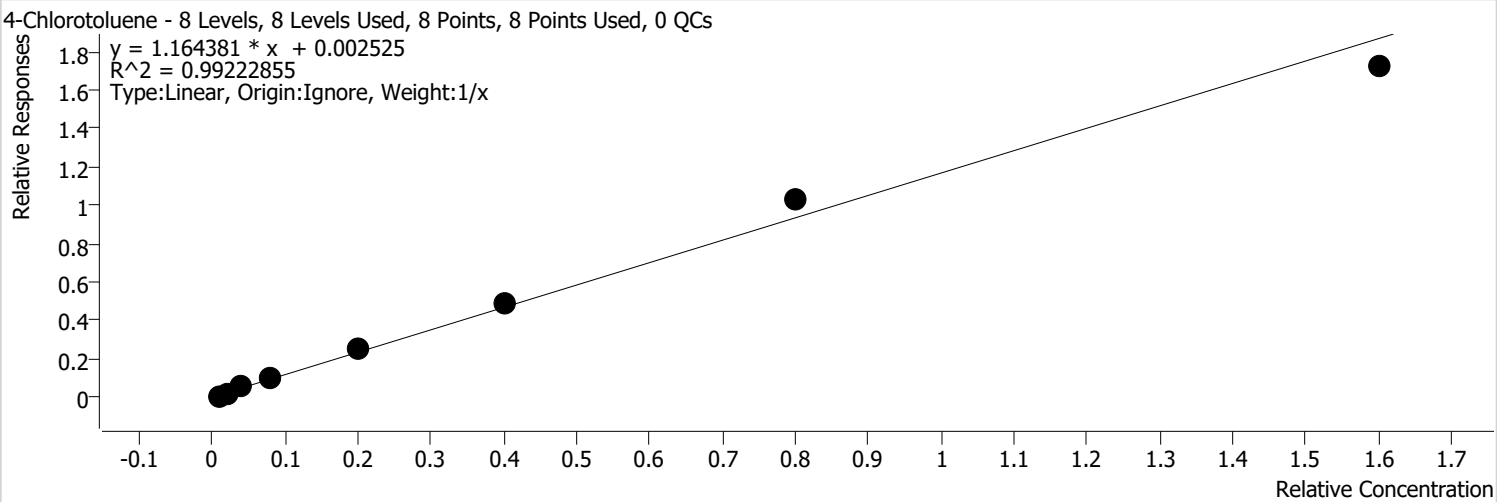
1,3,5-Trimethylbenzene %RSE = 9.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	114202	0.2000	1.3297	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	262530	0.5000	1.2224	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	623687	1.0000	1.4703	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	1159193	2.0000	1.3205	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	2934376	5.0000	1.3576	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	5918149	10.0000	1.3112	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	12317096	20.0000	1.3650	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	18997920	40.0000	1.0424	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

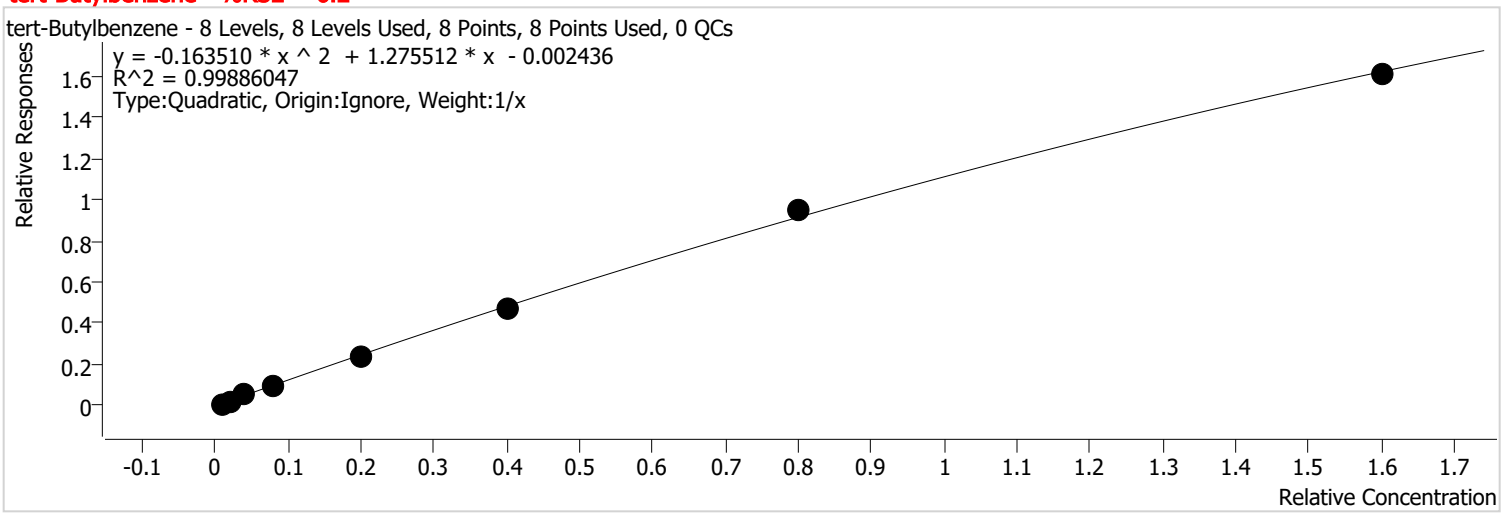
4-Chlorotoluene %RSE = 15.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	97447	0.2000	1.1346	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	256355	0.5000	1.1936	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	594409	1.0000	1.4013	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	1112316	2.0000	1.2671	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	2784378	5.0000	1.2882	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	5579348	10.0000	1.2361	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	11548231	20.0000	1.2798	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	19585940	40.0000	1.0746	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

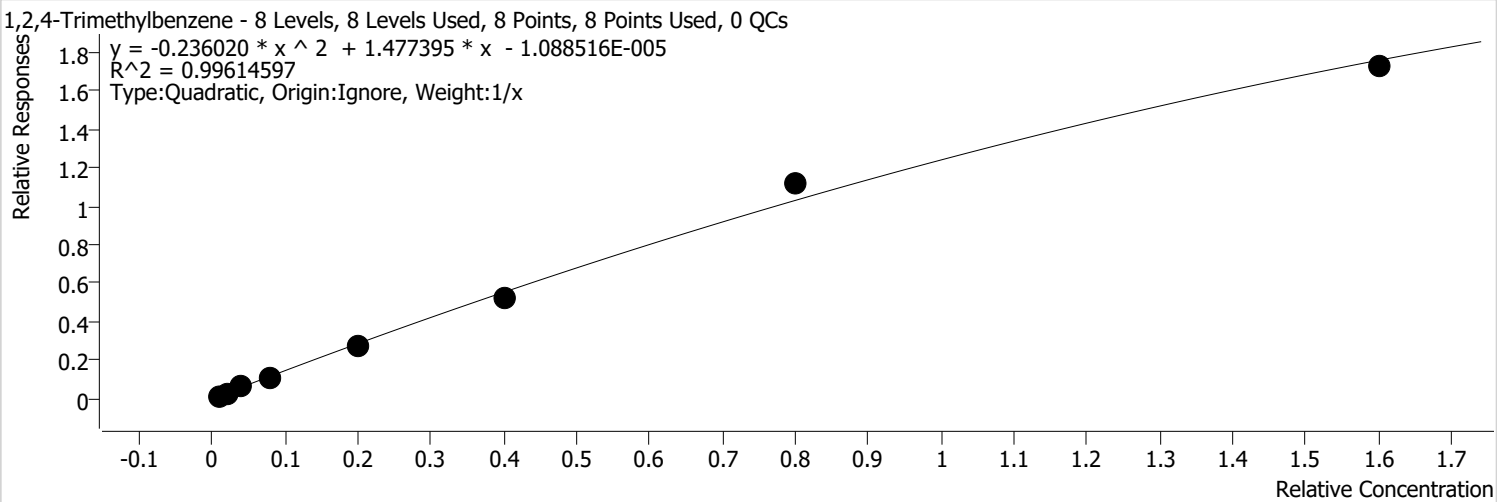
tert-Butylbenzene %RSE = 6.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	90048	0.2000	1.0485	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	232361	0.5000	1.0819	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	548816	1.0000	1.2938	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	1020715	2.0000	1.1627	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	2610404	5.0000	1.2077	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	5232495	10.0000	1.1593	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	10754940	20.0000	1.1919	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	18282459	40.0000	1.0031	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

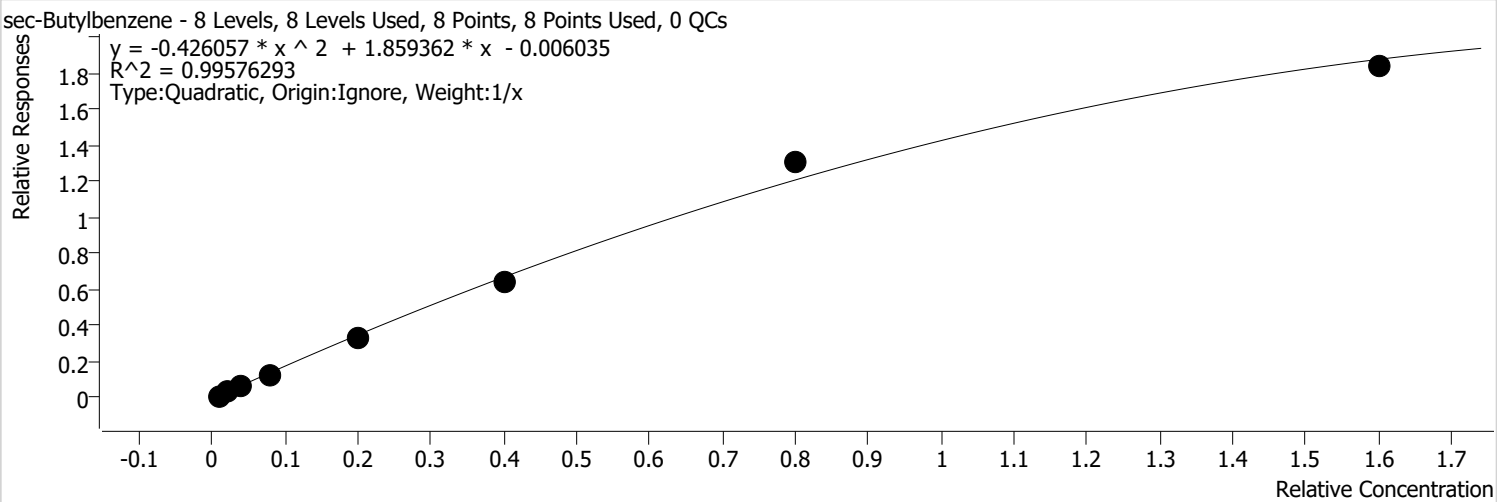
1,2,4-Trimethylbenzene %RSE = 14.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	156928	0.2000	1.8272	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	275699	0.5000	1.2837	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	635228	1.0000	1.4975	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	1146976	2.0000	1.3066	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	2969589	5.0000	1.3739	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	5914074	10.0000	1.3103	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	12596125	20.0000	1.3959	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	19660689	40.0000	1.0787	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

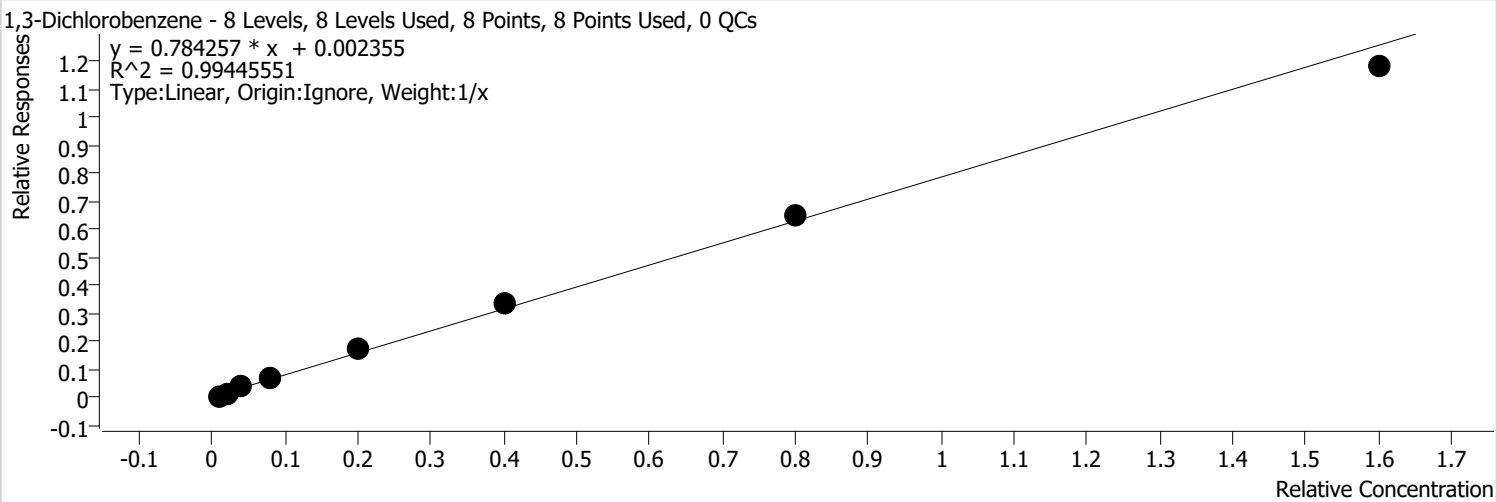
sec-Butylbenzene %RSE = 11.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	119185	0.2000	1.3877	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	311676	0.5000	1.4512	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	746622	1.0000	1.7602	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	1374213	2.0000	1.5654	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	3566230	5.0000	1.6499	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	7172890	10.0000	1.5892	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	14826940	20.0000	1.6431	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	20924189	40.0000	1.1481	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

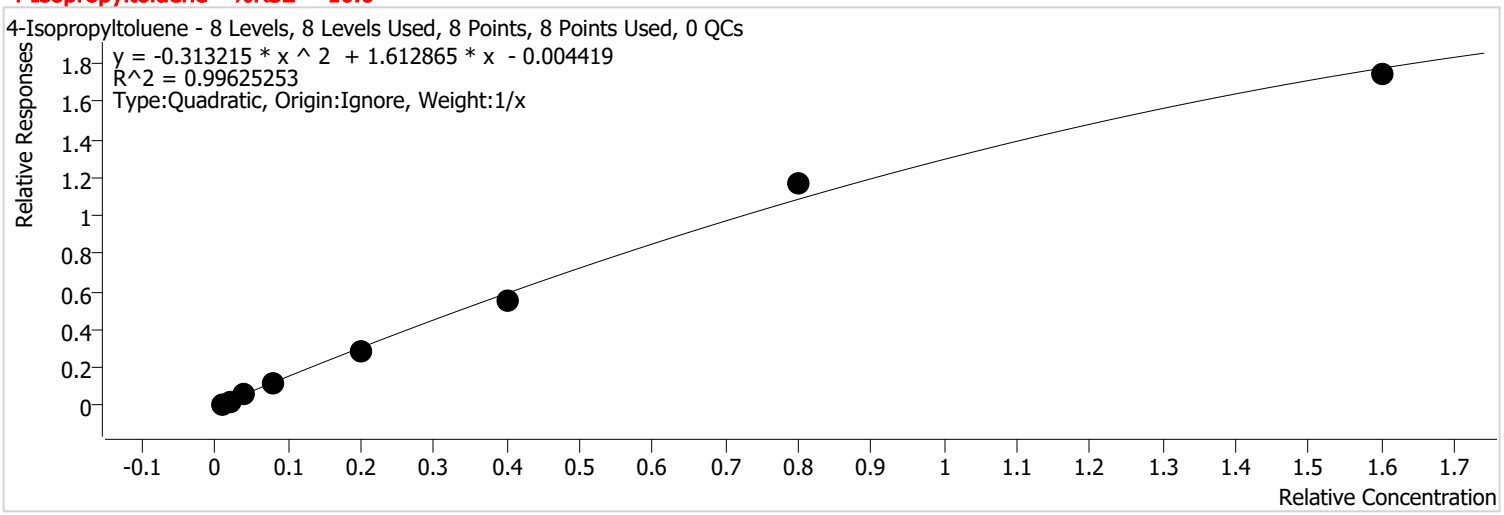
1,3-Dichlorobenzene %RSE = 19.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	60662	0.2000	0.7617	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	166480	0.5000	0.8540	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	398141	1.0000	0.9923	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	708901	2.0000	0.8964	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	1791817	5.0000	0.8837	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	3537612	10.0000	0.8519	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	7431801	20.0000	0.8187	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	14741215	40.0000	0.7379	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

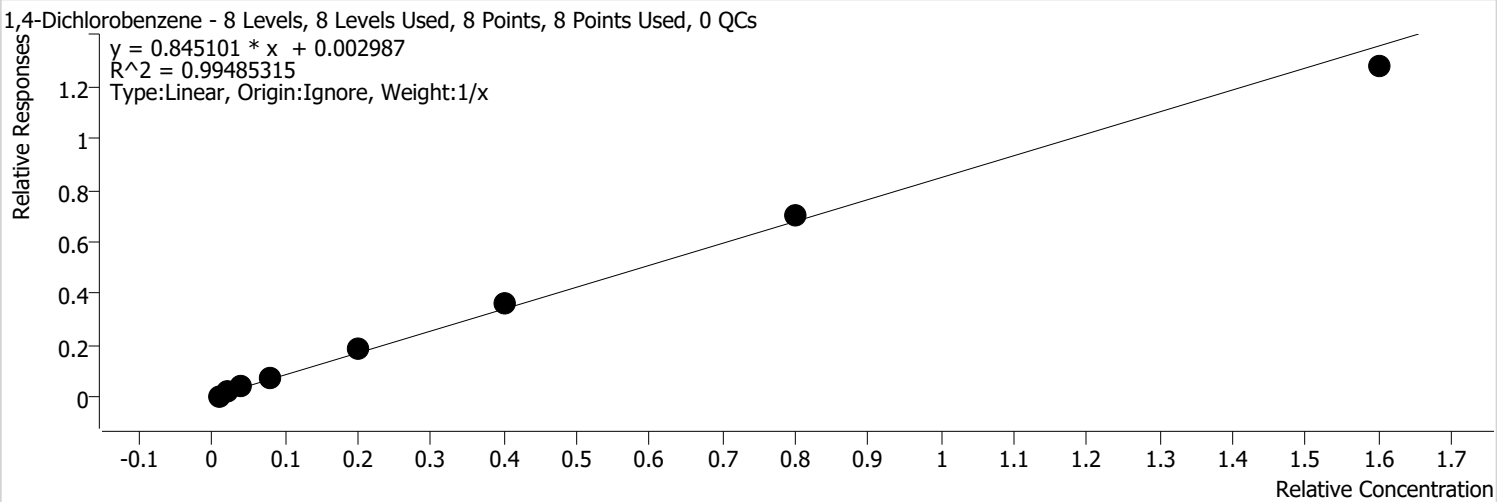
4-Isopropyltoluene %RSE = 10.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	108782	0.2000	1.2666	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	277210	0.5000	1.2907	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	671680	1.0000	1.5835	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	1216644	2.0000	1.3859	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	3159329	5.0000	1.4617	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	6280491	10.0000	1.3915	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	13254971	20.0000	1.4689	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	19822326	40.0000	1.0876	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

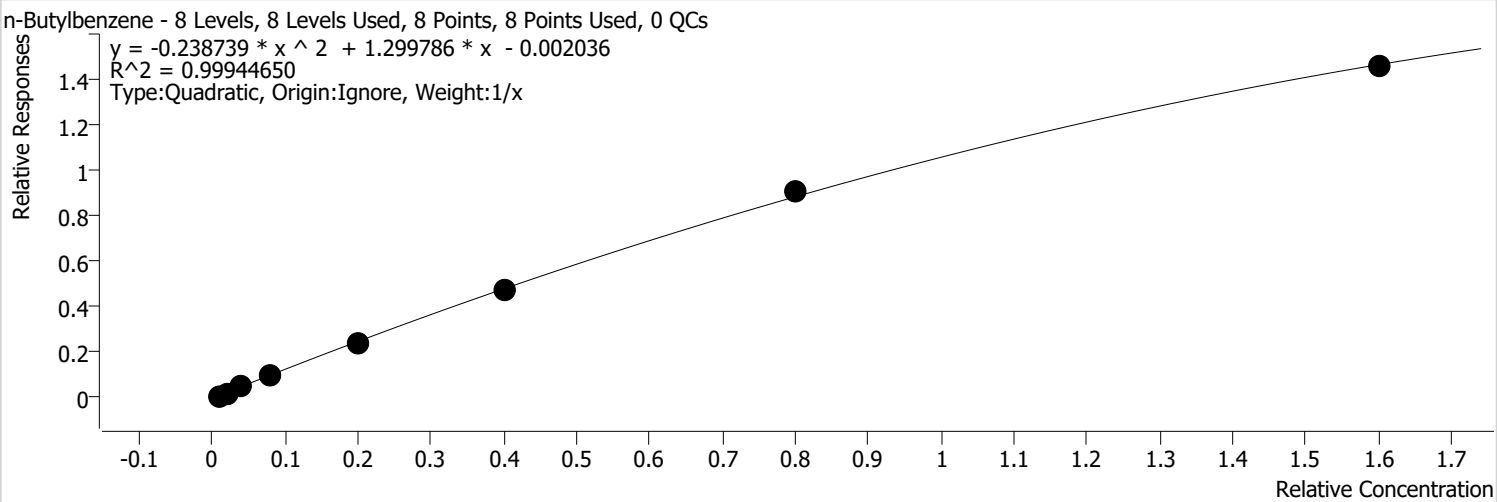
1,4-Dichlorobenzene %RSE = 19.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	69347	0.2000	0.8708	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	188896	0.5000	0.9689	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	425134	1.0000	1.0596	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	777831	2.0000	0.9836	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	1909248	5.0000	0.9416	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	3825055	10.0000	0.9212	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	7994379	20.0000	0.8807	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	15926136	40.0000	0.7972	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

n-Butylbenzene %RSE = 6.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	91366	0.2000	1.1473	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	214690	0.5000	1.1013	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	525072	1.0000	1.3087	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	944769	2.0000	1.1947	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	2443839	5.0000	1.2052	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	4955378	10.0000	1.1934	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	10292715	20.0000	1.1339	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	18193076	40.0000	0.9107	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
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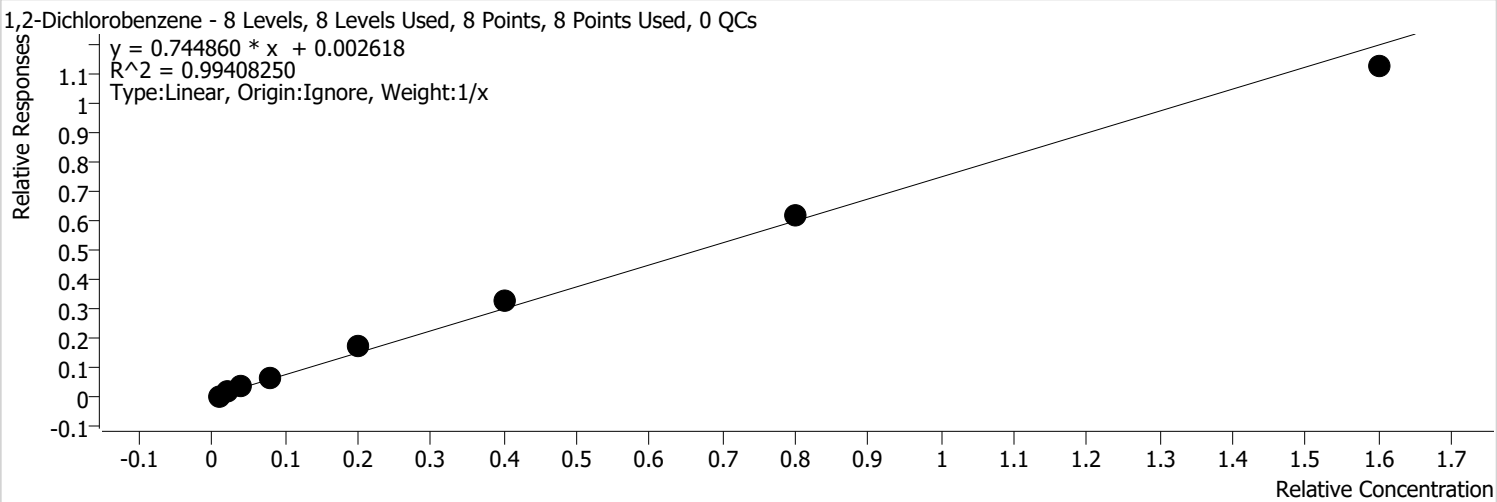
Quant Batch Version	10.0	**Quant Report Version**	10.0

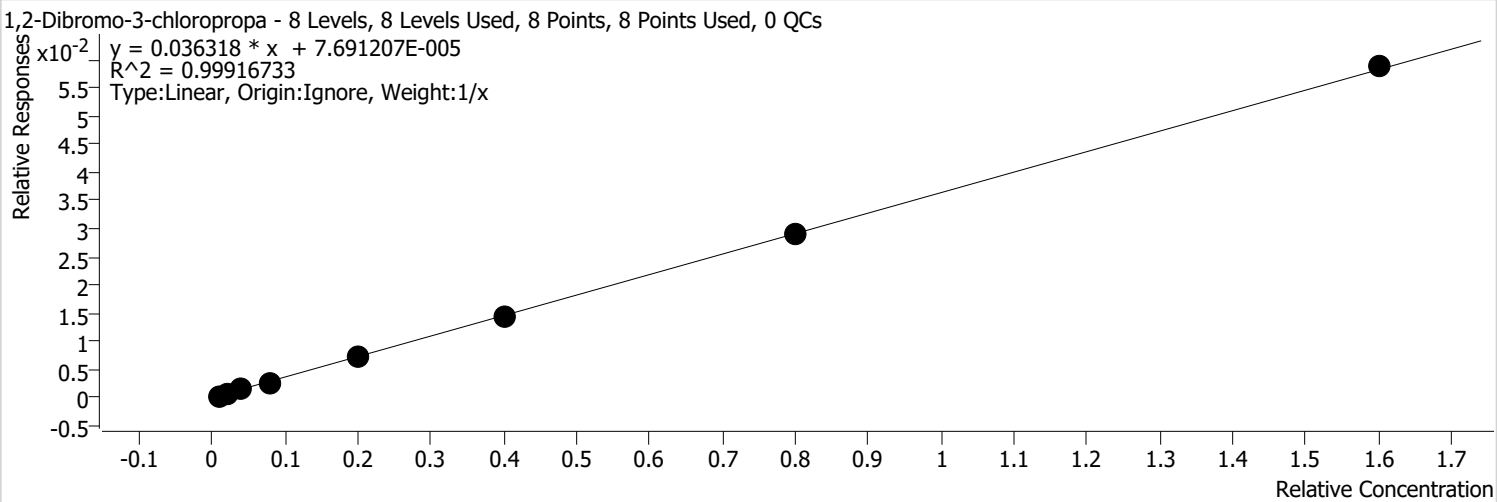
1,2-Dichlorobenzene %RSE = 21.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	58937	0.2000	0.7401	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	166643	0.5000	0.8548	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	377581	1.0000	0.9411	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	681397	2.0000	0.8616	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	1730235	5.0000	0.8533	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	3386098	10.0000	0.8155	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	7015138	20.0000	0.7728	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	13997825	40.0000	0.7007	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

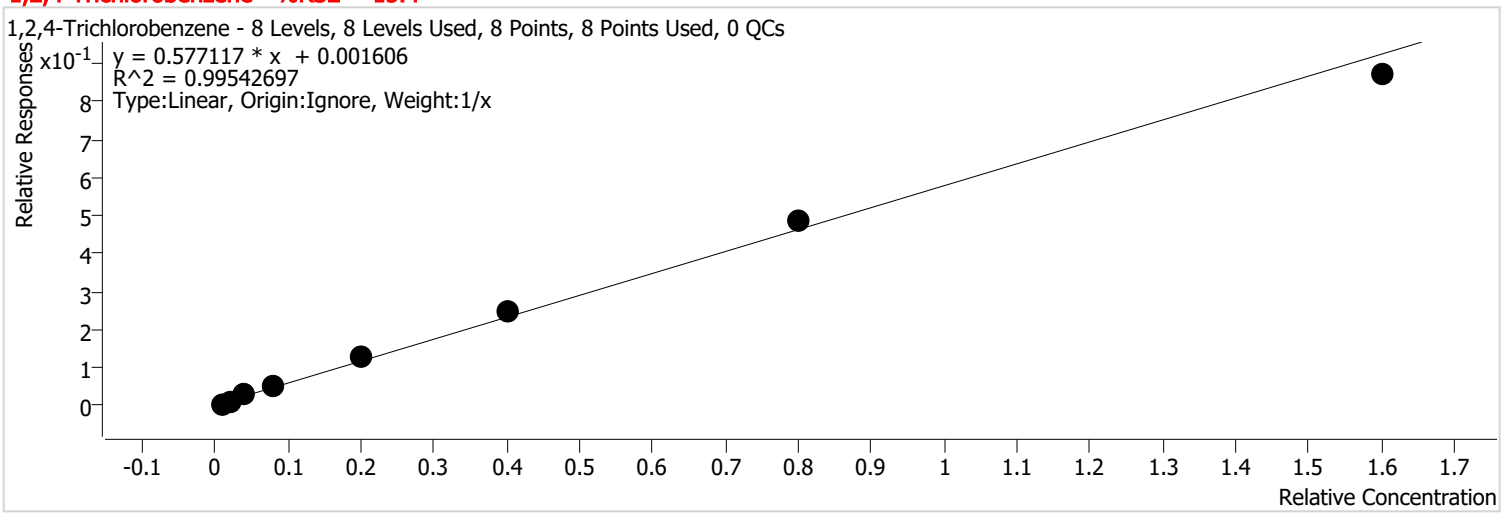
1,2-Dibromo-3-chloropropa %RSE = 8.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	3806	0.2000	0.0478	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	7627	0.5000	0.0391	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	17235	1.0000	0.0430	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	25741	2.0000	0.0325	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	72326	5.0000	0.0357	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	152000	10.0000	0.0366	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	328808	20.0000	0.0362	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	732956	40.0000	0.0367	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

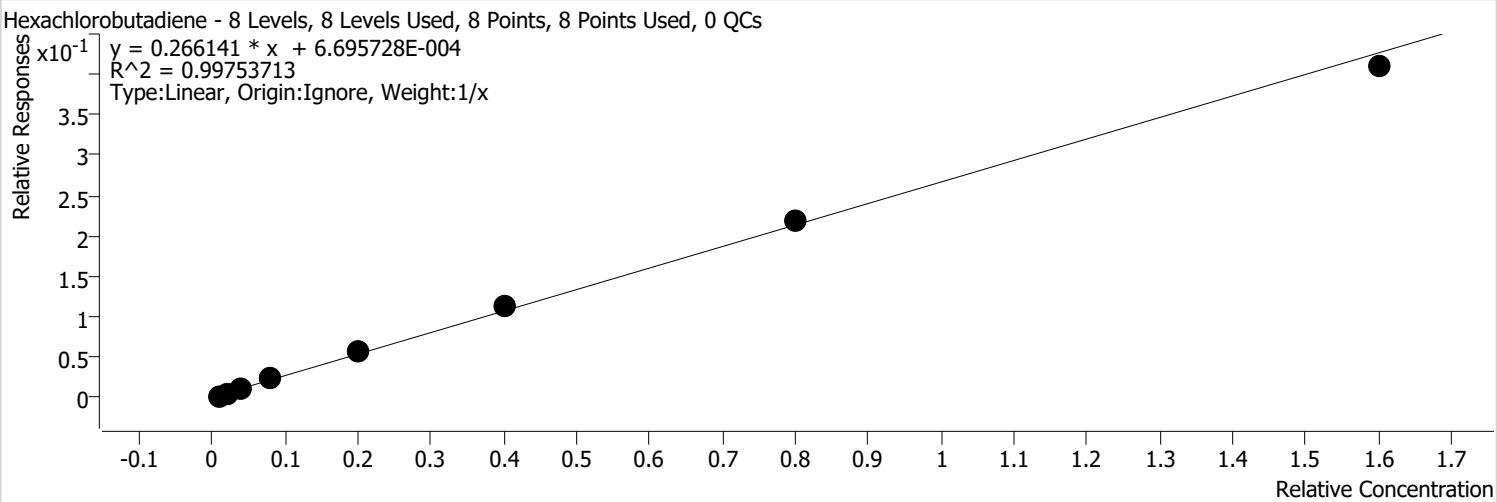
1,2,4-Trichlorobenzene %RSE = 15.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	47505	0.2000	0.5965	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	124605	0.5000	0.6392	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	282519	1.0000	0.7042	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	491396	2.0000	0.6214	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	1288274	5.0000	0.6353	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	2591031	10.0000	0.6240	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	5522493	20.0000	0.6084	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	10872946	40.0000	0.5443	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

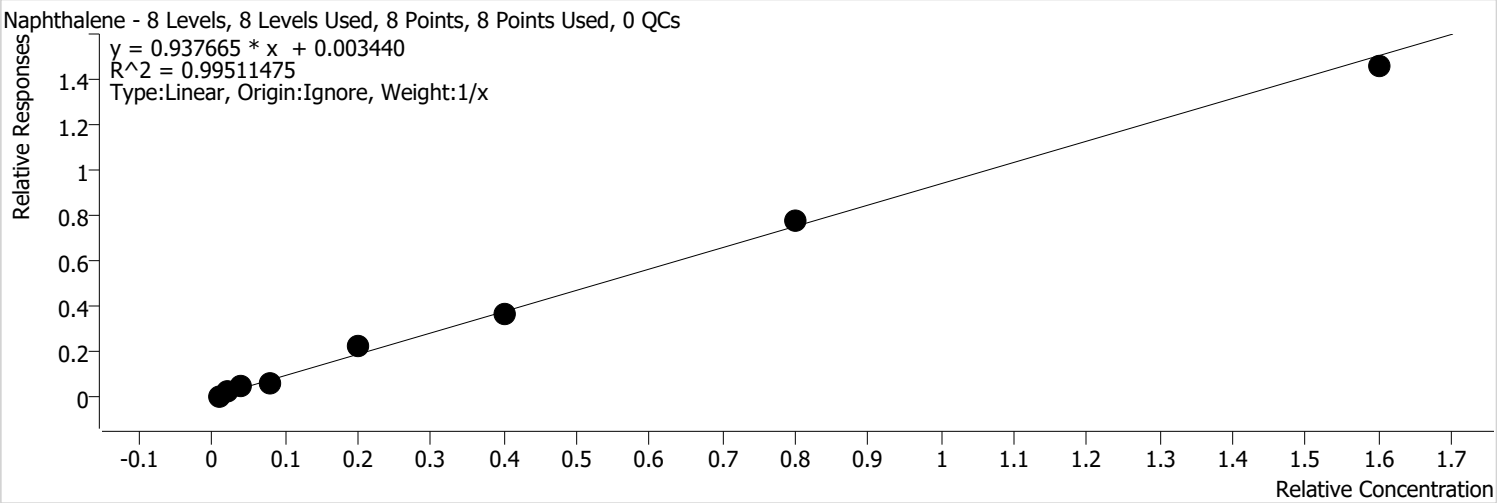
Hexachlorobutadiene %RSE = 11.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	23243	0.2000	0.2919	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	54442	0.5000	0.2793	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	126863	1.0000	0.3162	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	229728	2.0000	0.2905	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	576165	5.0000	0.2841	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	1191090	10.0000	0.2868	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	2478316	20.0000	0.2730	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	5111471	40.0000	0.2559	

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Naphthalene %RSE = 19.2

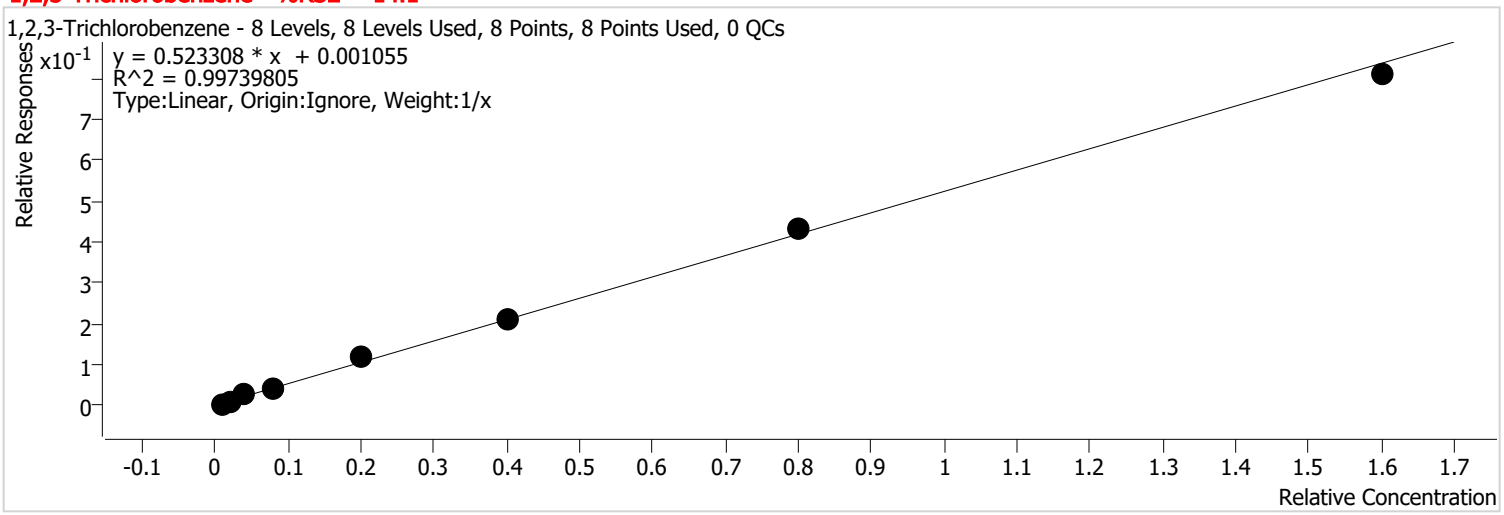


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	84654	0.2000	1.0630	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	224833	0.5000	1.1533	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	502045	1.0000	1.2513	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	675941	2.0000	0.8547	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	2293055	5.0000	1.1308	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	3879359	10.0000	0.9342	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	8781370	20.0000	0.9674	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	18173401	40.0000	0.9097	

Calibration Report

Batch Path	D:\GC-9\DATA\092221\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/23/2021 10:19 AM	**Analyst Name**	FA\GC9
Report Time	9/23/2021 10:20:07 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 5:02 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,2,3-Trichlorobenzene %RSE = 14.1

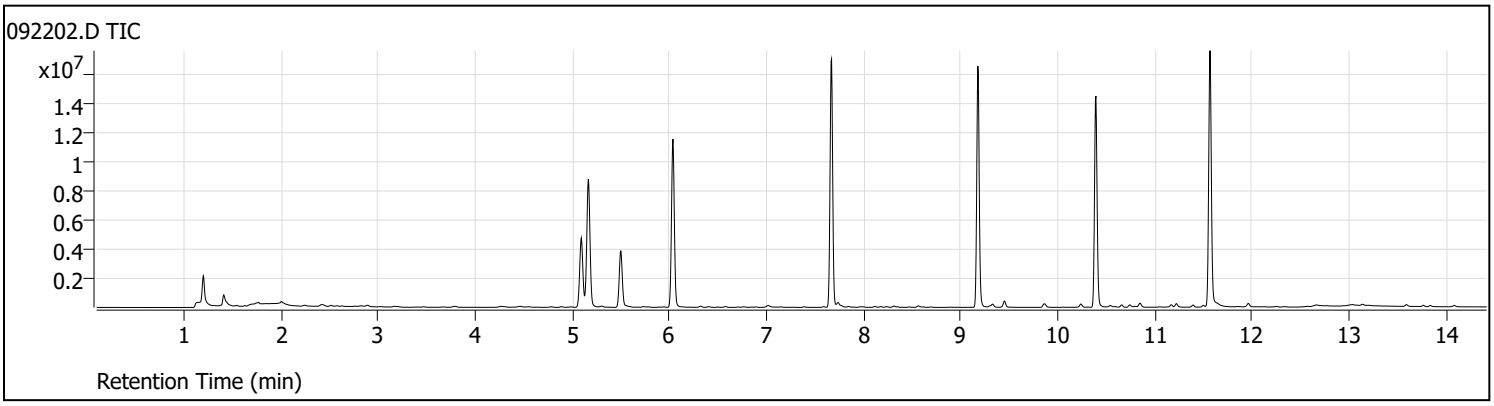


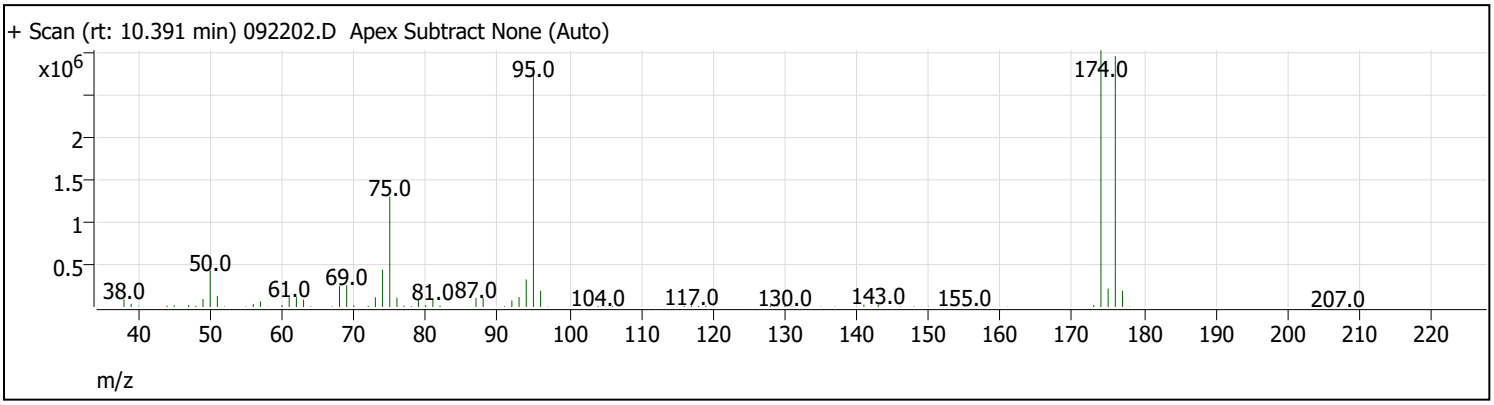
Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092221\092202.D	Calibration	1	x	41415	0.2000	0.5201	
D:\GC-9\DATA\092221\092203.D	Calibration	2	x	113801	0.5000	0.5837	
D:\GC-9\DATA\092221\092204.D	Calibration	3	x	258586	1.0000	0.6445	
D:\GC-9\DATA\092221\092205.D	Calibration	4	x	397658	2.0000	0.5028	
D:\GC-9\DATA\092221\092206.D	Calibration	5	x	1193542	5.0000	0.5886	
D:\GC-9\DATA\092221\092207.D	Calibration	6	x	2215754	10.0000	0.5336	
D:\GC-9\DATA\092221\092208.D	Calibration	7	x	4908319	20.0000	0.5407	
D:\GC-9\DATA\092221\092209.D	Calibration	8	x	10116464	40.0000	0.5064	

Tunes

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\092221\092202.D
Acq on:	9/22/2021 1:04:07 PM
Operator:	FA\GC9
Sample:	VOC SOIL CAL1 25907
Inst Name:	GC-9
ALS Vial:	23
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

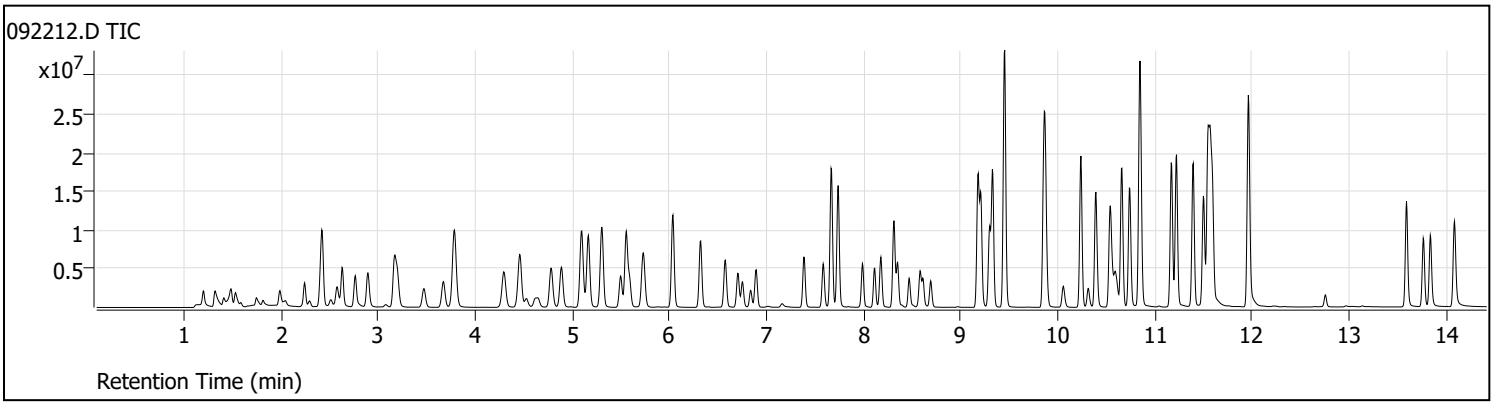


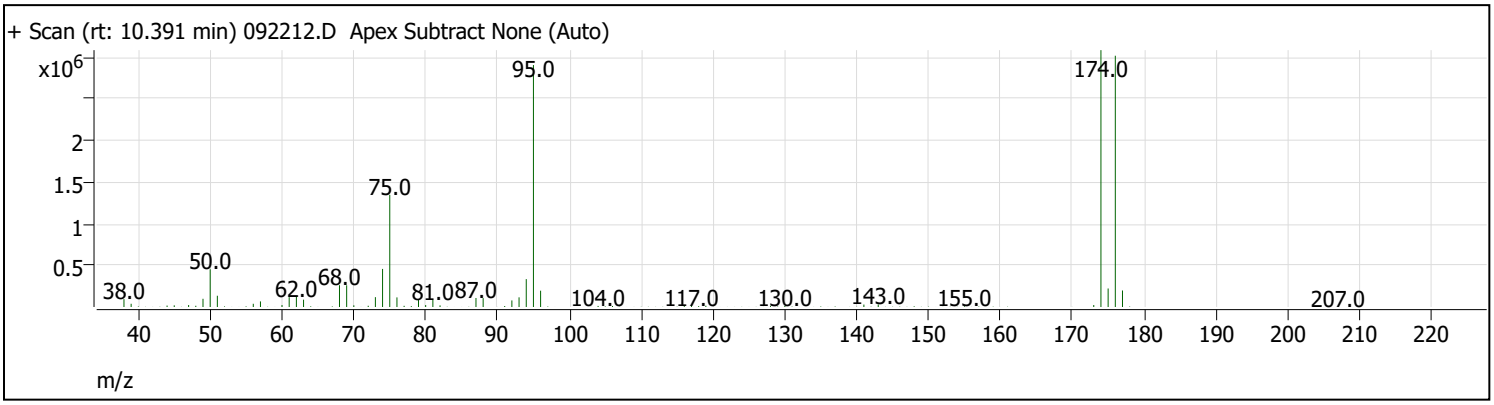


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	93.6	2842112	Pass
96	95	5	9	6.7	191424	Pass
173	174	0	2	0.8	22896	Pass
174	95	50	200	106.8	3035648	Pass
175	174	5	9	7.2	218432	Pass
176	174	95	105	97.7	2966016	Pass
177	176	5	10	6.5	191488	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\092221\092212.D
Acq on:	9/22/2021 6:14:34 PM
Operator:	FA\GC9
Sample:	ICV VOC SOIL 25964
Inst Name:	GC-9
ALS Vial:	32
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

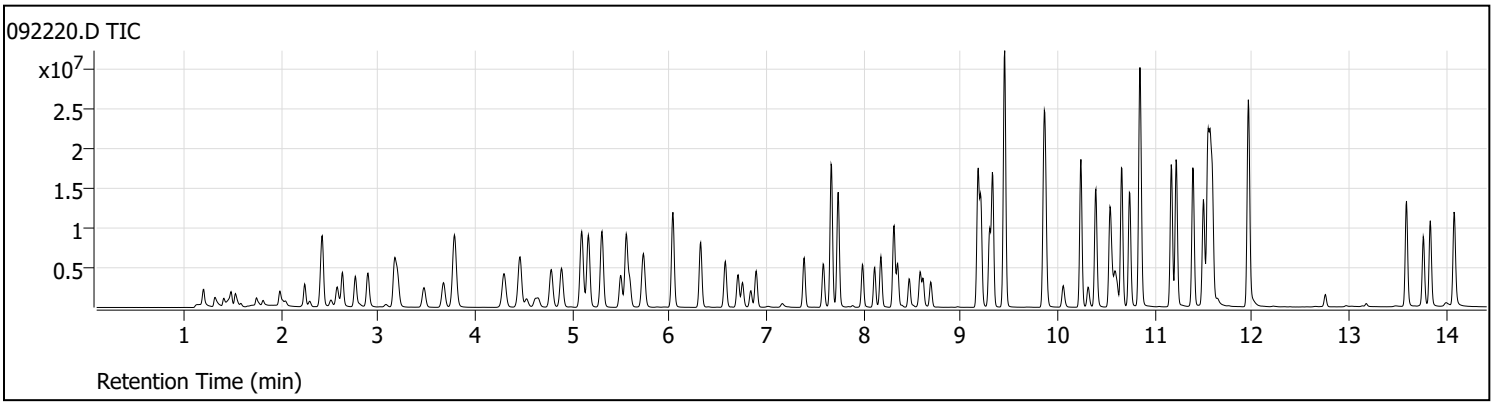


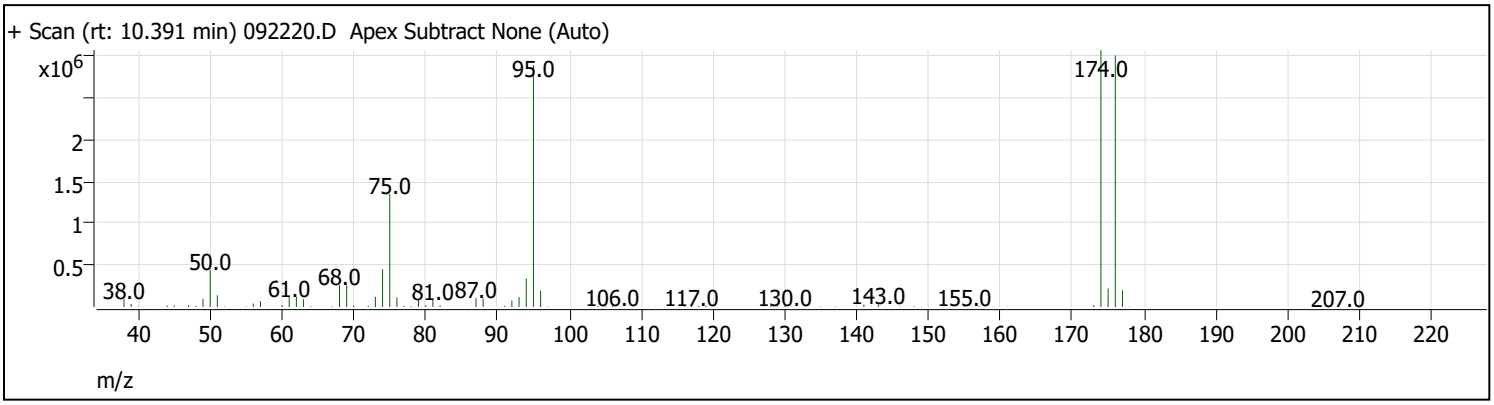


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	94.2	2907648	Pass
96	95	5	9	6.7	196032	Pass
173	174	0	2	0.8	23792	Pass
174	95	50	200	106.1	3086336	Pass
175	174	5	9	7.2	222208	Pass
176	174	95	105	97.8	3019264	Pass
177	176	5	10	6.6	198592	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\092221\092220.D
Acq on:	9/22/2021 10:22:09 PM
Operator:	FA\GC9
Sample:	CCV-33793B_LCSD-33793 VOC
Inst Name:	GC-9
ALS Vial:	40
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

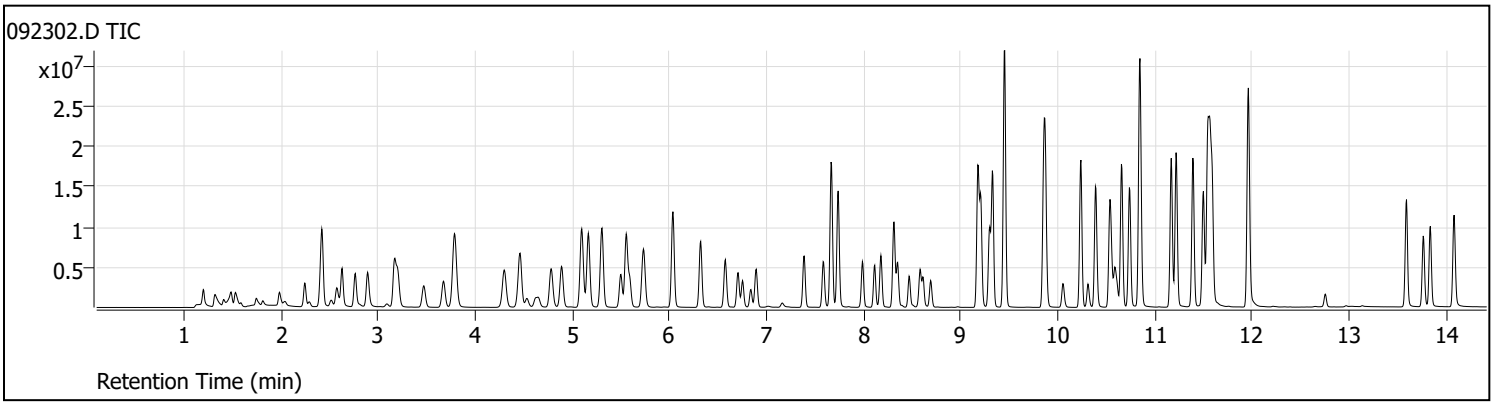


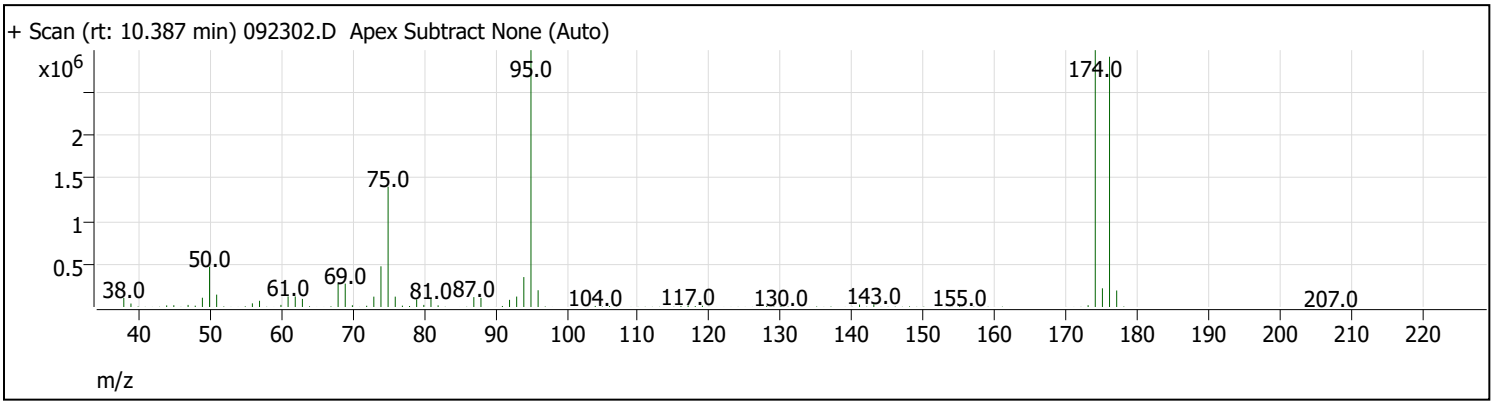


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	94.1	2889728	Pass
96	95	5	9	6.7	194496	Pass
173	174	0	2	0.7	22200	Pass
174	95	50	200	106.2	3069440	Pass
175	174	5	9	7.2	221760	Pass
176	174	95	105	97.9	3006464	Pass
177	176	5	10	6.6	198080	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\092321\092302.D
Acq on:	9/23/2021 12:25:57 PM
Operator:	FA\GC9
Sample:	CCV-33803A_LCS-33803 VOC
Inst Name:	GC-9
ALS Vial:	2
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

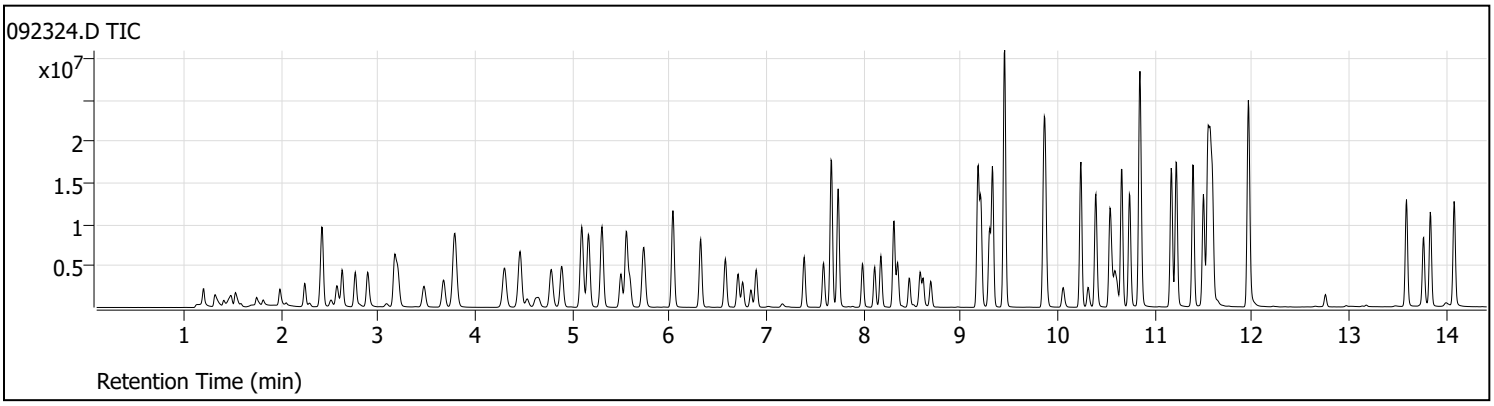


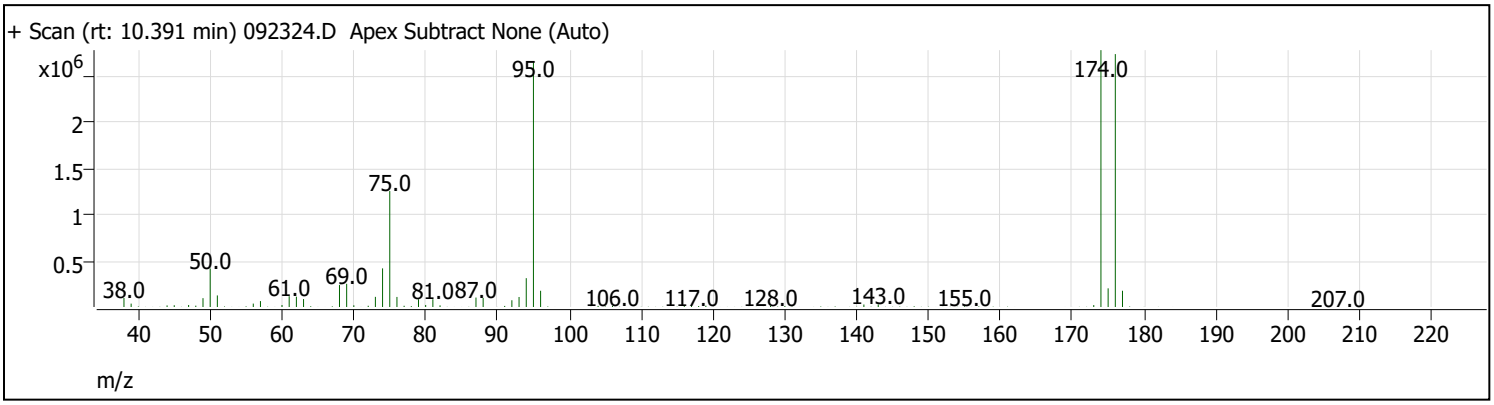


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	100.0	2992640	Pass
96	95	5	9	6.5	195328	Pass
173	174	0	2	0.7	20832	Pass
174	95	50	200	100.0	2992640	Pass
175	174	5	9	7.3	217728	Pass
176	174	95	105	97.4	2915840	Pass
177	176	5	10	6.6	192064	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\092321\092324.D
Acq on:	9/23/2021 11:49:13 PM
Operator:	FA\GC9
Sample:	CCV-33803B_LCS-33812 VOC
Inst Name:	GC-9
ALS Vial:	23
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

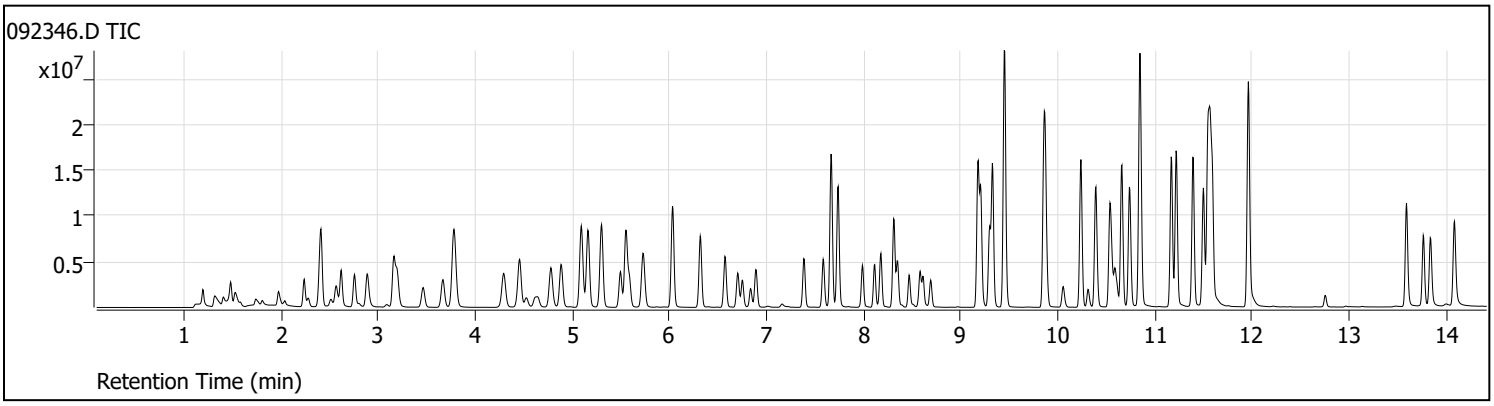


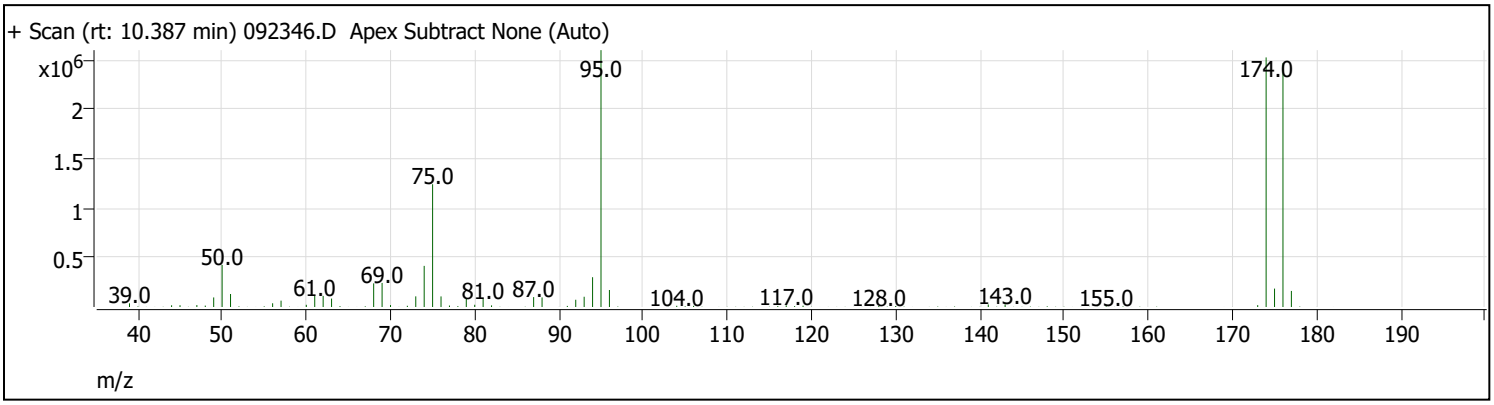


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	95.3	2642432	Pass
96	95	5	9	6.6	175104	Pass
173	174	0	2	0.7	20720	Pass
174	95	50	200	104.9	2772480	Pass
175	174	5	9	7.3	201408	Pass
176	174	95	105	98.5	2729984	Pass
177	176	5	10	6.4	175360	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\092421\092346.D
Acq on:	9/24/2021 11:10:21 AM
Operator:	FA\GC9
Sample:	CCV-33812B VOC
Inst Name:	GC-9
ALS Vial:	45
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

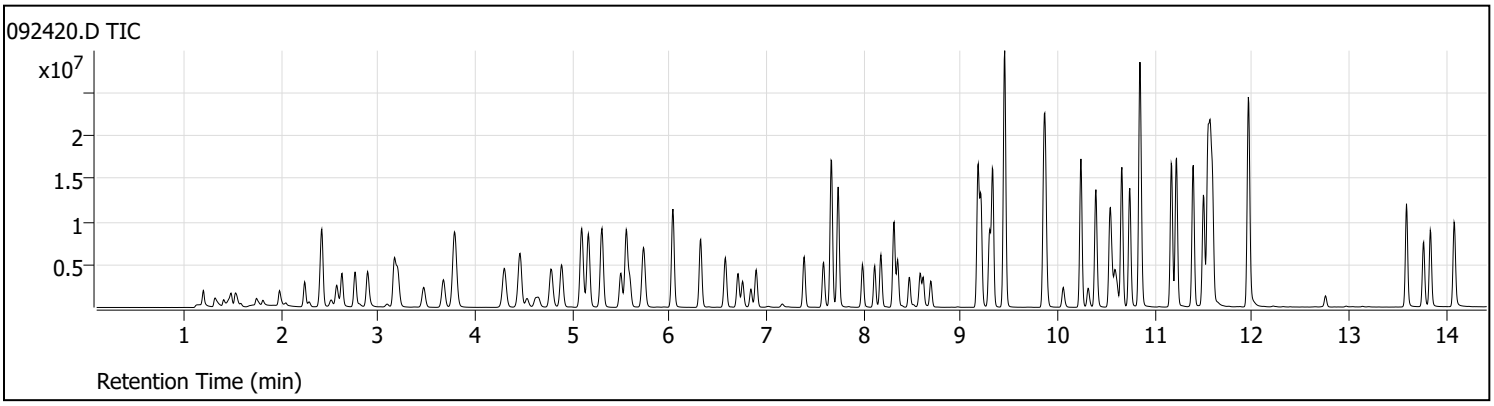


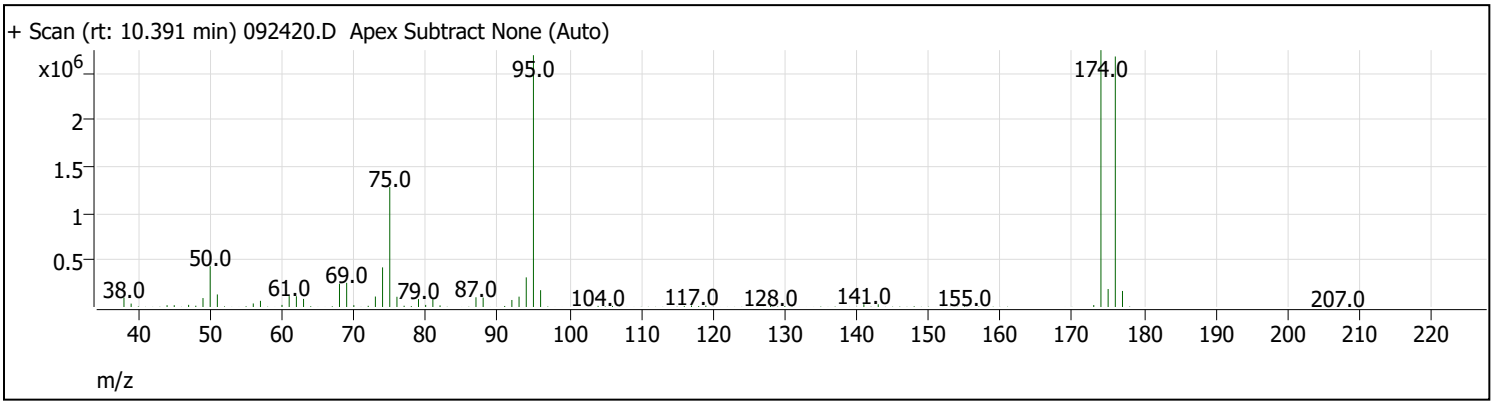


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	102.9	2601472	Pass
96	95	5	9	6.6	172160	Pass
173	174	0	2	0.7	18784	Pass
174	95	50	200	97.2	2527744	Pass
175	174	5	9	7.4	186368	Pass
176	174	95	105	97.7	2469888	Pass
177	176	5	10	6.6	162752	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\092421\092420.D
Acq on:	9/24/2021 11:08:22 PM
Operator:	FA\GC9
Sample:	CCV-33823B VOC
Inst Name:	GC-9
ALS Vial:	19
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

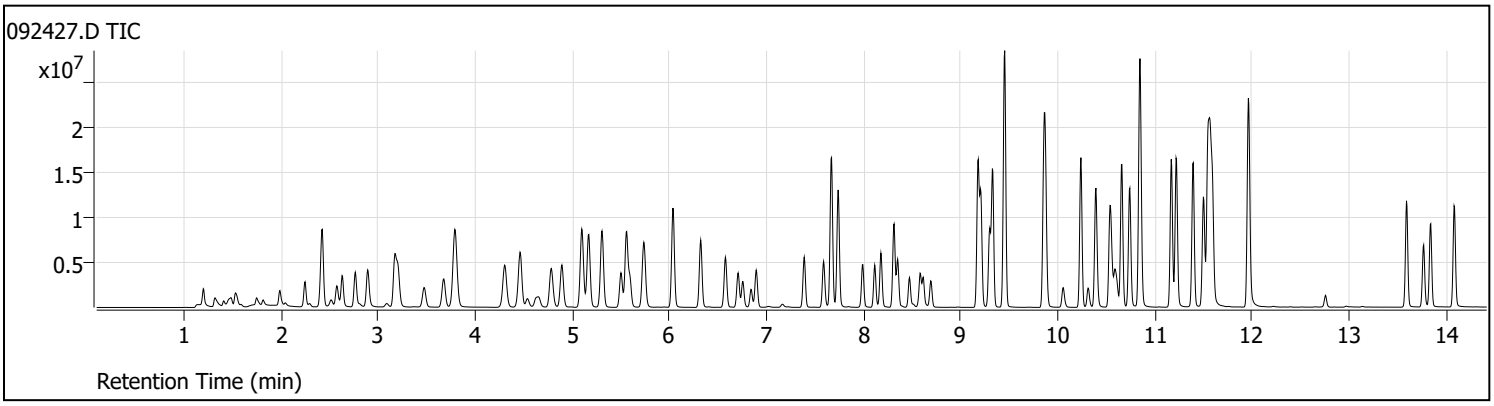


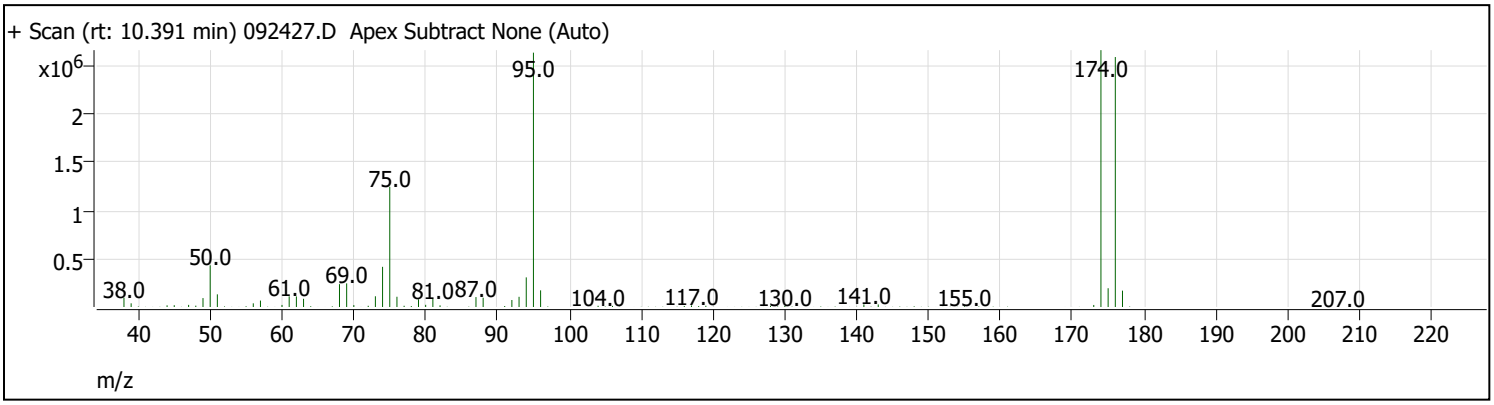


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	98.0	2696192	Pass
96	95	5	9	6.7	179840	Pass
173	174	0	2	0.8	20960	Pass
174	95	50	200	102.0	2750464	Pass
175	174	5	9	7.0	192512	Pass
176	174	95	105	97.5	2682368	Pass
177	176	5	10	6.4	171648	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\092421\092427.D
Acq on:	9/25/2021 2:45:40 AM
Operator:	FA\GC9
Sample:	CCV-33823C
Inst Name:	GC-9
ALS Vial:	25
Method:	D:\MassHunter\Methods\Quant\BFB2021.m





Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	99.0	2632192	Pass
96	95	5	9	6.5	172288	Pass
173	174	0	2	0.8	21136	Pass
174	95	50	200	101.0	2658304	Pass
175	174	5	9	7.3	194112	Pass
176	174	95	105	97.3	2587136	Pass
177	176	5	10	6.5	169280	Pass

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F: (206) 352-7178
info@fremontanalytical.com

Shannon & Wilson
Ryan Peterson
400 N. 34th Street, Suite 100
Seattle, WA 98103

RE: 8801- Excavations
Work Order Number: 2109371

October 11, 2021

Attention Ryan Peterson:

Fremont Analytical, Inc. received 34 sample(s) on 9/23/2021 for the analyses presented in the following report.

Hexane Extractable Materials by EPA Method 1664A
Polychlorinated Biphenyls (PCB) by EPA 8082
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Joseph Sawdey

CLIENT: Shannon & Wilson
Project: 8801- Excavations
Work Order: 2109371

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109371-001	A5-SIDE1:7	09/22/2021 11:30 AM	09/23/2021 8:09 AM
2109371-002	A5-SIDE2:7	09/22/2021 11:35 AM	09/23/2021 8:09 AM
2109371-003	A5-SIDE3:6	09/22/2021 11:40 AM	09/23/2021 8:09 AM
2109371-004	A5-SIDE4:6	09/22/2021 11:45 AM	09/23/2021 8:09 AM
2109371-005	A5-SIDE10:2	09/22/2021 4:17 PM	09/23/2021 8:09 AM
2109371-006	A5-SIDE10:8	09/22/2021 4:15 PM	09/23/2021 8:09 AM
2109371-007	A5-SIDE11:7	09/22/2021 4:10 PM	09/23/2021 8:09 AM
2109371-008	A5-SIDE11:2	09/22/2021 4:12 PM	09/23/2021 8:09 AM
2109371-009	A5-SIDE12:3	09/22/2021 4:00 PM	09/23/2021 8:09 AM
2109371-010	A5-SIDE12:7	09/22/2021 4:03 PM	09/23/2021 8:09 AM
2109371-011	A5-SIDE13:2	09/22/2021 3:42 PM	09/23/2021 8:09 AM
2109371-012	A5-SIDE13:7	09/22/2021 3:47 PM	09/23/2021 8:09 AM
2109371-013	A5-SIDE14:3	09/22/2021 3:40 PM	09/23/2021 8:09 AM
2109371-014	A5-SIDE14:7	09/22/2021 3:35 PM	09/23/2021 8:09 AM
2109371-015	A5-SIDE15:3	09/22/2021 12:08 PM	09/23/2021 8:09 AM
2109371-016	A5-SIDE15:6	09/22/2021 12:05 PM	09/23/2021 8:09 AM
2109371-017	A5-SIDE16:2	09/22/2021 11:58 AM	09/23/2021 8:09 AM
2109371-018	A5-SIDE16:6	09/22/2021 11:55 AM	09/23/2021 8:09 AM
2109371-019	A5-SIDE100:7	09/22/2021 5:00 PM	09/23/2021 8:09 AM
2109371-020	8801- Batch 1	09/22/2021 5:20 PM	09/23/2021 8:09 AM
2109371-021	8801- Batch 1 Composite	09/22/2021 5:20 PM	09/23/2021 8:09 AM
2109371-022	8801- Batch 1	09/22/2021 5:20 PM	09/23/2021 8:09 AM
2109371-023	8801- Batch 1	09/22/2021 5:25 PM	09/23/2021 8:09 AM
2109371-024	8801- Batch 1	09/22/2021 5:30 PM	09/23/2021 8:09 AM
2109371-025	8801- Batch 2	09/22/2021 5:35 PM	09/23/2021 8:09 AM
2109371-026	8801- Batch 2 Composite	09/22/2021 5:35 PM	09/23/2021 8:09 AM
2109371-027	8801- Batch 2	09/22/2021 5:35 PM	09/23/2021 8:09 AM
2109371-028	8801- Batch 2	09/22/2021 5:40 PM	09/23/2021 8:09 AM
2109371-029	8801- Batch 2	09/22/2021 5:50 PM	09/23/2021 8:09 AM
2109371-030	8801- Batch 3	09/22/2021 5:50 PM	09/23/2021 8:09 AM
2109371-031	8801- Batch 3	09/22/2021 5:55 PM	09/23/2021 8:09 AM
2109371-032	8801- Batch 3	09/22/2021 5:50 PM	09/23/2021 8:09 AM
2109371-033	8801- Batch 3	09/22/2021 5:55 PM	09/23/2021 8:09 AM
2109371-034	8801- Batch 3	09/22/2021 6:00 PM	09/23/2021 8:09 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Revision v1

CLIENT: Shannon & Wilson
Project: 8801- Excavations

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-001A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-002A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-003A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-004A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-006A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-007A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-010A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-012A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-014A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-016A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-018A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-019A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-001A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-002A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-003A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-004A) required Acid Cleanup

Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-006a) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-007A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-010A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-012A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-014A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-016A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-018A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109371-019A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2109371-020B) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2109371-025B) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2109371-030B) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2109371-020B) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2109371-025B) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2109371-030B) required Florisil Cleanup Procedure (Using Method No 3620C).

10/11/21: Revision 1 includes Level 2b data.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **2109371**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Collection Date: 9/22/2021 11:30:00 AM
Project: 8801- Excavations
Lab ID: 2109371-001
Matrix: Soil
Client Sample ID: **A5-SIDE1:7**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33796			Analyst: SB
Aroclor 1016	ND	0.0498	0.00803		mg/Kg-dry	1	09/24/21 16:10:26
Aroclor 1221	ND	0.0498	0.00803		mg/Kg-dry	1	09/24/21 16:10:26
Aroclor 1232	ND	0.0498	0.00803		mg/Kg-dry	1	09/24/21 16:10:26
Aroclor 1242	ND	0.0498	0.00803		mg/Kg-dry	1	09/24/21 16:10:26
Aroclor 1248	ND	0.0498	0.00990		mg/Kg-dry	1	09/24/21 16:10:26
Aroclor 1254	0.0791	0.0498	0.00990		mg/Kg-dry	1	09/24/21 16:10:26
Aroclor 1260	ND	0.0498	0.00990		mg/Kg-dry	1	09/24/21 16:10:26
Aroclor 1262	ND	0.0498	0.00990		mg/Kg-dry	1	09/24/21 16:10:26
Aroclor 1268	ND	0.0498	0.00990		mg/Kg-dry	1	09/24/21 16:10:26
Total PCBs	0.0791	0.0498	0.00990		mg/Kg-dry	1	09/24/21 16:10:26
Surr: Decachlorobiphenyl	116	20.6 - 142			%Rec	1	09/24/21 16:10:26
Surr: Tetrachloro-m-xylene	120	22 - 157			%Rec	1	09/24/21 16:10:26
Total Metals by EPA Method 6020B				Batch ID: 33817			Analyst: EH
Arsenic	5.52	0.119	0.0397		mg/Kg-dry	1	09/24/21 18:38:20
Lead	501	19.8	4.11	D	mg/Kg-dry	100	09/27/21 18:31:59
Sample Moisture (Percent Moisture)				Batch ID: R70086			Analyst: cb
Percent Moisture	21.6	0.500	0.100		wt%	1	09/23/21 11:12:07

Analytical Report

Work Order: **2109371**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Collection Date: 9/22/2021 11:35:00 AM
Project: 8801- Excavations
Lab ID: 2109371-002
Matrix: Soil
Client Sample ID: **A5-SIDE2:7**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33796			Analyst: SB
Aroclor 1016	ND	0.0484	0.00780		mg/Kg-dry	1	09/24/21 9:41:27
Aroclor 1221	ND	0.0484	0.00780		mg/Kg-dry	1	09/24/21 9:41:27
Aroclor 1232	ND	0.0484	0.00780		mg/Kg-dry	1	09/24/21 9:41:27
Aroclor 1242	ND	0.0484	0.00780		mg/Kg-dry	1	09/24/21 9:41:27
Aroclor 1248	ND	0.0484	0.00963		mg/Kg-dry	1	09/24/21 9:41:27
Aroclor 1254	ND	0.0484	0.00963		mg/Kg-dry	1	09/24/21 9:41:27
Aroclor 1260	ND	0.0484	0.00963		mg/Kg-dry	1	09/24/21 9:41:27
Aroclor 1262	ND	0.0484	0.00963		mg/Kg-dry	1	09/24/21 9:41:27
Aroclor 1268	ND	0.0484	0.00963		mg/Kg-dry	1	09/24/21 9:41:27
Total PCBs	ND	0.0484	0.00963		mg/Kg-dry	1	09/24/21 9:41:27
Surr: Decachlorobiphenyl	35.7	20.6 - 142			%Rec	1	09/24/21 9:41:27
Surr: Tetrachloro-m-xylene	49.7	22 - 157			%Rec	1	09/24/21 9:41:27
Total Metals by EPA Method 6020B				Batch ID: 33817			Analyst: EH
Arsenic	5.00	0.118	0.0395		mg/Kg-dry	1	09/24/21 19:17:21
Lead	42.9	0.196	0.0408		mg/Kg-dry	1	09/24/21 19:17:21
Sample Moisture (Percent Moisture)				Batch ID: R70086			Analyst: cb
Percent Moisture	22.2	0.500	0.100		wt%	1	09/23/21 11:12:07

Analytical Report

Work Order: **2109371**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Collection Date: 9/22/2021 11:40:00 AM
Project: 8801- Excavations
Lab ID: 2109371-003
Matrix: Soil
Client Sample ID: **A5-SIDE3:6**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33796			Analyst: SB
Aroclor 1016	ND	0.0443	0.00713		mg/Kg-dry	1	09/24/21 16:20:11
Aroclor 1221	ND	0.0443	0.00713		mg/Kg-dry	1	09/24/21 16:20:11
Aroclor 1232	ND	0.0443	0.00713		mg/Kg-dry	1	09/24/21 16:20:11
Aroclor 1242	ND	0.0443	0.00713		mg/Kg-dry	1	09/24/21 16:20:11
Aroclor 1248	ND	0.0443	0.00880		mg/Kg-dry	1	09/24/21 16:20:11
Aroclor 1254	0.108	0.0443	0.00880		mg/Kg-dry	1	09/24/21 16:20:11
Aroclor 1260	ND	0.0443	0.00880		mg/Kg-dry	1	09/24/21 16:20:11
Aroclor 1262	ND	0.0443	0.00880		mg/Kg-dry	1	09/24/21 16:20:11
Aroclor 1268	ND	0.0443	0.00880		mg/Kg-dry	1	09/24/21 16:20:11
Total PCBs	0.108	0.0443	0.00880		mg/Kg-dry	1	09/24/21 16:20:11
Surr: Decachlorobiphenyl	60.5	20.6 - 142			%Rec	1	09/24/21 16:20:11
Surr: Tetrachloro-m-xylene	69.2	22 - 157			%Rec	1	09/24/21 16:20:11
Total Metals by EPA Method 6020B				Batch ID: 33817			Analyst: EH
Arsenic	6.17	0.102	0.0342		mg/Kg-dry	1	09/24/21 19:22:55
Lead	151	1.70	0.353	D	mg/Kg-dry	10	09/27/21 18:37:33
Sample Moisture (Percent Moisture)				Batch ID: R70086			Analyst: cb
Percent Moisture	10.1	0.500	0.100		wt%	1	09/23/21 11:12:07

Client: Shannon & Wilson
Collection Date: 9/22/2021 11:45:00 AM
Project: 8801- Excavations
Lab ID: 2109371-004
Matrix: Soil
Client Sample ID: **A5-SIDE4:6**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33796			Analyst: SB
Aroclor 1016	ND	0.0518	0.00835		mg/Kg-dry	1	09/24/21 16:29:58
Aroclor 1221	ND	0.0518	0.00835		mg/Kg-dry	1	09/24/21 16:29:58
Aroclor 1232	ND	0.0518	0.00835		mg/Kg-dry	1	09/24/21 16:29:58
Aroclor 1242	ND	0.0518	0.00835		mg/Kg-dry	1	09/24/21 16:29:58
Aroclor 1248	ND	0.0518	0.0103		mg/Kg-dry	1	09/24/21 16:29:58
Aroclor 1254	0.283	0.0518	0.0103		mg/Kg-dry	1	09/24/21 16:29:58
Aroclor 1260	ND	0.0518	0.0103		mg/Kg-dry	1	09/24/21 16:29:58
Aroclor 1262	ND	0.0518	0.0103		mg/Kg-dry	1	09/24/21 16:29:58
Aroclor 1268	ND	0.0518	0.0103		mg/Kg-dry	1	09/24/21 16:29:58
Total PCBs	0.283	0.0518	0.0103		mg/Kg-dry	1	09/24/21 16:29:58
Surr: Decachlorobiphenyl	87.0	20.6 - 142			%Rec	1	09/24/21 16:29:58
Surr: Tetrachloro-m-xylene	116	22 - 157			%Rec	1	09/24/21 16:29:58
Total Metals by EPA Method 6020B				Batch ID: 33817			Analyst: EH
Arsenic	20.7	0.119	0.0399		mg/Kg-dry	1	09/24/21 19:28:30
Lead	4,680	19.9	4.13	D	mg/Kg-dry	100	09/27/21 18:43:07
Sample Moisture (Percent Moisture)				Batch ID: R70086			Analyst: cb
Percent Moisture	23.7	0.500	0.100		wt%	1	09/23/21 11:12:07

Analytical Report

Work Order: **2109371**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Collection Date: 9/22/2021 4:17:00 PM
Project: 8801- Excavations
Lab ID: 2109371-005
Matrix: Soil
Client Sample ID: **A5-SIDE10:2**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33817			Analyst: EH
Arsenic	17.5	0.128	0.0427		mg/Kg-dry	1	09/24/21 19:34:04
Cadmium	0.518	0.213	0.00352		mg/Kg-dry	1	09/24/21 19:34:04
Chromium	23.4	0.425	0.139		mg/Kg-dry	1	09/24/21 19:34:04
Lead	32.3	0.213	0.0442		mg/Kg-dry	1	09/24/21 19:34:04
Sample Moisture (Percent Moisture)				Batch ID: R70086			Analyst: cb
Percent Moisture	28.7	0.500	0.100		wt%	1	09/23/21 11:12:07

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109371-006
Client Sample ID: **A5-SIDE10:8**

Collection Date: 9/22/2021 4:15:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33796			Analyst: SB
Aroclor 1016	ND	0.0454	0.00732		mg/Kg-dry	1	09/24/21 10:10:52
Aroclor 1221	ND	0.0454	0.00732		mg/Kg-dry	1	09/24/21 10:10:52
Aroclor 1232	ND	0.0454	0.00732		mg/Kg-dry	1	09/24/21 10:10:52
Aroclor 1242	ND	0.0454	0.00732		mg/Kg-dry	1	09/24/21 10:10:52
Aroclor 1248	ND	0.0454	0.00903		mg/Kg-dry	1	09/24/21 10:10:52
Aroclor 1254	ND	0.0454	0.00903		mg/Kg-dry	1	09/24/21 10:10:52
Aroclor 1260	ND	0.0454	0.00903		mg/Kg-dry	1	09/24/21 10:10:52
Aroclor 1262	ND	0.0454	0.00903		mg/Kg-dry	1	09/24/21 10:10:52
Aroclor 1268	ND	0.0454	0.00903		mg/Kg-dry	1	09/24/21 10:10:52
Total PCBs	ND	0.0454	0.00903		mg/Kg-dry	1	09/24/21 10:10:52
Surr: Decachlorobiphenyl	90.0	20.6 - 142			%Rec	1	09/24/21 10:10:52
Surr: Tetrachloro-m-xylene	98.6	22 - 157			%Rec	1	09/24/21 10:10:52
Total Metals by EPA Method 6020B				Batch ID: 33817			Analyst: EH
Arsenic	2.81	0.129	0.0431		mg/Kg-dry	1	09/24/21 19:39:37
Lead	1.99	0.215	0.0446		mg/Kg-dry	1	09/27/21 18:48:41
Sample Moisture (Percent Moisture)				Batch ID: R70086			Analyst: cb
Percent Moisture	24.8	0.500	0.100		wt%	1	09/23/21 11:12:07

Analytical Report

Work Order: **2109371**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109371-007
Client Sample ID: **A5-SIDE11:7**

Collection Date: 9/22/2021 4:10:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33796			Analyst: SB
Aroclor 1016	ND	0.0488	0.00787		mg/Kg-dry	1	09/24/21 10:20:43
Aroclor 1221	ND	0.0488	0.00787		mg/Kg-dry	1	09/24/21 10:20:43
Aroclor 1232	ND	0.0488	0.00787		mg/Kg-dry	1	09/24/21 10:20:43
Aroclor 1242	ND	0.0488	0.00787		mg/Kg-dry	1	09/24/21 10:20:43
Aroclor 1248	ND	0.0488	0.00971		mg/Kg-dry	1	09/24/21 10:20:43
Aroclor 1254	ND	0.0488	0.00971		mg/Kg-dry	1	09/24/21 10:20:43
Aroclor 1260	ND	0.0488	0.00971		mg/Kg-dry	1	09/24/21 10:20:43
Aroclor 1262	ND	0.0488	0.00971		mg/Kg-dry	1	09/24/21 10:20:43
Aroclor 1268	ND	0.0488	0.00971		mg/Kg-dry	1	09/24/21 10:20:43
Total PCBs	ND	0.0488	0.00971		mg/Kg-dry	1	09/24/21 10:20:43
Surr: Decachlorobiphenyl	44.8	20.6 - 142			%Rec	1	09/24/21 10:20:43
Surr: Tetrachloro-m-xylene	70.1	22 - 157			%Rec	1	09/24/21 10:20:43
Total Metals by EPA Method 6020B				Batch ID: 33817			Analyst: EH
Arsenic	4.72	0.123	0.0412		mg/Kg-dry	1	09/24/21 19:45:11
Lead	10.4	0.205	0.0426		mg/Kg-dry	1	09/24/21 19:45:11
Sample Moisture (Percent Moisture)				Batch ID: R70086			Analyst: cb
Percent Moisture	23.1	0.500	0.100		wt%	1	09/23/21 11:12:07

Client: Shannon & Wilson **Collection Date:** 9/22/2021 4:12:00 PM
Project: 8801- Excavations
Lab ID: 2109371-008 **Matrix:** Soil
Client Sample ID: A5-SIDE11:2

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33817			Analyst: EH
Arsenic	8.93	0.119	0.0400		mg/Kg-dry	1	09/24/21 19:50:45
Cadmium	0.107	0.199	0.00329	J	mg/Kg-dry	1	09/24/21 19:50:45
Chromium	18.9	0.398	0.130		mg/Kg-dry	1	09/24/21 19:50:45
Lead	13.1	0.199	0.0414		mg/Kg-dry	1	09/24/21 19:50:45
Sample Moisture (Percent Moisture)				Batch ID: R70086			Analyst: cb
Percent Moisture	22.0	0.500	0.100		wt%	1	09/23/21 11:12:07

Client: Shannon & Wilson **Collection Date:** 9/22/2021 4:00:00 PM
Project: 8801- Excavations
Lab ID: 2109371-009 **Matrix:** Soil
Client Sample ID: A5-SIDE12:3

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33817			Analyst: EH
Arsenic	2.28	0.106	0.0354		mg/Kg-dry	1	09/24/21 19:56:19
Cadmium	0.0325	0.176	0.00292	J	mg/Kg-dry	1	09/24/21 19:56:19
Chromium	8.39	0.353	0.115		mg/Kg-dry	1	09/24/21 19:56:19
Lead	2.35	0.176	0.0367	B	mg/Kg-dry	1	09/24/21 19:56:19

NOTES:
B - Detection in sample is 10x greater than detection in Method Blank; result meets QC requirements.

Sample Moisture (Percent Moisture)				Batch ID: R70086			Analyst: cb
Percent Moisture	11.4	0.500	0.100		wt%	1	09/23/21 11:12:07

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109371-010
Client Sample ID: **A5-SIDE12:7**

Collection Date: 9/22/2021 4:03:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33796			Analyst: SB
Aroclor 1016	ND	0.0545	0.00878		mg/Kg-dry	1	09/24/21 10:30:37
Aroclor 1221	ND	0.0545	0.00878		mg/Kg-dry	1	09/24/21 10:30:37
Aroclor 1232	ND	0.0545	0.00878		mg/Kg-dry	1	09/24/21 10:30:37
Aroclor 1242	ND	0.0545	0.00878		mg/Kg-dry	1	09/24/21 10:30:37
Aroclor 1248	ND	0.0545	0.0108		mg/Kg-dry	1	09/24/21 10:30:37
Aroclor 1254	ND	0.0545	0.0108		mg/Kg-dry	1	09/24/21 10:30:37
Aroclor 1260	ND	0.0545	0.0108		mg/Kg-dry	1	09/24/21 10:30:37
Aroclor 1262	ND	0.0545	0.0108		mg/Kg-dry	1	09/24/21 10:30:37
Aroclor 1268	ND	0.0545	0.0108		mg/Kg-dry	1	09/24/21 10:30:37
Total PCBs	ND	0.0545	0.0108		mg/Kg-dry	1	09/24/21 10:30:37
Surr: Decachlorobiphenyl	57.8	20.6 - 142			%Rec	1	09/24/21 10:30:37
Surr: Tetrachloro-m-xylene	61.8	22 - 157			%Rec	1	09/24/21 10:30:37
Total Metals by EPA Method 6020B				Batch ID: 33817			Analyst: EH
Arsenic	6.09	0.123	0.0412		mg/Kg-dry	1	09/24/21 20:01:53
Lead	4.39	0.205	0.0427		mg/Kg-dry	1	09/24/21 20:01:53
Sample Moisture (Percent Moisture)				Batch ID: R70086			Analyst: cb
Percent Moisture	25.5	0.500	0.100		wt%	1	09/23/21 11:12:07

Analytical Report

Work Order: **2109371**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Collection Date: 9/22/2021 3:42:00 PM
Project: 8801- Excavations
Lab ID: 2109371-011
Matrix: Soil
Client Sample ID: **A5-SIDE13:2**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33817			Analyst: EH
Arsenic	4.24	0.107	0.0359		mg/Kg-dry	1	09/24/21 20:18:37
Cadmium	0.0928	0.179	0.00296	J	mg/Kg-dry	1	09/24/21 20:18:37
Chromium	10.6	0.357	0.117		mg/Kg-dry	1	09/24/21 20:18:37
Lead	9.65	0.179	0.0372	B	mg/Kg-dry	1	09/27/21 18:54:15
Sample Moisture (Percent Moisture)				Batch ID: R70086			Analyst: cb
Percent Moisture	12.6	0.500	0.100		wt%	1	09/23/21 11:12:07

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109371-012
Client Sample ID: **A5-SIDE13:7**

Collection Date: 9/22/2021 3:47:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33796			Analyst: SB
Aroclor 1016	ND	0.0533	0.00859		mg/Kg-dry	1	09/24/21 10:40:26
Aroclor 1221	ND	0.0533	0.00859		mg/Kg-dry	1	09/24/21 10:40:26
Aroclor 1232	ND	0.0533	0.00859		mg/Kg-dry	1	09/24/21 10:40:26
Aroclor 1242	ND	0.0533	0.00859		mg/Kg-dry	1	09/24/21 10:40:26
Aroclor 1248	ND	0.0533	0.0106		mg/Kg-dry	1	09/24/21 10:40:26
Aroclor 1254	0.0183	0.0533	0.0106	J	mg/Kg-dry	1	09/24/21 10:40:26
Aroclor 1260	ND	0.0533	0.0106		mg/Kg-dry	1	09/24/21 10:40:26
Aroclor 1262	ND	0.0533	0.0106		mg/Kg-dry	1	09/24/21 10:40:26
Aroclor 1268	ND	0.0533	0.0106		mg/Kg-dry	1	09/24/21 10:40:26
Total PCBs	0.0183	0.0533	0.0106	J	mg/Kg-dry	1	09/24/21 10:40:26
Surr: Decachlorobiphenyl	63.4	20.6 - 142			%Rec	1	09/24/21 10:40:26
Surr: Tetrachloro-m-xylene	77.3	22 - 157			%Rec	1	09/24/21 10:40:26
Total Metals by EPA Method 6020B				Batch ID: 33817			Analyst: EH
Arsenic	2.20	0.126	0.0421		mg/Kg-dry	1	09/24/21 20:24:11
Lead	1.50	0.209	0.0436		mg/Kg-dry	1	09/27/21 18:59:49
Sample Moisture (Percent Moisture)				Batch ID: R70086			Analyst: cb
Percent Moisture	23.6	0.500	0.100		wt%	1	09/23/21 11:12:07

Analytical Report

Work Order: **2109371**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Collection Date: 9/22/2021 3:40:00 PM
Project: 8801- Excavations
Lab ID: 2109371-013
Matrix: Soil
Client Sample ID: **A5-SIDE14:3**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33817			Analyst: EH
Arsenic	4.97	0.102	0.0341		mg/Kg-dry	1	09/24/21 20:29:45
Cadmium	0.162	0.170	0.00281	J	mg/Kg-dry	1	09/24/21 20:29:45
Chromium	13.2	0.339	0.111		mg/Kg-dry	1	09/24/21 20:29:45
Lead	13.8	0.170	0.0353	B	mg/Kg-dry	1	09/27/21 19:05:23

NOTES:
B - Detection in sample is 10x greater than detection in Method Blank; result meets QC requirements.

Sample Moisture (Percent Moisture)				Batch ID: R70086			Analyst: cb
Percent Moisture	9.29	0.500	0.100		wt%	1	09/23/21 11:12:07

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109371-014
Client Sample ID: **A5-SIDE14:7**

Collection Date: 9/22/2021 3:35:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33796			Analyst: SB
Aroclor 1016	ND	0.0606	0.00977		mg/Kg-dry	1	09/24/21 16:39:45
Aroclor 1221	ND	0.0606	0.00977		mg/Kg-dry	1	09/24/21 16:39:45
Aroclor 1232	ND	0.0606	0.00977		mg/Kg-dry	1	09/24/21 16:39:45
Aroclor 1242	ND	0.0606	0.00977		mg/Kg-dry	1	09/24/21 16:39:45
Aroclor 1248	ND	0.0606	0.0121		mg/Kg-dry	1	09/24/21 16:39:45
Aroclor 1254	0.146	0.0606	0.0121		mg/Kg-dry	1	09/24/21 16:39:45
Aroclor 1260	ND	0.0606	0.0121		mg/Kg-dry	1	09/24/21 16:39:45
Aroclor 1262	ND	0.0606	0.0121		mg/Kg-dry	1	09/24/21 16:39:45
Aroclor 1268	ND	0.0606	0.0121		mg/Kg-dry	1	09/24/21 16:39:45
Total PCBs	0.146	0.0606	0.0121		mg/Kg-dry	1	09/24/21 16:39:45
Surr: Decachlorobiphenyl	89.8	20.6 - 142			%Rec	1	09/24/21 16:39:45
Surr: Tetrachloro-m-xylene	105	22 - 157			%Rec	1	09/24/21 16:39:45
Total Metals by EPA Method 6020B				Batch ID: 33817			Analyst: EH
Arsenic	11.9	0.142	0.0474		mg/Kg-dry	1	09/24/21 20:35:19
Lead	264	2.36	0.491	D	mg/Kg-dry	10	09/30/21 11:39:19
Sample Moisture (Percent Moisture)				Batch ID: R70086			Analyst: cb
Percent Moisture	34.3	0.500	0.100		wt%	1	09/23/21 11:12:07

Analytical Report

Work Order: **2109371**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Collection Date: 9/22/2021 12:08:00 PM
Project: 8801- Excavations
Lab ID: 2109371-015
Matrix: Soil
Client Sample ID: **A5-SIDE15:3**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33817			Analyst: EH
Arsenic	5.86	0.102	0.0340		mg/Kg-dry	1	09/24/21 20:40:53
Cadmium	0.185	0.169	0.00280		mg/Kg-dry	1	09/24/21 20:40:53
Chromium	11.0	0.339	0.111		mg/Kg-dry	1	09/24/21 20:40:53
Lead	21.6	0.169	0.0352	BQ	mg/Kg-dry	1	09/24/21 20:40:53

NOTES:
B - Detection in sample is 10x greater than detection in Method Blank; result meets QC requirements.
Q - Associated calibration verification is above acceptance criteria. Result may be high-biased.

Sample Moisture (Percent Moisture)				Batch ID: R70086			Analyst: cb
Percent Moisture	9.16	0.500	0.100		wt%	1	09/23/21 11:12:07

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109371-016
Client Sample ID: **A5-SIDE15:6**

Collection Date: 9/22/2021 12:05:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33796			Analyst: SB
Aroclor 1016	ND	0.0458	0.00738		mg/Kg-dry	1	09/24/21 16:49:35
Aroclor 1221	ND	0.0458	0.00738		mg/Kg-dry	1	09/24/21 16:49:35
Aroclor 1232	ND	0.0458	0.00738		mg/Kg-dry	1	09/24/21 16:49:35
Aroclor 1242	ND	0.0458	0.00738		mg/Kg-dry	1	09/24/21 16:49:35
Aroclor 1248	ND	0.0458	0.00910		mg/Kg-dry	1	09/24/21 16:49:35
Aroclor 1254	0.0897	0.0458	0.00910		mg/Kg-dry	1	09/24/21 16:49:35
Aroclor 1260	ND	0.0458	0.00910		mg/Kg-dry	1	09/24/21 16:49:35
Aroclor 1262	ND	0.0458	0.00910		mg/Kg-dry	1	09/24/21 16:49:35
Aroclor 1268	ND	0.0458	0.00910		mg/Kg-dry	1	09/24/21 16:49:35
Total PCBs	0.0897	0.0458	0.00910		mg/Kg-dry	1	09/24/21 16:49:35
Surr: Decachlorobiphenyl	95.2	20.6 - 142			%Rec	1	09/24/21 16:49:35
Surr: Tetrachloro-m-xylene	98.3	22 - 157			%Rec	1	09/24/21 16:49:35
Total Metals by EPA Method 6020B				Batch ID: 33817			Analyst: EH
Arsenic	7.14	0.115	0.0385		mg/Kg-dry	1	09/24/21 20:46:27
Lead	62.8	0.191	0.0398	BQ	mg/Kg-dry	1	09/24/21 20:46:27
Sample Moisture (Percent Moisture)				Batch ID: R70086			Analyst: cb
Percent Moisture	20.2	0.500	0.100		wt%	1	09/23/21 11:12:07

NOTES:
B - Detection in sample is 10x greater than detection in Method Blank; result meets QC requirements.
Q - Associated calibration verification is above acceptance criteria. Result may be high-biased.

Analytical Report

Work Order: **2109371**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Collection Date: 9/22/2021 11:58:00 AM
Project: 8801- Excavations
Lab ID: 2109371-017
Matrix: Soil
Client Sample ID: **A5-SIDE16:2**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33817			Analyst: EH
Arsenic	6.26	0.100	0.0336		mg/Kg-dry	1	09/24/21 20:52:01
Cadmium	0.200	0.167	0.00276		mg/Kg-dry	1	09/24/21 20:52:01
Chromium	12.2	0.334	0.109		mg/Kg-dry	1	09/24/21 20:52:01
Lead	32.1	0.167	0.0347	BQ	mg/Kg-dry	1	09/24/21 20:52:01

NOTES:
B - Detection in sample is 10x greater than detection in Method Blank; result meets QC requirements.
Q - Associated calibration verification is above acceptance criteria. Result may be high-biased.

Sample Moisture (Percent Moisture)				Batch ID: R70086			Analyst: cb
Percent Moisture	8.57	0.500	0.100		wt%	1	09/23/21 11:12:07

Client: Shannon & Wilson
Collection Date: 9/22/2021 11:55:00 AM
Project: 8801- Excavations
Lab ID: 2109371-018
Matrix: Soil
Client Sample ID: **A5-SIDE16:6**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33796			Analyst: SB
Aroclor 1016	ND	0.0411	0.00662		mg/Kg-dry	1	09/24/21 16:59:20
Aroclor 1221	ND	0.0411	0.00662		mg/Kg-dry	1	09/24/21 16:59:20
Aroclor 1232	ND	0.0411	0.00662		mg/Kg-dry	1	09/24/21 16:59:20
Aroclor 1242	ND	0.0411	0.00662		mg/Kg-dry	1	09/24/21 16:59:20
Aroclor 1248	ND	0.0411	0.00817		mg/Kg-dry	1	09/24/21 16:59:20
Aroclor 1254	0.0644	0.0411	0.00817		mg/Kg-dry	1	09/24/21 16:59:20
Aroclor 1260	ND	0.0411	0.00817		mg/Kg-dry	1	09/24/21 16:59:20
Aroclor 1262	ND	0.0411	0.00817		mg/Kg-dry	1	09/24/21 16:59:20
Aroclor 1268	ND	0.0411	0.00817		mg/Kg-dry	1	09/24/21 16:59:20
Total PCBs	0.0644	0.0411	0.00817		mg/Kg-dry	1	09/24/21 16:59:20
Surr: Decachlorobiphenyl	28.0	20.6 - 142			%Rec	1	09/24/21 16:59:20
Surr: Tetrachloro-m-xylene	43.9	22 - 157			%Rec	1	09/24/21 16:59:20
Total Metals by EPA Method 6020B				Batch ID: 33817			Analyst: EH
Arsenic	6.91	0.114	0.0383		mg/Kg-dry	1	09/24/21 20:57:34
Lead	44.7	0.191	0.0397	BQ	mg/Kg-dry	1	09/24/21 20:57:34
Sample Moisture (Percent Moisture)				Batch ID: R70086			Analyst: cb
Percent Moisture	16.1	0.500	0.100		wt%	1	09/23/21 11:12:07

NOTES:
B - Detection in sample is 10x greater than detection in Method Blank; result meets QC requirements.
Q - Associated calibration verification is above acceptance criteria. Result may be high-biased.

Client: Shannon & Wilson
Collection Date: 9/22/2021 5:00:00 PM
Project: 8801- Excavations
Lab ID: 2109371-019
Matrix: Soil
Client Sample ID: **A5-SIDE100:7**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33796			Analyst: SB
Aroclor 1016	ND	0.0564	0.00908		mg/Kg-dry	1	09/24/21 17:09:05
Aroclor 1221	ND	0.0564	0.00908		mg/Kg-dry	1	09/24/21 17:09:05
Aroclor 1232	ND	0.0564	0.00908		mg/Kg-dry	1	09/24/21 17:09:05
Aroclor 1242	ND	0.0564	0.00908		mg/Kg-dry	1	09/24/21 17:09:05
Aroclor 1248	ND	0.0564	0.0112		mg/Kg-dry	1	09/24/21 17:09:05
Aroclor 1254	0.194	0.0564	0.0112		mg/Kg-dry	1	09/24/21 17:09:05
Aroclor 1260	ND	0.0564	0.0112		mg/Kg-dry	1	09/24/21 17:09:05
Aroclor 1262	ND	0.0564	0.0112		mg/Kg-dry	1	09/24/21 17:09:05
Aroclor 1268	ND	0.0564	0.0112		mg/Kg-dry	1	09/24/21 17:09:05
Total PCBs	0.194	0.0564	0.0112		mg/Kg-dry	1	09/24/21 17:09:05
Surr: Decachlorobiphenyl	111	20.6 - 142			%Rec	1	09/24/21 17:09:05
Surr: Tetrachloro-m-xylene	103	22 - 157			%Rec	1	09/24/21 17:09:05
Total Metals by EPA Method 6020B				Batch ID: 33817			Analyst: EH
Arsenic	10.5	0.133	0.0447		mg/Kg-dry	1	09/24/21 21:03:09
Lead	132	0.222	0.0463	Q	mg/Kg-dry	1	09/24/21 21:03:09

NOTES:
Q - Associated calibration verification is above acceptance criteria. Result may be high-biased.

Sample Moisture (Percent Moisture)				Batch ID: R70086			Analyst: cb
Percent Moisture	32.4	0.500	0.100		wt%	1	09/23/21 11:12:07

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109371-020
Client Sample ID: **8801- Batch 1**

Collection Date: 9/22/2021 5:20:00 PM
Matrix: Water

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33809			Analyst: SB
Aroclor 1016	ND	0.0687	0.0247		µg/L	1	09/24/21 14:51:33
Aroclor 1221	ND	0.0687	0.0247		µg/L	1	09/24/21 14:51:33
Aroclor 1232	ND	0.0687	0.0247		µg/L	1	09/24/21 14:51:33
Aroclor 1242	ND	0.0687	0.0247		µg/L	1	09/24/21 14:51:33
Aroclor 1248	ND	0.0687	0.0192		µg/L	1	09/24/21 14:51:33
Aroclor 1254	0.0291	0.0687	0.0192	J	µg/L	1	09/24/21 14:51:33
Aroclor 1260	ND	0.0687	0.0192		µg/L	1	09/24/21 14:51:33
Aroclor 1262	ND	0.0687	0.0192		µg/L	1	09/24/21 14:51:33
Aroclor 1268	ND	0.0687	0.0192		µg/L	1	09/24/21 14:51:33
Total PCBs	0.0291	0.0687	0.0247	J	µg/L	1	09/24/21 14:51:33
Surr: Decachlorobiphenyl	42.1	6.49 - 114			%Rec	1	09/24/21 14:51:33
Surr: Tetrachloro-m-xylene	85.5	5.95 - 113			%Rec	1	09/24/21 14:51:33
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33808			Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	1.25	0.531		µg/L	1	09/24/21 13:02:02
Chloromethane	ND	0.750	0.260		µg/L	1	09/24/21 13:02:02
Vinyl chloride	ND	0.200	0.0235		µg/L	1	09/24/21 13:02:02
Bromomethane	ND	1.20	0.469		µg/L	1	09/24/21 13:02:02
Trichlorofluoromethane (CFC-11)	ND	0.500	0.187		µg/L	1	09/24/21 13:02:02
Chloroethane	ND	1.00	0.356		µg/L	1	09/24/21 13:02:02
1,1-Dichloroethene	ND	0.500	0.183		µg/L	1	09/24/21 13:02:02
Methylene chloride	ND	0.750	0.284		µg/L	1	09/24/21 13:02:02
trans-1,2-Dichloroethene	ND	0.500	0.175		µg/L	1	09/24/21 13:02:02
1,1-Dichloroethane	ND	0.500	0.182		µg/L	1	09/24/21 13:02:02
cis-1,2-Dichloroethene	ND	0.500	0.180		µg/L	1	09/24/21 13:02:02
Chloroform	ND	0.500	0.173		µg/L	1	09/24/21 13:02:02
1,1,1-Trichloroethane (TCA)	ND	0.400	0.132		µg/L	1	09/24/21 13:02:02
1,1-Dichloropropene	ND	0.500	0.171		µg/L	1	09/24/21 13:02:02
Carbon tetrachloride	ND	0.750	0.192		µg/L	1	09/24/21 13:02:02

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33808 Analyst: KT

1,2-Dichloroethane (EDC)	ND	0.400	0.132	µg/L	1	09/24/21 13:02:02
Benzene	ND	0.440	0.179	µg/L	1	09/24/21 13:02:02
Trichloroethene (TCE)	ND	0.500	0.212	µg/L	1	09/24/21 13:02:02
1,2-Dichloropropane	ND	0.500	0.150	µg/L	1	09/24/21 13:02:02
Bromodichloromethane	ND	0.500	0.125	µg/L	1	09/24/21 13:02:02
Dibromomethane	ND	0.500	0.119	µg/L	1	09/24/21 13:02:02
cis-1,3-Dichloropropene	ND	0.500	0.118	µg/L	1	09/24/21 13:02:02
Toluene	ND	0.750	0.346	µg/L	1	09/24/21 13:02:02
trans-1,3-Dichloropropylene	ND	0.500	0.0993	µg/L	1	09/24/21 13:02:02
1,1,2-Trichloroethane	ND	0.350	0.136	µg/L	1	09/24/21 13:02:02
1,3-Dichloropropane	ND	0.500	0.129	µg/L	1	09/24/21 13:02:02
Tetrachloroethene (PCE)	ND	0.400	0.159	µg/L	1	09/24/21 13:02:02
Dibromochloromethane	ND	1.00	0.371	µg/L	1	09/24/21 13:02:02
1,2-Dibromoethane (EDB)	ND	0.300	0.134	µg/L	1	09/24/21 13:02:02
Chlorobenzene	ND	0.500	0.146	µg/L	1	09/24/21 13:02:02
1,1,1,2-Tetrachloroethane	ND	0.300	0.117	µg/L	1	09/24/21 13:02:02
Ethylbenzene	ND	0.400	0.143	µg/L	1	09/24/21 13:02:02
m,p-Xylene	ND	1.00	0.394	µg/L	1	09/24/21 13:02:02
o-Xylene	ND	0.500	0.147	µg/L	1	09/24/21 13:02:02
Bromoform	ND	0.500	0.179	µg/L	1	09/24/21 13:02:02
1,1,2,2-Tetrachloroethane	ND	0.400	0.146	µg/L	1	09/24/21 13:02:02
Bromobenzene	ND	0.500	0.112	µg/L	1	09/24/21 13:02:02
2-Chlorotoluene	ND	0.500	0.130	µg/L	1	09/24/21 13:02:02
4-Chlorotoluene	ND	0.500	0.135	µg/L	1	09/24/21 13:02:02
1,2,3-Trichloropropane	ND	0.400	0.132	µg/L	1	09/24/21 13:02:02
1,2,4-Trichlorobenzene	ND	0.750	0.248	µg/L	1	09/24/21 13:02:02
1,3-Dichlorobenzene	ND	0.500	0.140	µg/L	1	09/24/21 13:02:02
1,4-Dichlorobenzene	ND	0.500	0.173	µg/L	1	09/24/21 13:02:02
1,2-Dichlorobenzene	ND	0.500	0.133	µg/L	1	09/24/21 13:02:02
1,2-Dibromo-3-chloropropane	ND	1.00	0.369	µg/L	1	09/24/21 13:02:02
Hexachloro-1,3-butadiene	ND	0.500	0.192	µg/L	1	09/24/21 13:02:02
1,2,3-Trichlorobenzene	ND	0.700	0.295	µg/L	1	09/24/21 13:02:02
Surr: Dibromofluoromethane	97.6	80 - 120		%Rec	1	09/24/21 13:02:02
Surr: Toluene-d8	93.1	80 - 120		%Rec	1	09/24/21 13:02:02
Surr: 1-Bromo-4-fluorobenzene	100	80 - 120		%Rec	1	09/24/21 13:02:02

Analytical Report

Work Order: **2109371**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Collection Date: 9/22/2021 5:20:00 PM
Project: 8801- Excavations
Lab ID: 2109371-021
Matrix: Water
Client Sample ID: 8801- Batch 1 Composite

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Hexane Extractable Materials by EPA Method 1664A				Batch ID: 33815			Analyst: KJ
HEM (Oil and Grease)	ND	3.87	2.19		mg/L	1	09/24/21 15:16:57

NOTES:
Sample is a composite.

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109371-025
Client Sample ID: 8801- Batch 2

Collection Date: 9/22/2021 5:35:00 PM
Matrix: Water

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33809			Analyst: SB
Aroclor 1016	ND	0.0698	0.0251		µg/L	1	09/24/21 15:01:22
Aroclor 1221	ND	0.0698	0.0251		µg/L	1	09/24/21 15:01:22
Aroclor 1232	ND	0.0698	0.0251		µg/L	1	09/24/21 15:01:22
Aroclor 1242	ND	0.0698	0.0251		µg/L	1	09/24/21 15:01:22
Aroclor 1248	ND	0.0698	0.0195		µg/L	1	09/24/21 15:01:22
Aroclor 1254	ND	0.0698	0.0195		µg/L	1	09/24/21 15:01:22
Aroclor 1260	ND	0.0698	0.0195		µg/L	1	09/24/21 15:01:22
Aroclor 1262	ND	0.0698	0.0195		µg/L	1	09/24/21 15:01:22
Aroclor 1268	ND	0.0698	0.0195		µg/L	1	09/24/21 15:01:22
Total PCBs	ND	0.0698	0.0251		µg/L	1	09/24/21 15:01:22
Surr: Decachlorobiphenyl	58.6	6.49 - 114			%Rec	1	09/24/21 15:01:22
Surr: Tetrachloro-m-xylene	76.2	5.95 - 113			%Rec	1	09/24/21 15:01:22
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33808			Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	1.25	0.531		µg/L	1	09/24/21 13:32:13
Chloromethane	ND	0.750	0.260		µg/L	1	09/24/21 13:32:13
Vinyl chloride	ND	0.200	0.0235		µg/L	1	09/24/21 13:32:13
Bromomethane	ND	1.20	0.469		µg/L	1	09/24/21 13:32:13
Trichlorofluoromethane (CFC-11)	ND	0.500	0.187		µg/L	1	09/24/21 13:32:13
Chloroethane	ND	1.00	0.356		µg/L	1	09/24/21 13:32:13
1,1-Dichloroethene	ND	0.500	0.183		µg/L	1	09/24/21 13:32:13
Methylene chloride	ND	0.750	0.284		µg/L	1	09/24/21 13:32:13
trans-1,2-Dichloroethene	ND	0.500	0.175		µg/L	1	09/24/21 13:32:13
1,1-Dichloroethane	ND	0.500	0.182		µg/L	1	09/24/21 13:32:13
cis-1,2-Dichloroethene	ND	0.500	0.180		µg/L	1	09/24/21 13:32:13
Chloroform	ND	0.500	0.173		µg/L	1	09/24/21 13:32:13
1,1,1-Trichloroethane (TCA)	ND	0.400	0.132		µg/L	1	09/24/21 13:32:13
1,1-Dichloropropene	ND	0.500	0.171		µg/L	1	09/24/21 13:32:13
Carbon tetrachloride	ND	0.750	0.192		µg/L	1	09/24/21 13:32:13

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33808 Analyst: KT

1,2-Dichloroethane (EDC)	ND	0.400	0.132	µg/L	1	09/24/21 13:32:13
Benzene	ND	0.440	0.179	µg/L	1	09/24/21 13:32:13
Trichloroethene (TCE)	ND	0.500	0.212	µg/L	1	09/24/21 13:32:13
1,2-Dichloropropane	ND	0.500	0.150	µg/L	1	09/24/21 13:32:13
Bromodichloromethane	ND	0.500	0.125	µg/L	1	09/24/21 13:32:13
Dibromomethane	ND	0.500	0.119	µg/L	1	09/24/21 13:32:13
cis-1,3-Dichloropropene	ND	0.500	0.118	µg/L	1	09/24/21 13:32:13
Toluene	ND	0.750	0.346	µg/L	1	09/24/21 13:32:13
trans-1,3-Dichloropropylene	ND	0.500	0.0993	µg/L	1	09/24/21 13:32:13
1,1,2-Trichloroethane	ND	0.350	0.136	µg/L	1	09/24/21 13:32:13
1,3-Dichloropropane	ND	0.500	0.129	µg/L	1	09/24/21 13:32:13
Tetrachloroethene (PCE)	ND	0.400	0.159	µg/L	1	09/24/21 13:32:13
Dibromochloromethane	ND	1.00	0.371	µg/L	1	09/24/21 13:32:13
1,2-Dibromoethane (EDB)	ND	0.300	0.134	µg/L	1	09/24/21 13:32:13
Chlorobenzene	ND	0.500	0.146	µg/L	1	09/24/21 13:32:13
1,1,1,2-Tetrachloroethane	ND	0.300	0.117	µg/L	1	09/24/21 13:32:13
Ethylbenzene	ND	0.400	0.143	µg/L	1	09/24/21 13:32:13
m,p-Xylene	ND	1.00	0.394	µg/L	1	09/24/21 13:32:13
o-Xylene	ND	0.500	0.147	µg/L	1	09/24/21 13:32:13
Bromoform	ND	0.500	0.179	µg/L	1	09/24/21 13:32:13
1,1,2,2-Tetrachloroethane	ND	0.400	0.146	µg/L	1	09/24/21 13:32:13
Bromobenzene	ND	0.500	0.112	µg/L	1	09/24/21 13:32:13
2-Chlorotoluene	ND	0.500	0.130	µg/L	1	09/24/21 13:32:13
4-Chlorotoluene	ND	0.500	0.135	µg/L	1	09/24/21 13:32:13
1,2,3-Trichloropropane	ND	0.400	0.132	µg/L	1	09/24/21 13:32:13
1,2,4-Trichlorobenzene	ND	0.750	0.248	µg/L	1	09/24/21 13:32:13
1,3-Dichlorobenzene	ND	0.500	0.140	µg/L	1	09/24/21 13:32:13
1,4-Dichlorobenzene	ND	0.500	0.173	µg/L	1	09/24/21 13:32:13
1,2-Dichlorobenzene	ND	0.500	0.133	µg/L	1	09/24/21 13:32:13
1,2-Dibromo-3-chloropropane	ND	1.00	0.369	µg/L	1	09/24/21 13:32:13
Hexachloro-1,3-butadiene	ND	0.500	0.192	µg/L	1	09/24/21 13:32:13
1,2,3-Trichlorobenzene	ND	0.700	0.295	µg/L	1	09/24/21 13:32:13
Surr: Dibromofluoromethane	97.8	80 - 120		%Rec	1	09/24/21 13:32:13
Surr: Toluene-d8	95.2	80 - 120		%Rec	1	09/24/21 13:32:13
Surr: 1-Bromo-4-fluorobenzene	99.3	80 - 120		%Rec	1	09/24/21 13:32:13

Analytical Report

Work Order: **2109371**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Collection Date: 9/22/2021 5:35:00 PM
Project: 8801- Excavations
Lab ID: 2109371-026
Matrix: Water
Client Sample ID: **8801- Batch 2 Composite**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Hexane Extractable Materials by EPA Method 1664A				Batch ID: 33815			Analyst: KJ
HEM (Oil and Grease)	ND	3.81	2.16		mg/L	1	09/24/21 15:16:57

NOTES:
Sample is a composite.

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109371-030
Client Sample ID: 8801- Batch 3

Collection Date: 9/22/2021 5:50:00 PM
Matrix: Water

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33809			Analyst: SB
Aroclor 1016	ND	0.0694	0.0250		µg/L	1	09/24/21 15:11:10
Aroclor 1221	ND	0.0694	0.0250		µg/L	1	09/24/21 15:11:10
Aroclor 1232	ND	0.0694	0.0250		µg/L	1	09/24/21 15:11:10
Aroclor 1242	ND	0.0694	0.0250		µg/L	1	09/24/21 15:11:10
Aroclor 1248	ND	0.0694	0.0193		µg/L	1	09/24/21 15:11:10
Aroclor 1254	ND	0.0694	0.0193		µg/L	1	09/24/21 15:11:10
Aroclor 1260	ND	0.0694	0.0193		µg/L	1	09/24/21 15:11:10
Aroclor 1262	ND	0.0694	0.0193		µg/L	1	09/24/21 15:11:10
Aroclor 1268	ND	0.0694	0.0193		µg/L	1	09/24/21 15:11:10
Total PCBs	ND	0.0694	0.0250		µg/L	1	09/24/21 15:11:10
Surr: Decachlorobiphenyl	43.7	6.49 - 114			%Rec	1	09/24/21 15:11:10
Surr: Tetrachloro-m-xylene	78.3	5.95 - 113			%Rec	1	09/24/21 15:11:10
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33808			Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	1.25	0.531		µg/L	1	09/24/21 14:02:21
Chloromethane	ND	0.750	0.260		µg/L	1	09/24/21 14:02:21
Vinyl chloride	ND	0.200	0.0235		µg/L	1	09/24/21 14:02:21
Bromomethane	ND	1.20	0.469		µg/L	1	09/24/21 14:02:21
Trichlorofluoromethane (CFC-11)	ND	0.500	0.187		µg/L	1	09/24/21 14:02:21
Chloroethane	ND	1.00	0.356		µg/L	1	09/24/21 14:02:21
1,1-Dichloroethene	ND	0.500	0.183		µg/L	1	09/24/21 14:02:21
Methylene chloride	ND	0.750	0.284		µg/L	1	09/24/21 14:02:21
trans-1,2-Dichloroethene	ND	0.500	0.175		µg/L	1	09/24/21 14:02:21
1,1-Dichloroethane	ND	0.500	0.182		µg/L	1	09/24/21 14:02:21
cis-1,2-Dichloroethene	ND	0.500	0.180		µg/L	1	09/24/21 14:02:21
Chloroform	ND	0.500	0.173		µg/L	1	09/24/21 14:02:21
1,1,1-Trichloroethane (TCA)	ND	0.400	0.132		µg/L	1	09/24/21 14:02:21
1,1-Dichloropropene	ND	0.500	0.171		µg/L	1	09/24/21 14:02:21
Carbon tetrachloride	ND	0.750	0.192		µg/L	1	09/24/21 14:02:21

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33808 Analyst: KT

1,2-Dichloroethane (EDC)	ND	0.400	0.132	µg/L	1	09/24/21 14:02:21
Benzene	ND	0.440	0.179	µg/L	1	09/24/21 14:02:21
Trichloroethene (TCE)	ND	0.500	0.212	µg/L	1	09/24/21 14:02:21
1,2-Dichloropropane	ND	0.500	0.150	µg/L	1	09/24/21 14:02:21
Bromodichloromethane	ND	0.500	0.125	µg/L	1	09/24/21 14:02:21
Dibromomethane	ND	0.500	0.119	µg/L	1	09/24/21 14:02:21
cis-1,3-Dichloropropene	ND	0.500	0.118	µg/L	1	09/24/21 14:02:21
Toluene	ND	0.750	0.346	µg/L	1	09/24/21 14:02:21
trans-1,3-Dichloropropylene	ND	0.500	0.0993	µg/L	1	09/24/21 14:02:21
1,1,2-Trichloroethane	ND	0.350	0.136	µg/L	1	09/24/21 14:02:21
1,3-Dichloropropane	ND	0.500	0.129	µg/L	1	09/24/21 14:02:21
Tetrachloroethene (PCE)	ND	0.400	0.159	µg/L	1	09/24/21 14:02:21
Dibromochloromethane	ND	1.00	0.371	µg/L	1	09/24/21 14:02:21
1,2-Dibromoethane (EDB)	ND	0.300	0.134	µg/L	1	09/24/21 14:02:21
Chlorobenzene	ND	0.500	0.146	µg/L	1	09/24/21 14:02:21
1,1,1,2-Tetrachloroethane	ND	0.300	0.117	µg/L	1	09/24/21 14:02:21
Ethylbenzene	ND	0.400	0.143	µg/L	1	09/24/21 14:02:21
m,p-Xylene	ND	1.00	0.394	µg/L	1	09/24/21 14:02:21
o-Xylene	ND	0.500	0.147	µg/L	1	09/24/21 14:02:21
Bromoform	ND	0.500	0.179	µg/L	1	09/24/21 14:02:21
1,1,2,2-Tetrachloroethane	ND	0.400	0.146	µg/L	1	09/24/21 14:02:21
Bromobenzene	ND	0.500	0.112	µg/L	1	09/24/21 14:02:21
2-Chlorotoluene	ND	0.500	0.130	µg/L	1	09/24/21 14:02:21
4-Chlorotoluene	ND	0.500	0.135	µg/L	1	09/24/21 14:02:21
1,2,3-Trichloropropane	ND	0.400	0.132	µg/L	1	09/24/21 14:02:21
1,2,4-Trichlorobenzene	ND	0.750	0.248	µg/L	1	09/24/21 14:02:21
1,3-Dichlorobenzene	ND	0.500	0.140	µg/L	1	09/24/21 14:02:21
1,4-Dichlorobenzene	ND	0.500	0.173	µg/L	1	09/24/21 14:02:21
1,2-Dichlorobenzene	ND	0.500	0.133	µg/L	1	09/24/21 14:02:21
1,2-Dibromo-3-chloropropane	ND	1.00	0.369	µg/L	1	09/24/21 14:02:21
Hexachloro-1,3-butadiene	ND	0.500	0.192	µg/L	1	09/24/21 14:02:21
1,2,3-Trichlorobenzene	ND	0.700	0.295	µg/L	1	09/24/21 14:02:21
Surr: Dibromofluoromethane	97.8	80 - 120		%Rec	1	09/24/21 14:02:21
Surr: Toluene-d8	96.4	80 - 120		%Rec	1	09/24/21 14:02:21
Surr: 1-Bromo-4-fluorobenzene	96.1	80 - 120		%Rec	1	09/24/21 14:02:21

Analytical Report

Work Order: **2109371**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Collection Date: 9/22/2021 5:55:00 PM
Project: 8801- Excavations
Lab ID: 2109371-031
Matrix: Water
Client Sample ID: **8801- Batch 3**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Hexane Extractable Materials by EPA Method 1664A				Batch ID: 33815			Analyst: KJ
HEM (Oil and Grease)	ND	3.88	2.19		mg/L	1	09/24/21 15:16:57

NOTES:
Sample is a composite.

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Hexane Extractable Materials by EPA Method 1664A

Sample ID: **MB-33815**	SampType: **MBLK**			Units: **mg/L**		Prep Date: **9/24/2021**			RunNo: **70128**	
Client ID: **MBLKW**	Batch ID: **33815**					Analysis Date: **9/24/2021**			SeqNo: **1422348**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
HEM (Oil and Grease)	ND	4.00									

Sample ID: **LCS-33815**	SampType: **LCS**			Units: **mg/L**		Prep Date: **9/24/2021**			RunNo: **70128**	
Client ID: **LCSW**	Batch ID: **33815**					Analysis Date: **9/24/2021**			SeqNo: **1422349**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
HEM (Oil and Grease)	34.8	4.00	40.00	0	87.0	78	114				

Sample ID: **2109371-031AMS**	SampType: **MS**			Units: **mg/L**		Prep Date: **9/24/2021**			RunNo: **70128**	
Client ID: **8801- Batch 3**	Batch ID: **33815**					Analysis Date: **9/24/2021**			SeqNo: **1422353**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
HEM (Oil and Grease)	37.6	3.87	38.69	0	97.3	78	114				

NOTES:
Sample is a composite.

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **ICB-33817**	SampType: **ICB**	Units: **µg/L**	Prep Date: **9/24/2021**	RunNo: **70133**
Client ID: **ICB**	Batch ID: **33817**		Analysis Date: **9/24/2021**	SeqNo: **1422537**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Lead	ND	2.00									

Sample ID: **ICV-33817**	SampType: **ICV**	Units: **µg/L**	Prep Date: **9/24/2021**	RunNo: **70133**
Client ID: **ICV**	Batch ID: **33817**		Analysis Date: **9/24/2021**	SeqNo: **1422538**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	105	1.20	100.0	0	105	90	110				
Cadmium	5.28	2.00	5.000	0	106	90	110				
Chromium	101	4.00	100.0	0	101	90	110				
Lead	53.9	2.00	50.00	0	108	90	110				

Sample ID: **MB-33817**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **9/24/2021**	RunNo: **70133**
Client ID: **MBLKS**	Batch ID: **33817**		Analysis Date: **9/24/2021**	SeqNo: **1422542**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0945									
Cadmium	0.00425	0.157									J
Chromium	ND	0.315									
Lead	0.193	0.157									

Sample ID: **LCS-33817**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **9/24/2021**	RunNo: **70133**
Client ID: **LCSS**	Batch ID: **33817**		Analysis Date: **9/24/2021**	SeqNo: **1422543**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	37.6	0.0930	38.76	0	97.0	80	120				
Cadmium	1.91	0.155	1.938	0	98.4	80	120				

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **LCS-33817** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/24/2021** RunNo: **70133**
Client ID: **LCSS** Batch ID: **33817** Analysis Date: **9/24/2021** SeqNo: **1422543**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	37.0	0.310	38.76	0	95.4	80	120				
Lead	22.1	0.155	19.38	0	114	80	120				B

Sample ID: **2109371-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/24/2021** RunNo: **70133**
Client ID: **A5-SIDE1:7** Batch ID: **33817** Analysis Date: **9/24/2021** SeqNo: **1422546**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	52.6	0.115	47.93	5.517	98.3	75	125				
Cadmium	4.15	0.192	2.397	2.433	71.5	75	125				S
Chromium	80.3	0.383	47.93	39.77	84.6	75	125				
Lead	215	0.192	23.97	582.4	-1,530	75	125				BES

NOTES:
S - Analyte concentration was too high for accurate spike recovery(ies).

Sample ID: **2109371-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/24/2021** RunNo: **70133**
Client ID: **A5-SIDE1:7** Batch ID: **33817** Analysis Date: **9/24/2021** SeqNo: **1422547**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	57.6	0.120	49.81	5.517	105	75	125	52.63	9.06	20	
Cadmium	4.57	0.199	2.490	2.433	85.6	75	125	4.147	9.60	20	
Chromium	94.6	0.398	49.81	39.77	110	75	125	80.34	16.3	20	
Lead	319	0.199	24.90	582.4	-1,060	75	125	215.1	38.9	20	ERS

NOTES:
S - Analyte concentration was too high for accurate spike recovery(ies).

Sample ID: **CCV-33817A** SampType: **CCV** Units: **µg/L** Prep Date: **9/24/2021** RunNo: **70133**
Client ID: **CCV** Batch ID: **33817** Analysis Date: **9/24/2021** SeqNo: **1422548**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	103	1.20	100.0	0	103	90	110				
Cadmium	5.08	2.00	5.000	0	102	90	110				

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-33817A** SampType: **CCV** Units: **µg/L** Prep Date: **9/24/2021** RunNo: **70133**
Client ID: **CCV** Batch ID: **33817** Analysis Date: **9/24/2021** SeqNo: **1422548**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	99.4	4.00	100.0	0	99.4	90	110				
Lead	55.0	2.00	50.00	0	110	90	110				

Sample ID: **CCB-33817A** SampType: **CCB** Units: **µg/L** Prep Date: **9/24/2021** RunNo: **70133**
Client ID: **CCB** Batch ID: **33817** Analysis Date: **9/24/2021** SeqNo: **1422549**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Lead	ND	2.00									

Sample ID: **CCV-33817B** SampType: **CCV** Units: **µg/L** Prep Date: **9/24/2021** RunNo: **70133**
Client ID: **CCV** Batch ID: **33817** Analysis Date: **9/24/2021** SeqNo: **1422560**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	105	1.20	100.0	0	105	90	110				
Cadmium	5.15	2.00	5.000	0	103	90	110				
Chromium	101	4.00	100.0	0	101	90	110				
Lead	53.4	2.00	50.00	0	107	90	110				

Sample ID: **CCB-33817B** SampType: **CCB** Units: **µg/L** Prep Date: **9/24/2021** RunNo: **70133**
Client ID: **CCB** Batch ID: **33817** Analysis Date: **9/24/2021** SeqNo: **1422561**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Lead	ND	2.00									

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCB-33817B** SampType: **CCB** Units: **µg/L** Prep Date: **9/24/2021** RunNo: **70133**
Client ID: **CCB** Batch ID: **33817** Analysis Date: **9/24/2021** SeqNo: **1422561**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **CCV-33817C** SampType: **CCV** Units: **µg/L** Prep Date: **9/24/2021** RunNo: **70133**
Client ID: **CCV** Batch ID: **33817** Analysis Date: **9/24/2021** SeqNo: **1422572**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	104	1.20	100.0	0	104	90	110				
Cadmium	5.15	2.00	5.000	0	103	90	110				
Chromium	97.0	4.00	100.0	0	97.0	90	110				
Lead	55.8	2.00	50.00	0	112	90	110				S

NOTES:
S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Sample ID: **CCB-33817C** SampType: **CCB** Units: **µg/L** Prep Date: **9/24/2021** RunNo: **70133**
Client ID: **CCB** Batch ID: **33817** Analysis Date: **9/24/2021** SeqNo: **1422573**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Lead	ND	2.00									

Sample ID: **ICB-33817A** SampType: **ICB** Units: **µg/L** Prep Date: **9/27/2021** RunNo: **70133**
Client ID: **ICB** Batch ID: **33817** Analysis Date: **9/27/2021** SeqNo: **1423478**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Lead	ND	2.00									

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **ICV-33817A** SampType: **ICV** Units: **µg/L** Prep Date: **9/27/2021** RunNo: **70133**
Client ID: **ICV** Batch ID: **33817** Analysis Date: **9/27/2021** SeqNo: **1423481**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	98.5	1.20	100.0	0	98.5	90	110				
Cadmium	5.06	2.00	5.000	0	101	90	110				
Chromium	95.3	4.00	100.0	0	95.3	90	110				
Lead	48.3	2.00	50.00	0	96.6	90	110				

Sample ID: **CCV-33817D** SampType: **CCV** Units: **µg/L** Prep Date: **9/27/2021** RunNo: **70133**
Client ID: **CCV** Batch ID: **33817** Analysis Date: **9/27/2021** SeqNo: **1423502**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	94.7	1.20	100.0	0	94.7	90	110				
Cadmium	4.93	2.00	5.000	0	98.7	90	110				
Chromium	91.7	4.00	100.0	0	91.7	90	110				
Lead	45.5	2.00	50.00	0	91.0	90	110				

Sample ID: **CCB-33817D** SampType: **CCB** Units: **µg/L** Prep Date: **9/27/2021** RunNo: **70133**
Client ID: **CCB** Batch ID: **33817** Analysis Date: **9/27/2021** SeqNo: **1423503**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Lead	ND	2.00									

Sample ID: **CCV-33817E** SampType: **CCV** Units: **µg/L** Prep Date: **9/27/2021** RunNo: **70133**
Client ID: **CCV** Batch ID: **33817** Analysis Date: **9/27/2021** SeqNo: **1423511**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	90.3	1.20	100.0	0	90.3	90	110				
Cadmium	4.74	2.00	5.000	0	94.8	90	110				

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-33817E** SampType: **CCV** Units: **µg/L** Prep Date: **9/27/2021** RunNo: **70133**
Client ID: **CCV** Batch ID: **33817** Analysis Date: **9/27/2021** SeqNo: **1423511**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	89.1	4.00	100.0	0	89.1	90	110				S
Lead	41.9	2.00	50.00	0	83.9	90	110				S

NOTES:
S - Outlying spike recovery observed (low bias). Samples will be qualified with a Q.

Sample ID: **CCB-33817E** SampType: **CCB** Units: **µg/L** Prep Date: **9/27/2021** RunNo: **70133**
Client ID: **CCB** Batch ID: **33817** Analysis Date: **9/27/2021** SeqNo: **1423512**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Lead	ND	2.00									

Sample ID: **ICB-33817B** SampType: **ICB** Units: **µg/L** Prep Date: **9/28/2021** RunNo: **70133**
Client ID: **ICB** Batch ID: **33817** Analysis Date: **9/28/2021** SeqNo: **1424031**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Lead	ND	2.00									

Sample ID: **ICV-33817B** SampType: **ICV** Units: **µg/L** Prep Date: **9/28/2021** RunNo: **70133**
Client ID: **ICV** Batch ID: **33817** Analysis Date: **9/28/2021** SeqNo: **1424032**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	110	1.20	100.0	0	110	90	110				
Cadmium	4.63	2.00	5.000	0	92.7	90	110				
Chromium	101	4.00	100.0	0	101	90	110				

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **ICV-33817B**	SampType: **ICV**			Units: **µg/L**		Prep Date: **9/28/2021**		RunNo: **70133**		
Client ID: **ICV**	Batch ID: **33817**					Analysis Date: **9/28/2021**		SeqNo: **1424032**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	49.5	2.00	50.00	0	99.1	90	110				

Sample ID: **CCV-33817F**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/28/2021**		RunNo: **70133**		
Client ID: **CCV**	Batch ID: **33817**					Analysis Date: **9/28/2021**		SeqNo: **1424036**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	113	1.20	100.0	0	113	90	110				S
Cadmium	4.99	2.00	5.000	0	99.7	90	110				
Chromium	107	4.00	100.0	0	107	90	110				
Lead	52.6	2.00	50.00	0	105	90	110				

NOTES:
S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Sample ID: **CCB-33817F**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/28/2021**		RunNo: **70133**		
Client ID: **CCB**	Batch ID: **33817**					Analysis Date: **9/28/2021**		SeqNo: **1424037**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Lead	ND	2.00									

Sample ID: **CCV-33817G**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/28/2021**		RunNo: **70133**		
Client ID: **CCV**	Batch ID: **33817**					Analysis Date: **9/28/2021**		SeqNo: **1424047**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	116	1.20	100.0	0	116	90	110				S
Cadmium	4.90	2.00	5.000	0	98.1	90	110				
Chromium	101	4.00	100.0	0	101	90	110				
Lead	55.9	2.00	50.00	0	112	90	110				S

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-33817G** SampType: **CCV** Units: **µg/L** Prep Date: **9/28/2021** RunNo: **70133**
Client ID: **CCV** Batch ID: **33817** Analysis Date: **9/28/2021** SeqNo: **1424047**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:
S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Sample ID: **CCB-33817G** SampType: **CCB** Units: **µg/L** Prep Date: **9/28/2021** RunNo: **70133**
Client ID: **CCB** Batch ID: **33817** Analysis Date: **9/28/2021** SeqNo: **1424048**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Lead	ND	2.00									

Sample ID: **ICB-33817C** SampType: **ICB** Units: **µg/L** Prep Date: **9/30/2021** RunNo: **70133**
Client ID: **ICB** Batch ID: **33817** Analysis Date: **9/30/2021** SeqNo: **1425709**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Lead	ND	2.00									

Sample ID: **ICV-33817C** SampType: **ICV** Units: **µg/L** Prep Date: **9/30/2021** RunNo: **70133**
Client ID: **ICV** Batch ID: **33817** Analysis Date: **9/30/2021** SeqNo: **1425712**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	106	1.20	100.0	0	106	90	110				
Cadmium	4.94	2.00	5.000	0	98.9	90	110				
Chromium	102	4.00	100.0	0	102	90	110				
Lead	47.5	2.00	50.00	0	94.9	90	110				

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-33817H** SampType: **CCV** Units: **µg/L** Prep Date: **9/30/2021** RunNo: **70133**
Client ID: **CCV** Batch ID: **33817** Analysis Date: **9/30/2021** SeqNo: **1425726**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	103	1.20	100.0	0	103	90	110				
Cadmium	5.22	2.00	5.000	0	104	90	110				
Chromium	99.0	4.00	100.0	0	99.0	90	110				
Lead	47.2	2.00	50.00	0	94.3	90	110				

Sample ID: **CCB-33817H** SampType: **CCB** Units: **µg/L** Prep Date: **9/30/2021** RunNo: **70133**
Client ID: **CCB** Batch ID: **33817** Analysis Date: **9/30/2021** SeqNo: **1425727**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Lead	ND	2.00									

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1254 ICB** SampType: **ICB** Units: **mg/Kg** Prep Date: **8/24/2021** RunNo: **70112**
Client ID: **ICB** Batch ID: **R69481** Analysis Date: **8/24/2021** SeqNo: **1408020**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	ND	0.0500									
Surr: Decachlorobiphenyl	207		200.0		103	50.2	159				
Surr: Tetrachloro-m-xylene	210		200.0		105	60.3	134				

Sample ID: **1254 ICV** SampType: **ICV** Units: **mg/Kg** Prep Date: **8/24/2021** RunNo: **70112**
Client ID: **ICV** Batch ID: **R69481** Analysis Date: **8/24/2021** SeqNo: **1408021**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.961	0.0500	1.000	0	96.1	80	120				
Surr: Decachlorobiphenyl	204		200.0		102	30.2	155				
Surr: Tetrachloro-m-xylene	203		200.0		101	58.8	143				

Sample ID: **1660 ICB** SampType: **ICB** Units: **mg/Kg** Prep Date: **8/25/2021** RunNo: **70112**
Client ID: **ICB** Batch ID: **R69481** Analysis Date: **8/25/2021** SeqNo: **1408031**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1260	ND	0.0500									
Surr: Decachlorobiphenyl	208		200.0		104	50.2	159				
Surr: Tetrachloro-m-xylene	208		200.0		104	60.3	134				

Sample ID: **1660 ICV** SampType: **ICV** Units: **mg/Kg** Prep Date: **8/25/2021** RunNo: **70112**
Client ID: **ICV** Batch ID: **R69481** Analysis Date: **8/25/2021** SeqNo: **1408033**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.928	0.0500	1.000	0	92.8	80	120				
Aroclor 1260	0.940	0.0500	1.000	0	94.0	80	120				
Surr: Decachlorobiphenyl	185		200.0		92.7	30.2	155				
Surr: Tetrachloro-m-xylene	189		200.0		94.3	58.8	143				

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1660 ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **8/25/2021**	RunNo: **70112**
Client ID: **ICV**	Batch ID: **R69481**		Analysis Date: **8/25/2021**	SeqNo: **1408033**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **1660-CCV-33796A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **9/24/2021**	RunNo: **70122**
Client ID: **CCV**	Batch ID: **33796**		Analysis Date: **9/24/2021**	SeqNo: **1422307**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.10	0.0500	1.000	0	110	80	120				
Aroclor 1260	1.19	0.0500	1.000	0	119	80	120				
Surr: Decachlorobiphenyl	191		200.0		95.5	30.2	155				
Surr: Tetrachloro-m-xylene	230		200.0		115	58.8	143				

Sample ID: **1254-CCV-33796A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **9/24/2021**	RunNo: **70122**
Client ID: **CCV**	Batch ID: **33796**		Analysis Date: **9/24/2021**	SeqNo: **1422309**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.12	0.0500	1.000	0	112	80	120				
Surr: Decachlorobiphenyl	190		200.0		95.0	30.2	155				
Surr: Tetrachloro-m-xylene	227		200.0		114	58.8	143				

Sample ID: **MB-33796**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **9/23/2021**	RunNo: **70122**
Client ID: **MBLKS**	Batch ID: **33796**		Analysis Date: **9/24/2021**	SeqNo: **1422311**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1221	ND	0.0500									
Aroclor 1232	ND	0.0500									
Aroclor 1242	ND	0.0500									
Aroclor 1248	ND	0.0500									
Aroclor 1254	ND	0.0500									
Aroclor 1260	ND	0.0500									

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **MB-33796** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/23/2021** RunNo: **70122**
Client ID: **MBLKS** Batch ID: **33796** Analysis Date: **9/24/2021** SeqNo: **1422311**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1262	ND	0.0500									
Aroclor 1268	ND	0.0500									
Total PCBs	ND	0.0500									
Surr: Decachlorobiphenyl	157		200.0		78.7	20.6	142				
Surr: Tetrachloro-m-xylene	184		200.0		91.9	22	157				

Sample ID: **LCS1-33796** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/23/2021** RunNo: **70122**
Client ID: **LCSS** Batch ID: **33796** Analysis Date: **9/24/2021** SeqNo: **1422313**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.04	0.0500	1.000	0	104	52.2	136				
Aroclor 1260	1.14	0.0500	1.000	0	114	50.5	150				
Surr: Decachlorobiphenyl	216		200.0		108	20.6	142				
Surr: Tetrachloro-m-xylene	238		200.0		119	22	157				

Sample ID: **LCS2-33796** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/23/2021** RunNo: **70122**
Client ID: **LCSS** Batch ID: **33796** Analysis Date: **9/24/2021** SeqNo: **1422315**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.25	0.0500	1.000	0	125	48.1	147				
Surr: Decachlorobiphenyl	240		200.0		120	20.6	142				
Surr: Tetrachloro-m-xylene	267		200.0		133	22	157				

Sample ID: **2109371-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/23/2021** RunNo: **70122**
Client ID: **A5-SIDE1:7** Batch ID: **33796** Analysis Date: **9/24/2021** SeqNo: **1422319**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.08	0.0513	1.027	0	105	38.6	146				
Aroclor 1260	1.08	0.0513	1.027	0	105	24.6	161				

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **2109371-001AMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **9/23/2021**	RunNo: **70122**
Client ID: **A5-SIDE1:7**	Batch ID: **33796**		Analysis Date: **9/24/2021**	SeqNo: **1422319**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	135		205.3		65.5	20.6	142				
Surr: Tetrachloro-m-xylene	183		205.3		89.1	22	157				

Sample ID: **2109371-001AMSD**	SampType: **MSD**	Units: **mg/Kg-dry**	Prep Date: **9/23/2021**	RunNo: **70122**
Client ID: **A5-SIDE1:7**	Batch ID: **33796**		Analysis Date: **9/24/2021**	SeqNo: **1422321**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.42	0.0529	1.057	0	134	38.6	146	1.076	27.3	30	
Aroclor 1260	1.22	0.0529	1.057	0	115	24.6	161	1.076	12.3	30	
Surr: Decachlorobiphenyl	211		211.5		99.7	20.6	142		0		
Surr: Tetrachloro-m-xylene	280		211.5		133	22	157		0		

Sample ID: **1660-CCV-33796B**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **9/24/2021**	RunNo: **70122**
Client ID: **CCV**	Batch ID: **33796**		Analysis Date: **9/24/2021**	SeqNo: **1422337**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.08	0.0500	1.000	0	108	80	120				
Aroclor 1260	1.08	0.0500	1.000	0	108	80	120				
Surr: Decachlorobiphenyl	166		200.0		82.9	30.2	155				
Surr: Tetrachloro-m-xylene	213		200.0		107	58.8	143				

Sample ID: **1254-CCV-33796B**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **9/24/2021**	RunNo: **70122**
Client ID: **CCV**	Batch ID: **33796**		Analysis Date: **9/24/2021**	SeqNo: **1422338**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.24	0.0500	1.000	0	124	80	120				S
Surr: Decachlorobiphenyl	190		200.0		95.0	30.2	155				
Surr: Tetrachloro-m-xylene	235		200.0		118	58.8	143				

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1254-CCV-33796B** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/24/2021** RunNo: **70122**
Client ID: **CCV** Batch ID: **33796** Analysis Date: **9/24/2021** SeqNo: **1422338**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:
S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Sample ID: **1660-CCV-33796C** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/24/2021** RunNo: **70122**
Client ID: **CCV** Batch ID: **33796** Analysis Date: **9/24/2021** SeqNo: **1422789**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.862	0.0500	1.000	0	86.2	80	120				
Aroclor 1260	0.947	0.0500	1.000	0	94.7	80	120				
Surr: Decachlorobiphenyl	171		200.0		85.6	30.2	155				
Surr: Tetrachloro-m-xylene	210		200.0		105	58.8	143				

Sample ID: **1254-CCV-33796C** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/24/2021** RunNo: **70122**
Client ID: **CCV** Batch ID: **33796** Analysis Date: **9/24/2021** SeqNo: **1422790**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.13	0.0500	1.000	0	113	80	120				
Surr: Decachlorobiphenyl	189		200.0		94.5	30.2	155				
Surr: Tetrachloro-m-xylene	229		200.0		114	58.8	143				

Sample ID: **1660-CCV-33796D** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/24/2021** RunNo: **70122**
Client ID: **CCV** Batch ID: **33796** Analysis Date: **9/24/2021** SeqNo: **1422802**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.931	0.0500	1.000	0	93.1	80	120				
Aroclor 1260	0.920	0.0500	1.000	0	92.0	80	120				
Surr: Decachlorobiphenyl	183		200.0		91.7	30.2	155				
Surr: Tetrachloro-m-xylene	224		200.0		112	58.8	143				

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1254-CCV-33796D** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/24/2021** RunNo: **70122**
Client ID: **CCV** Batch ID: **33796** Analysis Date: **9/24/2021** SeqNo: **1422803**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.11	0.0500	1.000	0	111	80	120				
Surr: Decachlorobiphenyl	191		200.0		95.6	30.2	155				
Surr: Tetrachloro-m-xylene	229		200.0		114	58.8	143				

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1254 ICB** SampType: **ICB** Units: **µg/L** Prep Date: **8/24/2021** RunNo: **70130**
Client ID: **ICB** Batch ID: **R69481** Analysis Date: **8/24/2021** SeqNo: **1428463**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	ND	0.0700									
Surr: Decachlorobiphenyl	207		200.0		103	5	124				
Surr: Tetrachloro-m-xylene	210		200.0		105	21.2	115				

Sample ID: **1254 ICV** SampType: **ICV** Units: **µg/L** Prep Date: **8/24/2021** RunNo: **70130**
Client ID: **ICV** Batch ID: **R69481** Analysis Date: **8/24/2021** SeqNo: **1428496**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.961	0.0700	1.000	0	96.1	80	120				
Surr: Decachlorobiphenyl	204		200.0		102	28.4	158				
Surr: Tetrachloro-m-xylene	203		200.0		101	57.8	143				

Sample ID: **1660 ICB** SampType: **ICB** Units: **µg/L** Prep Date: **8/25/2021** RunNo: **70130**
Client ID: **ICB** Batch ID: **R69481** Analysis Date: **8/25/2021** SeqNo: **1428497**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0700									
Aroclor 1260	ND	0.0700									
Surr: Decachlorobiphenyl	208		200.0		104	5	124				
Surr: Tetrachloro-m-xylene	208		200.0		104	21.2	115				

Sample ID: **1660 ICV** SampType: **ICV** Units: **µg/L** Prep Date: **8/25/2021** RunNo: **70130**
Client ID: **ICV** Batch ID: **R69481** Analysis Date: **8/25/2021** SeqNo: **1428498**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.928	0.0700	1.000	0	92.8	80	120				
Aroclor 1260	0.940	0.0700	1.000	0	94.0	80	120				
Surr: Decachlorobiphenyl	185		200.0		92.7	28.4	158				
Surr: Tetrachloro-m-xylene	189		200.0		94.3	57.8	143				

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1660 ICV**	SampType: **ICV**	Units: **µg/L**	Prep Date: **8/25/2021**	RunNo: **70130**
Client ID: **ICV**	Batch ID: **R69481**		Analysis Date: **8/25/2021**	SeqNo: **1428498**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **1660-CCV-33809A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **9/24/2021**	RunNo: **70130**
Client ID: **CCV**	Batch ID: **33809**		Analysis Date: **9/24/2021**	SeqNo: **1422440**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.852	0.0700	1.000	0	85.2	80	120				
Aroclor 1260	1.01	0.0700	1.000	0	101	80	120				
Surr: Decachlorobiphenyl	191		200.0		95.3	28.4	158				
Surr: Tetrachloro-m-xylene	218		200.0		109	57.8	143				

Sample ID: **1254-CCV-33809A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **9/24/2021**	RunNo: **70130**
Client ID: **CCV**	Batch ID: **33809**		Analysis Date: **9/24/2021**	SeqNo: **1422441**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.14	0.0700	1.000	0	114	80	120				
Surr: Decachlorobiphenyl	201		200.0		101	28.4	158				
Surr: Tetrachloro-m-xylene	228		200.0		114	57.8	143				

Sample ID: **MB-33809**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **9/23/2021**	RunNo: **70130**
Client ID: **MBLKW**	Batch ID: **33809**		Analysis Date: **9/24/2021**	SeqNo: **1422442**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0693									
Aroclor 1221	ND	0.0693									
Aroclor 1232	ND	0.0693									
Aroclor 1242	ND	0.0693									
Aroclor 1248	ND	0.0693									
Aroclor 1254	ND	0.0693									
Aroclor 1260	ND	0.0693									

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **MB-33809** SampType: **MBLK** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70130**
Client ID: **MBLKW** Batch ID: **33809** Analysis Date: **9/24/2021** SeqNo: **1422442**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1262	ND	0.0693									
Aroclor 1268	ND	0.0693									
Total PCBs	ND	0.0693									
Surr: Decachlorobiphenyl	197		395.9		49.9	6.49	114				
Surr: Tetrachloro-m-xylene	321		395.9		81.1	5.95	113				

Sample ID: **LCS1-33809** SampType: **LCS** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70130**
Client ID: **LCSW** Batch ID: **33809** Analysis Date: **9/24/2021** SeqNo: **1422443**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.12	0.0695	1.985	0	56.5	27.9	115				
Aroclor 1260	1.21	0.0695	1.985	0	60.7	32.5	120				
Surr: Decachlorobiphenyl	237		397.1		59.6	6.49	114				
Surr: Tetrachloro-m-xylene	294		397.1		74.0	5.95	113				

Sample ID: **LCS1D-33809** SampType: **LCSD** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70130**
Client ID: **LCSW02** Batch ID: **33809** Analysis Date: **9/24/2021** SeqNo: **1422444**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.37	0.0691	1.974	0	69.4	27.9	115	1.121	20.0	20	
Aroclor 1260	1.41	0.0691	1.974	0	71.2	32.5	120	1.206	15.3	20	
Surr: Decachlorobiphenyl	230		394.8		58.2	6.49	114		0		
Surr: Tetrachloro-m-xylene	285		394.8		72.2	5.95	113		0		

Sample ID: **LCS2-33809** SampType: **LCS** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70130**
Client ID: **LCSW** Batch ID: **33809** Analysis Date: **9/24/2021** SeqNo: **1422445**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.61	0.0691	1.974	0	81.7	37	122				

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **LCS2-33809**	SampType: **LCS**	Units: **µg/L**	Prep Date: **9/23/2021**	RunNo: **70130**
Client ID: **LCSW**	Batch ID: **33809**		Analysis Date: **9/24/2021**	SeqNo: **1422445**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	264		394.8		66.8	6.49	114				
Surr: Tetrachloro-m-xylene	282		394.8		71.5	5.95	113				

Sample ID: **2109313-001BMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **9/23/2021**	RunNo: **70130**
Client ID: **BATCH**	Batch ID: **33809**		Analysis Date: **9/24/2021**	SeqNo: **1422450**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.24	0.0695	1.987	0	62.5	19.9	116				
Aroclor 1260	1.26	0.0695	1.987	0	63.3	16.8	120				
Surr: Decachlorobiphenyl	257		397.3		64.8	6.49	114				
Surr: Tetrachloro-m-xylene	274		397.3		69.0	5.95	113				

Sample ID: **1660-CCV-33809B**	SampType: **CCV**	Units: **µg/L**	Prep Date: **9/24/2021**	RunNo: **70130**
Client ID: **CCV**	Batch ID: **33809**		Analysis Date: **9/24/2021**	SeqNo: **1422451**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.860	0.0700	1.000	0	86.0	80	120				
Aroclor 1260	0.947	0.0700	1.000	0	94.7	80	120				
Surr: Decachlorobiphenyl	171		200.0		85.6	28.4	158				
Surr: Tetrachloro-m-xylene	210		200.0		105	57.8	143				

Sample ID: **1254-CCV-33809B**	SampType: **CCV**	Units: **µg/L**	Prep Date: **9/24/2021**	RunNo: **70130**
Client ID: **CCV**	Batch ID: **33809**		Analysis Date: **9/24/2021**	SeqNo: **1422452**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.13	0.0700	1.000	0	113	80	120				
Surr: Decachlorobiphenyl	189		200.0		94.5	28.4	158				
Surr: Tetrachloro-m-xylene	229		200.0		114	57.8	143				

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **ICB** SampType: **ICB** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70097**
Client ID: **ICB** Batch ID: **R70097** Analysis Date: **9/23/2021** SeqNo: **1421435**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.25									
Chloromethane	ND	0.750									
Vinyl chloride	ND	0.200									
Bromomethane	ND	1.20									
Trichlorofluoromethane (CFC-11)	ND	0.500									
Chloroethane	ND	1.00									
1,1-Dichloroethene	ND	0.500									
Methylene chloride	ND	0.750									
trans-1,2-Dichloroethene	ND	0.500									
1,1-Dichloroethane	ND	0.500									
cis-1,2-Dichloroethene	ND	0.500									
Chloroform	ND	0.500									
1,1,1-Trichloroethane (TCA)	ND	0.400									
1,1-Dichloropropene	ND	0.500									
Carbon tetrachloride	ND	0.750									
1,2-Dichloroethane (EDC)	ND	0.400									
Benzene	ND	0.440									
Trichloroethene (TCE)	ND	0.500									
1,2-Dichloropropane	ND	0.500									
Bromodichloromethane	ND	0.500									
Dibromomethane	ND	0.500									
cis-1,3-Dichloropropene	ND	0.500									
Toluene	ND	0.750									
trans-1,3-Dichloropropylene	ND	0.500									
1,1,2-Trichloroethane	ND	0.350									
1,3-Dichloropropane	ND	0.500									
Tetrachloroethene (PCE)	ND	0.400									
Dibromochloromethane	ND	1.00									
1,2-Dibromoethane (EDB)	ND	0.300									
Chlorobenzene	ND	0.500									

Work Order: 2109371
CLIENT: Shannon & Wilson
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QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **ICB** SampType: **ICB** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70097**
Client ID: **ICB** Batch ID: **R70097** Analysis Date: **9/23/2021** SeqNo: **1421435**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.300									
Ethylbenzene	ND	0.400									
m,p-Xylene	ND	1.00									
o-Xylene	ND	0.500									
Bromoform	ND	0.500									
1,1,2,2-Tetrachloroethane	ND	0.400									
Bromobenzene	ND	0.500									
2-Chlorotoluene	ND	0.500									
4-Chlorotoluene	ND	0.500									
1,2,3-Trichloropropane	ND	0.400									
1,2,4-Trichlorobenzene	ND	0.750									
1,3-Dichlorobenzene	ND	0.500									
1,4-Dichlorobenzene	ND	0.500									
1,2-Dichlorobenzene	ND	0.500									
1,2-Dibromo-3-chloropropane	ND	1.00									
Hexachloro-1,3-butadiene	ND	0.500									
1,2,3-Trichlorobenzene	ND	0.700									
Surr: Dibromofluoromethane	25.0		25.00		100	80	120				
Surr: Toluene-d8	24.4		25.00		97.6	80	120				
Surr: 1-Bromo-4-fluorobenzene	24.5		25.00		98.0	80	120				

Sample ID: **ICV VOC 25964** SampType: **ICV** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70097**
Client ID: **ICV** Batch ID: **R70097** Analysis Date: **9/23/2021** SeqNo: **1421436**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	22.1	1.25	20.00	0	111	70	130				
Chloromethane	21.6	0.750	20.00	0	108	70	130				
Vinyl chloride	19.1	0.200	20.00	0	95.4	70	130				
Bromomethane	22.5	1.20	20.00	0	113	70	130				
Trichlorofluoromethane (CFC-11)	20.5	0.500	20.00	0	102	70	130				

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **ICV VOC 25964** SampType: **ICV** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70097**
Client ID: **ICV** Batch ID: **R70097** Analysis Date: **9/23/2021** SeqNo: **1421436**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	22.8	1.00	20.00	0	114	70	130				
1,1-Dichloroethene	22.0	0.500	20.00	0	110	70	130				
Methylene chloride	21.7	0.750	20.00	0	109	70	130				
trans-1,2-Dichloroethene	20.6	0.500	20.00	0	103	70	130				
1,1-Dichloroethane	22.0	0.500	20.00	0	110	70	130				
cis-1,2-Dichloroethene	22.2	0.500	20.00	0	111	70	130				
Chloroform	21.8	0.500	20.00	0	109	70	130				
1,1,1-Trichloroethane (TCA)	20.3	0.400	20.00	0	101	70	130				
1,1-Dichloropropene	20.4	0.500	20.00	0	102	70	130				
Carbon tetrachloride	19.9	0.750	20.00	0	99.7	70	130				
1,2-Dichloroethane (EDC)	19.6	0.400	20.00	0	98.1	70	130				
Benzene	20.2	0.440	20.00	0	101	70	130				
Trichloroethene (TCE)	20.0	0.500	20.00	0	100	70	130				
1,2-Dichloropropane	20.3	0.500	20.00	0	101	70	130				
Bromodichloromethane	20.0	0.500	20.00	0	100	70	130				
Dibromomethane	19.6	0.500	20.00	0	97.8	70	130				
cis-1,3-Dichloropropene	19.9	0.500	20.00	0	99.3	70	130				
Toluene	20.6	0.750	20.00	0	103	70	130				
trans-1,3-Dichloropropylene	19.7	0.500	20.00	0	98.3	70	130				
1,1,2-Trichloroethane	20.0	0.350	20.00	0	100	70	130				
1,3-Dichloropropane	20.8	0.500	20.00	0	104	70	130				
Tetrachloroethene (PCE)	20.9	0.400	20.00	0	104	70	130				
Dibromochloromethane	20.8	1.00	20.00	0	104	70	130				
1,2-Dibromoethane (EDB)	21.0	0.300	20.00	0	105	70	130				
Chlorobenzene	20.3	0.500	20.00	0	102	70	130				
1,1,1,2-Tetrachloroethane	20.9	0.300	20.00	0	105	70	130				
Ethylbenzene	20.6	0.400	20.00	0	103	70	130				
m,p-Xylene	41.2	1.00	40.00	0	103	70	130				
o-Xylene	20.7	0.500	20.00	0	104	70	130				
Bromoform	20.5	0.500	20.00	0	103	70	130				

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **ICV VOC 25964** SampType: **ICV** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70097**
Client ID: **ICV** Batch ID: **R70097** Analysis Date: **9/23/2021** SeqNo: **1421436**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	20.1	0.400	20.00	0	101	70	130				
Bromobenzene	21.4	0.500	20.00	0	107	70	130				
2-Chlorotoluene	21.6	0.500	20.00	0	108	70	130				
4-Chlorotoluene	21.3	0.500	20.00	0	106	70	130				
1,2,3-Trichloropropane	19.3	0.400	20.00	0	96.6	70	130				
1,2,4-Trichlorobenzene	20.2	0.750	20.00	0	101	70	130				
1,3-Dichlorobenzene	20.7	0.500	20.00	0	104	70	130				
1,4-Dichlorobenzene	20.6	0.500	20.00	0	103	70	130				
1,2-Dichlorobenzene	20.7	0.500	20.00	0	104	70	130				
1,2-Dibromo-3-chloropropane	19.0	1.00	20.00	0	95.1	70	130				
Hexachloro-1,3-butadiene	20.6	0.500	20.00	0	103	70	130				
1,2,3-Trichlorobenzene	20.0	0.700	20.00	0	100	70	130				
Surr: Dibromofluoromethane	25.3		25.00		101	70	130				
Surr: Toluene-d8	24.9		25.00		99.7	70	130				
Surr: 1-Bromo-4-fluorobenzene	27.0		25.00		108	70	130				

Sample ID: **CCV-33808A** SampType: **CCV** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70099**
Client ID: **CCV** Batch ID: **33808** Analysis Date: **9/23/2021** SeqNo: **1421467**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	17.0	1.25	20.00	0	85.1	80	120				
Chloromethane	18.8	0.750	20.00	0	93.8	80	120				
Vinyl chloride	19.6	0.200	20.00	0	98.0	80	120				
Bromomethane	19.0	1.20	20.00	0	95.0	80	120				
Trichlorofluoromethane (CFC-11)	18.9	0.500	20.00	0	94.6	80	120				
Chloroethane	19.6	1.00	20.00	0	97.9	80	120				
1,1-Dichloroethene	19.8	0.500	20.00	0	99.0	80	120				
Methylene chloride	19.4	0.750	20.00	0	96.8	80	120				
trans-1,2-Dichloroethene	19.7	0.500	20.00	0	98.4	80	120				
1,1-Dichloroethane	20.1	0.500	20.00	0	101	80	120				

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Volatile Organic Compounds by EPA Method 8260D

Sample ID: **CCV-33808A** SampType: **CCV** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70099**
Client ID: **CCV** Batch ID: **33808** Analysis Date: **9/23/2021** SeqNo: **1421467**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,2-Dichloroethene	19.6	0.500	20.00	0	98.2	80	120				
Chloroform	19.6	0.500	20.00	0	97.8	80	120				
1,1,1-Trichloroethane (TCA)	19.6	0.400	20.00	0	98.2	80	120				
1,1-Dichloropropene	19.7	0.500	20.00	0	98.5	80	120				
Carbon tetrachloride	19.4	0.750	20.00	0	96.9	80	120				
1,2-Dichloroethane (EDC)	19.1	0.400	20.00	0	95.6	80	120				
Benzene	20.7	0.440	20.00	0	103	80	120				
Trichloroethene (TCE)	19.8	0.500	20.00	0	98.8	80	120				
1,2-Dichloropropane	19.6	0.500	20.00	0	97.9	80	120				
Bromodichloromethane	19.0	0.500	20.00	0	94.8	80	120				
Dibromomethane	19.3	0.500	20.00	0	96.3	80	120				
cis-1,3-Dichloropropene	19.2	0.500	20.00	0	95.8	80	120				
Toluene	21.2	0.750	20.00	0	106	80	120				
trans-1,3-Dichloropropylene	19.1	0.500	20.00	0	95.6	80	120				
1,1,2-Trichloroethane	19.4	0.350	20.00	0	97.0	80	120				
1,3-Dichloropropane	20.0	0.500	20.00	0	100	80	120				
Tetrachloroethene (PCE)	20.0	0.400	20.00	0	99.8	80	120				
Dibromochloromethane	19.6	1.00	20.00	0	98.2	80	120				
1,2-Dibromoethane (EDB)	20.2	0.300	20.00	0	101	80	120				
Chlorobenzene	19.7	0.500	20.00	0	98.4	80	120				
1,1,1,2-Tetrachloroethane	19.4	0.300	20.00	0	97.2	80	120				
Ethylbenzene	21.8	0.400	20.00	0	109	80	120				
m,p-Xylene	43.2	1.00	40.00	0	108	80	120				
o-Xylene	21.6	0.500	20.00	0	108	80	120				
Bromoform	19.8	0.500	20.00	0	99.2	80	120				
1,1,2,2-Tetrachloroethane	19.1	0.400	20.00	0	95.4	80	120				
Bromobenzene	19.3	0.500	20.00	0	96.6	80	120				
2-Chlorotoluene	19.5	0.500	20.00	0	97.5	80	120				
4-Chlorotoluene	19.3	0.500	20.00	0	96.3	80	120				
1,2,3-Trichloropropane	19.0	0.400	20.00	0	94.8	80	120				

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CLIENT: Shannon & Wilson
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Volatile Organic Compounds by EPA Method 8260D

Sample ID: **CCV-33808A** SampType: **CCV** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70099**
Client ID: **CCV** Batch ID: **33808** Analysis Date: **9/23/2021** SeqNo: **1421467**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	19.7	0.750	20.00	0	98.5	80	120				
1,3-Dichlorobenzene	20.1	0.500	20.00	0	101	80	120				
1,4-Dichlorobenzene	19.8	0.500	20.00	0	99.2	80	120				
1,2-Dichlorobenzene	20.1	0.500	20.00	0	101	80	120				
1,2-Dibromo-3-chloropropane	19.3	1.00	20.00	0	96.3	80	120				
Hexachloro-1,3-butadiene	19.9	0.500	20.00	0	99.7	80	120				
1,2,3-Trichlorobenzene	19.5	0.700	20.00	0	97.3	80	120				
Surr: Dibromofluoromethane	24.7		25.00		98.8	80	120				
Surr: Toluene-d8	24.6		25.00		98.3	80	120				
Surr: 1-Bromo-4-fluorobenzene	25.9		25.00		104	80	120				

Sample ID: **LCS-33808** SampType: **LCS** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70099**
Client ID: **LCSW** Batch ID: **33808** Analysis Date: **9/23/2021** SeqNo: **1421469**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	17.0	1.25	20.00	0	85.1	80	120				
Chloromethane	18.8	0.750	20.00	0	93.8	80	120				
Vinyl chloride	19.6	0.200	20.00	0	98.0	80	120				
Bromomethane	19.0	1.20	20.00	0	95.0	80	120				
Trichlorofluoromethane (CFC-11)	18.9	0.500	20.00	0	94.6	80	120				
Chloroethane	19.6	1.00	20.00	0	97.9	80	120				
1,1-Dichloroethene	19.8	0.500	20.00	0	99.0	80	120				
Methylene chloride	19.4	0.750	20.00	0	96.8	80	120				
trans-1,2-Dichloroethene	19.7	0.500	20.00	0	98.4	80	120				
1,1-Dichloroethane	20.1	0.500	20.00	0	101	80	120				
cis-1,2-Dichloroethene	19.6	0.500	20.00	0	98.2	80	120				
Chloroform	19.6	0.500	20.00	0	97.8	80	120				
1,1,1-Trichloroethane (TCA)	19.6	0.400	20.00	0	98.2	80	120				
1,1-Dichloropropene	19.7	0.500	20.00	0	98.5	80	120				
Carbon tetrachloride	19.4	0.750	20.00	0	96.9	80	120				

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CLIENT: Shannon & Wilson
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Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-33808** SampType: **LCS** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70099**
Client ID: **LCSW** Batch ID: **33808** Analysis Date: **9/23/2021** SeqNo: **1421469**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane (EDC)	19.1	0.400	20.00	0	95.6	80	120				
Benzene	20.7	0.440	20.00	0	103	80	120				
Trichloroethene (TCE)	19.8	0.500	20.00	0	98.8	80	120				
1,2-Dichloropropane	19.6	0.500	20.00	0	97.9	80	120				
Bromodichloromethane	19.0	0.500	20.00	0	94.8	80	120				
Dibromomethane	19.3	0.500	20.00	0	96.3	80	120				
cis-1,3-Dichloropropene	19.2	0.500	20.00	0	95.8	80	120				
Toluene	21.2	0.750	20.00	0	106	80	120				
trans-1,3-Dichloropropylene	19.1	0.500	20.00	0	95.6	80	120				
1,1,2-Trichloroethane	19.4	0.350	20.00	0	97.0	80	120				
1,3-Dichloropropane	20.0	0.500	20.00	0	100	80	120				
Tetrachloroethene (PCE)	20.0	0.400	20.00	0	99.8	80	120				
Dibromochloromethane	19.6	1.00	20.00	0	98.2	80	120				
1,2-Dibromoethane (EDB)	20.2	0.300	20.00	0	101	80	120				
Chlorobenzene	19.7	0.500	20.00	0	98.4	80	120				
1,1,1,2-Tetrachloroethane	19.4	0.300	20.00	0	97.2	80	120				
Ethylbenzene	21.8	0.400	20.00	0	109	80	120				
m,p-Xylene	43.2	1.00	40.00	0	108	80	120				
o-Xylene	21.6	0.500	20.00	0	108	80	120				
Bromoform	19.8	0.500	20.00	0	99.2	80	120				
1,1,2,2-Tetrachloroethane	19.1	0.400	20.00	0	95.4	80	120				
Bromobenzene	19.3	0.500	20.00	0	96.6	80	120				
2-Chlorotoluene	19.5	0.500	20.00	0	97.5	80	120				
4-Chlorotoluene	19.3	0.500	20.00	0	96.3	80	120				
1,2,3-Trichloropropane	19.0	0.400	20.00	0	94.8	80	120				
1,2,4-Trichlorobenzene	19.7	0.750	20.00	0	98.5	80	120				
1,3-Dichlorobenzene	20.1	0.500	20.00	0	101	80	120				
1,4-Dichlorobenzene	19.8	0.500	20.00	0	99.2	80	120				
1,2-Dichlorobenzene	20.1	0.500	20.00	0	101	80	120				
1,2-Dibromo-3-chloropropane	19.3	1.00	20.00	0	96.3	80	120				

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CLIENT: Shannon & Wilson
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Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-33808** SampType: **LCS** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70099**
Client ID: **LCSW** Batch ID: **33808** Analysis Date: **9/23/2021** SeqNo: **1421469**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloro-1,3-butadiene	19.9	0.500	20.00	0	99.7	80	120				
1,2,3-Trichlorobenzene	19.5	0.700	20.00	0	97.3	80	120				
Surr: Dibromofluoromethane	24.7		25.00		98.8	80	120				
Surr: Toluene-d8	24.6		25.00		98.3	80	120				
Surr: 1-Bromo-4-fluorobenzene	25.9		25.00		104	80	120				

Sample ID: **MB-33808** SampType: **MBLK** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70099**
Client ID: **MBLKW** Batch ID: **33808** Analysis Date: **9/24/2021** SeqNo: **1421468**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.25									
Chloromethane	ND	0.750									
Vinyl chloride	ND	0.200									
Bromomethane	ND	1.20									
Trichlorofluoromethane (CFC-11)	ND	0.500									
Chloroethane	ND	1.00									
1,1-Dichloroethene	ND	0.500									
Methylene chloride	ND	0.750									
trans-1,2-Dichloroethene	ND	0.500									
1,1-Dichloroethane	ND	0.500									
cis-1,2-Dichloroethene	ND	0.500									
Chloroform	ND	0.500									
1,1,1-Trichloroethane (TCA)	ND	0.400									
1,1-Dichloropropene	ND	0.500									
Carbon tetrachloride	ND	0.750									
1,2-Dichloroethane (EDC)	ND	0.400									
Benzene	ND	0.440									
Trichloroethene (TCE)	ND	0.500									
1,2-Dichloropropane	ND	0.500									
Bromodichloromethane	ND	0.500									

Work Order: 2109371
CLIENT: Shannon & Wilson
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Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-33808** SampType: **MBLK** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70099**
Client ID: **MBLKW** Batch ID: **33808** Analysis Date: **9/24/2021** SeqNo: **1421468**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromomethane	ND	0.500									
cis-1,3-Dichloropropene	ND	0.500									
Toluene	ND	0.750									
trans-1,3-Dichloropropylene	ND	0.500									
1,1,2-Trichloroethane	ND	0.350									
1,3-Dichloropropane	ND	0.500									
Tetrachloroethene (PCE)	ND	0.400									
Dibromochloromethane	ND	1.00									
1,2-Dibromoethane (EDB)	ND	0.300									
2-Hexanone	ND	1.00									
Chlorobenzene	ND	0.500									
1,1,1,2-Tetrachloroethane	ND	0.300									
Ethylbenzene	ND	0.400									
m,p-Xylene	ND	1.00									
o-Xylene	ND	0.500									
Bromoform	ND	0.500									
1,1,2,2-Tetrachloroethane	ND	0.400									
Bromobenzene	ND	0.500									
2-Chlorotoluene	ND	0.500									
4-Chlorotoluene	ND	0.500									
1,2,3-Trichloropropane	ND	0.400									
1,2,4-Trichlorobenzene	ND	0.750									
1,3-Dichlorobenzene	ND	0.500									
1,4-Dichlorobenzene	ND	0.500									
1,2-Dichlorobenzene	ND	0.500									
1,2-Dibromo-3-chloropropane	ND	1.00									
Hexachloro-1,3-butadiene	ND	0.500									
1,2,3-Trichlorobenzene	ND	0.700									
Surr: Dibromofluoromethane	24.6		25.00		98.4	80	120				
Surr: Toluene-d8	24.1		25.00		96.2	80	120				

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QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-33808** SampType: **MBLK** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70099**
Client ID: **MBLKW** Batch ID: **33808** Analysis Date: **9/24/2021** SeqNo: **1421468**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	24.9		25.00		99.6	80	120				

Sample ID: **2109351-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70099**
Client ID: **BATCH** Batch ID: **33808** Analysis Date: **9/24/2021** SeqNo: **1421460**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.25						0	0	30	
Chloromethane	ND	0.750						0	0	30	
Vinyl chloride	ND	0.200						0	0	30	
Bromomethane	ND	1.20						0	0	30	
Trichlorofluoromethane (CFC-11)	ND	0.500						0	0	30	
Chloroethane	ND	1.00						0	0	30	
1,1-Dichloroethene	ND	0.500						0	0	30	
Acetone	13.1	6.00						7.206	57.9	30	
Methylene chloride	ND	0.750						0	0	30	
trans-1,2-Dichloroethene	ND	0.500						0	0	30	
1,1-Dichloroethane	ND	0.500						0	0	30	
cis-1,2-Dichloroethene	ND	0.500						0	0	30	
Chloroform	ND	0.500						0	0	30	
1,1,1-Trichloroethane (TCA)	ND	0.400						0	0	30	
1,1-Dichloropropene	ND	0.500						0	0	30	
Carbon tetrachloride	ND	0.750						0	0	30	
1,2-Dichloroethane (EDC)	ND	0.400						0	0	30	
Benzene	ND	0.440						0	0	30	
Trichloroethene (TCE)	ND	0.500						0	0	30	
1,2-Dichloropropane	ND	0.500						0	0	30	
Bromodichloromethane	ND	0.500						0	0	30	
Dibromomethane	ND	0.500						0	0	30	
cis-1,3-Dichloropropene	ND	0.500						0	0	30	
Toluene	ND	0.750						0	0	30	

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

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Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2109351-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70099**
Client ID: **BATCH** Batch ID: **33808** Analysis Date: **9/24/2021** SeqNo: **1421460**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropylene	ND	0.500						0	0	30	
1,1,2-Trichloroethane	ND	0.350						0	0	30	
1,3-Dichloropropane	ND	0.500						0	0	30	
Tetrachloroethene (PCE)	ND	0.400						0	0	30	
Dibromochloromethane	ND	1.00						0	0	30	
1,2-Dibromoethane (EDB)	ND	0.300						0	0	30	
Chlorobenzene	ND	0.500						0	0	30	
1,1,1,2-Tetrachloroethane	ND	0.300						0	0	30	
Ethylbenzene	ND	0.400						0	0	30	
m,p-Xylene	ND	1.00						0	0	30	
o-Xylene	ND	0.500						0	0	30	
Bromoform	ND	0.500						0	0	30	
1,1,2,2-Tetrachloroethane	ND	0.400						0	0	30	
Bromobenzene	ND	0.500						0	0	30	
2-Chlorotoluene	ND	0.500						0	0	30	
4-Chlorotoluene	ND	0.500						0	0	30	
1,2,3-Trichloropropane	ND	0.400						0	0	30	
1,2,4-Trichlorobenzene	ND	0.750						0	0	30	
1,3-Dichlorobenzene	ND	0.500						0	0	30	
1,4-Dichlorobenzene	ND	0.500						0	0	30	
1,2-Dichlorobenzene	ND	0.500						0	0	30	
1,2-Dibromo-3-chloropropane	ND	1.00						0	0	30	
Hexachloro-1,3-butadiene	ND	0.500						0	0	30	
1,2,3-Trichlorobenzene	ND	0.700						0	0	30	
Surr: Dibromofluoromethane	24.7		25.00		98.7	80	120		0		
Surr: Toluene-d8	24.3		25.00		97.3	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	24.6		25.00		98.4	80	120		0		

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2109348-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70099**
Client ID: **BATCH** Batch ID: **33808** Analysis Date: **9/24/2021** SeqNo: **1421456**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	7.75	1.25	20.00	0	38.7	5	146				
Chloromethane	16.8	0.750	20.00	0	84.1	24	156				
Vinyl chloride	17.2	0.200	20.00	0	85.8	44.9	151				
Bromomethane	18.6	1.20	20.00	0	93.0	30.7	196				
Trichlorofluoromethane (CFC-11)	16.1	0.500	20.00	0	80.7	70.5	134				
Chloroethane	20.7	1.00	20.00	0	104	63.2	134				
1,1-Dichloroethene	20.4	0.500	20.00	0	102	73.3	134				
Methylene chloride	21.4	0.750	20.00	0	107	76	130				
trans-1,2-Dichloroethene	21.4	0.500	20.00	0	107	77.2	131				
1,1-Dichloroethane	22.3	0.500	20.00	0	112	75	138				
cis-1,2-Dichloroethene	21.9	0.500	20.00	0	110	77.6	130				
Chloroform	22.5	0.500	20.00	0.4503	110	77.5	133				
1,1,1-Trichloroethane (TCA)	21.4	0.400	20.00	0	107	83.5	128				
1,1-Dichloropropene	21.1	0.500	20.00	0	106	80.2	133				
Carbon tetrachloride	20.7	0.750	20.00	0	103	80.8	131				
1,2-Dichloroethane (EDC)	21.2	0.400	20.00	0	106	74.5	129				
Benzene	21.7	0.440	20.00	0	108	76.9	135				
Trichloroethene (TCE)	21.3	0.500	20.00	0	107	72.5	130				
1,2-Dichloropropane	22.1	0.500	20.00	0	110	74	135				
Bromodichloromethane	22.0	0.500	20.00	0.2927	109	75.6	132				
Dibromomethane	21.4	0.500	20.00	0	107	79.2	125				
cis-1,3-Dichloropropene	21.0	0.500	20.00	0	105	56.6	136				
Toluene	22.2	0.750	20.00	0	111	76.2	131				
trans-1,3-Dichloropropylene	20.8	0.500	20.00	0	104	55.6	135				
1,1,2-Trichloroethane	21.9	0.350	20.00	0	109	76.4	125				
1,3-Dichloropropane	22.5	0.500	20.00	0	112	75.2	126				
Tetrachloroethene (PCE)	21.8	0.400	20.00	0	109	77.7	126				
Dibromochloromethane	22.9	1.00	20.00	0	114	71.1	128				
1,2-Dibromoethane (EDB)	22.6	0.300	20.00	0	113	72.9	126				
Chlorobenzene	22.1	0.500	20.00	0	111	87.6	118				

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2109348-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70099**
Client ID: **BATCH** Batch ID: **33808** Analysis Date: **9/24/2021** SeqNo: **1421456**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	22.1	0.300	20.00	0	110	83.5	119				
Ethylbenzene	21.6	0.400	20.00	0	108	82.1	129				
m,p-Xylene	43.2	1.00	40.00	0	108	84.3	123				
o-Xylene	22.1	0.500	20.00	0	110	83.5	122				
Bromoform	22.3	0.500	20.00	0	112	74.9	129				
1,1,2,2-Tetrachloroethane	21.8	0.400	20.00	0	109	79.9	142				
Bromobenzene	22.2	0.500	20.00	0	111	84.4	116				
2-Chlorotoluene	22.0	0.500	20.00	0	110	82.2	126				
4-Chlorotoluene	21.8	0.500	20.00	0	109	81.5	125				
1,2,3-Trichloropropane	20.9	0.400	20.00	0	104	71.1	127				
1,2,4-Trichlorobenzene	20.1	0.750	20.00	0	101	71.4	125				
1,3-Dichlorobenzene	21.9	0.500	20.00	0	109	85.9	121				
1,4-Dichlorobenzene	21.7	0.500	20.00	0	108	86.6	119				
1,2-Dichlorobenzene	21.9	0.500	20.00	0	110	87.2	119				
1,2-Dibromo-3-chloropropane	20.1	1.00	20.00	0	101	66.1	146				
Hexachloro-1,3-butadiene	20.6	0.500	20.00	0	103	73.8	130				
1,2,3-Trichlorobenzene	19.8	0.700	20.00	0	99.0	73.5	124				
Surr: Dibromofluoromethane	24.8		25.00		99.3	80	120				
Surr: Toluene-d8	24.9		25.00		99.5	80	120				
Surr: 1-Bromo-4-fluorobenzene	26.2		25.00		105	80	120				

Sample ID: **CCV-33808B** SampType: **CCV** Units: **µg/L** Prep Date: **9/24/2021** RunNo: **70099**
Client ID: **CCV** Batch ID: **33808** Analysis Date: **9/24/2021** SeqNo: **1421684**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	17.9	1.25	20.00	0	89.6	80	120				
Chloromethane	20.3	0.750	20.00	0	102	80	120				
Vinyl chloride	20.5	0.200	20.00	0	102	80	120				
Bromomethane	21.5	1.20	20.00	0	107	80	120				
Trichlorofluoromethane (CFC-11)	19.9	0.500	20.00	0	99.3	80	120				

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **CCV-33808B** SampType: **CCV** Units: **µg/L** Prep Date: **9/24/2021** RunNo: **70099**
Client ID: **CCV** Batch ID: **33808** Analysis Date: **9/24/2021** SeqNo: **1421684**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	21.9	1.00	20.00	0	110	80	120				
1,1-Dichloroethene	21.6	0.500	20.00	0	108	80	120				
Methylene chloride	20.8	0.750	20.00	0	104	80	120				
trans-1,2-Dichloroethene	21.4	0.500	20.00	0	107	80	120				
1,1-Dichloroethane	21.9	0.500	20.00	0	109	80	120				
cis-1,2-Dichloroethene	21.6	0.500	20.00	0	108	80	120				
Chloroform	21.5	0.500	20.00	0	108	80	120				
1,1,1-Trichloroethane (TCA)	21.3	0.400	20.00	0	107	80	120				
1,1-Dichloropropene	21.1	0.500	20.00	0	106	80	120				
Carbon tetrachloride	21.3	0.750	20.00	0	106	80	120				
1,2-Dichloroethane (EDC)	21.0	0.400	20.00	0	105	80	120				
Benzene	22.7	0.440	20.00	0	114	80	120				
Trichloroethene (TCE)	22.5	0.500	20.00	0	113	80	120				
1,2-Dichloropropane	21.7	0.500	20.00	0	109	80	120				
Bromodichloromethane	21.3	0.500	20.00	0	106	80	120				
Dibromomethane	21.4	0.500	20.00	0	107	80	120				
cis-1,3-Dichloropropene	20.5	0.500	20.00	0	102	80	120				
Toluene	23.2	0.750	20.00	0	116	80	120				
trans-1,3-Dichloropropylene	20.6	0.500	20.00	0	103	80	120				
Methyl Isobutyl Ketone (MIBK)	53.5	1.25	50.00	0	107	80	120				
1,1,2-Trichloroethane	21.8	0.350	20.00	0	109	80	120				
1,3-Dichloropropane	22.2	0.500	20.00	0	111	80	120				
Tetrachloroethene (PCE)	21.9	0.400	20.00	0	110	80	120				
Dibromochloromethane	22.3	1.00	20.00	0	112	80	120				
1,2-Dibromoethane (EDB)	22.6	0.300	20.00	0	113	80	120				
Chlorobenzene	19.3	0.500	20.00	0	96.5	80	120				
1,1,1,2-Tetrachloroethane	19.5	0.300	20.00	0	97.4	80	120				
Ethylbenzene	21.0	0.400	20.00	0	105	80	120				
m,p-Xylene	41.8	1.00	40.00	0	104	80	120				
o-Xylene	20.9	0.500	20.00	0	105	80	120				

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **CCV-33808B** SampType: **CCV** Units: **µg/L** Prep Date: **9/24/2021** RunNo: **70099**
Client ID: **CCV** Batch ID: **33808** Analysis Date: **9/24/2021** SeqNo: **1421684**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	20.0	0.500	20.00	0	100	80	120				
1,1,2,2-Tetrachloroethane	18.0	0.400	20.00	0	89.8	80	120				
Bromobenzene	19.2	0.500	20.00	0	96.2	80	120				
2-Chlorotoluene	18.8	0.500	20.00	0	94.0	80	120				
4-Chlorotoluene	18.8	0.500	20.00	0	94.1	80	120				
1,2,3-Trichloropropane	18.5	0.400	20.00	0	92.5	80	120				
1,2,4-Trichlorobenzene	18.7	0.750	20.00	0	93.5	80	120				
1,3-Dichlorobenzene	19.7	0.500	20.00	0	98.6	80	120				
1,4-Dichlorobenzene	19.5	0.500	20.00	0	97.4	80	120				
1,2-Dichlorobenzene	19.6	0.500	20.00	0	98.2	80	120				
1,2-Dibromo-3-chloropropane	18.6	1.00	20.00	0	92.8	80	120				
Hexachloro-1,3-butadiene	18.6	0.500	20.00	0	92.8	80	120				
1,2,3-Trichlorobenzene	18.4	0.700	20.00	0	92.1	80	120				
Surr: Dibromofluoromethane	27.8		25.00		111	80	120				
Surr: Toluene-d8	27.6		25.00		110	80	120				
Surr: 1-Bromo-4-fluorobenzene	25.8		25.00		103	80	120				

Sample ID: **2109371-030ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70099**
Client ID: **8801- Batch 3** Batch ID: **33808** Analysis Date: **9/24/2021** SeqNo: **1422347**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.25						0	0	30	
Chloromethane	ND	0.750						0	0	30	
Vinyl chloride	ND	0.200						0	0	30	
Bromomethane	ND	1.20						0	0	30	
Trichlorofluoromethane (CFC-11)	ND	0.500						0	0	30	
Chloroethane	ND	1.00						0	0	30	
1,1-Dichloroethene	ND	0.500						0	0	30	
Acetone	ND	6.00						0	0	30	
Methylene chloride	ND	0.750						0	0	30	

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2109371-030ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70099**
Client ID: **8801- Batch 3** Batch ID: **33808** Analysis Date: **9/24/2021** SeqNo: **1422347**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	0.500						0	0	30	
1,1-Dichloroethane	ND	0.500						0	0	30	
cis-1,2-Dichloroethene	ND	0.500						0	0	30	
(MEK) 2-Butanone	ND	1.50						0	0	30	
Chloroform	ND	0.500						0	0	30	
1,1,1-Trichloroethane (TCA)	ND	0.400						0	0	30	
1,1-Dichloropropene	ND	0.500						0	0	30	
Carbon tetrachloride	ND	0.750						0	0	30	
1,2-Dichloroethane (EDC)	ND	0.400						0	0	30	
Benzene	ND	0.440						0	0	30	
Trichloroethene (TCE)	ND	0.500						0	0	30	
1,2-Dichloropropane	ND	0.500						0	0	30	
Bromodichloromethane	ND	0.500						0	0	30	
Dibromomethane	ND	0.500						0	0	30	
cis-1,3-Dichloropropene	ND	0.500						0	0	30	
Toluene	ND	0.750						0	0	30	
trans-1,3-Dichloropropylene	ND	0.500						0	0	30	
Methyl Isobutyl Ketone (MIBK)	ND	1.25						0	0	30	
1,1,2-Trichloroethane	ND	0.350						0	0	30	
1,3-Dichloropropane	ND	0.500						0	0	30	
Tetrachloroethene (PCE)	ND	0.400						0	0	30	
Dibromochloromethane	ND	1.00						0	0	30	
1,2-Dibromoethane (EDB)	ND	0.300						0	0	30	
2-Hexanone	ND	1.00						0	0	30	
Chlorobenzene	ND	0.500						0	0	30	
1,1,1,2-Tetrachloroethane	ND	0.300						0	0	30	
Ethylbenzene	ND	0.400						0	0	30	
m,p-Xylene	ND	1.00						0	0	30	
o-Xylene	ND	0.500						0	0	30	
Bromoform	ND	0.500						0	0	30	

Work Order: 2109371
CLIENT: Shannon & Wilson
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QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2109371-030ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **9/23/2021** RunNo: **70099**
Client ID: **8801- Batch 3** Batch ID: **33808** Analysis Date: **9/24/2021** SeqNo: **1422347**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	ND	0.400						0	0	30	
Bromobenzene	ND	0.500						0	0	30	
2-Chlorotoluene	ND	0.500						0	0	30	
4-Chlorotoluene	ND	0.500						0	0	30	
1,2,3-Trichloropropane	ND	0.400						0	0	30	
1,2,4-Trichlorobenzene	ND	0.750						0	0	30	
1,3-Dichlorobenzene	ND	0.500						0	0	30	
1,4-Dichlorobenzene	ND	0.500						0	0	30	
1,2-Dichlorobenzene	ND	0.500						0	0	30	
1,2-Dibromo-3-chloropropane	ND	1.00						0	0	30	
Hexachloro-1,3-butadiene	ND	0.500						0	0	30	
1,2,3-Trichlorobenzene	ND	0.700						0	0	30	
Surr: Dibromofluoromethane	24.6		25.00		98.2	80	120		0		
Surr: Toluene-d8	24.0		25.00		96.2	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	24.7		25.00		98.9	80	120		0		

Sample ID: **CCV-33808C** SampType: **QCS** Units: **µg/L** Prep Date: **9/24/2021** RunNo: **70099**
Client ID: **BATCH** Batch ID: **33808** Analysis Date: **9/24/2021** SeqNo: **1422354**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	16.1	1.25	20.00	0	80.6	50	150				
Chloromethane	18.6	0.750	20.00	0	93.0	50	150				
Vinyl chloride	18.8	0.200	20.00	0	94.2	50	150				
Bromomethane	19.8	1.20	20.00	0	98.9	50	150				
Trichlorofluoromethane (CFC-11)	17.9	0.500	20.00	0	89.5	50	150				
Chloroethane	22.2	1.00	20.00	0	111	50	150				
1,1-Dichloroethene	19.2	0.500	20.00	0	96.0	50	150				
Methylene chloride	20.1	0.750	20.00	0	100	50	150				
trans-1,2-Dichloroethene	20.2	0.500	20.00	0	101	50	150				
1,1-Dichloroethane	20.9	0.500	20.00	0	104	50	150				

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **CCV-33808C** SampType: **QCS** Units: **µg/L** Prep Date: **9/24/2021** RunNo: **70099**
Client ID: **BATCH** Batch ID: **33808** Analysis Date: **9/24/2021** SeqNo: **1422354**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,2-Dichloroethene	20.7	0.500	20.00	0	103	50	150				
Chloroform	20.5	0.500	20.00	0	102	50	150				
1,1,1-Trichloroethane (TCA)	20.3	0.400	20.00	0	101	50	150				
1,1-Dichloropropene	20.1	0.500	20.00	0	101	50	150				
Carbon tetrachloride	20.1	0.750	20.00	0	101	50	150				
1,2-Dichloroethane (EDC)	20.4	0.400	20.00	0	102	50	150				
Benzene	20.2	0.440	20.00	0	101	50	150				
Trichloroethene (TCE)	20.2	0.500	20.00	0	101	50	150				
1,2-Dichloropropane	20.5	0.500	20.00	0	102	50	150				
Bromodichloromethane	20.2	0.500	20.00	0	101	50	150				
Dibromomethane	20.5	0.500	20.00	0	102	50	150				
cis-1,3-Dichloropropene	20.5	0.500	20.00	0	103	50	150				
Toluene	20.6	0.750	20.00	0	103	50	150				
trans-1,3-Dichloropropylene	20.5	0.500	20.00	0	103	50	150				
1,1,2-Trichloroethane	20.9	0.350	20.00	0	105	50	150				
1,3-Dichloropropane	21.4	0.500	20.00	0	107	50	150				
Tetrachloroethene (PCE)	21.3	0.400	20.00	0	106	50	150				
Dibromochloromethane	21.3	1.00	20.00	0	107	50	150				
1,2-Dibromoethane (EDB)	21.7	0.300	20.00	0	108	50	150				
Chlorobenzene	19.6	0.500	20.00	0	98.2	50	150				
1,1,1,2-Tetrachloroethane	19.8	0.300	20.00	0	99.1	50	150				
Ethylbenzene	19.4	0.400	20.00	0	97.1	50	150				
m,p-Xylene	38.9	1.00	40.00	0	97.2	50	150				
o-Xylene	19.4	0.500	20.00	0	96.9	50	150				
Bromoform	20.2	0.500	20.00	0	101	50	150				
1,1,2,2-Tetrachloroethane	20.1	0.400	20.00	0	101	50	150				
Bromobenzene	19.6	0.500	20.00	0	98.1	50	150				
2-Chlorotoluene	19.4	0.500	20.00	0	96.8	50	150				
4-Chlorotoluene	19.3	0.500	20.00	0	96.4	50	150				
1,2,3-Trichloropropane	19.3	0.400	20.00	0	96.4	50	150				

Work Order: 2109371
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **CCV-33808C** SampType: **QCS** Units: **µg/L** Prep Date: **9/24/2021** RunNo: **70099**
Client ID: **BATCH** Batch ID: **33808** Analysis Date: **9/24/2021** SeqNo: **1422354**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	19.5	0.750	20.00	0	97.5	50	150				
1,3-Dichlorobenzene	20.0	0.500	20.00	0	100	50	150				
1,4-Dichlorobenzene	19.7	0.500	20.00	0	98.7	50	150				
1,2-Dichlorobenzene	20.2	0.500	20.00	0	101	50	150				
1,2-Dibromo-3-chloropropane	19.4	1.00	20.00	0	97.2	50	150				
Hexachloro-1,3-butadiene	19.7	0.500	20.00	0	98.5	50	150				
1,2,3-Trichlorobenzene	19.8	0.700	20.00	0	99.1	50	150				
Surr: Dibromofluoromethane	26.3		25.00		105	50	150				
Surr: Toluene-d8	26.4		25.00		105	50	150				
Surr: 1-Bromo-4-fluorobenzene	25.8		25.00		103	50	150				

Sample Log-In Check List

Client Name:	**SW**	Work Order Number:	**2109371**
Logged by:	**Gabrielle Coeuille**	Date Received:	**9/23/2021 8:09:00 AM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☑	No ☐	Not Present ☐
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >2°C to 6°C *	Yes ☑	No ☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	4.2

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 9/22/21 | Page: 1 of: 3 | Laboratory Project No (internal): 2109371

Client: Shannon & Wilson
Address: 400 N. 34th St. Suite 100
City, State, Zip: Seattle, WA 98103
Telephone:
Fax:

Project Name: 8801 - Excavations
Project No: 103485-008
Collected by: Ryan Peterson
Location: Tukwila, WA
Report To (PM): Ryan Peterson
PM Email: RAP@shanwil.com

Special Remarks: Refer to project methods and analytes list.

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

2 day TAT

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Lead, arsenic, cadmium, chromium	Lead, arsenic			Comments
1	AS-SIDE1:7	9/22/21	1130	S	1							X					X				
2	AS-SIDE2:7		1135									X					X				
3	AS-SIDE3:6		1140									X					X				
4	AS-SIDE4:6		1145									X					X				
5	~~AS-SIDE10~~		-																		
6	AS-SIDE10:2		1617													X					
7	AS-SIDE10:8		1615									X					X				
8	AS-SIDE11:7		1610									X					X				
9	AS-SIDE11:2		1612													X					
10	AS-SIDE12:3		1600													X					

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Ryan Peterson	9/22/21 1830	x	Alex Trejo	9/23/21 8:09
x			x		

Page 73 of 325

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9/22/21 Page: 2 of: 3

Laboratory Project No (internal): 2109371

Project Name: 8801 - Excavations

Special Remarks:

Client: Shannon & Wilson

Project No: 103485-008

Address: 400 N. 34th St. Suite 100

Collected by: Ryan Peterson

City, State, Zip: Seattle, WA 98103

Location: Tukwila, WA

Telephone:

Report To (PM): Ryan Peterson

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email: ~~Ryan~~ RSP@shanwil.com

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Lead, arsenic, cadmium, chromium (T)	Lead, arsenic			Comments
1	AS-SIDE12:7	9/22	1603	S	1							X					X				2 Day TAT
2	AS-SIDE13:2		1542													X					
3	AS-SIDE13:7		1547									X					X				
4	AS-SIDE14:3		1540													X					
5	AS-SIDE14:7		1535									X					X				
6	AS-SIDE15:3		1208													X					
7	AS-SIDE15:6		1205									X					X				
8	AS-SIDE16:2		1158													X					
9	AS-SIDE16:6		1155									X					X				
10	AS-SIDE100:7	↓	1700	↓	↓							X					X				↓

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x	RYAN PETERSON	9/22/21 1830	x	Alex Trejo	9/23/21 8:09
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

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3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 9/22/21 Page: 3 of: 3

Laboratory Project No (internal): 2109371

Special Remarks:

Project Name: 8801 - RACLAR

Project No: 103485-008

Client: Shannon & Wilson

Address: 400 N 34TH ST Suite 100

City, State, Zip: Seattle WA 98103

Telephone:

Fax:

Collected by: Joe Sawbery

Location: Tukwila

Report To (PM): Ryan and Joe

PM Email: RBP@shannonwilson.com JXS@shannonwilson.com

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	FDG	PCBs	VOCs - HVOCs	Comments
1	8801 - Batch 1	9/22	1720	Water	7												X	X	X	Next Day TAT
2	8801 - Batch 2		1735																	
3	8801 - Batch 3		1750																	
4																				
5																				
6																				
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Client: Shannon & Wilson
Address: 400 N. 34th St. Suite 100
City, State, Zip: Seattle, WA 98103
Telephone:
Fax:

Project Name: 8801 - Excavations
Project No: 103485-008
Collected by: Ryan Peterson
Location: Tukwila, WA
Report To (PM): Ryan Peterson
PM Email: RLP@shanwil.com

Special Remarks: Refer to project methods and analytes list.

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3	AS-SIDE3:6		1140									X					X				
4	AS-SIDE4:6		1145									X					X				
5	~~AS-SIDE1:10~~		-																		
6	AS-SIDE10:2		1617													X					
7	AS-SIDE10:8		1615									X					X				
8	AS-SIDE11:7		1610									X					X				
9	AS-SIDE11:2		1612													X					
10	AS-SIDE12:3		1600													X					

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x			x		

Page 76 of 325

Chain of Custody Record & Laboratory Services Agreement

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Date: 9/22/21 Page: 2 of: 3

Laboratory Project No (internal): 2109371

Project Name: 8801 - Excavations

Special Remarks:

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Project No: 103485-008

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Collected by: Ryan Peterson

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Location: Tukwila, WA

Telephone:

Report To (PM): Ryan Peterson

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Chain of Custody Record & Laboratory Services Agreement

Date: 9/22/21 Page: 3 of: 3

Laboratory Project No (internal): 2109371

Special Remarks:
X = Add BTEX per JS, Rush TAT, 9/27/21 -CG

Project Name: 8801 - RACLAR

Project No: 103485-008

Client: Shannon & Wilson

Address: 400 N 34TH ST Suite 100

City, State, Zip: Seattle WA 98103

Telephone:

Fax:

Collected by: Joe Sawbey

Location: Tukwila

Report To (PM): Ryan and Joe

PM Email: RBP@shannonwilson.com JXS@shannonwilson.com

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

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1	8801 - Batch 1	9/22	1720	Water	7	X										X	X	X	Next Day TAT
2	8801 - Batch 2		1735			X													
3	8801 - Batch 3		1750			X													
4																			
5																			
6																			
7																			
8																			
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10																			

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Joe Sawbey	9/22 1830	x	Alex Trejo	9/23/21 8:09
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

DATA SET for Review -- Deliverable Requirements

Hexane Extractable Materials by EPA Method 1664A

Fremont Analytical Work Order No. 2109371

Shannon & Wilson

Project Name: 8801 - Excavations

This Data contains the following:

- Analytical Sequence Summary

Fremont Analytical — Oil and Grease Measurement-EPA 1664A

Prep Batch ID: 33815 Analyst: Kelsey Date: 9/24/21
Analytical Run ID: 70128 Page: 1 / 1

	Sample ID	Sample Type[a] T / NP[b]		Bottle Weight (g)	Sample Volume (mL)	Dish Final Weight (g)[c]	Dish Initial Wt. (g)[c]	Net Wt. (g)[c]
1	MB	T	Full		1000	T = 6.3674	6.3671	T = 0.0003 ✓
			Empty					
2	LCS	T	Full		1000	T = 6.4570	~~6.3533~~ 6.4222 mpc 9/24	T = 0.0348 ✓
			Empty	KS 9/24/21				
3	371 - 21	C: 22, 23, 24 T	Full	1551.52	1032.55	T = 6.4084	6.4075	T = 0.0009
			Empty	518.97				
4	371 - 26	C: 27, 28, 29 T	Full	1564.64	1049.67	T = 6.4024	6.4009	T = 0.0015
			Empty	514.97 KS 9/24/21				
5	371 - 31	C: 32, 33, 34 T	Full	~~1550.87~~ 1547.05	1031.19	T = 6.4529	6.4525	T = 0.0004
			Empty	515.86				
6	371 - 31 MS	C T	Full	1550.47	1033.89	T = 6.5041	6.4648	T = ~~0.00~~ KS 9/24/21 0.0389 ✓
			Empty	516.58				
7	313 - 1	T	Full	1571.13	1054.66	T = 6.4461	6.4447	T = 0.0014
			Empty	516.47				
8	371 - 1	T	Full	1451.45				
			Empty					
9			Full					
			Empty					
10			Full					
			Empty					
11			Full					
			Empty					
12			Full					
			Empty					

[a]Composite (C) or non-composite (NC) [b]T : Total, NP: Nonpolar [c]USE 4 decimal points when recording weight

LCS/MS Spike 25914 MeOH — Hexane 5899 SPE Cartridge lot# —
HCl(1:1) / H_2SO_4 (1:1) 4886 pH indicator strip 25533 Silica Gel — 2mg Weight ID
2mg Pre Weight Check 0.0019 2mg Post Weight Check 0.0021

Signature: EM

1664A Bench Sheet Version 1.6

CONFIDENTIAL

Official approved:1/30/2019

DATA SET for Review -- Deliverable Requirements

Total Metals by EPA Method 6020B

Fremont Analytical Work Order No. 2109371

Shannon & Wilson

Project Name: 8801 - Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September2021\092421eh\
Report Date/Time: Monday, September 27, 2021 08:24:03

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	WASH	09:43:07 Fri 24-Se	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CONE COND.	09:49:16 Fri 24-Se	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CONE COND.	09:54:50 Fri 24-Se	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	10:00:24 Fri 24-Se	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	10:05:59 Fri 24-Se	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	BLANK	10:11:33 Fri 24-Se	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	5% rinse	10:19:31 Fri 24-Se	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	5% rinse	10:25:05 Fri 24-Se	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	BLANK	10:30:39 Fri 24-Se	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	BLANK	10:37:25 Fri 24-Se	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CAL BLK IS 23514	10:43:33 Fri 24-Se	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 1	10:49:07 Fri 24-Se	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 2	10:54:41 Fri 24-Se	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CAL BLK IS 23514	11:01:14 Fri 24-Se	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 1	11:06:48 Fri 24-Se	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 2	11:12:22 Fri 24-Se	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 3	11:17:56 Fri 24-Se	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 4	11:23:30 Fri 24-Se	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 5	11:29:04 Fri 24-Se	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 6	11:34:38 Fri 24-Se	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 7	11:40:12 Fri 24-Se	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 8	11:45:46 Fri 24-Se	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	11:51:21 Fri 24-Se	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICB	11:56:56 Fri 24-Se	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICV	12:02:30 Fri 24-Se	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	12:08:04 Fri 24-Se	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICSA	12:21:25 Fri 24-Se	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	12:26:59 Fri 24-Se	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	12:34:43 Fri 24-Se	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	12:40:17 Fri 24-Se	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	LCS-33797	12:48:50 Fri 24-Se	Sample	C:\Users\Public\DocumLCS,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109260-001A	12:54:26 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109260-001ADUP	13:00:00 Fri 24-Se	Sample	C:\Users\Public\DocumDUP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109261-001A	13:05:35 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109261-002A	13:11:09 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109261-003A	13:16:44 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109261-004A	13:22:18 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109264-001C	13:27:53 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	CCV	13:33:28 Fri 24-Se	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	13:39:02 Fri 24-Se	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	MB-33798	14:18:38 Fri 24-Se	Sample	C:\Users\Public\DocumMBLK,M-6020-S	gistix\ICPMS\DataSet\September202
	LCS-33798	14:24:12 Fri 24-Se	Sample	C:\Users\Public\DocumLCS,M-6020-S	gistix\ICPMS\DataSet\September202
	2109333-001A	14:29:46 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109333-001ADIL	14:35:20 Fri 24-Se	Sample	C:\Users\Public\DocumSD,M-6020-S	gistix\ICPMS\DataSet\September202
	2109333-001AMS	14:40:54 Fri 24-Se	Sample	C:\Users\Public\DocumMS,M-6020-S	gistix\ICPMS\DataSet\September202
	2109333-001AMSD	14:46:28 Fri 24-Se	Sample	C:\Users\Public\DocumMSD,M-6020-S	gistix\ICPMS\DataSet\September202
	2109333-001APDS	14:52:02 Fri 24-Se	Sample	C:\Users\Public\DocumPDS,M-6020-S	gistix\ICPMS\DataSet\September202
	2109355-001A 10X	14:57:36 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	CCV	15:03:11 Fri 24-Se	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	15:08:46 Fri 24-Se	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	

MB-33816	15:16:30 Fri 24-Se	Sample	C:\Users\Public\DocumMBLK,M-200.8-T	gistix\ICPMS\DataSet\September202
LCS-33816	15:22:04 Fri 24-Se	Sample	C:\Users\Public\DocumLCS,M-200.8-T	gistix\ICPMS\DataSet\September202
2109341-005B	15:27:39 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109341-005BDUP	15:33:13 Fri 24-Se	Sample	C:\Users\Public\DocumDUP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109341-005BMS	15:38:47 Fri 24-Se	Sample	C:\Users\Public\DocumMS,M-200.8-T	gistix\ICPMS\DataSet\September202
2109341-005BMSD	15:44:21 Fri 24-Se	Sample	C:\Users\Public\DocumMSD,M-200.8-T	gistix\ICPMS\DataSet\September202
2109218-002A	15:49:55 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109218-002AMS	15:55:29 Fri 24-Se	Sample	C:\Users\Public\DocumMS,M-200.8-T	gistix\ICPMS\DataSet\September202
MB2-33816	16:01:03 Fri 24-Se	Sample	C:\Users\Public\DocumMBLK,M-200.8-T	gistix\ICPMS\DataSet\September202
CCV	16:06:38 Fri 24-Se	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
CCB	16:12:13 Fri 24-Se	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
NEW 2%	16:19:52 Fri 24-Se	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
CCV	16:25:27 Fri 24-Se	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
CCB	16:31:02 Fri 24-Se	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
CAL BLK IS 23514	16:54:58 Fri 24-Se	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
CAL BLK IS 23514	16:58:04 Fri 24-Se	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
Standard 1	17:03:39 Fri 24-Se	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
Standard 2	17:09:12 Fri 24-Se	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
Standard 3	17:14:46 Fri 24-Se	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
Standard 4	17:20:20 Fri 24-Se	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
Standard 5	17:25:54 Fri 24-Se	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
Standard 6	17:31:28 Fri 24-Se	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
Standard 7	17:37:02 Fri 24-Se	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
Standard 8	17:42:36 Fri 24-Se	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
WASH	17:48:11 Fri 24-Se	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
ICB	17:53:46 Fri 24-Se	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
ICV	17:59:20 Fri 24-Se	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
WASH	18:04:54 Fri 24-Se	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
ICSA	18:10:29 Fri 24-Se	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
WASH	18:16:03 Fri 24-Se	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
WASH	18:21:38 Fri 24-Se	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
MB-33817	18:27:13 Fri 24-Se	Sample	C:\Users\Public\DocumMBLK,M-6020-S	gistix\ICPMS\DataSet\September202
LCS-33817	18:32:46 Fri 24-Se	Sample	C:\Users\Public\DocumLCS,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-001A	18:38:20 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-001ADIL	18:43:54 Fri 24-Se	Sample	C:\Users\Public\DocumSD,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-001AMS	18:49:28 Fri 24-Se	Sample	C:\Users\Public\DocumMS,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-001AMSD	18:55:02 Fri 24-Se	Sample	C:\Users\Public\DocumMSD,M-6020-S	gistix\ICPMS\DataSet\September202
CCV	19:00:37 Fri 24-Se	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
CCB	19:06:12 Fri 24-Se	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
2109371-001APDS	19:11:47 Fri 24-Se	Sample	C:\Users\Public\DocumPDS,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-002A	19:17:21 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-003A	19:22:55 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-004A	19:28:30 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-005A	19:34:04 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-006A	19:39:37 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-007A	19:45:11 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-008A	19:50:45 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-009A	19:56:19 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-010A	20:01:53 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
CCV	20:07:28 Fri 24-Se	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
CCB	20:13:02 Fri 24-Se	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
2109371-011A	20:18:37 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-012A	20:24:11 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-013A	20:29:45 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-014A	20:35:19 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-015A	20:40:53 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-016A	20:46:27 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-017A	20:52:01 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-018A	20:57:34 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-019A	21:03:09 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202

2109390-007A	21:08:42 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
CCV	21:14:17 Fri 24-Se	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
CCB	21:19:52 Fri 24-Se	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
WASH	21:25:26 Fri 24-Se	Sample	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
MB-33749	21:31:01 Fri 24-Se	Sample	C:\Users\Public\DocumMBLK,M-6020-TW	gistix\ICPMS\DataSet\September202
LCS-33749	21:36:35 Fri 24-Se	Sample	C:\Users\Public\DocumLCS,M-6020-TW	gistix\ICPMS\DataSet\September202
2109217-005D	21:42:09 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\September202
2109217-005DDIL	21:47:43 Fri 24-Se	Sample	C:\Users\Public\DocumSD,M-6020-TW	gistix\ICPMS\DataSet\September202
2109217-005DMS	21:53:17 Fri 24-Se	Sample	C:\Users\Public\DocumMS,M-6020-TW	gistix\ICPMS\DataSet\September202
2109217-005DMSD	21:58:51 Fri 24-Se	Sample	C:\Users\Public\DocumMSD,M-6020-TW	gistix\ICPMS\DataSet\September202
2109217-005DPDS	22:04:26 Fri 24-Se	Sample	C:\Users\Public\DocumPDS,M-6020-TW	gistix\ICPMS\DataSet\September202
2109217-001D	22:09:59 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\September202
2109217-002D	22:15:34 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\September202
CCV	22:21:08 Fri 24-Se	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
CCB	22:26:43 Fri 24-Se	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
2109217-003D	22:32:17 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\September202
2107148-049A	22:37:51 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\September202
2107148-049A	22:43:25 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\September202
WASH	22:49:00 Fri 24-Se	Sample	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
MB-33825	22:54:35 Fri 24-Se	Sample	C:\Users\Public\DocumMBLK,M-6020-TW	gistix\ICPMS\DataSet\September202
LCS-33825	23:00:09 Fri 24-Se	Sample	C:\Users\Public\DocumLCS,M-6020-TW	gistix\ICPMS\DataSet\September202
2109217-006D	23:05:43 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\September202
2109217-006DDIL	23:11:17 Fri 24-Se	Sample	C:\Users\Public\DocumSD,M-6020-TW	gistix\ICPMS\DataSet\September202
2109217-006DMS	23:16:52 Fri 24-Se	Sample	C:\Users\Public\DocumMS,M-6020-TW	gistix\ICPMS\DataSet\September202
2109217-006DMSD	23:22:26 Fri 24-Se	Sample	C:\Users\Public\DocumMSD,M-6020-TW	gistix\ICPMS\DataSet\September202
CCV	23:28:00 Fri 24-Se	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
CCB	23:33:35 Fri 24-Se	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
2109217-006DPDS	23:39:09 Fri 24-Se	Sample	C:\Users\Public\DocumPDS,M-6020-TW	gistix\ICPMS\DataSet\September202
2109217-004D	23:44:43 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\September202
2109217-007D	23:50:17 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\September202
2107148-050A	23:55:52 Fri 24-Se	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\September202
2107148-050A	00:01:26 Sat 25-S	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\September202
2107153-022A	00:07:00 Sat 25-S	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\September202
2107153-022A	00:12:34 Sat 25-S	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\September202
2107153-022A	00:18:08 Sat 25-S	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\September202
WASH	00:23:43 Sat 25-S	Sample	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
MB-33747	00:29:18 Sat 25-S	Sample	C:\Users\Public\DocumMBLK,M-6020-D	gistix\ICPMS\DataSet\September202
CCV	00:34:53 Sat 25-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
CCB	00:40:27 Sat 25-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
LCS-33747	00:46:02 Sat 25-S	Sample	C:\Users\Public\DocumLCS,M-6020-D	gistix\ICPMS\DataSet\September202
2109217-003C	00:51:37 Sat 25-S	Sample	C:\Users\Public\DocumSAMP,M-6020-D	gistix\ICPMS\DataSet\September202
2109217-003CDUP	00:57:10 Sat 25-S	Sample	C:\Users\Public\DocumDUP,M-6020-D	gistix\ICPMS\DataSet\September202
2109217-003CMS	01:02:44 Sat 25-S	Sample	C:\Users\Public\DocumSD,M-6020-D	gistix\ICPMS\DataSet\September202
2109217-003CMSD	01:08:18 Sat 25-S	Sample	C:\Users\Public\DocumMS,M-6020-D	gistix\ICPMS\DataSet\September202
2109217-001C	01:13:52 Sat 25-S	Sample	C:\Users\Public\DocumMSD,M-6020-D	gistix\ICPMS\DataSet\September202
2109217-002C	01:19:26 Sat 25-S	Sample	C:\Users\Public\DocumSAMP,M-6020-D	gistix\ICPMS\DataSet\September202
2109217-004C	01:25:00 Sat 25-S	Sample	C:\Users\Public\DocumSAMP,M-6020-D	gistix\ICPMS\DataSet\September202
2109217-005C	01:30:34 Sat 25-S	Sample	C:\Users\Public\DocumSAMP,M-6020-D	gistix\ICPMS\DataSet\September202
2109217-006C	01:36:08 Sat 25-S	Sample	C:\Users\Public\DocumSAMP,M-6020-D	gistix\ICPMS\DataSet\September202
CCV	01:41:43 Sat 25-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
CCB	01:47:18 Sat 25-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
2109217-007C	01:52:53 Sat 25-S	Sample	C:\Users\Public\DocumSAMP,M-6020-D	gistix\ICPMS\DataSet\September202
2109266-001B	01:58:27 Sat 25-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109267-001B	02:04:01 Sat 25-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109271-001A	02:09:35 Sat 25-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109271-002A	02:15:09 Sat 25-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109271-003A	02:20:44 Sat 25-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109271-004A	02:26:18 Sat 25-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109271-005A	02:31:51 Sat 25-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109271-006A	02:37:25 Sat 25-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202

2109272-001A	02:42:59 Sat 25-Se	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
CCV	02:48:34 Sat 25-Se	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	02:54:09 Sat 25-Se	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109272-002A	02:59:44 Sat 25-Se	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109273-001A	03:05:18 Sat 25-Se	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109275-001B	03:10:52 Sat 25-Se	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109276-001A	03:16:26 Sat 25-Se	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109322-001A 50X	03:22:00 Sat 25-Se	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109322-002a 50x	03:27:35 Sat 25-Se	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
CCV	03:33:10 Sat 25-Se	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	03:38:45 Sat 25-Se	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2%	03:44:19 Sat 25-Se	QC Std #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
DI	03:49:54 Sat 25-Se	QC Std #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September2021\092721EH\
Report Date/Time: Tuesday, September 28, 2021 09:39:35

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	WASAH	08:54:27 Mon 27-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	09:00:02 Mon 27-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	NEW 2%	09:05:36 Mon 27-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CAL BLK IS 23514	09:15:34 Mon 27-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 1	09:21:08 Mon 27-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 2	09:26:42 Mon 27-S	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 3	09:32:16 Mon 27-S	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 4	09:37:50 Mon 27-S	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 5	09:43:24 Mon 27-S	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 6	09:48:58 Mon 27-S	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 7	09:54:32 Mon 27-S	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 8	10:00:06 Mon 27-S	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	10:05:41 Mon 27-S	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICB	10:11:15 Mon 27-S	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICV	10:16:50 Mon 27-S	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASAH	10:22:24 Mon 27-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICSA	10:35:46 Mon 27-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	10:41:20 Mon 27-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	10:46:55 Mon 27-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	2109300-001A	10:53:57 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109303-004A	10:59:31 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109309-001A	11:05:05 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109309-002A	11:10:39 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109312-001A	11:16:13 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109313-001C	11:21:47 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109314-001A	11:27:21 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109171-001D	11:32:55 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109271-001A 10X	11:38:30 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109271-003A 10X	11:44:04 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	CCV	11:49:39 Mon 27-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	11:55:23 Mon 27-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCV	12:02:46 Mon 27-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	12:08:20 Mon 27-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCV	12:23:18 Mon 27-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCV	12:33:52 Mon 27-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	12:39:27 Mon 27-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	2109271-005A 10X	12:51:57 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109271-006A 10X	12:57:31 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109272-002A	13:03:05 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109273-001A	13:08:39 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109275-001B	13:14:13 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109276-001A	13:19:47 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	LCS-33749	13:25:21 Mon 27-S	Sample	C:\Users\Public\DocumLCS,M-6020-TW	gistix\ICPMS\DataSet\September202
	LCS-33825	13:30:55 Mon 27-S	Sample	C:\Users\Public\DocumLCS,M-6020-TW	gistix\ICPMS\DataSet\September202
	2109217-005D	13:36:29 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\September202
	2109217-002D	13:42:04 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\September202
	CCV	13:47:38 Mon 27-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	13:53:13 Mon 27-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	2109217-003D	14:32:44 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\September202
	2109217-006D	14:38:18 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\September202

2109217-006DDIL	14:43:53 Mon 27-S	Sample	C:\Users\Public\DocumSD,M-6020-TW	gistix\ICPMS\DataSet\September202
MB-33831	14:52:22 Mon 27-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-T	gistix\ICPMS\DataSet\September202
LCS-33831	14:57:56 Mon 27-S	Sample	C:\Users\Public\DocumLCS,M-200.8-T	gistix\ICPMS\DataSet\September202
2109363-001B	15:03:30 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109363-001BDUP	15:09:04 Mon 27-S	Sample	C:\Users\Public\DocumDUP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109363-001BMS	15:14:38 Mon 27-S	Sample	C:\Users\Public\DocumMS,M-200.8-T	gistix\ICPMS\DataSet\September202
2109363-001BMSD	15:20:12 Mon 27-S	Sample	C:\Users\Public\DocumMSD,M-200.8-T	gistix\ICPMS\DataSet\September202
2109307-001B	15:25:47 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
CCV	15:31:22 Mon 27-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
CCB	15:36:56 Mon 27-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
CCV	15:46:53 Mon 27-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
CCB	15:52:28 Mon 27-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
WASH	16:51:52 Mon 27-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
WASH	16:57:26 Mon 27-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
CAL BLK IS 23514	17:00:51 Mon 27-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
CAL BLK IS 23514	17:08:24 Mon 27-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
Standard 1	17:13:58 Mon 27-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
Standard 2	17:19:33 Mon 27-S	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
Standard 3	17:25:07 Mon 27-S	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
Standard 4	17:30:41 Mon 27-S	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
Standard 5	17:36:15 Mon 27-S	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
Standard 6	17:41:49 Mon 27-S	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
Standard 7	17:47:23 Mon 27-S	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
Standard 8	17:52:57 Mon 27-S	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
WASH	17:58:32 Mon 27-S	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
ICB	18:04:06 Mon 27-S	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
ICV	18:09:41 Mon 27-S	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
WASH	18:15:15 Mon 27-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
ICSA	18:20:50 Mon 27-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
WASH	18:26:24 Mon 27-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
2109371-001A 100X	18:31:59 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-003A 10X	18:37:33 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-004A 100X	18:43:07 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-006A	18:48:41 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-011A	18:54:15 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-012A	18:59:49 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-013A	19:05:23 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
CCV	19:10:58 Mon 27-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
CCB	19:16:33 Mon 27-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
2109371-014A 10X	19:22:07 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-015A	19:27:41 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-016A 10X	19:33:15 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-017A	19:38:49 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-018A	19:44:23 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109371-019 10X	19:49:57 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109390-007A	19:55:31 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
WASH	20:01:06 Mon 27-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
MB-33833	20:06:41 Mon 27-S	Sample	C:\Users\Public\DocumMBLK,M-6020-S	gistix\ICPMS\DataSet\September202
LCS-33833	20:12:15 Mon 27-S	Sample	C:\Users\Public\DocumLCS,M-6020-S	gistix\ICPMS\DataSet\September202
CCV	20:17:50 Mon 27-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
CCB	20:23:25 Mon 27-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix	\ICPMS\DataSet\September202
2109333-002A	20:29:00 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109333-002ADIL	20:34:34 Mon 27-S	Sample	C:\Users\Public\DocumSD,M-6020-S	gistix\ICPMS\DataSet\September202
2109333-002AMS	20:40:08 Mon 27-S	Sample	C:\Users\Public\DocumMS,M-6020-S	gistix\ICPMS\DataSet\September202
2109333-002AMSD	20:45:42 Mon 27-S	Sample	C:\Users\Public\DocumMSD,M-6020-S	gistix\ICPMS\DataSet\September202
2109333-002APDS	20:51:16 Mon 27-S	Sample	C:\Users\Public\DocumPDS,M-6020-S	gistix\ICPMS\DataSet\September202
2109333-001A	20:56:50 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109333-003A	21:02:25 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109333-004A	21:07:58 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109333-005A	21:13:33 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202

2109333-006A	21:19:07 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
CCV	21:24:41 Mon 27-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	21:30:16 Mon 27-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109333-007A	21:35:51 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109333-008A	21:41:25 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109402-001A	21:46:59 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109394-001A	21:52:33 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109394-002A	21:58:07 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109394-003A	22:03:41 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109394-004A	22:09:15 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109394-005A	22:14:49 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109394-006A	22:20:23 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109394-007A	22:25:57 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
CCV	22:31:32 Mon 27-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	22:37:07 Mon 27-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109394-008A	22:42:42 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109394-009A	22:48:16 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2107149-013A	22:53:50 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2107149-013A	22:59:24 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109326-001A 100X	23:04:58 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109326-002A 100X	23:10:32 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109326-003A 100X	23:16:06 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109326-004A 100X	23:21:40 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109326-005A	23:27:14 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109326-006A	23:32:48 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
CCV	23:38:23 Mon 27-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	23:43:58 Mon 27-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109355-001A	23:49:33 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109357-006A	23:55:07 Mon 27-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109319-001A 500X	00:00:41 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109319-002A 500X	00:06:16 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109320-001A	00:11:50 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109320-002A	00:17:24 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109320-003A	00:22:58 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109320-004A	00:28:32 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109320-005A	00:34:06 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109324-001A	00:39:40 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
CCV	00:45:15 Tue 28-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	00:50:49 Tue 28-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109324-002A	00:56:24 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109324-003A	01:01:58 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109325-001D	01:07:32 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109403-001A 50X	01:13:07 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
WASH	01:18:42 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB-33831	01:24:17 Tue 28-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-T _ gistix\ICPMS\DataSet\September202
LCS-33831	01:29:52 Tue 28-S	Sample	C:\Users\Public\DocumLCS,M-200.8-T _ gistix\ICPMS\DataSet\September202
MB-33816	01:35:26 Tue 28-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109341-001B	01:41:01 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109341-002B	01:46:35 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
CCV	01:52:10 Tue 28-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	01:57:44 Tue 28-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109341-003B	02:03:20 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109341-004B	02:08:54 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109341-006B	02:14:28 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109341-007B	02:20:02 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109341-008B	02:25:36 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109341-009B	02:31:10 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109328-001D	02:36:44 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109330-001A	02:42:18 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109339-005A	02:47:52 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202

2109343-001A	02:53:26 Tue 28-SSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
CCV	02:59:01 Tue 28-SQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	03:04:36 Tue 28-SQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109343-002A	03:10:11 Tue 28-SSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109343-003A	03:15:45 Tue 28-SSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109343-004A	03:21:19 Tue 28-SSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109343-005A	03:26:53 Tue 28-SSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109348-006A	03:32:27 Tue 28-SSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109359-001B	03:38:01 Tue 28-SSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109322-003A	03:43:36 Tue 28-SSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
LDR	03:49:11 Tue 28-SSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	03:54:45 Tue 28-SSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	04:00:20 Tue 28-SSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	04:05:54 Tue 28-SQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	04:11:29 Tue 28-SQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2%	04:17:03 Tue 28-SQC Std #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
DI	04:22:37 Tue 28-SQC Std #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September2021\092821eh\
Report Date/Time: Wednesday, September 29, 2021 09:26:37

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	CONE COND	10:07:04 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CONE COND	10:12:38 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CONE COND	10:18:12 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	10:23:46 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	10:29:21 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	NEW 2%	10:34:55 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CAL BLK IS 23514	10:41:07 Tue 28-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 1	10:46:41 Tue 28-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 2	10:52:15 Tue 28-S	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 3	10:57:49 Tue 28-S	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 4	11:03:23 Tue 28-S	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 5	11:08:57 Tue 28-S	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 6	11:14:31 Tue 28-S	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 7	11:20:05 Tue 28-S	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 8	11:25:39 Tue 28-S	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	11:31:14 Tue 28-S	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICB	11:36:49 Tue 28-S	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICV	11:42:23 Tue 28-S	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	11:47:57 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICV	12:08:05 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICSA	12:26:13 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	12:31:48 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	12:37:22 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	MB-33833	12:44:10 Tue 28-S	Sample	C:\Users\Public\DocumMBLK,M-6020-S	gistix\ICPMS\DataSet\September202
	LCS-33833	12:49:44 Tue 28-S	Sample	C:\Users\Public\DocumLCS,M-6020-S	gistix\ICPMS\DataSet\September202
	2109333-002A	12:55:18 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109333-002ADIL	13:00:52 Tue 28-S	Sample	C:\Users\Public\DocumSD,M-6020-S	gistix\ICPMS\DataSet\September202
	2109333-002AMS	13:06:26 Tue 28-S	Sample	C:\Users\Public\DocumMS,M-6020-S	gistix\ICPMS\DataSet\September202
	2109333-002AMSD	13:12:00 Tue 28-S	Sample	C:\Users\Public\DocumMSD,M-6020-S	gistix\ICPMS\DataSet\September202
	2109333-002APDS	13:17:34 Tue 28-S	Sample	C:\Users\Public\DocumPDS,M-6020-S	gistix\ICPMS\DataSet\September202
	2109333-001A	13:23:08 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109333-003A	13:28:42 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109333-004A	13:34:16 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	CCV	13:39:56 Tue 28-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	13:45:30 Tue 28-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	2109333-005A	13:51:30 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109333-006A	13:57:04 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109333-007A	14:02:38 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109333-008A	14:08:12 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109402-001A	14:13:46 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109394-001A	14:19:20 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109394-002A	14:24:54 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109394-003A	14:30:28 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109394-004A	14:36:02 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	2109394-005A	14:41:36 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	CCV	14:47:10 Tue 28-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	14:52:45 Tue 28-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCV	15:09:57 Tue 28-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	15:15:32 Tue 28-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	2109394-006A	15:21:48 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202

2109394-007A	15:27:22 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109394-008A	15:32:56 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109394-009A	15:38:29 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109371-014A 10X	15:44:04 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
LDR	15:49:39 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	15:59:51 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB-33854	16:06:23 Tue 28-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-T _ gistix\ICPMS\DataSet\September202
LCS-33854	16:11:57 Tue 28-S	Sample	C:\Users\Public\DocumLCS,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109439-001A	16:17:32 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
CCV	16:23:07 Tue 28-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	16:28:41 Tue 28-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	16:38:24 Tue 28-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	16:43:59 Tue 28-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB2-33864	16:49:33 Tue 28-S	Sample	C:\Users\Public\DocumMBLK,M-SPLP _ gistix\ICPMS\DataSet\September202
2109218-004A	16:55:09 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-SPLP _ gistix\ICPMS\DataSet\September202
2109218-005A	17:00:43 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-SPLP _ gistix\ICPMS\DataSet\September202
2109218-006A	17:06:18 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-SPLP _ gistix\ICPMS\DataSet\September202
2109218-007A	17:11:53 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-SPLP _ gistix\ICPMS\DataSet\September202
2109218-007AMS	17:17:27 Tue 28-S	Sample	C:\Users\Public\DocumMS,M-SPLP _ gistix\ICPMS\DataSet\September202
CCV	17:23:02 Tue 28-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	17:28:37 Tue 28-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CAL BLK IS 23514	17:38:01 Tue 28-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 1	17:43:36 Tue 28-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CAL BLK IS 23514	17:45:51 Tue 28-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 1	17:51:25 Tue 28-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 2	17:56:59 Tue 28-S	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 3	18:02:33 Tue 28-S	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 4	18:08:07 Tue 28-S	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 5	18:13:41 Tue 28-S	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 6	18:19:15 Tue 28-S	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 7	18:24:49 Tue 28-S	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 8	18:30:23 Tue 28-S	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	18:35:59 Tue 28-S	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
ICB	18:41:33 Tue 28-S	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
ICV	18:47:07 Tue 28-S	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	18:52:42 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
ICSA	18:58:16 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	19:03:51 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	19:09:25 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB2-33864	19:15:00 Tue 28-S	Sample	C:\Users\Public\DocumMBLK,M-SPLP _ gistix\ICPMS\DataSet\September202
MB-33864	19:20:34 Tue 28-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-T _ gistix\ICPMS\DataSet\September202
LCS-33864	19:26:08 Tue 28-S	Sample	C:\Users\Public\DocumLCS,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109397-006G	19:31:42 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109397-006GDUP	19:37:15 Tue 28-S	Sample	C:\Users\Public\DocumDUP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109397-006GMS	19:42:49 Tue 28-S	Sample	C:\Users\Public\DocumMS,M-200.8-T _ gistix\ICPMS\DataSet\September202
CCV	19:48:24 Tue 28-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	19:53:59 Tue 28-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109397-006GMSD	19:59:34 Tue 28-S	Sample	C:\Users\Public\DocumMSD,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109218-004A	20:05:08 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-SPLP _ gistix\ICPMS\DataSet\September202
2109218-005A	20:10:42 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-SPLP _ gistix\ICPMS\DataSet\September202
2109218-006A	20:16:16 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-SPLP _ gistix\ICPMS\DataSet\September202
2109218-007A	20:21:50 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-SPLP _ gistix\ICPMS\DataSet\September202
2109218-007AMS	20:27:24 Tue 28-S	Sample	C:\Users\Public\DocumMS,M-SPLP _ gistix\ICPMS\DataSet\September202
WASH	20:32:59 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB-33834	20:38:33 Tue 28-S	Sample	C:\Users\Public\DocumMBLK,M-6020-S _ gistix\ICPMS\DataSet\September202
LCS-33834	20:44:07 Tue 28-S	Sample	C:\Users\Public\DocumLCS,M-6020-S _ gistix\ICPMS\DataSet\September202
2109394-015A	20:49:41 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
CCV	20:55:16 Tue 28-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	21:00:51 Tue 28-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109394-015ADIL	21:06:26 Tue 28-S	Sample	C:\Users\Public\DocumSD,M-6020-S _ gistix\ICPMS\DataSet\September202

2109394-015AMS	21:12:00 Tue 28-S	Sample	C:\Users\Public\DocumMS,M-6020-S	gistix\ICPMS\DataSet\September202
2109394-015AMSD	21:17:34 Tue 28-S	Sample	C:\Users\Public\DocumMSD,M-6020-S	gistix\ICPMS\DataSet\September202
2109394-015APDS	21:23:07 Tue 28-S	Sample	C:\Users\Public\DocumPDS,M-6020-S	gistix\ICPMS\DataSet\September202
2109394-012A	21:28:41 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109394-013A	21:34:16 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109394-014A	21:39:50 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109394-016A	21:45:24 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109394-017A	21:50:58 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109394-018A	21:56:32 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
CCV	22:02:06 Tue 28-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
CCB	22:07:41 Tue 28-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
2109394-019A	22:13:15 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109394-020A	22:18:49 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
WASH	22:24:24 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
MB-33818FB	22:29:59 Tue 28-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-D	gistix\ICPMS\DataSet\September202
MB-33819	22:35:33 Tue 28-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-D	gistix\ICPMS\DataSet\September202
LCS-33819	22:41:07 Tue 28-S	Sample	C:\Users\Public\DocumLCS,M-200.8-D	gistix\ICPMS\DataSet\September202
2109341-003C	22:46:41 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\September202
2109341-003CDUP	22:52:15 Tue 28-S	Sample	C:\Users\Public\DocumDUP,M-200.8-D	gistix\ICPMS\DataSet\September202
2109341-003CMS	22:57:49 Tue 28-S	Sample	C:\Users\Public\DocumMS,M-200.8-D	gistix\ICPMS\DataSet\September202
2109341-003CMSD	23:03:24 Tue 28-S	Sample	C:\Users\Public\DocumMSD,M-200.8-D	gistix\ICPMS\DataSet\September202
CCV	23:08:59 Tue 28-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
CCB	23:14:33 Tue 28-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
2109439-001B	23:20:08 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\September202
2109289-001B	23:25:42 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\September202
WASH	23:31:17 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
MB-33816	23:36:51 Tue 28-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-T	gistix\ICPMS\DataSet\September202
2109341-001B	23:42:26 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109341-002B	23:47:59 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109341-003B	23:53:34 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109341-004B	23:59:08 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109341-006B	00:04:42 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109341-007B	00:10:16 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
CCV	00:15:51 Wed 29-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
CCB	00:21:25 Wed 29-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
2109341-008B	00:27:00 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109341-009B	00:32:34 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109328-001D	00:38:08 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109330-001A	00:43:42 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109339-005A	00:49:16 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109319-001A	00:54:50 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109319-002A	01:00:24 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109320-001A	01:05:59 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109320-002A	01:11:32 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109320-003A	01:17:06 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
CCV	01:22:41 Wed 29-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
CCB	01:28:16 Wed 29-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
2109320-004A	01:33:51 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109320-005A	01:39:25 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109324-001A	01:44:59 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109324-002A	01:50:33 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109324-003A	01:56:07 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109325-001D	02:01:41 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109343-001A	02:07:15 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109343-002A	02:12:49 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109343-003A	02:18:23 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109343-004A	02:23:57 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
CCV	02:29:32 Wed 29-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
CCB	02:35:07 Wed 29-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
2109343-005A	02:40:42 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202

2109348-006A	02:46:16 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109359-001B	02:51:50 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109322-003A WD C	02:57:25 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109423-002A	03:03:00 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109423-002ADUP	03:08:34 Wed 29-S	Sample	C:\Users\Public\DocumDUP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109423-002AMS	03:14:08 Wed 29-S	Sample	C:\Users\Public\DocumMS,M-200.8-T	gistix\ICPMS\DataSet\September202
2109423-002AMSD	03:19:42 Wed 29-S	Sample	C:\Users\Public\DocumMSD,M-200.8-T	gistix\ICPMS\DataSet\September202
2109432-001A	03:25:16 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
WASH	03:30:50 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
CCV	03:36:24 Wed 29-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
CCB	03:41:59 Wed 29-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
MB-33853	03:47:34 Wed 29-S	Sample	C:\Users\Public\DocumMBLK,M-TCLP	gistix\ICPMS\DataSet\September202
LCS-33853	03:53:08 Wed 29-S	Sample	C:\Users\Public\DocumLCS,M-TCLP	gistix\ICPMS\DataSet\September202
2109299-001A	03:58:42 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-TCLP	gistix\ICPMS\DataSet\September202
2109299-001ADUP	04:04:15 Wed 29-S	Sample	C:\Users\Public\DocumDUP,M-TCLP	gistix\ICPMS\DataSet\September202
2109299-001AMS	04:09:49 Wed 29-S	Sample	C:\Users\Public\DocumMS,M-TCLP	gistix\ICPMS\DataSet\September202
2109299-001AMSD	04:15:23 Wed 29-S	Sample	C:\Users\Public\DocumMSD,M-TCLP	gistix\ICPMS\DataSet\September202
2109299-002A	04:20:57 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-TCLP	gistix\ICPMS\DataSet\September202
2109404-001A	04:26:32 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-TCLP	gistix\ICPMS\DataSet\September202
2109410-001A	04:32:06 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-TCLP	gistix\ICPMS\DataSet\September202
2109341-001C	04:37:40 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\September202
CCV	04:43:15 Wed 29-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
CCB	04:48:50 Wed 29-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
2109341-002C	04:54:24 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\September202
2109341-004C	04:59:58 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\September202
2109341-005C	05:05:33 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\September202
2109341-006C	05:11:07 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\September202
2109341-007C	05:16:41 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\September202
2109341-008C	05:22:15 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\September202
2109341-009C	05:27:49 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\September202
MB-33831	05:33:23 Wed 29-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-T	gistix\ICPMS\DataSet\September202
LCS-33831	05:38:57 Wed 29-S	Sample	C:\Users\Public\DocumLCS,M-6020-S	gistix\ICPMS\DataSet\September202
2109403-001A 50X	05:44:31 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
CCV	05:50:06 Wed 29-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
CCB	05:55:41 Wed 29-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
CCV	06:01:15 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
CCB	06:06:50 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
LDR	06:12:25 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
CCV	06:18:00 Wed 29-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
CCB	06:23:34 Wed 29-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
2%	06:29:09 Wed 29-S	QC Std #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
DI	06:34:43 Wed 29-S	QC Std #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\
Report Date/Time: Friday, October 01, 2021 08:38:48

The Dataset

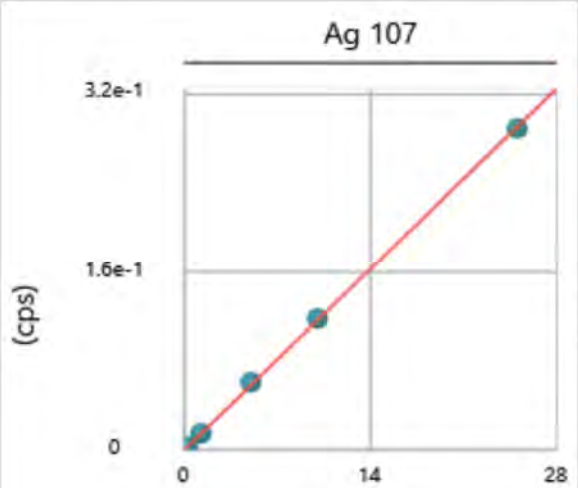
Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	RINSE	09:06:11 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\RIN	
	RINSE	09:11:45 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\RIN	
	RINSE	09:17:19 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\RIN	
	NEW 2%	09:22:53 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\NEW	
	BLANK	09:28:28 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\BLA	
	BLANK	09:36:04 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\BLA	
	CAL BLK IS 23514	09:42:34 Thu 30-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CAL	
	Standard 1	09:48:08 Thu 30-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
	Standard 2	09:53:42 Thu 30-S	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
	Standard 3	09:59:16 Thu 30-S	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
	Standard 4	10:04:50 Thu 30-S	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
	Standard 5	10:10:24 Thu 30-S	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
	Standard 6	10:15:58 Thu 30-S	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
	Standard 7	10:21:32 Thu 30-S	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
	Standard 8	10:27:06 Thu 30-S	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
	WASH	10:32:41 Thu 30-S	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\WAS	
	ICB	10:38:15 Thu 30-S	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\ICB.	
	ICV	10:43:49 Thu 30-S	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\ICV.	
	BLANK	10:49:24 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\BLA	
	ICSA	11:14:12 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\ICSA	
	WASH	11:19:47 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\WAS	
	WASH	11:25:21 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\WAS	
	2109371-014A 10X	11:39:19 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	2109423-001A 10X	11:44:56 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	2109446-001A 10X	11:50:30 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	2109446-002A 10X	11:56:04 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	2109394-010A 10X	12:01:38 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	2109394-011A 100X	12:07:12 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	2109462-001A 5X	12:14:14 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\093021eh\2109
	2108289-001B F	12:21:34 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\093021eh\2108
	2108289-001A T	12:27:08 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\093021eh\2108
	2108289-001B D	12:32:42 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\093021eh\2108
	CCV	12:38:17 Thu 30-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV	
	CCB	12:43:52 Thu 30-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB	
	2109360-002A	12:53:05 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\093021eh\2109
	2109319-001A 500X	12:58:39 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\093021eh\2109
	2109319-002A 500X	13:04:13 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\093021eh\2109
	2109328-001D 10X	13:09:48 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\093021eh\2109
	2109341-008A	13:15:21 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\093021eh\2109
	2109341-009A	13:20:56 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\093021eh\2109
	2109359-006A 10X	13:26:30 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\093021eh\2109
	2109370-001A	13:32:04 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	2109370-002A	13:37:38 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	2109370-003A	13:43:12 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	CCV	13:48:47 Thu 30-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV	
	CCB	13:54:21 Thu 30-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB	
	2109374-001A	14:00:08 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	2109374-002A	14:05:43 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	2109374-003A	14:11:17 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	2109376-001A	14:16:51 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109

LCS-33816	14:23:41 Thu 30-S	Sample	C:\Users\Public\DocumLCS,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\LCS
2109343-002A	14:29:14 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109343-003A 5X	14:34:48 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109343-004A 5X	14:40:21 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109343-005A 5X	14:45:55 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109326-001A 100X	14:51:28 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
CCV	14:57:04 Thu 30-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	15:02:38 Thu 30-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109326-002A 100X	15:08:40 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109326-003A 100X	15:14:13 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109326-004A 100X	15:19:47 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109326-005A	15:25:20 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109326-006A	15:30:54 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109355-001A 10X	15:36:27 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109357-006A	15:42:01 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109355-001A 10X	15:54:46 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109357-006A	16:00:19 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
CCV	16:05:55 Thu 30-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	16:11:29 Thu 30-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
CCB	16:17:46 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
MB-33864	16:48:09 Thu 30-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\MB-
LCS-33864	16:53:42 Thu 30-S	Sample	C:\Users\Public\DocumLCS,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\LCS
2109397-006G	16:59:16 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109397-006GDUP	17:04:49 Thu 30-S	Sample	C:\Users\Public\DocumDUP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109397-006GMS	17:10:22 Thu 30-S	Sample	C:\Users\Public\DocumMS,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109397-006GMSD	17:15:56 Thu 30-S	Sample	C:\Users\Public\DocumMSD,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109384-018A	17:21:29 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109384-019A	17:27:03 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109384-020A	17:32:36 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109384-021A	17:38:09 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
CCV	17:43:44 Thu 30-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	17:49:19 Thu 30-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109386-001A	17:54:53 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109386-002A	18:00:26 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109388-001A	18:06:00 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109388-002A	18:11:33 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109390-008D	18:17:07 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109405-001C	18:22:40 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109408-012I	18:28:14 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109411-002E	18:33:47 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109412-001A	18:39:20 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109412-002A	18:44:54 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
CCV	18:50:29 Thu 30-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	18:56:03 Thu 30-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109359-001C	19:01:37 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _ gistix\ICPMS\DataSet\093021eh\2109
2109363-001C	19:07:11 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _ gistix\ICPMS\DataSet\093021eh\2109
2109363-002C	19:12:44 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _ gistix\ICPMS\DataSet\093021eh\2109
2109390-008E	19:18:17 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _ gistix\ICPMS\DataSet\093021eh\2109
2109397-006H	19:23:51 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _ gistix\ICPMS\DataSet\093021eh\2109
2109080-001G	19:29:24 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _ gistix\ICPMS\DataSet\093021eh\2109
2109100-001G	19:34:58 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _ gistix\ICPMS\DataSet\093021eh\2109
2109408-012J	19:40:31 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _ gistix\ICPMS\DataSet\093021eh\2109
2109411-002F	19:46:04 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _ gistix\ICPMS\DataSet\093021eh\2109
2109326-002a	19:51:38 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
CCV	19:57:12 Thu 30-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	20:02:47 Thu 30-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109326-003a 1000x	20:08:22 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
WASH	20:13:56 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\WAS
MB-33875	20:19:31 Thu 30-S	Sample	C:\Users\Public\DocumMBLK,M-6020-S _ gistix\ICPMS\DataSet\093021eh\MB-
LCS-33875	20:25:04 Thu 30-S	Sample	C:\Users\Public\DocumLCS,M-6020-S _ gistix\ICPMS\DataSet\093021eh\LCS

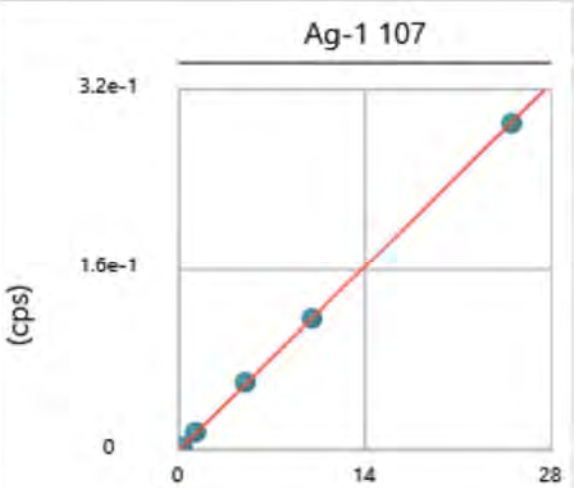
2109389-005A	20:30:37 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-005ADIL	20:36:11 Thu 30-S	Sample	C:\Users\Public\DocumSD,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-005AMS	20:41:44 Thu 30-S	Sample	C:\Users\Public\DocumMS,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-005AMSD	20:47:18 Thu 30-S	Sample	C:\Users\Public\DocumMSD,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-005APDS	20:52:51 Thu 30-S	Sample	C:\Users\Public\DocumPDS,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-001A	20:58:24 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
CCV	21:03:59 Thu 30-SQC	Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	21:09:34 Thu 30-SQC	Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109389-002A	21:15:08 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-003A	21:20:42 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-004A	21:26:15 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-006A	21:31:48 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-007A	21:37:22 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-008A	21:42:55 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-009A	21:48:29 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-010A	21:54:02 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-011A	21:59:36 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109493-001A	22:05:09 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
CCV	22:10:44 Thu 30-SQC	Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	22:16:19 Thu 30-SQC	Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109493-002A	22:21:53 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109493-003A	22:27:26 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109493-004A	22:33:00 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109493-005A	22:38:33 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109493-006A	22:44:07 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109493-007A	22:49:40 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109493-008A	22:55:13 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2107149-014A	23:00:47 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2107
2107149-014A	23:06:20 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2107
2109417-001A	23:11:54 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
CCV	23:17:29 Thu 30-SQC	Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	23:23:04 Thu 30-SQC	Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109419-001D	23:28:38 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109425-001B	23:34:12 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
210429-001A 5X	23:39:45 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2104
2109430-001D	23:45:19 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109431-001A	23:50:52 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109431-002A	23:56:26 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109431-006A	00:01:59 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109434-001A	00:07:32 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109436-001B	00:13:06 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109437-001A	00:18:39 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
CCV	00:24:14 Fri 01-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	00:29:49 Fri 01-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109438-001B	00:35:24 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109440-001B	00:40:57 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
WASH	00:46:31 Fri 01-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\WAS
MB-33873	00:52:05 Fri 01-Oc	Sample	C:\Users\Public\DocumMBLK,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\MB-
LCS-33873	00:57:39 Fri 01-Oc	Sample	C:\Users\Public\DocumLCS,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\LCS
2109444-002A	01:03:12 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109444-002ADUP	01:08:46 Fri 01-Oc	Sample	C:\Users\Public\DocumDUP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109444-002AMS	01:14:19 Fri 01-Oc	Sample	C:\Users\Public\DocumMS,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109444-002AMSD	01:19:53 Fri 01-Oc	Sample	C:\Users\Public\DocumMSD,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109443-001A	01:25:26 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
CCV	01:31:01 Fri 01-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	01:36:36 Fri 01-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109443-002A	01:42:10 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109444-001A	01:47:44 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109447-001A	01:53:17 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109448-001B 5X	01:58:50 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109

2109448-002B 5X	02:04:24 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109449-001B	02:09:57 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109450-001A	02:15:30 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109451-001A	02:21:04 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109452-001A	02:26:37 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109452-002A	02:32:11 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
CCV	02:37:46 Fri 01-OcQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	02:43:20 Fri 01-OcQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109452-003A	02:48:55 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109453-001F	02:54:28 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109453-002F	03:00:01 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109454-001A	03:05:35 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109458-001A	03:11:08 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109459-001A	03:16:41 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109460-001A	03:22:15 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
LDR	03:27:49 Fri 01-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\LDR
CCV	03:33:24 Fri 01-OcQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	03:38:59 Fri 01-OcQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2%	03:44:33 Fri 01-OcQC Std #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\2%.1
DI	03:50:08 Fri 01-OcQC Std #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\DI.1

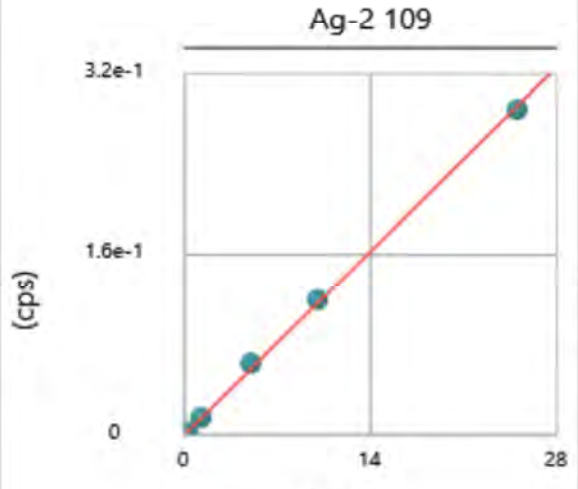
Calibration



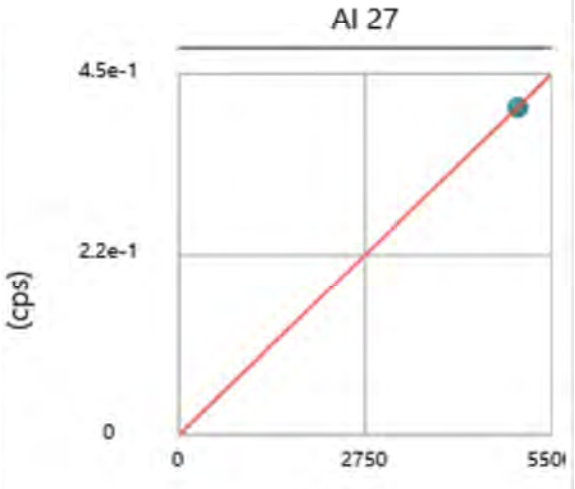
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999932
BEC : 0.000011 ug/L
DL : 0.001732 ug/L



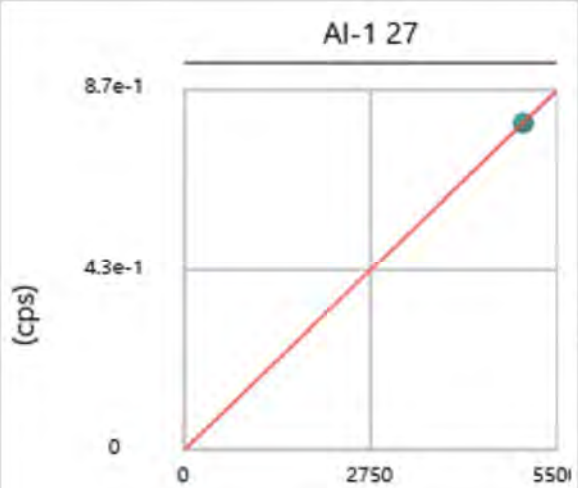
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999966
BEC : -0.000001 ug/L
DL : 0.000347 ug/L



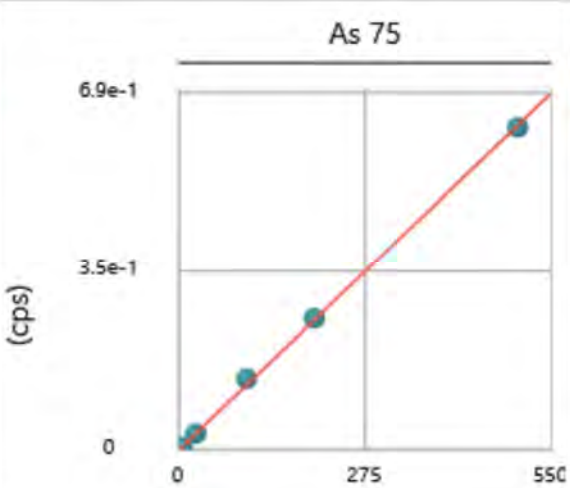
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999766
BEC : 0.000024 ug/L
DL : 0.003179 ug/L



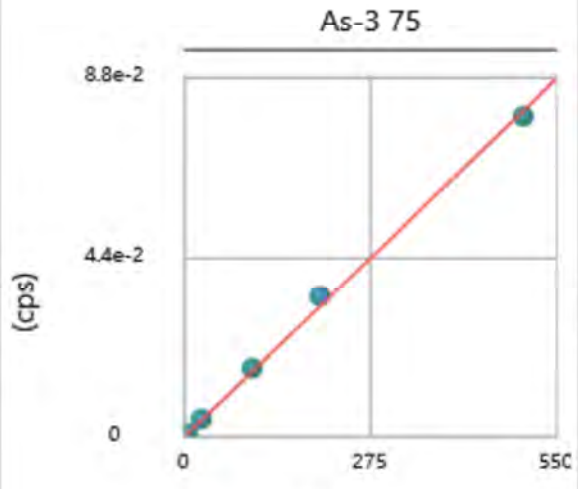
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.000442 ug/L
DL : 0.048928 ug/L



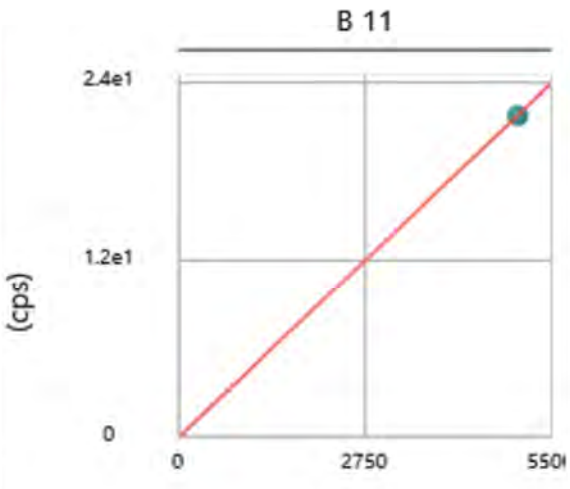
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.002058 mg/L
DL : 0.278471 mg/L



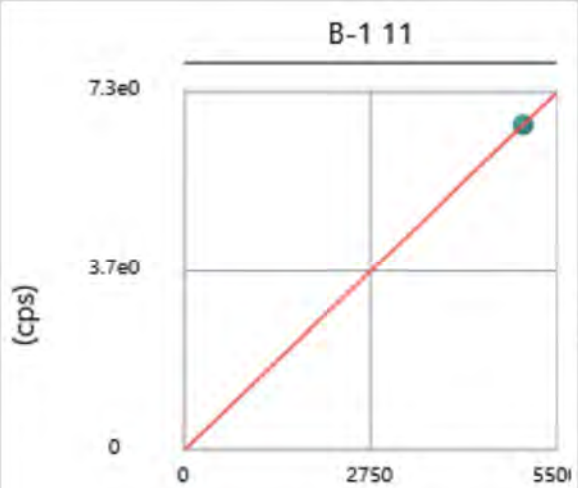
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999804
BEC : 0.004118 ug/L
DL : 0.711615 ug/L



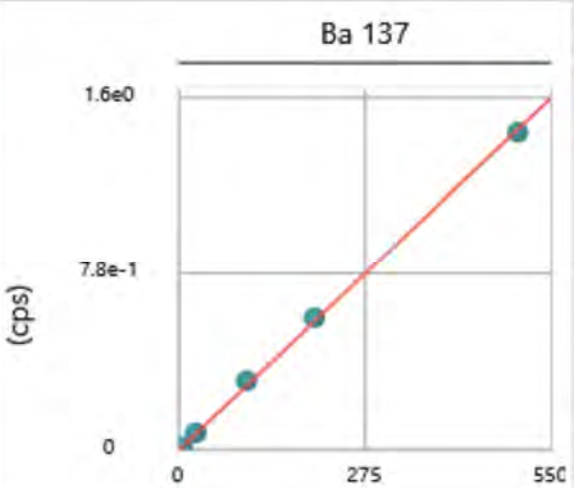
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999402
BEC : -0.000095 ug/L
DL : 0.013932 ug/L



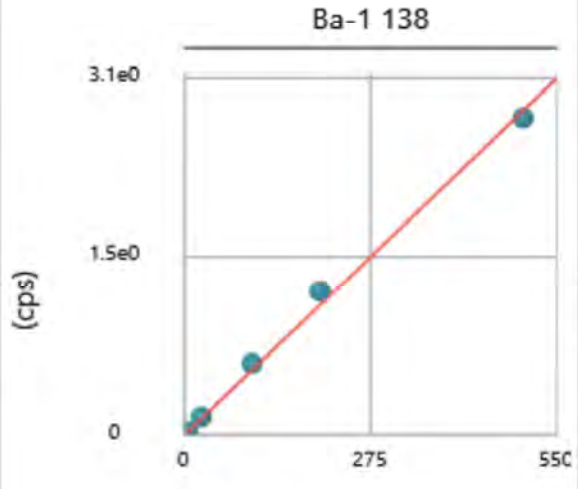
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000425 ug/L
DL : 0.115019 ug/L



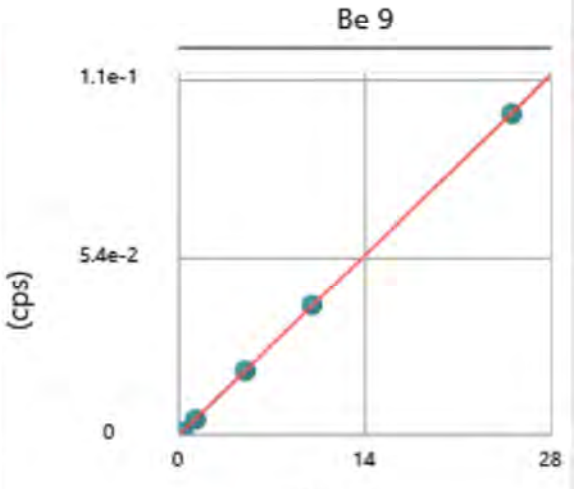
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.012540 ug/L
DL : 1.141023 ug/L



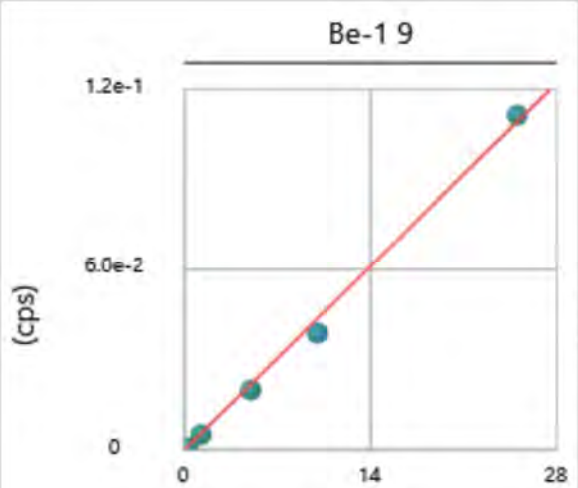
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999791
BEC : -0.000048 ug/L
DL : 0.009894 ug/L



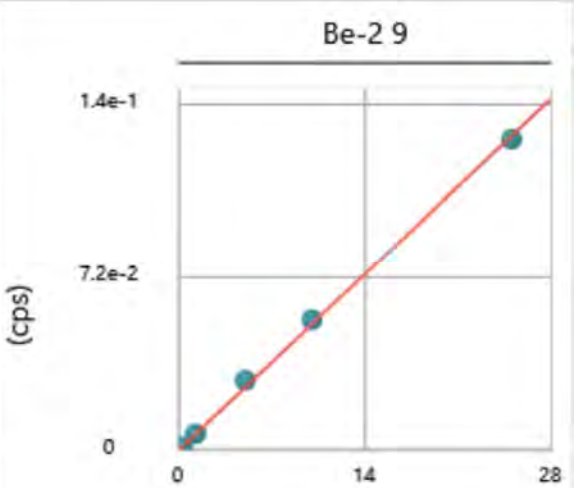
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.998807
BEC : -0.000054 mg/L
DL : 0.007276 mg/L



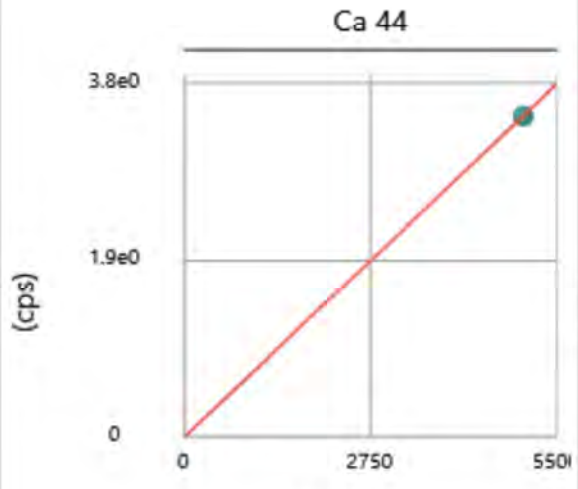
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999995
BEC : 0.000004 ug/L
DL : 0.001584 ug/L



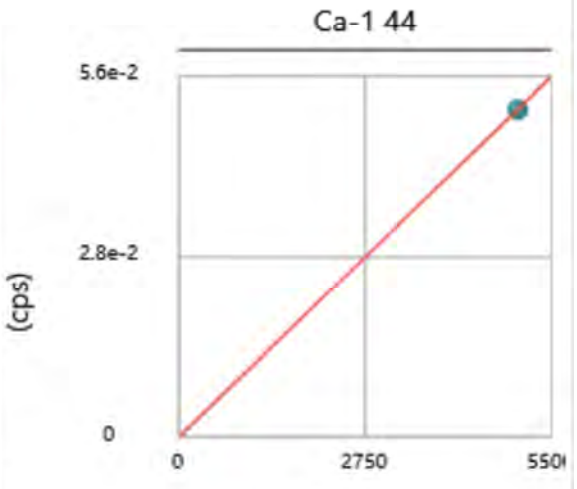
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.998900
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



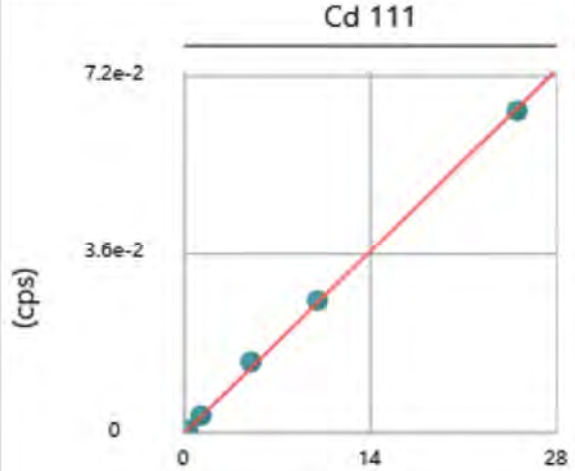
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999662
BEC : 0.000009 ug/L
DL : 0.001446 ug/L



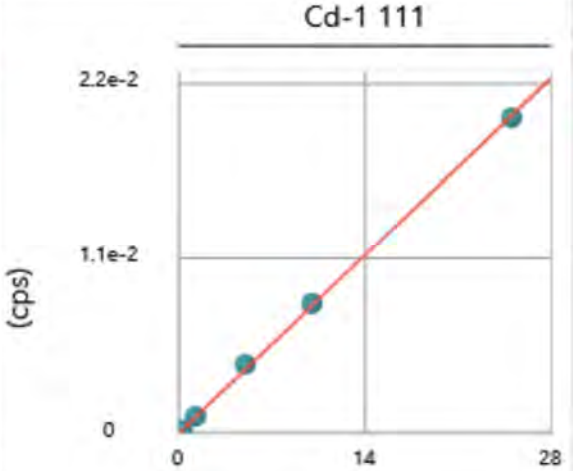
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.015394 ug/L
DL : 1.672472 ug/L



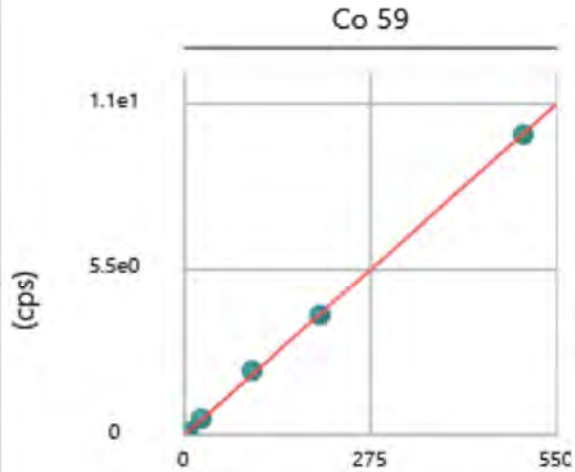
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.002390 mg/L
DL : 0.960308 mg/L



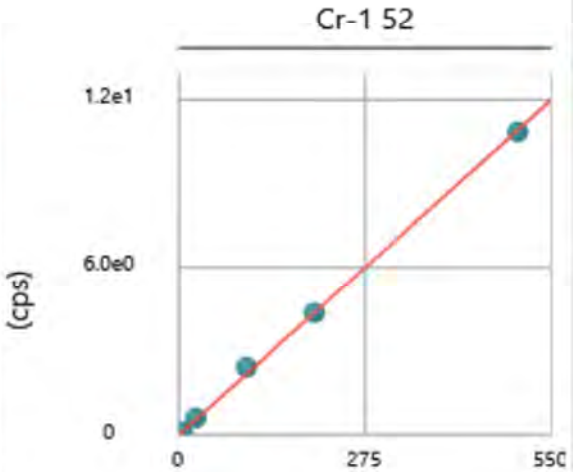
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999793
BEC : -0.000007 ug/L
DL : 0.001646 ug/L



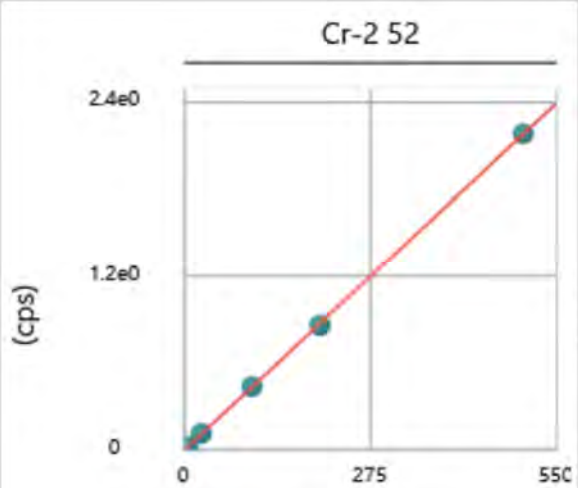
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999835
BEC : 0.000204 mg/L
DL : 0.026589 mg/L



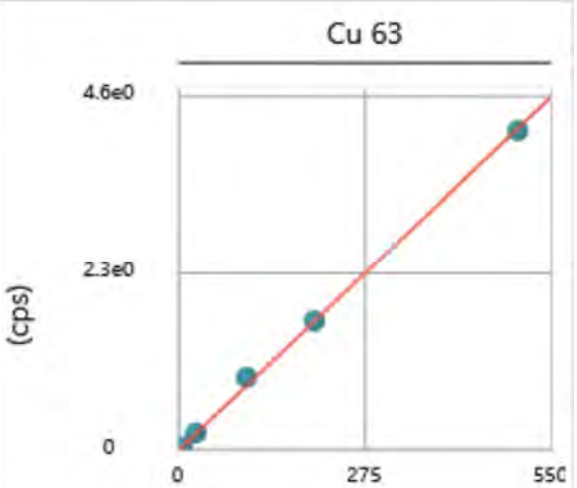
Eqn. : y = 0.020x + 0.000
Cor.Coeff. : 0.999908
BEC : -0.000001 ug/L
DL : 0.000239 ug/L



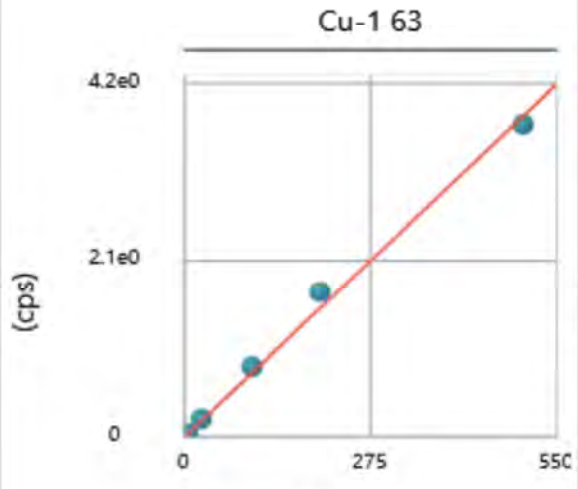
Eqn. : y = 0.022x + 0.000
Cor.Coeff. : 0.999745
BEC : 0.000116 ug/L
DL : 0.116266 ug/L



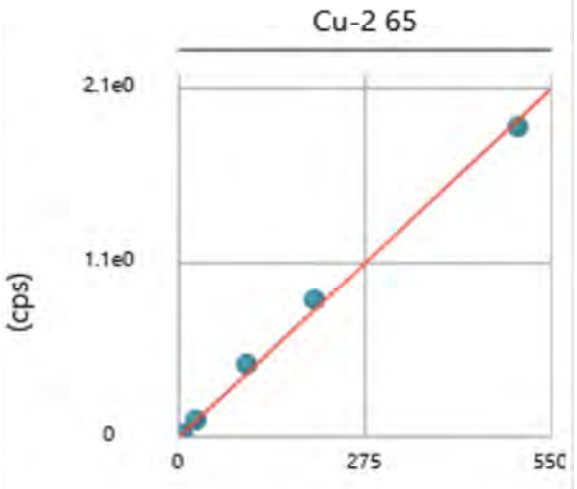
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999981
BEC : 0.000093 ug/L
DL : 0.012288 ug/L



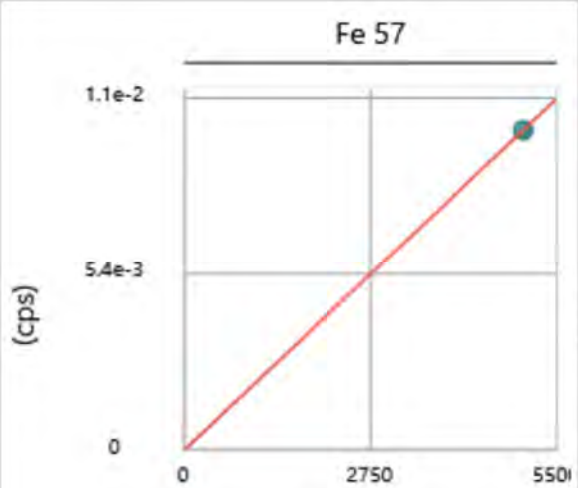
Eqn. : y = 0.008x + 0.000
Cor.Coeff. : 0.999682
BEC : 0.000120 ug/L
DL : 0.015501 ug/L



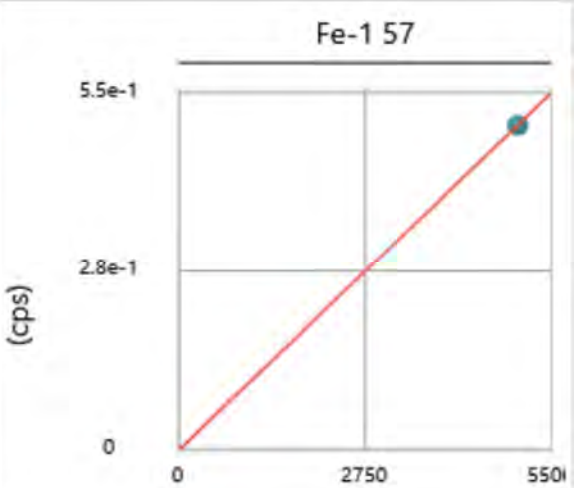
Eqn. : y = 0.008x + 0.000
Cor.Coeff. : 0.998410
BEC : 0.000083 ug/L
DL : 0.015510 ug/L



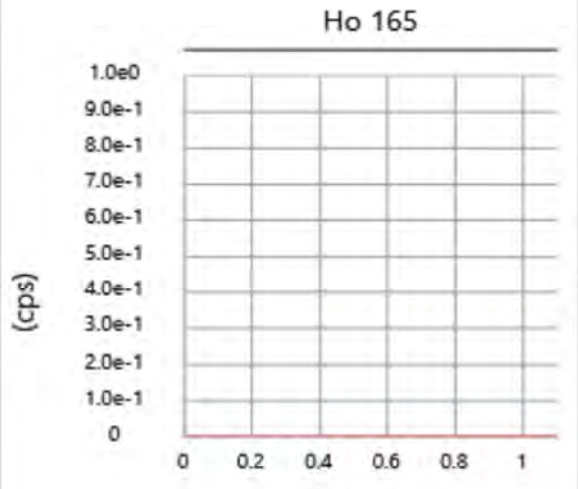
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.998990
BEC : 0.000007 ug/L
DL : 0.005517 ug/L



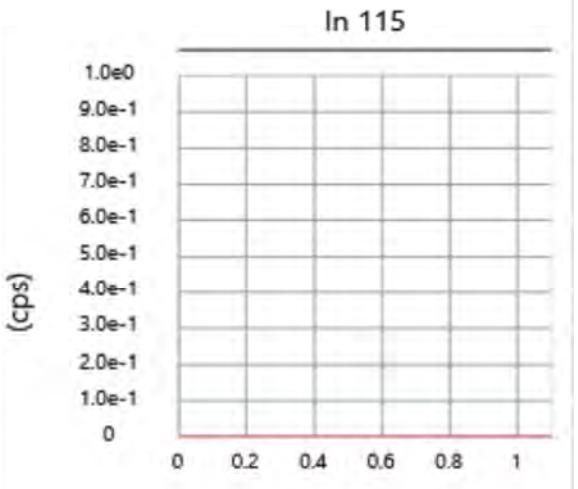
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.022765 ug/L
DL : 18.031123 ug/L



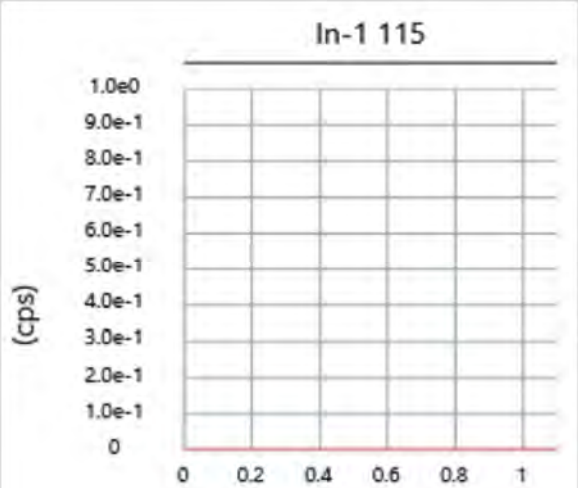
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.002295 ug/L
DL : 0.308915 ug/L



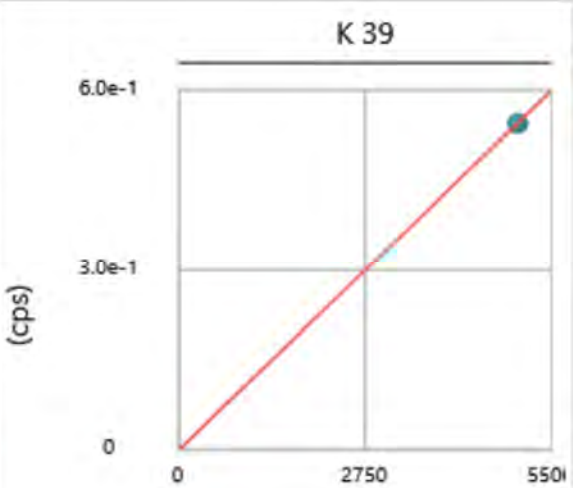
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



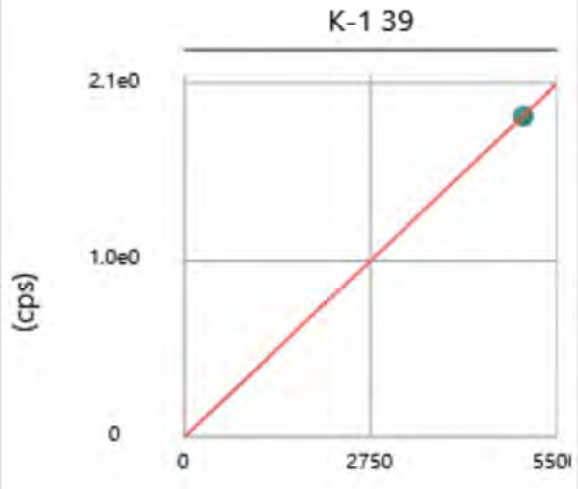
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



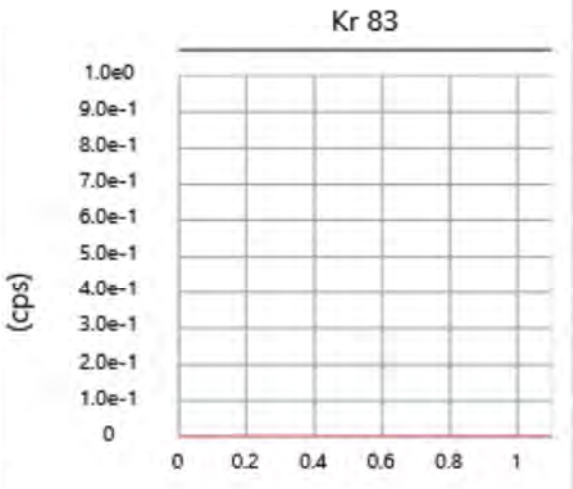
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



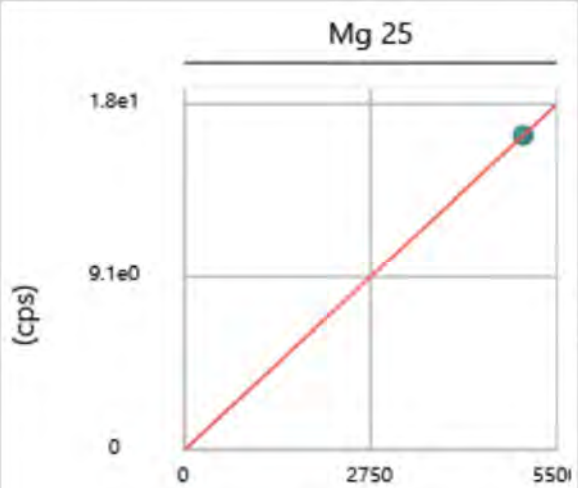
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.018096 ug/L
DL : 3.313903 ug/L



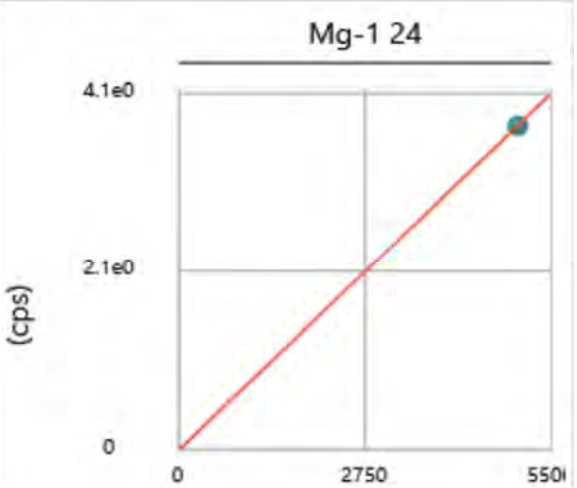
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.015271 mg/L
DL : 4.567518 mg/L



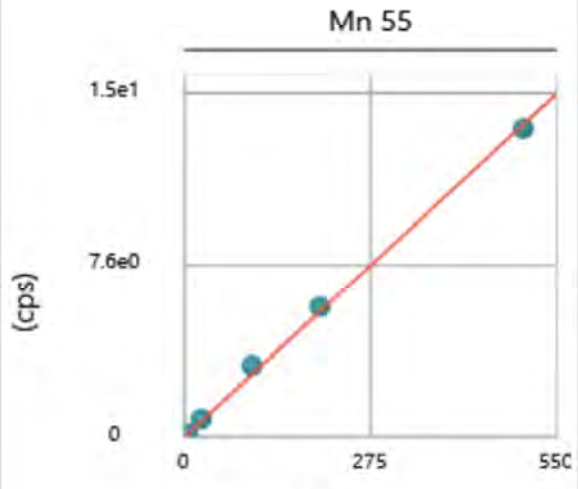
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



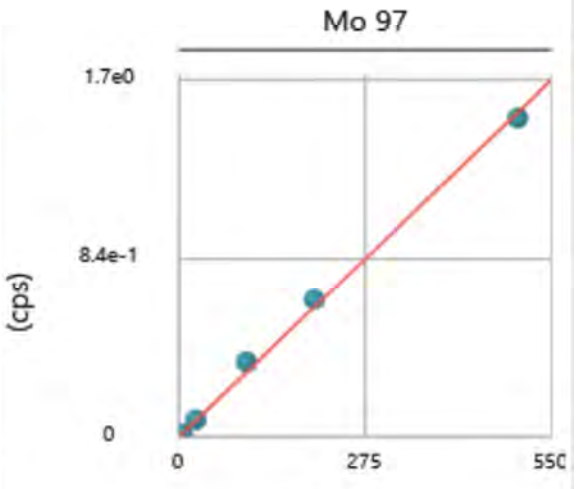
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000275 ug/L
DL : 0.031296 ug/L



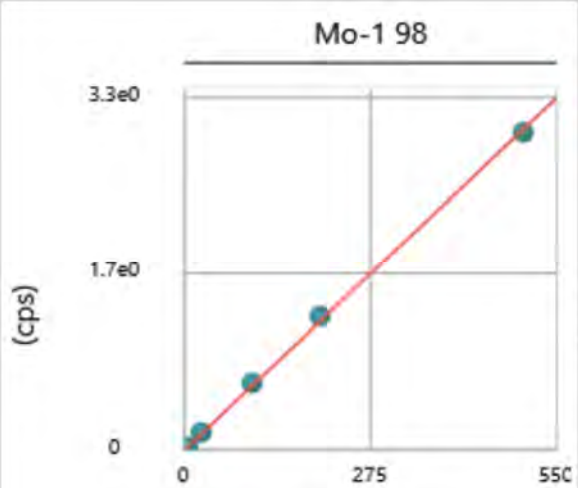
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.000152 mg/L
DL : 0.046661 mg/L



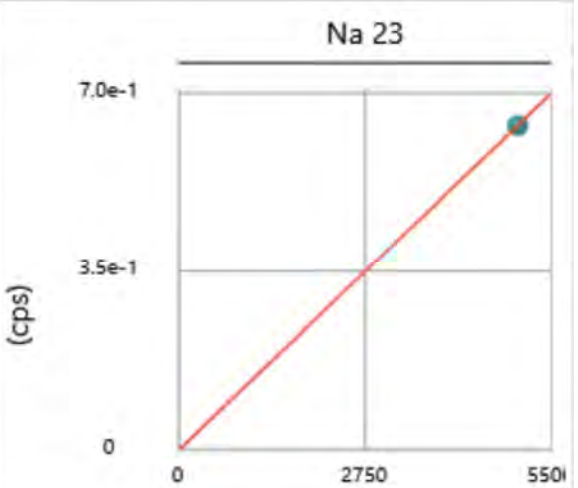
Eqn. : y = 0.028x + 0.000
Cor.Coeff. : 0.999454
BEC : -0.000047 ug/L
DL : 0.007122 ug/L



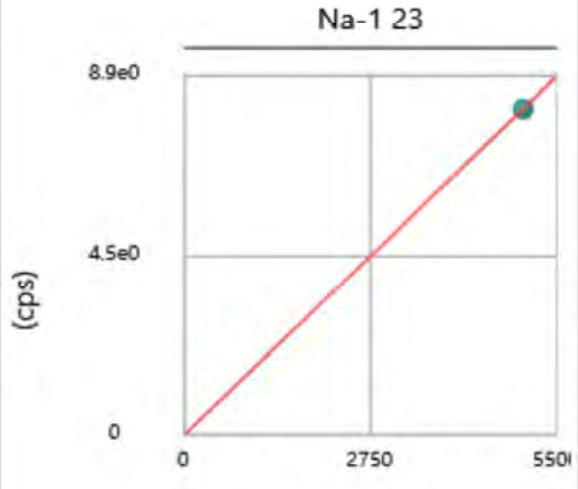
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999251
BEC : -0.000255 ug/L
DL : 0.033064 ug/L



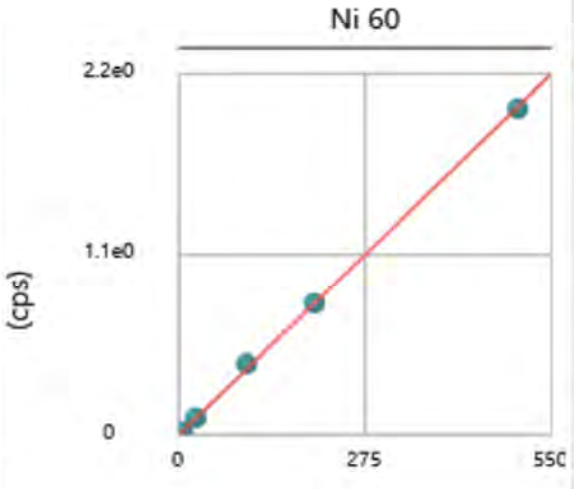
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999798
BEC : 0.000066 ug/L
DL : 0.020846 ug/L



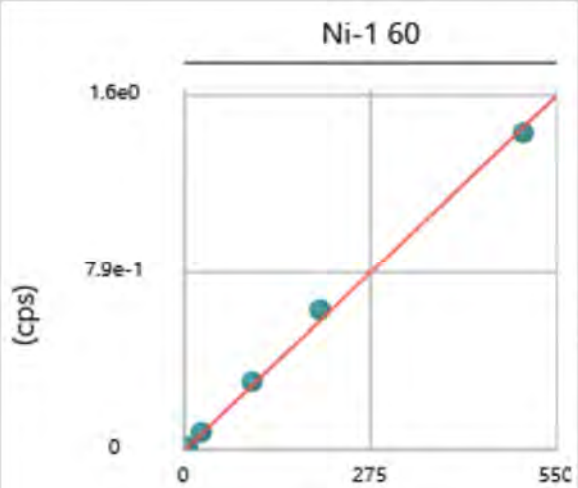
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.004546 ug/L
DL : 0.582829 ug/L



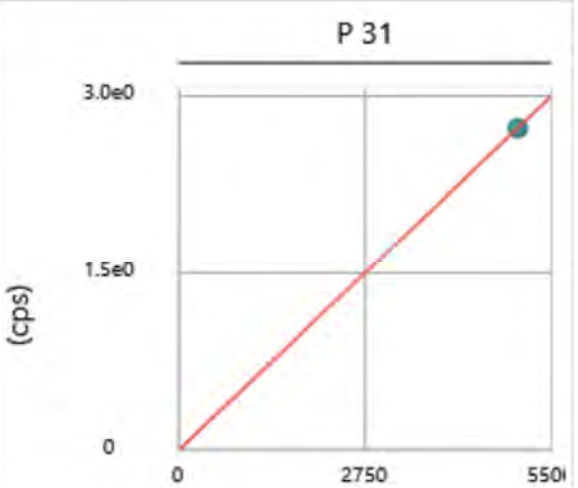
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.000098 mg/L
DL : 0.096408 mg/L



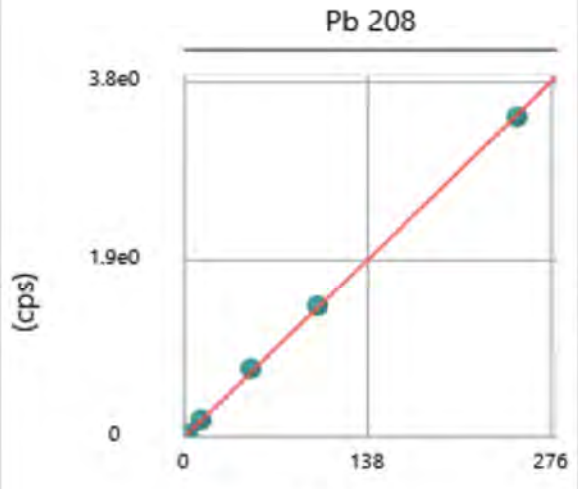
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999863
BEC : 0.000003 ug/L
DL : 0.019508 ug/L



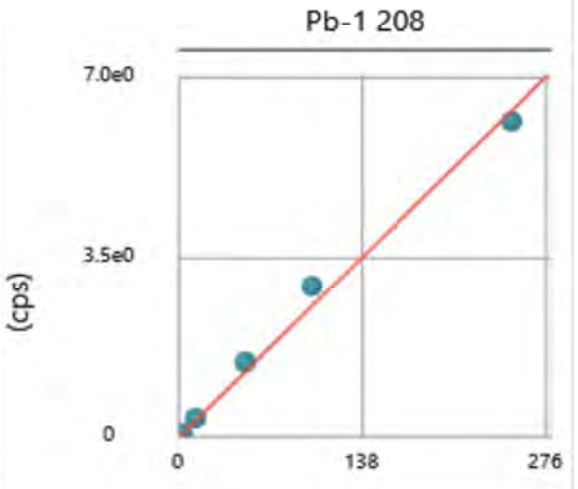
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999338
BEC : -0.000003 ug/L
DL : 0.034963 ug/L



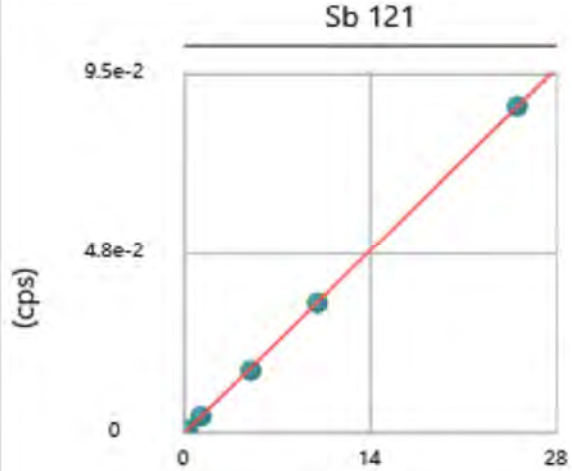
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 3.012276 ug/L
DL : 518.699909 ug/L



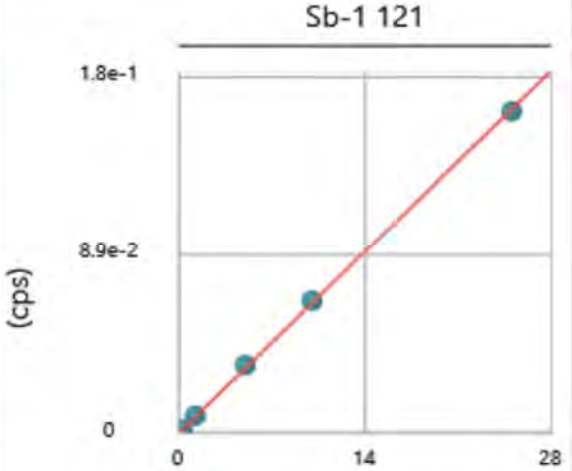
Eqn. : y = 0.014x + 0.000
Cor.Coeff. : 0.999884
BEC : 0.000014 ug/L
DL : 0.002020 ug/L



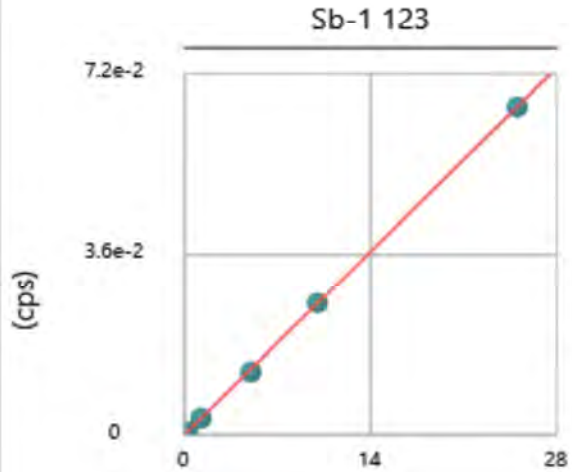
Eqn. : y = 0.025x + 0.000
Cor.Coeff. : 0.997540
BEC : 0.000010 ug/L
DL : 0.002514 ug/L



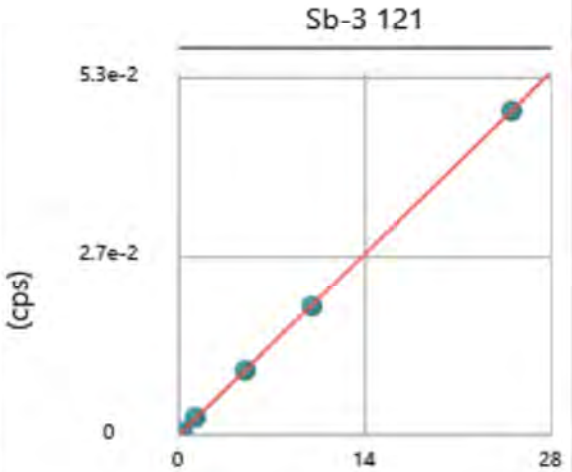
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999971
BEC : -0.000003 ug/L
DL : 0.002990 ug/L



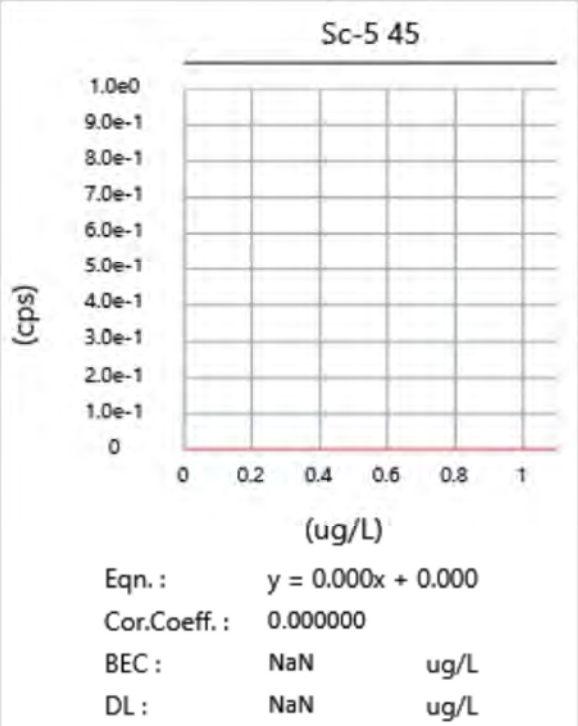
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999906
BEC : -0.000016 ug/L
DL : 0.002071 ug/L



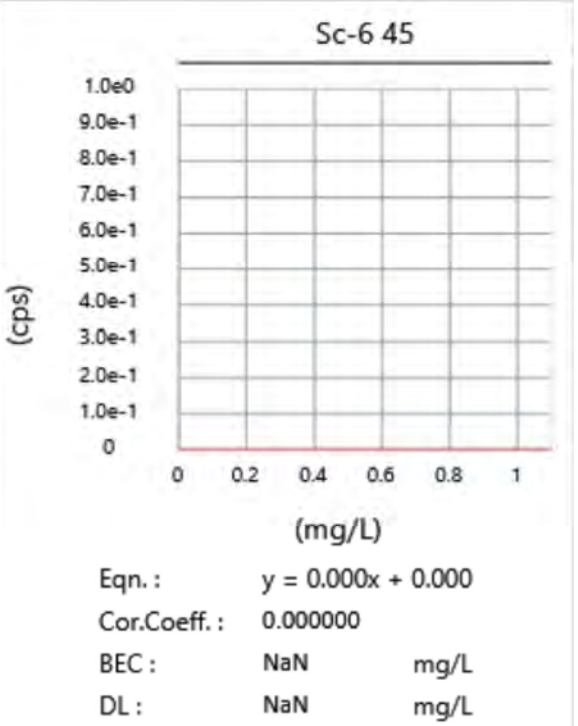
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999972
BEC : -0.000012 ug/L
DL : 0.003674 ug/L



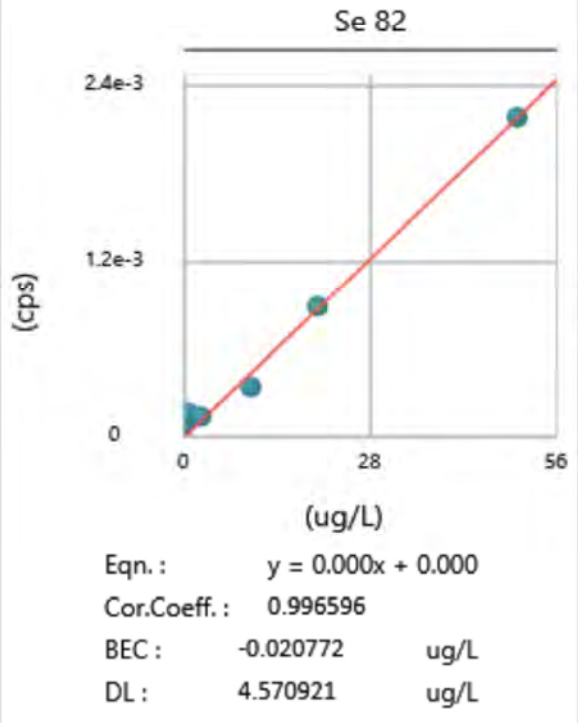
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999985
BEC : 0.000024 ug/L
DL : 0.009036 ug/L



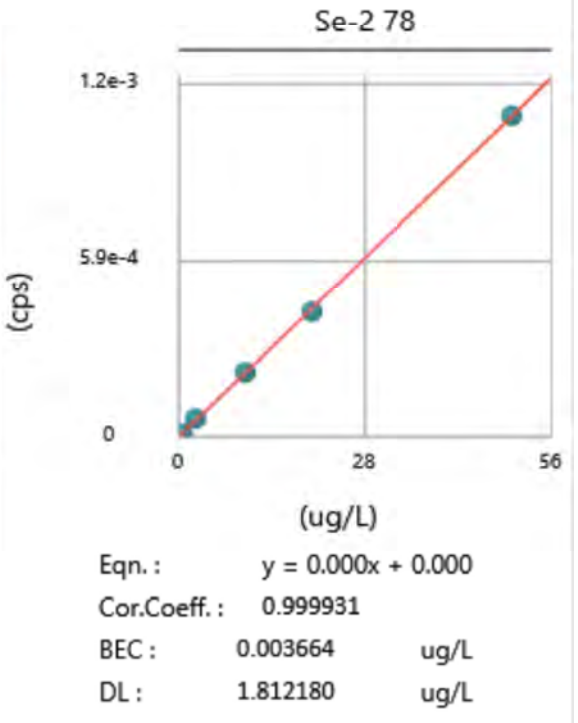
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



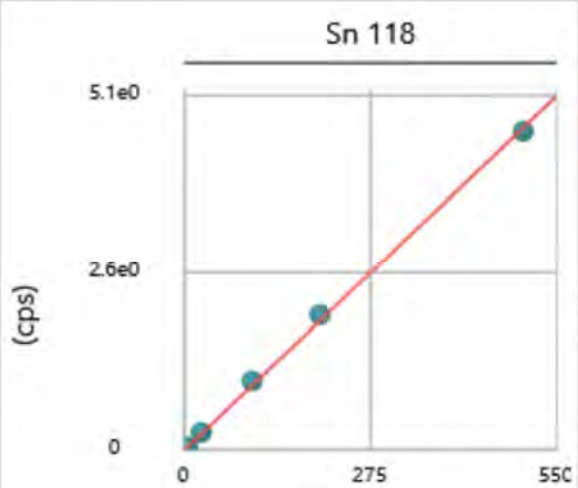
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN mg/L
DL : NaN mg/L



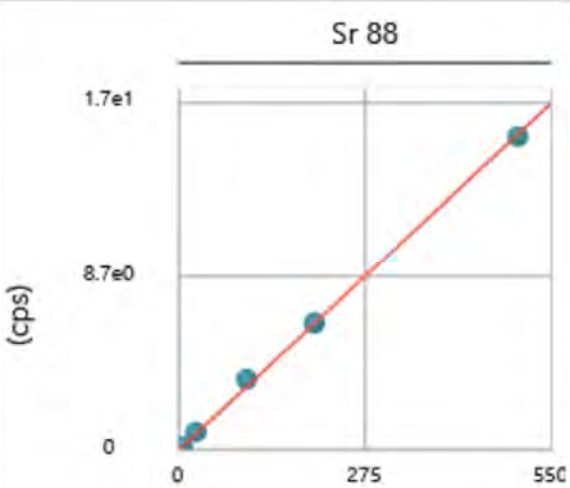
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.996596
BEC : -0.020772 ug/L
DL : 4.570921 ug/L



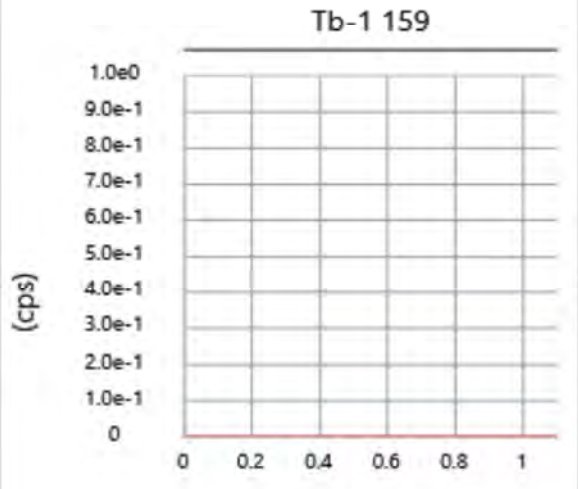
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999931
BEC : 0.003664 ug/L
DL : 1.812180 ug/L



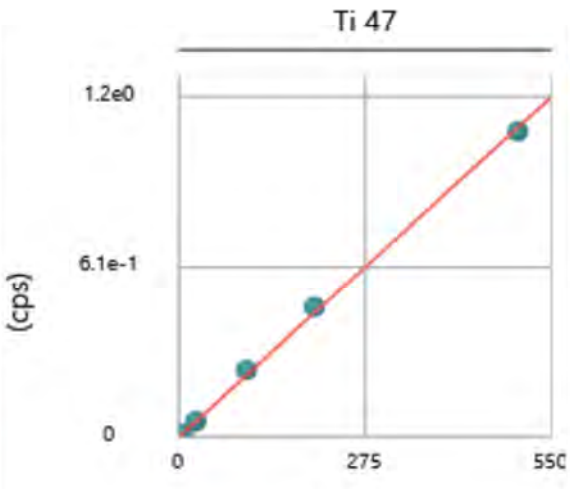
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999707
BEC : -0.000123 ug/L
DL : 0.032538 ug/L



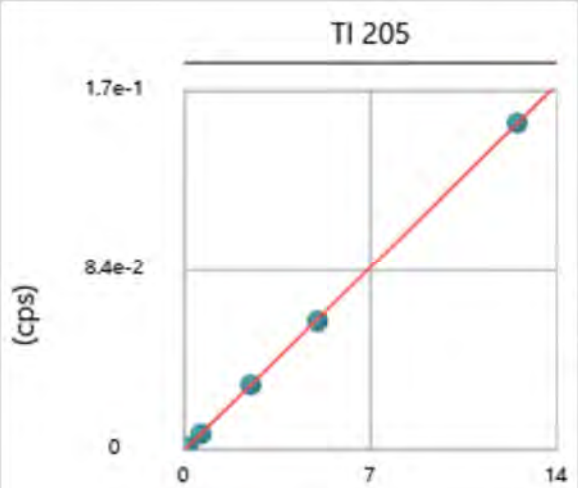
Eqn. : y = 0.031x + 0.000
Cor.Coeff. : 0.999700
BEC : 0.000001 ug/L
DL : 0.000373 ug/L



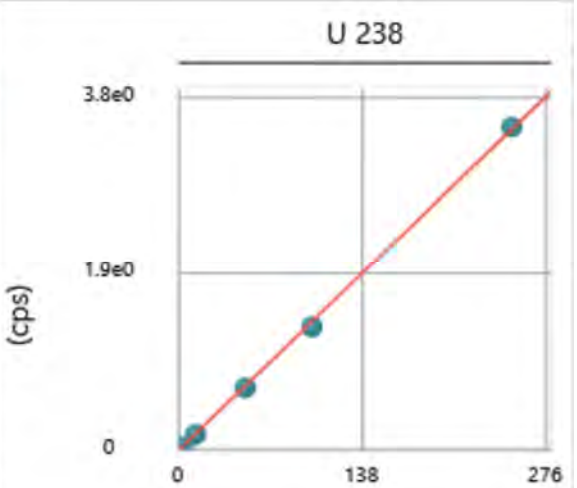
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



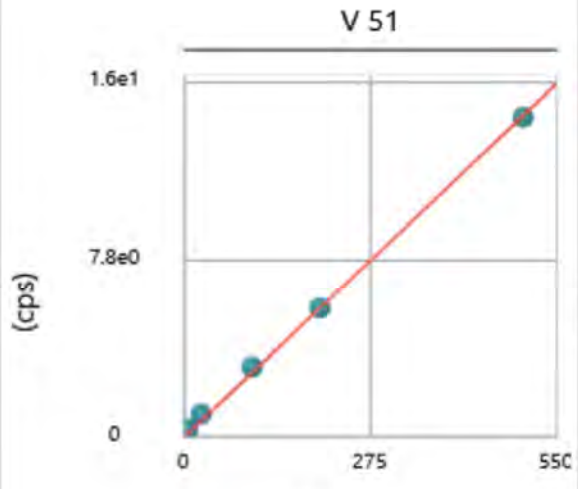
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999654
BEC : -0.000045 ug/L
DL : 0.012290 ug/L



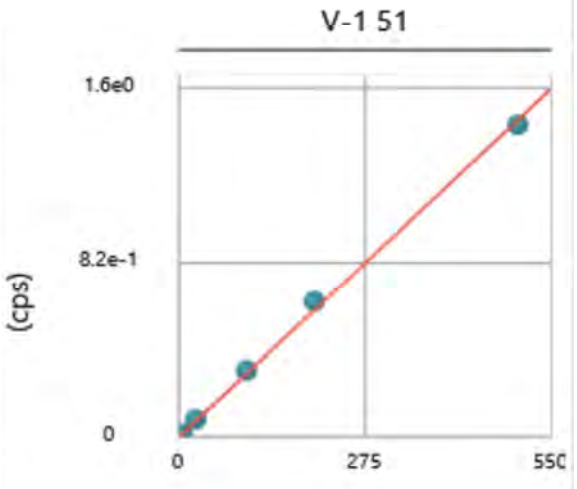
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999985
BEC : 0.000000 ug/L
DL : 0.000656 ug/L



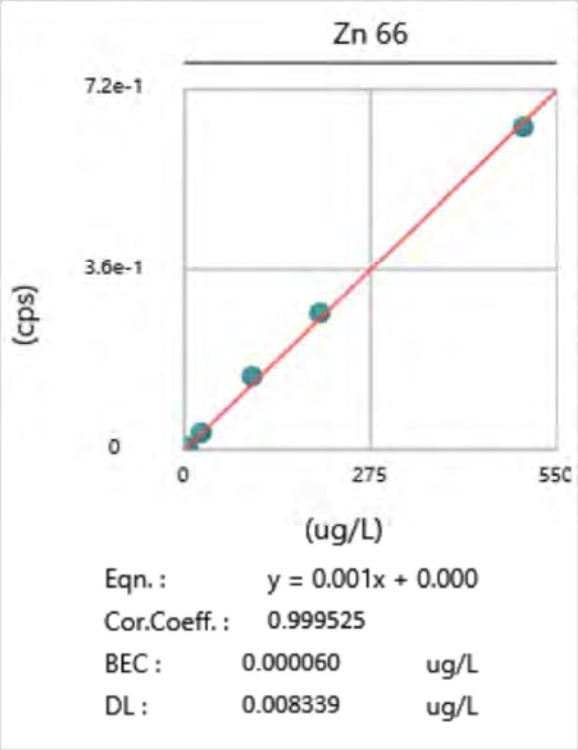
Eqn. : y = 0.014x + 0.000
Cor.Coeff. : 0.999861
BEC : 0.000003 ug/L
DL : 0.000649 ug/L

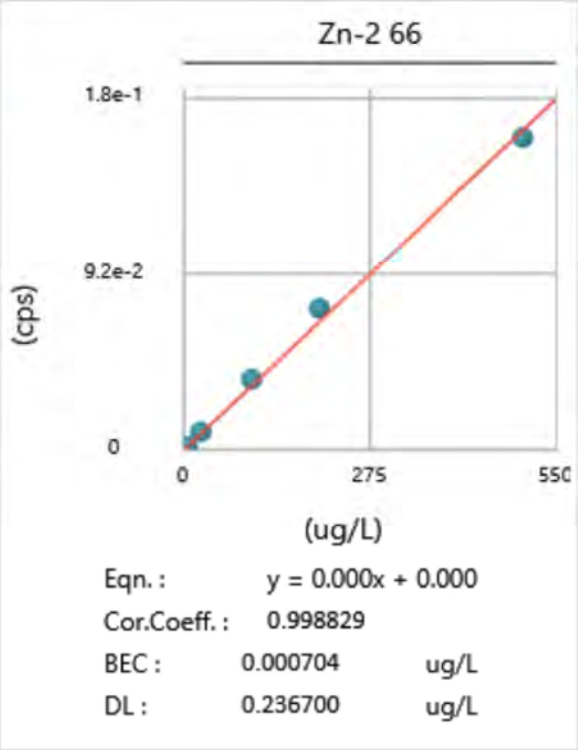


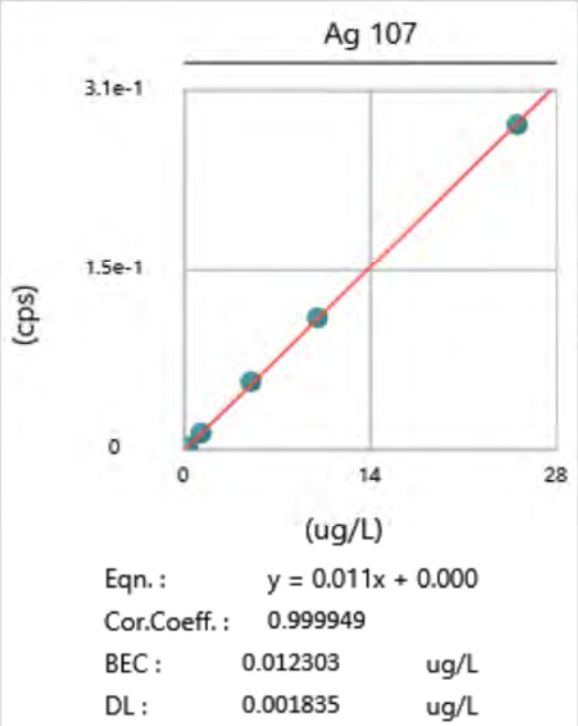
Eqn. : y = 0.028x + 0.000
Cor.Coeff. : 0.999404
BEC : -0.001630 ug/L
DL : 1.063298 ug/L



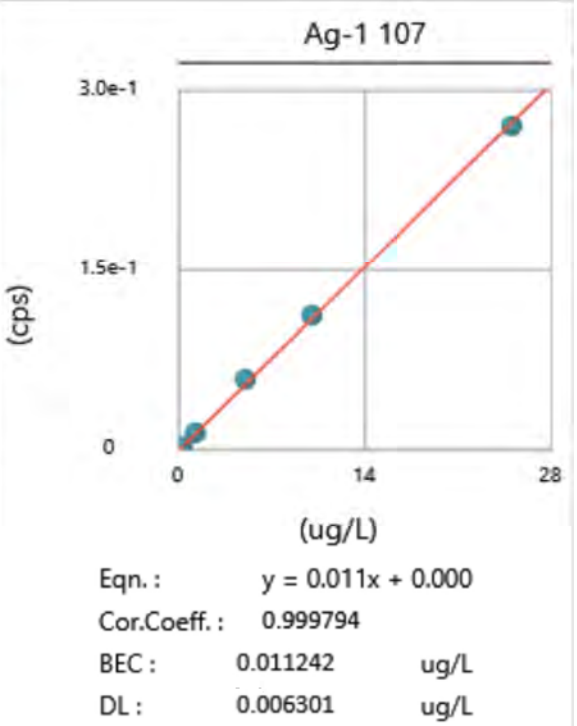
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999524
BEC : 0.000372 ug/L
DL : 0.059542 ug/L


Zn 66
7.2e-1
3.6e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999525
BEC : 0.000060 ug/L
DL : 0.008339 ug/L

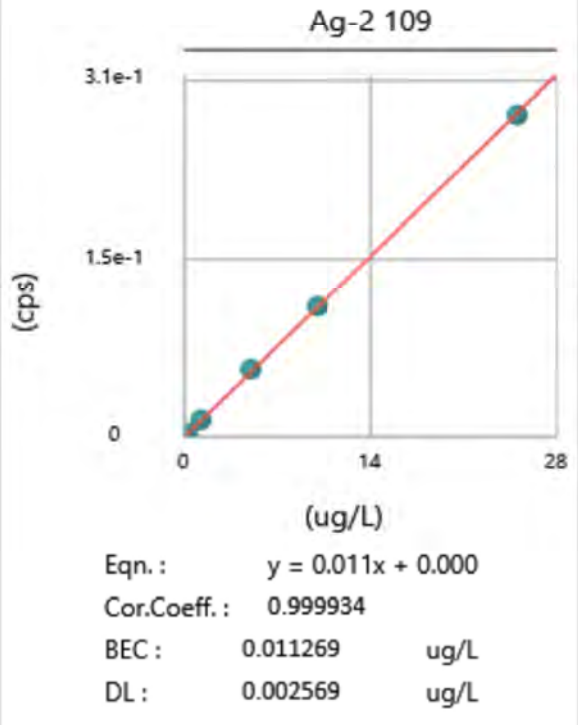

Zn-2 66
1.8e-1
9.2e-2
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.998829
BEC : 0.000704 ug/L
DL : 0.236700 ug/L



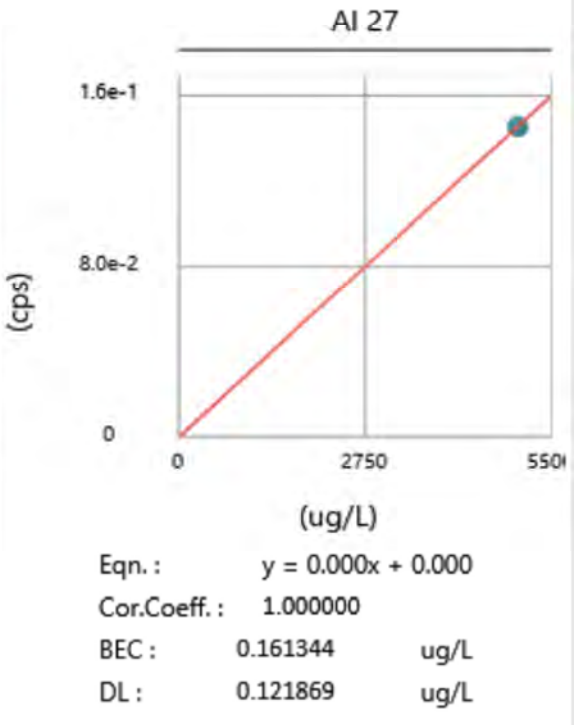
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999949
BEC : 0.012303 ug/L
DL : 0.001835 ug/L



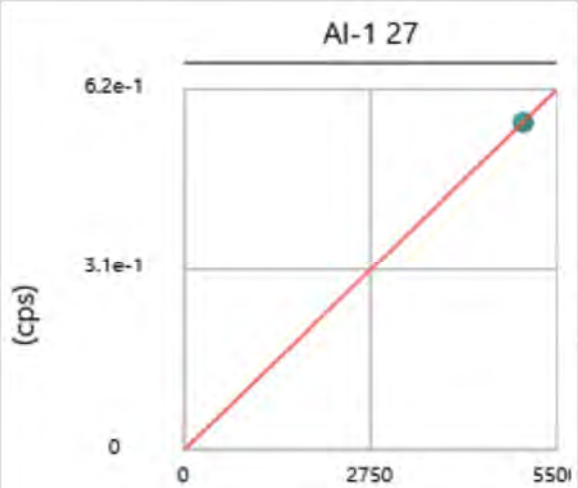
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999794
BEC : 0.011242 ug/L
DL : 0.006301 ug/L



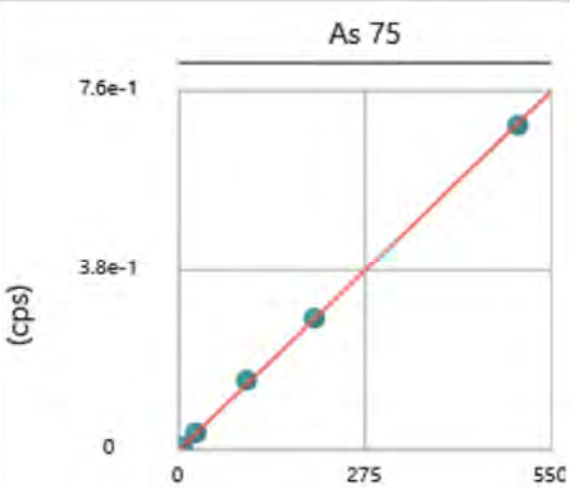
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999934
BEC : 0.011269 ug/L
DL : 0.002569 ug/L



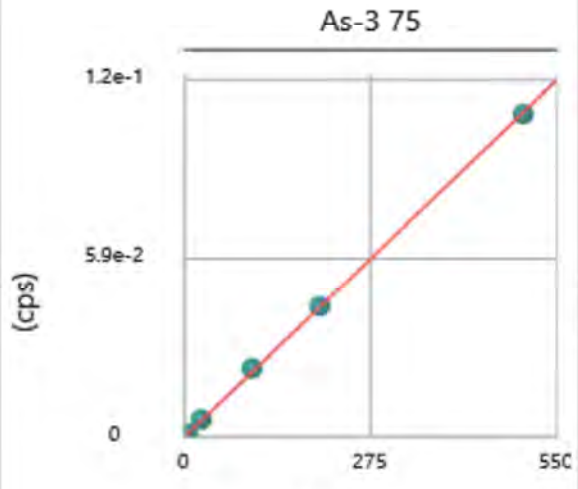
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.161344 ug/L
DL : 0.121869 ug/L



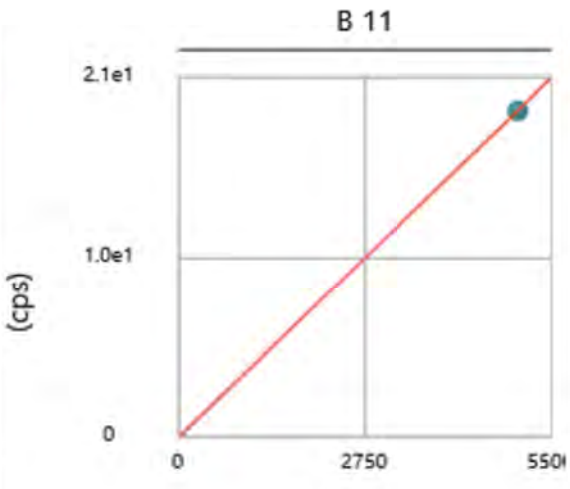
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.220966 mg/L
DL : 0.165994 mg/L



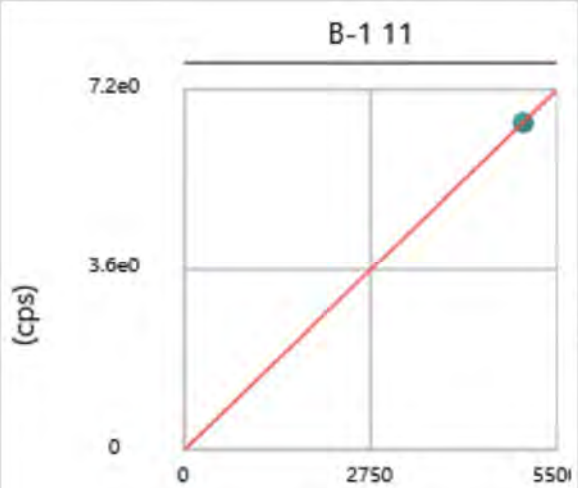
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999900
BEC : 2.975501 ug/L
DL : 0.915547 ug/L



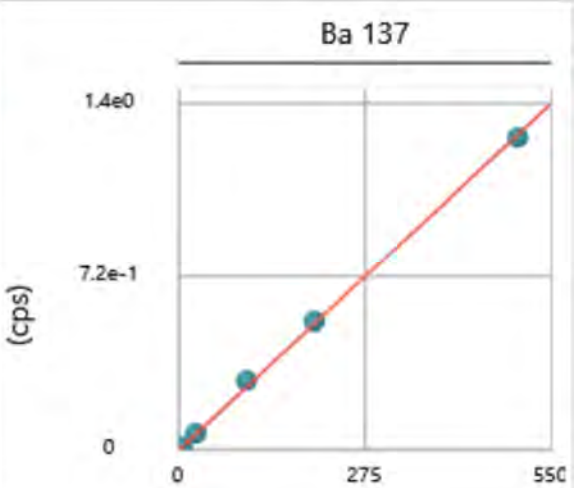
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999923
BEC : 0.045238 ug/L
DL : 0.092884 ug/L



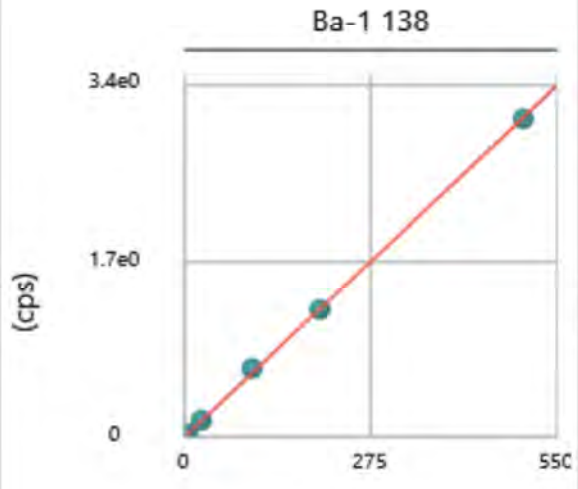
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.156203 ug/L
DL : 0.023843 ug/L



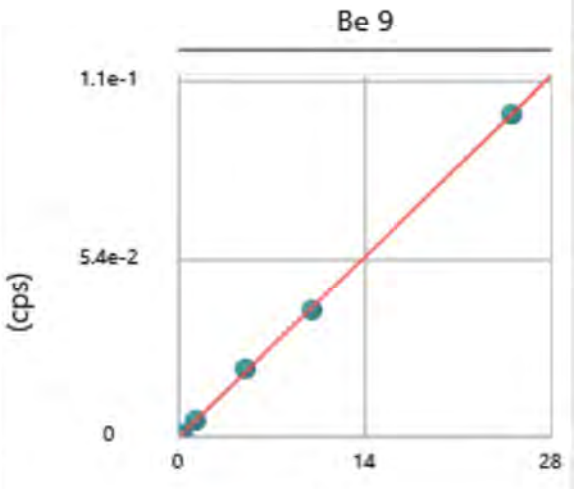
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.125973 ug/L
DL : 0.327403 ug/L



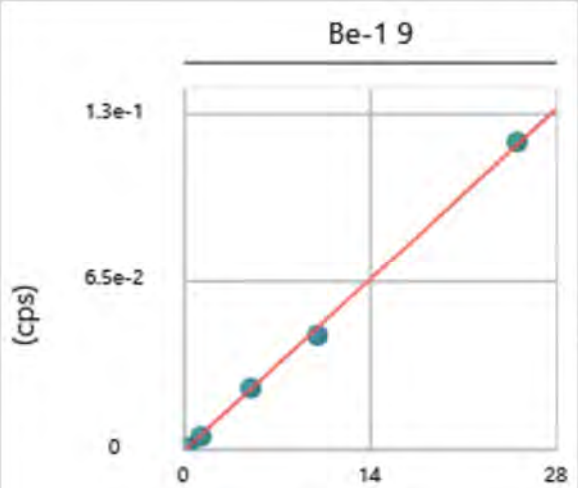
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999758
BEC : 0.009648 ug/L
DL : 0.003285 ug/L



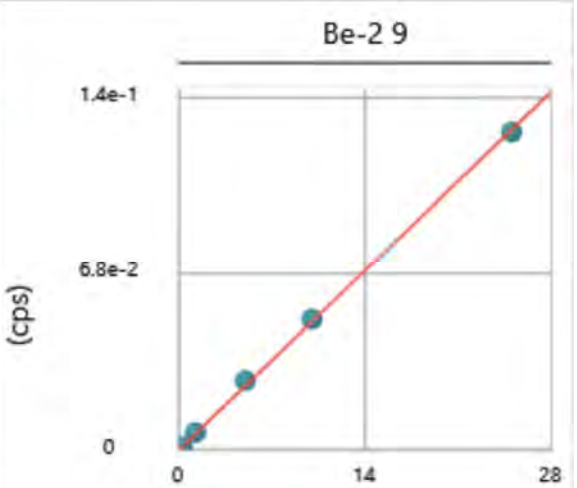
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999892
BEC : 0.006878 mg/L
DL : 0.010367 mg/L



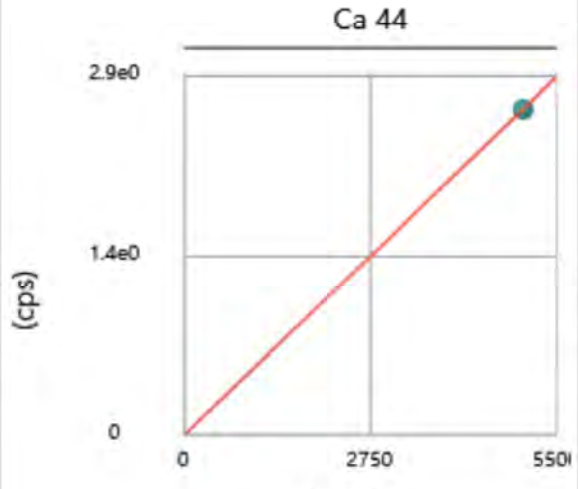
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999917
BEC : 0.000515 ug/L
DL : 0.001369 ug/L



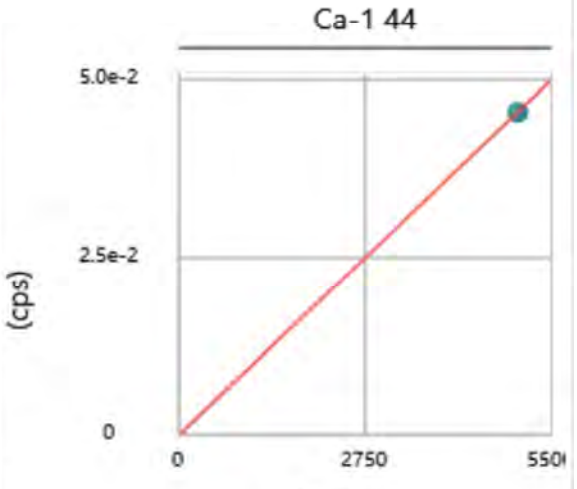
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999693
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



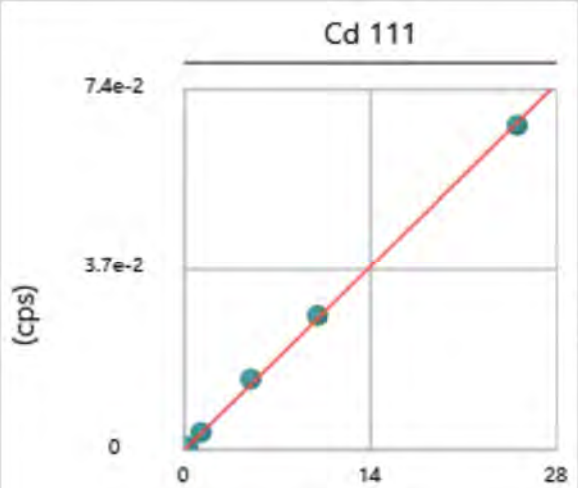
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999818
BEC : 0.000539 ug/L
DL : 0.001434 ug/L



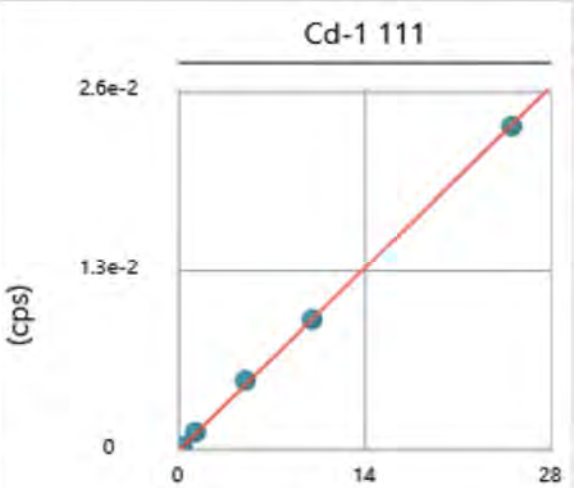
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 38.447541 ug/L
DL : 1.451094 ug/L



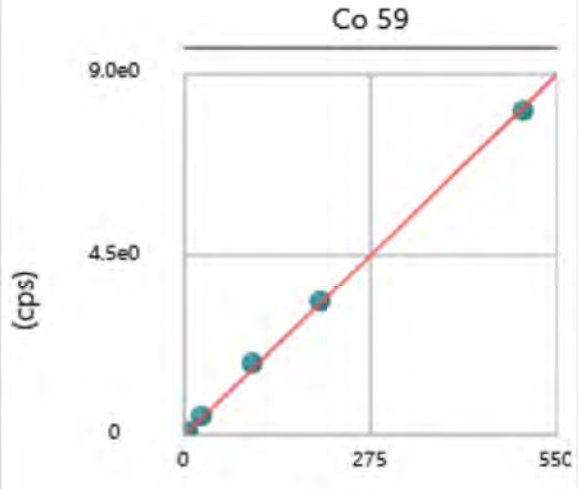
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 3.637445 mg/L
DL : 1.378717 mg/L



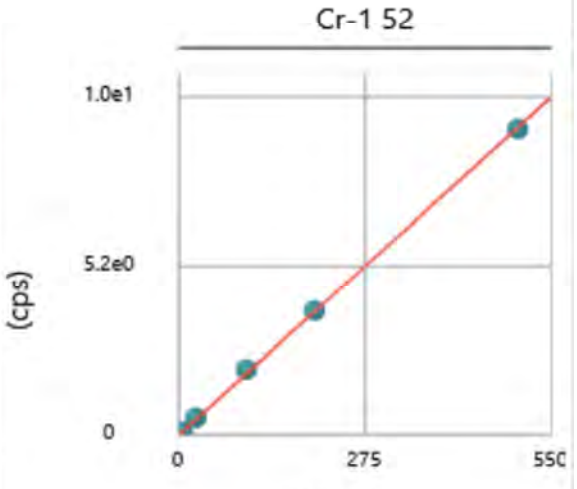
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999807
BEC : 0.001059 ug/L
DL : 0.002930 ug/L



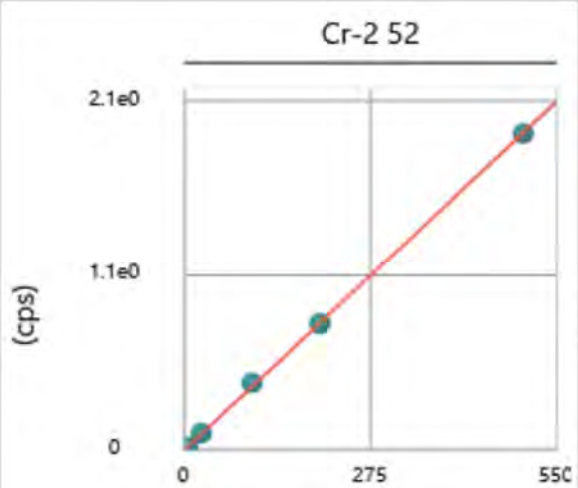
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999895
BEC : 0.009123 mg/L
DL : 0.027395 mg/L



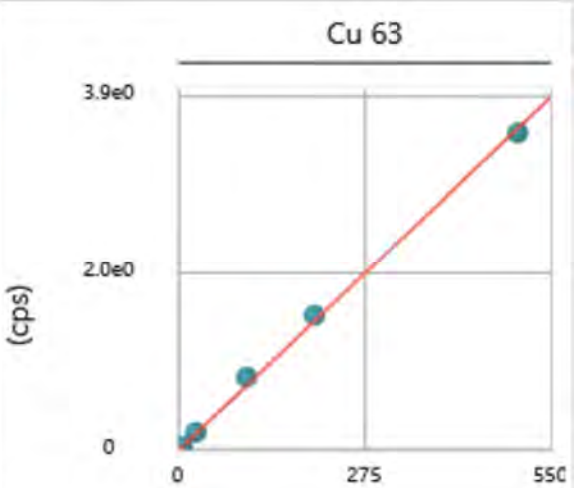
Eqn. : y = 0.016x + 0.000
Cor.Coeff. : 0.999751
BEC : 0.002783 ug/L
DL : 0.002945 ug/L



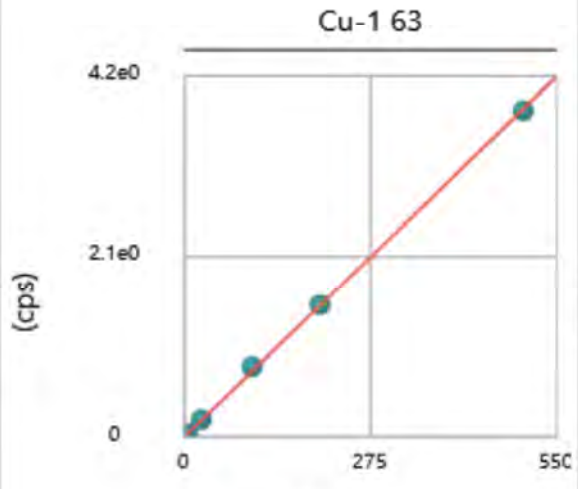
Eqn. : y = 0.019x + 0.000
Cor.Coeff. : 0.999893
BEC : 1.858827 ug/L
DL : 0.104961 ug/L



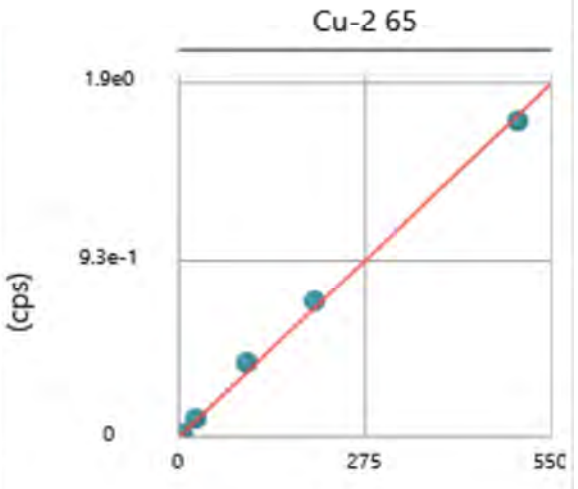
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999932
BEC : 0.018822 ug/L
DL : 0.018903 ug/L



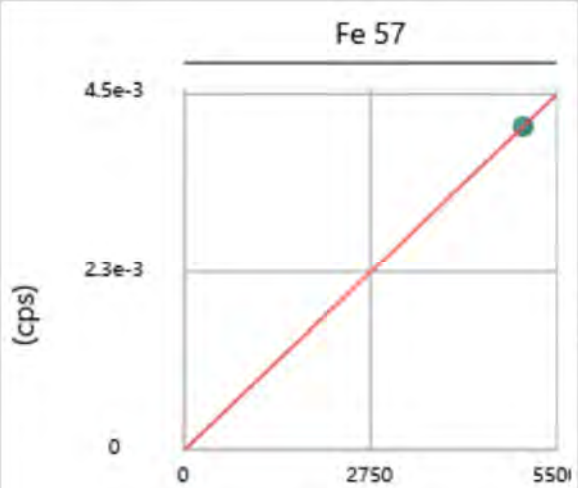
Eqn. : y = 0.007x + 0.000
Cor.Coeff. : 0.999471
BEC : 0.145540 ug/L
DL : 0.037805 ug/L



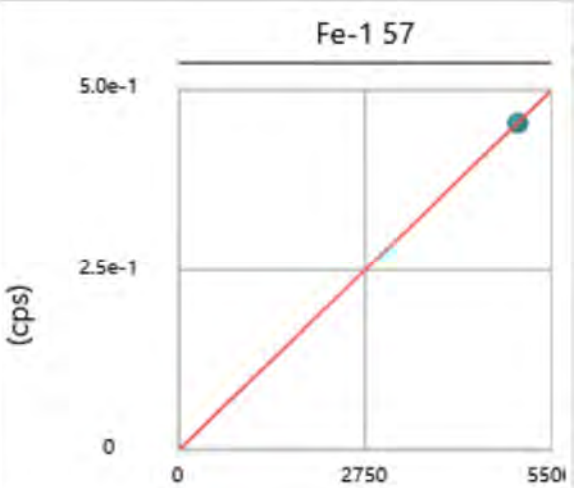
Eqn. : y = 0.008x + 0.000
Cor.Coeff. : 0.999890
BEC : 0.020963 ug/L
DL : 0.011041 ug/L



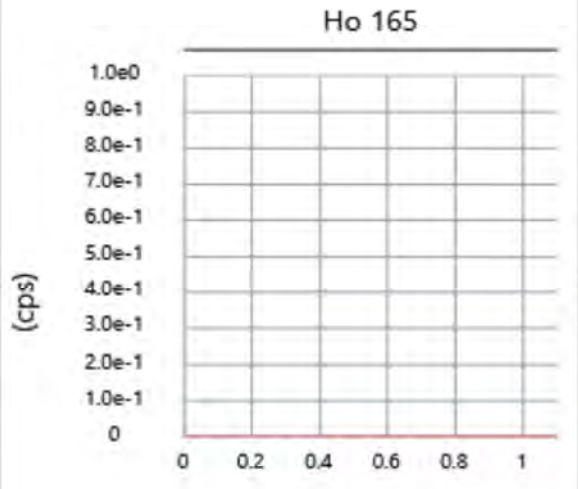
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999234
BEC : 0.024898 ug/L
DL : 0.005900 ug/L



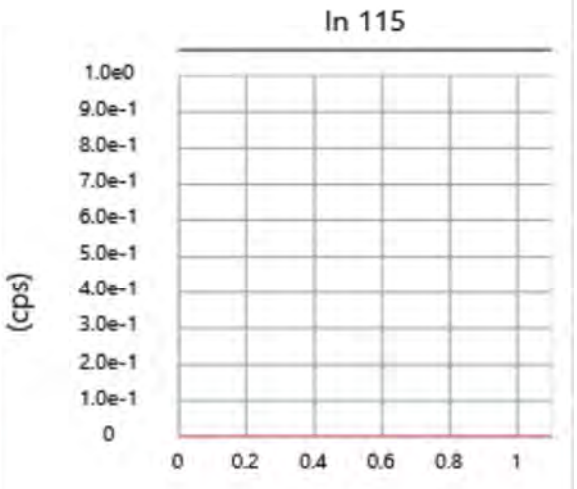
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 33.551466 ug/L
DL : 31.270375 ug/L



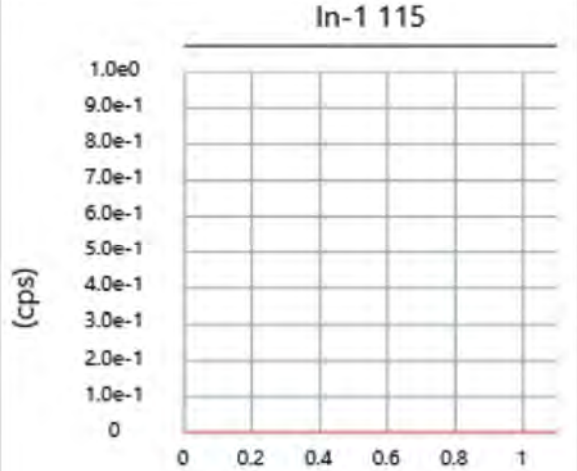
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.392150 ug/L
DL : 0.407426 ug/L



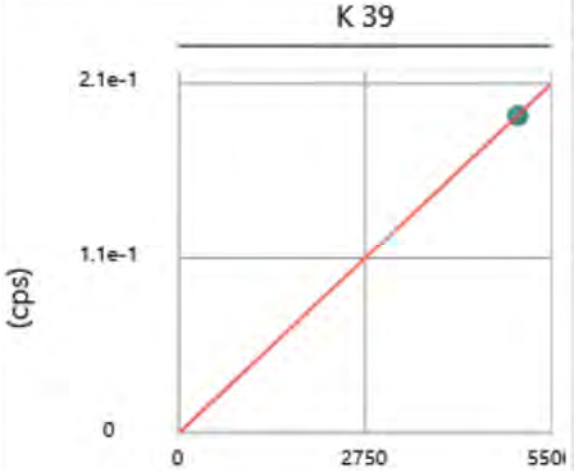
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



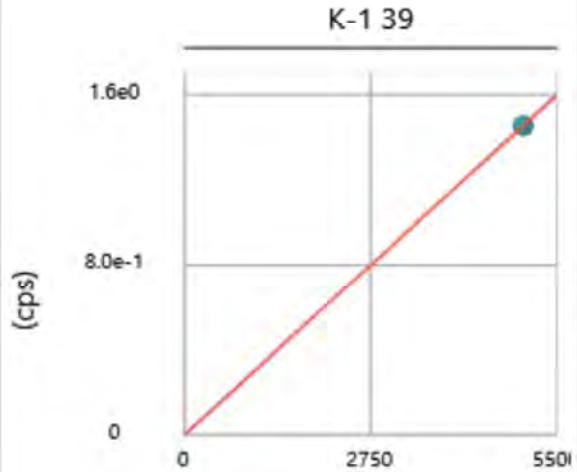
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



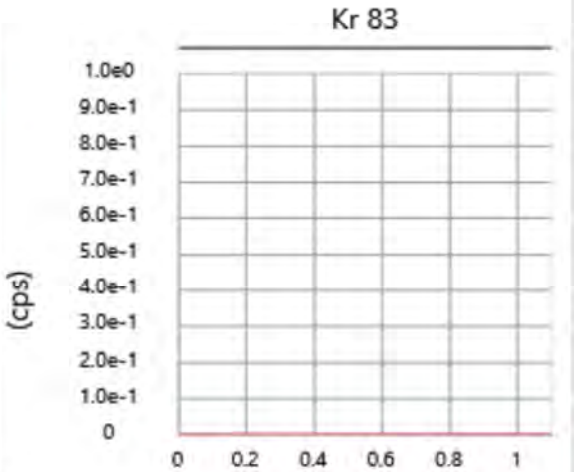
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



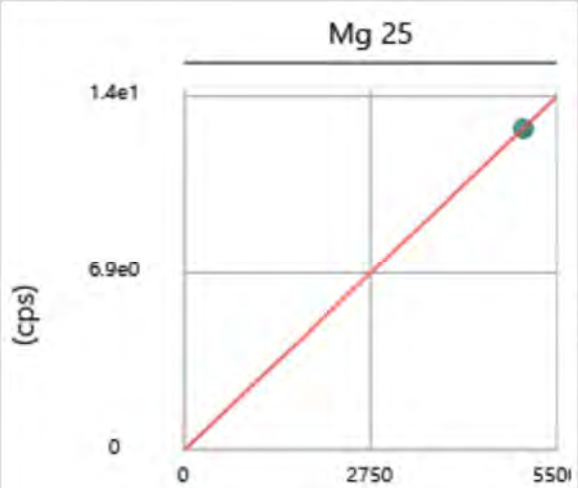
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 42.623646 ug/L
DL : 5.222356 ug/L



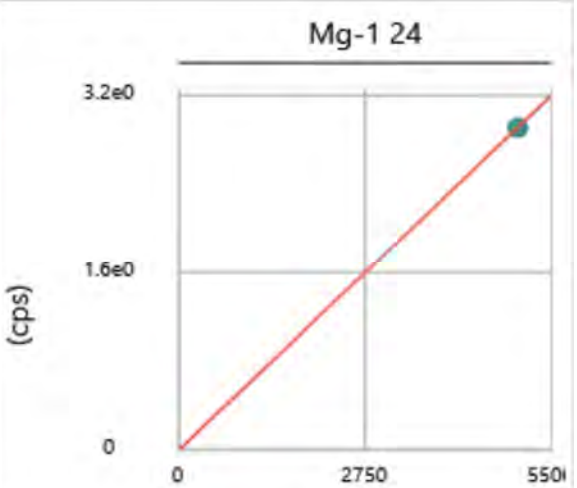
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 71.404641 mg/L
DL : 9.402612 mg/L



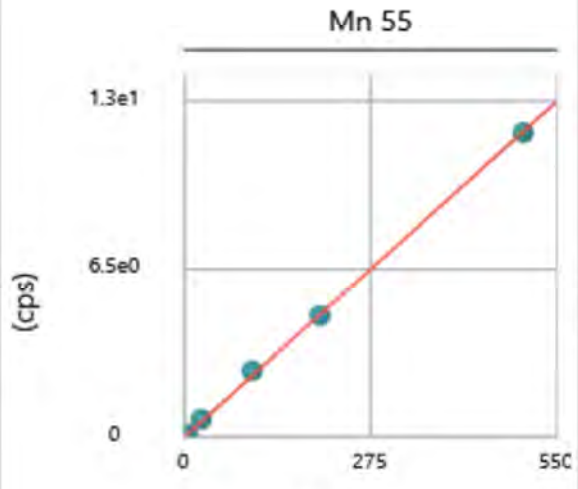
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



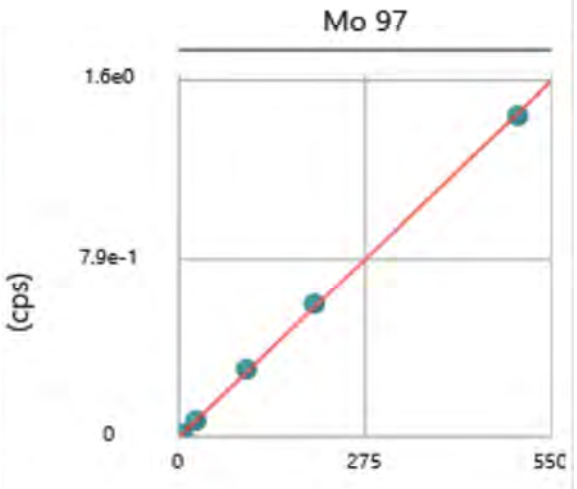
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.111807 ug/L
DL : 0.016136 ug/L



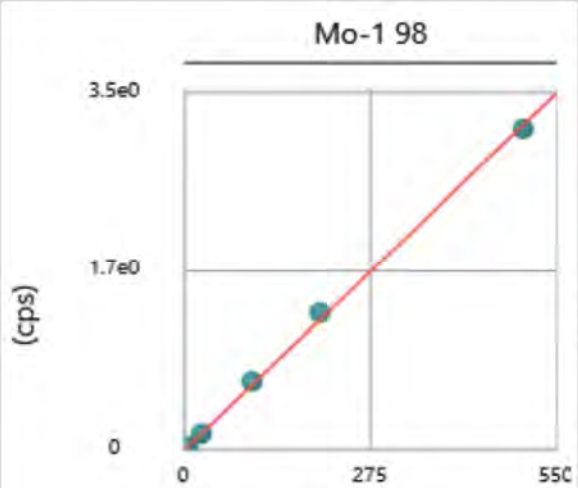
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.072329 mg/L
DL : 0.054526 mg/L



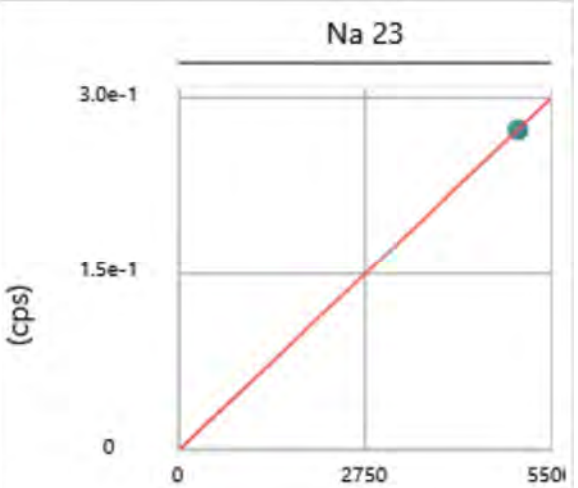
Eqn. : y = 0.024x + 0.000
Cor.Coeff. : 0.999837
BEC : 0.612558 ug/L
DL : 0.113811 ug/L



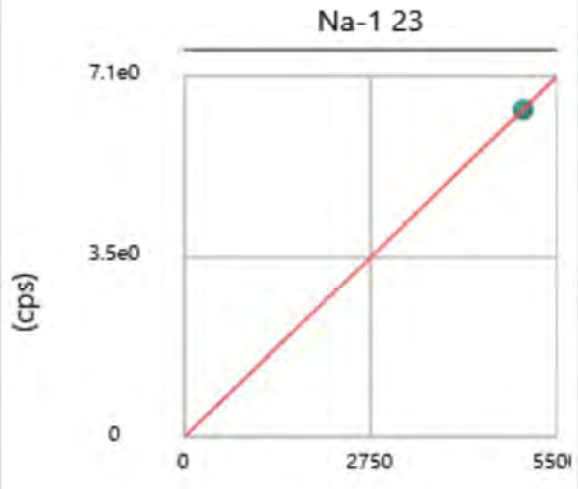
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999886
BEC : 0.078082 ug/L
DL : 0.024015 ug/L



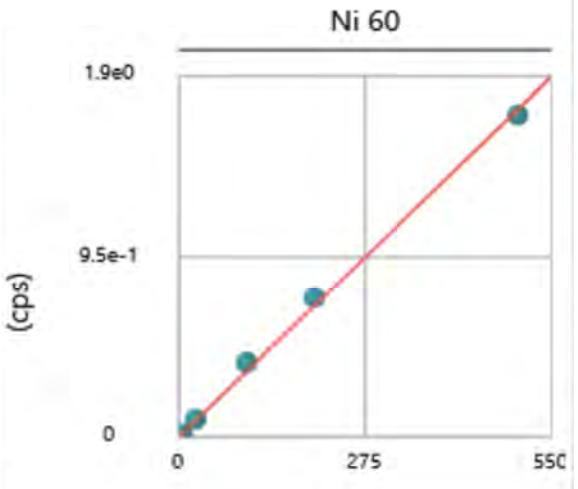
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999694
BEC : 0.042425 ug/L
DL : 0.028565 ug/L



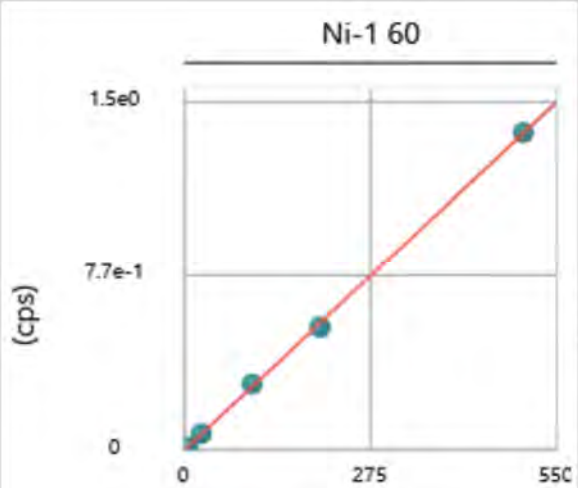
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 3.308083 ug/L
DL : 1.493473 ug/L



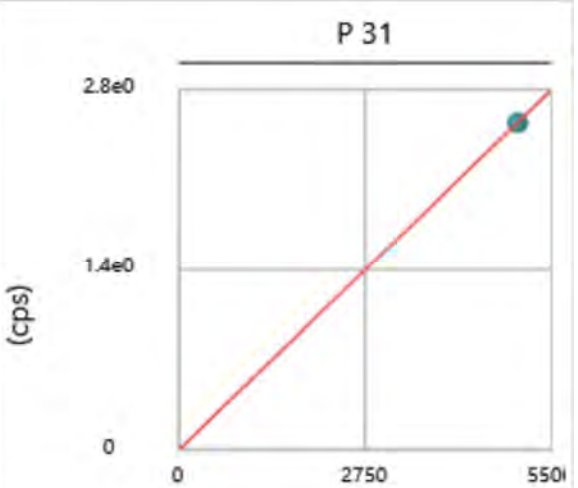
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 2.196028 mg/L
DL : 0.515135 mg/L



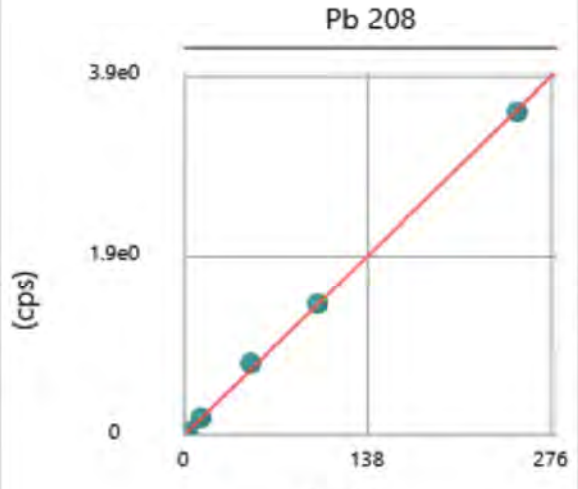
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999291
BEC : 0.018812 ug/L
DL : 0.016699 ug/L



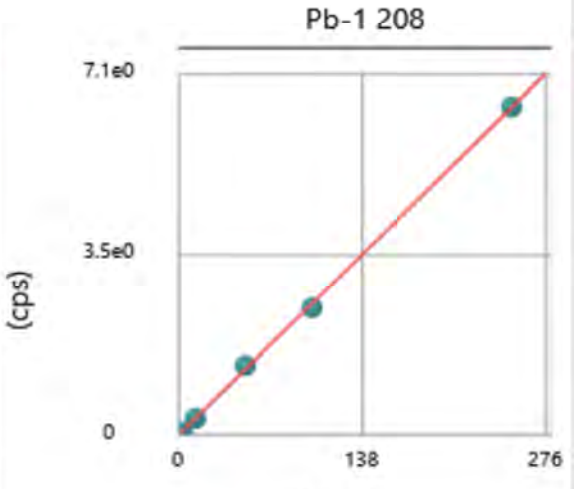
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999897
BEC : 0.016889 ug/L
DL : 0.023368 ug/L



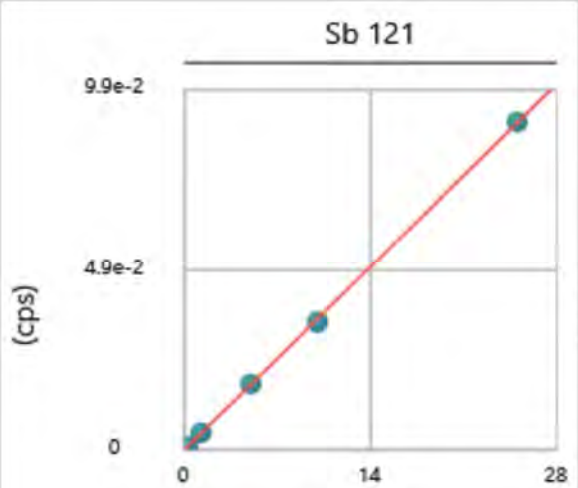
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 1247.258357 ug/L
DL : 197.055910 ug/L



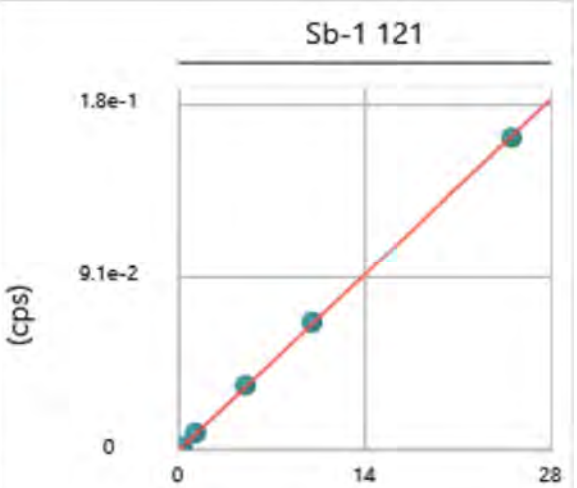
Eqn. : y = 0.014x + 0.000
Cor.Coeff. : 0.999793
BEC : 0.007767 ug/L
DL : 0.001622 ug/L



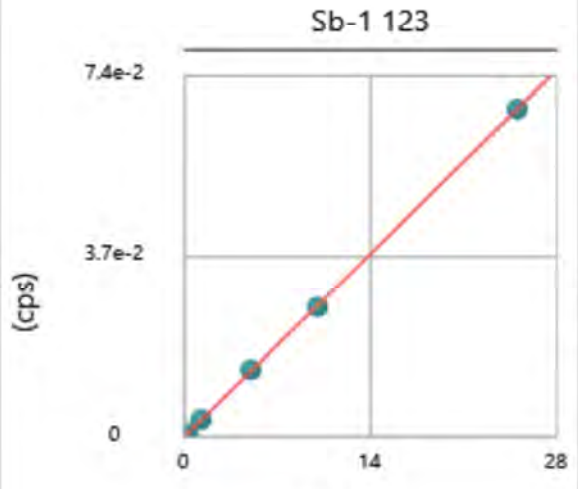
Eqn. : y = 0.026x + 0.000
Cor.Coeff. : 0.999876
BEC : 0.009219 ug/L
DL : 0.001811 ug/L



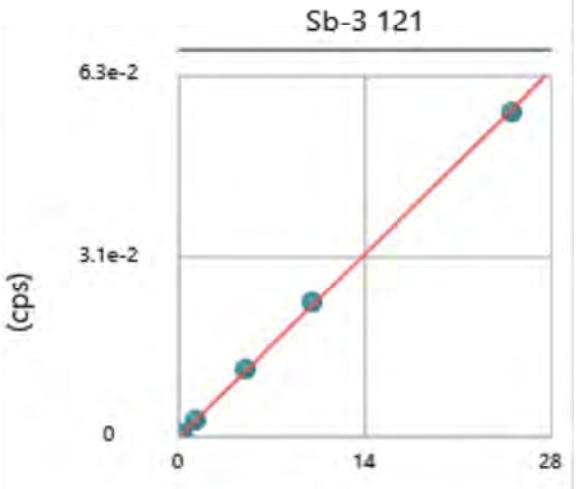
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999947
BEC : 0.009278 ug/L
DL : 0.002908 ug/L



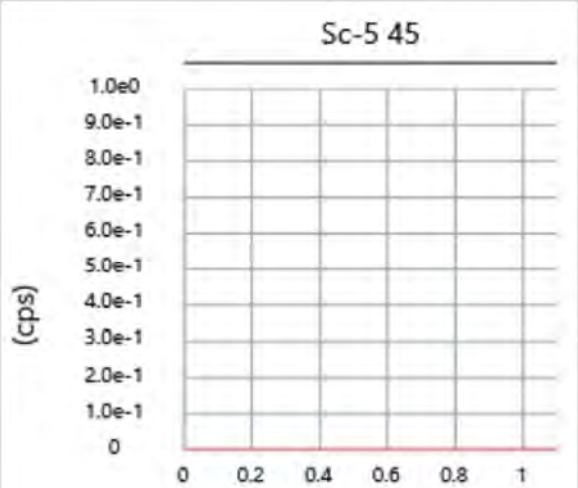
Eqn. : y = 0.007x + 0.000
Cor.Coeff. : 0.999946
BEC : 0.009619 ug/L
DL : 0.002693 ug/L



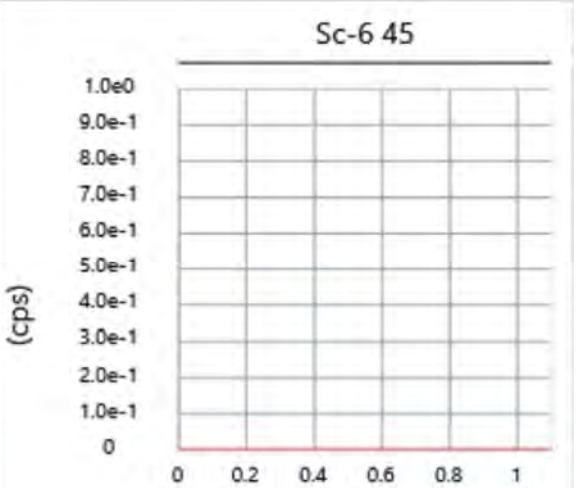
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999976
BEC : 0.010467 ug/L
DL : 0.005706 ug/L



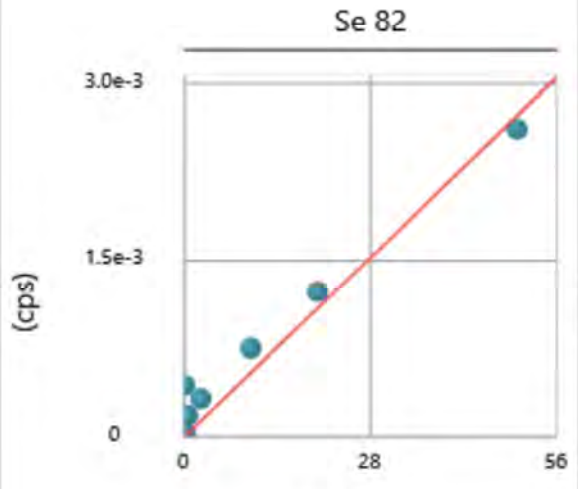
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999896
BEC : 0.008151 ug/L
DL : 0.001749 ug/L



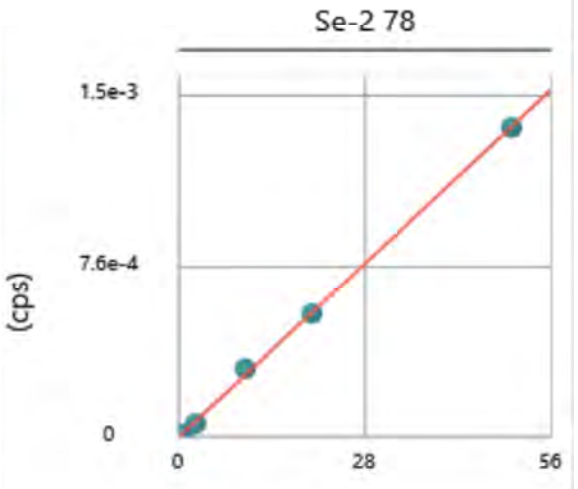
Eqn. :	y = 0.000x + 0.000	
Cor.Coeff. :	0.000000	
BEC :	NaN	ug/L
DL :	NaN	ug/L



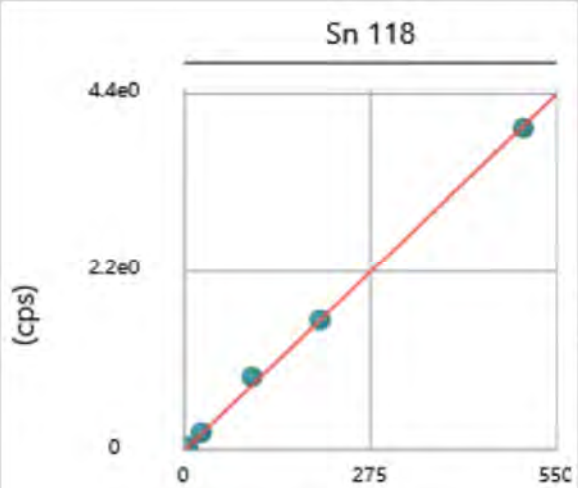
Eqn. :	y = 0.000x + 0.000	
Cor.Coeff. :	0.000000	
BEC :	NaN	mg/L
DL :	NaN	mg/L



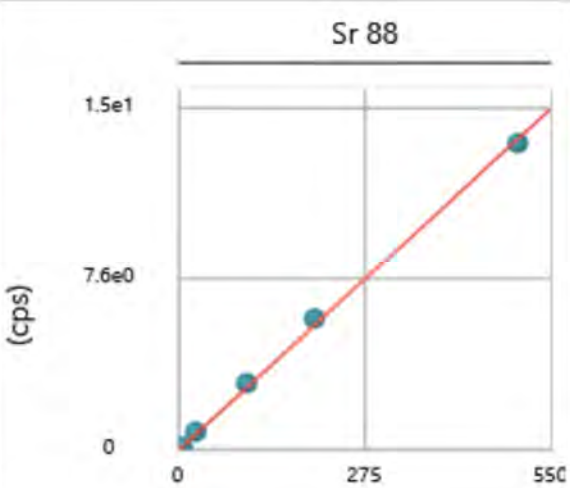
Eqn. :	y = 0.000x + 0.000	
Cor.Coeff. :	0.982048	
BEC :	-49.352291	ug/L
DL :	2.452310	ug/L



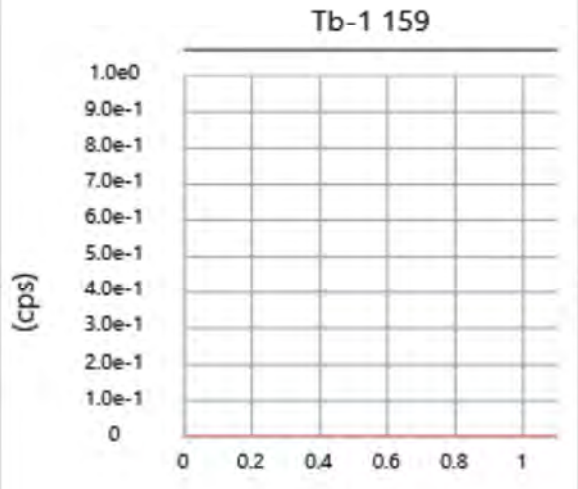
Eqn. :	y = 0.000x + 0.000	
Cor.Coeff. :	0.999792	
BEC :	2.249079	ug/L
DL :	0.389192	ug/L



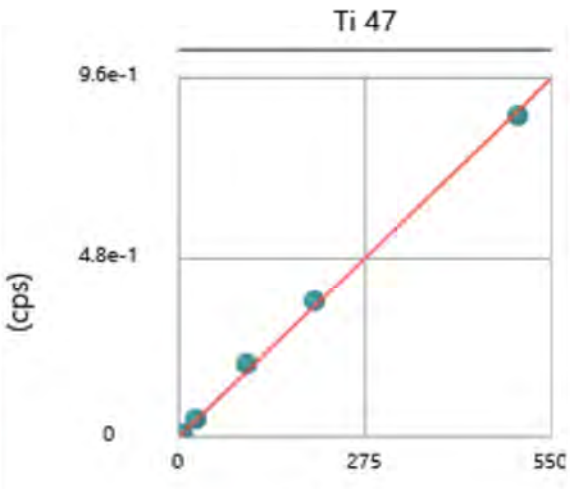
Eqn. : y = 0.008x + 0.000
Cor.Coeff. : 0.999686
BEC : 0.129181 ug/L
DL : 0.003281 ug/L



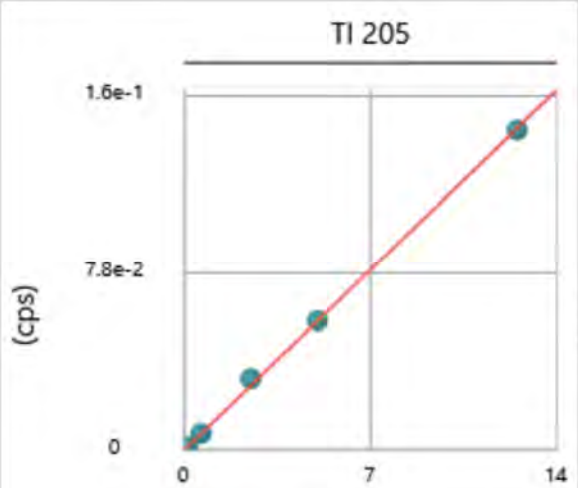
Eqn. : y = 0.028x + 0.000
Cor.Coeff. : 0.999612
BEC : 0.002796 ug/L
DL : 0.000284 ug/L



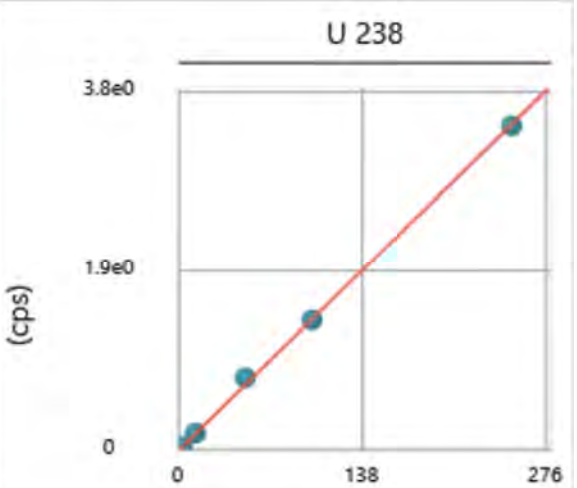
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



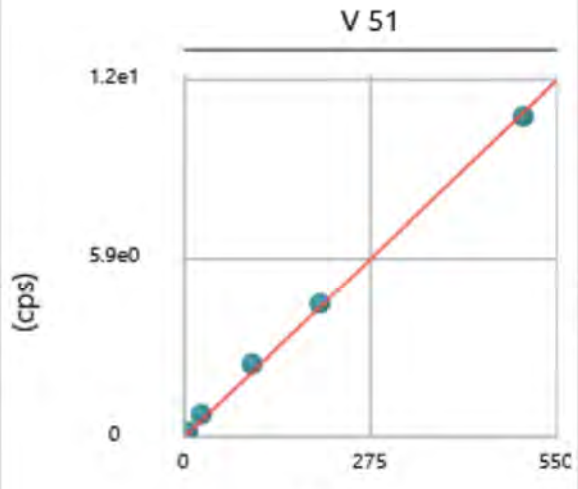
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999530
BEC : 0.182257 ug/L
DL : 0.059987 ug/L



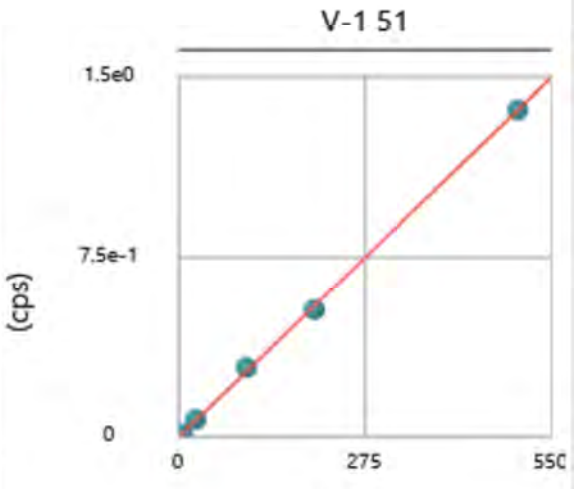
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999779
BEC : 0.000620 ug/L
DL : 0.000952 ug/L



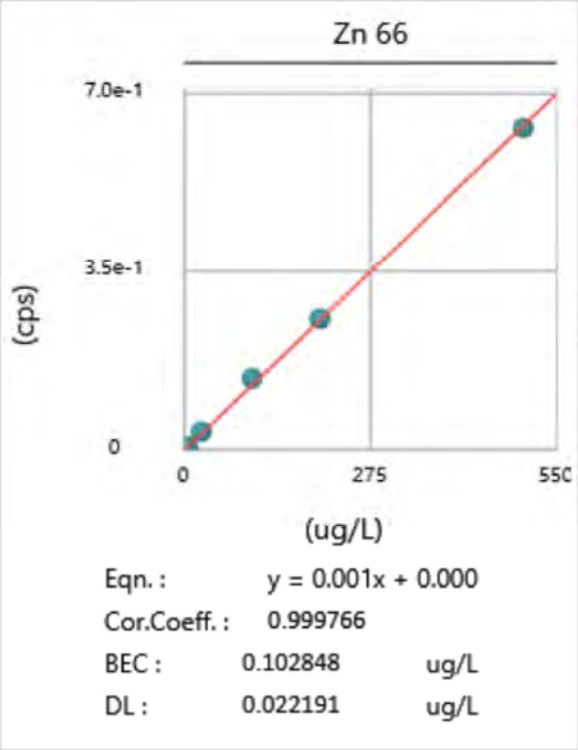
Eqn. : y = 0.014x + 0.000
Cor.Coeff. : 0.999783
BEC : 0.000241 ug/L
DL : 0.000471 ug/L

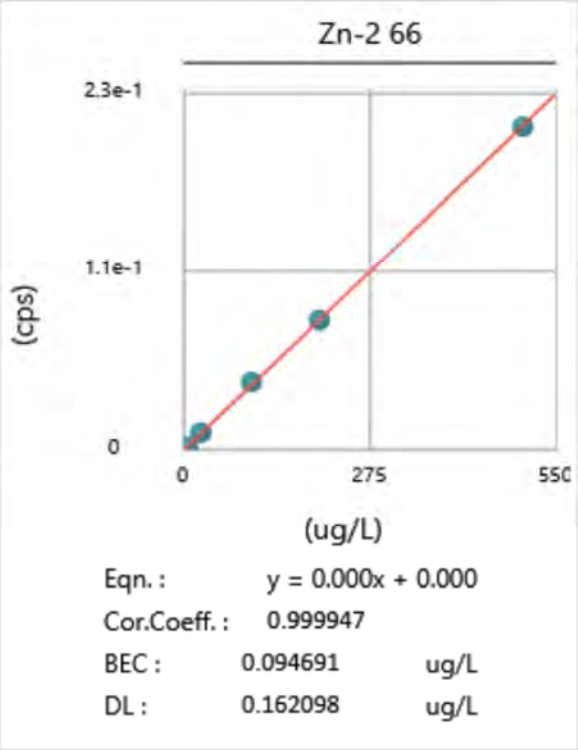


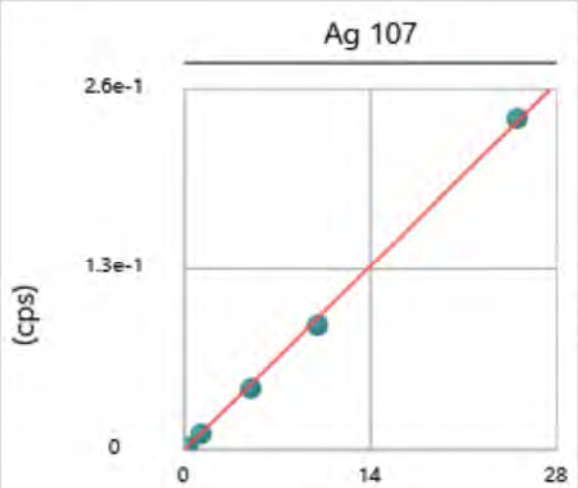
Eqn. : y = 0.022x + 0.000
Cor.Coeff. : 0.998900
BEC : 18.684975 ug/L
DL : 2.317295 ug/L



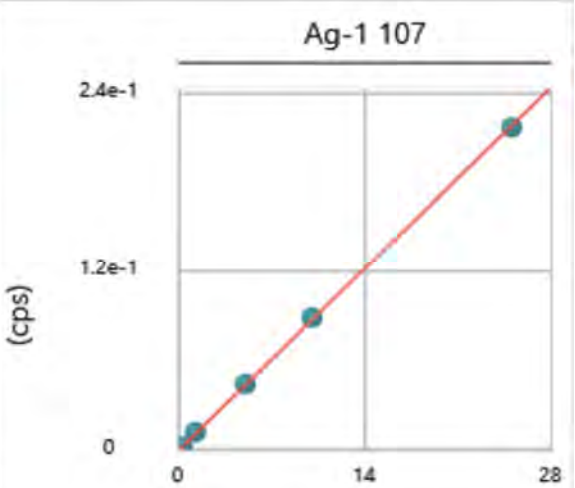
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999865
BEC : 0.138656 ug/L
DL : 0.016652 ug/L


Zn 66
7.0e-1
3.5e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999766
BEC : 0.102848 ug/L
DL : 0.022191 ug/L

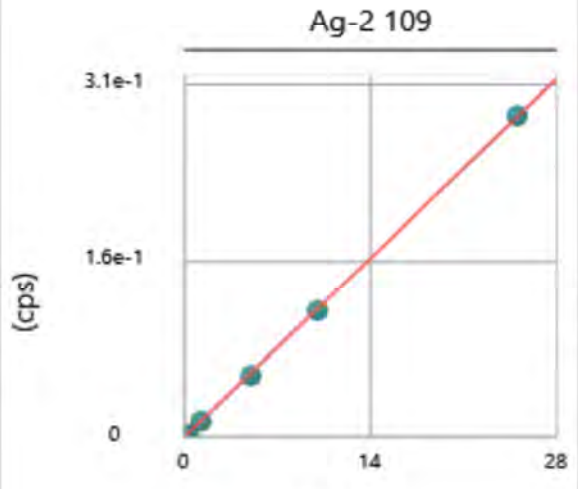

Zn-2 66
2.3e-1
1.1e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999947
BEC : 0.094691 ug/L
DL : 0.162098 ug/L



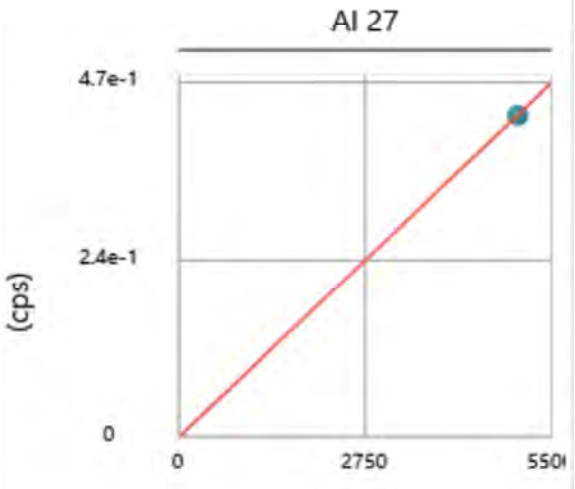
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999732
BEC : 0.000001 ug/L
DL : 0.000125 ug/L



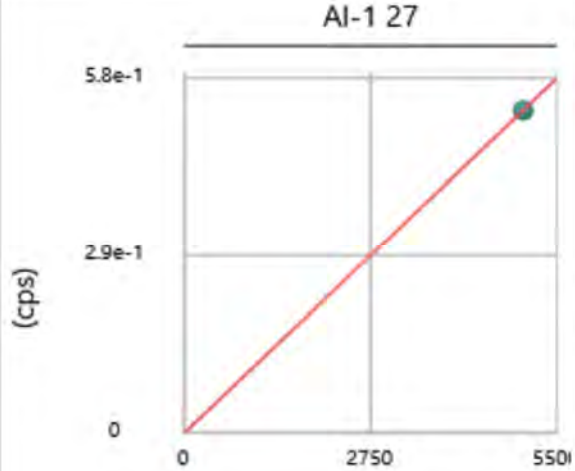
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999947
BEC : -0.000002 ug/L
DL : 0.002824 ug/L



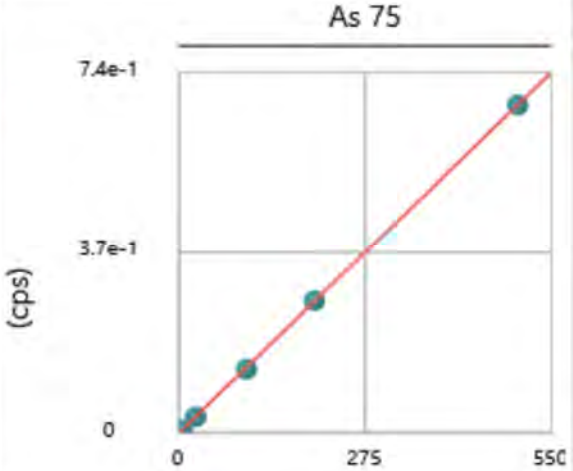
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999954
BEC : 0.000096 ug/L
DL : 0.007073 ug/L



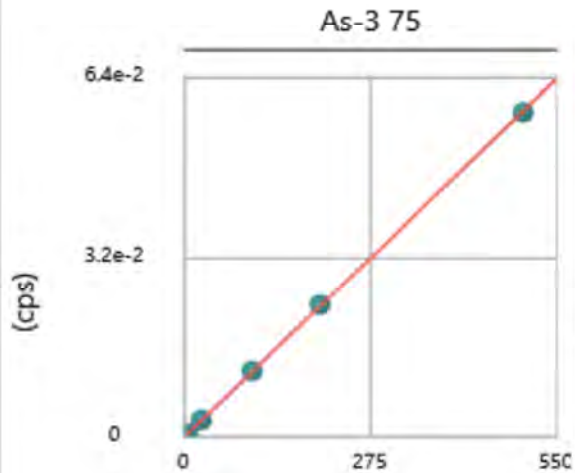
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.000291 ug/L
DL : 0.042366 ug/L



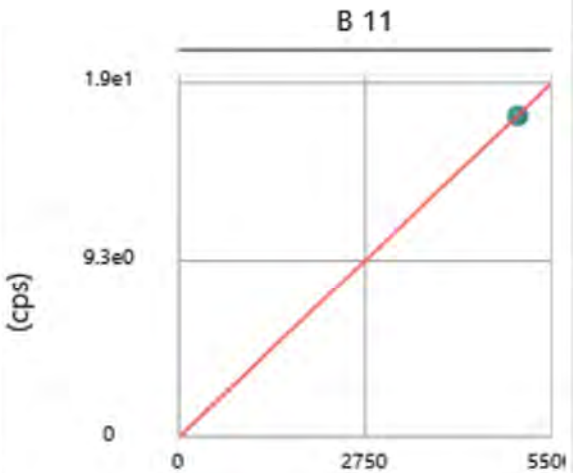
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.000799 mg/L
DL : 0.365652 mg/L



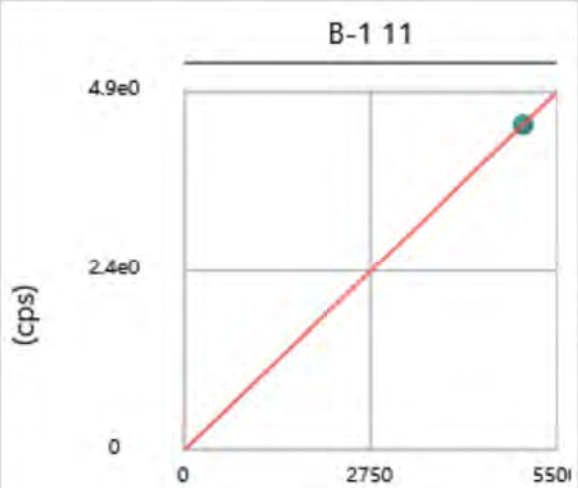
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999990
BEC : -0.002962 ug/L
DL : 0.387294 ug/L



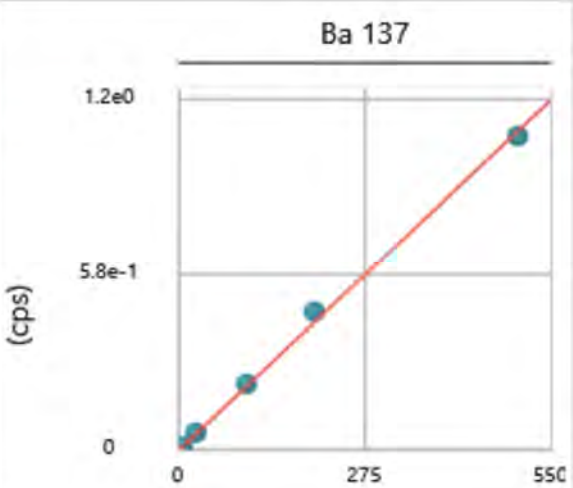
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999974
BEC : 0.000118 ug/L
DL : 0.057125 ug/L



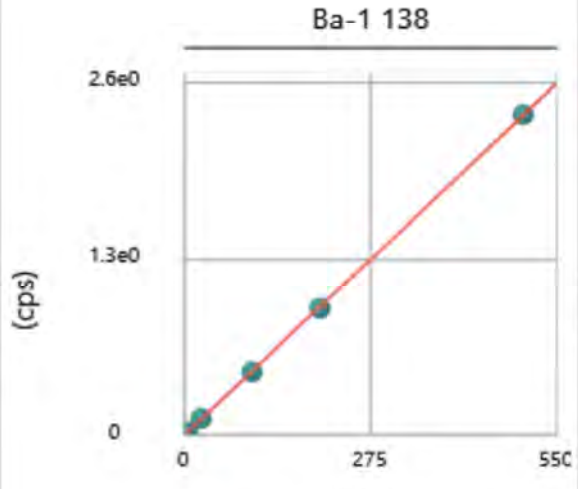
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.000092 ug/L
DL : 0.038430 ug/L



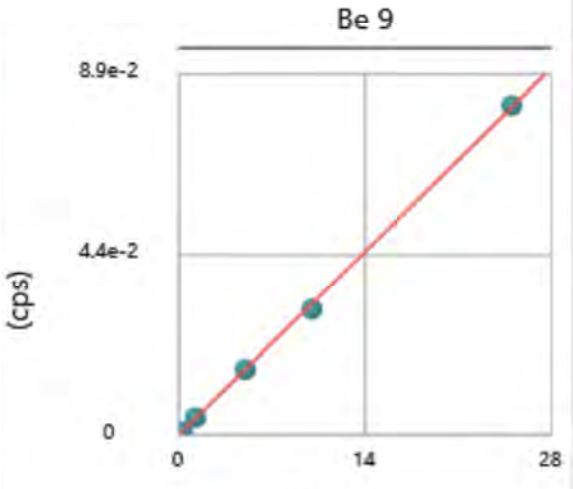
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



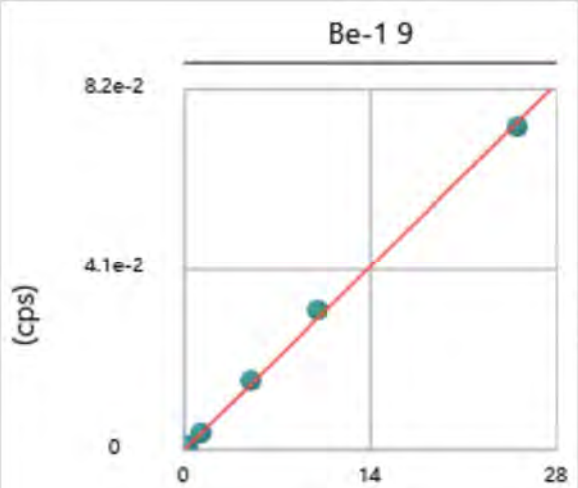
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999430
BEC : -0.000066 ug/L
DL : 0.004912 ug/L



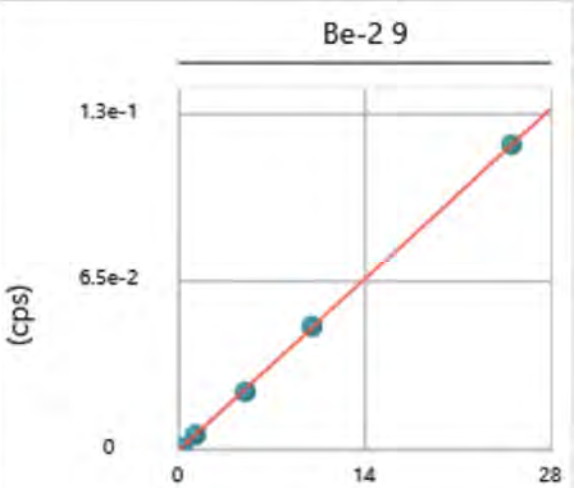
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999983
BEC : 0.000008 mg/L
DL : 0.014435 mg/L



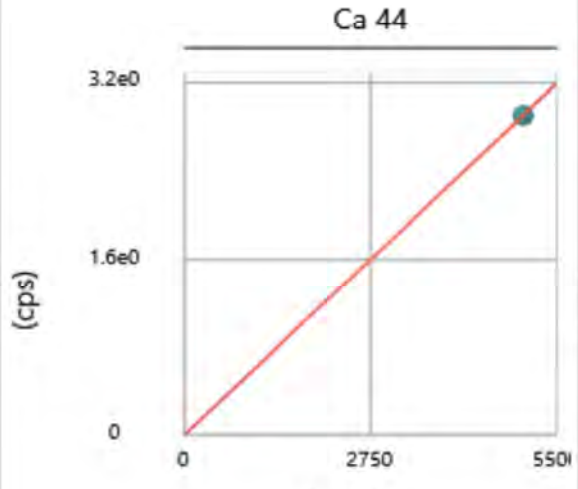
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999869
BEC : 0.000003 ug/L
DL : 0.000493 ug/L



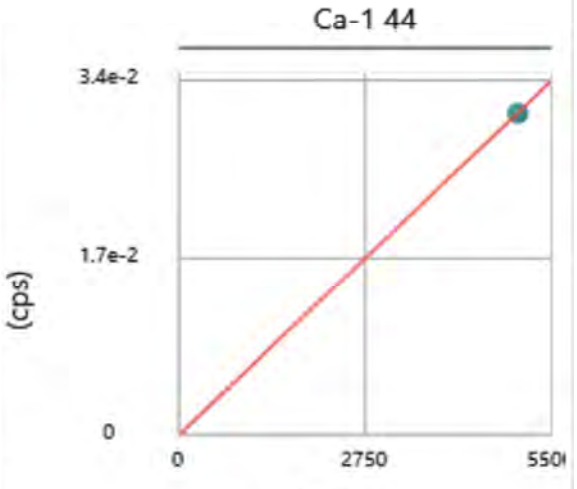
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999560
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



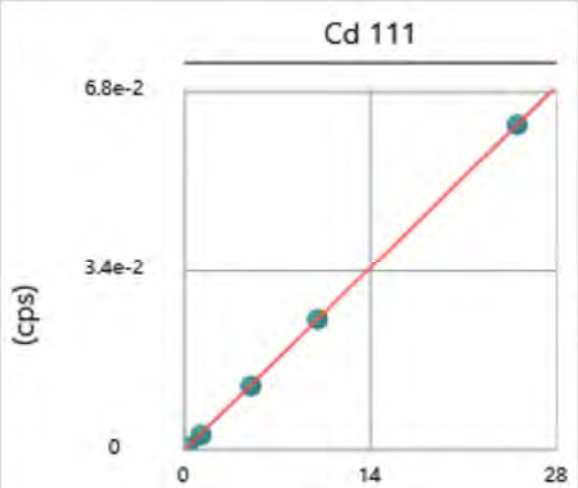
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999961
BEC : 0.000001 ug/L
DL : 0.000292 ug/L



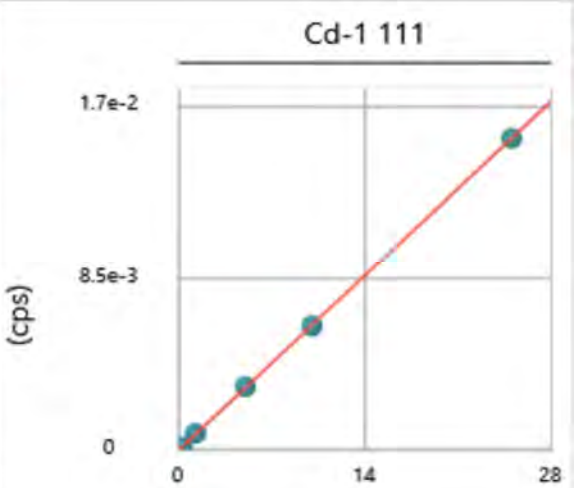
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.024869 ug/L
DL : 3.567447 ug/L



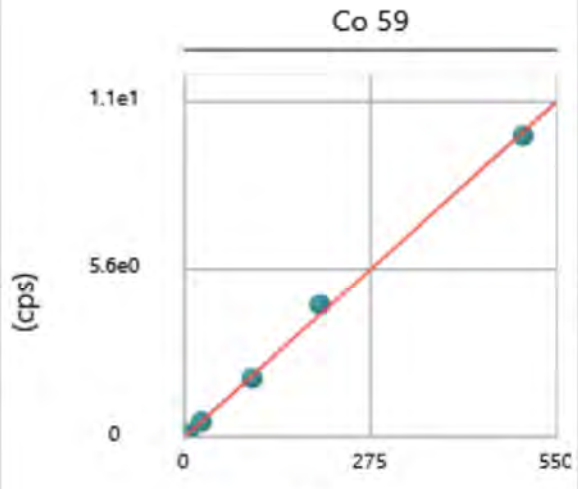
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.004819 mg/L
DL : 8.892260 mg/L



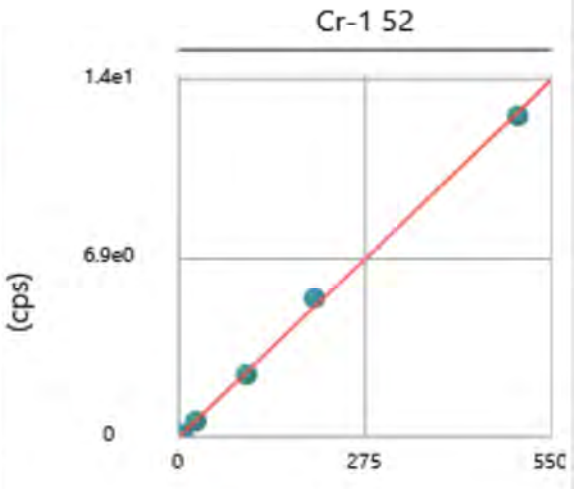
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999992
BEC : 0.000002 ug/L
DL : 0.000864 ug/L



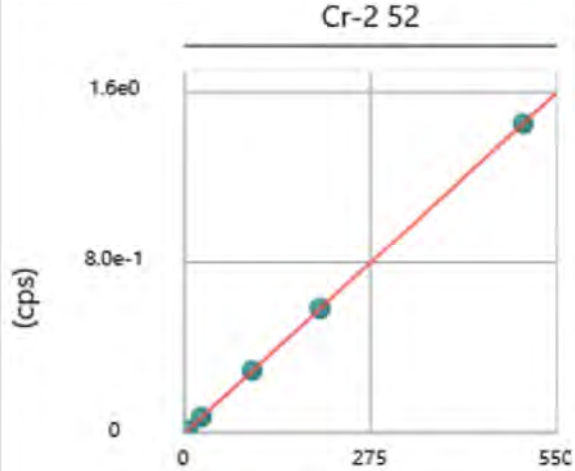
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999984
BEC : 0.000052 mg/L
DL : 0.026014 mg/L



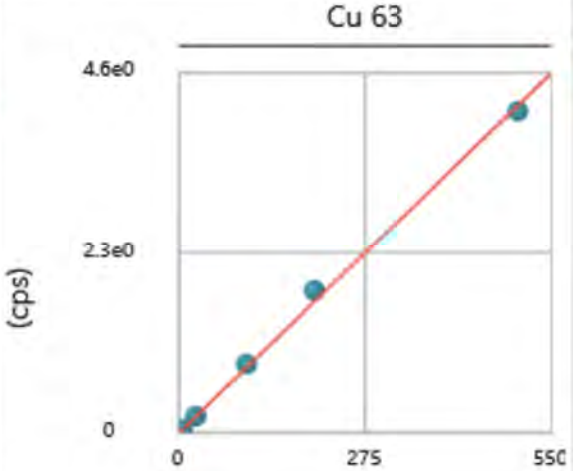
Eqn. : y = 0.020x + 0.000
Cor.Coeff. : 0.999470
BEC : 0.000002 ug/L
DL : 0.000628 ug/L



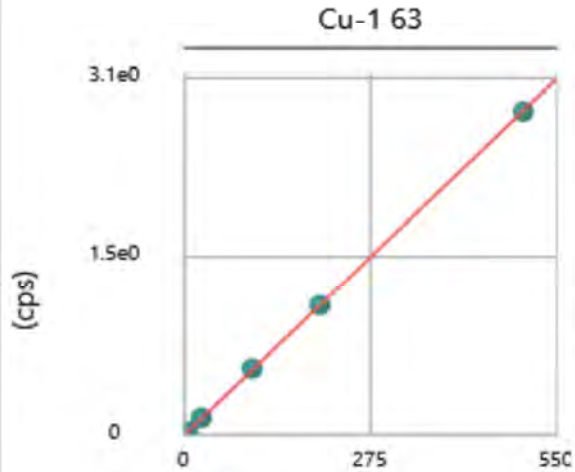
Eqn. : y = 0.025x + 0.000
Cor.Coeff. : 0.999625
BEC : 0.005781 ug/L
DL : 0.470925 ug/L



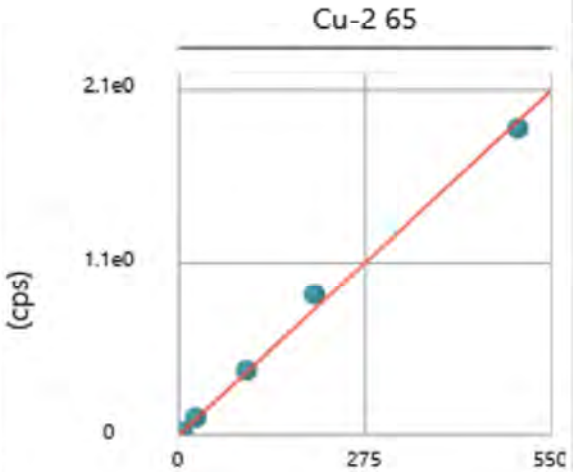
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999995
BEC : 0.000020 ug/L
DL : 0.016957 ug/L



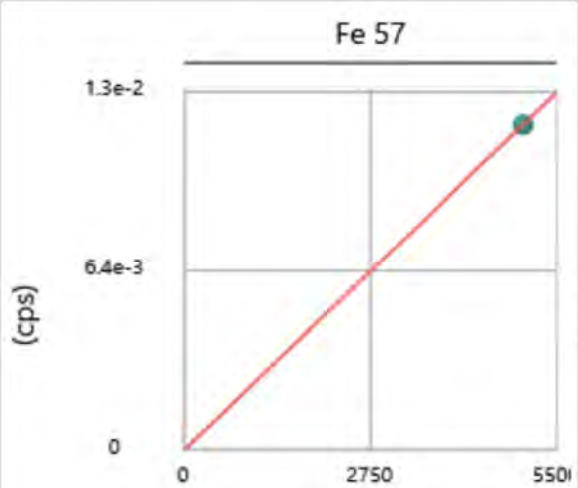
Eqn. : y = 0.008x + 0.000
Cor.Coeff. : 0.999336
BEC : 0.000778 ug/L
DL : 0.065347 ug/L



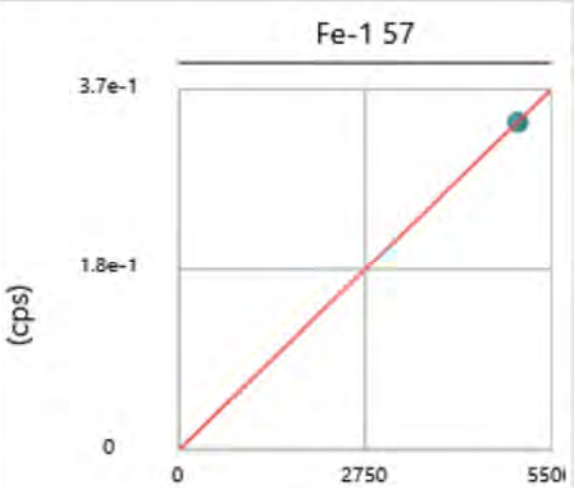
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999982
BEC : 0.000041 ug/L
DL : 0.021775 ug/L



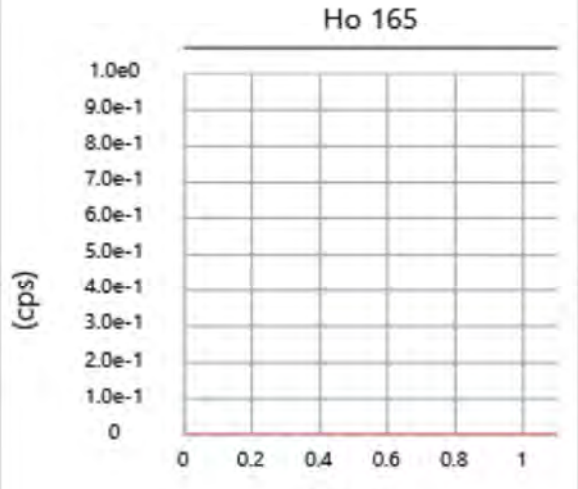
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.998796
BEC : -0.000196 ug/L
DL : 0.015428 ug/L



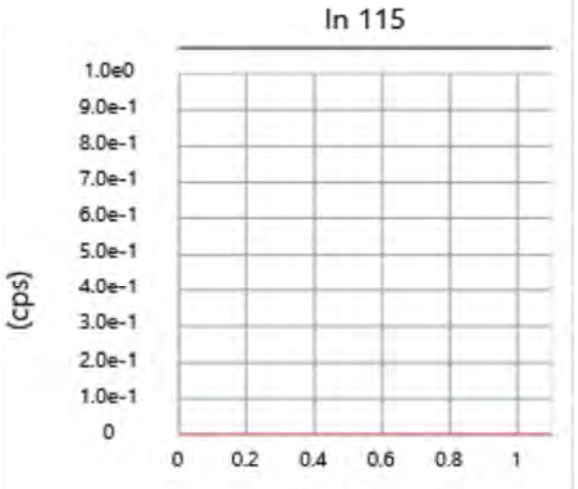
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.061389 ug/L
DL : 9.963088 ug/L



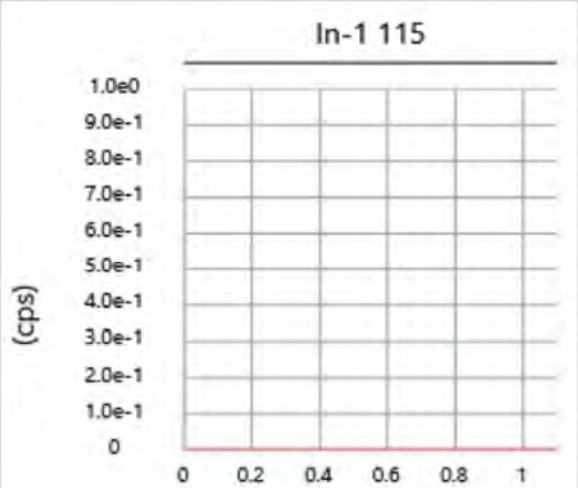
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.001356 ug/L
DL : 0.787996 ug/L



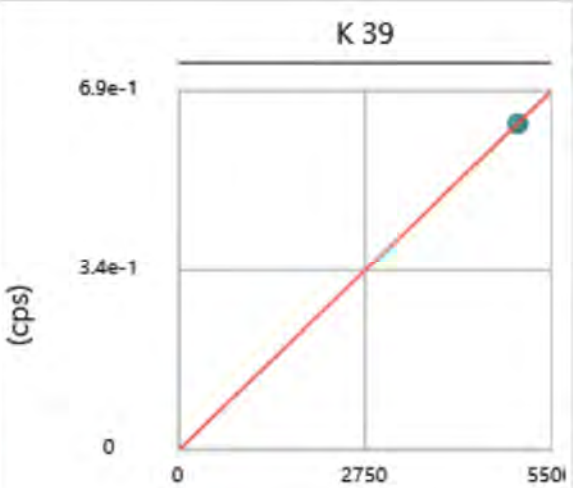
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



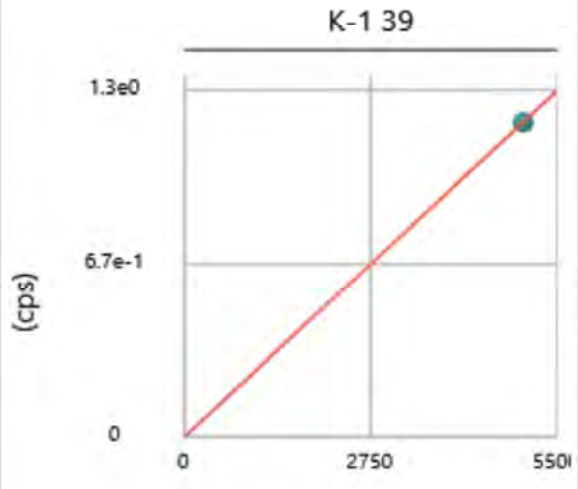
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



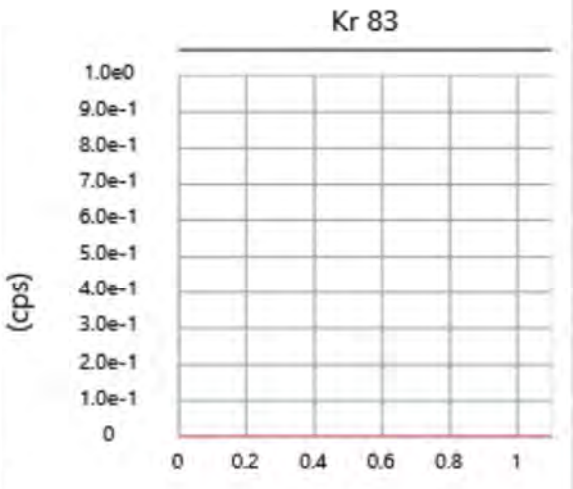
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



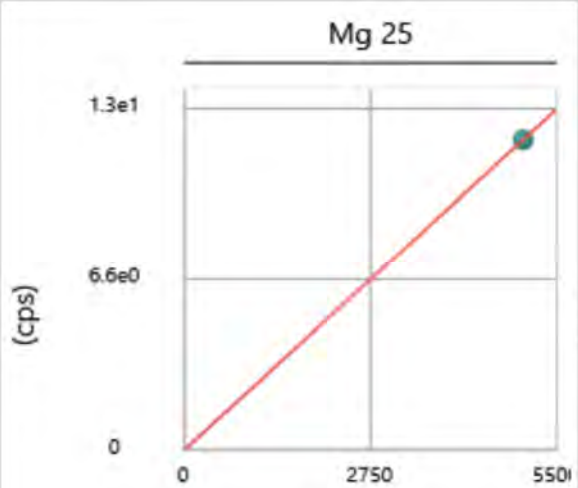
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.023629 ug/L
DL : 3.391401 ug/L



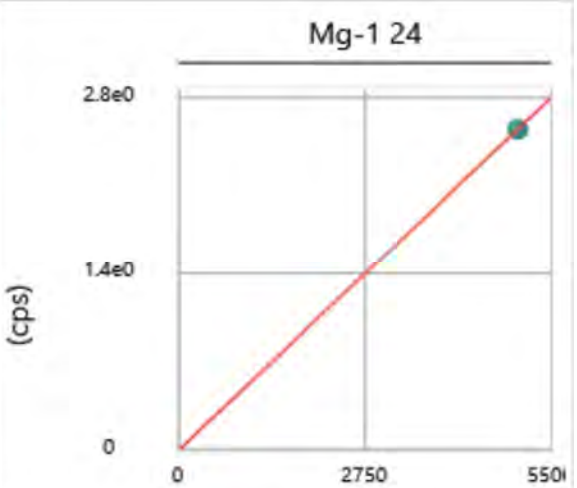
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.003404 mg/L
DL : 2.328676 mg/L



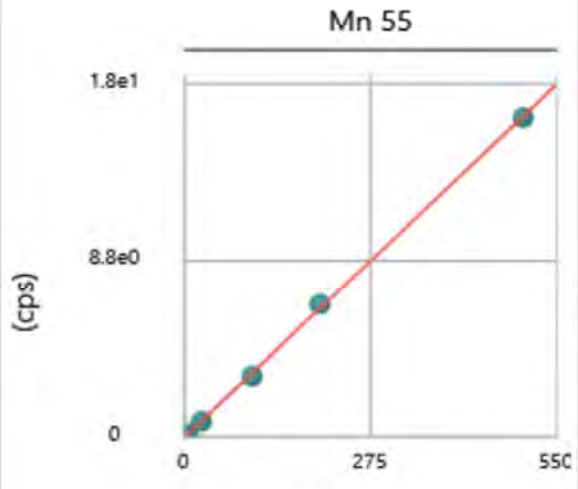
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



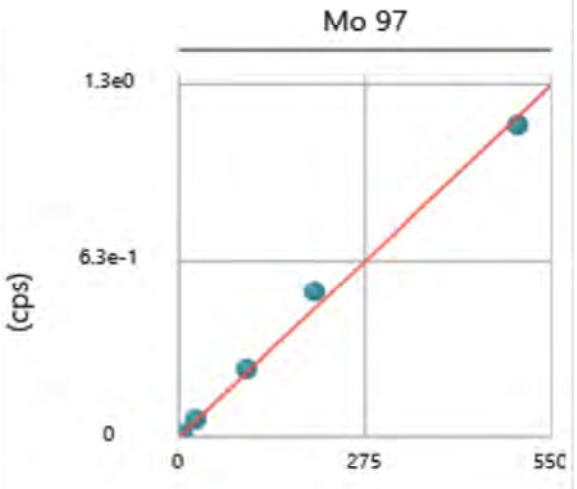
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000012 ug/L
DL : 0.012271 ug/L



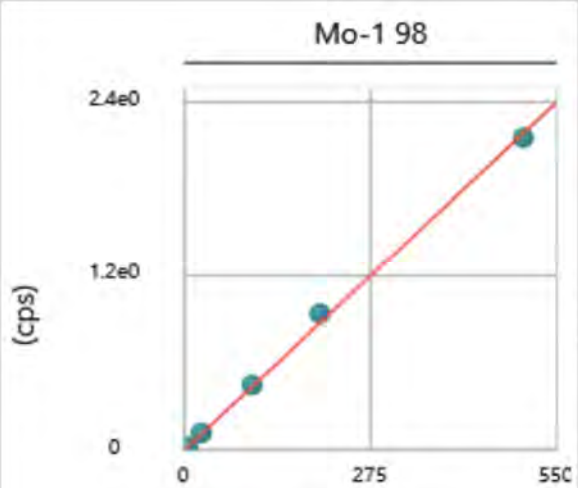
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000119 mg/L
DL : 0.077982 mg/L



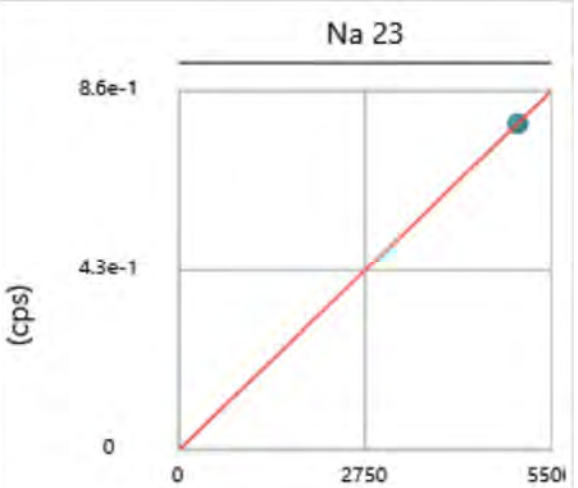
Eqn. : y = 0.032x + 0.000
Cor.Coeff. : 0.999872
BEC : 0.002356 ug/L
DL : 0.196218 ug/L



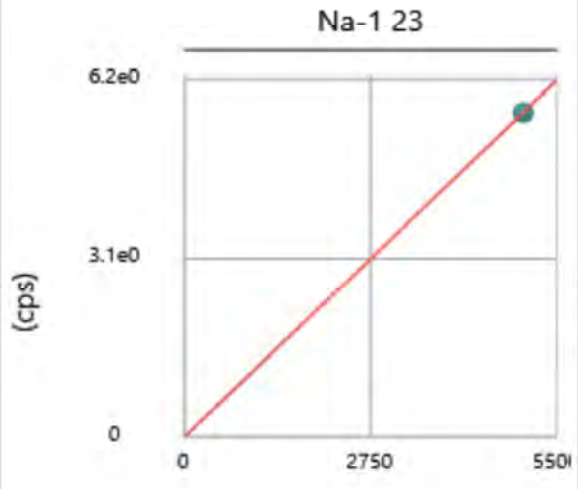
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.998412
BEC : -0.000304 ug/L
DL : 0.028162 ug/L



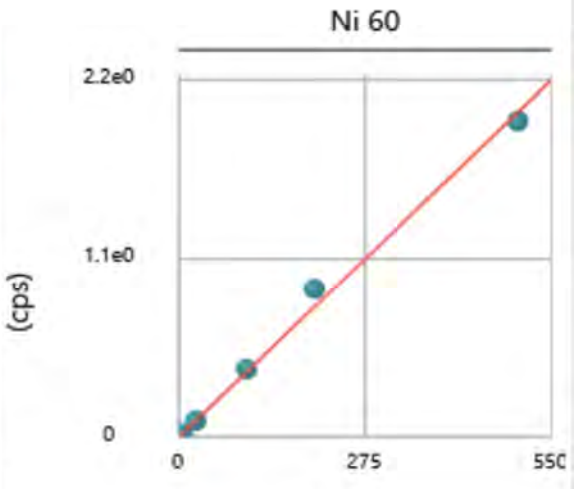
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999547
BEC : 0.000025 ug/L
DL : 0.023691 ug/L



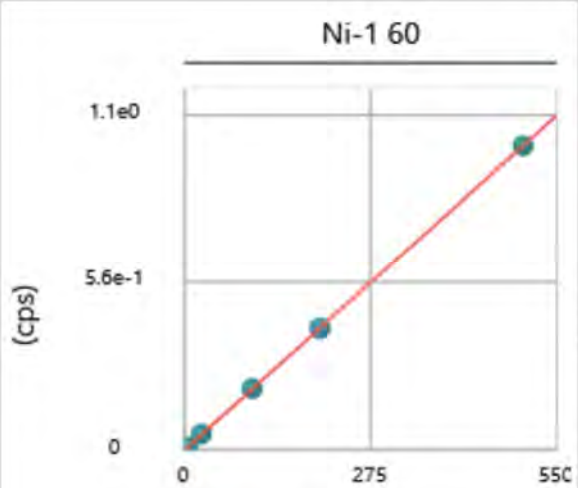
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.002485 ug/L
DL : 0.516286 ug/L



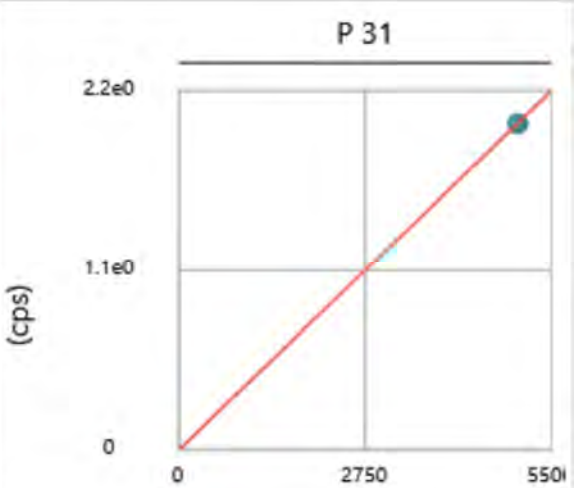
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000402 mg/L
DL : 0.403698 mg/L



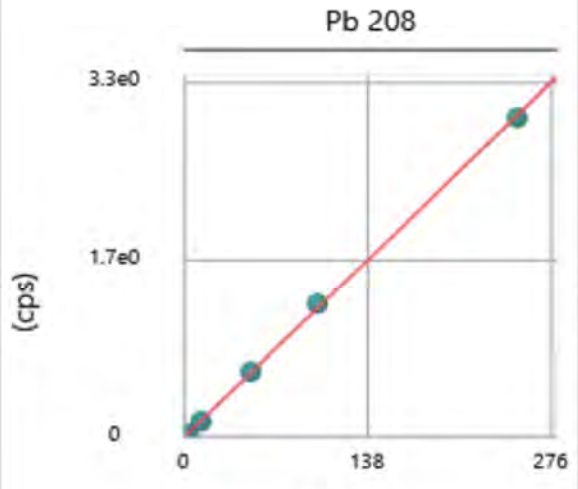
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.998341
BEC : 0.000098 ug/L
DL : 0.010059 ug/L



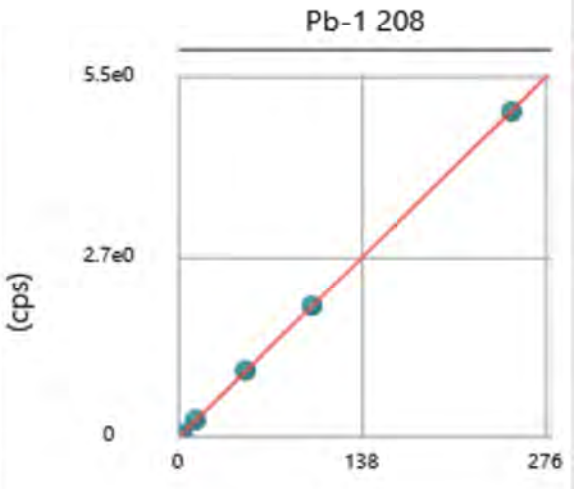
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999994
BEC : -0.000003 ug/L
DL : 0.004771 ug/L



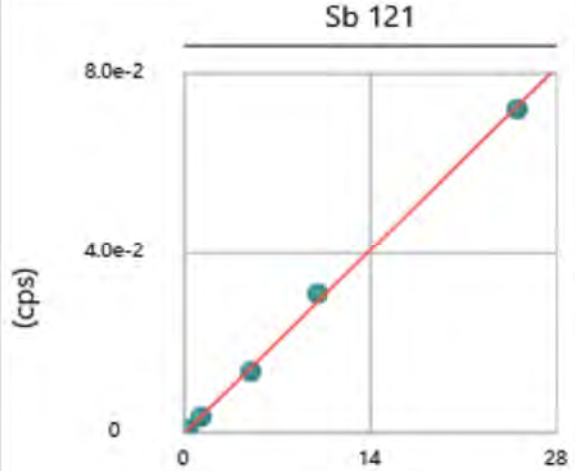
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.386069 ug/L
DL : 1033.133383 ug/L



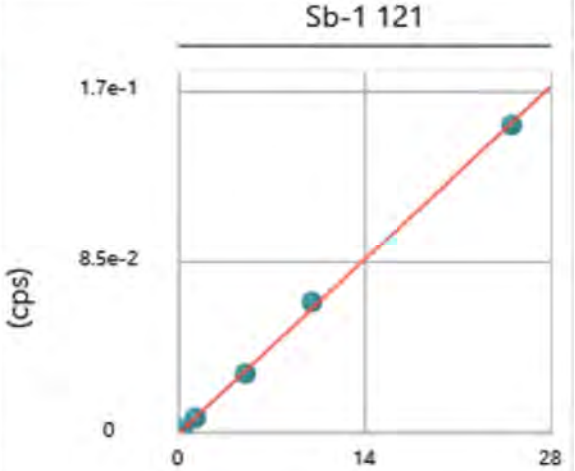
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999893
BEC : 0.000010 ug/L
DL : 0.000711 ug/L



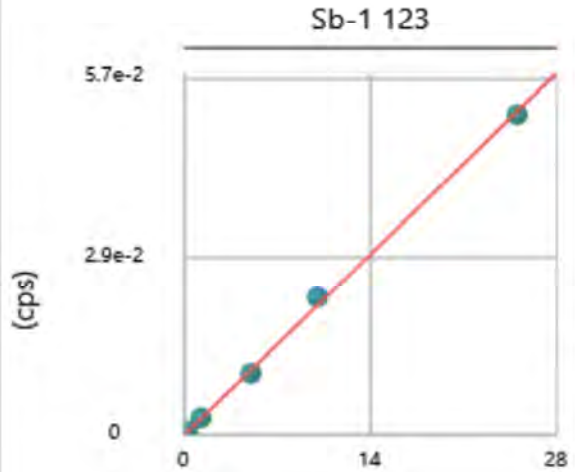
Eqn. : y = 0.020x + 0.000
Cor.Coeff. : 0.999987
BEC : 0.000002 ug/L
DL : 0.000465 ug/L



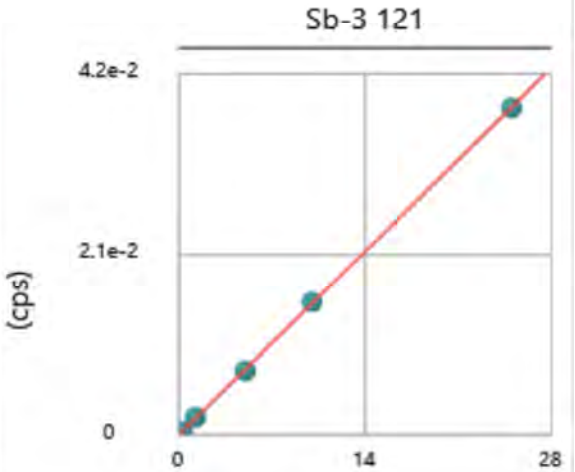
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999653
BEC : 0.000035 ug/L
DL : 0.002631 ug/L



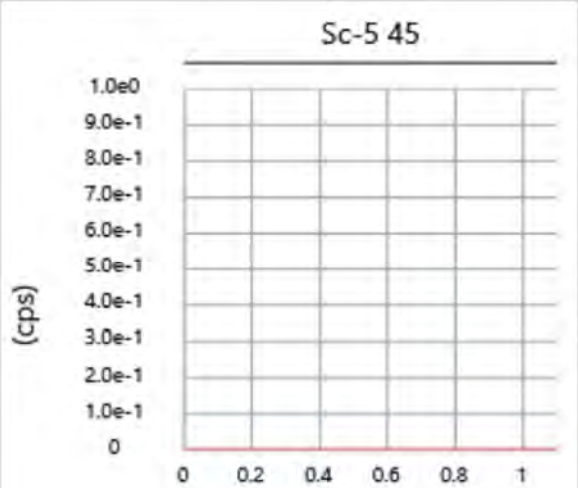
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999770
BEC : 0.000028 ug/L
DL : 0.002351 ug/L



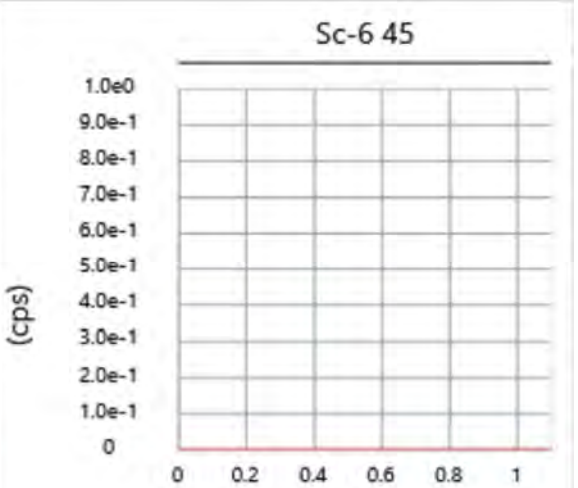
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999644
BEC : -0.000009 ug/L
DL : 0.003416 ug/L



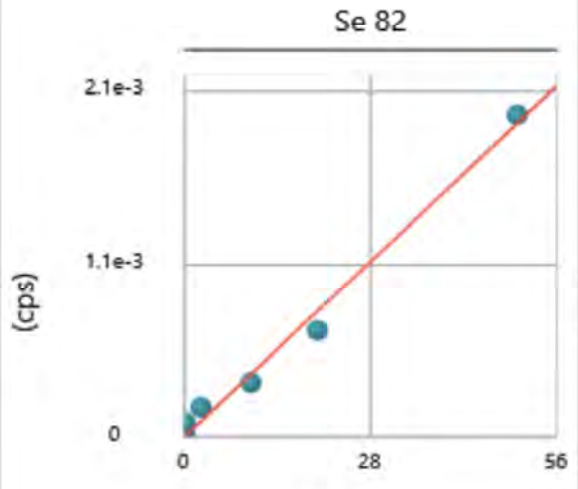
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999971
BEC : 0.000000 ug/L
DL : 0.002939 ug/L



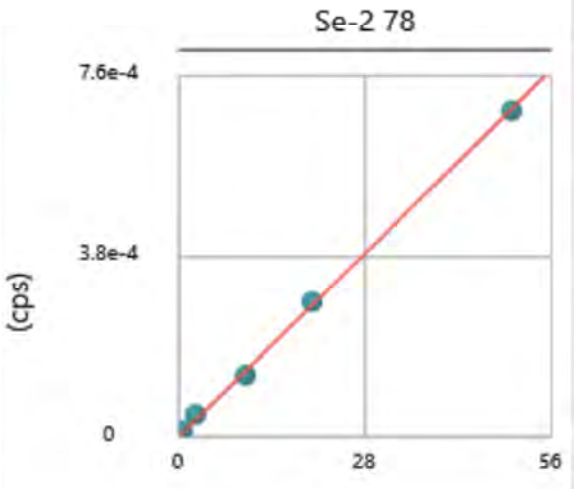
Eqn. :	y = 0.000x + 0.000	
Cor.Coeff. :	0.000000	
BEC :	NaN	ug/L
DL :	NaN	ug/L



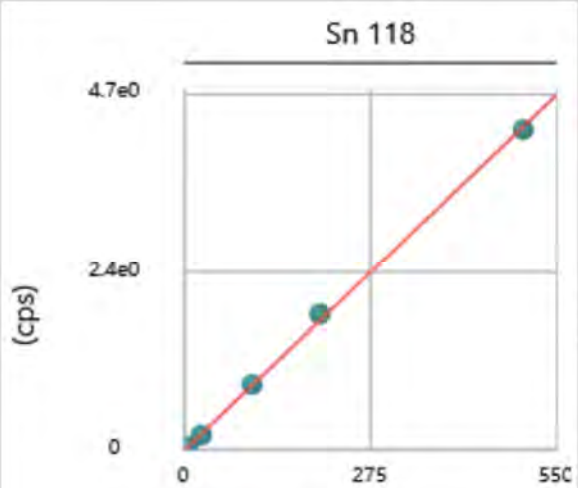
Eqn. :	y = 0.000x + 0.000	
Cor.Coeff. :	0.000000	
BEC :	NaN	mg/L
DL :	NaN	mg/L



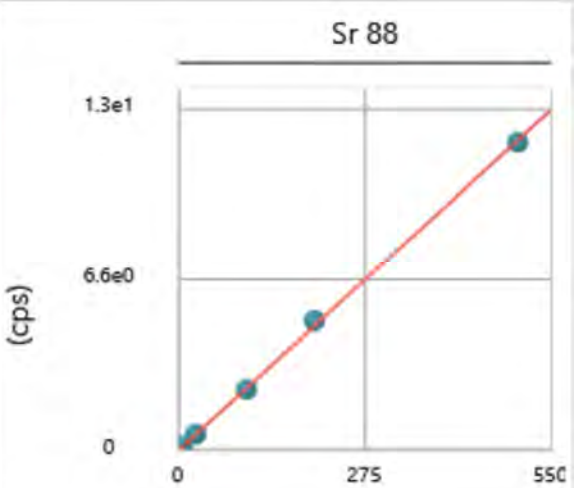
Eqn. :	y = 0.000x + 0.000	
Cor.Coeff. :	0.994846	
BEC :	-0.132934	ug/L
DL :	11.260894	ug/L



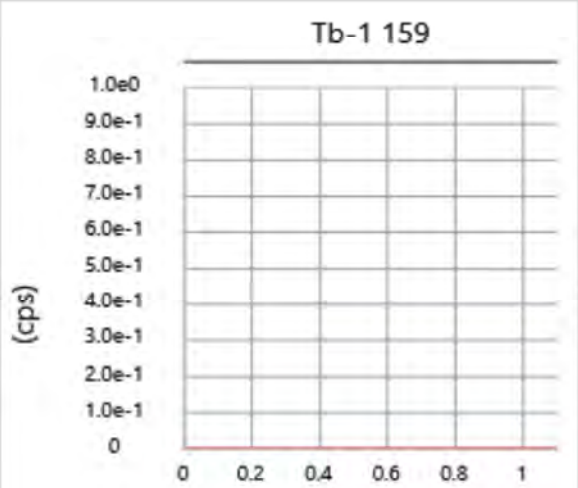
Eqn. :	y = 0.000x + 0.000	
Cor.Coeff. :	0.999642	
BEC :	0.001719	ug/L
DL :	0.545408	ug/L



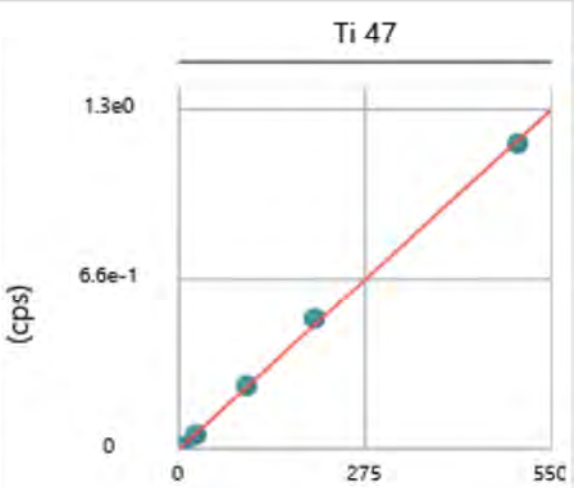
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999790
BEC : 0.000270 ug/L
DL : 0.028172 ug/L



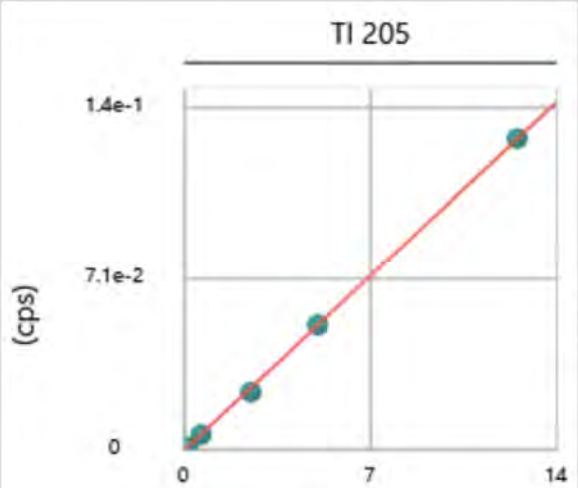
Eqn. : y = 0.024x + 0.000
Cor.Coeff. : 0.999855
BEC : -0.000006 ug/L
DL : 0.000469 ug/L



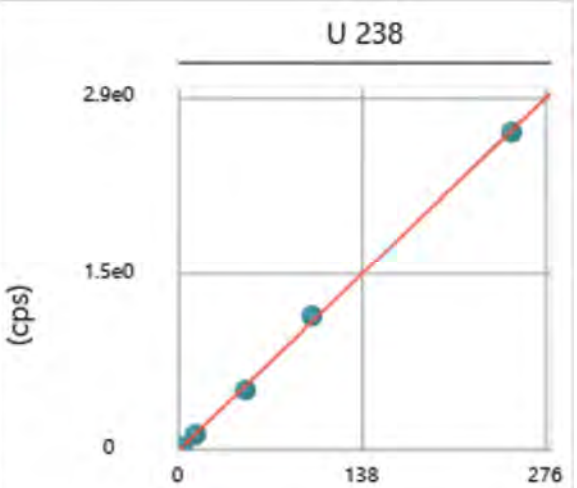
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



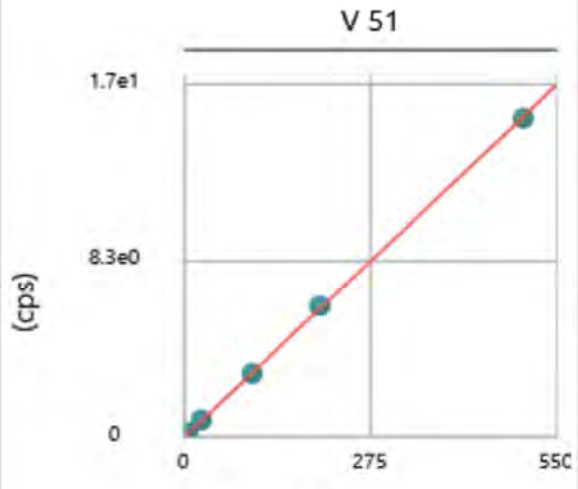
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999744
BEC : 0.001339 ug/L
DL : 0.099006 ug/L



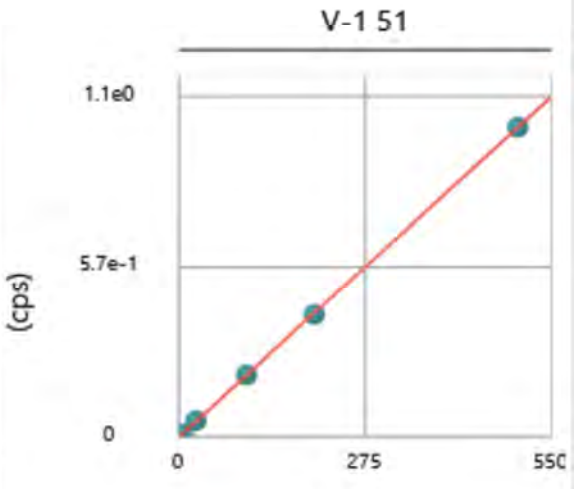
Eqn. : y = 0.010x + 0.000
Cor.Coeff. : 0.999926
BEC : -0.000003 ug/L
DL : 0.000187 ug/L



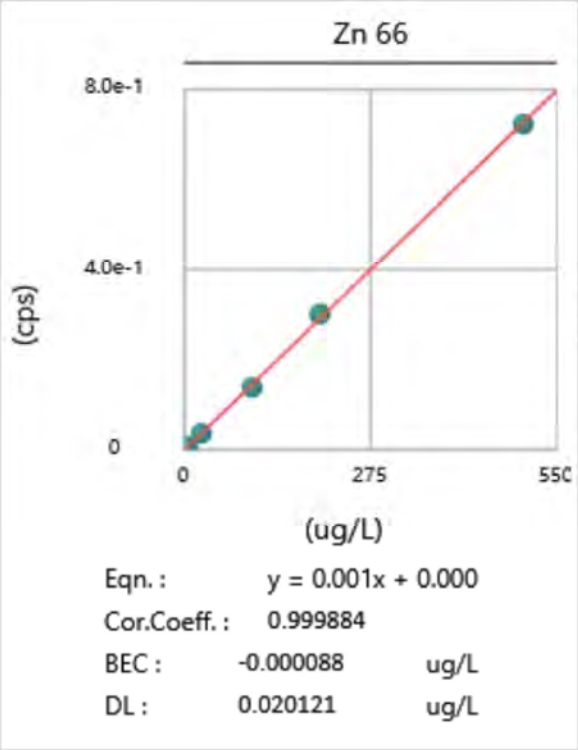
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999794
BEC : 0.000002 ug/L
DL : 0.000212 ug/L

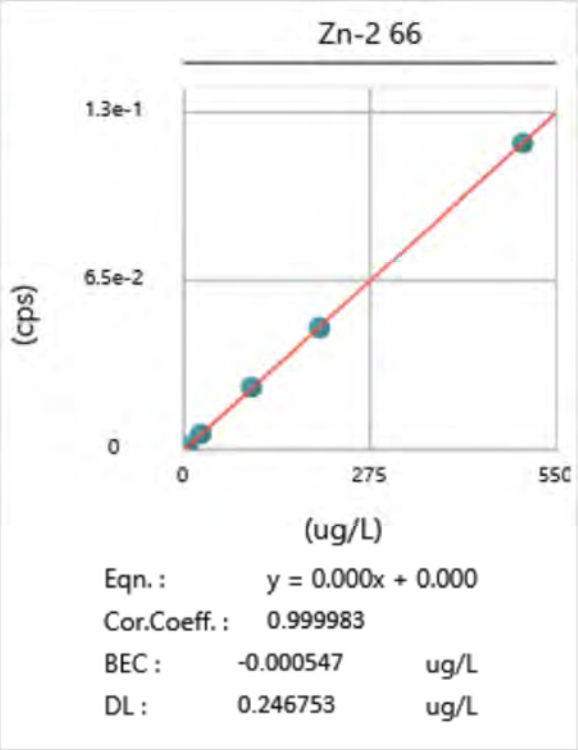


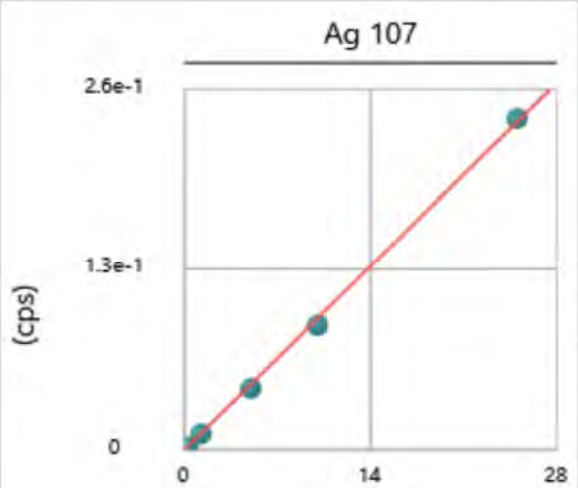
Eqn. : y = 0.030x + 0.000
Cor.Coeff. : 0.999939
BEC : 0.019939 ug/L
DL : 1.671168 ug/L



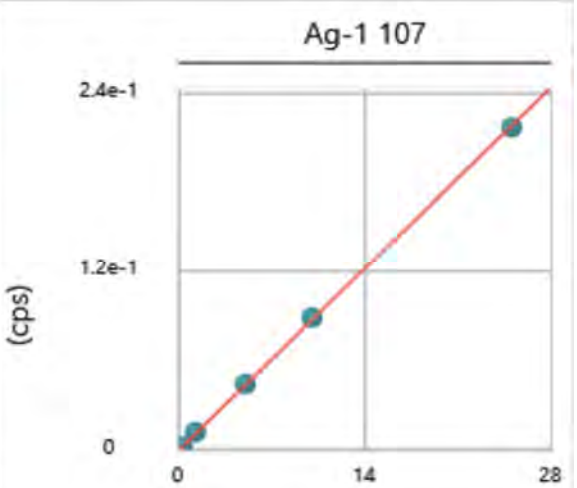
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999984
BEC : 0.000031 ug/L
DL : 0.019783 ug/L


Zn 66
8.0e-1
4.0e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999884
BEC : -0.000088 ug/L
DL : 0.020121 ug/L

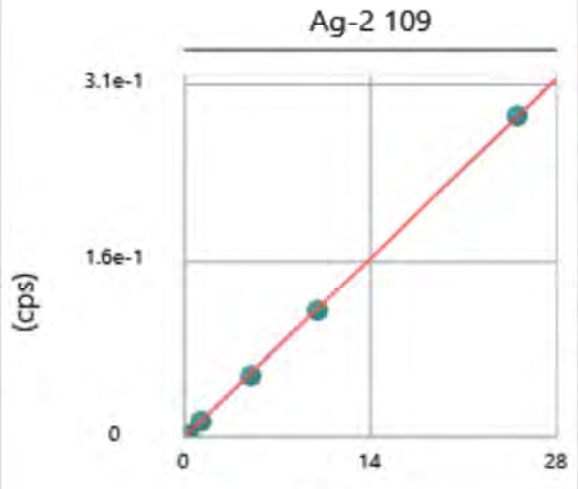

Zn-2 66
1.3e-1
6.5e-2
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999983
BEC : -0.000547 ug/L
DL : 0.246753 ug/L



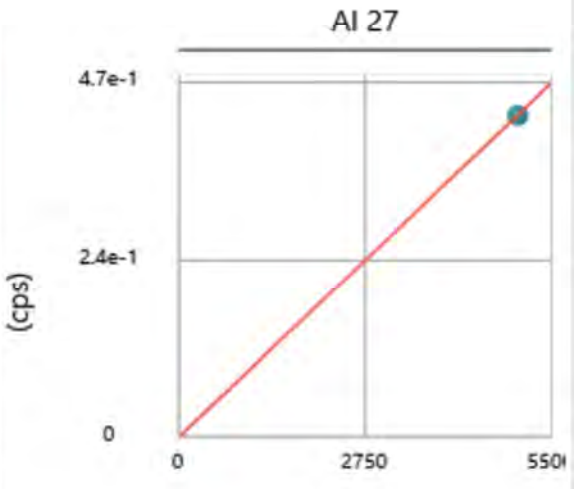
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999732
BEC : 0.000001 ug/L
DL : 0.000125 ug/L



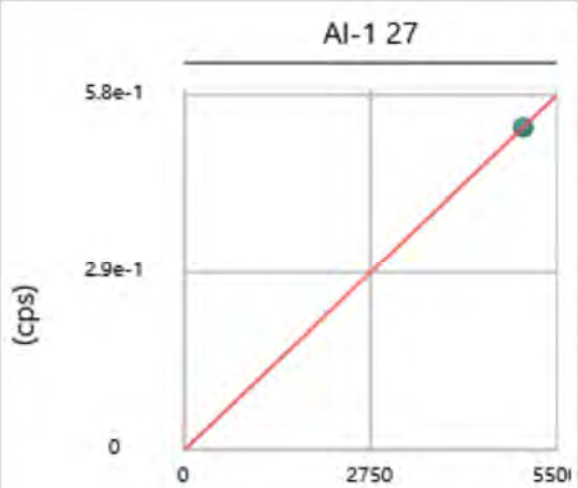
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999947
BEC : -0.000002 ug/L
DL : 0.002824 ug/L



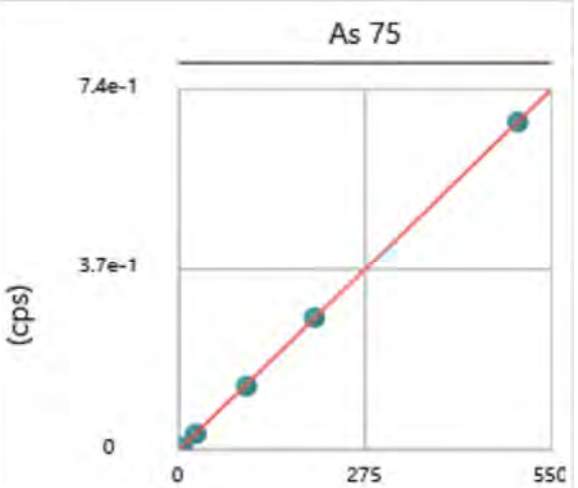
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999954
BEC : 0.000096 ug/L
DL : 0.007073 ug/L



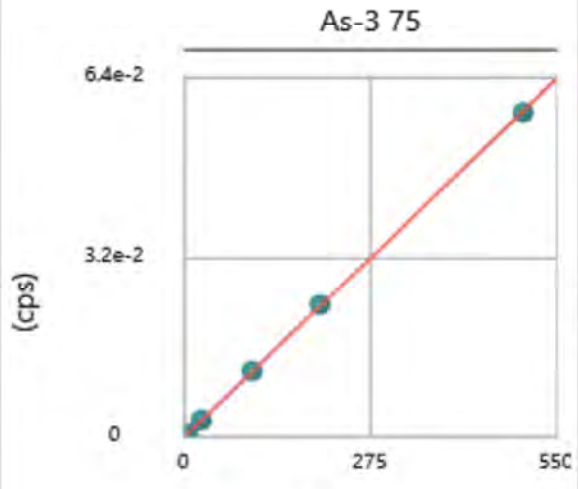
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.000291 ug/L
DL : 0.042366 ug/L



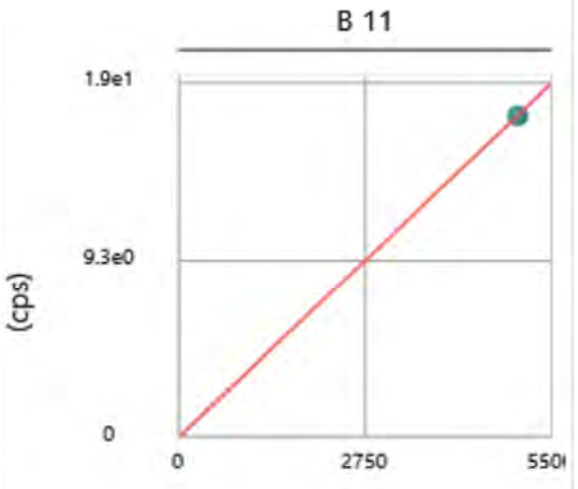
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.000799 mg/L
DL : 0.365652 mg/L



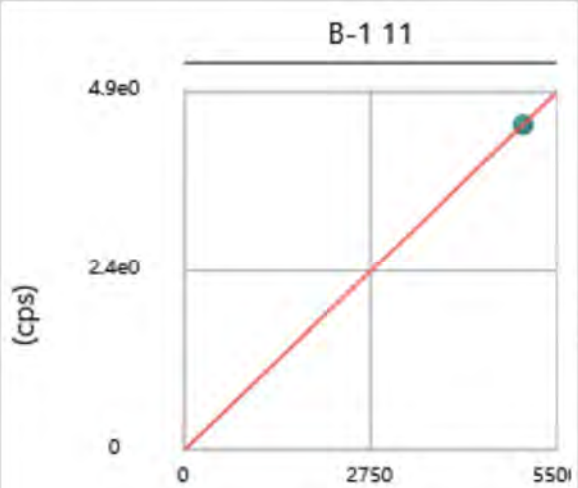
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999990
BEC : -0.002962 ug/L
DL : 0.387294 ug/L



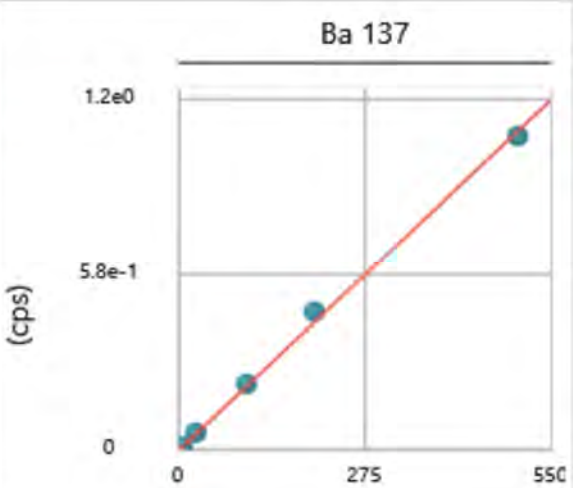
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999974
BEC : 0.000118 ug/L
DL : 0.057125 ug/L



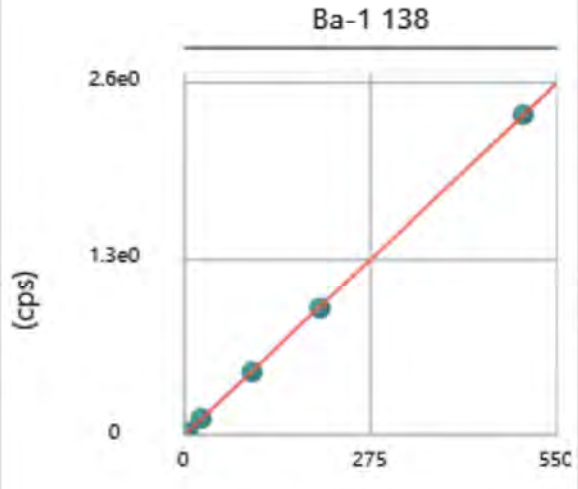
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.000092 ug/L
DL : 0.038430 ug/L



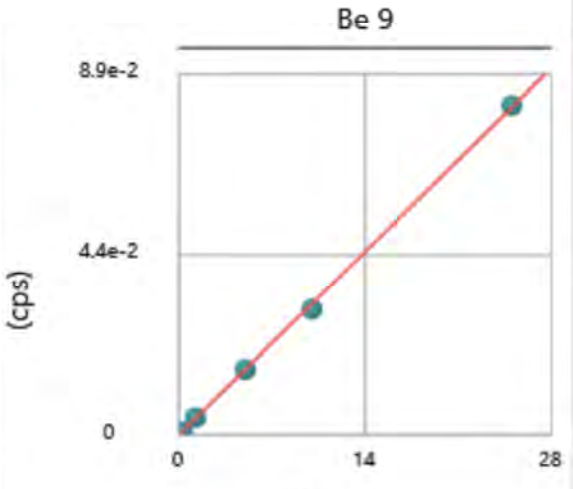
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



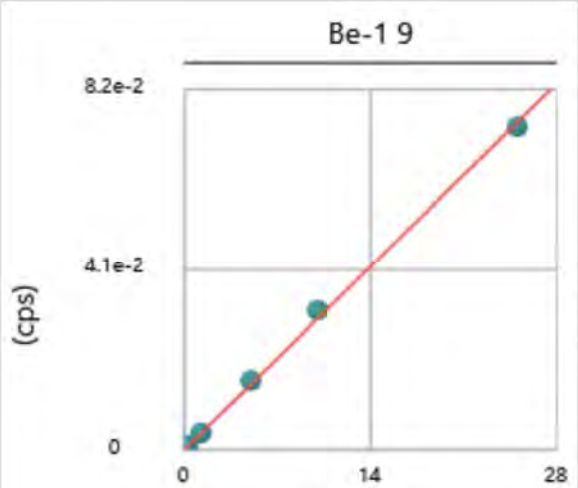
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999430
BEC : -0.000066 ug/L
DL : 0.004912 ug/L



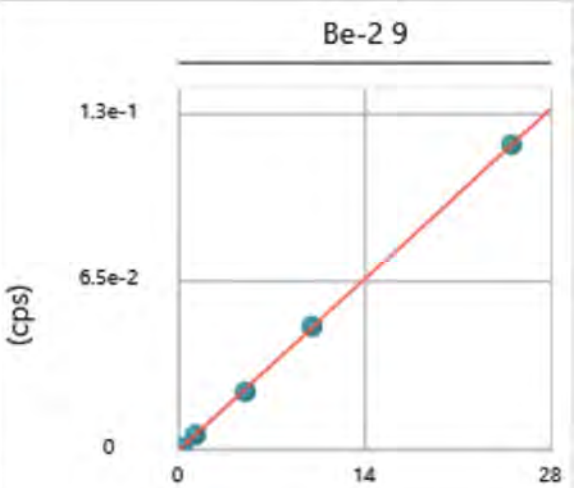
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999983
BEC : 0.000008 mg/L
DL : 0.014435 mg/L



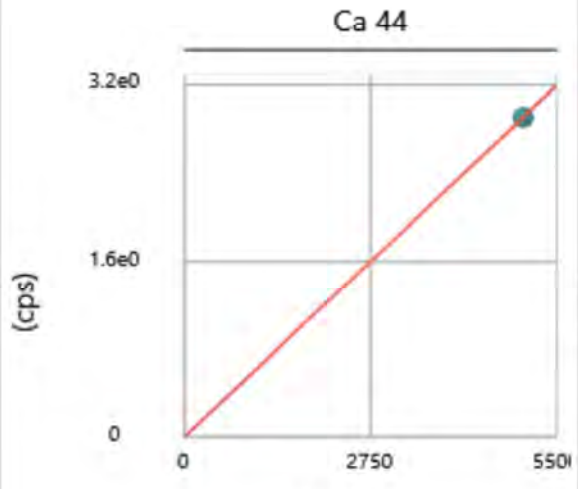
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999869
BEC : 0.000003 ug/L
DL : 0.000493 ug/L



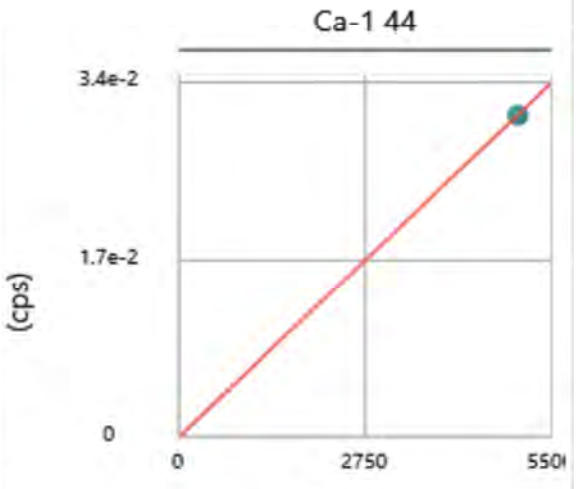
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999560
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



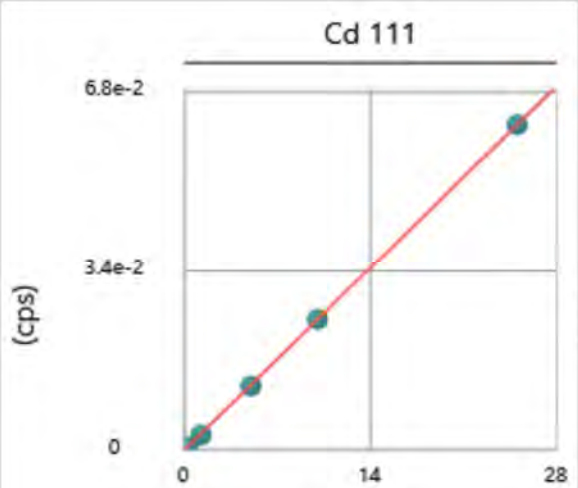
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999961
BEC : 0.000001 ug/L
DL : 0.000292 ug/L



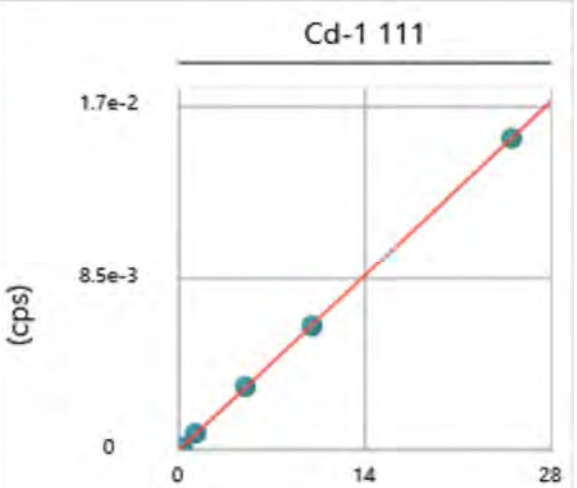
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.024869 ug/L
DL : 3.567447 ug/L



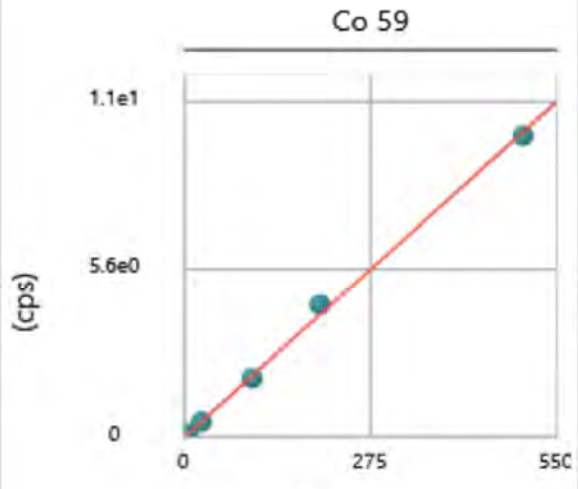
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.004819 mg/L
DL : 8.892260 mg/L



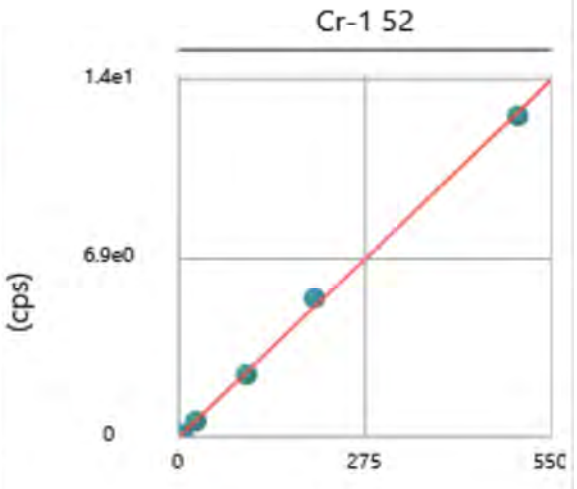
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999992
BEC : 0.000002 ug/L
DL : 0.000864 ug/L



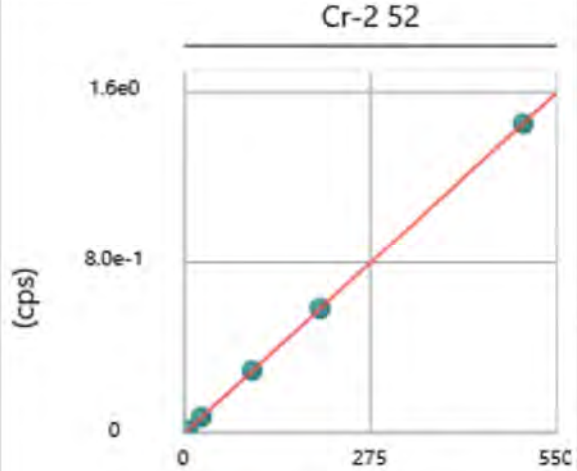
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999984
BEC : 0.000052 mg/L
DL : 0.026014 mg/L



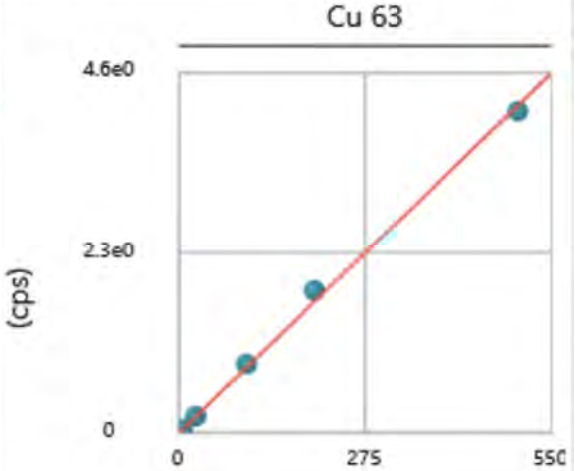
Eqn. : y = 0.020x + 0.000
Cor.Coeff. : 0.999470
BEC : 0.000002 ug/L
DL : 0.000628 ug/L



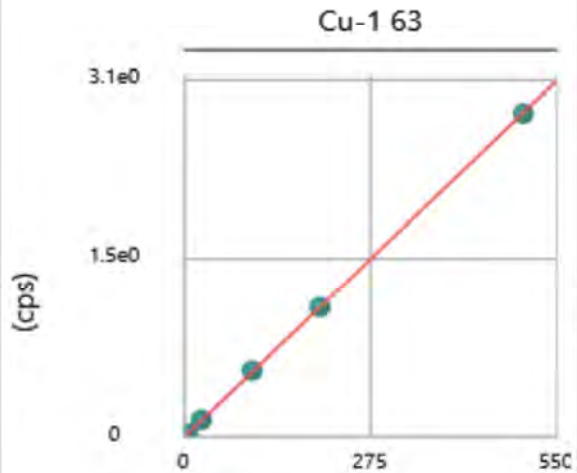
Eqn. : y = 0.025x + 0.000
Cor.Coeff. : 0.999625
BEC : 0.005781 ug/L
DL : 0.470925 ug/L



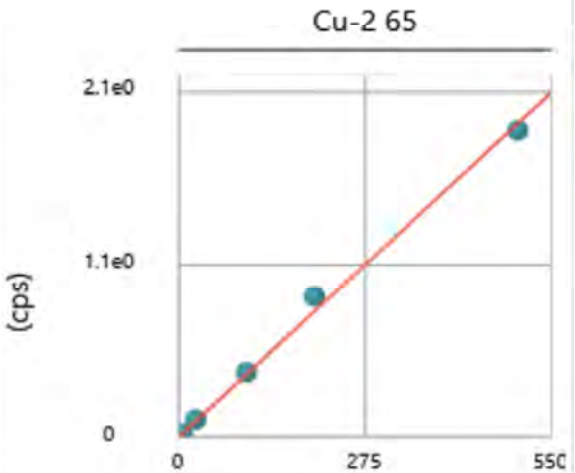
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999995
BEC : 0.000020 ug/L
DL : 0.016957 ug/L



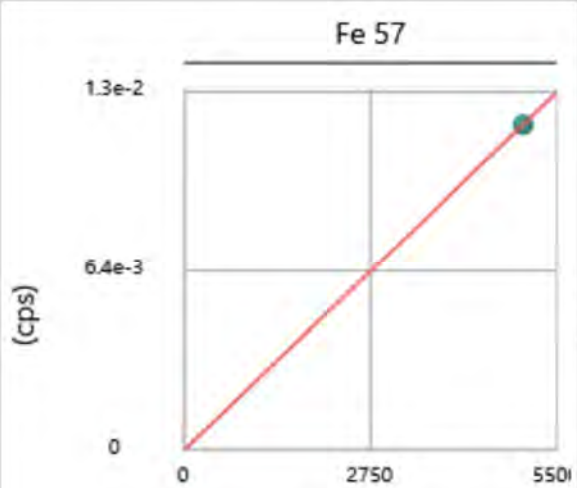
Eqn. : y = 0.008x + 0.000
Cor.Coeff. : 0.999336
BEC : 0.000778 ug/L
DL : 0.065347 ug/L



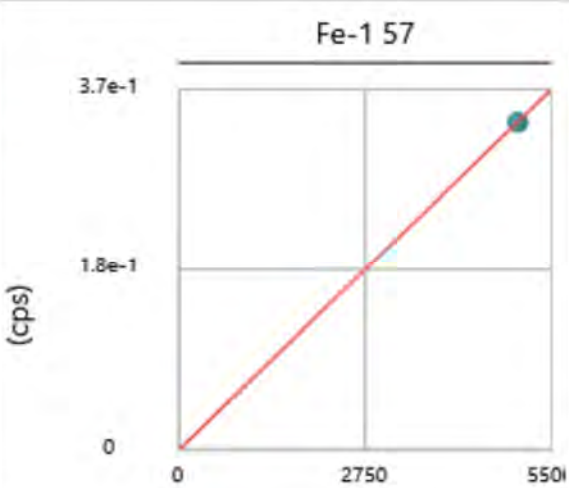
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999982
BEC : 0.000041 ug/L
DL : 0.021775 ug/L



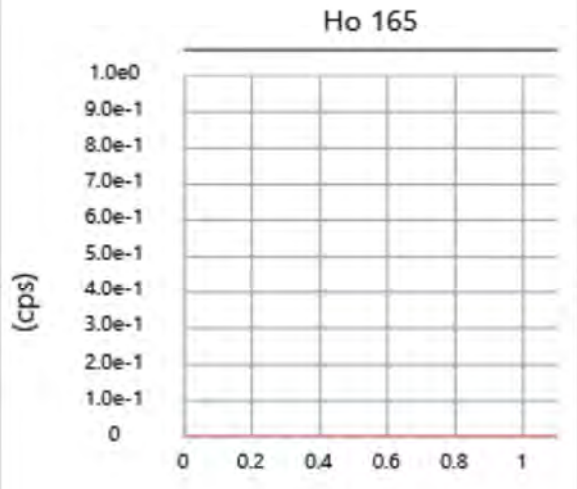
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.998796
BEC : -0.000196 ug/L
DL : 0.015428 ug/L



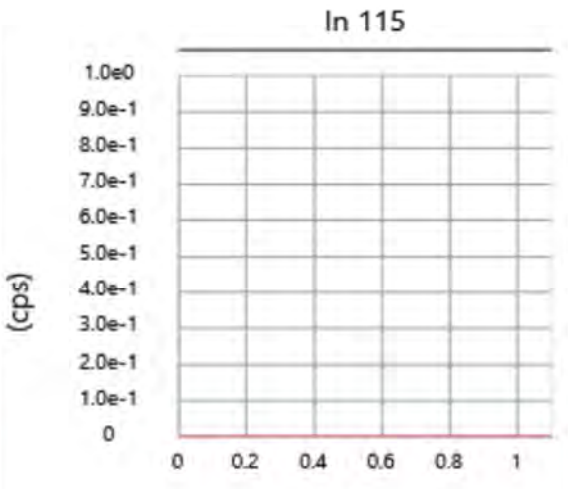
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.061389 ug/L
DL : 9.963088 ug/L



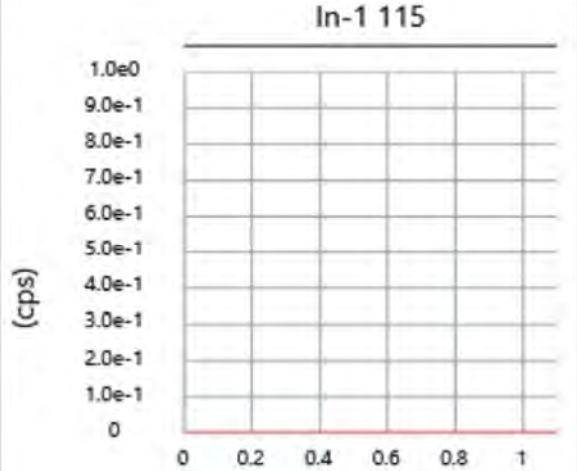
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.001356 ug/L
DL : 0.787996 ug/L



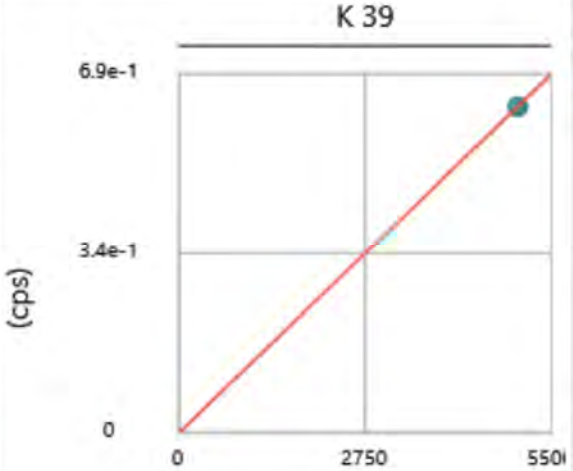
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



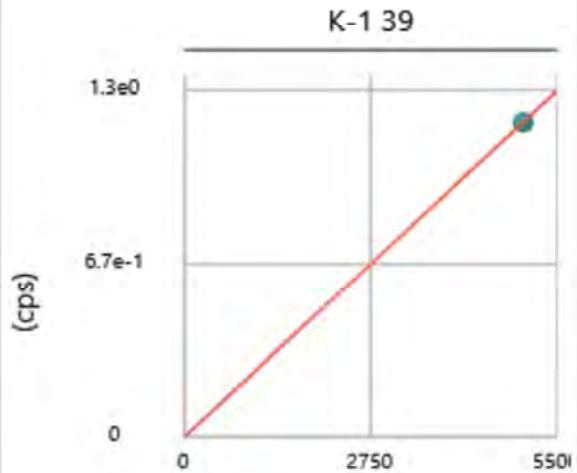
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



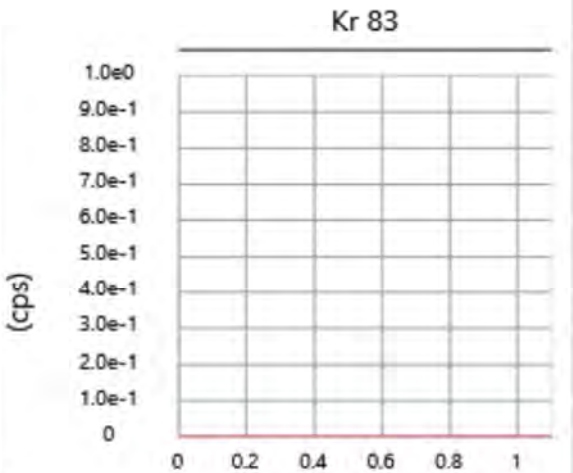
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



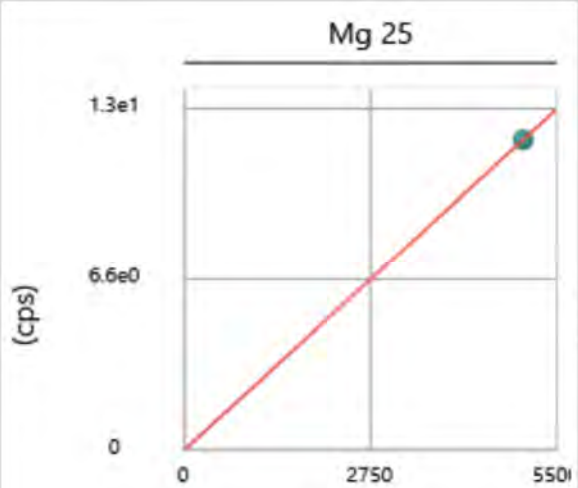
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.023629 ug/L
DL : 3.391401 ug/L



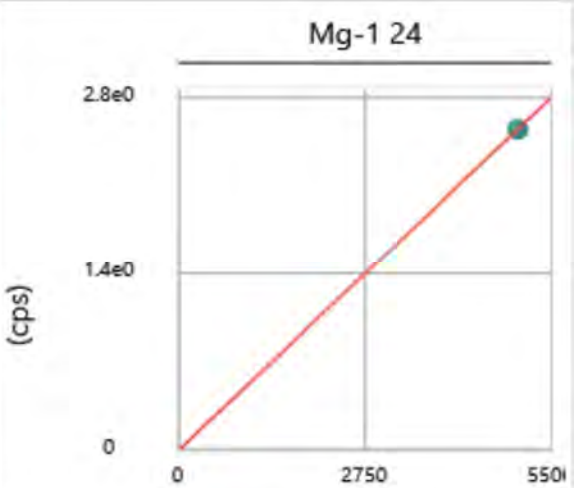
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.003404 mg/L
DL : 2.328676 mg/L



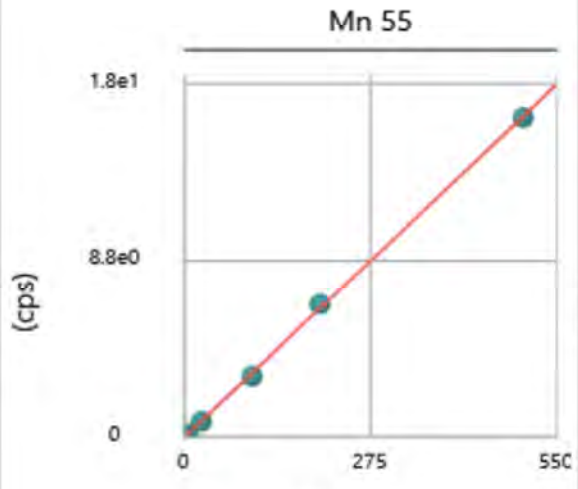
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



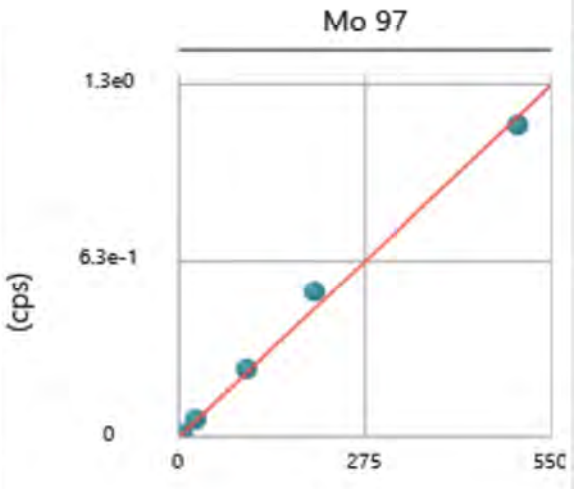
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000012 ug/L
DL : 0.012271 ug/L



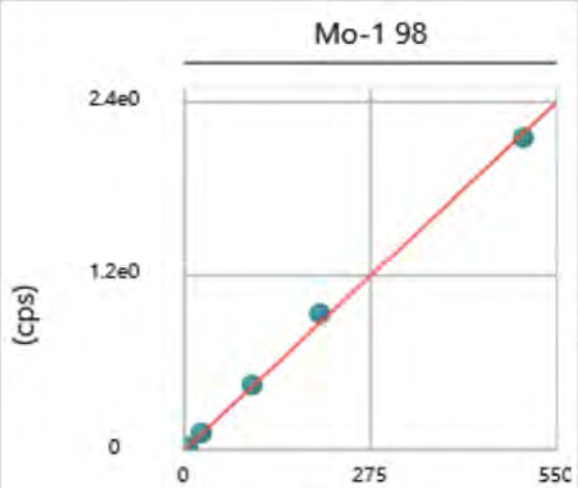
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000119 mg/L
DL : 0.077982 mg/L



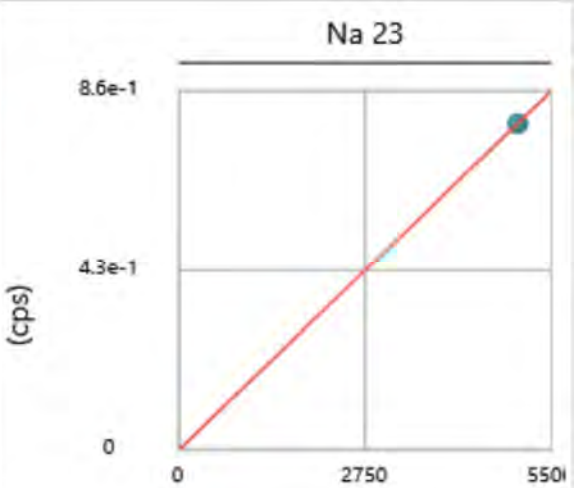
Eqn. : y = 0.032x + 0.000
Cor.Coeff. : 0.999872
BEC : 0.002356 ug/L
DL : 0.196218 ug/L



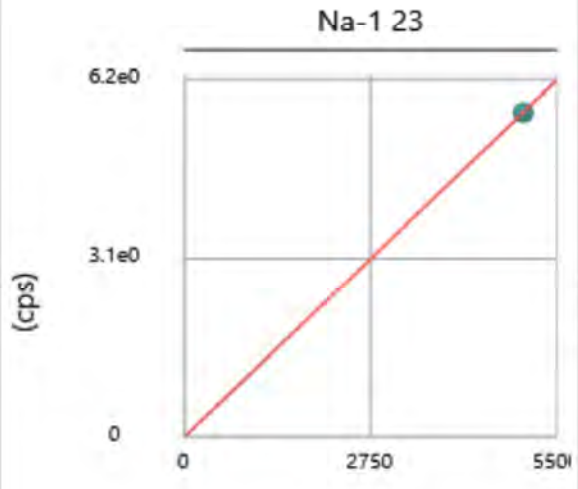
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.998412
BEC : -0.000304 ug/L
DL : 0.028162 ug/L



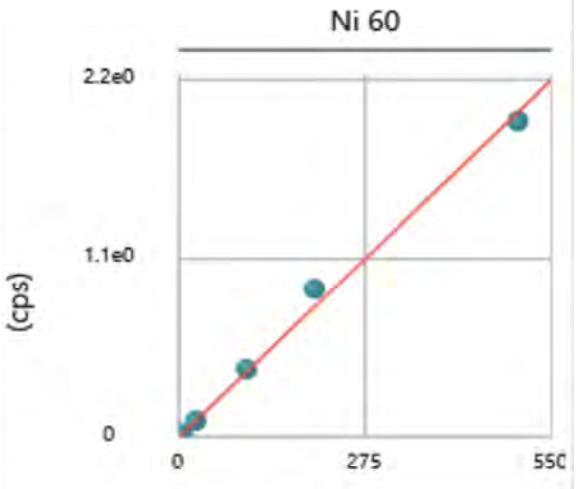
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999547
BEC : 0.000025 ug/L
DL : 0.023691 ug/L



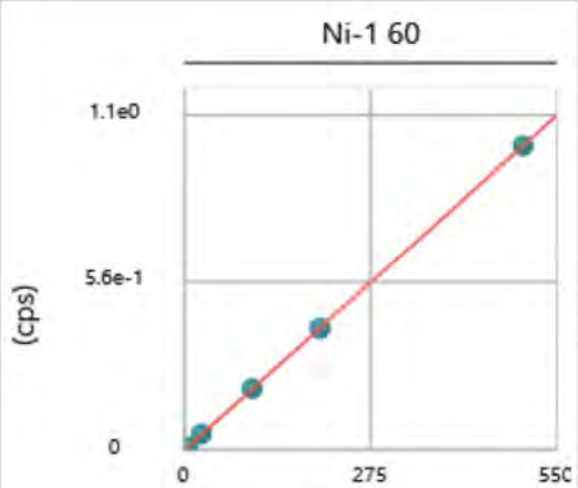
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.002485 ug/L
DL : 0.516286 ug/L



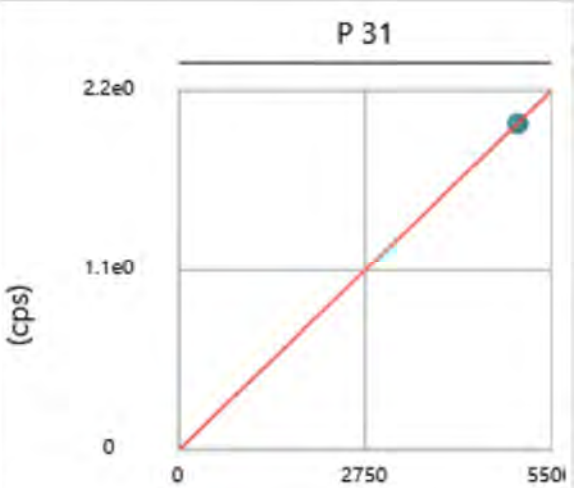
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000402 mg/L
DL : 0.403698 mg/L



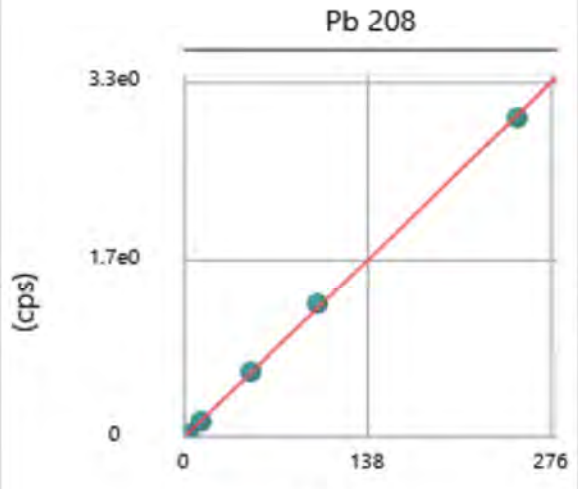
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.998341
BEC : 0.000098 ug/L
DL : 0.010059 ug/L



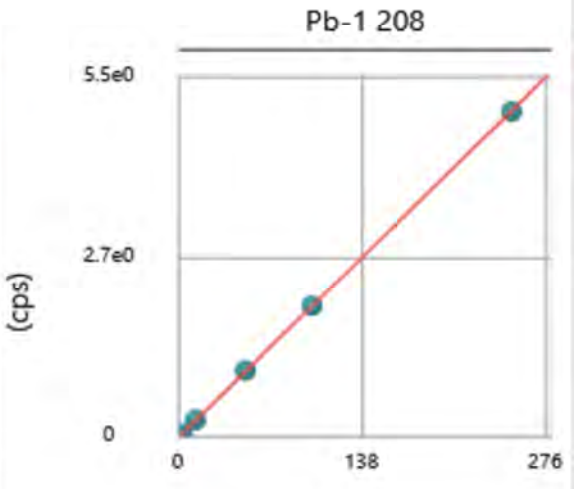
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999994
BEC : -0.000003 ug/L
DL : 0.004771 ug/L



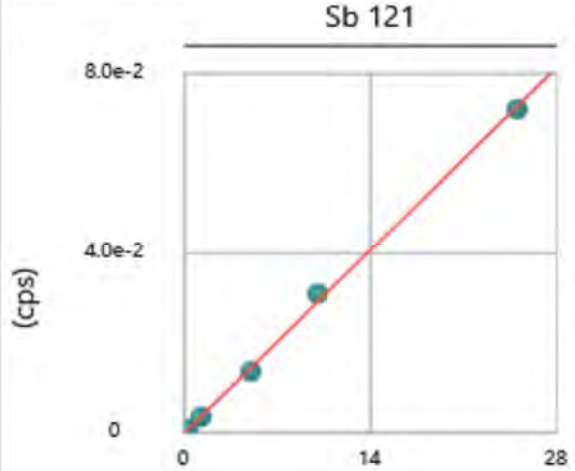
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.386069 ug/L
DL : 1033.133383 ug/L



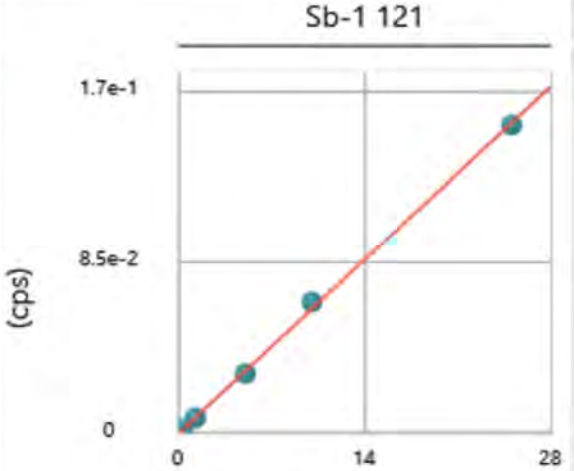
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999893
BEC : 0.000010 ug/L
DL : 0.000711 ug/L



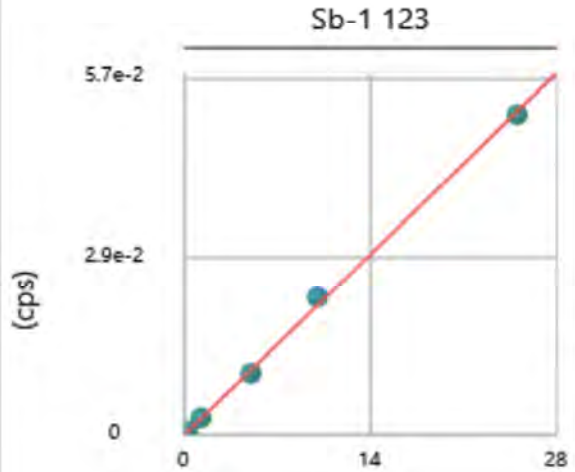
Eqn. : y = 0.020x + 0.000
Cor.Coeff. : 0.999987
BEC : 0.000002 ug/L
DL : 0.000465 ug/L



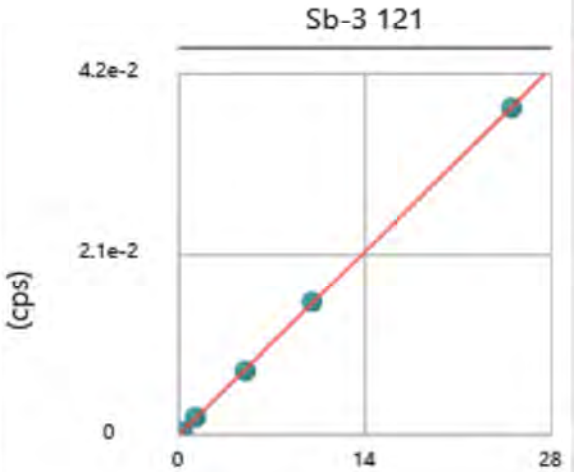
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999653
BEC : 0.000035 ug/L
DL : 0.002631 ug/L



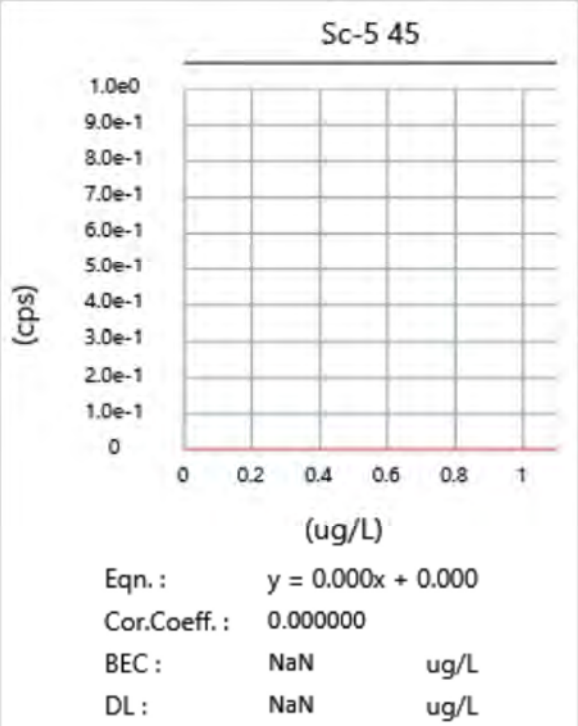
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999770
BEC : 0.000028 ug/L
DL : 0.002351 ug/L



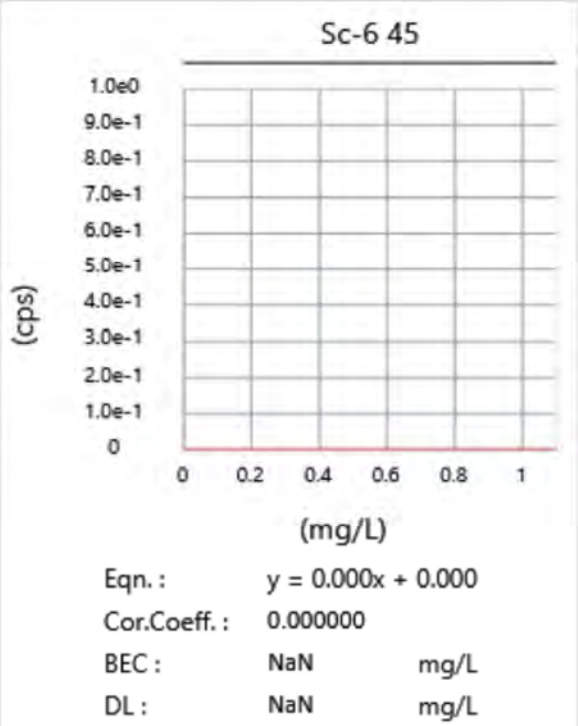
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999644
BEC : -0.000009 ug/L
DL : 0.003416 ug/L



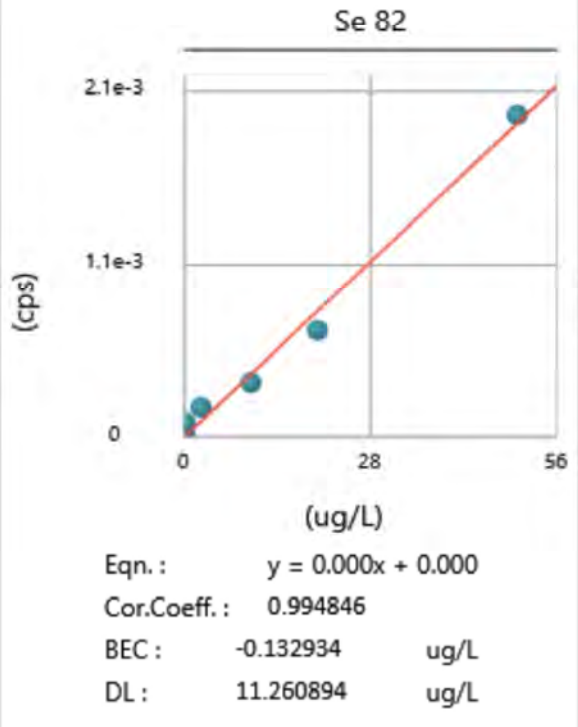
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999971
BEC : 0.000000 ug/L
DL : 0.002939 ug/L



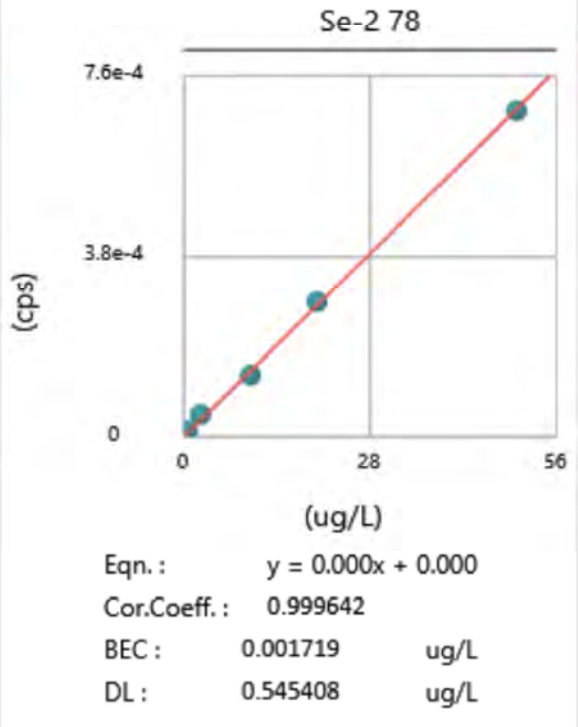
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



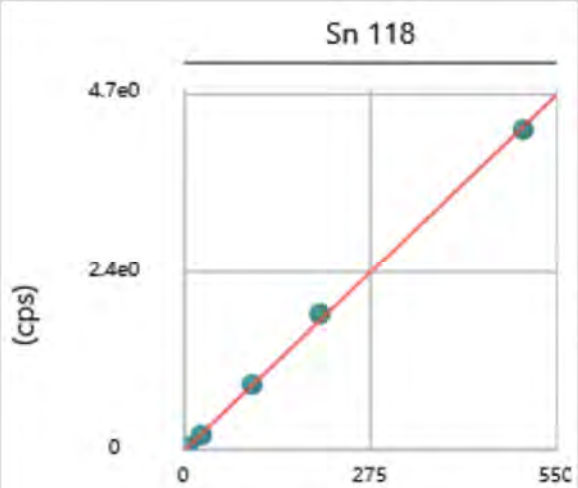
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN mg/L
DL : NaN mg/L



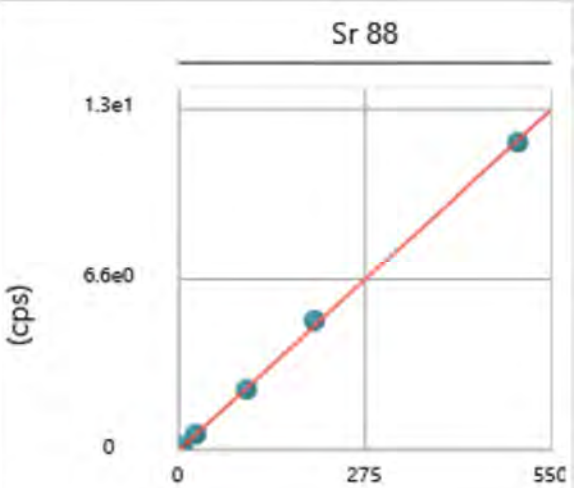
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.994846
BEC : -0.132934 ug/L
DL : 11.260894 ug/L



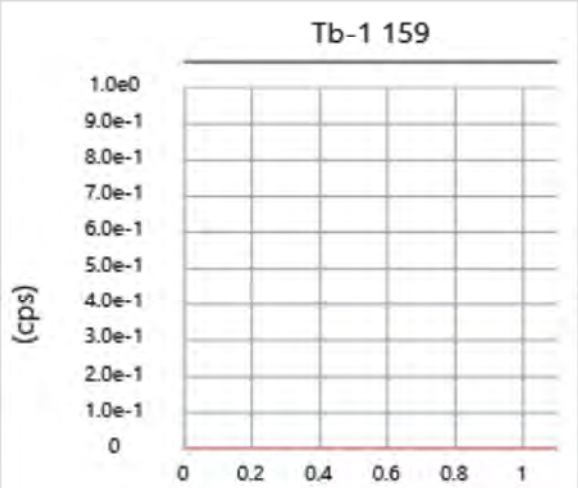
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999642
BEC : 0.001719 ug/L
DL : 0.545408 ug/L



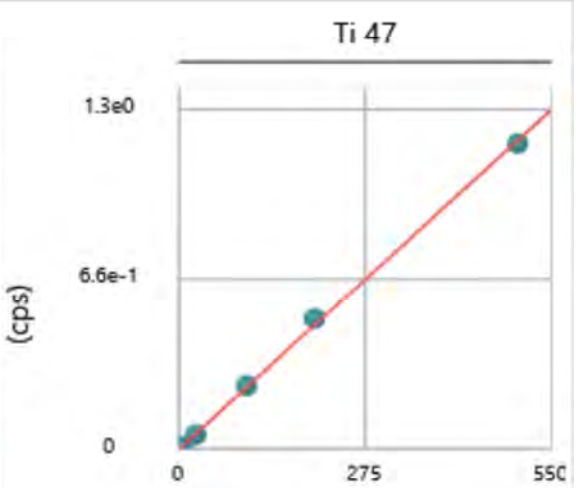
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999790
BEC : 0.000270 ug/L
DL : 0.028172 ug/L



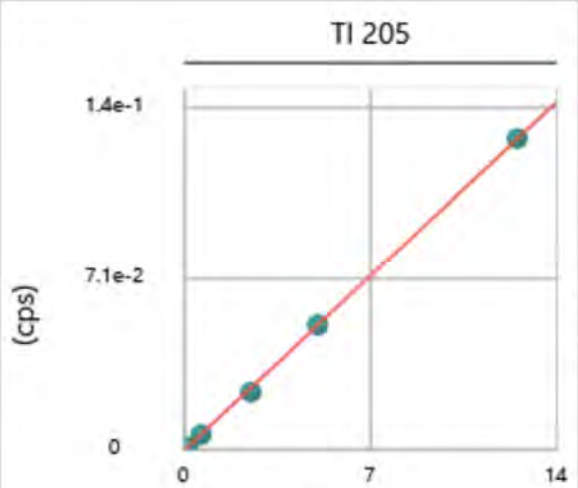
Eqn. : y = 0.024x + 0.000
Cor.Coeff. : 0.999855
BEC : -0.000006 ug/L
DL : 0.000469 ug/L



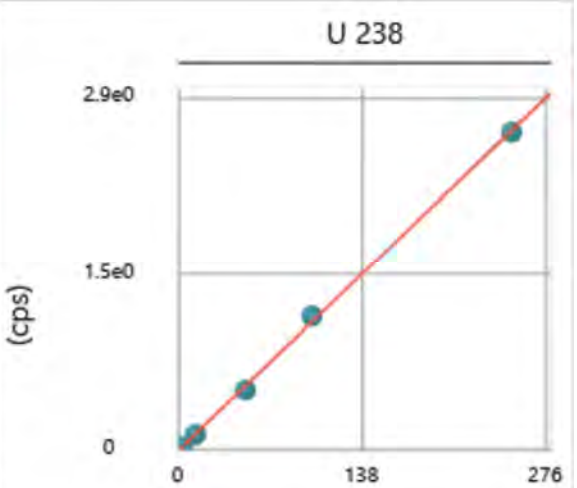
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



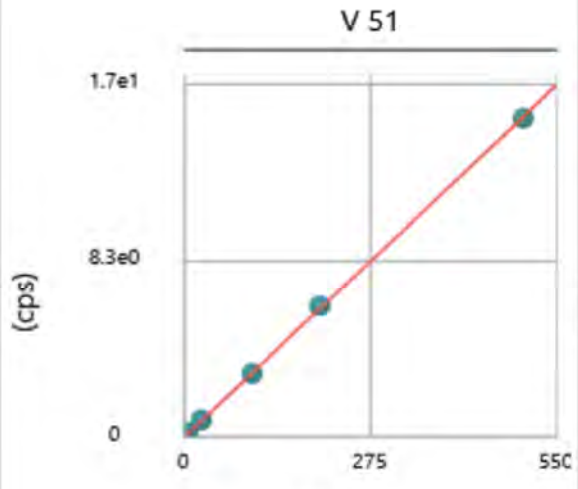
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999744
BEC : 0.001339 ug/L
DL : 0.099006 ug/L



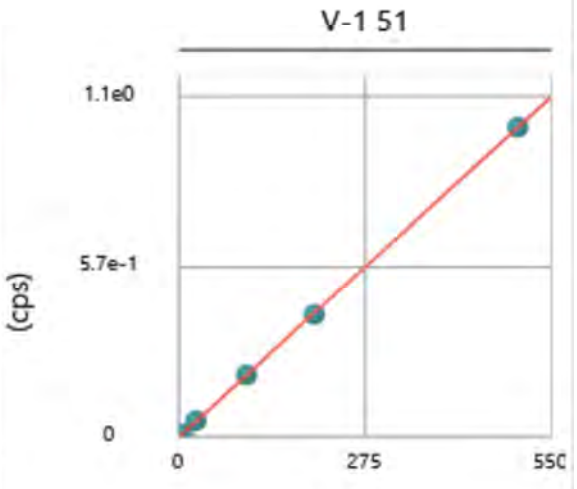
Eqn. : y = 0.010x + 0.000
Cor.Coeff. : 0.999926
BEC : -0.000003 ug/L
DL : 0.000187 ug/L



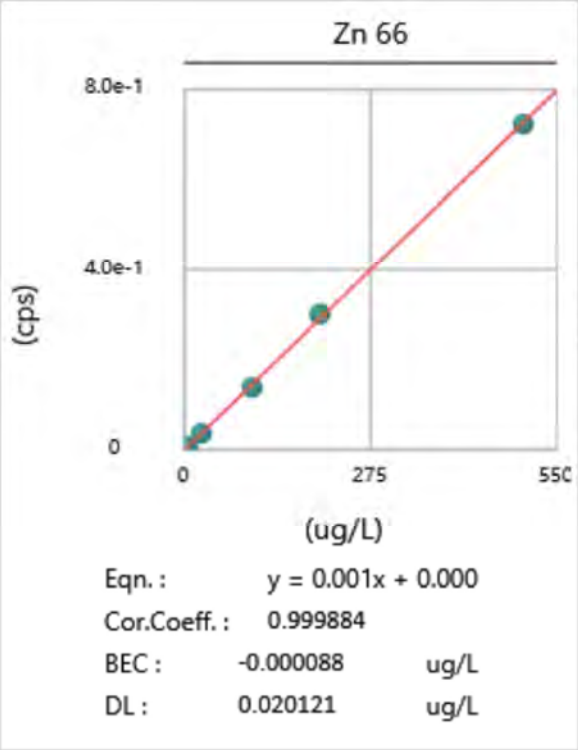
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999794
BEC : 0.000002 ug/L
DL : 0.000212 ug/L

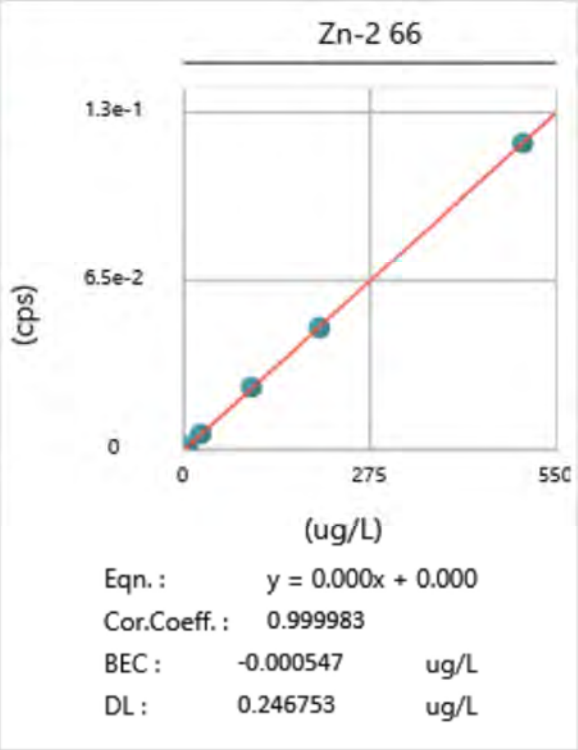


Eqn. : y = 0.030x + 0.000
Cor.Coeff. : 0.999939
BEC : 0.019939 ug/L
DL : 1.671168 ug/L



Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999984
BEC : 0.000031 ug/L
DL : 0.019783 ug/L


Zn 66
8.0e-1
4.0e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999884
BEC : -0.000088 ug/L
DL : 0.020121 ug/L


Zn-2 66
1.3e-1
6.5e-2
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999983
BEC : -0.000547 ug/L
DL : 0.246753 ug/L

Tunes

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 9/24/2021 9:36:42 AM
End Time: 9/24/2021 9:39:02 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 12428.40
Obtained Intensity (Mg 24): 65099.01
Obtained Intensity (In 115): 110245.94
Obtained Intensity (U 238): 72177.49
Obtained Intensity (Bkgd 220): 0.17
Obtained Formula (CeO 156 / Ce 140): 0.030 (=2921.70 / 97959.32)
Obtained Formula (Ce++ 70 / Ce 140): 0.020 (=1962.67 / 97959.32)
Obtained RSD (Be 9): 0.0071
Obtained RSD (Mg 24): 0.0146
Obtained RSD (In 115): 0.0111
Obtained RSD (U 238): 0.0096

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 9/24/2021 9:36:42 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 12428.40
Obtained Intensity (Mg 24): 65099.01
Obtained Intensity (In 115): 110245.94
Obtained Intensity (U 238): 72177.49
Obtained Intensity (Bkgd 220): 0.17
Obtained Formula (CeO 156 / Ce 140): 0.030 (=2921.70 / 97959.32)
Obtained Formula (Ce++ 70 / Ce 140): 0.020 (=1962.67 / 97959.32)
Obtained RSD (Be 9): 0.0071
Obtained RSD (Mg 24): 0.0146
Obtained RSD (In 115): 0.0111
Obtained RSD (U 238): 0.0096

[Passed] Optimum value(s): N/A

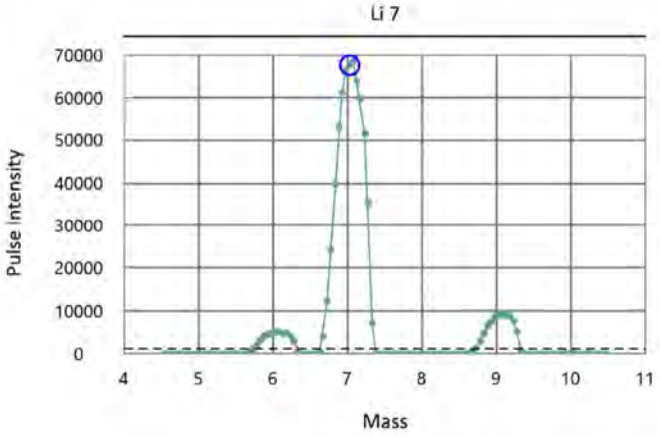
End Time: 9/24/2021 9:39:02 AM

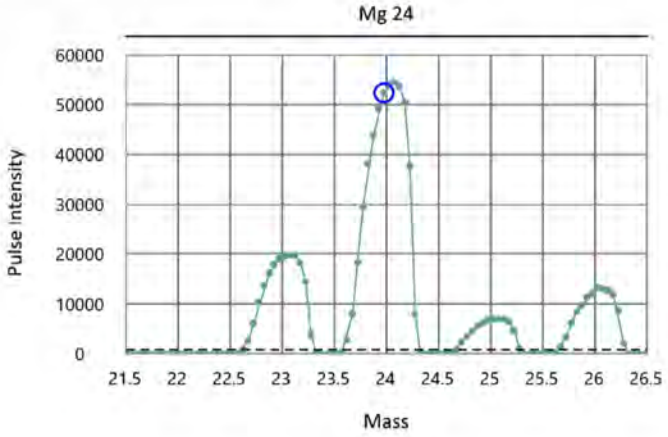
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.688)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.691)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.687)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.710)
Target/Obtained mass (238.05/238.025), Target/Obtained resolution (0.7/0.699)

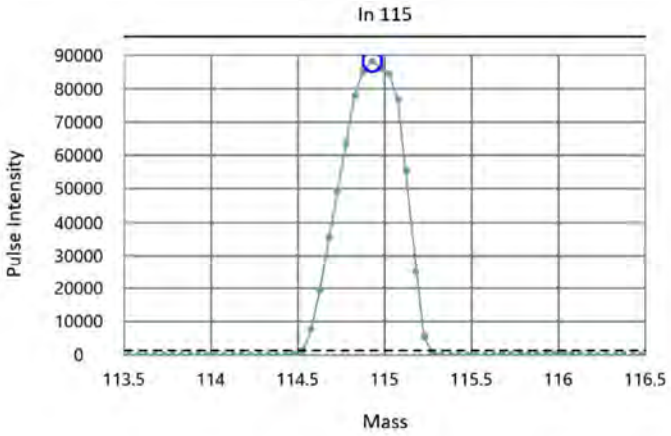
Acq. Date/Time: 9/24/2021 9:18:59 AM

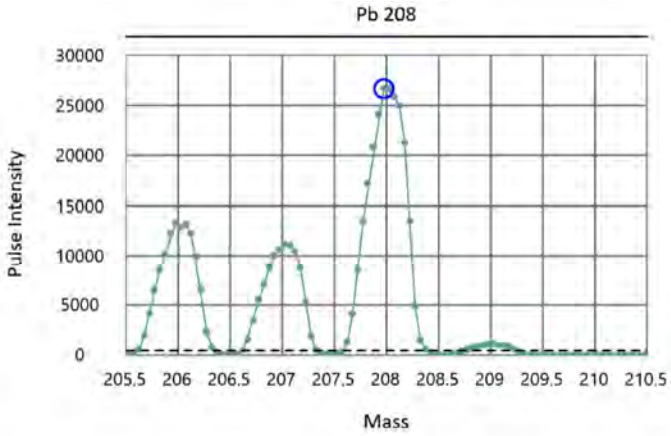
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

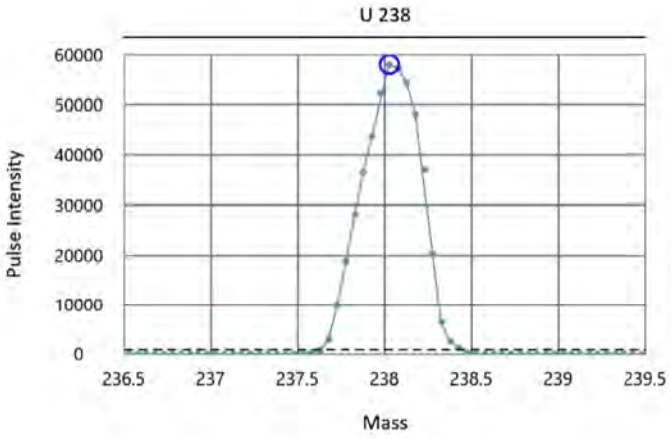
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1324	2022	0.688	
Mg	23.985	23.975	4709	2023	0.691	
In	114.904	114.925	22854	2041	0.687	
Pb	207.977	207.975	41416	2060	0.710	
U	238.05	238.025	47419	2067	0.699	











SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 9/27/2021 8:45:19 AM
End Time: 9/27/2021 8:47:44 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 6453.46
Obtained Intensity (Mg 24): 32762.67
Obtained Intensity (In 115): 66967.14
Obtained Intensity (U 238): 46641.69
Obtained Intensity (Bkgd 220): 0.43
Obtained Formula (CeO 156 / Ce 140): 0.016 (=1296.99 / 82901.13)
Obtained Formula (Ce++ 70 / Ce 140): 0.013 (=1070.51 / 82901.13)
Obtained RSD (Be 9): 0.0119
Obtained RSD (Mg 24): 0.0190
Obtained RSD (In 115): 0.0103
Obtained RSD (U 238): 0.0129

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 9/27/2021 8:45:19 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 6453.46
Obtained Intensity (Mg 24): 32762.67
Obtained Intensity (In 115): 66967.14
Obtained Intensity (U 238): 46641.69
Obtained Intensity (Bkgd 220): 0.43
Obtained Formula (CeO 156 / Ce 140): 0.016 (=1296.99 / 82901.13)
Obtained Formula (Ce++ 70 / Ce 140): 0.013 (=1070.51 / 82901.13)
Obtained RSD (Be 9): 0.0119
Obtained RSD (Mg 24): 0.0190
Obtained RSD (In 115): 0.0103
Obtained RSD (U 238): 0.0129

[Passed] Optimum value(s): N/A

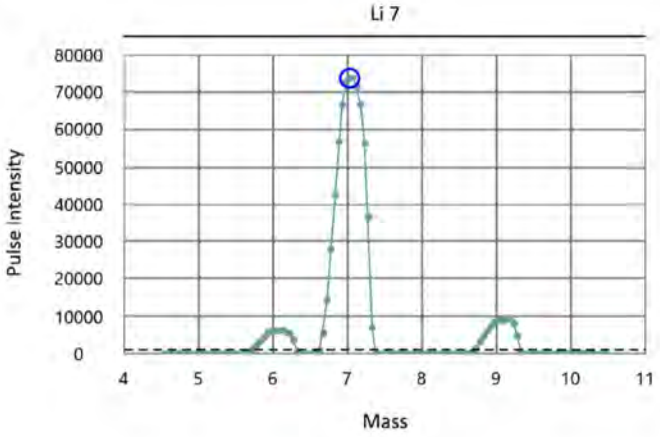
End Time: 9/27/2021 8:47:44 AM

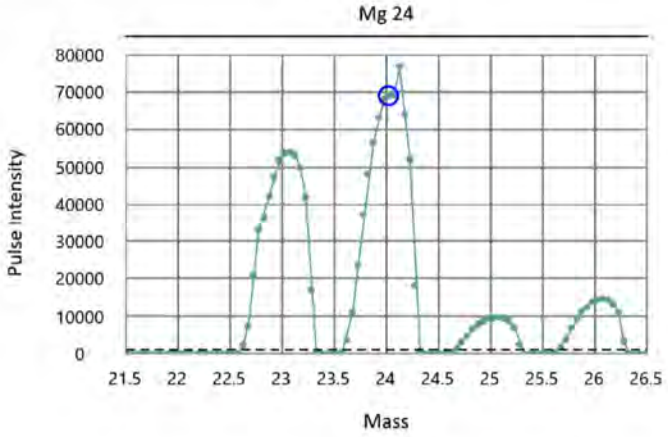
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.695)
Target/Obtained mass (23.985/24.025), Target/Obtained resolution (0.7/0.699)
Target/Obtained mass (114.904/114.875), Target/Obtained resolution (0.7/0.685)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.710)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.706)

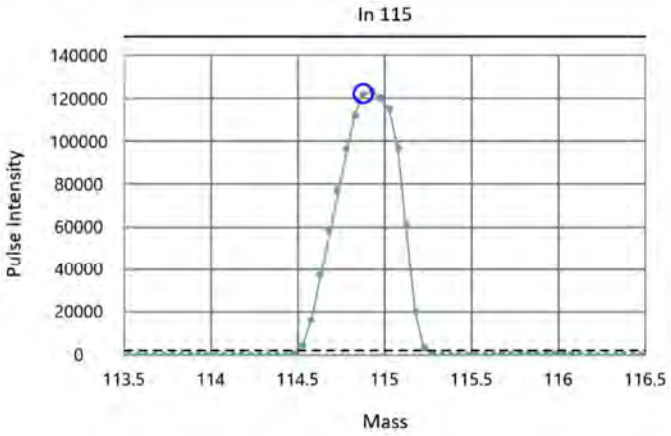
Acq. Date/Time: 9/27/2021 8:28:31 AM

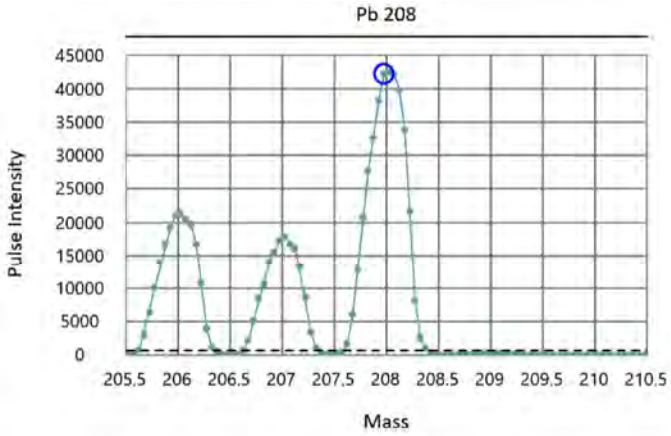
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

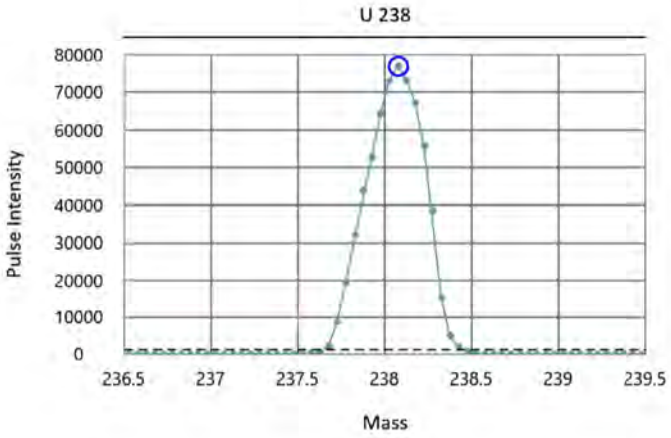
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1325	2022	0.695	
Mg	23.985	24.025	4716	2023	0.699	
In	114.904	114.875	22848	2041	0.685	
Pb	207.977	207.975	41415	2060	0.710	
U	238.05	238.075	47423	2067	0.706	











SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 9/28/2021 9:59:19 AM
End Time: 9/28/2021 10:01:43 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 12808.61
Obtained Intensity (Mg 24): 75931.07
Obtained Intensity (In 115): 110060.79
Obtained Intensity (U 238): 60914.68
Obtained Intensity (Bkgd 220): 0.27
Obtained Formula (CeO 156 / Ce 140): 0.025 (=2784.87 / 111369.79)
Obtained Formula (Ce++ 70 / Ce 140): 0.022 (=2463.75 / 111369.79)
Obtained RSD (Be 9): 0.0112
Obtained RSD (Mg 24): 0.0215
Obtained RSD (In 115): 0.0182
Obtained RSD (U 238): 0.0136

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

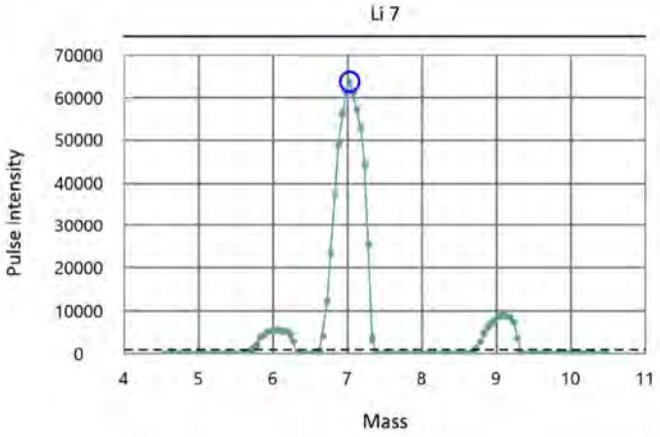
Wizard Status

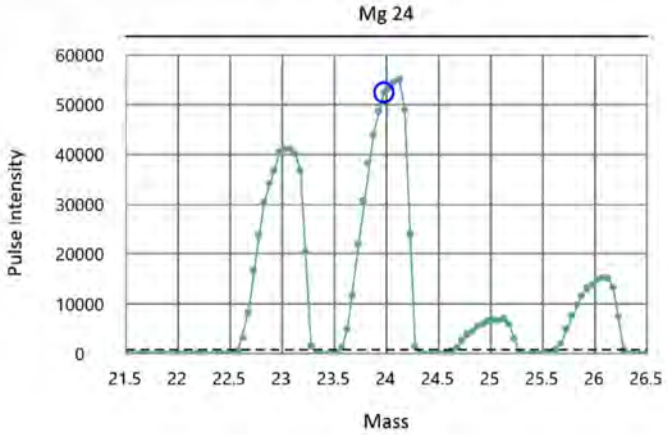
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.671)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.681)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.684)
Target/Obtained mass (207.977/208.025), Target/Obtained resolution (0.7/0.707)
Target/Obtained mass (238.05/238.025), Target/Obtained resolution (0.7/0.701)

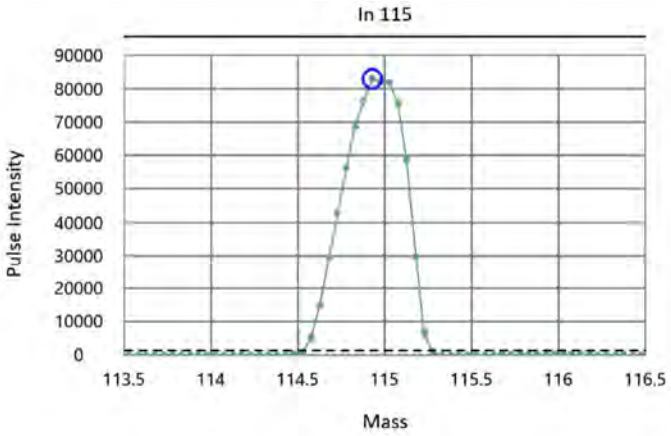
Acq. Date/Time: 9/28/2021 9:41:47 AM

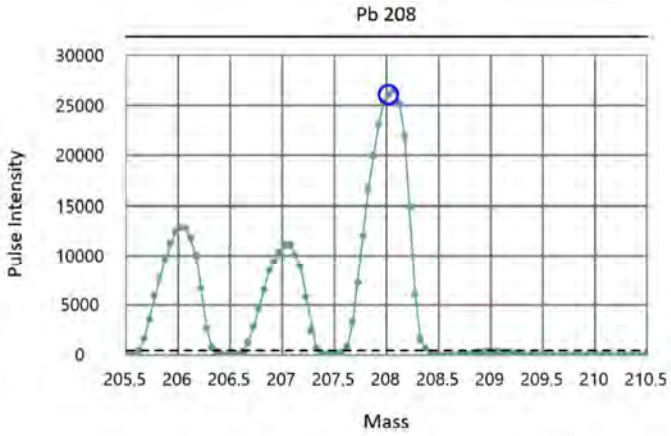
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

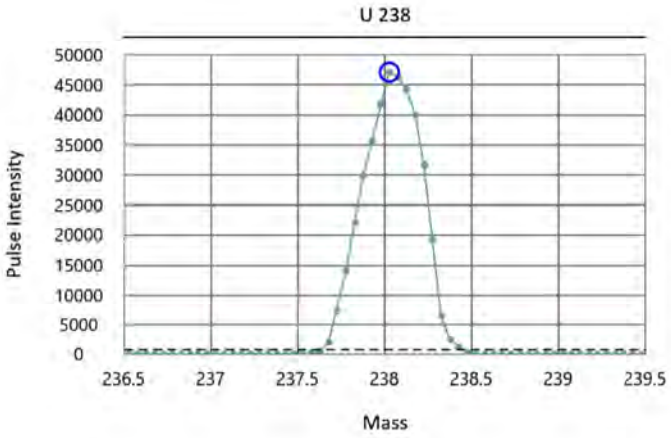
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1326	2022	0.671	
Mg	23.985	23.975	4714	2023	0.681	
In	114.904	114.925	22852	2041	0.684	
Pb	207.977	208.025	41424	2060	0.707	
U	238.05	238.025	47418	2067	0.701	











SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 9/30/2021 9:00:21 AM
End Time: 9/30/2021 9:02:41 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 8151.73
Obtained Intensity (Mg 24): 32650.74
Obtained Intensity (In 115): 53152.50
Obtained Intensity (U 238): 41583.84
Obtained Intensity (Bkgd 220): 0.17
Obtained Formula (CeO 156 / Ce 140): 0.021 (=1372.33 / 64764.55)
Obtained Formula (Ce++ 70 / Ce 140): 0.008 (=531.08 / 64764.55)
Obtained RSD (Be 9): 0.0126
Obtained RSD (Mg 24): 0.0146
Obtained RSD (In 115): 0.0081
Obtained RSD (U 238): 0.0128

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 9/30/2021 9:00:21 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 8151.73
Obtained Intensity (Mg 24): 32650.74
Obtained Intensity (In 115): 53152.50
Obtained Intensity (U 238): 41583.84
Obtained Intensity (Bkgd 220): 0.17
Obtained Formula (CeO 156 / Ce 140): 0.021 (=1372.33 / 64764.55)
Obtained Formula (Ce++ 70 / Ce 140): 0.008 (=531.08 / 64764.55)
Obtained RSD (Be 9): 0.0126
Obtained RSD (Mg 24): 0.0146
Obtained RSD (In 115): 0.0081
Obtained RSD (U 238): 0.0128

[Passed] Optimum value(s): N/A

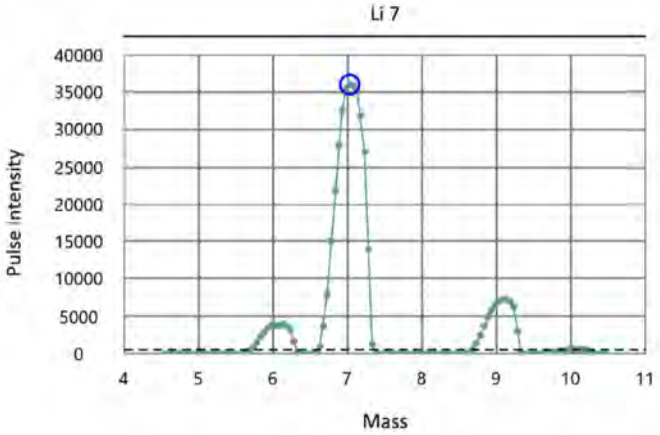
End Time: 9/30/2021 9:02:41 AM

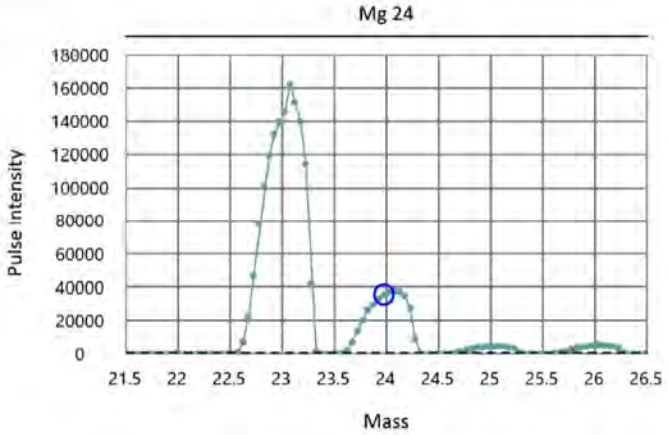
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.683)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.708)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.690)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.725)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.718)

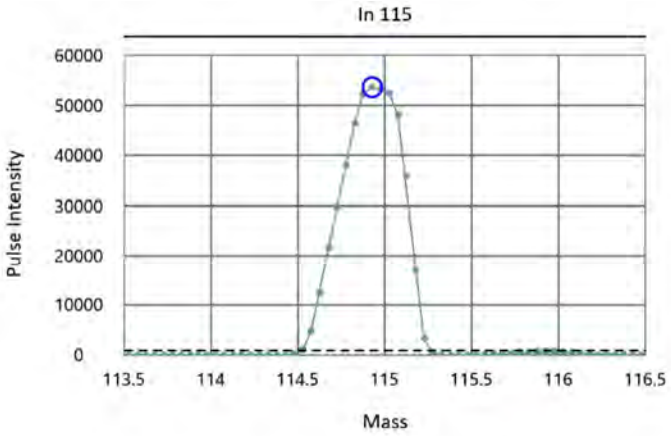
Acq. Date/Time: 9/30/2021 8:47:47 AM

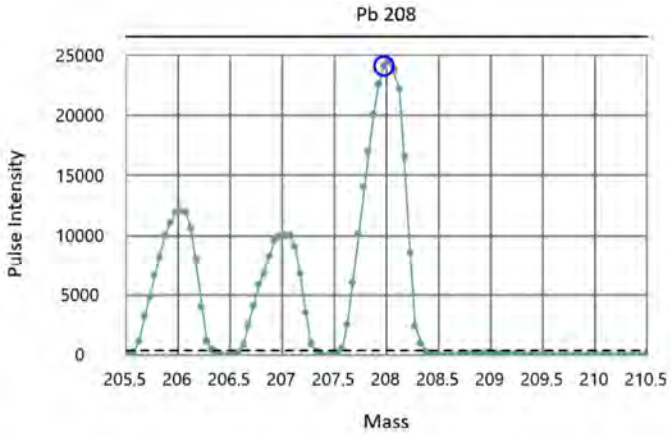
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

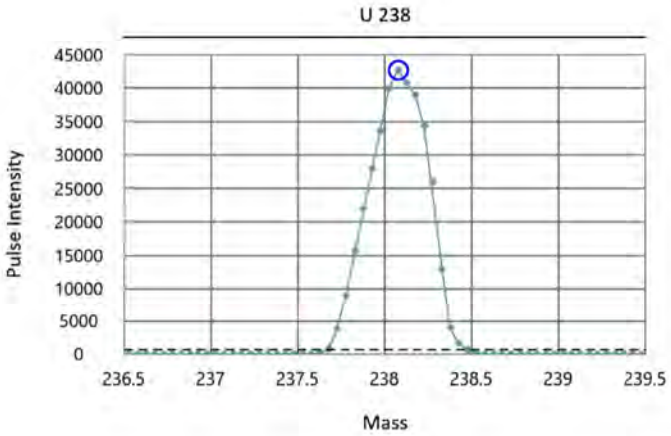
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1329	2022	0.683	
Mg	23.985	23.975	4708	2023	0.708	
In	114.904	114.925	22854	2041	0.690	
Pb	207.977	207.975	41421	2060	0.725	
U	238.05	238.075	47421	2067	0.718	











DATA SET for Review -- Deliverable Requirements

Polychlorinated Biphenyls (PCB) by EPA 8082

Fremont Analytical Work Order No. 2109371

Shannon & Wilson

Project Name: 8801 - Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information

Injection Log

Data Directory: D:\GC-16\Data\2021\082421\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	082401.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 11:09 am
2)	082402.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 11:18 am
3)	082403.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 11:28 am
4)	082404.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 11:38 am
5)	082405.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 11:51 am
6)	082406.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 12:01 pm
7)	082407.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 12:11 pm
8)	082408.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 12:20 pm
9)	082409.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 12:30 pm
10)	082410.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 12:40 pm
11)	082411.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 12:50 pm
12)	082412.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 12:59 pm
13)	082413.D	PCB_PEST_25PARAMS_200923.M			
CO			6	1.000	24 Aug 2021 01:42 pm
14)	082414.D	PCB_PEST_25PARAMS_200923.M			
1660	10		31	1.000	24 Aug 2021 01:52 pm
15)	082415.D	PCB_PEST_25PARAMS_200923.M			
1660	20		32	1.000	24 Aug 2021 02:02 pm
16)	082416.D	PCB_PEST_25PARAMS_200923.M			
1660	50		33	1.000	24 Aug 2021 02:12 pm
17)	082417.D	PCB_PEST_25PARAMS_200923.M			
1660	100		34	1.000	24 Aug 2021 02:21 pm
18)	082418.D	PCB_PEST_25PARAMS_200923.M			
1660	200		35	1.000	24 Aug 2021 02:31 pm
19)	082419.D	PCB_PEST_25PARAMS_200923.M			
1660	500		36	1.000	24 Aug 2021 02:41 pm
20)	082420.D	PCB_PEST_25PARAMS_200923.M			
1660	1000		37	1.000	24 Aug 2021 02:51 pm
21)	082421.D	PCB_PEST_25PARAMS_200923.M			
1660	2000		38	1.000	24 Aug 2021 03:01 pm

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 22) 082422.D              PCB_PEST_25PARAMS_200923.M
1660 ICB                                39    1.000     24 Aug 2021  03:10 pm
  ----------------------------------------------------------------------------
 23) 082423.D              PCB_PEST_25PARAMS_200923.M
1660 ICV                                40    1.000     24 Aug 2021  03:20 pm
  ----------------------------------------------------------------------------
 24) 082424.D              PCB_PEST_25PARAMS_200923.M
1254 10                                 41    1.000     24 Aug 2021  03:30 pm
  ----------------------------------------------------------------------------
 25) 082425.D              PCB_PEST_25PARAMS_200923.M
1254 20                                 42    1.000     24 Aug 2021  03:40 pm
  ----------------------------------------------------------------------------
 26) 082426.D              PCB_PEST_25PARAMS_200923.M
1254 50                                 43    1.000     24 Aug 2021  03:49 pm
  ----------------------------------------------------------------------------
 27) 082427.D              PCB_PEST_25PARAMS_200923.M
1254 100                                44    1.000     24 Aug 2021  03:59 pm
  ----------------------------------------------------------------------------
 28) 082428.D              PCB_PEST_25PARAMS_200923.M
1254 200                                45    1.000     24 Aug 2021  04:09 pm
  ----------------------------------------------------------------------------
 29) 082429.D              PCB_PEST_25PARAMS_200923.M
1254 500                                46    1.000     24 Aug 2021  04:19 pm
  ----------------------------------------------------------------------------
 30) 082430.D              PCB_PEST_25PARAMS_200923.M
1254 1000                               47    1.000     24 Aug 2021  04:29 pm
  ----------------------------------------------------------------------------
 31) 082431.D              PCB_PEST_25PARAMS_200923.M
1254 2000                               48    1.000     24 Aug 2021  04:38 pm
  ----------------------------------------------------------------------------
 32) 082432.D              PCB_PEST_25PARAMS_200923.M
1254 ICB                                49    1.000     24 Aug 2021  04:48 pm
  ----------------------------------------------------------------------------
 33) 082433.D              PCB_PEST_25PARAMS_200923.M
1254 ICV                                50    1.000     24 Aug 2021  04:58 pm
  ----------------------------------------------------------------------------
 34) 082503.D              PCB_PEST_25PARAMS_200923.M
1254-CCV-                                7    1.000     25 Aug 2021  08:45 am
  ----------------------------------------------------------------------------
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Injection Log

Data Directory: D:\GC-16\Data\2021\082521\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 082528.D	PCB_PEST_25PARAMS_200923.M			
No data found		0.000	N/A	
2) 082501.D	PCB_PEST_25PARAMS_200923.M			
CO		6	1.000	25 Aug 2021 08:25 am
3) 082502.D	PCB_PEST_25PARAMS_200923.M			
1660-CCV-		6	1.000	25 Aug 2021 08:35 am
4) 082503.D	PCB_PEST_25PARAMS_200923.M			
1254-CCV-		7	1.000	25 Aug 2021 08:45 am
5) 082504.D	PCB_PEST_25PARAMS_200923.M			
CO		40	1.000	25 Aug 2021 08:55 am
6) 082505.D	PCB_PEST_25PARAMS_200923.M			
1660 10		31	1.000	25 Aug 2021 09:04 am
7) 082506.D	PCB_PEST_25PARAMS_200923.M			
1660 20		32	1.000	25 Aug 2021 09:14 am
8) 082507.D	PCB_PEST_25PARAMS_200923.M			
1660 50		33	1.000	25 Aug 2021 09:24 am
9) 082508.D	PCB_PEST_25PARAMS_200923.M			
1660 100		34	1.000	25 Aug 2021 09:34 am
10) 082509.D	PCB_PEST_25PARAMS_200923.M			
1660 200		35	1.000	25 Aug 2021 09:44 am
11) 082510.D	PCB_PEST_25PARAMS_200923.M			
1660 500		36	1.000	25 Aug 2021 09:53 am
12) 082511.D	PCB_PEST_25PARAMS_200923.M			
1660 1000		37	1.000	25 Aug 2021 10:03 am
13) 082512.D	PCB_PEST_25PARAMS_200923.M			
1660 2000		38	1.000	25 Aug 2021 10:13 am
14) 082513.D	PCB_PEST_25PARAMS_200923.M			
1660 ICB		39	1.000	25 Aug 2021 10:23 am
15) 082514.D	PCB_PEST_25PARAMS_200923.M			
1660 ICV		40	1.000	25 Aug 2021 10:33 am
16) 082515.D	PCB_PEST_25PARAMS_200923.M			
CO		6	1.000	25 Aug 2021 10:54 am
17) 082516.D	PCB_PEST_25PARAMS_200923.M			
1660-CCV-33456A		6	1.000	25 Aug 2021 11:03 am
18) 082517.D	PCB_PEST_25PARAMS_200923.M			
1254-CCV-33456A		7	1.000	25 Aug 2021 11:13 am
19) 082518.D	PCB_PEST_25PARAMS_200923.M			
MB-33456		21	1.000	25 Aug 2021 11:23 am
20) 082519.D	PCB_PEST_25PARAMS_200923.M			
LCS1-33456		22	1.000	25 Aug 2021 11:33 am
21) 082520.D	PCB_PEST_25PARAMS_200923.M			
LCS2-33456		23	1.000	25 Aug 2021 11:43 am

22) 082521.D PCB_PEST_25PARAMS_200923.M
2108288-001A 24 1.000 25 Aug 2021 11:52 am

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23) 082522.D PCB_PEST_25PARAMS_200923.M
2108288-001AMS 25 1.000 25 Aug 2021 12:02 pm

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24) 082523.D PCB_PEST_25PARAMS_200923.M
2108288-001AMSD 26 1.000 25 Aug 2021 12:12 pm

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25) 082524.D PCB_PEST_25PARAMS_200923.M
2108288-005A 27 1.000 25 Aug 2021 12:22 pm

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26) 082525.D PCB_PEST_25PARAMS_200923.M
2108288-019A 28 1.000 25 Aug 2021 12:32 pm

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27) 082526.D PCB_PEST_25PARAMS_200923.M
2108288-021A 29 1.000 25 Aug 2021 12:41 pm

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28) 082527.D PCB_PEST_25PARAMS_200923.M
2108288-022A 30 1.000 25 Aug 2021 12:51 pm

Injection Log

Data Directory: D:\GC-16\Data\2021\092421\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 092435.D	8081_8082A_608.M			
No data found			0.000	N/A
2) 092401.D	8081_8082A_608.M			
CO		6	1.000	24 Sep 2021 07:51 am
3) 092402.D	8081_8082A_608.M			
CO		7	1.000	24 Sep 2021 08:01 am
4) 092403.D	8081_8082A_608.M			
1660-CCV-		6	1.000	24 Sep 2021 08:10 am
5) 092404.D	8081_8082A_608.M			
1254-CCV-		7	1.000	24 Sep 2021 08:20 am
6) 092405.D	8081_8082A_608.M			
MB-33796		11	1.000	24 Sep 2021 08:42 am
7) 092406.D	8081_8082A_608.M			
LCS1-33796		12	1.000	24 Sep 2021 08:52 am
8) 092407.D	8081_8082A_608.M			
LCS2-33796		13	1.000	24 Sep 2021 09:02 am
9) 092408.D	8081_8082A_608.M			
2109371-001A		14	1.000	24 Sep 2021 09:12 am
10) 092409.D	8081_8082A_608.M			
2109371-001AMS		15	1.000	24 Sep 2021 09:21 am
11) 092410.D	8081_8082A_608.M			
2109371-001AMSD		16	1.000	24 Sep 2021 09:31 am
12) 092411.D	8081_8082A_608.M			
2109371-002A		18	1.000	24 Sep 2021 09:41 am
13) 092412.D	8081_8082A_608.M			
2109371-003A		19	1.000	24 Sep 2021 09:51 am
14) 092413.D	8081_8082A_608.M			
2109371-004A		20	1.000	24 Sep 2021 10:01 am
15) 092414.D	8081_8082A_608.M			
2109371-006A		21	1.000	24 Sep 2021 10:10 am
16) 092415.D	8081_8082A_608.M			
2109371-007A		22	1.000	24 Sep 2021 10:20 am
17) 092416.D	8081_8082A_608.M			
2109371-010A		23	1.000	24 Sep 2021 10:30 am
18) 092417.D	8081_8082A_608.M			
2109371-012A		24	1.000	24 Sep 2021 10:40 am
19) 092418.D	8081_8082A_608.M			
2109371-014A		25	1.000	24 Sep 2021 10:50 am
20) 092419.D	8081_8082A_608.M			
2109371-016A		26	1.000	24 Sep 2021 10:59 am
21) 092420.D	8081_8082A_608.M			
2109371-018A		27	1.000	24 Sep 2021 11:09 am

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 22) 092421.D              8081_8082A_608.M
2109371-019A                              28    1.000     24 Sep 2021  11:19 am
  ------------------------------------------------------------------------------
 23) 092422.D              8081_8082A_608.M
1660-CCV-                                  6    1.000     24 Sep 2021  11:29 am
  ------------------------------------------------------------------------------
 24) 092423.D              8081_8082A_608.M
1254-CCV-                                  7    1.000     24 Sep 2021  11:39 am
  ------------------------------------------------------------------------------
 25) 092424.D              8081_8082A_608.M
CO                                         7    1.000     24 Sep 2021  01:09 pm
  ------------------------------------------------------------------------------
 26) 092425.D              8081_8082A_608.M
1254-CCV-                                  7    1.000     24 Sep 2021  01:19 pm
  ------------------------------------------------------------------------------
 27) 092426.D              8081_8082A_608.M
1254-CCV-                                  7    1.000     24 Sep 2021  01:29 pm
  ------------------------------------------------------------------------------
 28) 092427.D              8081_8082A_608.M
CO                                         7    1.000     24 Sep 2021  01:43 pm
  ------------------------------------------------------------------------------
 29) 092428.D              8081_8082A_608.M
1660-CCV-                                  6    1.000     24 Sep 2021  01:52 pm
  ------------------------------------------------------------------------------
 30) 092429.D              8081_8082A_608.M
1254-CCV-                                  7    1.000     24 Sep 2021  02:02 pm
  ------------------------------------------------------------------------------
 31) 092430.D              8081_8082A_608.M
MB-33809                                  31    1.000     24 Sep 2021  02:12 pm
  ------------------------------------------------------------------------------
 32) 092431.D              8081_8082A_608.M
LCS1-33809                                32    1.000     24 Sep 2021  02:22 pm
  ------------------------------------------------------------------------------
 33) 092432.D              8081_8082A_608.M
LCS1D-33809                               33    1.000     24 Sep 2021  02:31 pm
  ------------------------------------------------------------------------------
 34) 092433.D              8081_8082A_608.M
LCS2-33809                                34    1.000     24 Sep 2021  02:41 pm
  ------------------------------------------------------------------------------
 35) 092434.D              8081_8082A_608.M
2109371-020B                              37    1.000     24 Sep 2021  02:51 pm
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Injection Log

Data Directory: D:\GC-16\Data\2021\092421\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 092470.D	8081_8082A_608.M			
No data found			0.000	N/A
2) 092401.D	8081_8082A_608.M			
CO		6	1.000	24 Sep 2021 07:51 am
3) 092402.D	8081_8082A_608.M			
CO		7	1.000	24 Sep 2021 08:01 am
4) 092403.D	8081_8082A_608.M			
1660-CCV-		6	1.000	24 Sep 2021 08:10 am
5) 092404.D	8081_8082A_608.M			
1254-CCV-		7	1.000	24 Sep 2021 08:20 am
6) 092405.D	8081_8082A_608.M			
MB-33796		11	1.000	24 Sep 2021 08:42 am
7) 092406.D	8081_8082A_608.M			
LCS1-33796		12	1.000	24 Sep 2021 08:52 am
8) 092407.D	8081_8082A_608.M			
LCS2-33796		13	1.000	24 Sep 2021 09:02 am
9) 092408.D	8081_8082A_608.M			
2109371-001A		14	1.000	24 Sep 2021 09:12 am
10) 092409.D	8081_8082A_608.M			
2109371-001AMS		15	1.000	24 Sep 2021 09:21 am
11) 092410.D	8081_8082A_608.M			
2109371-001AMSD		16	1.000	24 Sep 2021 09:31 am
12) 092411.D	8081_8082A_608.M			
2109371-002A		18	1.000	24 Sep 2021 09:41 am
13) 092412.D	8081_8082A_608.M			
2109371-003A		19	1.000	24 Sep 2021 09:51 am
14) 092413.D	8081_8082A_608.M			
2109371-004A		20	1.000	24 Sep 2021 10:01 am
15) 092414.D	8081_8082A_608.M			
2109371-006A		21	1.000	24 Sep 2021 10:10 am
16) 092415.D	8081_8082A_608.M			
2109371-007A		22	1.000	24 Sep 2021 10:20 am
17) 092416.D	8081_8082A_608.M			
2109371-010A		23	1.000	24 Sep 2021 10:30 am
18) 092417.D	8081_8082A_608.M			
2109371-012A		24	1.000	24 Sep 2021 10:40 am
19) 092418.D	8081_8082A_608.M			
2109371-014A		25	1.000	24 Sep 2021 10:50 am
20) 092419.D	8081_8082A_608.M			
2109371-016A		26	1.000	24 Sep 2021 10:59 am
21) 092420.D	8081_8082A_608.M			
2109371-018A		27	1.000	24 Sep 2021 11:09 am

22) 092421.D 8081_8082A_608.M
2109371-019A 28 1.000 24 Sep 2021 11:19 am

23) 092422.D 8081_8082A_608.M
1660-CCV- 6 1.000 24 Sep 2021 11:29 am

24) 092423.D 8081_8082A_608.M
1254-CCV- 7 1.000 24 Sep 2021 11:39 am

25) 092424.D 8081_8082A_608.M
CO 7 1.000 24 Sep 2021 01:09 pm

26) 092425.D 8081_8082A_608.M
1254-CCV- 7 1.000 24 Sep 2021 01:19 pm

27) 092426.D 8081_8082A_608.M
1254-CCV- 7 1.000 24 Sep 2021 01:29 pm

28) 092427.D 8081_8082A_608.M
CO 7 1.000 24 Sep 2021 01:43 pm

29) 092428.D 8081_8082A_608.M
1660-CCV- 6 1.000 24 Sep 2021 01:52 pm

30) 092429.D 8081_8082A_608.M
1254-CCV- 7 1.000 24 Sep 2021 02:02 pm

31) 092430.D 8081_8082A_608.M
MB-33809 31 1.000 24 Sep 2021 02:12 pm

32) 092431.D 8081_8082A_608.M
LCS1-33809 32 1.000 24 Sep 2021 02:22 pm

33) 092432.D 8081_8082A_608.M
LCS1D-33809 33 1.000 24 Sep 2021 02:31 pm

34) 092433.D 8081_8082A_608.M
LCS2-33809 34 1.000 24 Sep 2021 02:41 pm

35) 092434.D 8081_8082A_608.M
2109371-020B 37 1.000 24 Sep 2021 02:51 pm

36) 092435.D 8081_8082A_608.M
2109371-025B 38 1.000 24 Sep 2021 03:01 pm

37) 092436.D 8081_8082A_608.M
2109371-030B 39 1.000 24 Sep 2021 03:11 pm

38) 092437.D 8081_8082A_608.M
2109313-001B 35 1.000 24 Sep 2021 03:20 pm

39) 092438.D 8081_8082A_608.M
2109313-001BMS 36 1.000 24 Sep 2021 03:30 pm

40) 092439.D 8081_8082A_608.M
co 4 1.000 24 Sep 2021 03:40 pm

41) 092440.D 8081_8082A_608.M
1660-CCV- 6 1.000 24 Sep 2021 03:50 pm

42) 092441.D 8081_8082A_608.M
1254-CCV- 7 1.000 24 Sep 2021 04:00 pm

43) 092442.D 8081_8082A_608.M
2109371-001A 14 1.000 24 Sep 2021 04:10 pm

44) 092443.D 8081_8082A_608.M
2109371-003A 19 1.000 24 Sep 2021 04:20 pm

45) 092444.D 8081_8082A_608.M

2109371-004A 20 1.000 24 Sep 2021 04:29 pm

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46) 092445.D 8081_8082A_608.M
2109371-014A 25 1.000 24 Sep 2021 04:39 pm

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47) 092446.D 8081_8082A_608.M
2109371-016A 26 1.000 24 Sep 2021 04:49 pm

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48) 092447.D 8081_8082A_608.M
2109371-018A 27 1.000 24 Sep 2021 04:59 pm

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49) 092448.D 8081_8082A_608.M
2109371-019A 28 1.000 24 Sep 2021 05:09 pm

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50) 092449.D 8081_8082A_608.M
1660-CCV- 6 1.000 24 Sep 2021 05:18 pm

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51) 092450.D 8081_8082A_608.M
1254-CCV- 7 1.000 24 Sep 2021 05:28 pm

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52) 092451.D 8081_8082A_608.M
1660-CCV- 4 1.000 24 Sep 2021 05:38 pm

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53) 092452.D 8081_8082A_608.M
1254-CCV- 5 1.000 24 Sep 2021 05:48 pm

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54) 092453.D 8081_8082A_608.M
MB-33821 41 1.000 24 Sep 2021 05:58 pm

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55) 092454.D 8081_8082A_608.M
LCS1-33821 42 1.000 24 Sep 2021 06:07 pm

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56) 092455.D 8081_8082A_608.M
LCS2-33821 43 1.000 24 Sep 2021 06:17 pm

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57) 092456.D 8081_8082A_608.M
2109371-006A 46 1.000 24 Sep 2021 06:27 pm

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58) 092457.D 8081_8082A_608.M
2109394-001A 47 1.000 24 Sep 2021 06:37 pm

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59) 092458.D 8081_8082A_608.M
2109394-002A 48 1.000 24 Sep 2021 06:46 pm

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60) 092459.D 8081_8082A_608.M
2109394-003A 49 1.000 24 Sep 2021 06:56 pm

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61) 092460.D 8081_8082A_608.M
2109394-004A 50 1.000 24 Sep 2021 07:06 pm

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62) 092461.D 8081_8082A_608.M
2109394-005A 51 1.000 24 Sep 2021 07:16 pm

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63) 092462.D 8081_8082A_608.M
2109394-006A 52 1.000 24 Sep 2021 07:26 pm

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64) 092463.D 8081_8082A_608.M
2109394-007A 53 1.000 24 Sep 2021 07:35 pm

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65) 092464.D 8081_8082A_608.M
2109394-008A 54 1.000 24 Sep 2021 07:45 pm

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66) 092465.D 8081_8082A_608.M
2109394-009A 55 1.000 24 Sep 2021 07:55 pm

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67) 092466.D 8081_8082A_608.M
2109394-010A 56 1.000 24 Sep 2021 08:05 pm

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68) 092467.D 8081_8082A_608.M
2109394-010AMS 57 1.000 24 Sep 2021 08:15 pm

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 69) 092468.D              8081_8082A_608.M
2109394-010AMSD                           58    1.000     24 Sep 2021  08:24 pm
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 70) 092469.D              8081_8082A_608.M
2109394-011A                              59    1.000     24 Sep 2021  08:34 pm
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Calibration

PCB Calibration

Date: 08/24/21

Analyst: Sam Beerman

Hexane: 5813

Cal		ICV	
Aroclor 1660:	25029	Aroclor 1660:	24706
Aroclor 1254:	25486	Aroclor 1254:	24708

Surrogate: 25760

Spike Conc. (ppb)	Surr Conc. (ppb)	2° Spike (uL)	1° Spike (uL)	Surr (uL)	Remove (uL)	Final Vol. (mL)	Comments
10	2	5	--	--	5	1	
20	4	10	--	--	10	1	
50	10	25	--	--	25	1	
100	20	50	--	--	50	1	
200	40	100	--	--	100	1	
500	100	250	--	--	250	1	
1000	200	--	1	10	~~210~~ 190	1	
2000	400	--	2	20	~~422~~ 380	1	
ICB	200	--	--	10	10	1	
ICV (1000 ppb)	200	--	1	10	~~211~~ 190	1	

31 41

Erg 8/29/21

	1660 (uL)	1254 (uL)	Surr (uL)	Final Volume (mL)
2° Intermediate (1660)	2	--	20	1
2° Intermediate (1254)	--	2	20	1

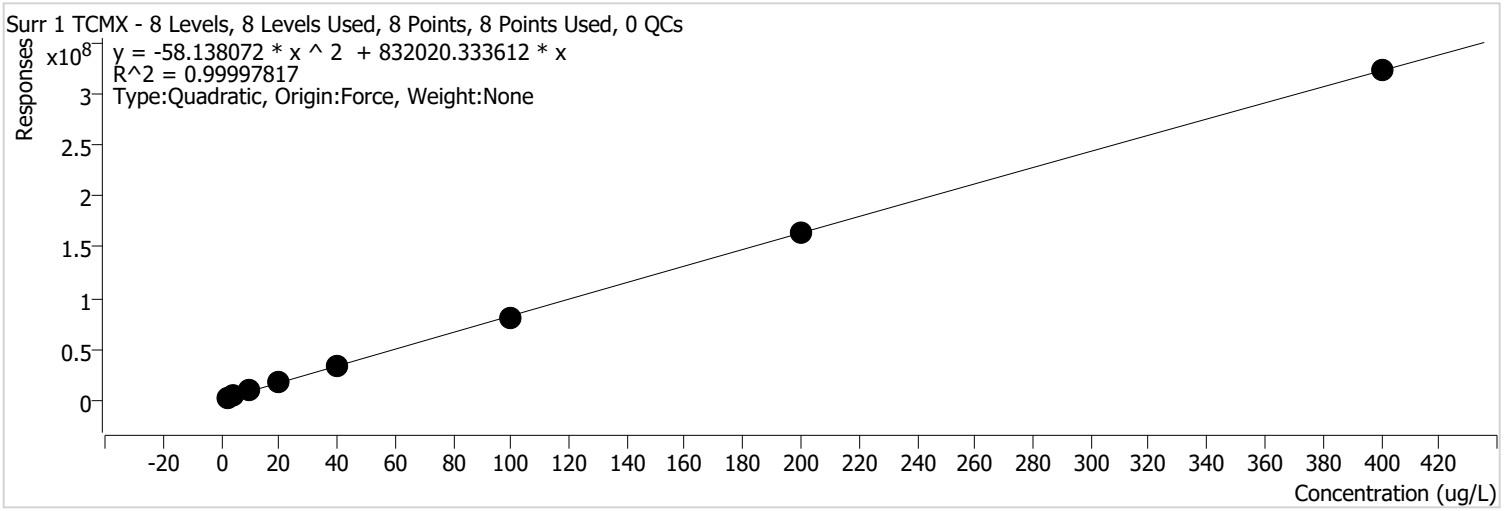
Signature and Date: Sam Beerman 08/24/21

Signature: EM

Calibration Report

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:54 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 1 TCMX %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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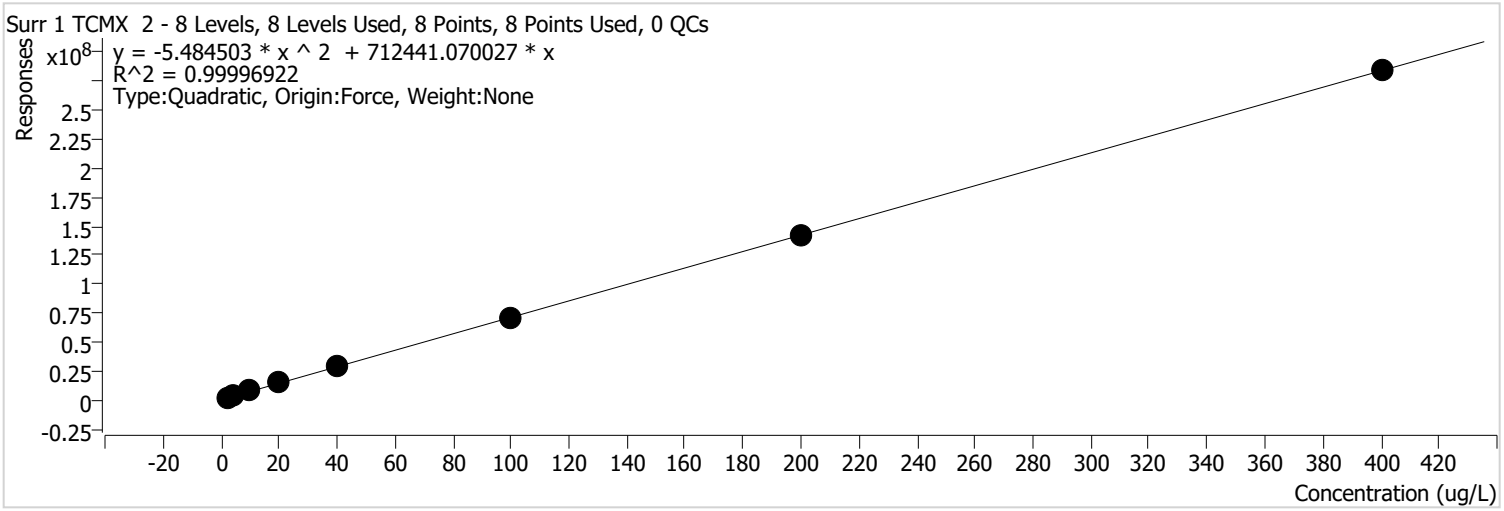
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	3679208	4.0000	919802.0363	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	8609219	10.0000	860921.8588	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	17048741	20.0000	852437.0677	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	33820225	40.0000	845505.6248	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	81635271	100.0000	816352.7136	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	164461317	200.0000	822306.5852	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	323464307	400.0000	808660.7681	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 1 TCMX 2 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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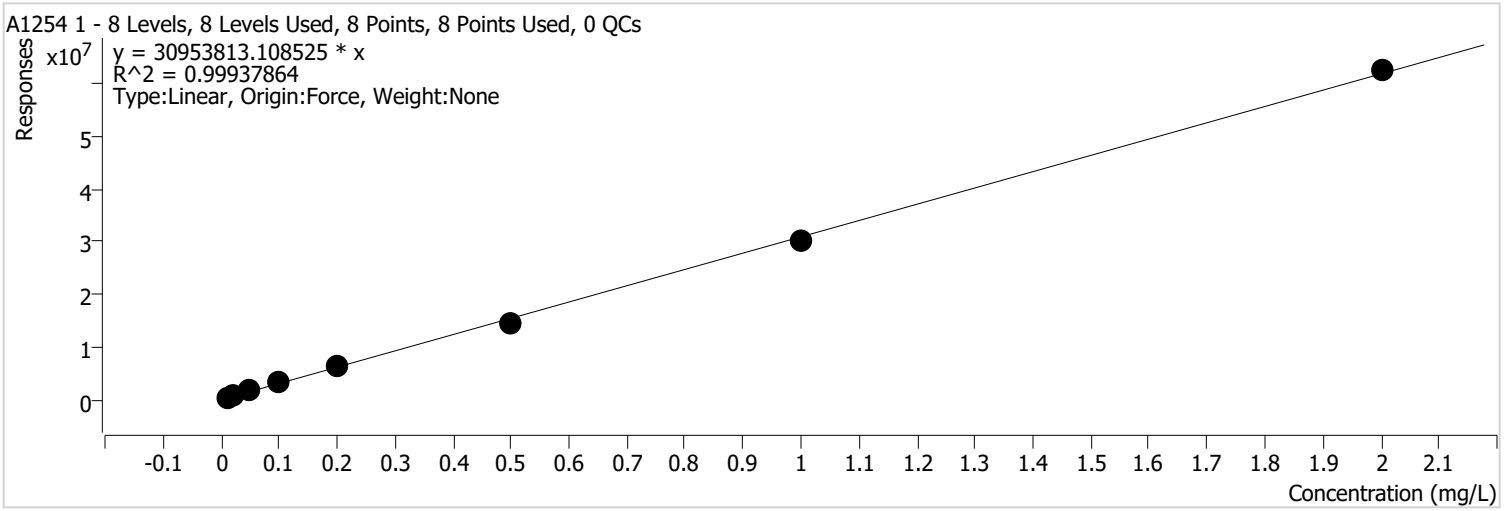
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	3186724	4.0000	796680.9040	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	7361985	10.0000	736198.4611	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	14626897	20.0000	731344.8657	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	29105258	40.0000	727631.4419	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	70117986	100.0000	701179.8578	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	142736889	200.0000	713684.4473	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	284041545	400.0000	710103.8634	

Calibration Report

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 1 %RSE = 18.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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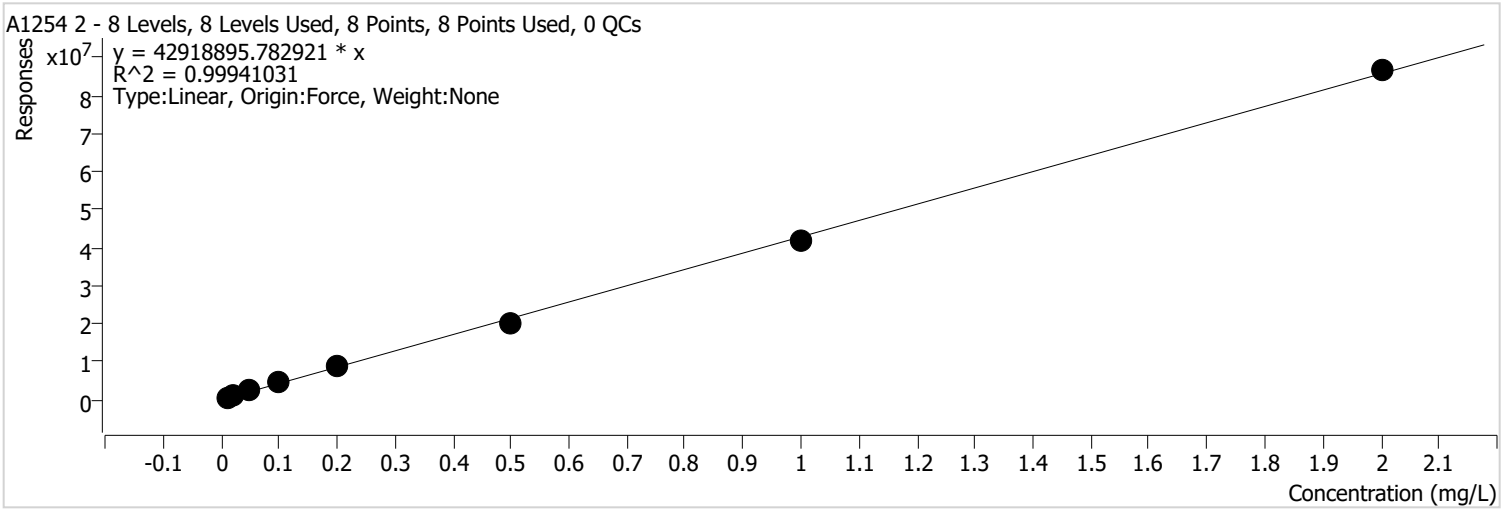
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	778679	0.0200	38933933.4063	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	1706935	0.0500	34138696.4515	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	3359446	0.1000	33594464.7836	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	6496504	0.2000	32482521.0796	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	14506240	0.5000	29012480.5557	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	30209659	1.0000	30209658.9072	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	62472470	2.0000	31236235.2346	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 2 %RSE = 13.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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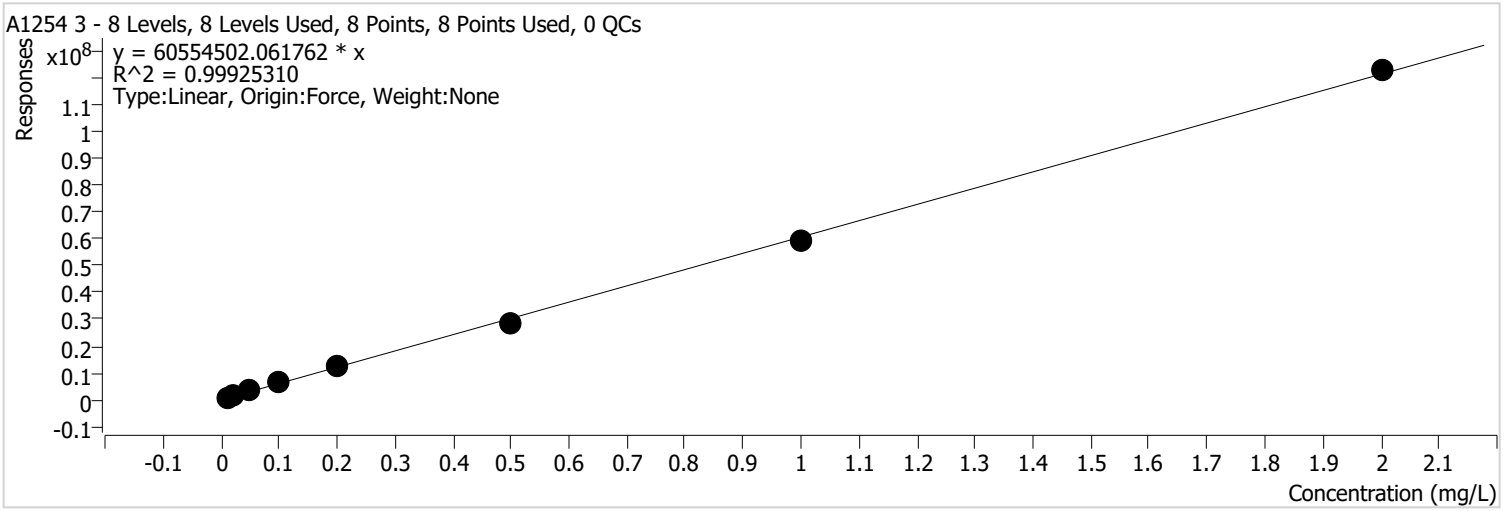
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	1045519	0.0200	52275938.8437	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	2327042	0.0500	46540835.1970	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	4657192	0.1000	46571916.0184	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	8924432	0.2000	44622160.6972	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	20088535	0.5000	40177069.6235	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	41952089	1.0000	41952089.0662	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	86604729	2.0000	43302364.3861	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 3 %RSE = 15.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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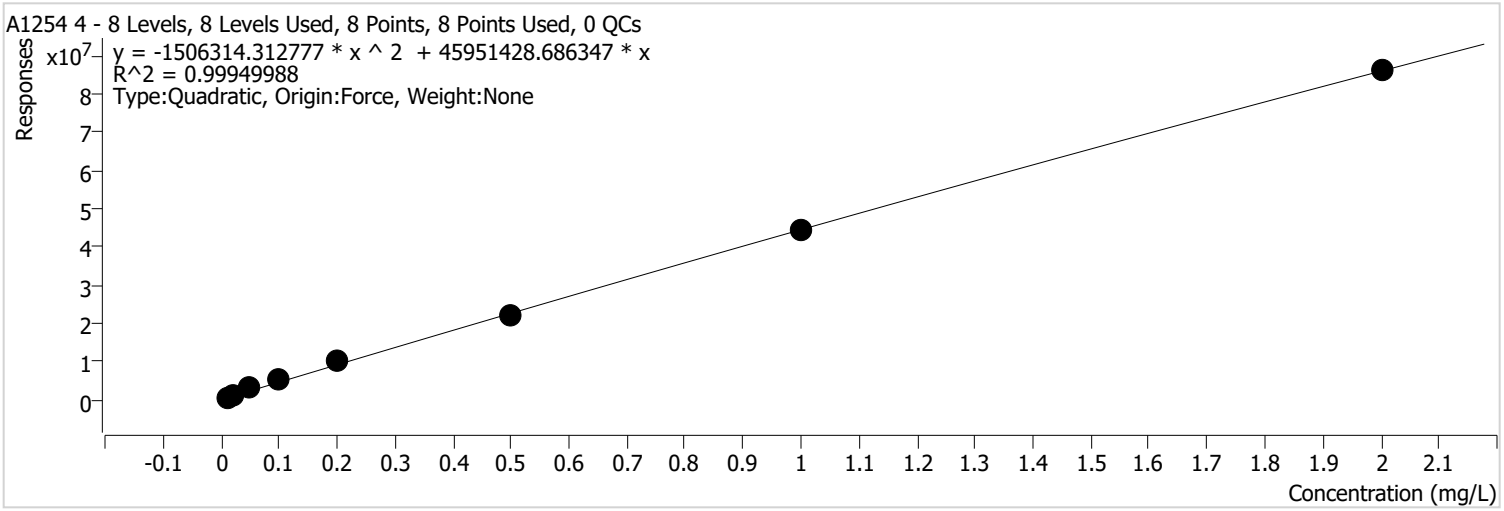
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	3590509	0.0500	71810185.3814	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	6667497	0.1000	66674973.5967	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	12680705	0.2000	63403523.2903	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	28307201	0.5000	56614401.1690	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	58860340	1.0000	58860340.1153	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	122343462	2.0000	61171730.9329	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 4 %RSE = 23.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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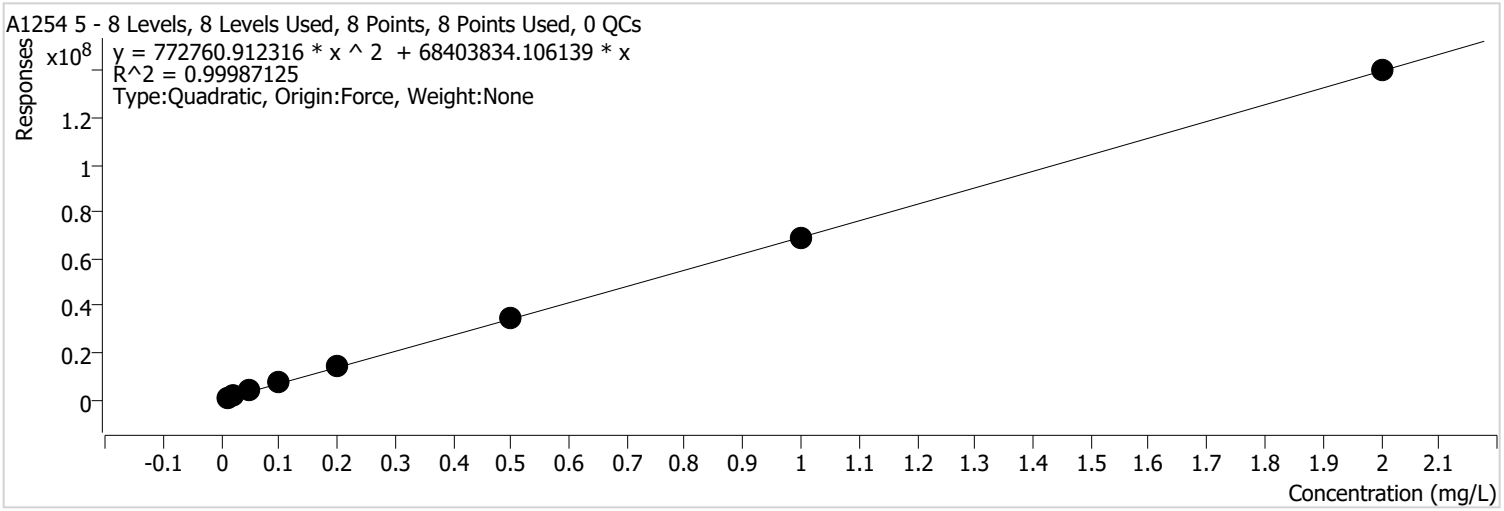
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	1091150	0.0200	54557513.9551	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	3193091	0.0500	63861819.9046	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	5577882	0.1000	55778816.1059	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	10044963	0.2000	50224817.4509	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	21944291	0.5000	43888582.6835	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	44321204	1.0000	44321203.9751	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	85937280	2.0000	42968640.1981	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

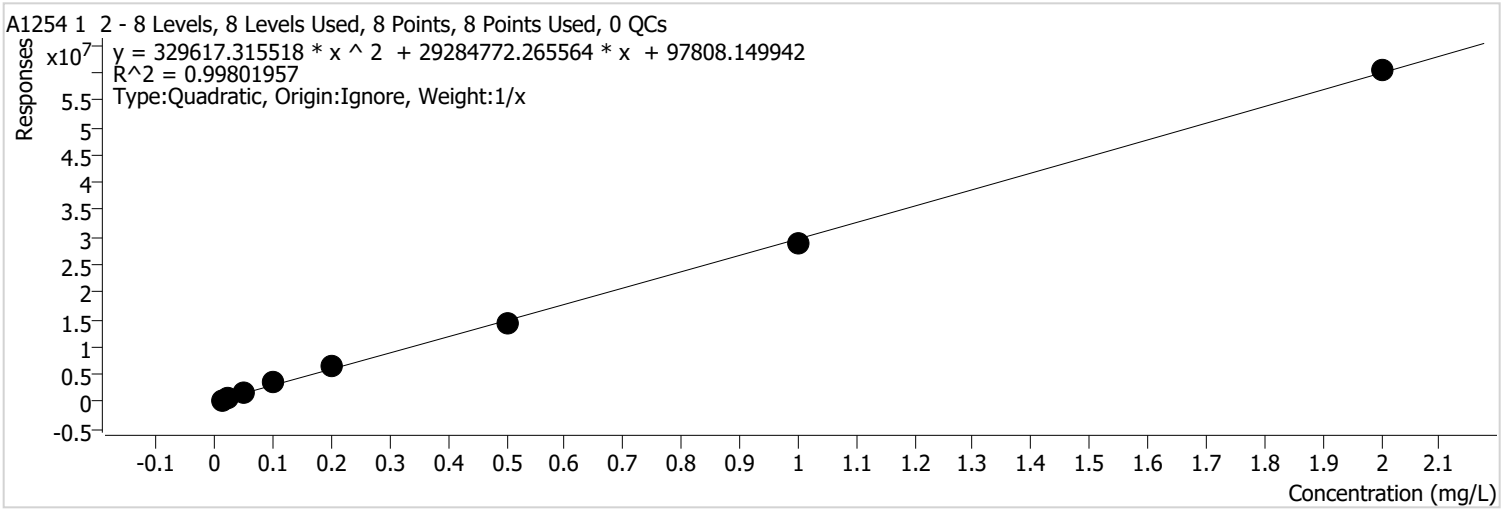
A1254 5 %RSE = 10.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082421\082424.D	Calibration	1	x	751968	0.0100	75196812.5000	
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	1525614	0.0200	76280682.5000	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	3887643	0.0500	77752857.3655	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	7023559	0.1000	70235587.0000	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	14893910	0.2000	74469550.5451	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	34569457	0.5000	69138914.9727	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	68533929	1.0000	68533928.8626	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	140035912	2.0000	70017956.0982	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

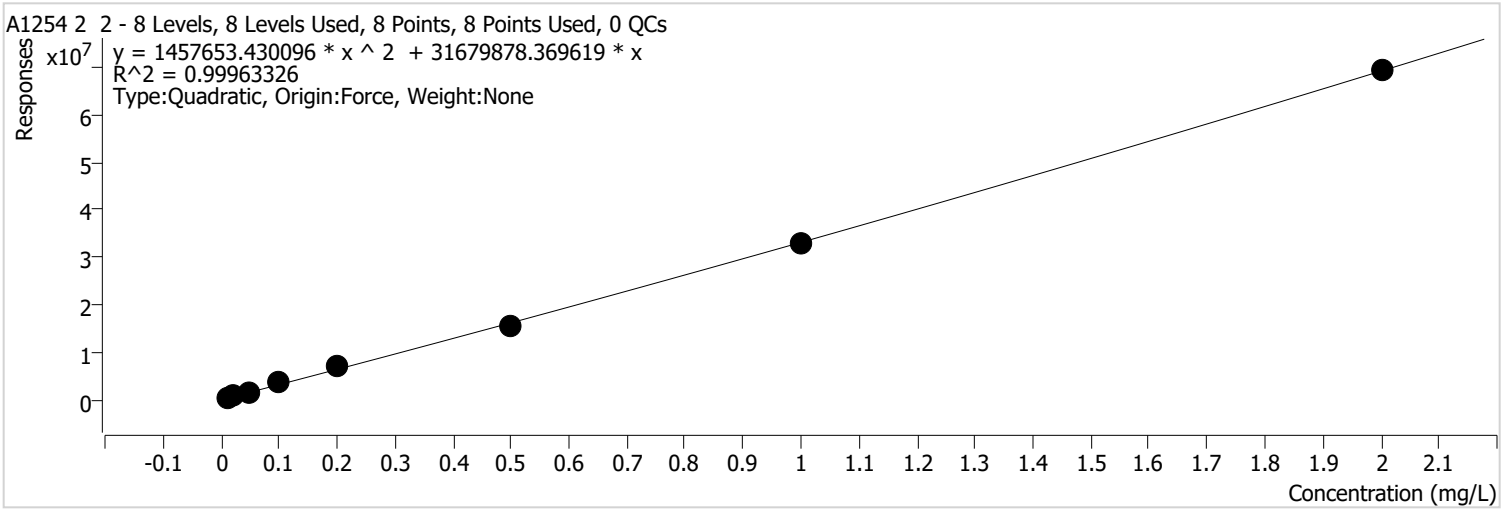
A1254 1 2 %RSE = 11.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082421\082424.D	Calibration	1	x	356300	0.0100	35630024.7137	
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	663546	0.0200	33177315.0000	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	1468151	0.0500	29363015.0000	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	3605397	0.1000	36053967.1140	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	6446736	0.2000	32233678.4462	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	14115670	0.5000	28231339.2650	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	29109637	1.0000	29109637.1842	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	60389906	2.0000	30194952.8498	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

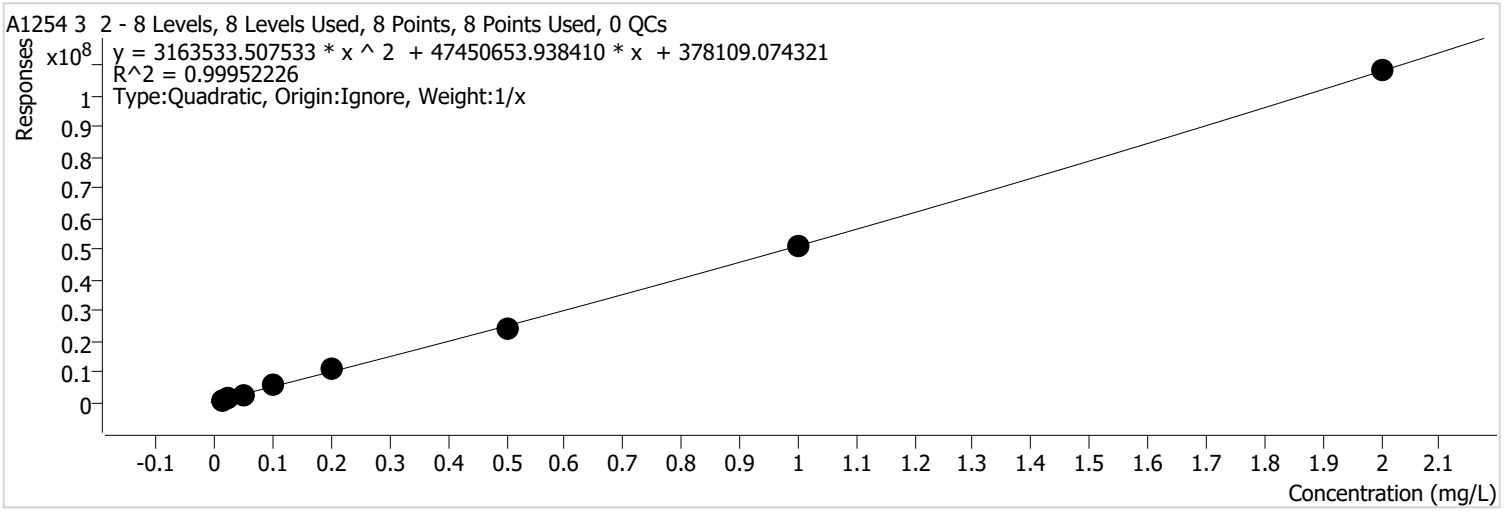
A1254 2 2 %RSE = 16.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082421\082424.D	Calibration	1	x	382366	0.0100	38236645.0000	
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	756755	0.0200	37837725.0000	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	1750340	0.0500	35006796.0000	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	3734687	0.1000	37346872.2450	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	7339885	0.2000	36699427.0362	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	15740120	0.5000	31480240.6752	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	33018366	1.0000	33018366.0750	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	69238224	2.0000	34619112.2395	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

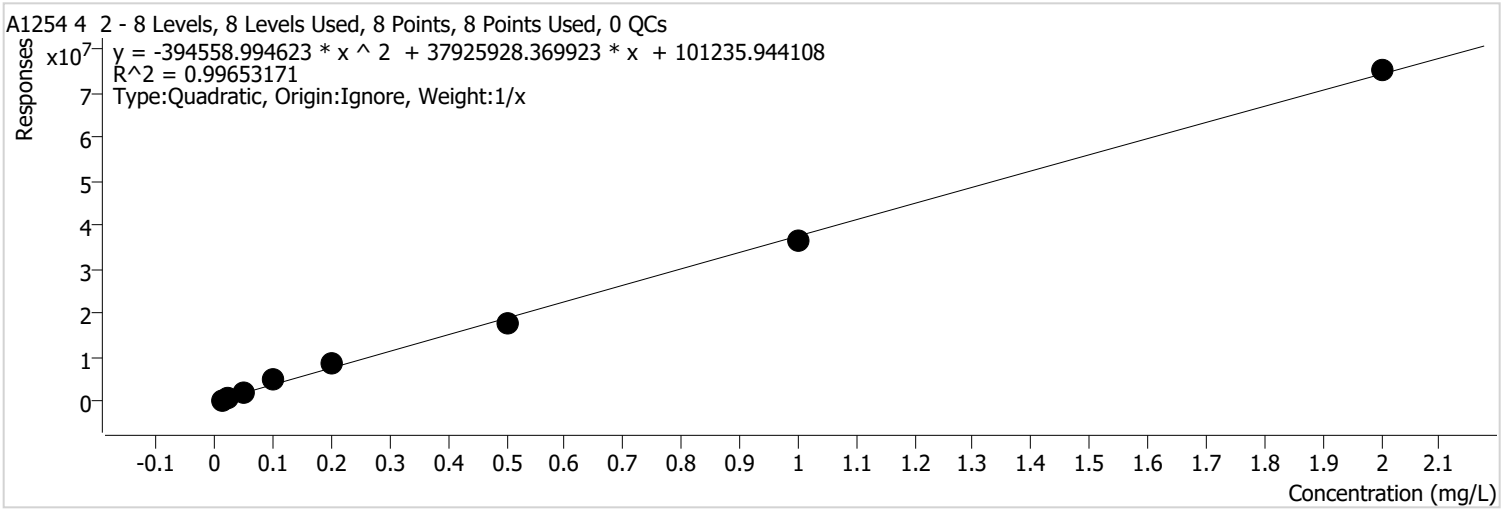
A1254 3 2 %RSE = 6.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082421\082424.D	Calibration	1	x	804458	0.0100	80445821.7822	
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	1380329	0.0200	69016457.5050	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	2686690	0.0500	53733804.9823	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	5438475	0.1000	54384748.1740	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	10520844	0.2000	52604219.7518	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	23917348	0.5000	47834696.9108	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	51105623	1.0000	51105622.6138	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	108055861	2.0000	54027930.3060	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

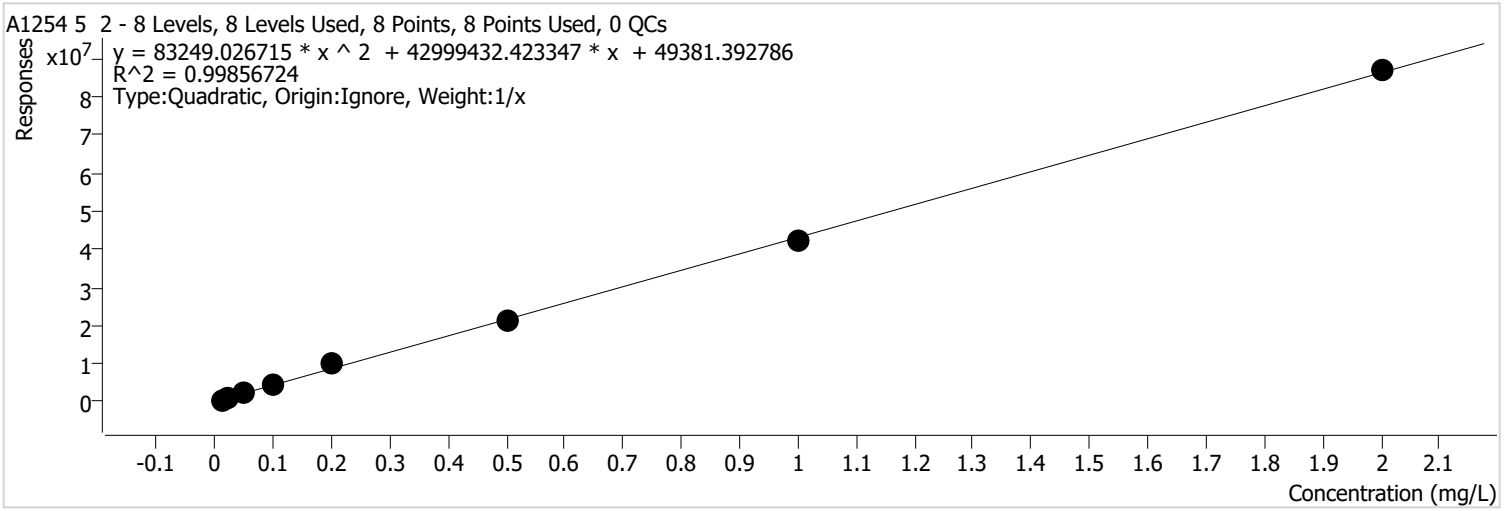
A1254 4 2 %RSE = 14.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082421\082424.D	Calibration	1	x	425571	0.0100	42557078.5043	
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	837165	0.0200	41858257.5627	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	1793470	0.0500	35869409.7685	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	4811793	0.1000	48117930.0117	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	8529930	0.2000	42649651.7948	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	18006622	0.5000	36013243.0062	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	36322294	1.0000	36322293.7612	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	75143298	2.0000	37571649.1153	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

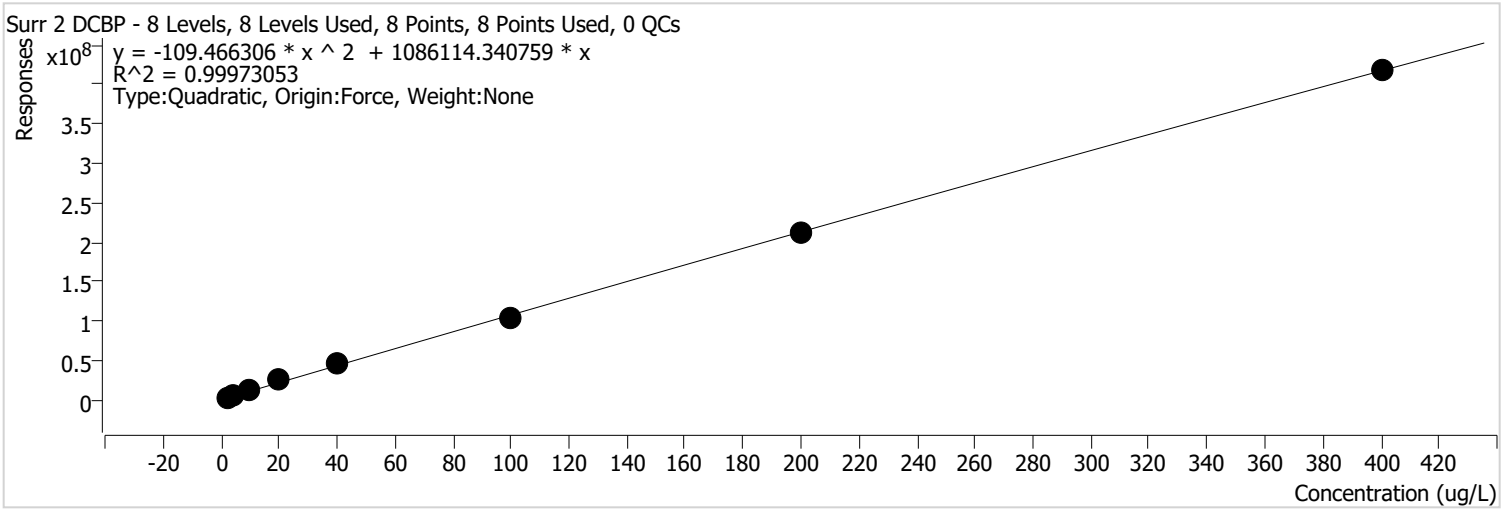
A1254 5 2 %RSE = 7.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082421\082424.D	Calibration	1	x	463515	0.0100	46351548.9138	
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	909890	0.0200	45494516.4174	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	2113242	0.0500	42264833.0445	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	4253475	0.1000	42534746.8188	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	9875731	0.2000	49378653.9438	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	20985820	0.5000	41971640.3808	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	42189192	1.0000	42189191.8604	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	86883454	2.0000	43441726.7712	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

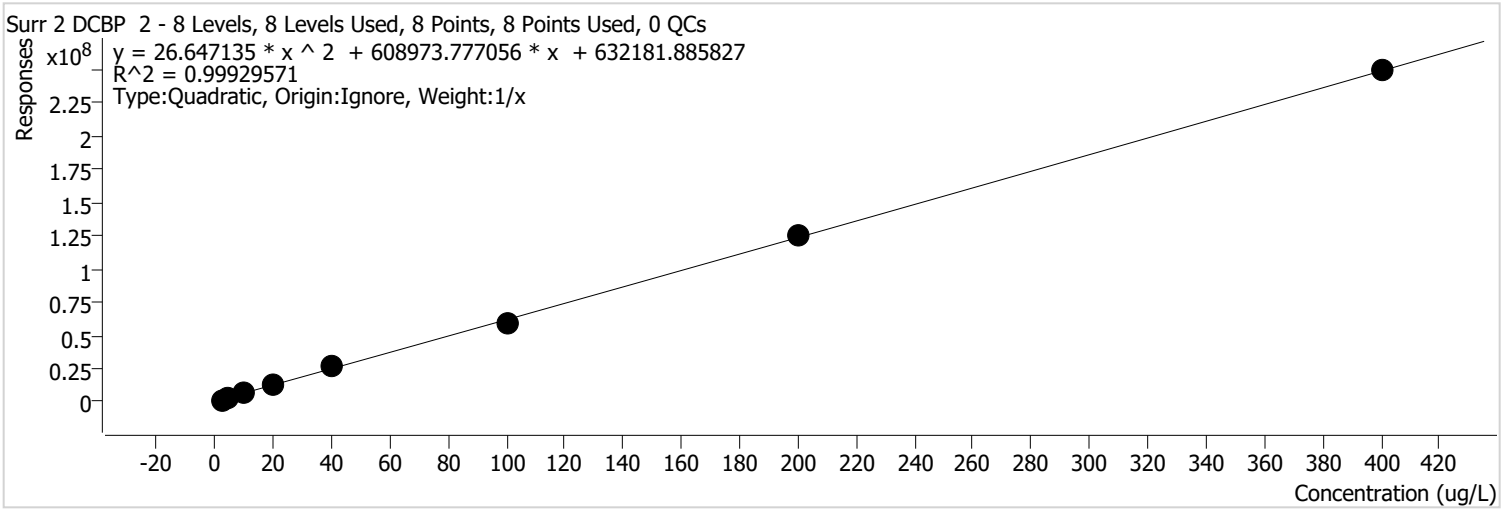
Surr 2 DCBP %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082421\082424.D	Calibration	1	x	2736758	2.0000	1368379.1111	
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	5727023	4.0000	1431755.7625	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	11984759	10.0000	1198475.9350	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	24984612	20.0000	1249230.6080	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	46773111	40.0000	1169327.7684	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	103948795	100.0000	1039487.9502	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	213454029	200.0000	1067270.1452	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	416957509	400.0000	1042393.7720	

Batch Path	D:\GC-16\Data\2021\082421\QuantResults\1254.batch.bin		
Analysis Time	8/25/2021 1:20 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:21:55 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 2 DCBP 2 %RSE =

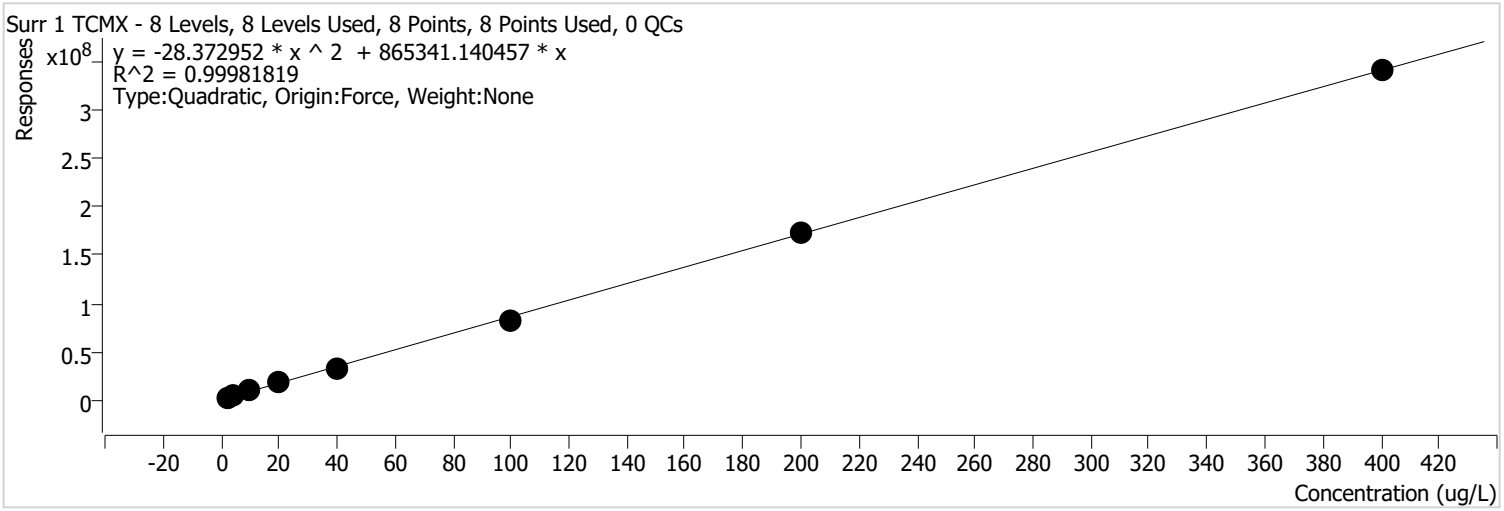


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082421\082424.D	Calibration	1	x	1643538	2.0000	821768.9315	
D:\GC-16\Data\2021\082421\082425.D	Calibration	2	x	3281991	4.0000	820497.6295	
D:\GC-16\Data\2021\082421\082426.D	Calibration	3	x	6829465	10.0000	682946.5189	
D:\GC-16\Data\2021\082421\082427.D	Calibration	4	x	13576366	20.0000	678818.2773	
D:\GC-16\Data\2021\082421\082428.D	Calibration	5	x	26118499	40.0000	652962.4845	
D:\GC-16\Data\2021\082421\082429.D	Calibration	6	x	58741991	100.0000	587419.9124	
D:\GC-16\Data\2021\082421\082430.D	Calibration	7	x	124472780	200.0000	622363.9002	
D:\GC-16\Data\2021\082421\082431.D	Calibration	8	x	248608867	400.0000	621522.1667	

Calibration Report

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:50 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

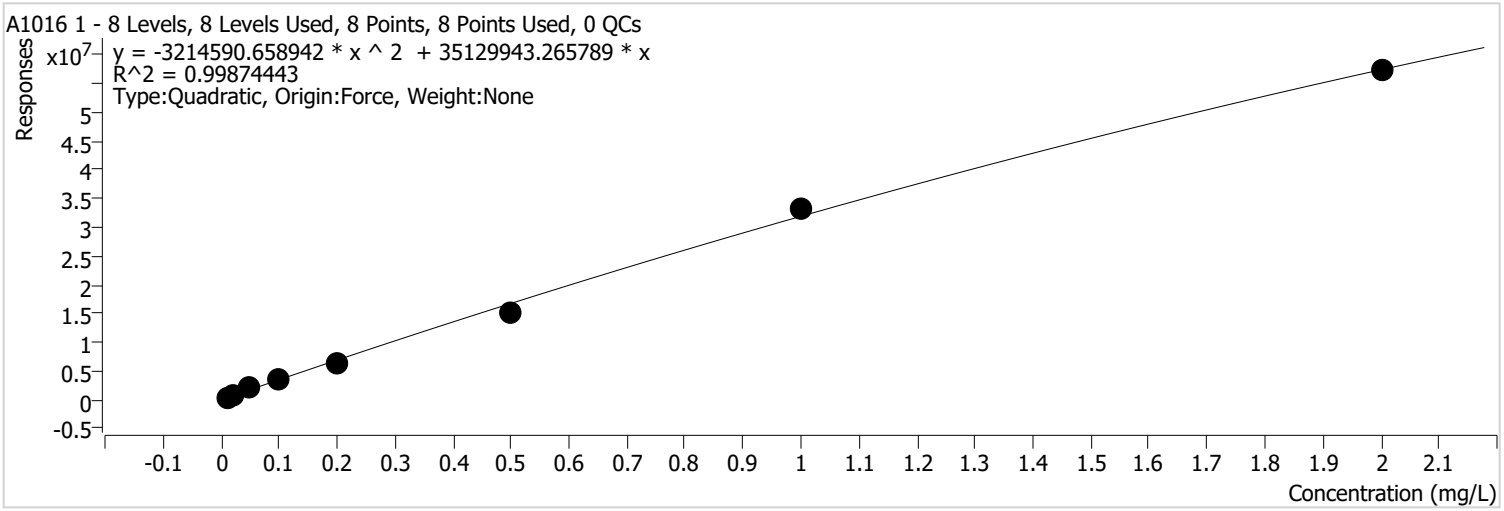
Surr 1 TCMX %RSE = 9.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	2012402	2.0000	1006200.7668	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	3798957	4.0000	949739.2185	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	9316439	10.0000	931643.8908	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	17612243	20.0000	880612.1687	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	33297942	40.0000	832448.5566	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	83243515	100.0000	832435.1471	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	174501670	200.0000	872508.3479	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	341154077	400.0000	852885.1936	

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:51 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

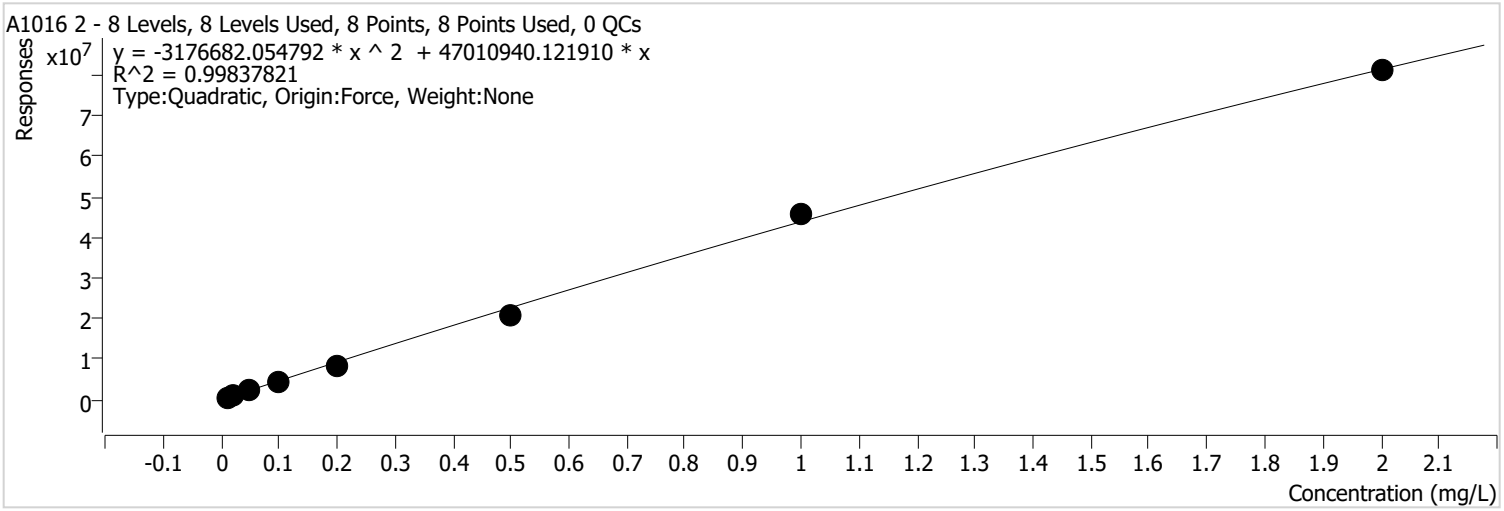
A1016 1 %RSE = 17.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	446300	0.0100	44630035.9964	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	848988	0.0200	42449422.5422	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	1982136	0.0500	39642714.1918	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	3586529	0.1000	35865292.8187	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	6443278	0.2000	32216388.3560	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	15366276	0.5000	30732552.8500	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	33074517	1.0000	33074516.5715	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	57203037	2.0000	28601518.6250	

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:51 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

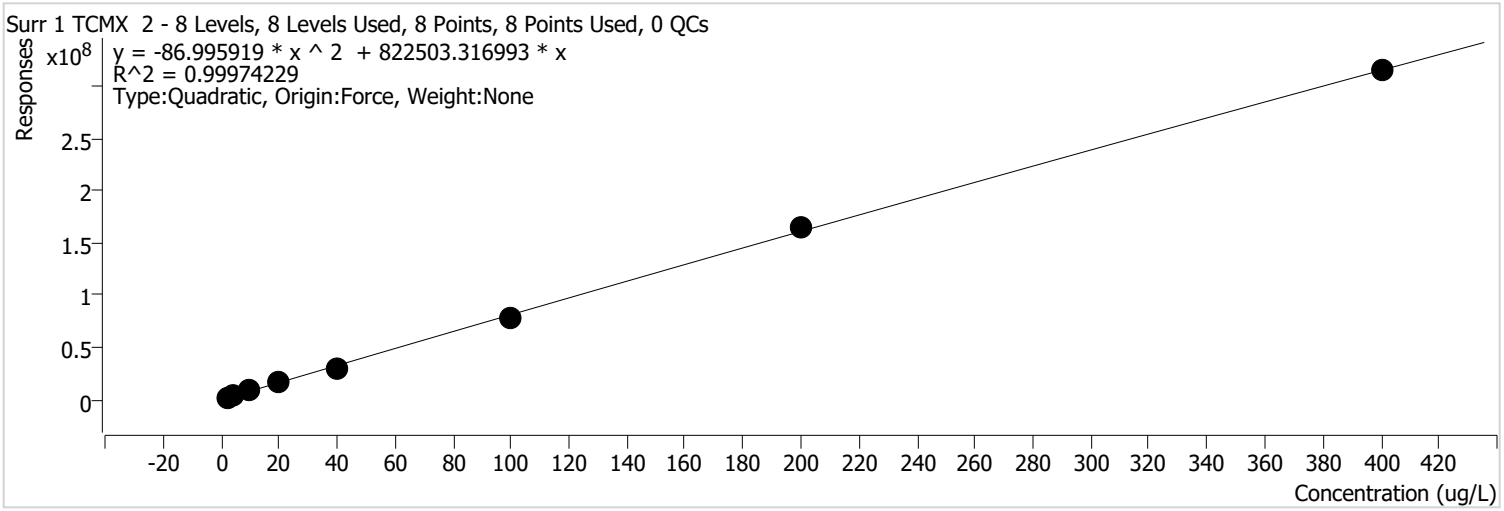
A1016 2 %RSE = 10.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	536295	0.0100	53629450.3127	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	996058	0.0200	49802905.7328	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	2534122	0.0500	50682432.6897	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	4649416	0.1000	46494159.8068	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	8440008	0.2000	42200040.9645	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	20515651	0.5000	41031301.5631	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	45763160	1.0000	45763160.4862	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	80978428	2.0000	40489214.1500	

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:51 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

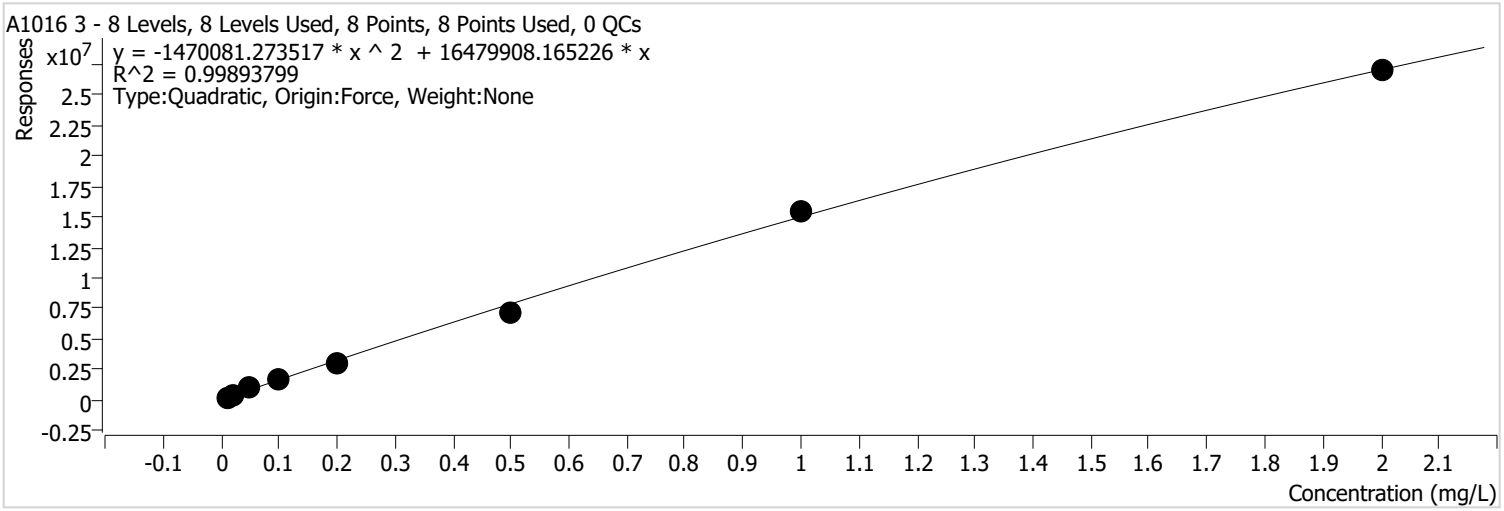
Surr 1 TCMX 2 %RSE = 6.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	1819614	2.0000	909806.9843	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	3458373	4.0000	864593.2020	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	8592490	10.0000	859249.0297	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	16294592	20.0000	814729.6013	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	30876541	40.0000	771913.5307	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	78326039	100.0000	783260.3856	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	163966010	200.0000	819830.0487	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	314555469	400.0000	786388.6725	

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:51 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

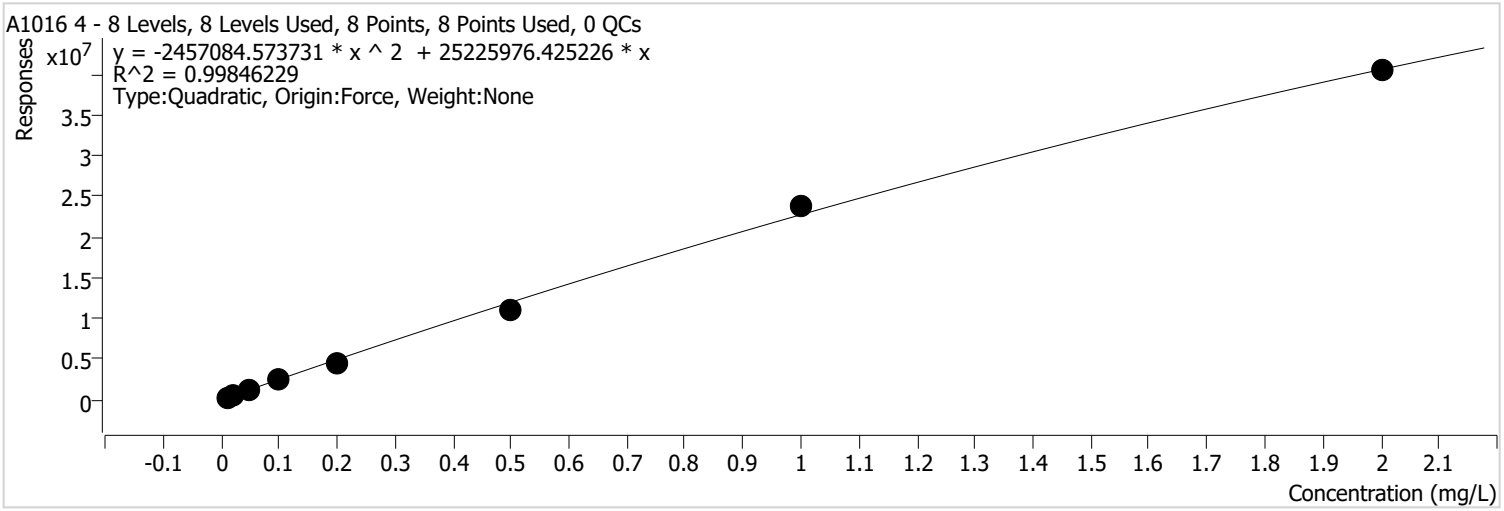
A1016 3 %RSE = 15.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	206571	0.0100	20657101.5409	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	370274	0.0200	18513690.5740	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	938427	0.0500	18768530.8518	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	1681334	0.1000	16813341.7500	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	3070234	0.2000	15351168.6043	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	7256698	0.5000	14513395.5056	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	15508617	1.0000	15508616.9892	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	26994748	2.0000	13497373.7791	

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:51 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1016 4 %RSE = 11.9

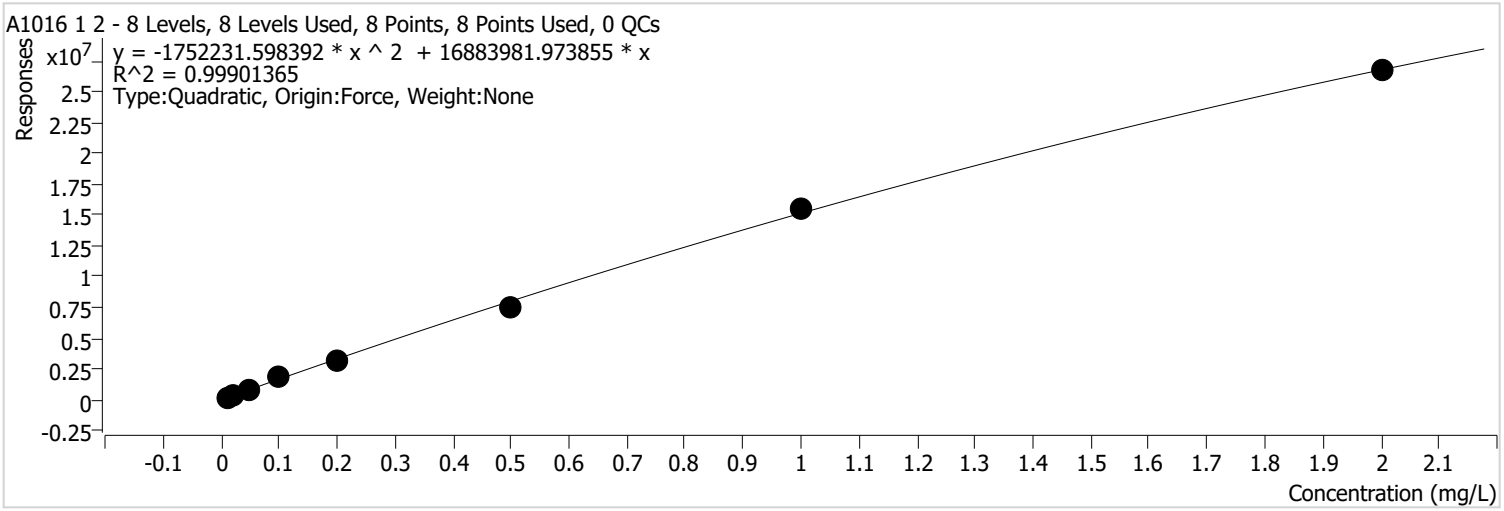


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	289276	0.0100	28927614.7591	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	579019	0.0200	28950964.2655	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	1365691	0.0500	27313818.7012	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	2451929	0.1000	24519292.3552	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	4529379	0.2000	22646894.1750	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	10934801	0.5000	21869601.6467	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	23711392	1.0000	23711391.7050	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	40458697	2.0000	20229348.6840	

Calibration Report

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:51 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

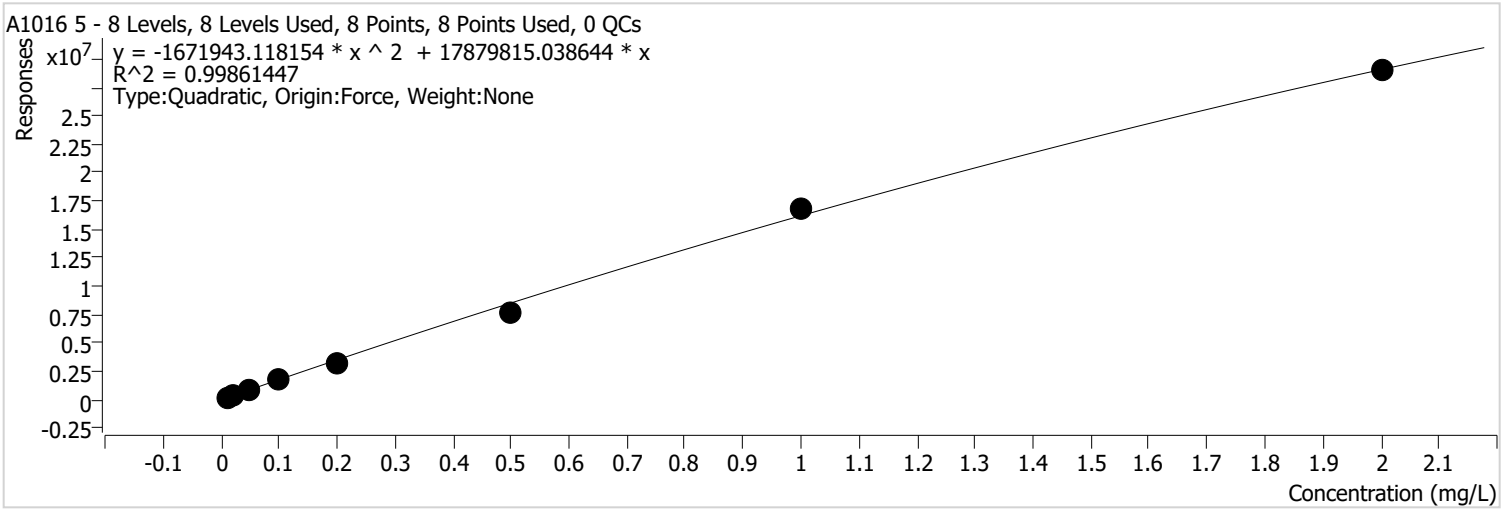
A1016 1 2 %RSE = 12.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	208997	0.0100	20899720.8993	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	328952	0.0200	16447577.4282	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	891545	0.0500	17830901.3267	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	1826799	0.1000	18267986.4435	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	3143568	0.2000	15717838.8750	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	7416265	0.5000	14832529.2509	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	15596078	1.0000	15596078.4848	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	26680894	2.0000	13340446.9288	

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:51 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

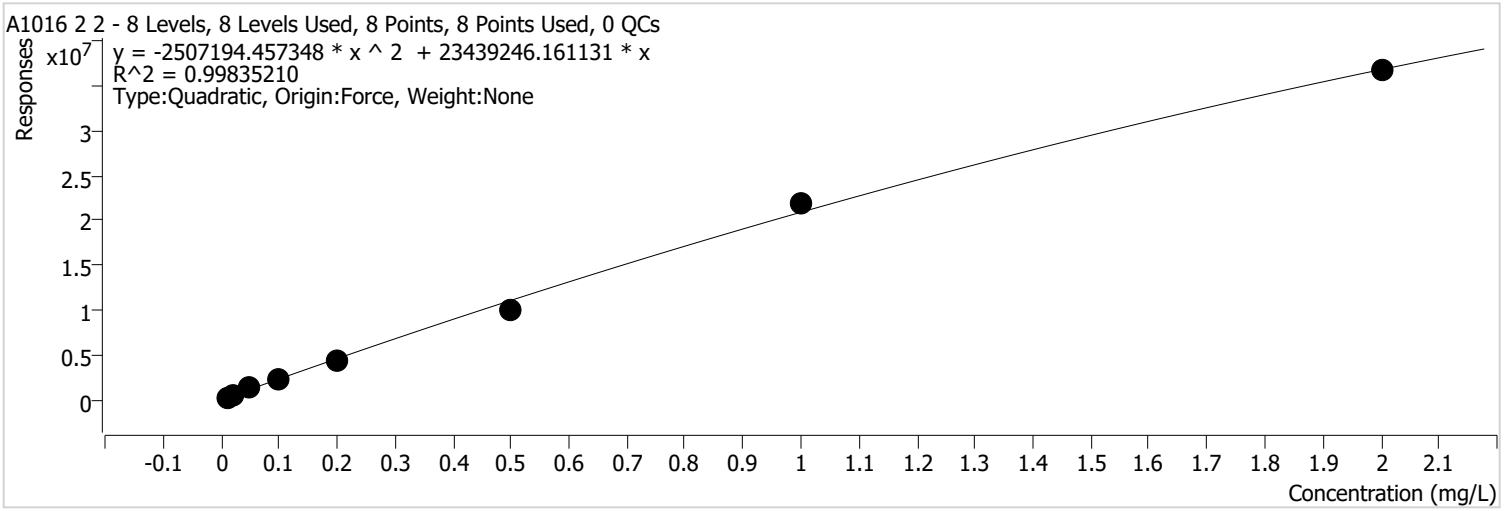
A1016 5 %RSE = 12.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	215722	0.0100	21572156.8465	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	393253	0.0200	19662667.0833	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	969047	0.0500	19380940.3205	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	1780231	0.1000	17802312.0567	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	3249276	0.2000	16246382.3462	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	7785937	0.5000	15571873.8857	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	16841785	1.0000	16841785.4284	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	28961900	2.0000	14480949.9302	

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:51 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

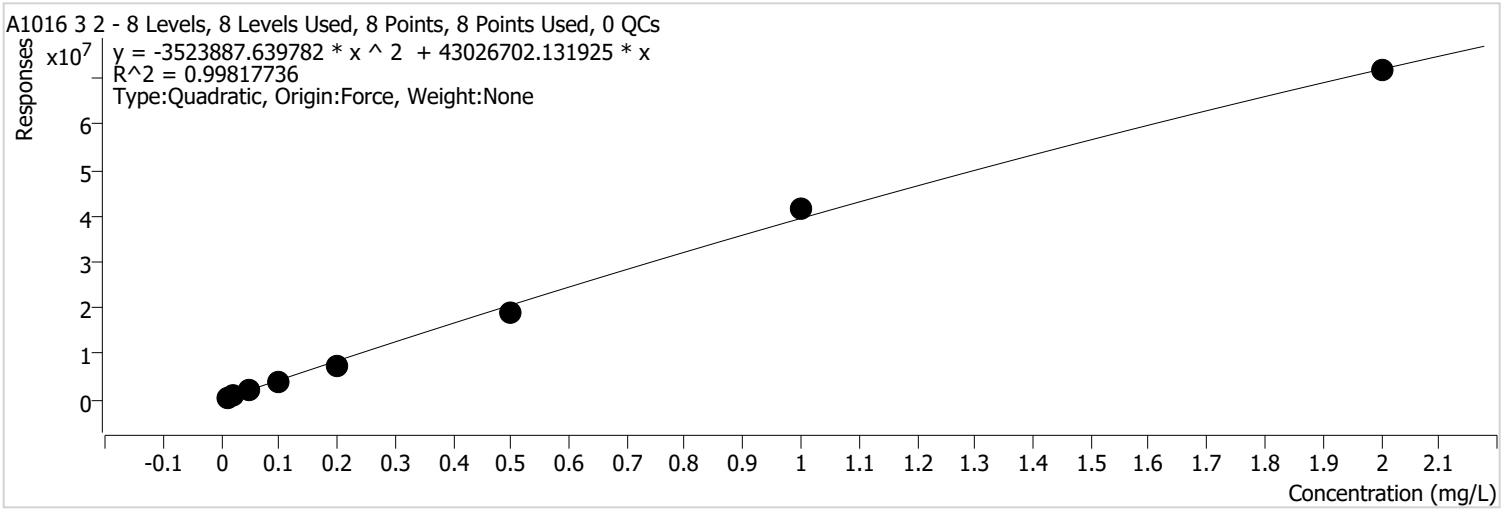
A1016 2 2 %RSE = 14.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	284512	0.0100	28451238.2803	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	534779	0.0200	26738926.3839	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	1328165	0.0500	26563307.6549	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	2421440	0.1000	24214399.1797	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	4358880	0.2000	21794402.0763	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	10022857	0.5000	20045714.2179	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	21777864	1.0000	21777864.4540	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	36707055	2.0000	18353527.5520	

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:51 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

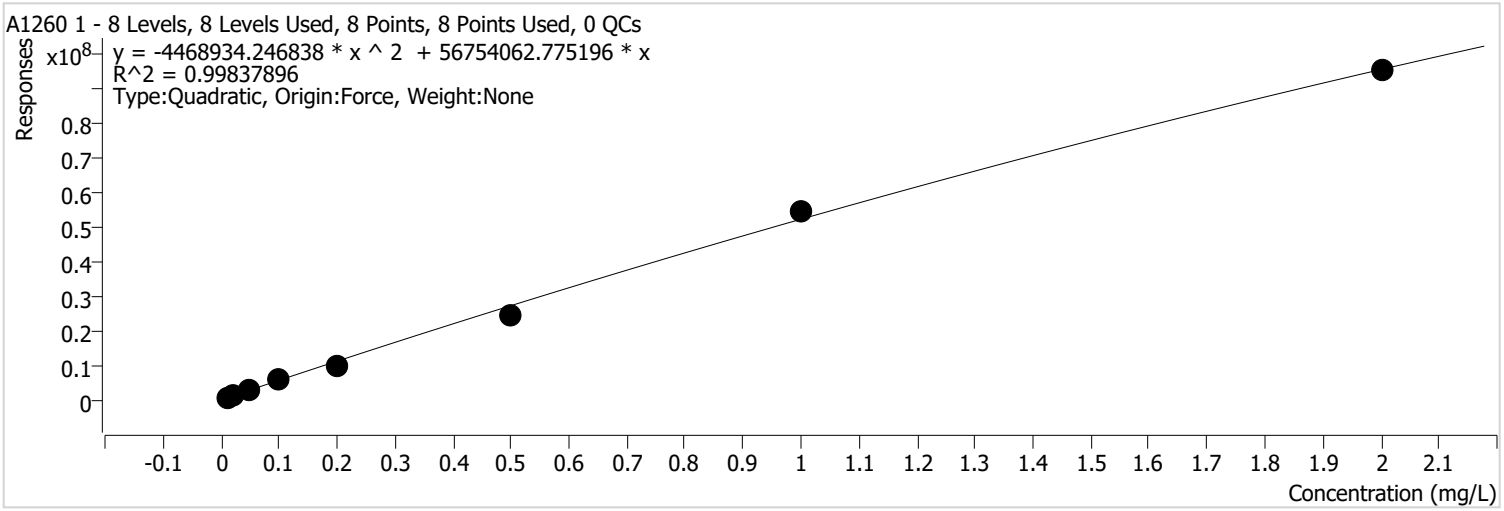
A1016 3 2 %RSE = 9.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	468960	0.0100	46895993.1657	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	906965	0.0200	45348259.4000	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	2176039	0.0500	43520788.4829	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	4021683	0.1000	40216825.8562	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	7327296	0.2000	36636481.7747	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	18770265	0.5000	37540529.1801	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	41349505	1.0000	41349505.4513	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	71624522	2.0000	35812260.8382	

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:51 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

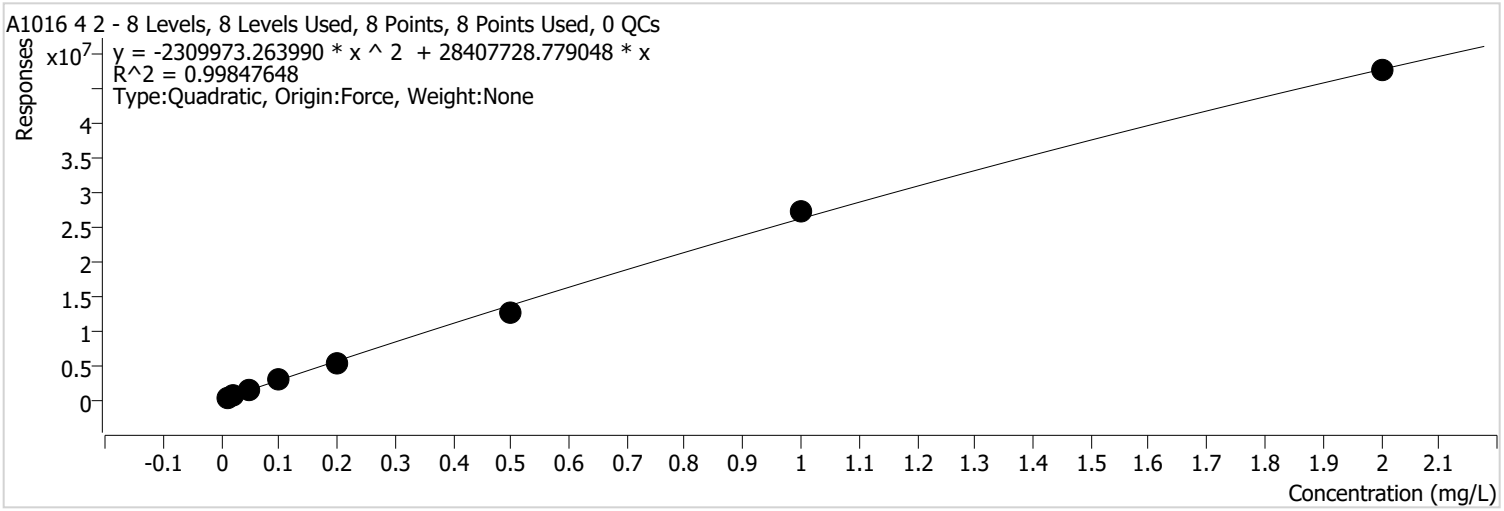
A1260 1 %RSE = 12.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	668468	0.0100	66846842.9118	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	1288414	0.0200	64420696.2498	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	3039118	0.0500	60782355.1398	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	5642506	0.1000	56425060.7128	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	10114513	0.2000	50572567.2460	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	24703611	0.5000	49407222.3035	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	54551856	1.0000	54551856.2770	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	95235863	2.0000	47617931.6622	

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:51 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

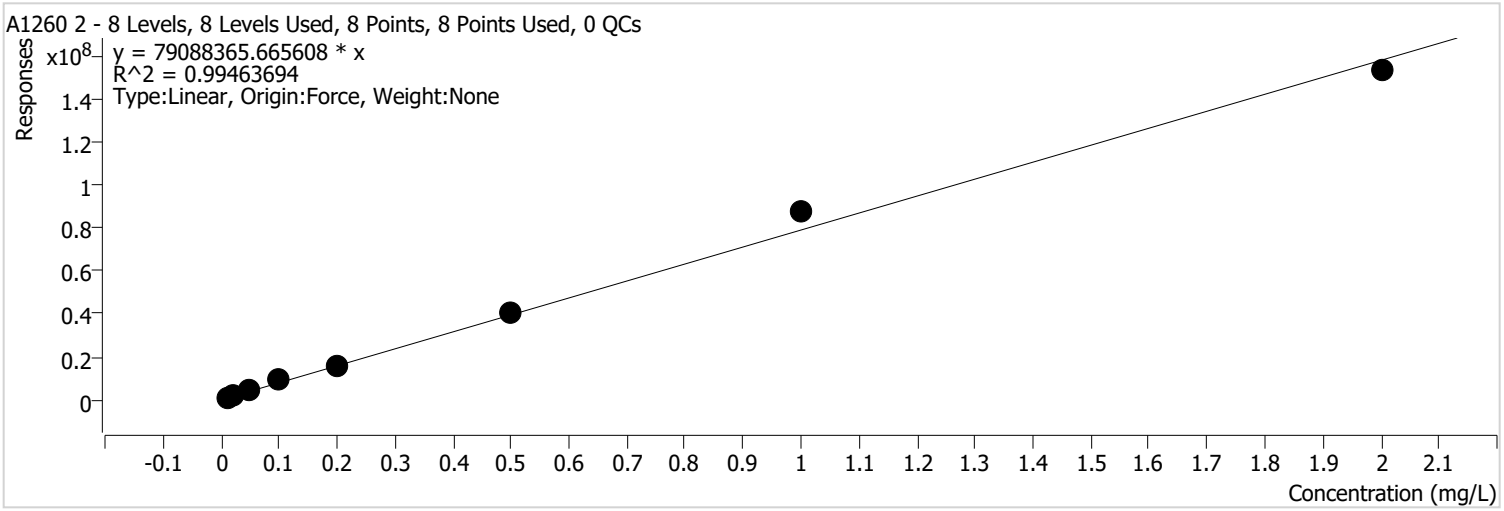
A1016 4 2 %RSE = 9.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	316621	0.0100	31662146.8892	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	626713	0.0200	31335626.2502	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	1507398	0.0500	30147961.5834	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	2778043	0.1000	27780425.0600	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	5077309	0.2000	25386544.8857	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	12398188	0.5000	24796376.8830	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	27198630	1.0000	27198629.5341	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	47382260	2.0000	23691130.0539	

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:51 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

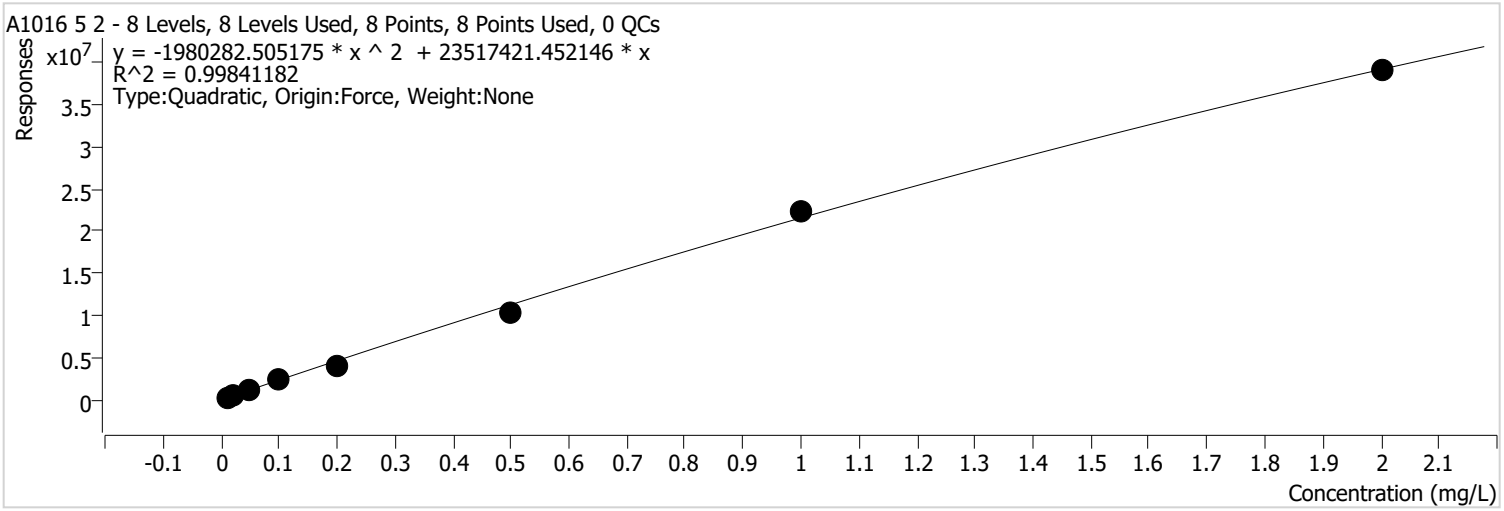
A1260 2 %RSE = 24.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	1114881	0.0100	11148812 0.7401	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	2105399	0.0200	10526992 5.6038	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	4894206	0.0500	97884122 .5061	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	9052902	0.1000	90529024 .8860	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	16302367	0.2000	81511833 .0169	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	40367599	0.5000	80735197 .6637	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	88257560	1.0000	88257559 .9714	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	153250257	2.0000	76625128 .2698	

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:51 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

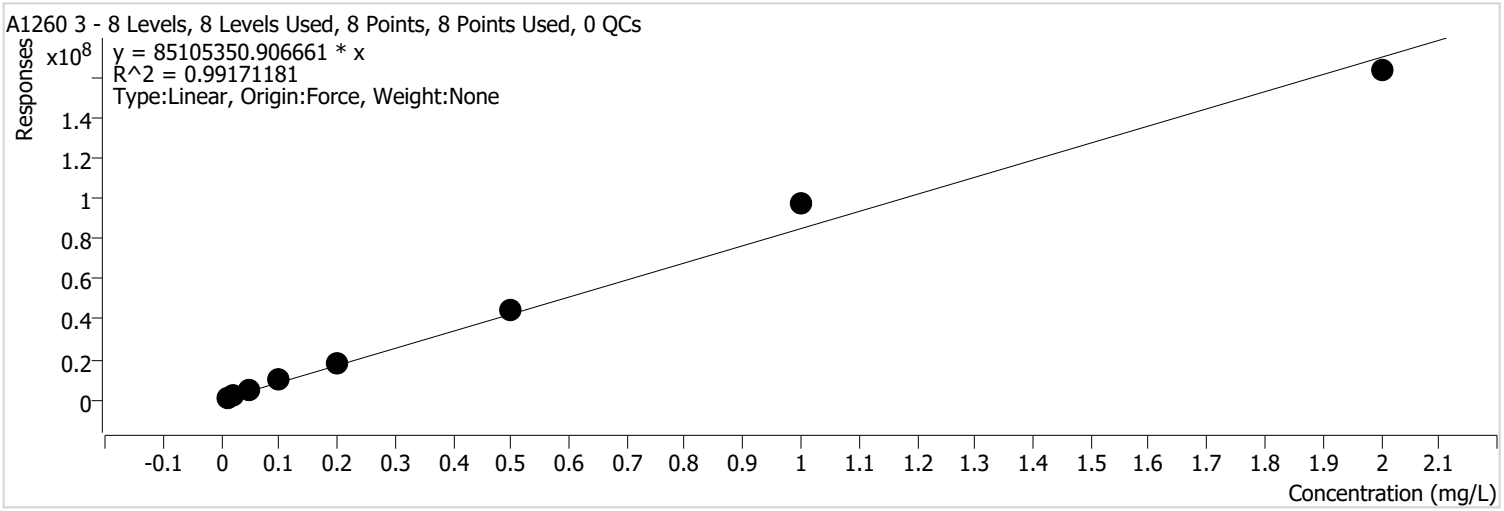
A1016 5 2 %RSE = 10.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	264758	0.0100	26475800.5590	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	503324	0.0200	25166206.7188	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	1234576	0.0500	24691515.7136	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	2286800	0.1000	22867999.0942	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	4055586	0.2000	20277930.1539	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	10301358	0.5000	20602715.6927	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	22464018	1.0000	22464018.1633	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	38947892	2.0000	19473945.7663	

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:51 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

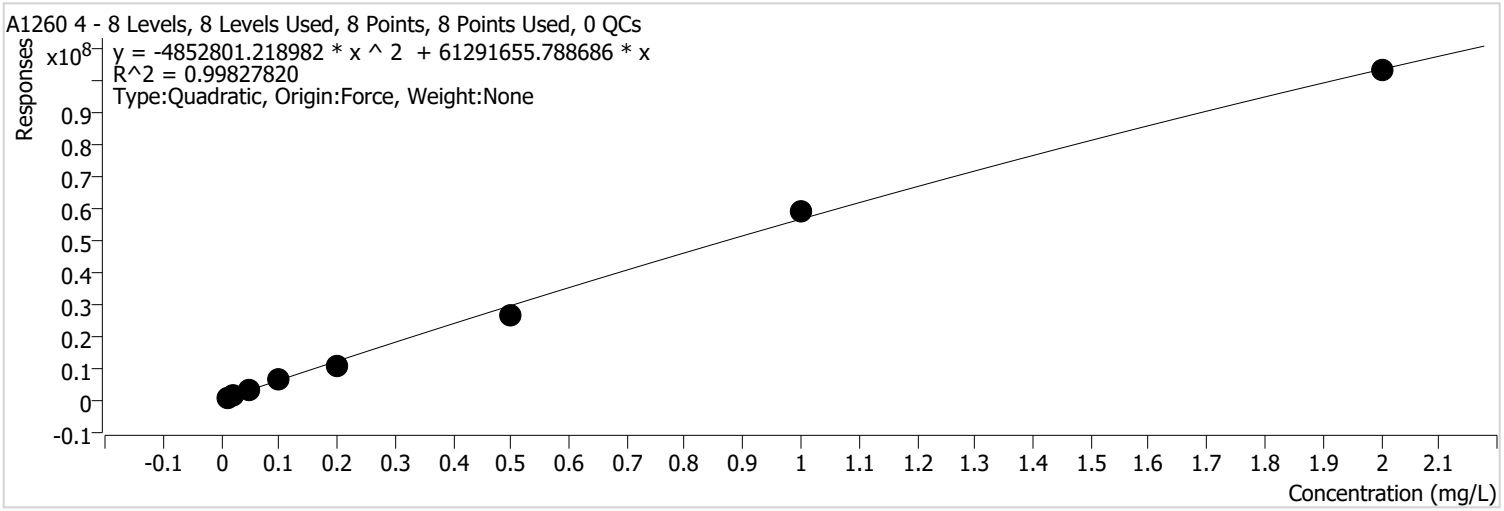
A1260 3 %RSE = 24.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	1150819	0.0100	11508190 7.0807	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	2237271	0.0200	11186357 2.5793	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	5455411	0.0500	10910822 8.0530	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	9981329	0.1000	99813290 .2580	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	18301957	0.2000	91509785 .4461	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	44304616	0.5000	88609231 .2722	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	97153511	1.0000	97153511 .2425	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	163510154	2.0000	81755077 .0718	

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:51 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

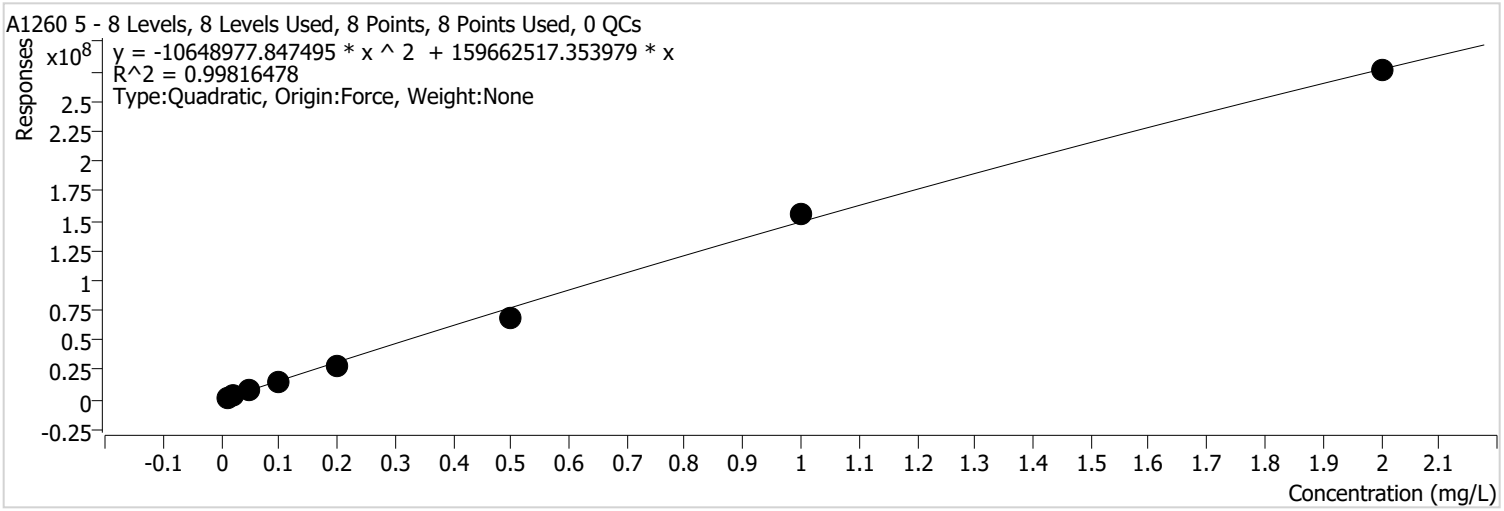
A1260 4 %RSE = 9.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	699310	0.0100	69930959.0638	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	1155098	0.0200	57754903.2237	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	3252303	0.0500	65046069.3995	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	6034913	0.1000	60349133.5757	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	10934439	0.2000	54672196.9992	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	26575610	0.5000	53151220.4722	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	58978536	1.0000	58978535.6044	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	102727042	2.0000	51363520.9672	

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:51 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

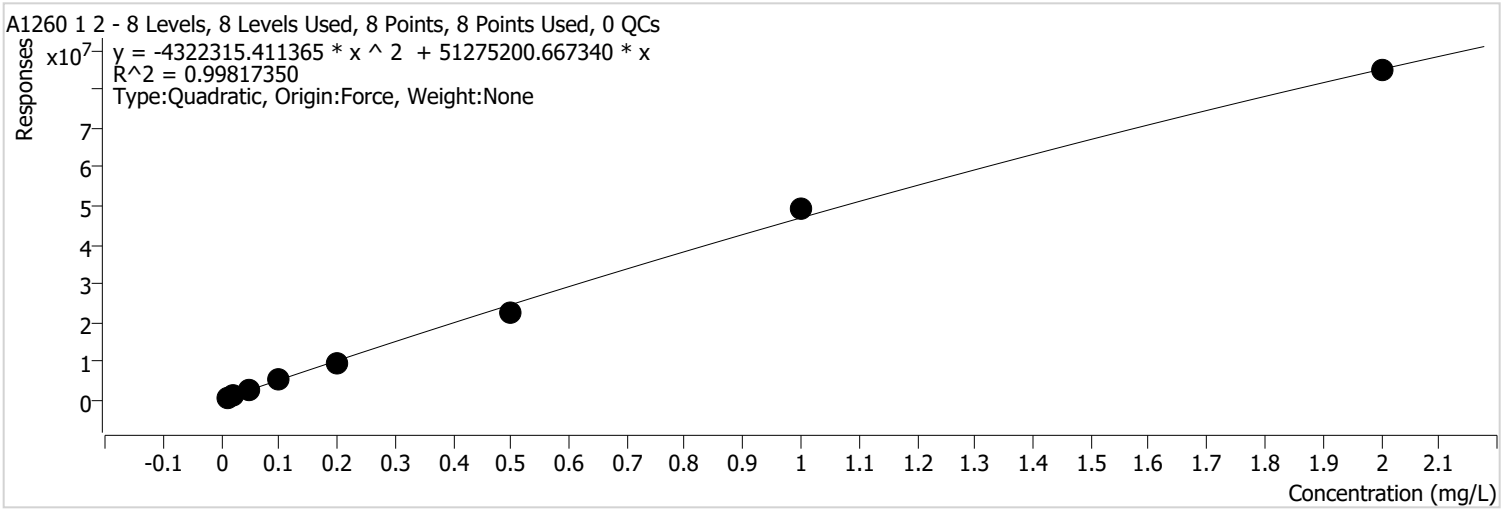
A1260 5 %RSE = 9.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	1759988	0.0100	17599765.9259	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	3402818	0.0200	17014090.8955	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	8116157	0.0500	16232313 7.3447	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	15209934	0.1000	15209934 2.2109	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	28230884	0.2000	14115442 1.5577	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	69404174	0.5000	13880834 7.5868	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	156112569	1.0000	15611256 8.8257	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	275473924	2.0000	13773696 2.2037	

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:51 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

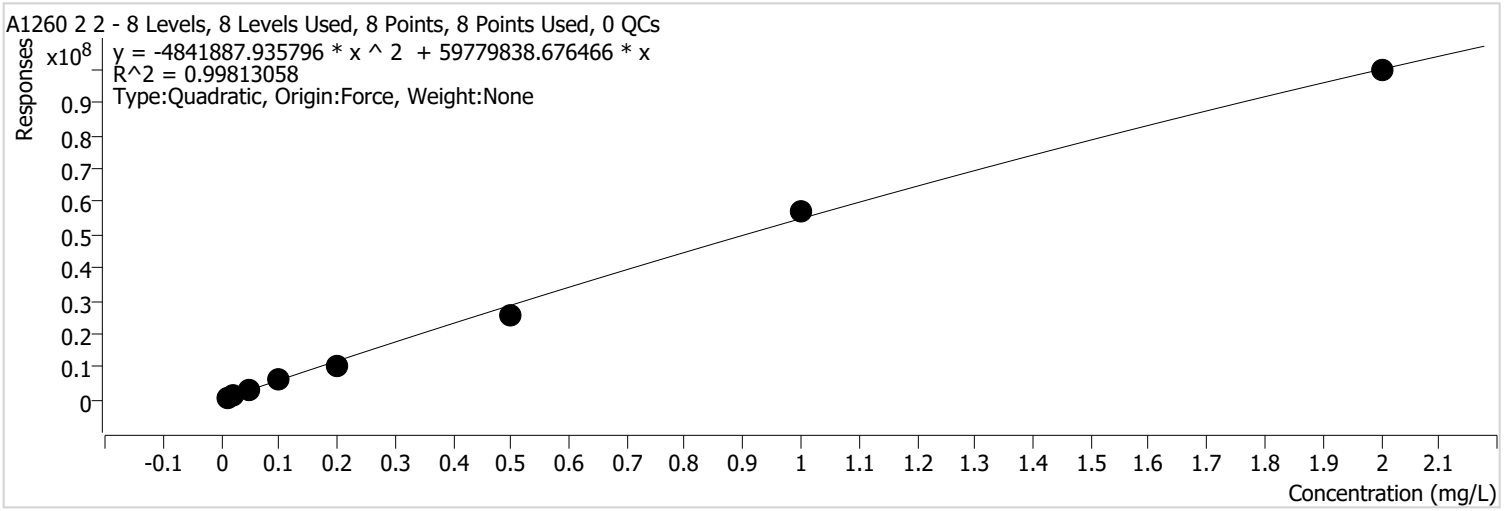
A1260 1 2 %RSE = 12.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	610428	0.0100	61042772.7372	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	1153680	0.0200	57683988.5436	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	2714627	0.0500	54292549.0442	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	4981694	0.1000	49816939.3479	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	9070720	0.2000	45353599.9159	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	22151074	0.5000	44302148.8583	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	49118094	1.0000	49118094.3113	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	84880463	2.0000	42440231.7050	

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:51 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

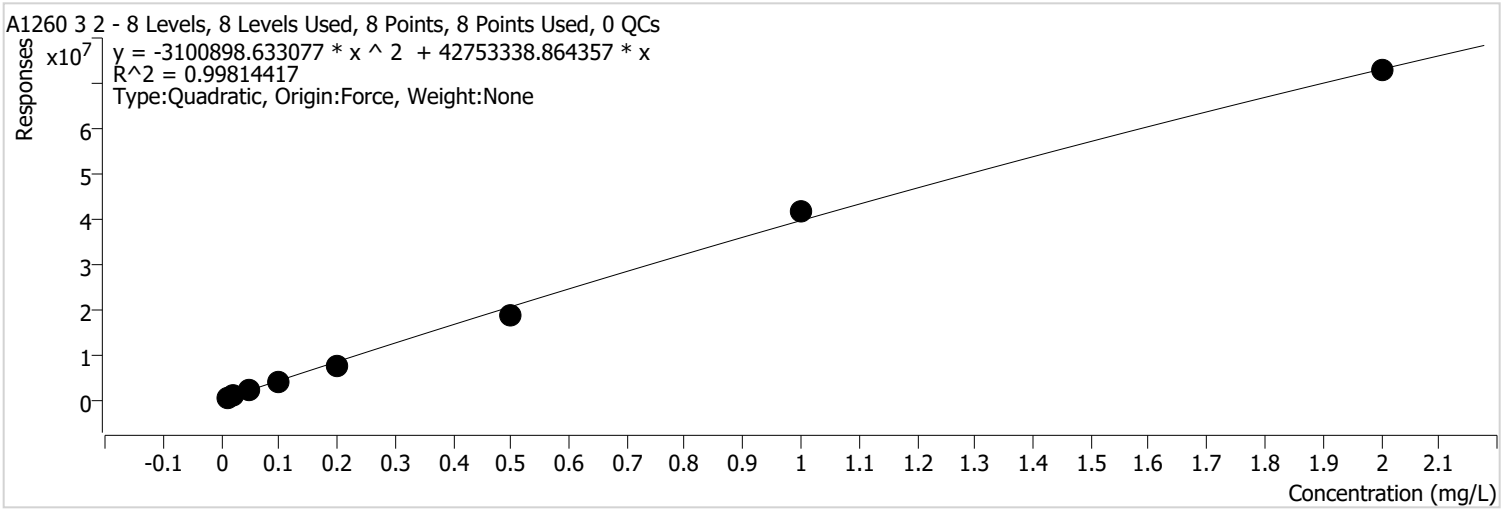
A1260 2 2 %RSE = 14.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	730625	0.0100	73062516.1982	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	1368006	0.0200	68400300.3617	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	3183491	0.0500	63669821.3005	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	5826444	0.1000	58264442.5456	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	10523520	0.2000	52617601.4872	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	25835393	0.5000	51670786.2559	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	57506841	1.0000	57506841.3764	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	99740152	2.0000	49870075.9831	

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:51 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

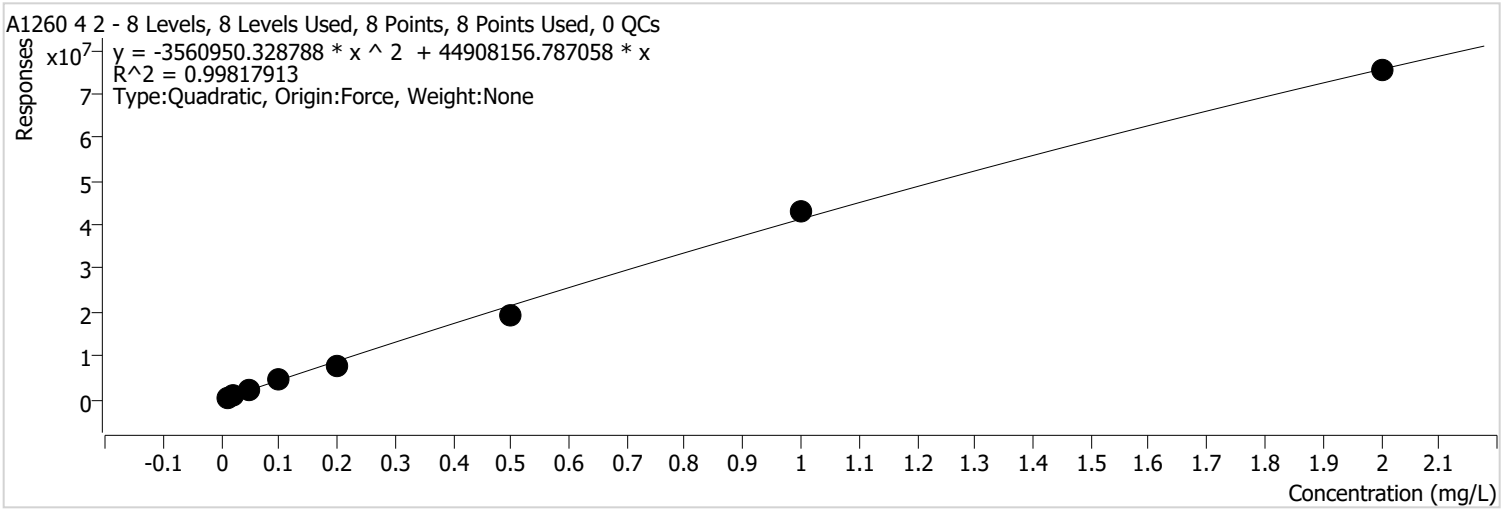
A1260 3 2 %RSE = 11.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	497044	0.0100	49704355.3180	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	928062	0.0200	46403099.7685	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	2205820	0.0500	44116390.8565	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	4085784	0.1000	40857839.2333	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	7451141	0.2000	37255707.4581	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	18582480	0.5000	37164959.1478	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	41536234	1.0000	41536233.5634	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	72768415	2.0000	36384207.4173	

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:51 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

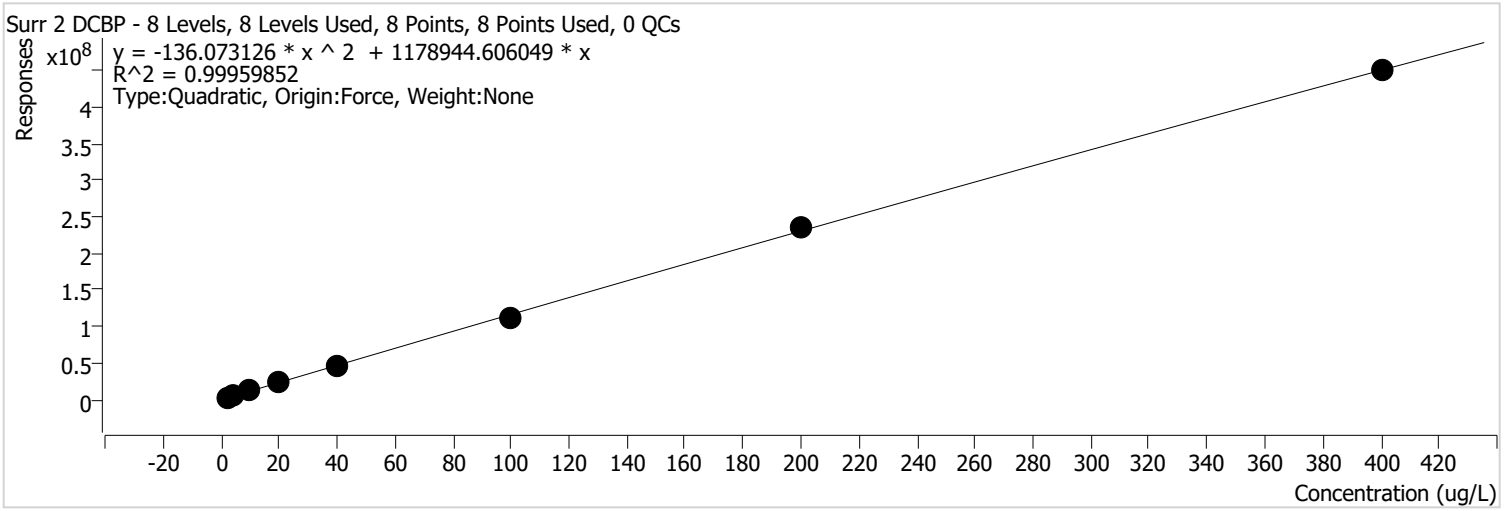
A1260 4 2 %RSE = 12.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	542165	0.0100	54216539.4024	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	985612	0.0200	49280593.7500	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	2358129	0.0500	47162589.4508	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	4400152	0.1000	44001515.5379	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	8001437	0.2000	40007184.1239	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	19407587	0.5000	38815174.0006	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	43259212	1.0000	43259212.3708	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	75237705	2.0000	37618852.3037	

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:51 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

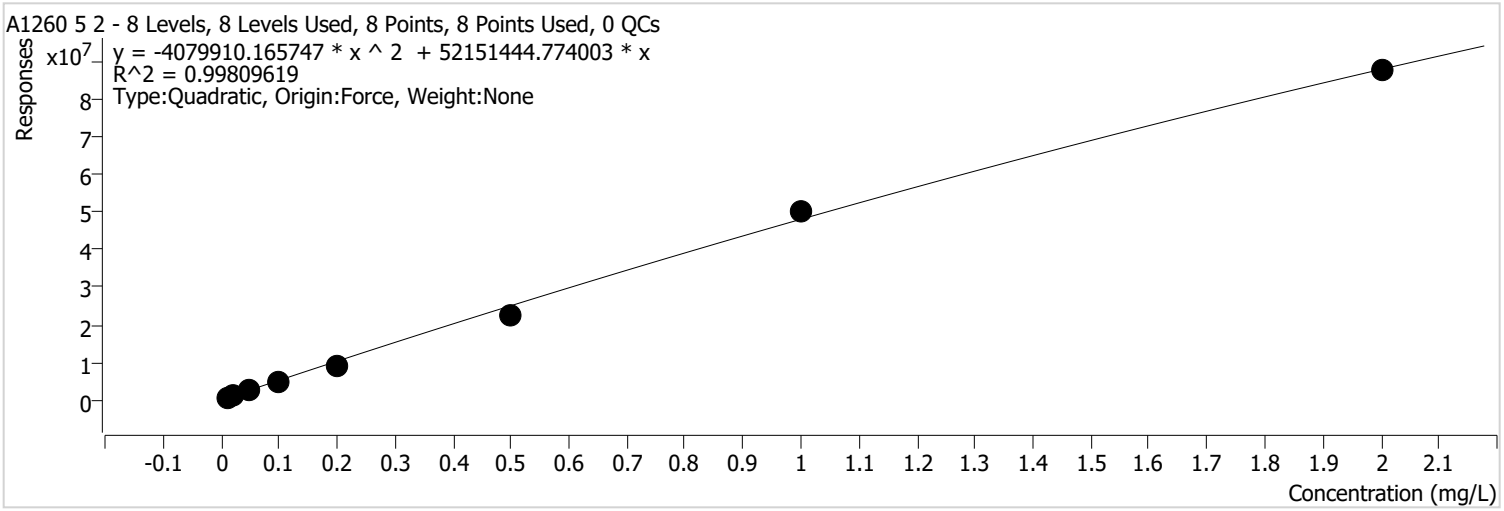
Surr 2 DCBP %RSE = 17.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	3067289	2.0000	1533644.3813	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	5689278	4.0000	1422319.4438	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	13398844	10.0000	1339884.4026	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	24572861	20.0000	1228643.0732	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	45714340	40.0000	1142858.5065	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	110228731	100.0000	1102287.3053	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	235105804	200.0000	1175529.0179	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	449018759	400.0000	1122546.8986	

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:51 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

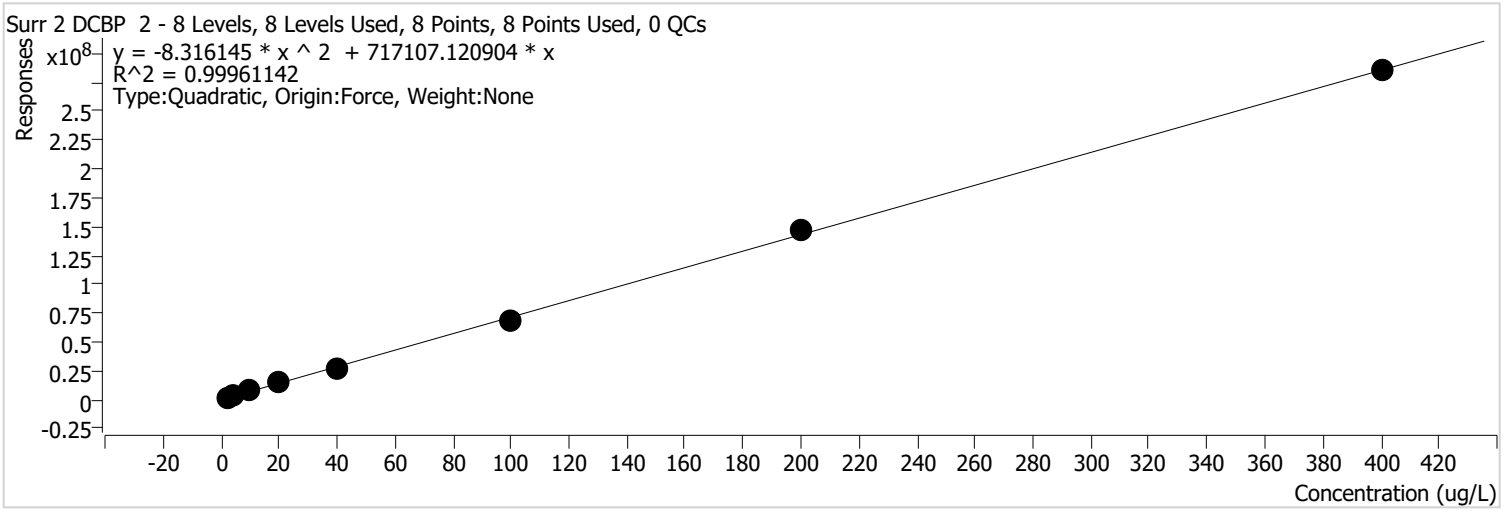
A1260 5 2 %RSE = 11.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	608037	0.0100	60803730.0437	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	1139080	0.0200	56953999.9583	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	2730317	0.0500	54606339.8339	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	5022563	0.1000	50225631.3133	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	9286940	0.2000	46434697.6250	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	22491700	0.5000	44983399.7221	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	50357702	1.0000	50357701.7966	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	87582046	2.0000	43791022.9267	

Batch Path	D:\GC-16\Data\2021\082521\QuantResults\1660 cal.batch.bin		
Analysis Time	8/25/2021 1:00 PM	**Analyst Name**	FA\GC1625
Report Time	8/25/2021 1:05:51 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/25/2021 1:00 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 2 DCBP 2 %RSE = 15.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\082521\082505.D	Calibration	1	x	1815147	2.0000	907573.6250	
D:\GC-16\Data\2021\082521\082506.D	Calibration	2	x	3360786	4.0000	840196.3789	
D:\GC-16\Data\2021\082521\082507.D	Calibration	3	x	7930411	10.0000	793041.1329	
D:\GC-16\Data\2021\082521\082508.D	Calibration	4	x	14772282	20.0000	738614.0867	
D:\GC-16\Data\2021\082521\082509.D	Calibration	5	x	27661913	40.0000	691547.8367	
D:\GC-16\Data\2021\082521\082510.D	Calibration	6	x	67740936	100.0000	677409.3555	
D:\GC-16\Data\2021\082521\082511.D	Calibration	7	x	146183444	200.0000	730917.2211	
D:\GC-16\Data\2021\082521\082512.D	Calibration	8	x	284989985	400.0000	712474.9632	

DATA SET for Review -- Deliverable Requirements

Volatile Organic Compounds by EPA Method 8260D

Fremont Analytical Work Order No. 2109371

Shannon & Wilson

Project Name: 8801 - Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Injection Log

Data Directory: D:\GC-19\Data\092321\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 092341.D	8260.M			
No data found			0.000	N/A
2) 092301.D	8260.M			
CLEANOUT	O-VOC-W	1	1.000	23 Sep 2021 11:30
3) 092302.D	8260.M			
VOC WATER CAL1 25907	O-VOC-W	2	1.000	23 Sep 2021 12:00
4) 092303.D	8260.M			
VOC WATER CAL2	O-VOC-W	3	1.000	23 Sep 2021 12:30
5) 092304.D	8260.M			
VOC WATER CAL3	O-VOC-W	4	1.000	23 Sep 2021 13:00
6) 092305.D	8260.M			
VOC WATER CAL4	O-VOC-W	5	1.000	23 Sep 2021 13:30
7) 092306.D	8260.M			
VOC WATER CAL5	O-VOC-W	6	1.000	23 Sep 2021 14:00
8) 092307.D	8260.M			
VOC WATER CAL6	O-VOC-W	7	1.000	23 Sep 2021 14:30
9) 092308.D	8260.M			
VOC WATER CAL7	O-VOC-W	8	1.000	23 Sep 2021 15:00
10) 092309.D	8260.M			
VOC WATER CAL8	O-VOC-W	9	1.000	23 Sep 2021 15:30
11) 092310.D	8260.M			
VOC WATER CAL9	O-VOC-W	10	1.000	23 Sep 2021 16:00
12) 092311.D	8260.M			
CLEANOUT	O-VOC-W	1	1.000	23 Sep 2021 16:31
13) 092312.D	8260.M			
ICB	O-VOC-W	11	1.000	23 Sep 2021 17:01
14) 092313.D	8260.M			
ICV VOC 25964	O-VOC-W	12	1.000	23 Sep 2021 17:31
15) 092314.D	8260.M			
CLEANOUT	O-VOC-W	13	1.000	23 Sep 2021 18:00
16) 092315.D	8260.M			
GX CAL1 25970	O-VOC-GX-W	14	1.000	23 Sep 2021 18:30
17) 092316.D	8260.M			
GX CAL2	O-VOC-GX-W	15	1.000	23 Sep 2021 19:00
18) 092317.D	8260.M			
GX CAL3	O-VOC-GX-W	16	1.000	23 Sep 2021 19:30
19) 092318.D	8260.M			
GX CAL4	O-VOC-GX-W	17	1.000	23 Sep 2021 20:00
20) 092319.D	8260.M			
GX CAL5	O-VOC-GX-W	18	1.000	23 Sep 2021 20:30
21) 092320.D	8260.M			
GX CAL6	O-VOC-GX-W	19	1.000	23 Sep 2021 21:00

22) 092321.D	8260.M				
GX CAL7	O-VOC-GX-W	20	1.000	23 Sep 2021	21:30
23) 092322.D	8260.M				
CLEANOUT	O-VOC-GX-W	13	1.000	23 Sep 2021	22:00
24) 092323.D	8260.M				
ICB	O-VOC-GX-W	21	1.000	23 Sep 2021	22:31
25) 092324.D	8260.M				
ICV GX 25738	O-VOC-GX-W	22	1.000	23 Sep 2021	23:01
26) 092325.D	8260.M				
CCV-33808A_LCS-338..	O-VOC-W	23	1.000	23 Sep 2021	23:31
27) 092326.D	8260.M				
CCV-33808A_LCS-338..	O-VOC-GX-W	24	1.000	24 Sep 2021	00:01
28) 092327.D	8260.M				
CLEANOUT	O-VOC-W	25	1.000	24 Sep 2021	00:31
29) 092328.D	8260.M				
MB-33808	O-VOC-W	26	1.000	24 Sep 2021	01:01
30) 092329.D	8260.M				
2109350-001A	O-VOC-W	27	1.000	24 Sep 2021	01:31
31) 092330.D	8260.M				
2109350-002A	O-VOC-W	28	1.000	24 Sep 2021	02:01
32) 092331.D	8260.M				
2109263-015A 100X ..	O-VOC-W	29	1.000	24 Sep 2021	02:31
33) 092332.D	8260.M				
2109351-001A	O-VOC-W	30	1.000	24 Sep 2021	03:01
34) 092333.D	8260.M				
2109351-001ADUP	O-VOC-W	31	1.000	24 Sep 2021	03:31
35) 092334.D	8260.M				
2109348-001A	O-VOC-W	32	1.000	24 Sep 2021	04:01
36) 092335.D	8260.M				
2109354-001A	O-VOC-W	33	1.000	24 Sep 2021	04:31
37) 092336.D	8260.M				
2109354-002A	O-VOC-W	34	1.000	24 Sep 2021	05:01
38) 092337.D	8260.M				
2109354-003A	O-VOC-W	35	1.000	24 Sep 2021	05:31
39) 092338.D	8260.M				
2109354-004A	O-VOC-W	36	1.000	24 Sep 2021	06:01
40) 092339.D	8260.M				
2109361-001A	O-VOC-W	37	1.000	24 Sep 2021	06:31
41) 092340.D	8260.M				
2109362-001A	O-VOC-W	38	1.000	24 Sep 2021	07:01

Injection Log

Data Directory: D:\GC-19\Data\092321\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 092357.D	8260.M			
No data found			0.000	N/A
2) 092301.D	8260.M			
CLEANOUT	O-VOC-W	1	1.000	23 Sep 2021 11:30
3) 092302.D	8260.M			
VOC WATER CAL1 25907	O-VOC-W	2	1.000	23 Sep 2021 12:00
4) 092303.D	8260.M			
VOC WATER CAL2	O-VOC-W	3	1.000	23 Sep 2021 12:30
5) 092304.D	8260.M			
VOC WATER CAL3	O-VOC-W	4	1.000	23 Sep 2021 13:00
6) 092305.D	8260.M			
VOC WATER CAL4	O-VOC-W	5	1.000	23 Sep 2021 13:30
7) 092306.D	8260.M			
VOC WATER CAL5	O-VOC-W	6	1.000	23 Sep 2021 14:00
8) 092307.D	8260.M			
VOC WATER CAL6	O-VOC-W	7	1.000	23 Sep 2021 14:30
9) 092308.D	8260.M			
VOC WATER CAL7	O-VOC-W	8	1.000	23 Sep 2021 15:00
10) 092309.D	8260.M			
VOC WATER CAL8	O-VOC-W	9	1.000	23 Sep 2021 15:30
11) 092310.D	8260.M			
VOC WATER CAL9	O-VOC-W	10	1.000	23 Sep 2021 16:00
12) 092311.D	8260.M			
CLEANOUT	O-VOC-W	1	1.000	23 Sep 2021 16:31
13) 092312.D	8260.M			
ICB	O-VOC-W	11	1.000	23 Sep 2021 17:01
14) 092313.D	8260.M			
ICV VOC 25964	O-VOC-W	12	1.000	23 Sep 2021 17:31
15) 092314.D	8260.M			
CLEANOUT	O-VOC-W	13	1.000	23 Sep 2021 18:00
16) 092315.D	8260.M			
GX CAL1 25970	O-VOC-GX-W	14	1.000	23 Sep 2021 18:30
17) 092316.D	8260.M			
GX CAL2	O-VOC-GX-W	15	1.000	23 Sep 2021 19:00
18) 092317.D	8260.M			
GX CAL3	O-VOC-GX-W	16	1.000	23 Sep 2021 19:30
19) 092318.D	8260.M			
GX CAL4	O-VOC-GX-W	17	1.000	23 Sep 2021 20:00
20) 092319.D	8260.M			
GX CAL5	O-VOC-GX-W	18	1.000	23 Sep 2021 20:30
21) 092320.D	8260.M			
GX CAL6	O-VOC-GX-W	19	1.000	23 Sep 2021 21:00

22) 092321.D 8260.M
GX CAL7 O-VOC-GX-W 20 1.000 23 Sep 2021 21:30
---
23) 092322.D 8260.M
CLEANOUT O-VOC-GX-W 13 1.000 23 Sep 2021 22:00
---
24) 092323.D 8260.M
ICB O-VOC-GX-W 21 1.000 23 Sep 2021 22:31
---
25) 092324.D 8260.M
ICV GX 25738 O-VOC-GX-W 22 1.000 23 Sep 2021 23:01
---
26) 092325.D 8260.M
CCV-33808A_LCS-338.. O-VOC-W 23 1.000 23 Sep 2021 23:31
---
27) 092326.D 8260.M
CCV-33808A_LCS-338.. O-VOC-GX-W 24 1.000 24 Sep 2021 00:01
---
28) 092327.D 8260.M
CLEANOUT O-VOC-W 25 1.000 24 Sep 2021 00:31
---
29) 092328.D 8260.M
MB-33808 O-VOC-W 26 1.000 24 Sep 2021 01:01
---
30) 092329.D 8260.M
2109350-001A O-VOC-W 27 1.000 24 Sep 2021 01:31
---
31) 092330.D 8260.M
2109350-002A O-VOC-W 28 1.000 24 Sep 2021 02:01
---
32) 092331.D 8260.M
2109263-015A 100X .. O-VOC-W 29 1.000 24 Sep 2021 02:31
---
33) 092332.D 8260.M
2109351-001A O-VOC-W 30 1.000 24 Sep 2021 03:01
---
34) 092333.D 8260.M
2109351-001ADUP O-VOC-W 31 1.000 24 Sep 2021 03:31
---
35) 092334.D 8260.M
2109348-001A O-VOC-W 32 1.000 24 Sep 2021 04:01
---
36) 092335.D 8260.M
2109354-001A O-VOC-W 33 1.000 24 Sep 2021 04:31
---
37) 092336.D 8260.M
2109354-002A O-VOC-W 34 1.000 24 Sep 2021 05:01
---
38) 092337.D 8260.M
2109354-003A O-VOC-W 35 1.000 24 Sep 2021 05:31
---
39) 092338.D 8260.M
2109354-004A O-VOC-W 36 1.000 24 Sep 2021 06:01
---
40) 092339.D 8260.M
2109361-001A O-VOC-W 37 1.000 24 Sep 2021 06:31
---
41) 092340.D 8260.M
2109362-001A O-VOC-W 38 1.000 24 Sep 2021 07:01
---
42) 092341.D 8260.M
2109348-001AMS VOC O-VOC-W 39 1.000 24 Sep 2021 07:31
---
43) 092342.D 8260.M
2109354-003AMS GX O-VOC-GX-W 40 1.000 24 Sep 2021 08:01
---
44) 092343.D 8260.M
CCV-33808B VOC O-VOC-W 41 1.000 24 Sep 2021 08:31
---
45) 092344.D 8260.M

CCV-33808B GX O-VOC-GX-W 42 1.000 24 Sep 2021 09:01

---

46) 092345.D 8260.M
CLEANOUT O-VOC-W 1 1.000 24 Sep 2021 09:31

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47) 092346.D 8260.M
MB-33820 O-VOC-AIR 43 1.000 24 Sep 2021 10:01

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48) 092347.D 8260.M
2109367-002A O-VOC-AIR 44 1.000 24 Sep 2021 10:31

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49) 092348.D 8260.M
2109367-002AREP O-VOC-AIR 44 1.000 24 Sep 2021 11:01

---

50) 092349.D 8260.M
2109367-001A 10X O-VOC-AIR 45 1.000 24 Sep 2021 11:31

---

51) 092350.D 8260.M
2109367-001A O-VOC-AIR 45 1.000 24 Sep 2021 12:01

---

52) 092351.D 8260.M
CLEANOUT O-VOC-W 43 1.000 24 Sep 2021 12:31

---

53) 092352.D 8260.M
2109371-020A O-VOC-W 46 1.000 24 Sep 2021 13:02

---

54) 092353.D 8260.M
2109371-025A O-VOC-W 47 1.000 24 Sep 2021 13:32

---

55) 092354.D 8260.M
2109371-030A O-VOC-W 48 1.000 24 Sep 2021 14:02

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56) 092355.D 8260.M
2109371-030ADUP O-VOC-W 49 1.000 24 Sep 2021 14:32

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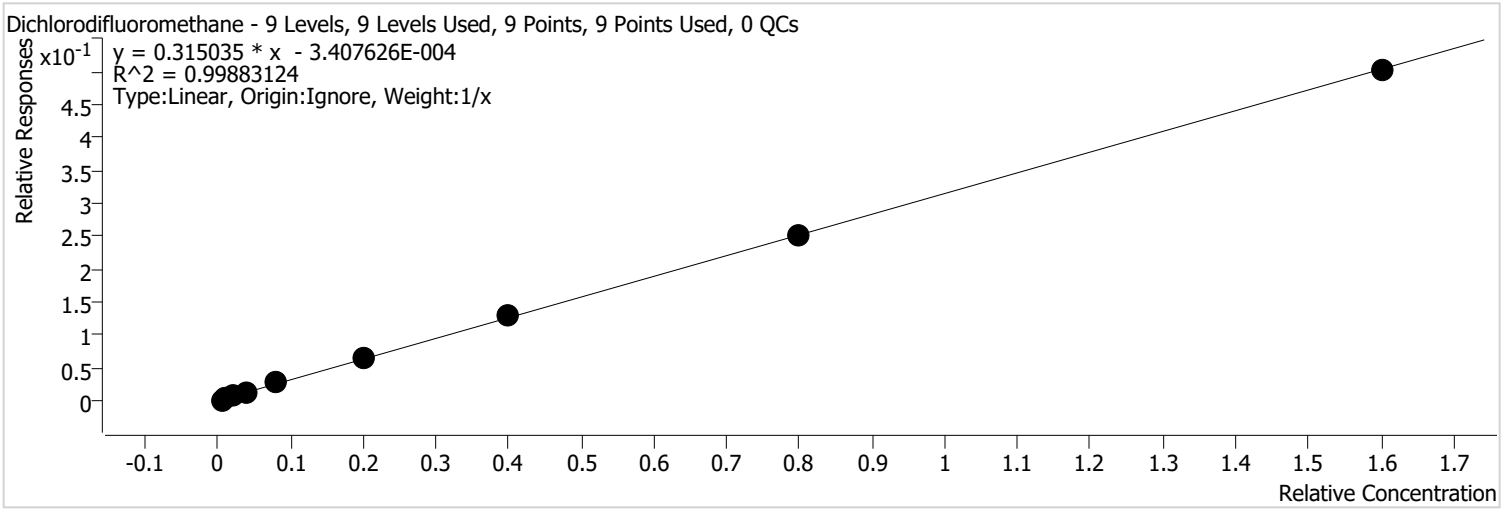
57) 092356.D 8260.M
CCV-33808C VOC O-VOC-W 50 1.000 24 Sep 2021 15:02

Calibration

Calibration Report

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:27 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

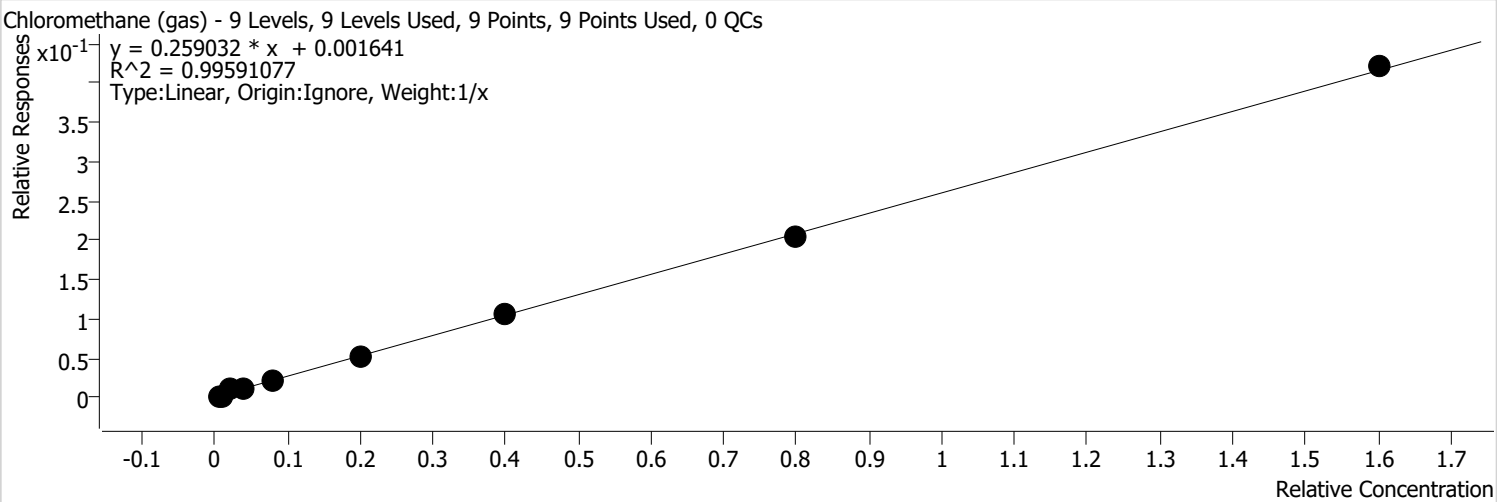
Dichlorodifluoromethane %RSE = 17.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	1720	0.1000	0.1727	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	3588	0.2000	0.1873	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	18994	0.5000	0.4026	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	32938	1.0000	0.3320	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	64863	2.0000	0.3239	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	156915	5.0000	0.3128	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	321662	10.0000	0.3181	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	669925	20.0000	0.3118	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1350122	40.0000	0.3133	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:28 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

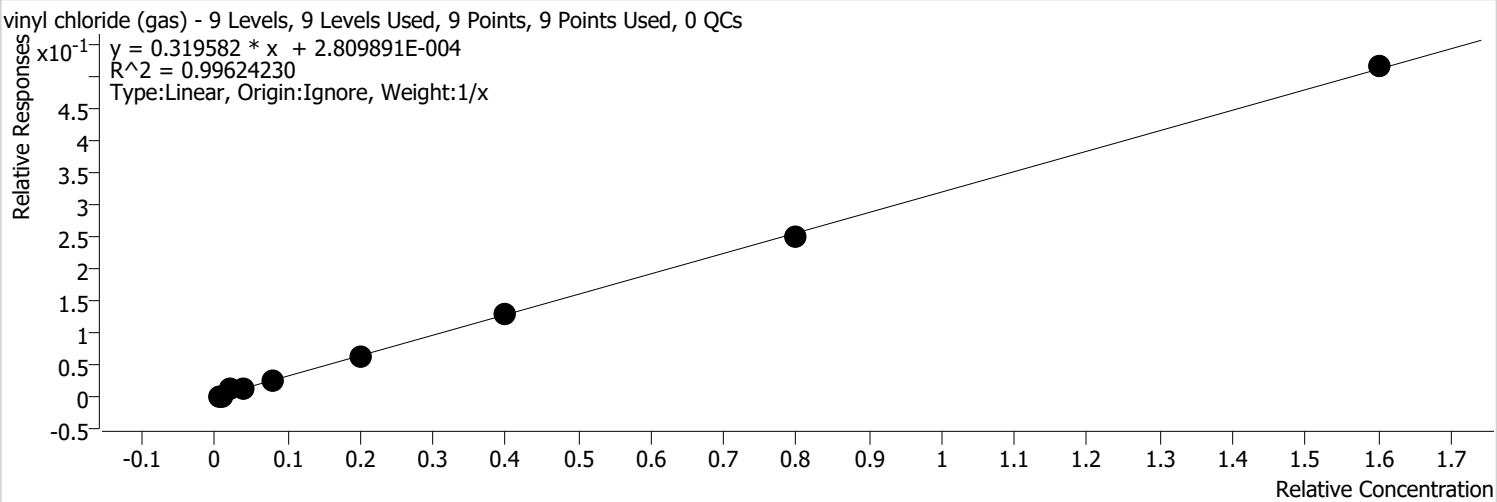
Chloromethane (gas) %RSE = 32.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	6273	0.1000	0.6301	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	6476	0.2000	0.3381	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	24303	0.5000	0.5152	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	31226	1.0000	0.3147	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	54122	2.0000	0.2703	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	128459	5.0000	0.2561	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	265812	10.0000	0.2629	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	548580	20.0000	0.2553	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1133633	40.0000	0.2631	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:28 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

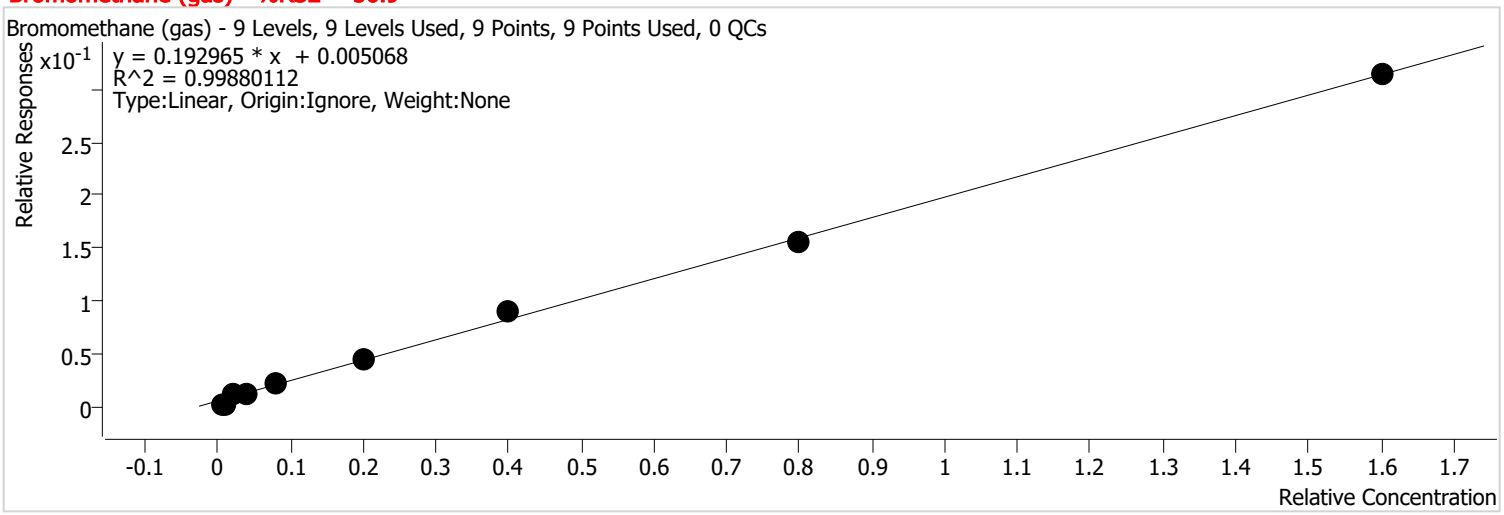
vinyl chloride (gas) %RSE = 31.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	3412	0.1000	0.3427	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	3809	0.2000	0.1989	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	25623	0.5000	0.5432	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	33138	1.0000	0.3340	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	65204	2.0000	0.3256	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	154543	5.0000	0.3080	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	323161	10.0000	0.3196	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	676275	20.0000	0.3147	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1388142	40.0000	0.3221	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:28 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

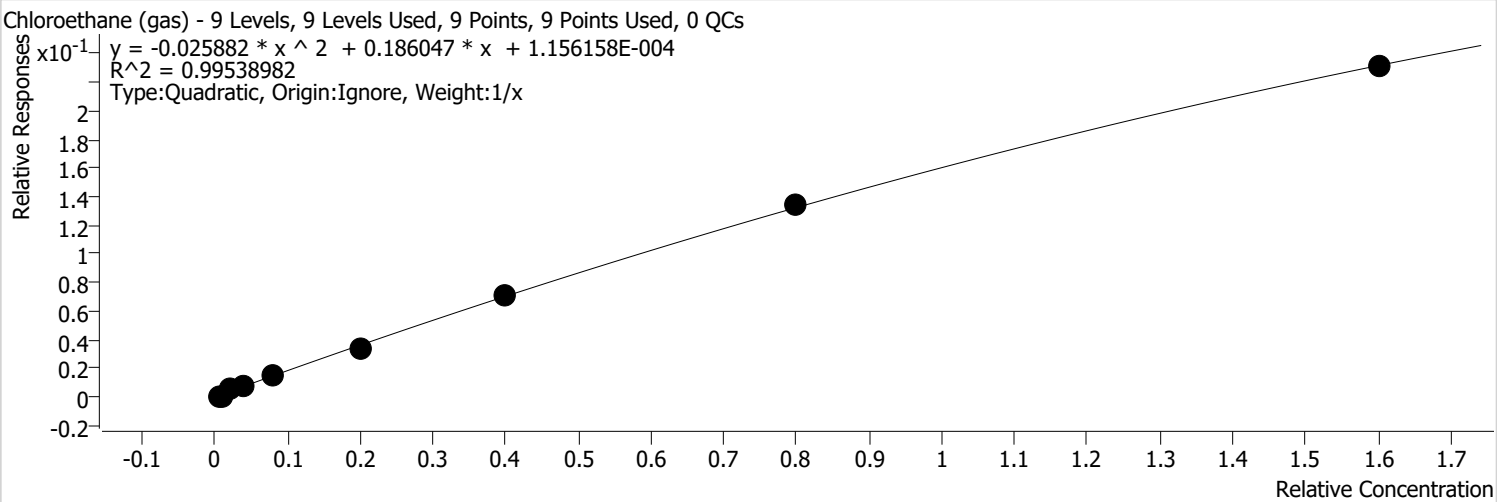
Bromomethane (gas) %RSE = 56.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	5797	0.1000	0.5823	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	6510	0.2000	0.3399	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	25360	0.5000	0.5376	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	29292	1.0000	0.2952	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	55970	2.0000	0.2795	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	113604	5.0000	0.2264	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	225775	10.0000	0.2233	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	417735	20.0000	0.1944	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	845019	40.0000	0.1961	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:28 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

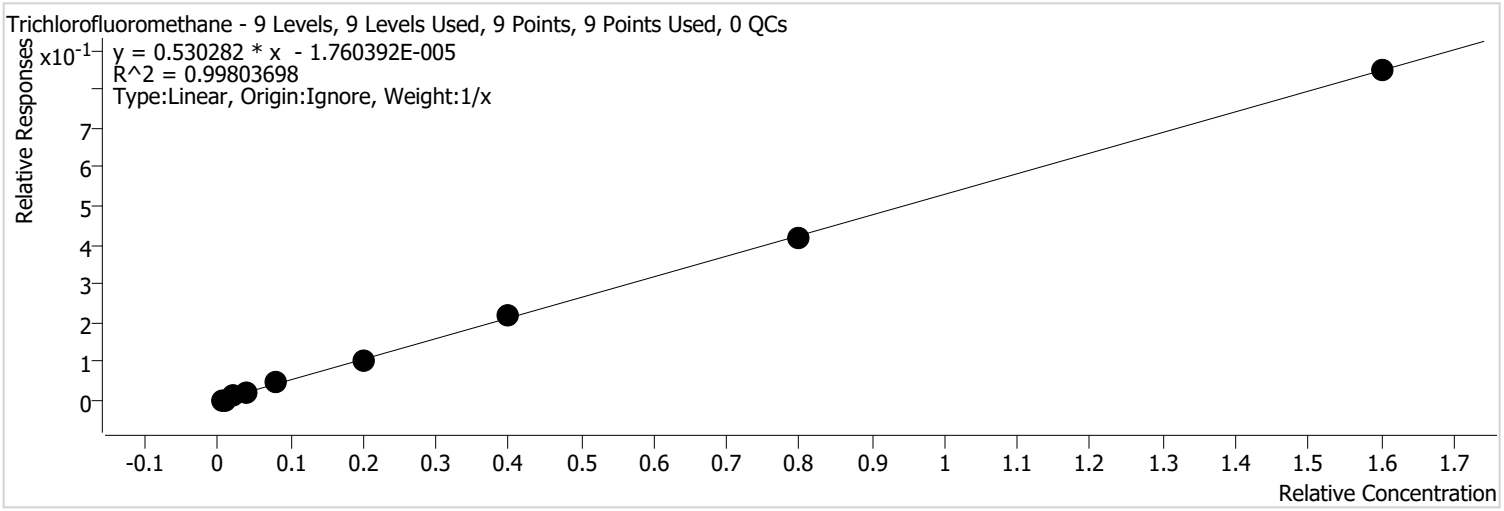
Chloroethane (gas) %RSE = 30.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	2048	0.1000	0.2058	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	2169	0.2000	0.1132	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	14146	0.5000	0.2999	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	19076	1.0000	0.1923	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	35943	2.0000	0.1795	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	84373	5.0000	0.1682	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	177959	10.0000	0.1760	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	361951	20.0000	0.1684	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	621299	40.0000	0.1442	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:28 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

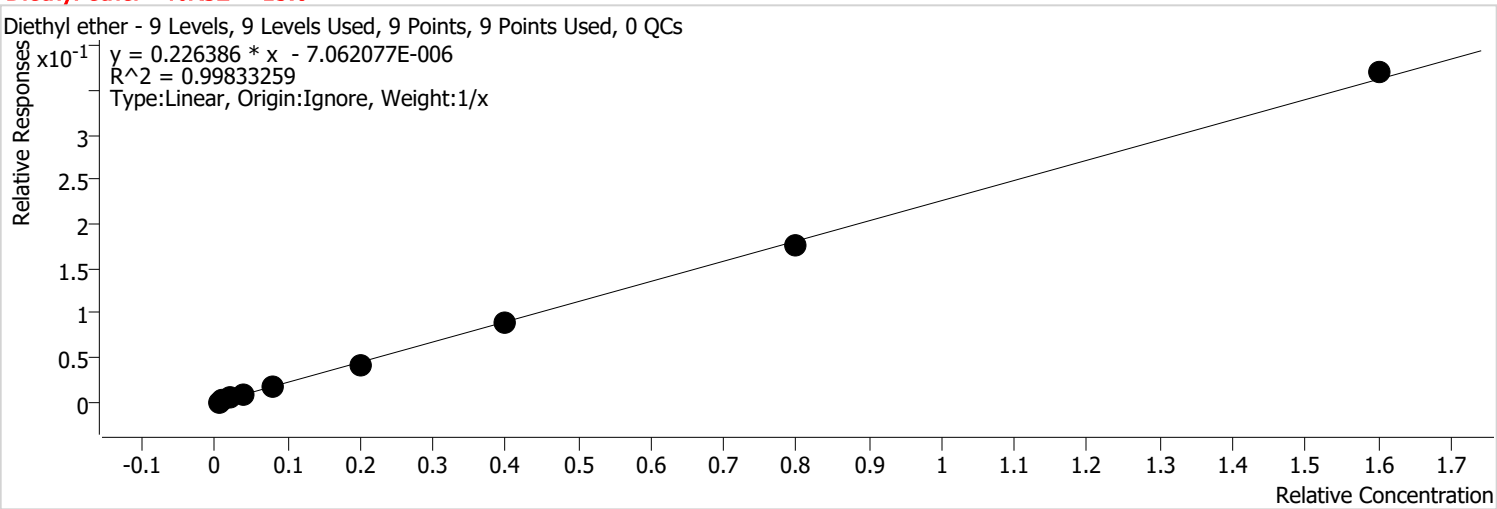
Trichlorofluoromethane %RSE = 22.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	4142	0.1000	0.4160	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	6556	0.2000	0.3423	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	34845	0.5000	0.7386	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	57921	1.0000	0.5837	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	114836	2.0000	0.5735	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	261212	5.0000	0.5207	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	547324	10.0000	0.5413	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	1113766	20.0000	0.5183	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	2282855	40.0000	0.5297	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:28 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

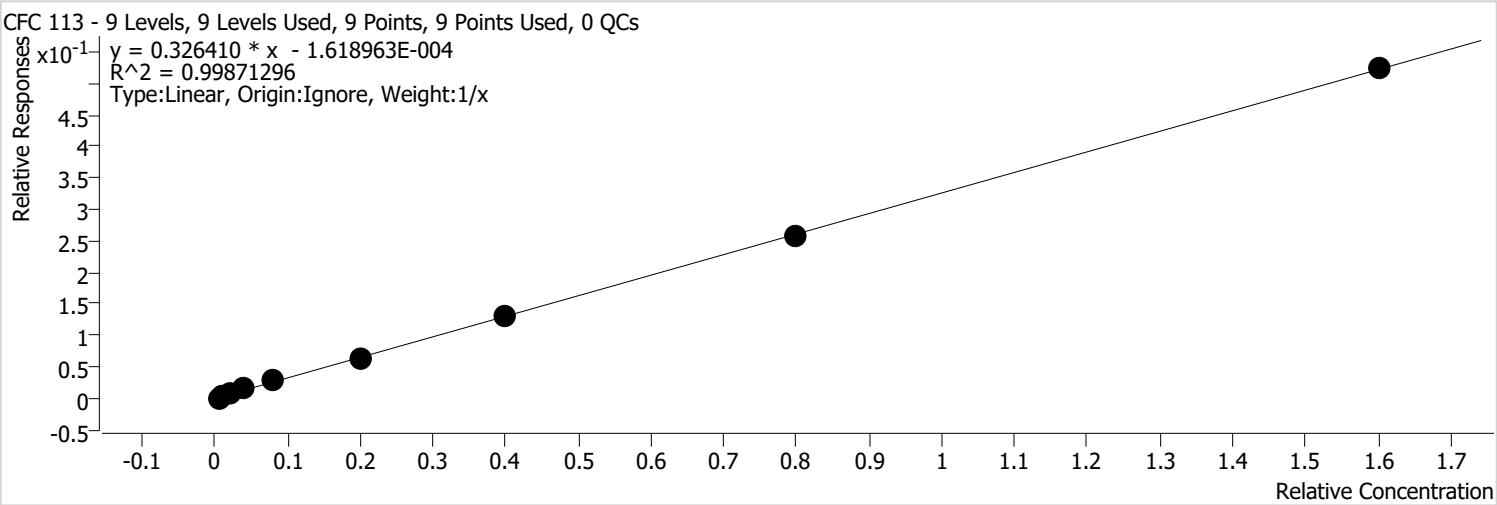
Diethyl ether %RSE = 15.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	2002	0.1000	0.2011	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	3489	0.2000	0.1821	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	14034	0.5000	0.2975	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	23001	1.0000	0.2318	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	47675	2.0000	0.2381	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	104986	5.0000	0.2093	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	225105	10.0000	0.2226	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	474203	20.0000	0.2207	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	995267	40.0000	0.2310	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:28 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

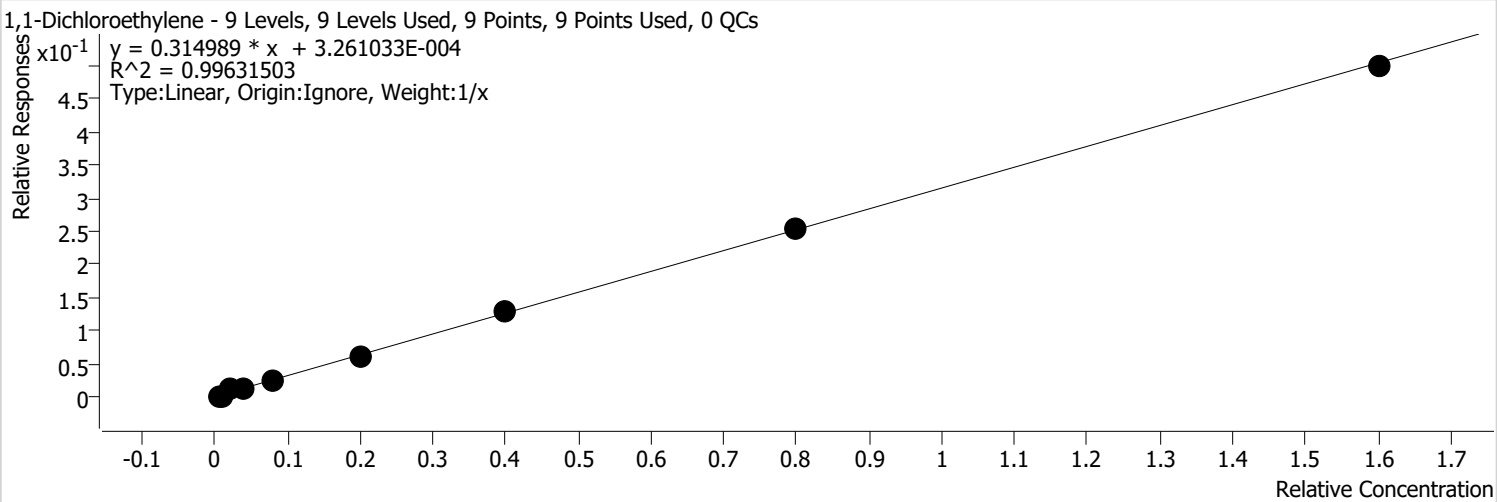
CFC 113 %RSE = 18.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	2109	0.1000	0.2118	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	4406	0.2000	0.2301	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	20055	0.5000	0.4251	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	35765	1.0000	0.3605	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	68157	2.0000	0.3404	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	159714	5.0000	0.3184	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	330759	10.0000	0.3271	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	689597	20.0000	0.3209	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1409433	40.0000	0.3271	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:28 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

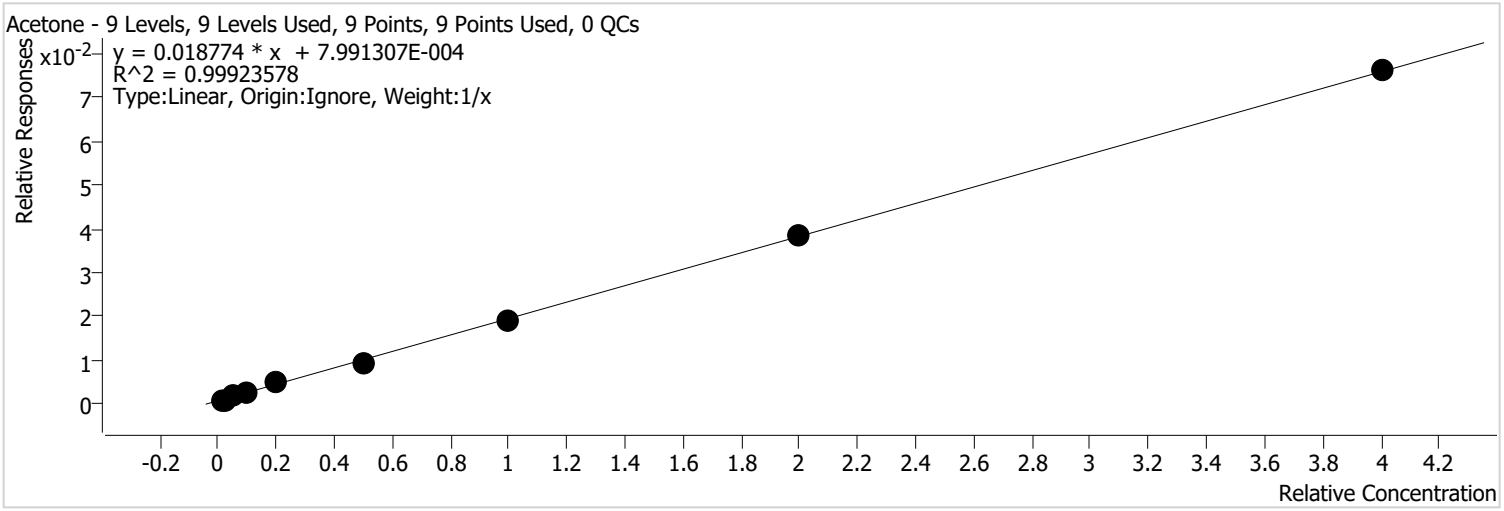
1,1-Dichloroethylene %RSE = 31.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	3135	0.1000	0.3149	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	4081	0.2000	0.2130	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	25047	0.5000	0.5309	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	34478	1.0000	0.3475	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	64867	2.0000	0.3240	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	153422	5.0000	0.3058	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	328864	10.0000	0.3252	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	678904	20.0000	0.3160	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1342291	40.0000	0.3115	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:28 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

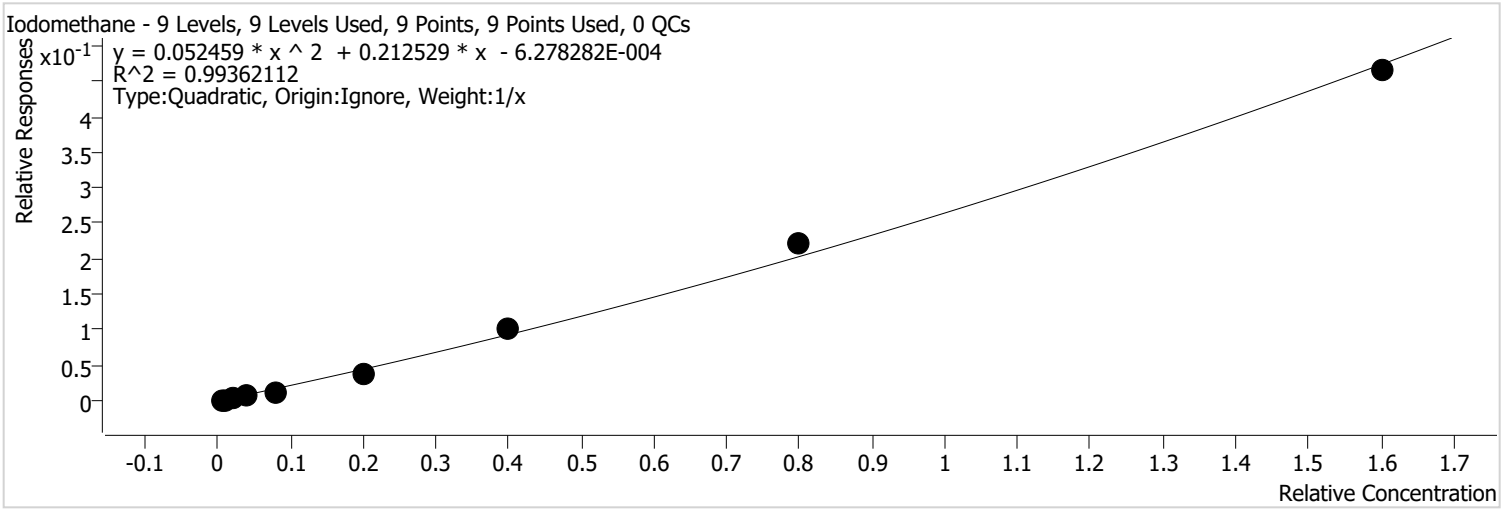
Acetone %RSE = 12.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	2525	0.2500	0.1015	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	2613	0.5000	0.0546	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	4397	1.2500	0.0373	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	6313	2.5000	0.0255	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	12033	5.0000	0.0240	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	24126	12.5000	0.0192	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	48940	25.0000	0.0194	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	103990	50.0000	0.0194	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	205002	100.0000	0.0190	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

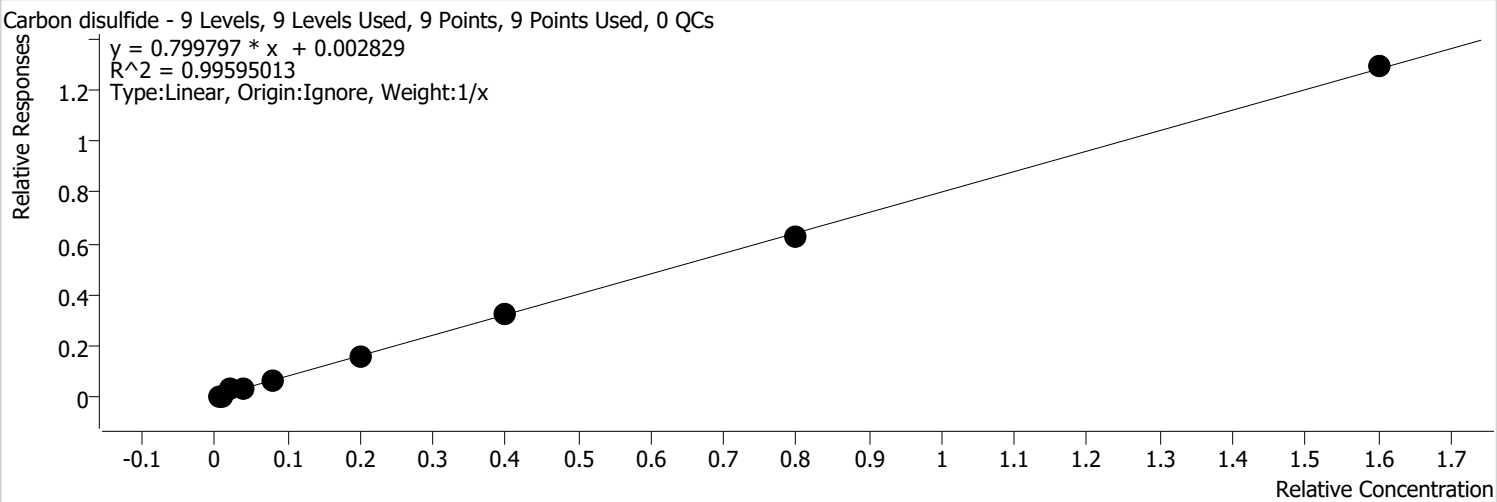
Iodomethane %RSE = 34.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	2014	0.1000	0.2023	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	2012	0.2000	0.1050	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	9589	0.5000	0.2033	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	13075	1.0000	0.1318	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	28712	2.0000	0.1434	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	91397	5.0000	0.1822	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	251285	10.0000	0.2485	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	590593	20.0000	0.2749	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1252065	40.0000	0.2905	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

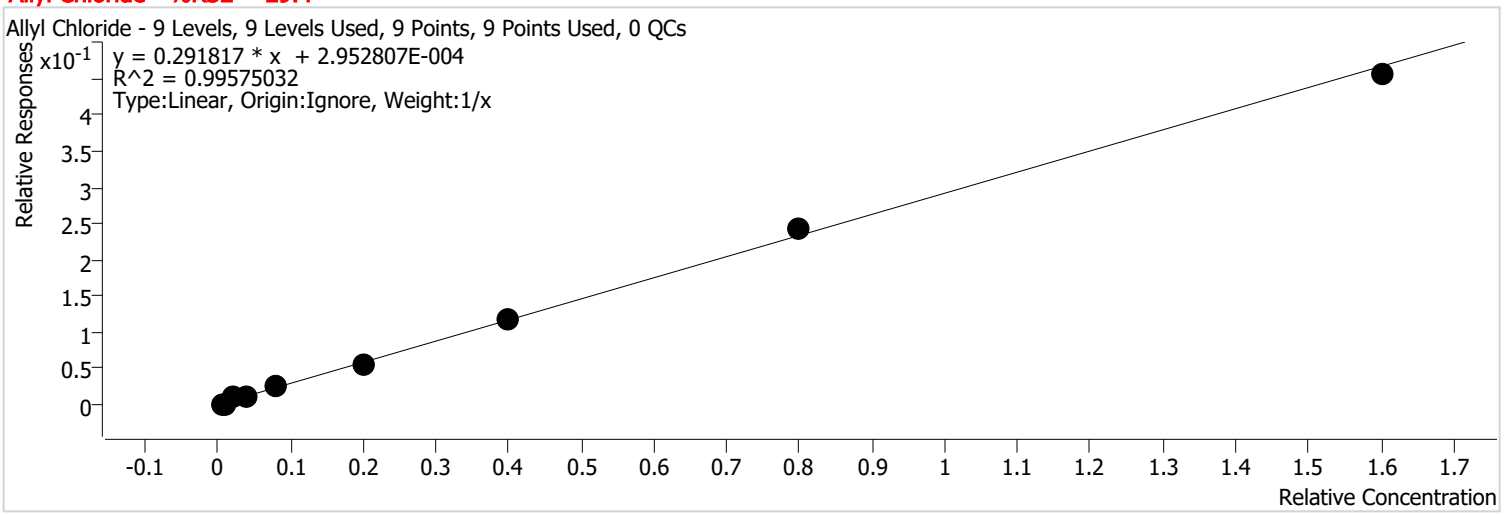
Carbon disulfide %RSE = 32.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	14079	0.1000	1.4142	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	14269	0.2000	0.7450	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	69402	0.5000	1.4712	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	85667	1.0000	0.8634	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	170598	2.0000	0.8520	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	388185	5.0000	0.7738	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	830748	10.0000	0.8216	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	1685953	20.0000	0.7846	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	3478804	40.0000	0.8073	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

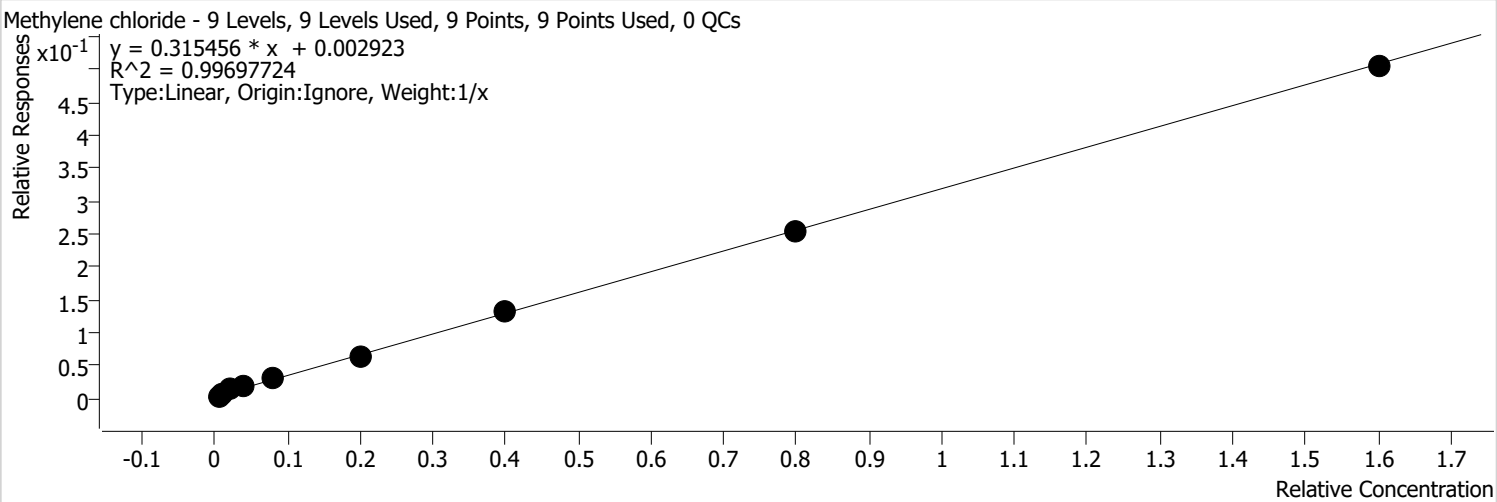
Allyl Chloride %RSE = 29.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	2963	0.1000	0.2976	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	4129	0.2000	0.2156	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	23076	0.5000	0.4892	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	29550	1.0000	0.2978	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	60652	2.0000	0.3029	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	138112	5.0000	0.2753	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	301048	10.0000	0.2977	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	655249	20.0000	0.3049	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1226892	40.0000	0.2847	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

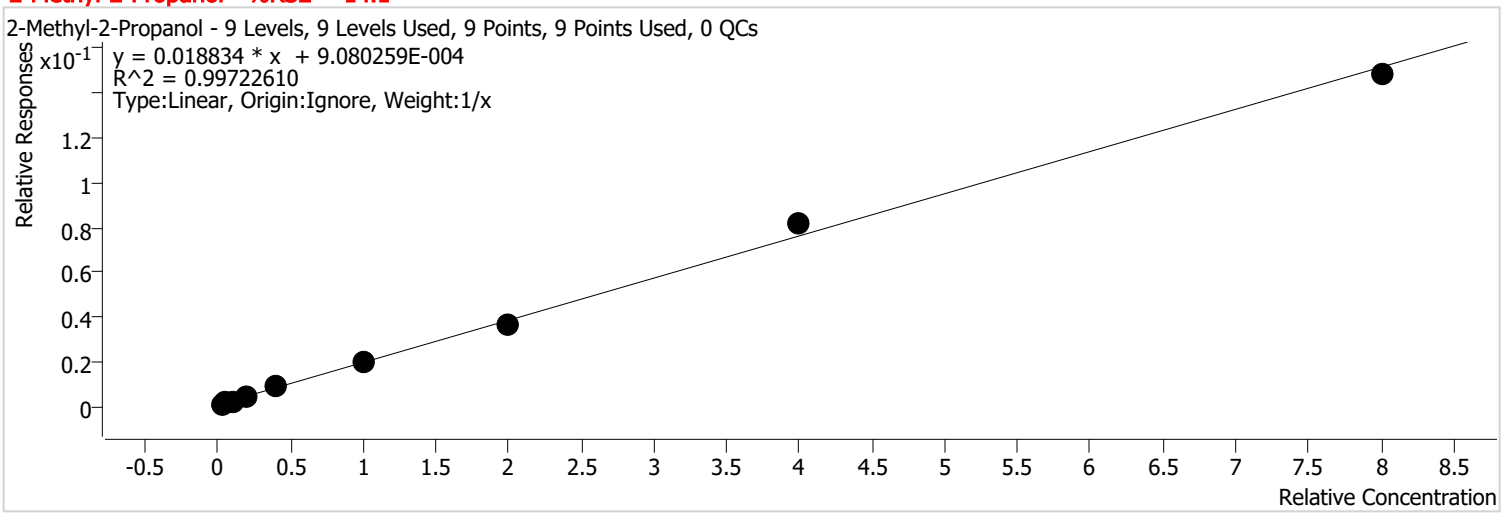
Methylene chloride %RSE = 30.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	8773	0.1000	0.8812	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	11987	0.2000	0.6258	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	30077	0.5000	0.6376	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	40880	1.0000	0.4120	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	75599	2.0000	0.3775	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	161861	5.0000	0.3226	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	335895	10.0000	0.3322	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	676474	20.0000	0.3148	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1355857	40.0000	0.3146	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

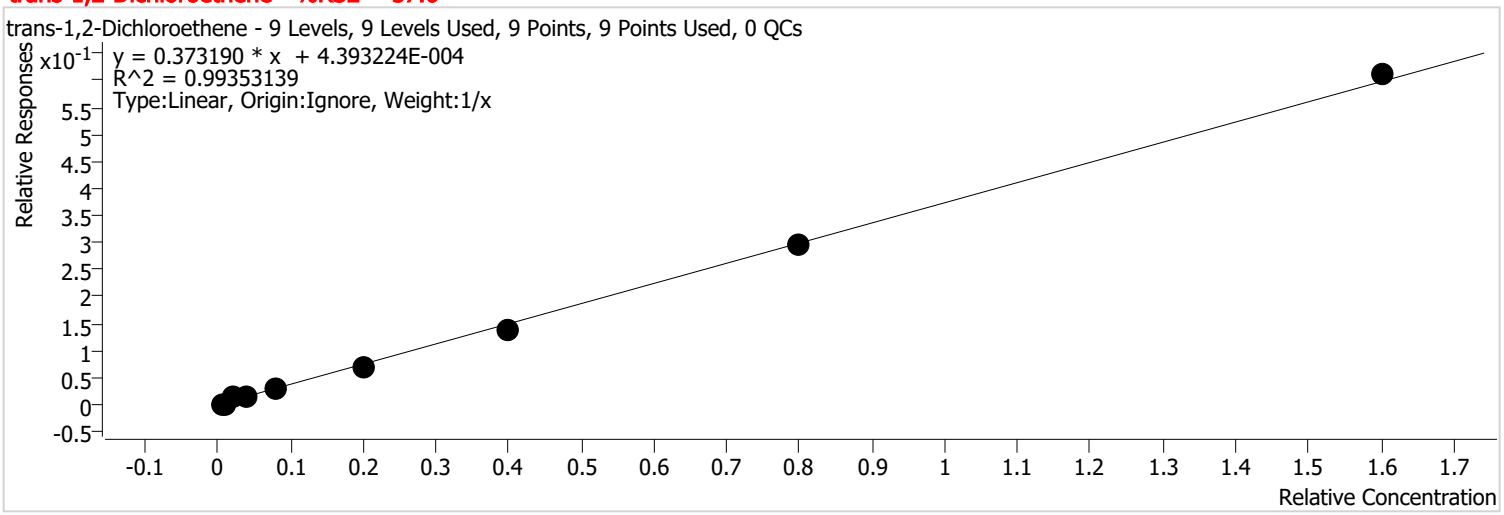
2-Methyl-2-Propanol %RSE = 14.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	3099	0.5000	0.0623	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	4436	1.0000	0.0463	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	5637	2.5000	0.0239	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	11473	5.0000	0.0231	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	22996	10.0000	0.0230	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	48776	25.0000	0.0194	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	92426	50.0000	0.0183	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	219089	100.0000	0.0204	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	398964	200.0000	0.0185	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

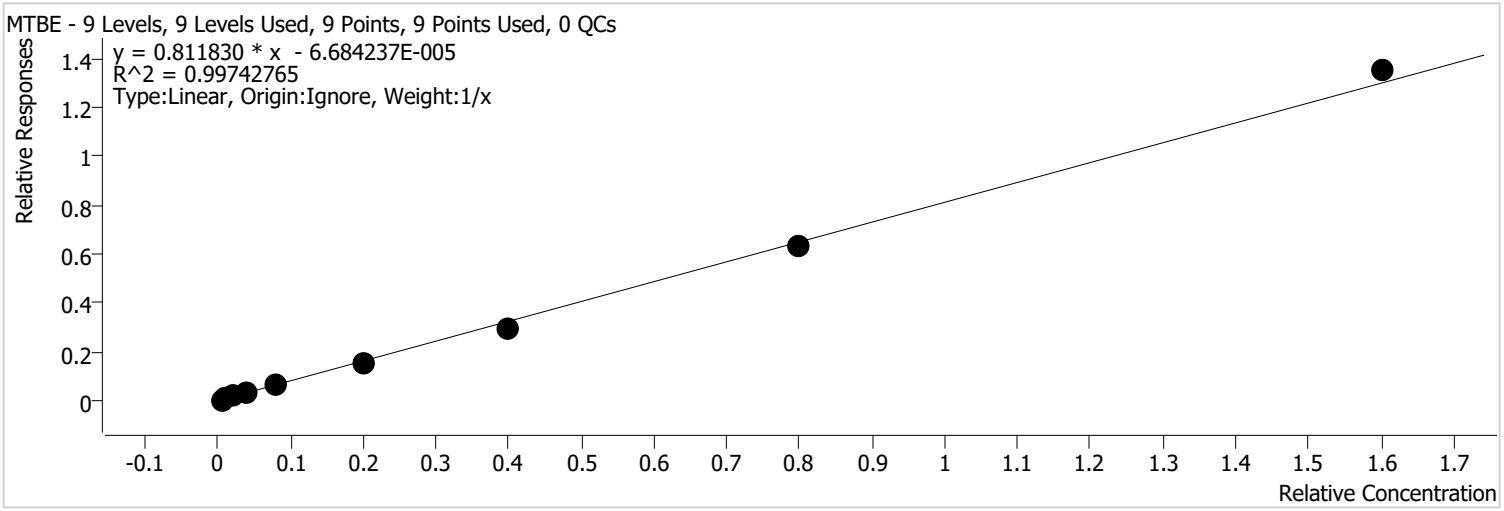
trans-1,2-Dichloroethene %RSE = 37.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	3784	0.1000	0.3801	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	4622	0.2000	0.2413	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	32794	0.5000	0.6952	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	40675	1.0000	0.4099	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	78562	2.0000	0.3923	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	174275	5.0000	0.3474	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	352043	10.0000	0.3482	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	795593	20.0000	0.3703	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1643419	40.0000	0.3814	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

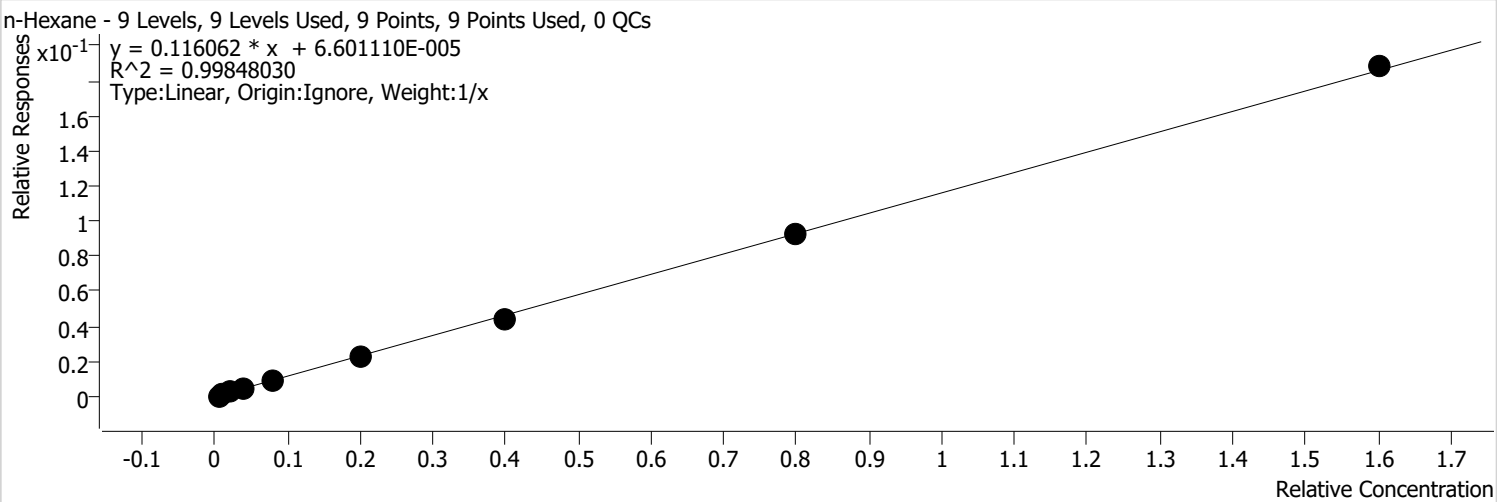
MTBE %RSE = 8.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	8112	0.1000	0.8148	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	14387	0.2000	0.7511	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	44732	0.5000	0.9482	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	81726	1.0000	0.8237	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	162871	2.0000	0.8134	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	371295	5.0000	0.7401	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	752200	10.0000	0.7439	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	1711090	20.0000	0.7963	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	3634482	40.0000	0.8434	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

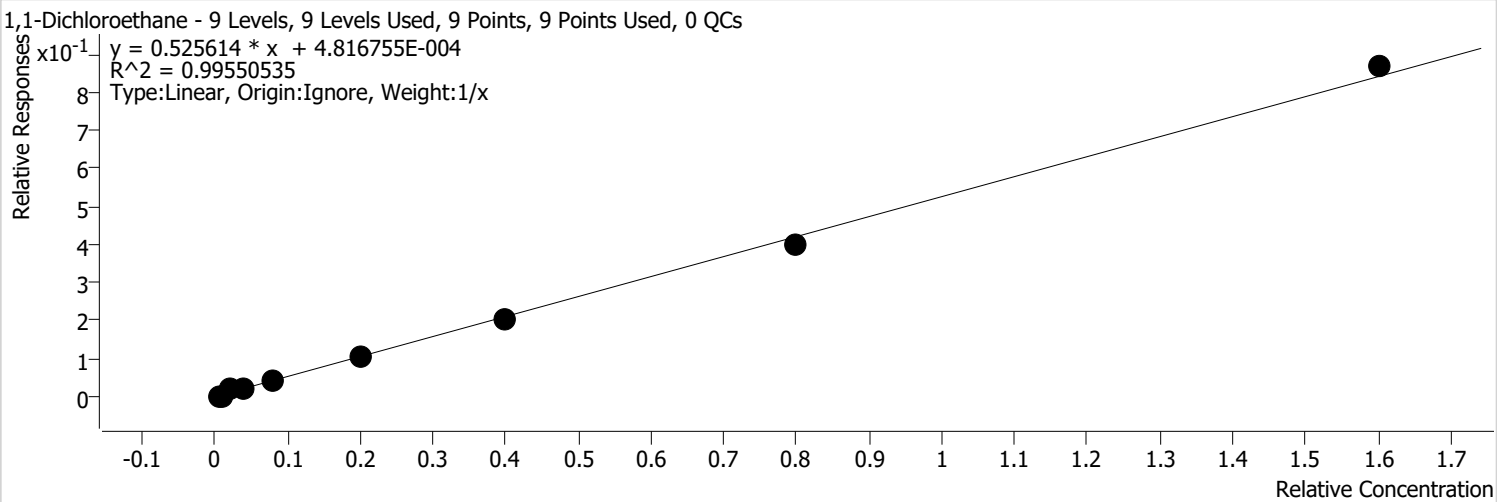
n-Hexane %RSE = 17.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	1096	0.1000	0.1101	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	1892	0.2000	0.0988	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	7494	0.5000	0.1589	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	12982	1.0000	0.1308	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	24017	2.0000	0.1199	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	56801	5.0000	0.1132	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	112678	10.0000	0.1114	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	247225	20.0000	0.1151	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	506153	40.0000	0.1175	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

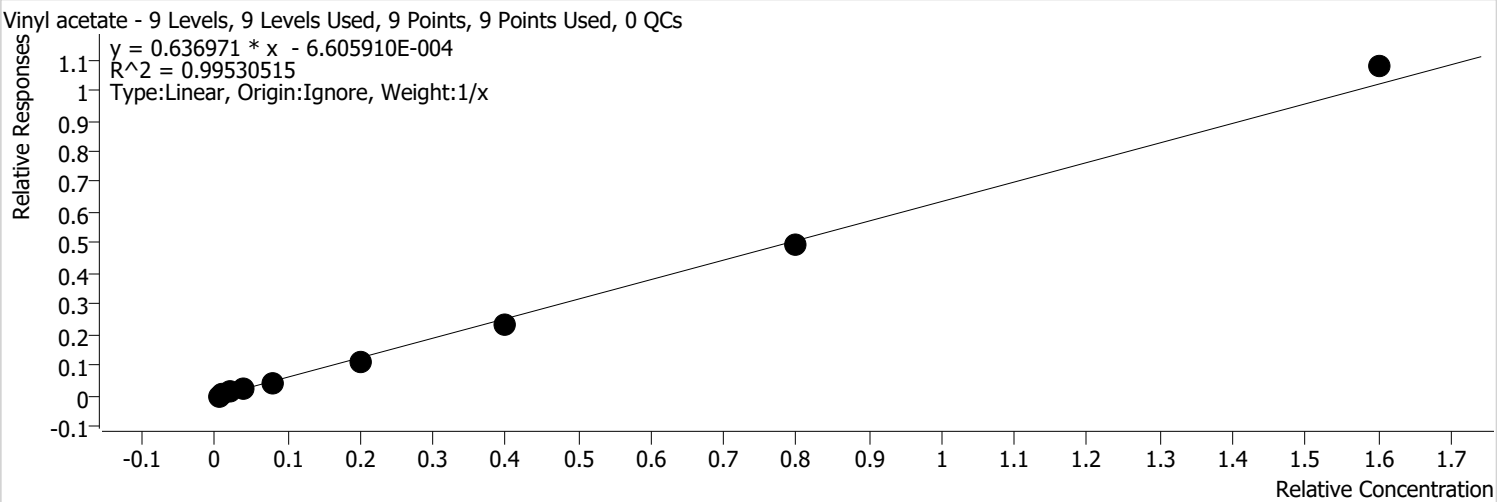
1,1-Dichloroethane %RSE = 29.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	5416	0.1000	0.5440	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	7098	0.2000	0.3706	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	41137	0.5000	0.8720	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	56844	1.0000	0.5729	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	106500	2.0000	0.5319	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	260848	5.0000	0.5199	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	510168	10.0000	0.5045	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	1074325	20.0000	0.5000	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	2335819	40.0000	0.5420	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

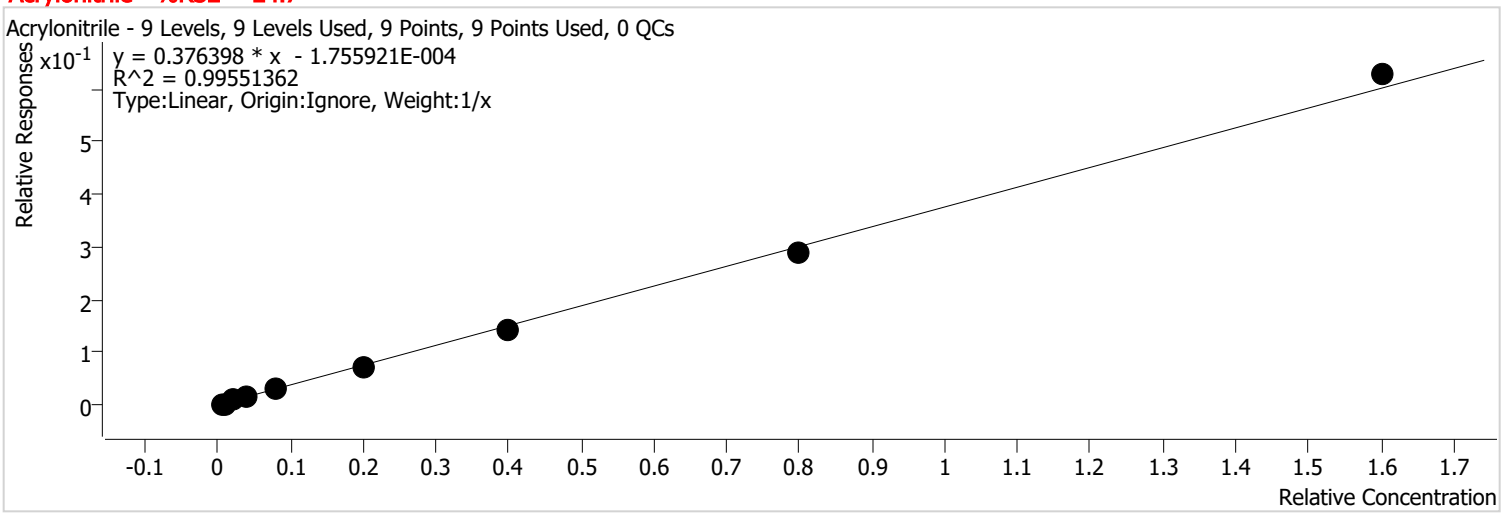
Vinyl acetate %RSE = 12.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	5768	0.1000	0.5794	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	10182	0.2000	0.5316	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	34517	0.5000	0.7317	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	57713	1.0000	0.5816	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	116670	2.0000	0.5827	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	271518	5.0000	0.5412	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	590403	10.0000	0.5839	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	1325331	20.0000	0.6168	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	2896683	40.0000	0.6722	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

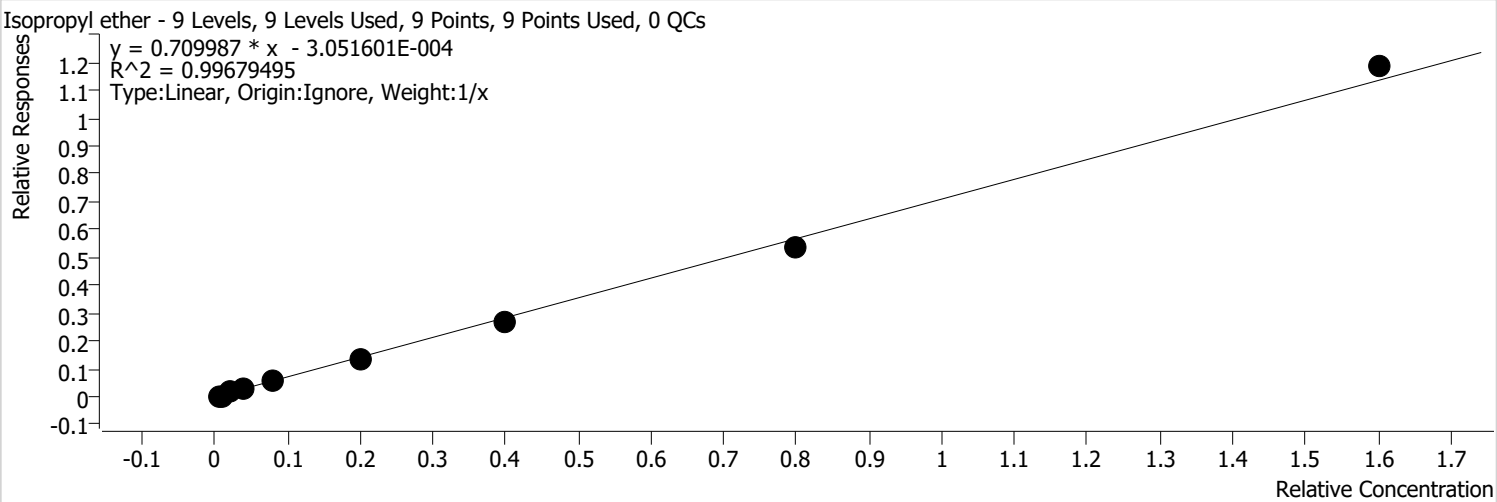
Acrylonitrile %RSE = 24.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	3485	0.1000	0.3501	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	4043	0.2000	0.2111	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	26512	0.5000	0.5620	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	36852	1.0000	0.3714	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	71272	2.0000	0.3559	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	173730	5.0000	0.3463	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	359589	10.0000	0.3556	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	773576	20.0000	0.3600	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1690508	40.0000	0.3923	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

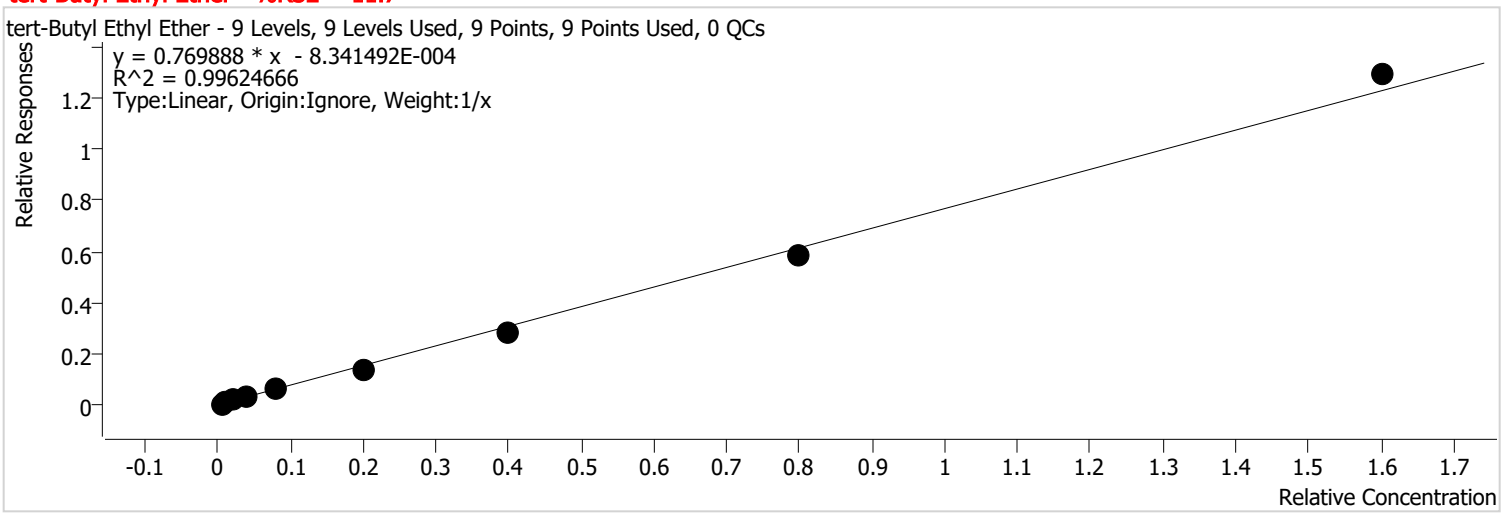
Isopropyl ether %RSE = 15.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	6363	0.1000	0.6391	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	9762	0.2000	0.5097	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	43841	0.5000	0.9294	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	72430	1.0000	0.7300	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	136669	2.0000	0.6825	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	333153	5.0000	0.6641	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	687612	10.0000	0.6800	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	1441290	20.0000	0.6708	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	3190818	40.0000	0.7404	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

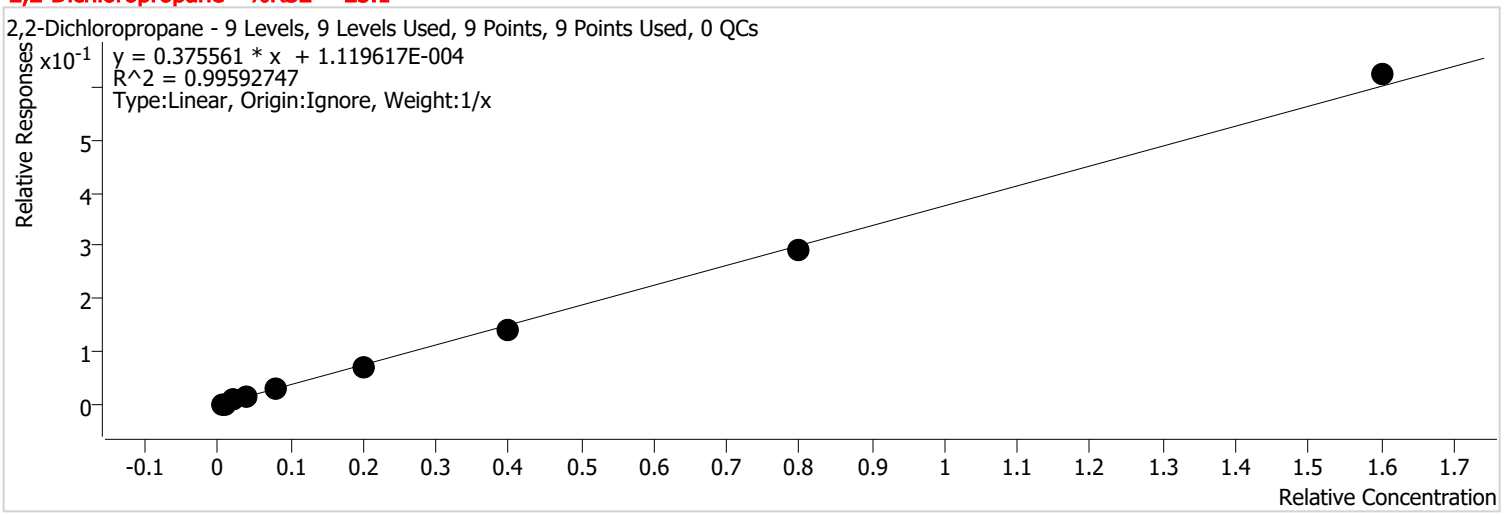
tert-Butyl Ethyl Ether %RSE = 11.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	6126	0.1000	0.6154	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	11079	0.2000	0.5785	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	42996	0.5000	0.9114	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	74257	1.0000	0.7484	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	148112	2.0000	0.7397	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	344422	5.0000	0.6865	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	717744	10.0000	0.7098	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	1583735	20.0000	0.7371	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	3484926	40.0000	0.8087	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

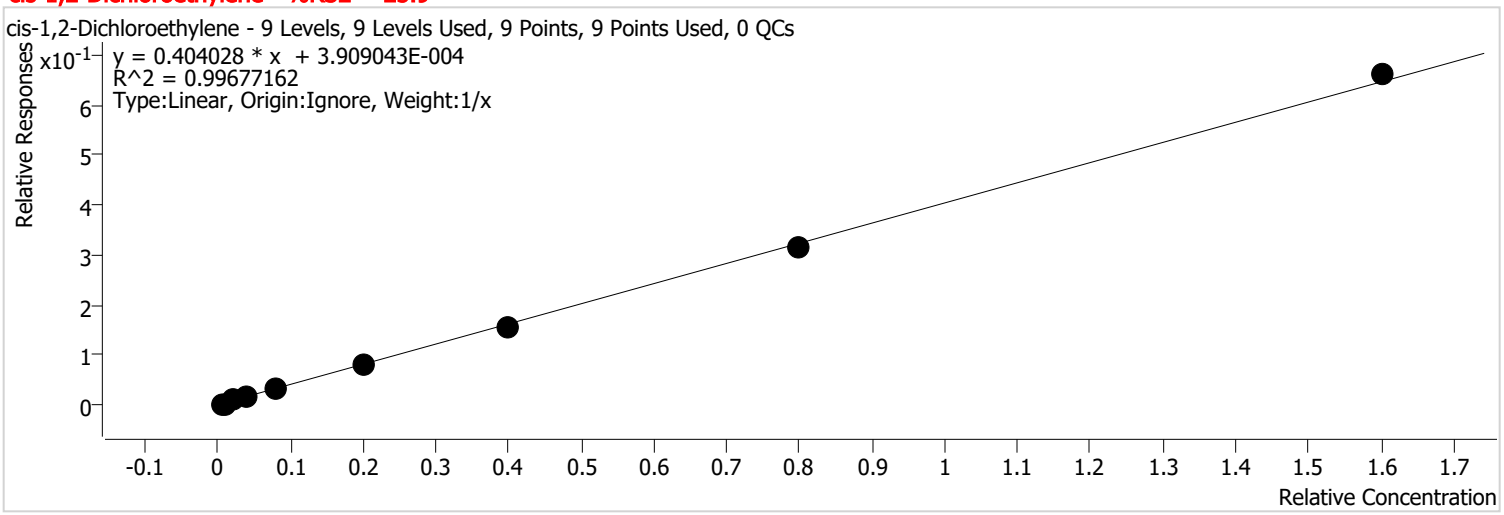
2,2-Dichloropropane %RSE = 23.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	3730	0.1000	0.3746	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	5264	0.2000	0.2748	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	26943	0.5000	0.5711	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	39189	1.0000	0.3950	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	74013	2.0000	0.3696	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	171978	5.0000	0.3428	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	352769	10.0000	0.3489	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	788054	20.0000	0.3668	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1677383	40.0000	0.3892	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

cis-1,2-Dichloroethylene %RSE = 25.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	4352	0.1000	0.4371	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	5828	0.2000	0.3043	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	30409	0.5000	0.6446	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	43912	1.0000	0.4426	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	81477	2.0000	0.4069	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	195227	5.0000	0.3891	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	393079	10.0000	0.3887	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	847142	20.0000	0.3942	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1780231	40.0000	0.4131	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
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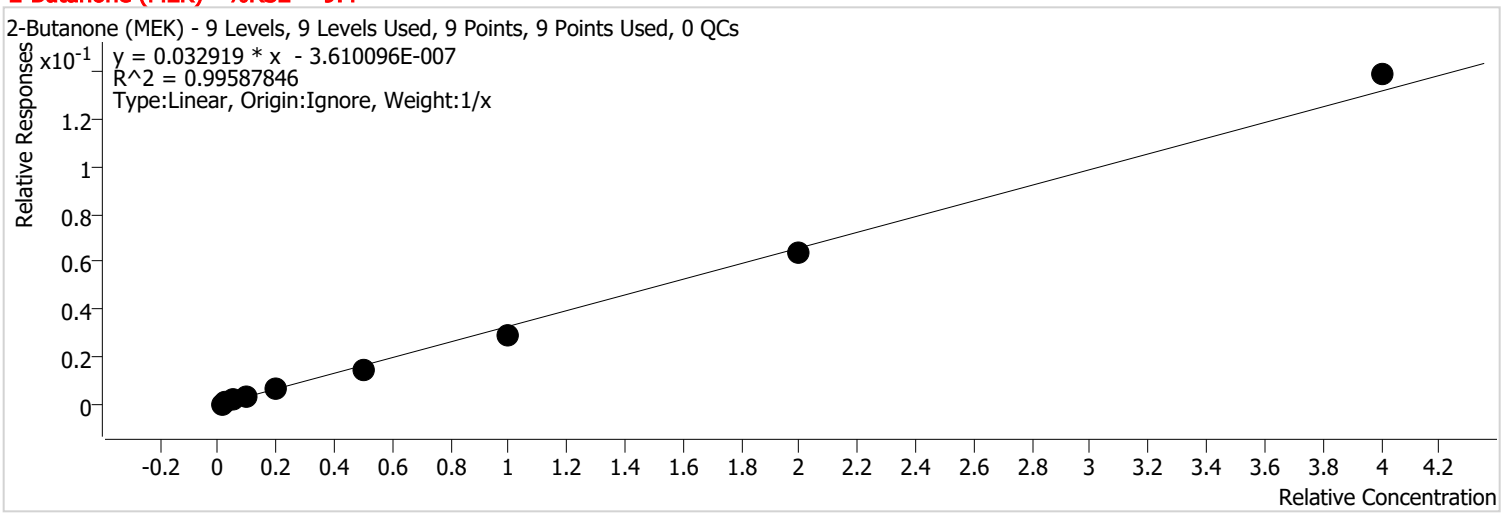
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

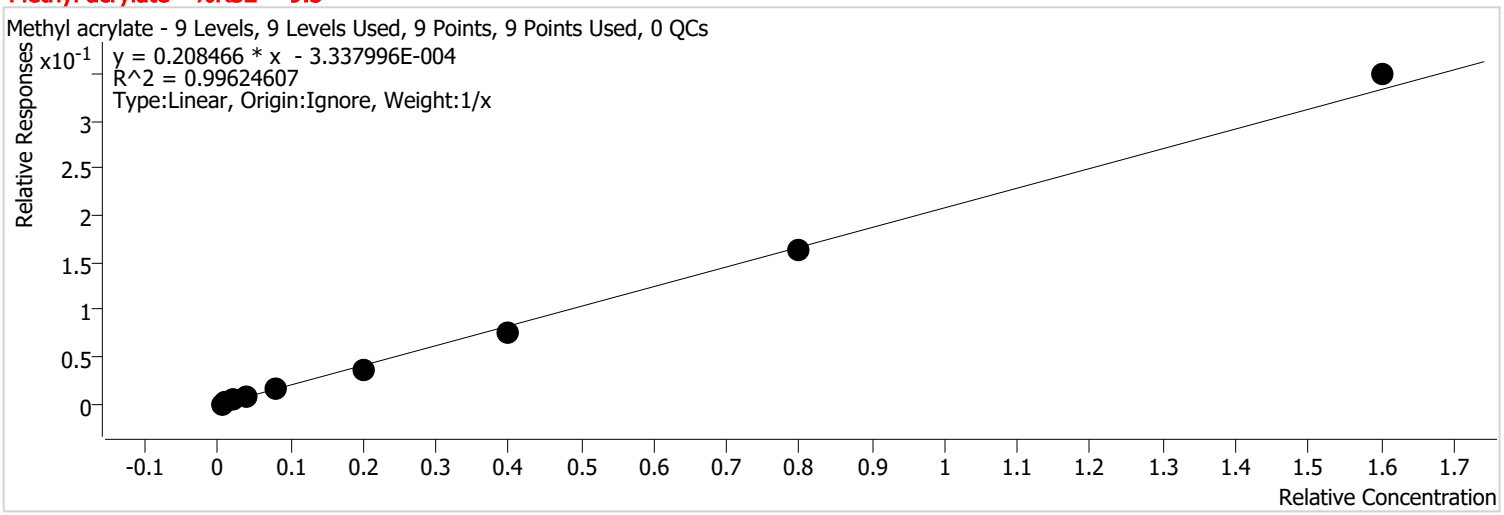
2-Butanone (MEK) %RSE = 9.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	813	0.2500	0.0326	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	1866	0.5000	0.0390	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	3910	1.2500	0.0332	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	8223	2.5000	0.0332	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	16472	5.0000	0.0329	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	36787	12.5000	0.0293	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	74018	25.0000	0.0293	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	172597	50.0000	0.0321	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	373120	100.0000	0.0346	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

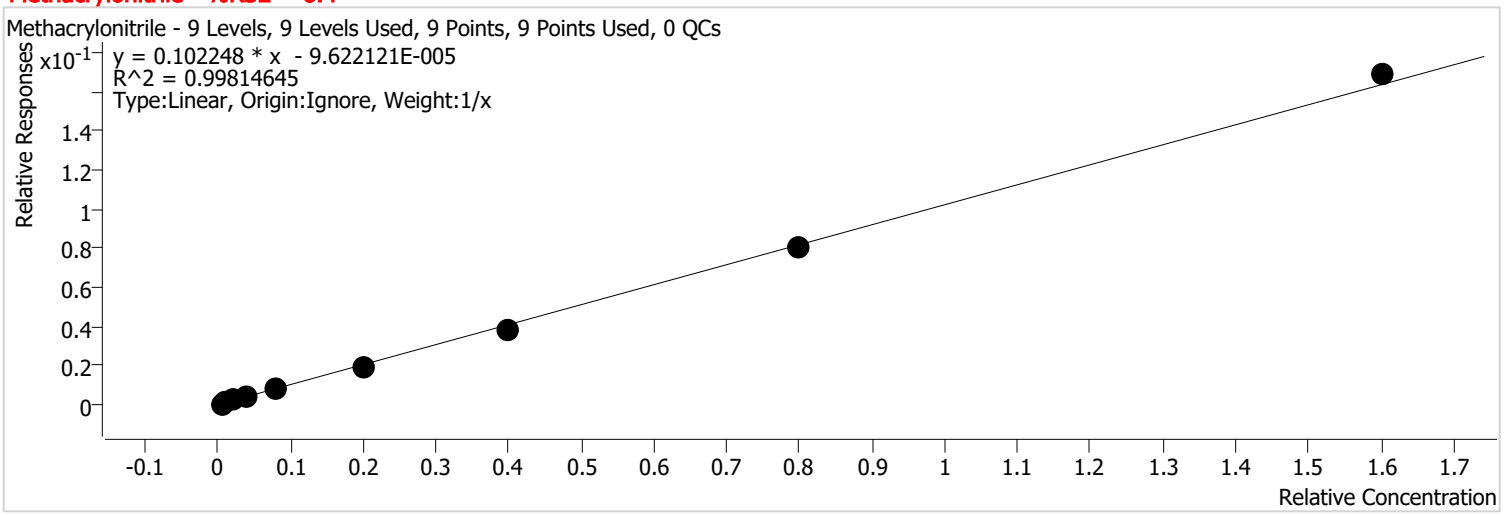
Methyl acrylate %RSE = 9.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	1527	0.1000	0.1534	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	3074	0.2000	0.1605	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	10145	0.5000	0.2151	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	20130	1.0000	0.2029	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	39227	2.0000	0.1959	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	90548	5.0000	0.1805	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	188984	10.0000	0.1869	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	441623	20.0000	0.2055	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	939503	40.0000	0.2180	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

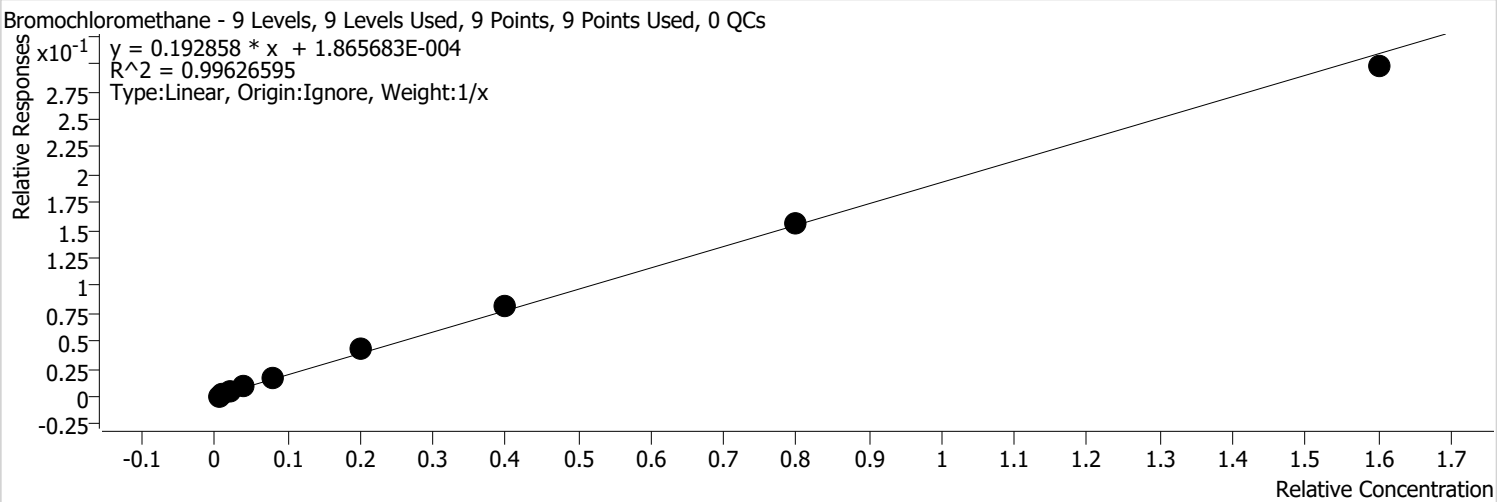
Methacrylonitrile %RSE = 8.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	652	0.1000	0.0655	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	1814	0.2000	0.0947	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	5203	0.5000	0.1103	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	10658	1.0000	0.1074	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	20275	2.0000	0.1013	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	48056	5.0000	0.0958	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	94940	10.0000	0.0939	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	216219	20.0000	0.1006	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	454063	40.0000	0.1054	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

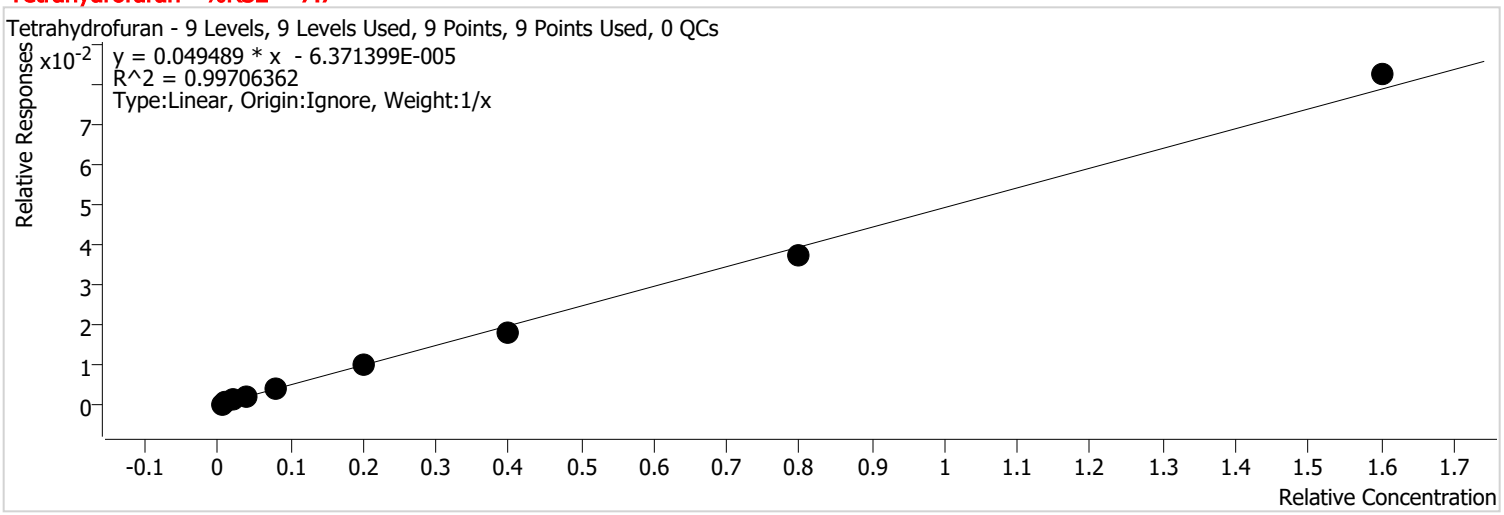
Bromochloromethane %RSE = 26.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	1401	0.1000	0.1408	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	3255	0.2000	0.1699	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	12866	0.5000	0.2727	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	22701	1.0000	0.2288	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	43709	2.0000	0.2183	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	105963	5.0000	0.2112	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	204395	10.0000	0.2021	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	417388	20.0000	0.1942	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	800158	40.0000	0.1857	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

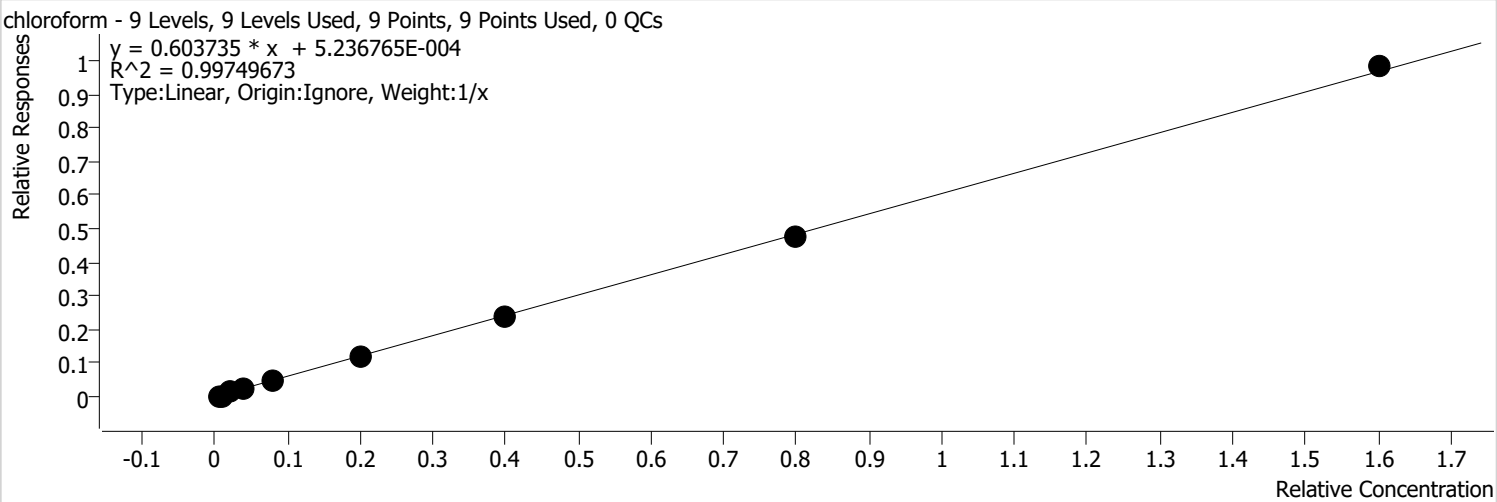
Tetrahydrofuran %RSE = 7.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	278	0.1000	0.0279	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	890	0.2000	0.0465	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	2311	0.5000	0.0490	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	5084	1.0000	0.0512	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	9809	2.0000	0.0490	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	24095	5.0000	0.0480	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	45413	10.0000	0.0449	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	101184	20.0000	0.0471	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	222855	40.0000	0.0517	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

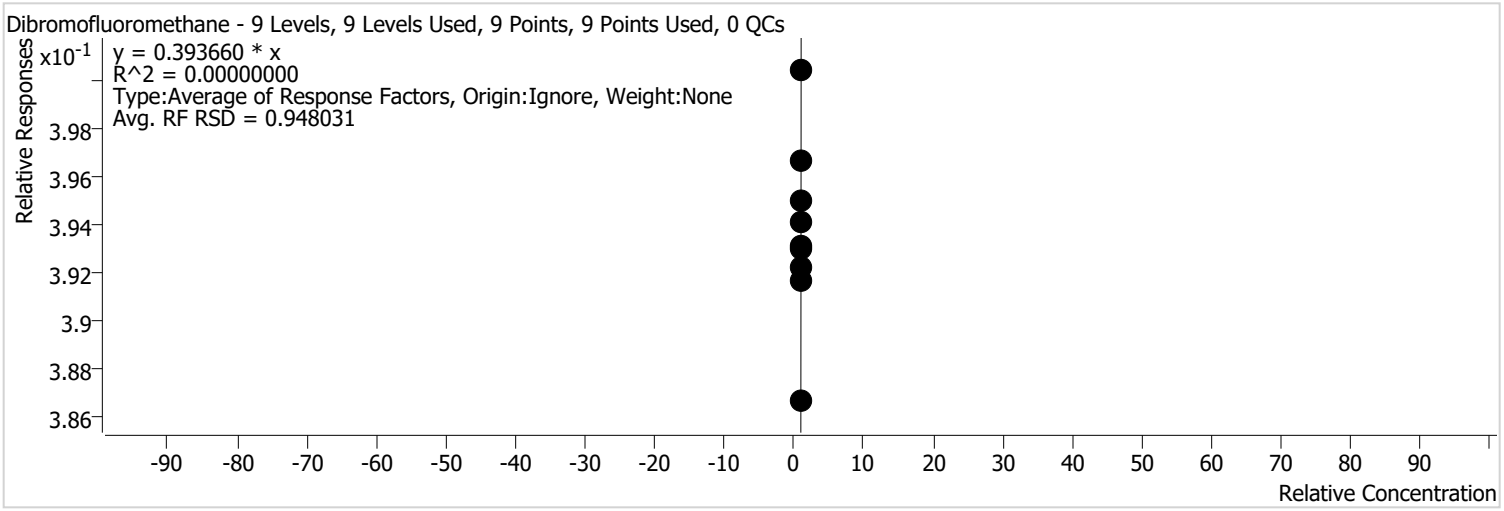
chloroform %RSE = 23.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	6099	0.1000	0.6126	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	9027	0.2000	0.4713	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	43815	0.5000	0.9288	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	65495	1.0000	0.6601	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	125577	2.0000	0.6271	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	296527	5.0000	0.5911	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	591898	10.0000	0.5854	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	1270529	20.0000	0.5913	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	2642022	40.0000	0.6131	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

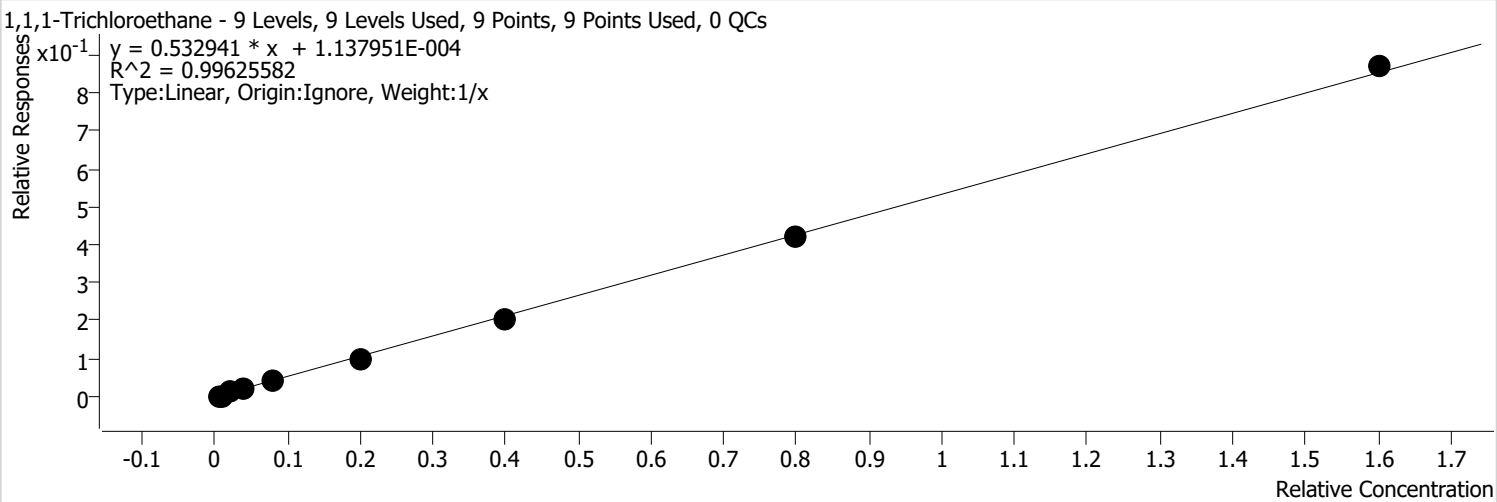
Dibromofluoromethane %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1078455	25.0000	0.4004	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	1055761	25.0000	0.3931	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	977592	25.0000	0.3867	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	985887	25.0000	0.3930	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	988591	25.0000	0.3950	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	984003	25.0000	0.3967	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	929684	25.0000	0.3942	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	938976	25.0000	0.3922	
D:\GC-19\Data\092321\092302.D	Calibration	1	x	974961	25.0000	0.3917	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

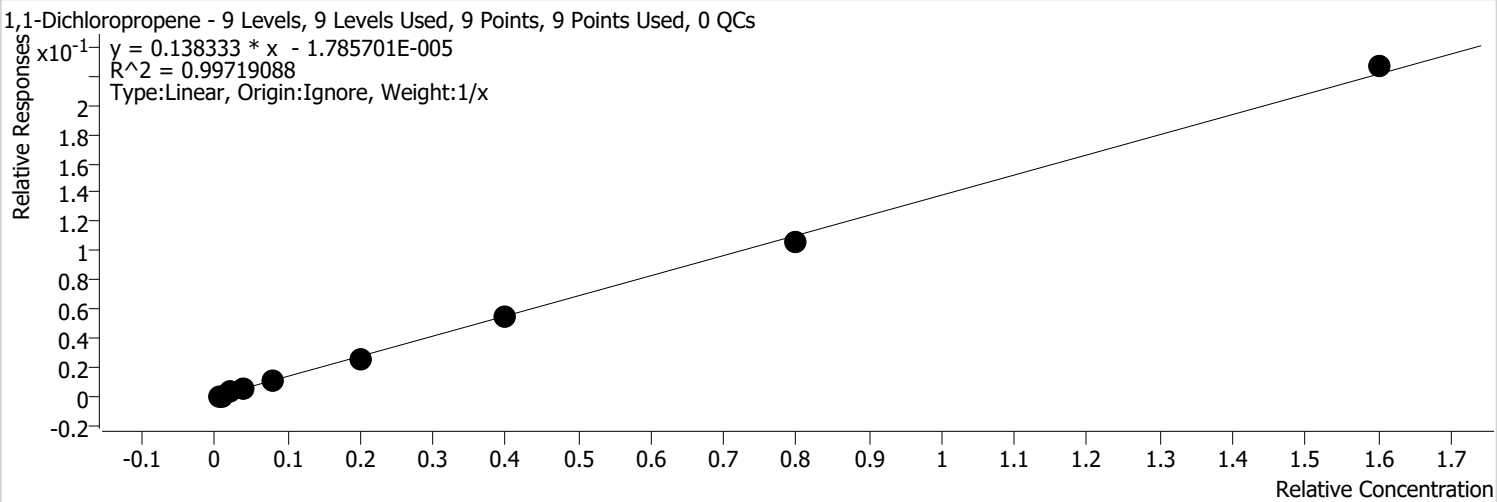
1,1,1-Trichloroethane %RSE = 27.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	5127	0.1000	0.5150	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	5982	0.2000	0.3123	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	39310	0.5000	0.8333	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	55977	1.0000	0.5641	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	112387	2.0000	0.5613	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	241241	5.0000	0.4809	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	518047	10.0000	0.5123	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	1134692	20.0000	0.5281	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	2339489	40.0000	0.5429	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

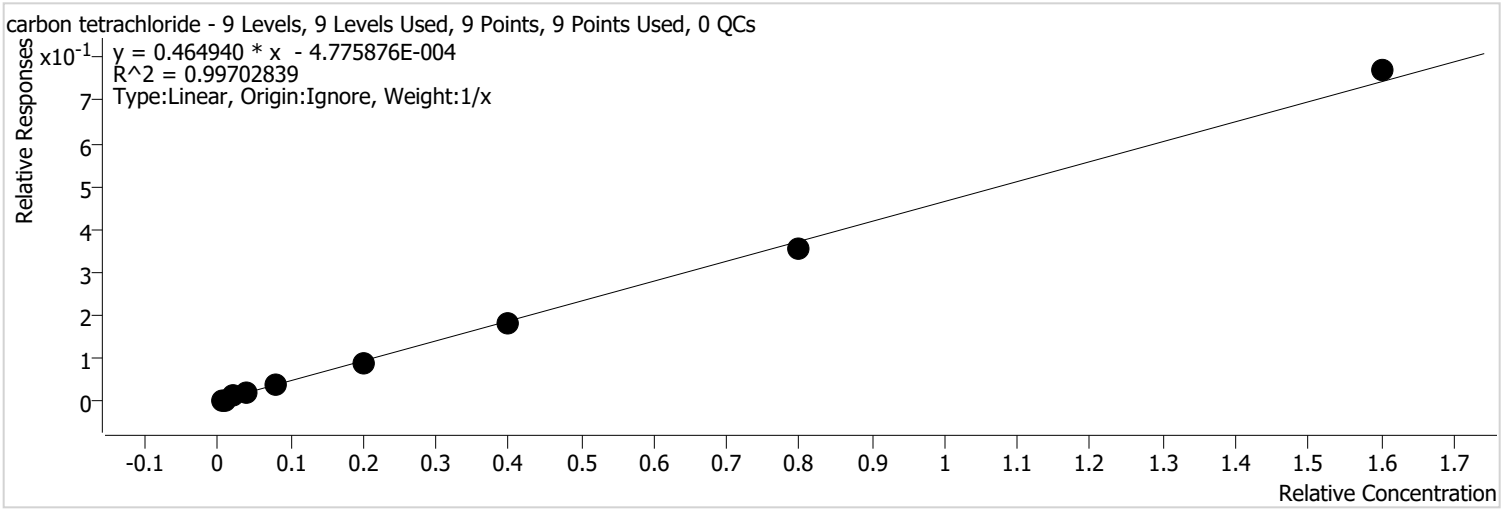
1,1-Dichloropropene %RSE = 22.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	1133	0.1000	0.1138	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	1704	0.2000	0.0890	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	9447	0.5000	0.2003	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	14688	1.0000	0.1480	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	28962	2.0000	0.1446	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	65334	5.0000	0.1302	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	137870	10.0000	0.1363	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	285330	20.0000	0.1328	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	609741	40.0000	0.1415	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

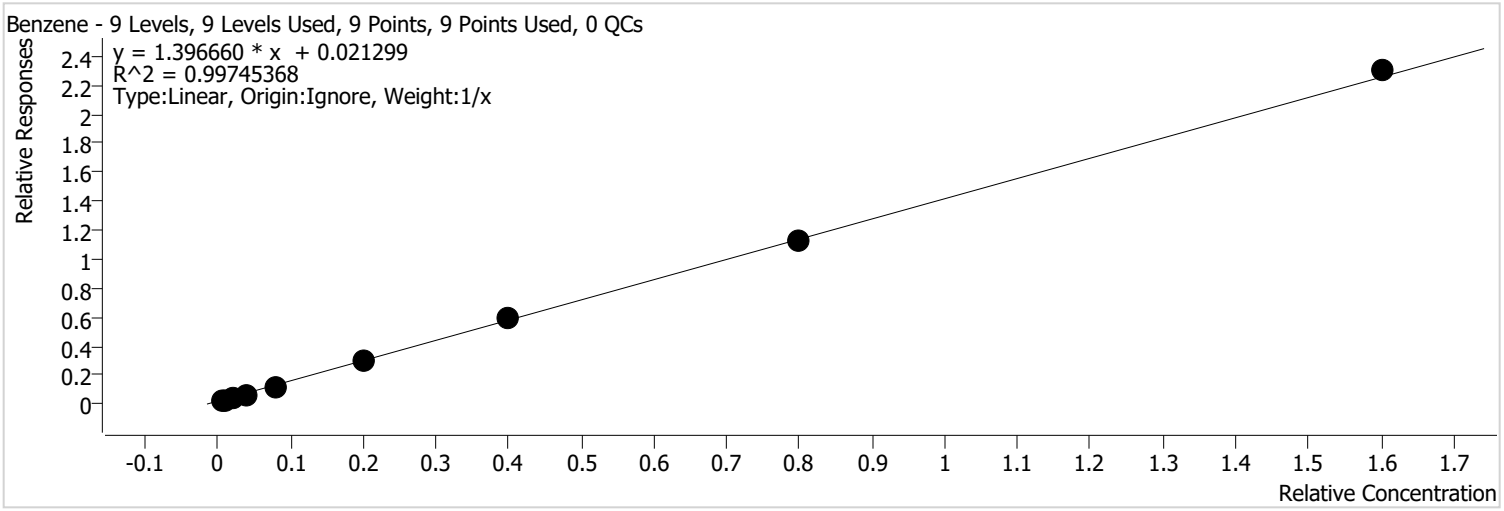
carbon tetrachloride %RSE = 19.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	3573	0.1000	0.3589	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	4841	0.2000	0.2527	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	29269	0.5000	0.6205	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	45540	1.0000	0.4590	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	93673	2.0000	0.4678	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	213675	5.0000	0.4259	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	454156	10.0000	0.4491	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	955075	20.0000	0.4445	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	2071544	40.0000	0.4807	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

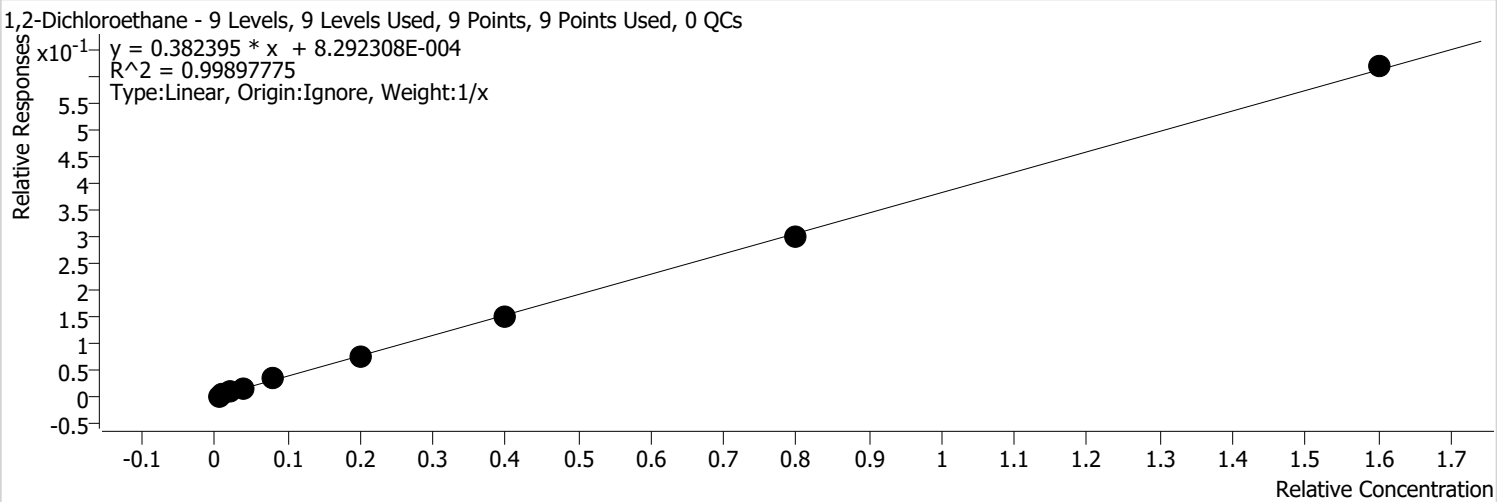
Benzene %RSE = 29.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	76312	0.1000	7.6653	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	71131	0.2000	3.7137	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	114925	0.5000	2.4362	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	151272	1.0000	1.5246	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	302238	2.0000	1.5094	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	734085	5.0000	1.4632	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	1481247	10.0000	1.4649	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	3020161	20.0000	1.4055	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	6195070	40.0000	1.4376	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

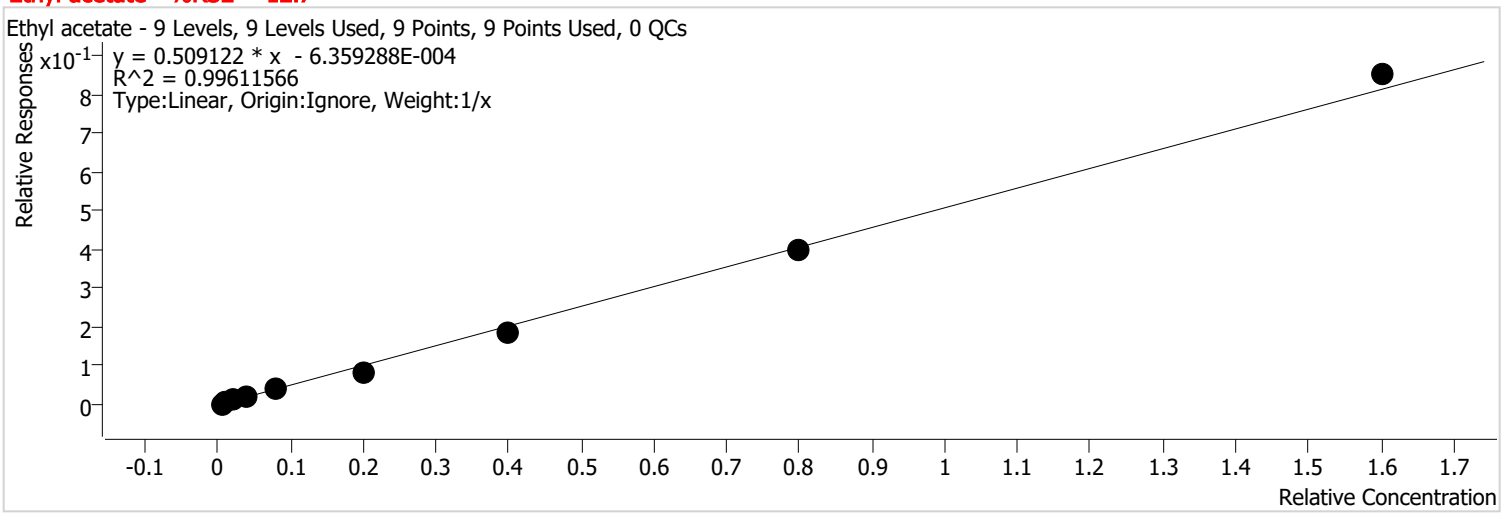
1,2-Dichloroethane %RSE = 14.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	5422	0.1000	0.5446	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	7650	0.2000	0.3994	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	24287	0.5000	0.5148	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	43605	1.0000	0.4395	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	83622	2.0000	0.4176	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	187991	5.0000	0.3747	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	384230	10.0000	0.3800	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	806823	20.0000	0.3755	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1666637	40.0000	0.3867	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

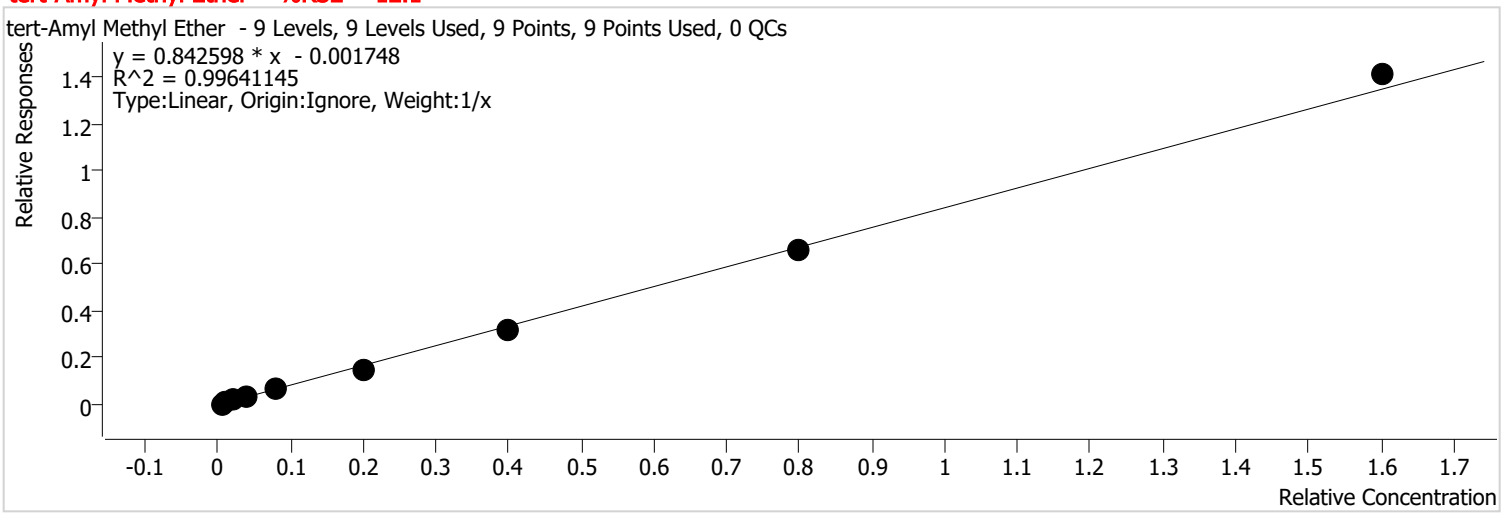
Ethyl acetate %RSE = 12.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	4738	0.1000	0.4760	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	7955	0.2000	0.4153	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	24892	0.5000	0.5277	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	44666	1.0000	0.4502	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	96812	2.0000	0.4835	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	212536	5.0000	0.4236	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	477071	10.0000	0.4718	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	1077842	20.0000	0.5016	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	2294303	40.0000	0.5324	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

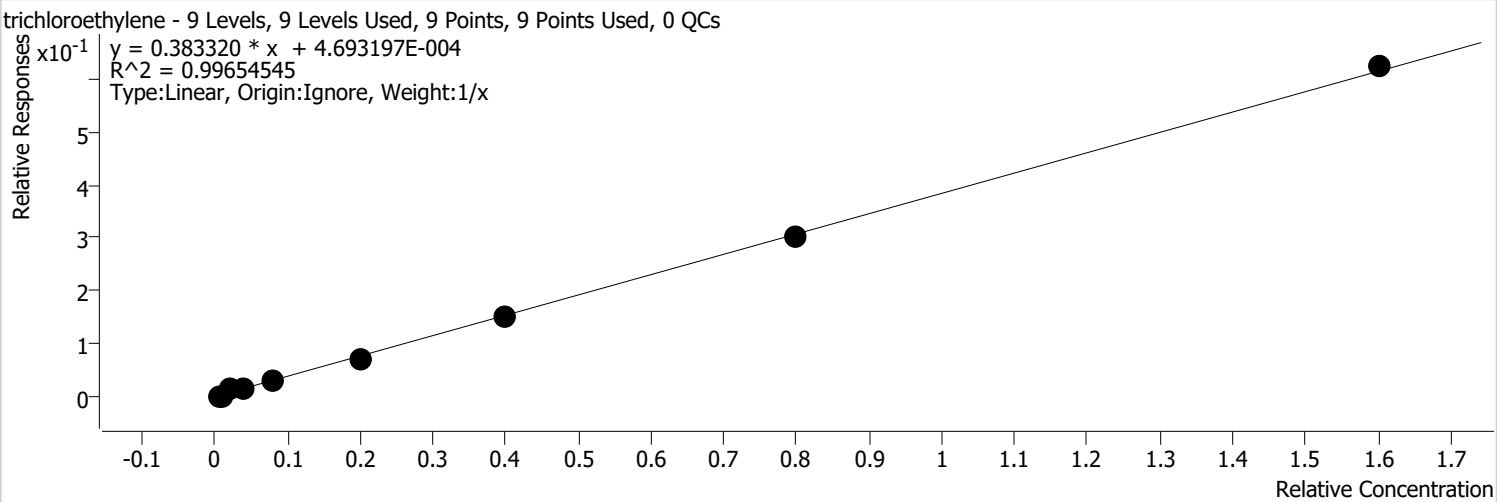
tert-Amyl Methyl Ether %RSE = 12.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	5872	0.1000	0.5898	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	11642	0.2000	0.6078	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	40350	0.5000	0.8553	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	71084	1.0000	0.7164	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	158462	2.0000	0.7914	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	356038	5.0000	0.7097	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	790935	10.0000	0.7822	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	1773692	20.0000	0.8255	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	3794084	40.0000	0.8804	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

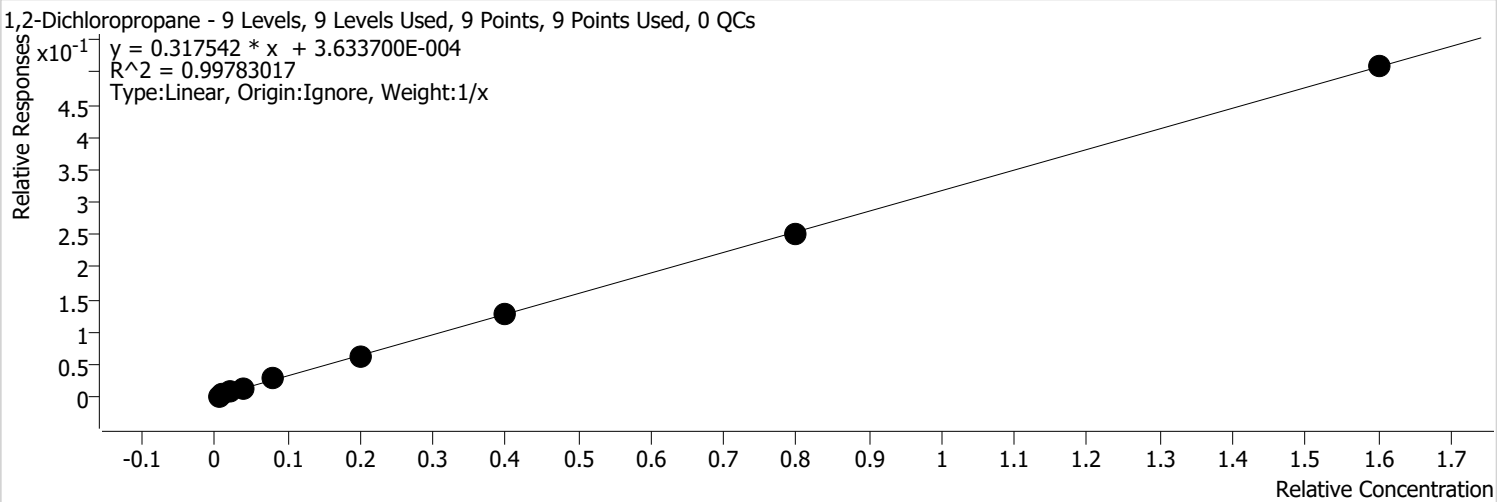
trichloroethylene %RSE = 28.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	4478	0.1000	0.4498	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	5211	0.2000	0.2720	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	30022	0.5000	0.6364	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	39843	1.0000	0.4016	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	80865	2.0000	0.4038	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	182640	5.0000	0.3640	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	383030	10.0000	0.3788	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	807717	20.0000	0.3759	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1676161	40.0000	0.3890	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

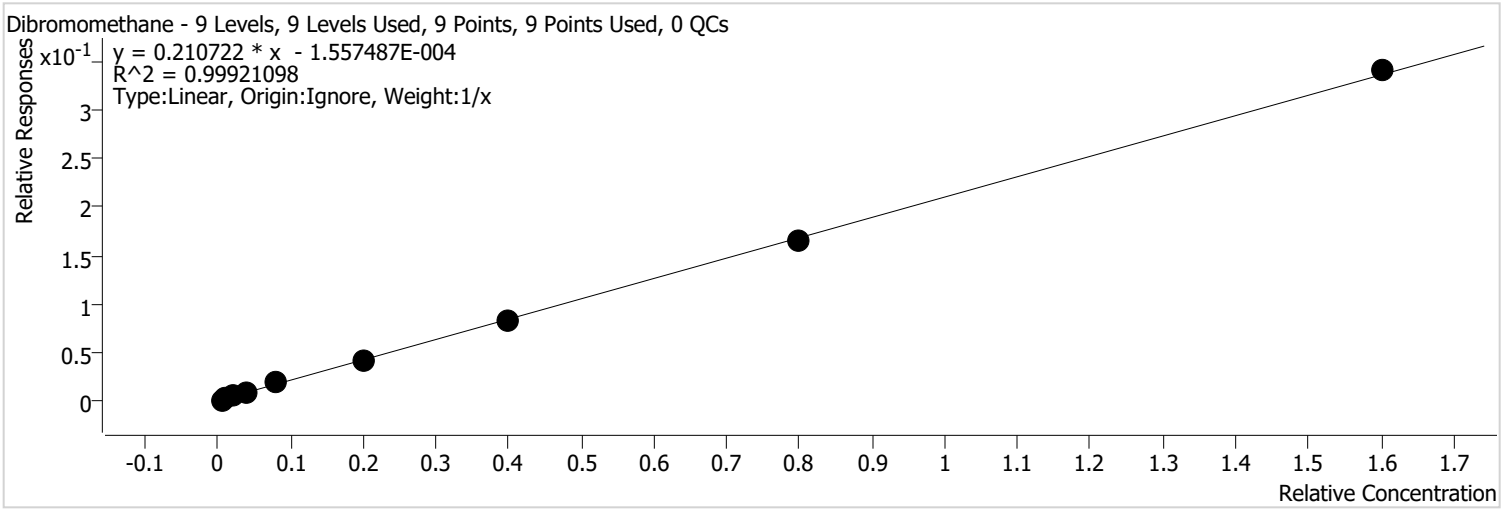
1,2-Dichloropropane %RSE = 23.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	3375	0.1000	0.3390	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	4968	0.2000	0.2594	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	23170	0.5000	0.4912	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	33321	1.0000	0.3358	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	68376	2.0000	0.3415	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	155500	5.0000	0.3100	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	324084	10.0000	0.3205	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	674876	20.0000	0.3141	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1370135	40.0000	0.3179	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

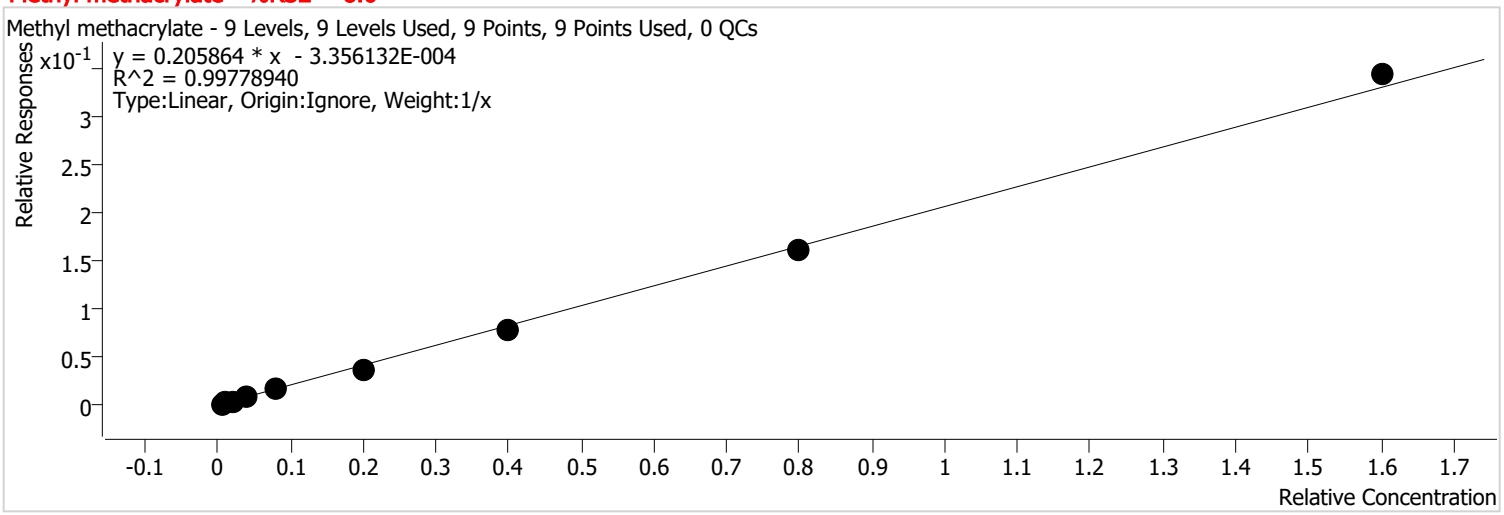
Dibromomethane %RSE = 10.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	1390	0.1000	0.1396	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	3279	0.2000	0.1712	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	11647	0.5000	0.2469	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	21260	1.0000	0.2143	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	44547	2.0000	0.2225	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	101333	5.0000	0.2020	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	209089	10.0000	0.2068	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	443861	20.0000	0.2066	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	918979	40.0000	0.2132	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

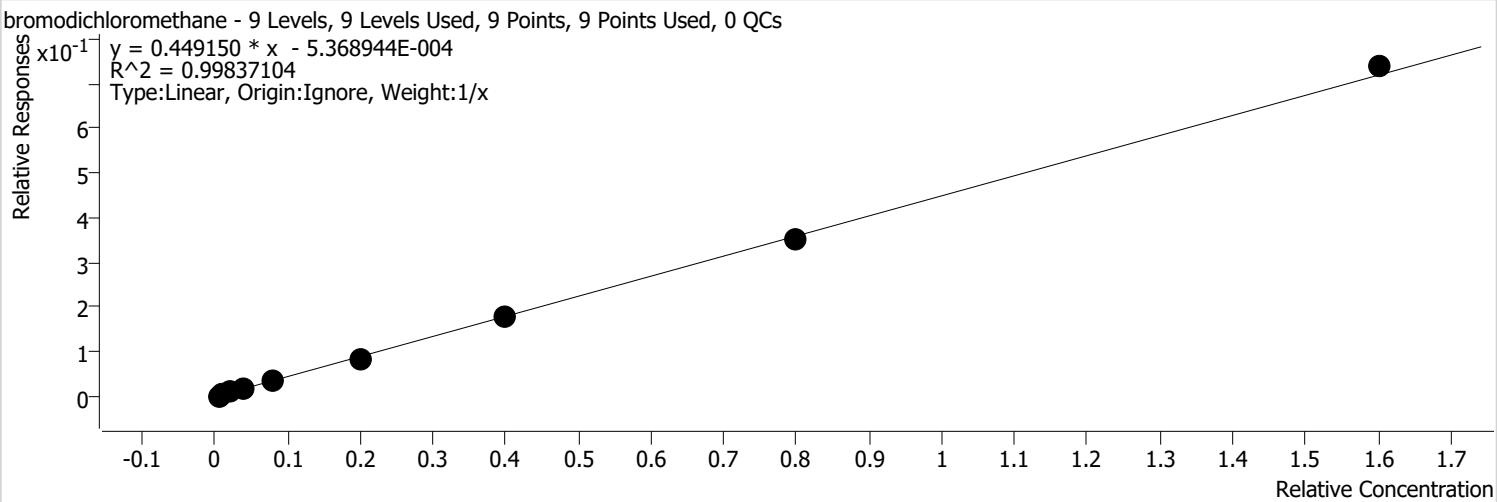
Methyl methacrylate %RSE = 8.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	1563	0.1000	0.1570	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	3359	0.2000	0.1754	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	8849	0.5000	0.1876	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	19170	1.0000	0.1932	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	37883	2.0000	0.1892	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	92107	5.0000	0.1836	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	195650	10.0000	0.1935	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	432218	20.0000	0.2011	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	921634	40.0000	0.2139	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

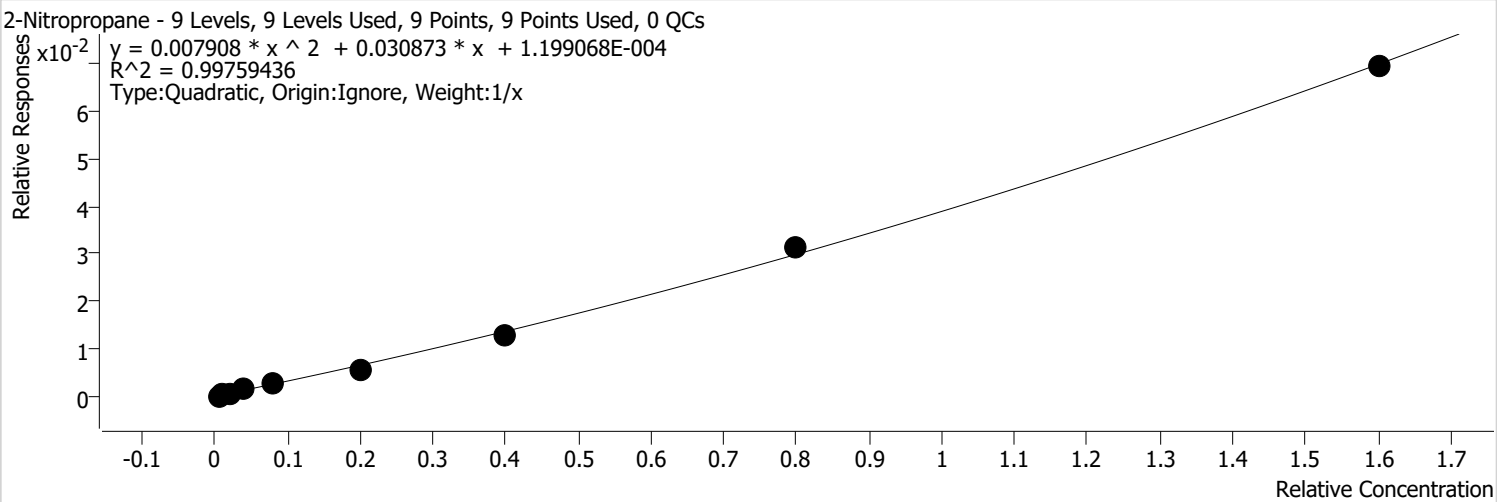
bromodichloromethane %RSE = 12.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	3377	0.1000	0.3392	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	6020	0.2000	0.3143	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	25433	0.5000	0.5391	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	42673	1.0000	0.4301	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	84153	2.0000	0.4203	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	204197	5.0000	0.4070	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	444073	10.0000	0.4392	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	944009	20.0000	0.4393	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1984697	40.0000	0.4605	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

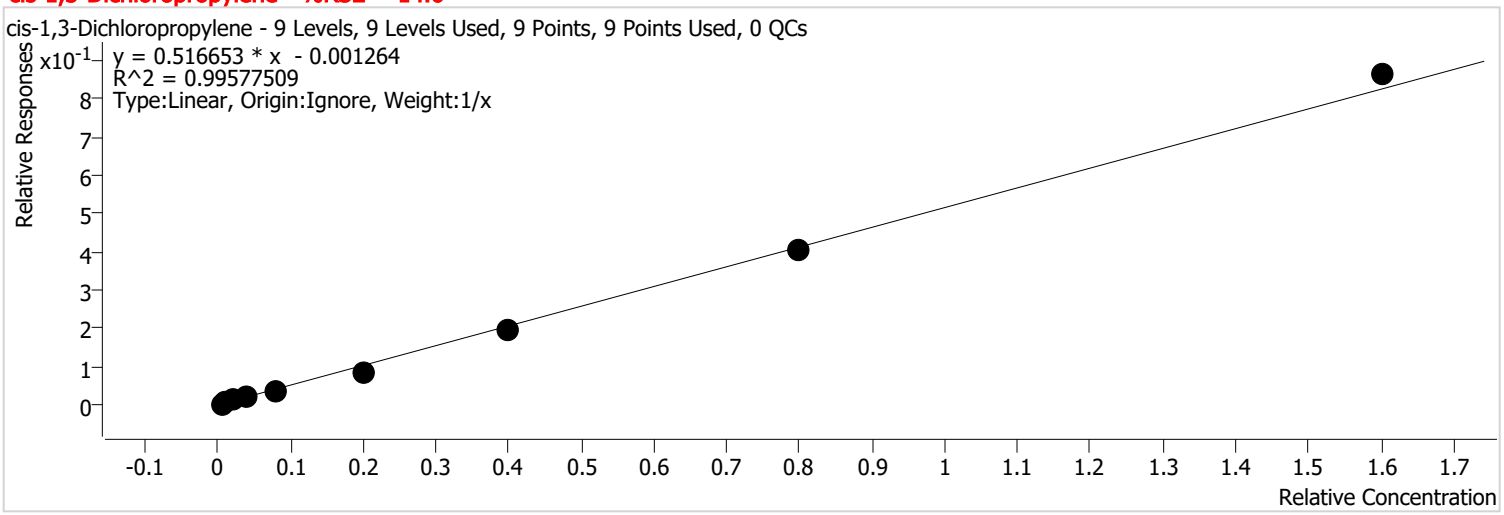
2-Nitropropane %RSE = 23.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	463	0.1000	0.0465	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	989	0.2000	0.0517	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	1978	0.5000	0.0419	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	4028	1.0000	0.0406	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	6938	2.0000	0.0346	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	14381	5.0000	0.0287	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	33126	10.0000	0.0328	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	84451	20.0000	0.0393	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	186474	40.0000	0.0433	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

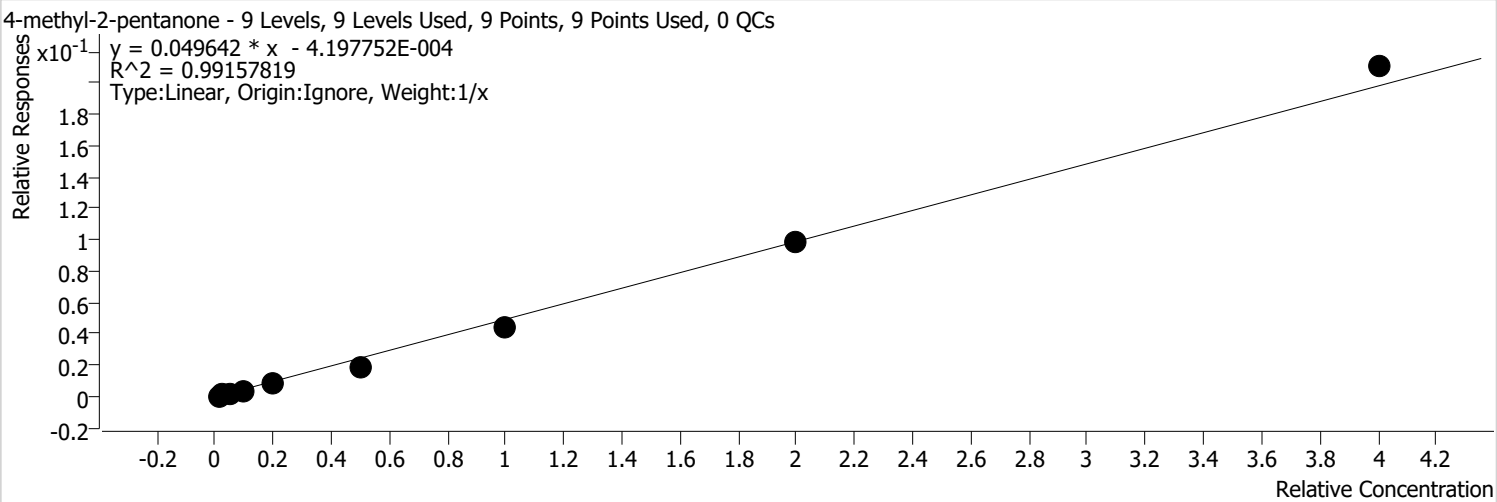
cis-1,3-Dichloropropylene %RSE = 14.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	3241	0.1000	0.3256	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	6101	0.2000	0.3185	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	25902	0.5000	0.5491	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	45180	1.0000	0.4553	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	90280	2.0000	0.4509	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	209203	5.0000	0.4170	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	496586	10.0000	0.4911	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	1088438	20.0000	0.5065	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	2324191	40.0000	0.5393	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

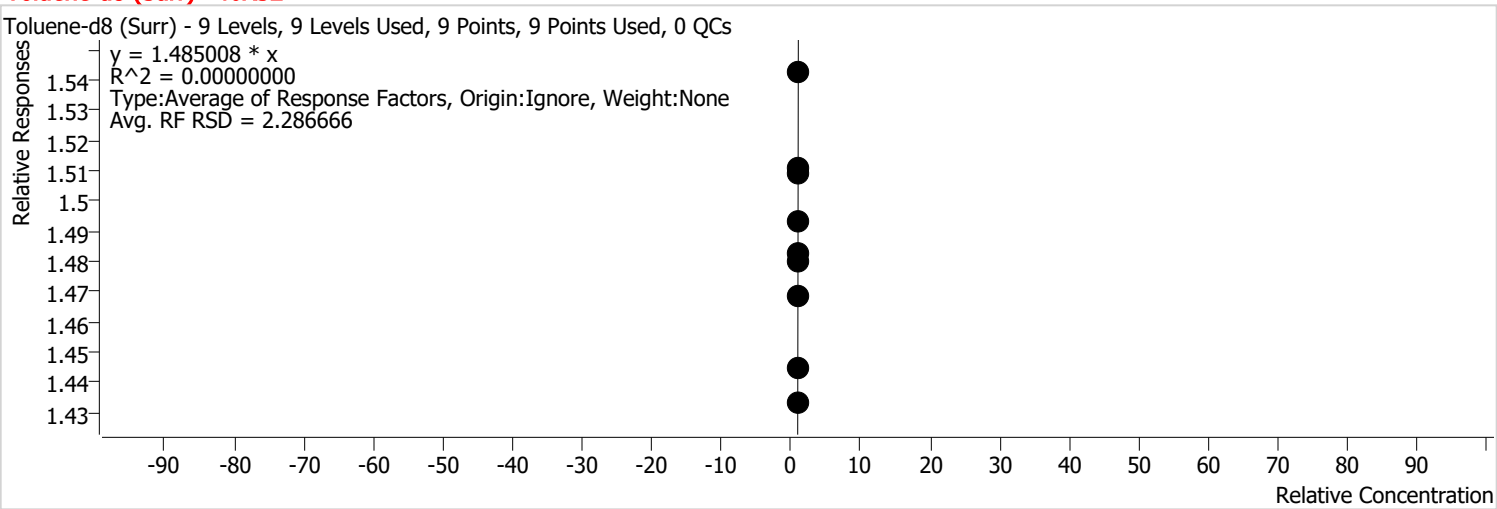
4-methyl-2-pentanone %RSE = 23.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	808	0.2500	0.0324	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	1609	0.5000	0.0336	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	4666	1.2500	0.0396	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	9608	2.5000	0.0387	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	19862	5.0000	0.0397	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	45982	12.5000	0.0367	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	112820	25.0000	0.0446	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	266645	50.0000	0.0496	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	566641	100.0000	0.0526	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

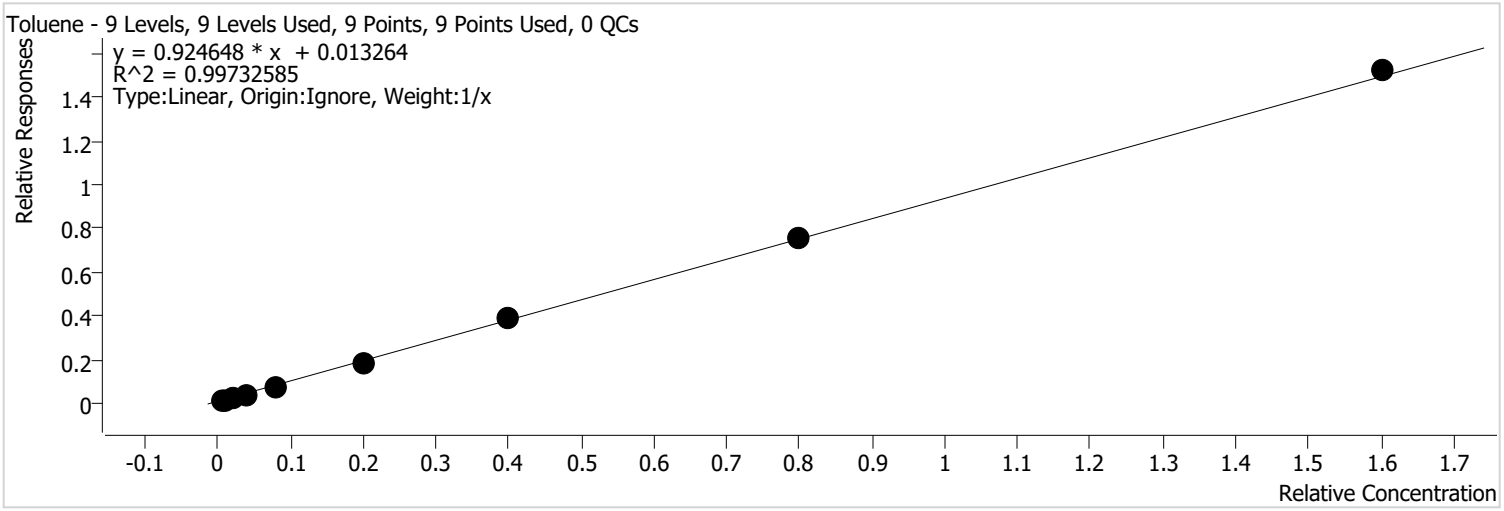
Toluene-d8 (Surr) %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092310.D	Calibration	9	x	4065066	25.0000	1.5093	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	3973955	25.0000	1.4795	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	3819112	25.0000	1.5108	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	3595590	25.0000	1.4334	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	3738394	25.0000	1.4936	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	3678683	25.0000	1.4830	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	3463539	25.0000	1.4684	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	3692881	25.0000	1.5424	
D:\GC-19\Data\092321\092302.D	Calibration	1	x	3595576	25.0000	1.4447	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

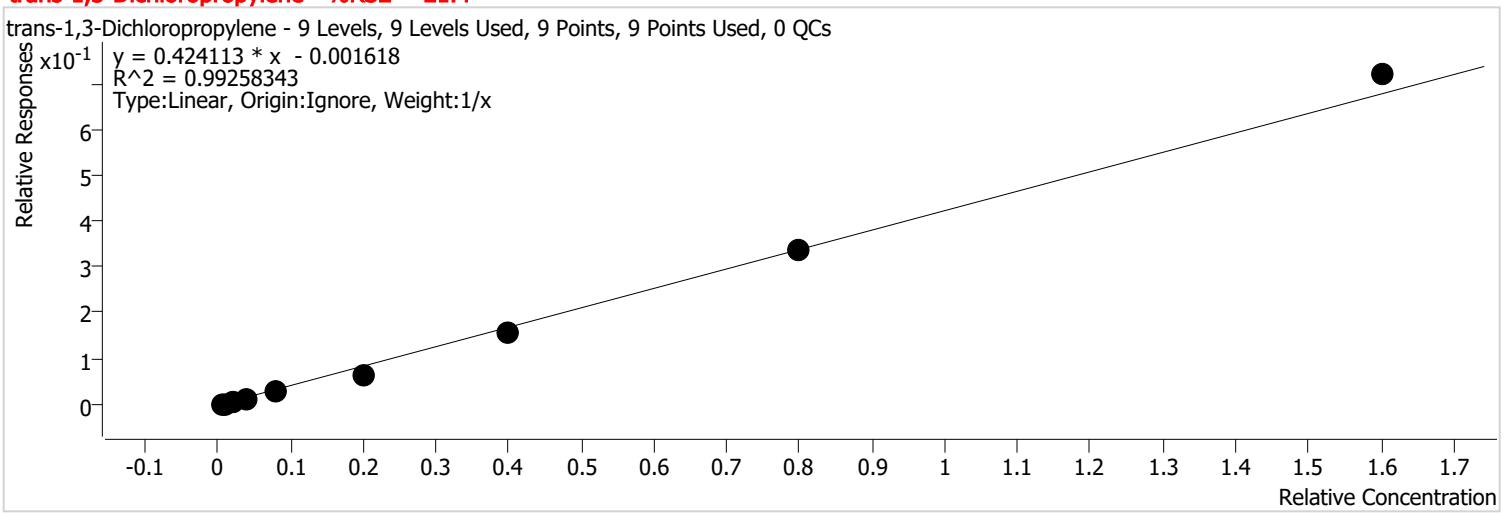
Toluene %RSE = 27.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	48135	0.1000	4.8350	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	46926	0.2000	2.4500	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	72111	0.5000	1.5286	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	99298	1.0000	1.0008	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	198933	2.0000	0.9935	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	456082	5.0000	0.9091	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	979773	10.0000	0.9690	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	2030975	20.0000	0.9452	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	4092054	40.0000	0.9496	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

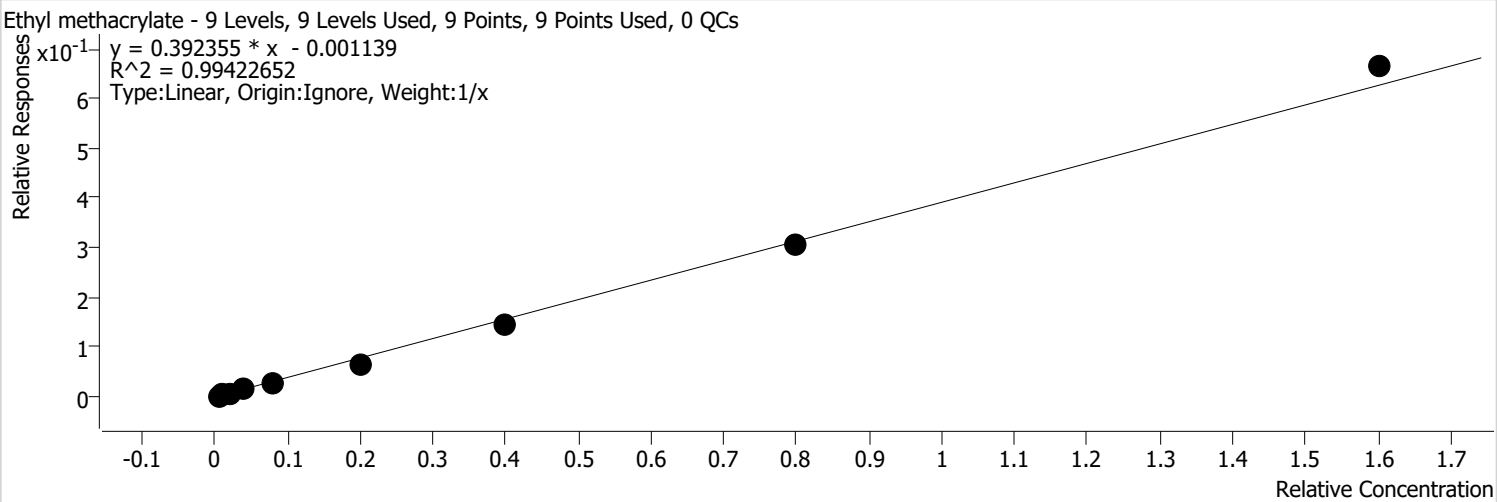
trans-1,3-Dichloropropylene %RSE = 21.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	2145	0.1000	0.2154	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	4237	0.2000	0.2212	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	17625	0.5000	0.3736	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	33414	1.0000	0.3368	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	66187	2.0000	0.3305	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	161892	5.0000	0.3227	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	390072	10.0000	0.3858	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	898812	20.0000	0.4183	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1935863	40.0000	0.4492	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

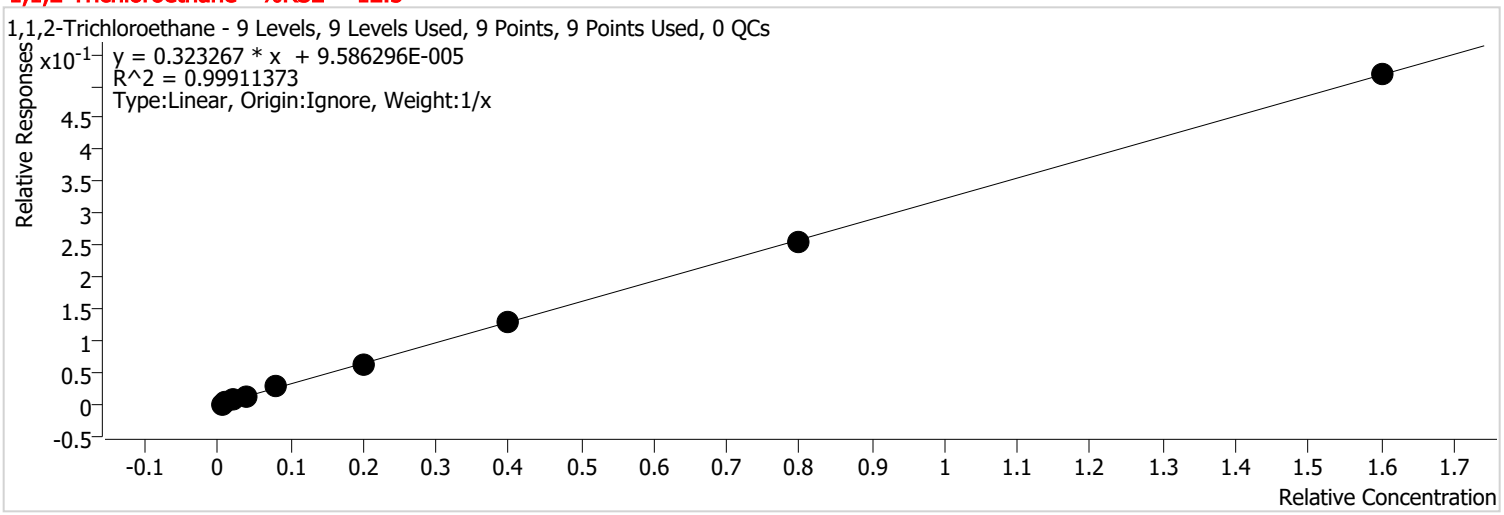
Ethyl methacrylate %RSE = 16.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	2492	0.1000	0.2503	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	5230	0.2000	0.2731	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	15688	0.5000	0.3326	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	31863	1.0000	0.3211	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	69833	2.0000	0.3487	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	155561	5.0000	0.3101	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	365698	10.0000	0.3617	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	819374	20.0000	0.3813	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1788778	40.0000	0.4151	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

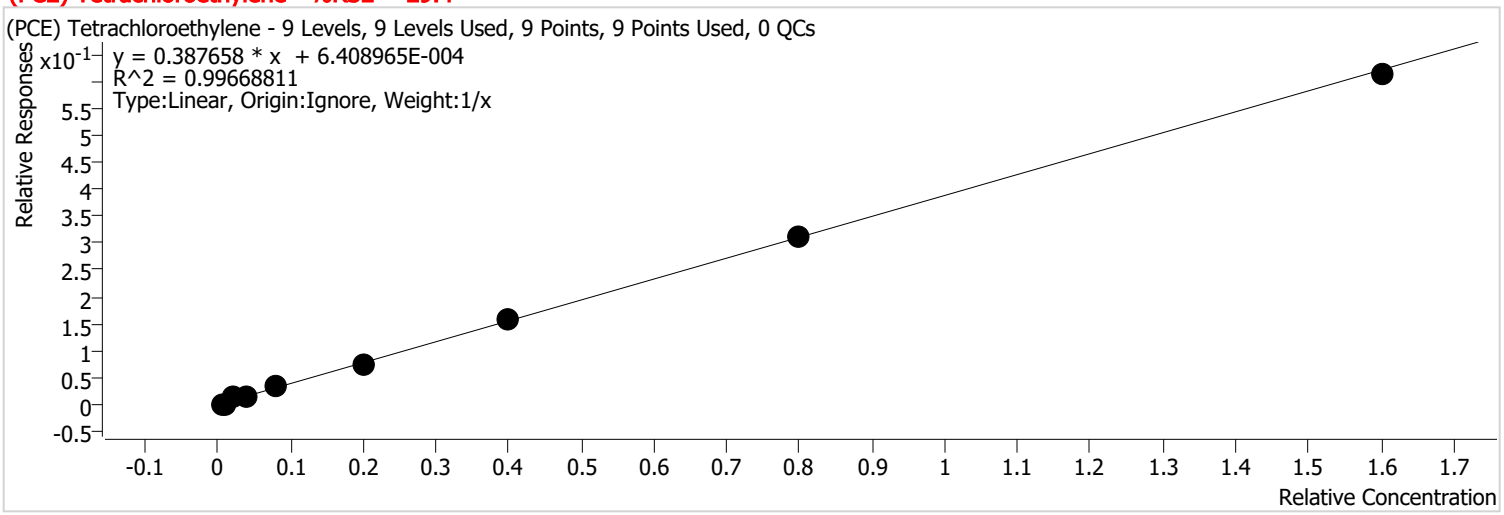
1,1,2-Trichloroethane %RSE = 12.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	2884	0.1000	0.2897	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	5535	0.2000	0.2890	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	18603	0.5000	0.3943	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	34695	1.0000	0.3497	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	70481	2.0000	0.3520	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	154527	5.0000	0.3080	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	332720	10.0000	0.3290	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	686349	20.0000	0.3194	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1393943	40.0000	0.3235	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

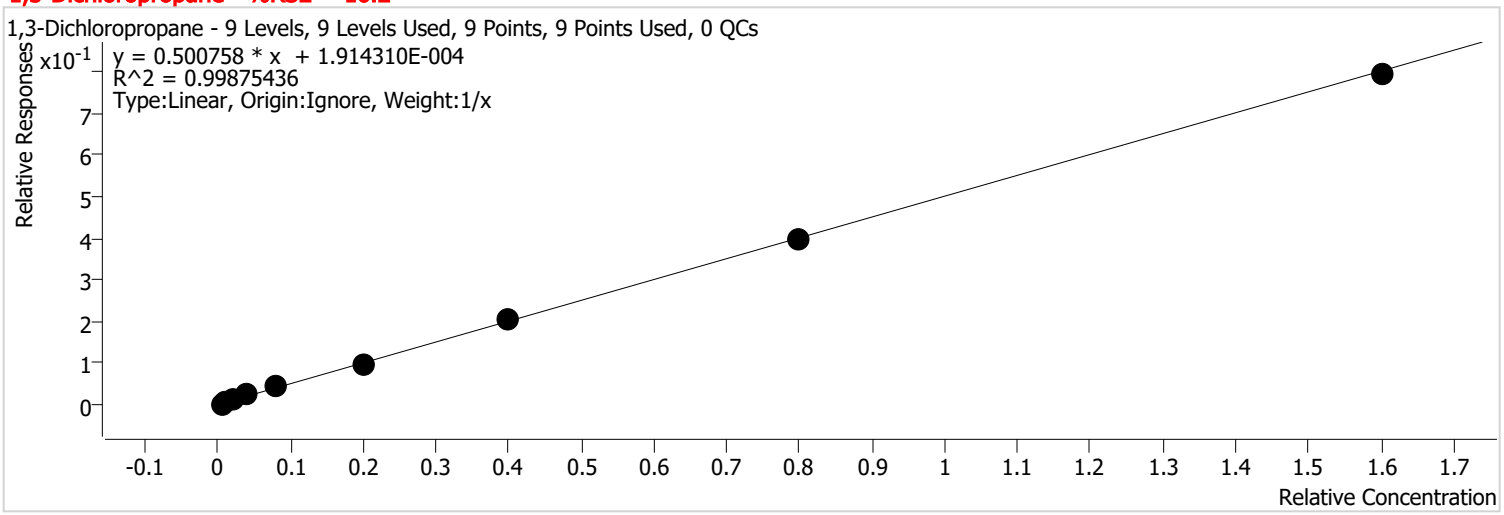
(PCE) Tetrachloroethylene %RSE = 29.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	4418	0.1000	0.4438	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	5672	0.2000	0.2961	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	30190	0.5000	0.6400	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	43237	1.0000	0.4358	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	85755	2.0000	0.4283	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	189393	5.0000	0.3775	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	400156	10.0000	0.3957	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	841806	20.0000	0.3918	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1647877	40.0000	0.3824	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

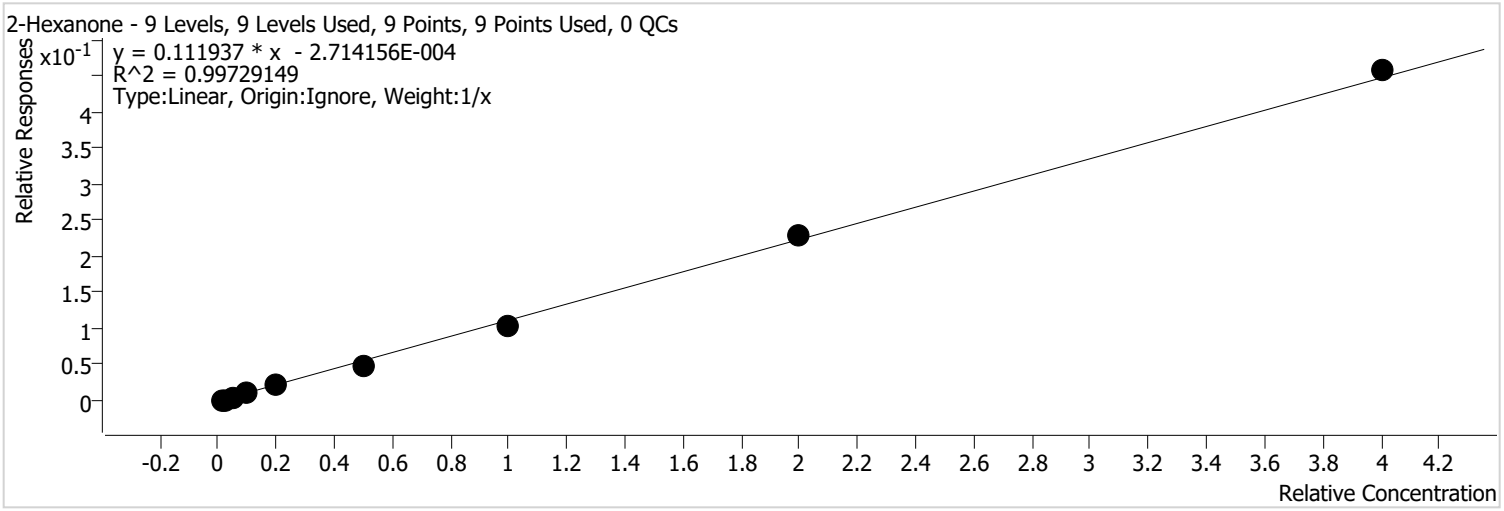
1,3-Dichloropropane %RSE = 16.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	4581	0.1000	0.4601	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	7565	0.2000	0.3950	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	30075	0.5000	0.6375	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	55241	1.0000	0.5567	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	109765	2.0000	0.5482	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	245136	5.0000	0.4886	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	521833	10.0000	0.5161	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	1073838	20.0000	0.4998	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	2133937	40.0000	0.4952	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

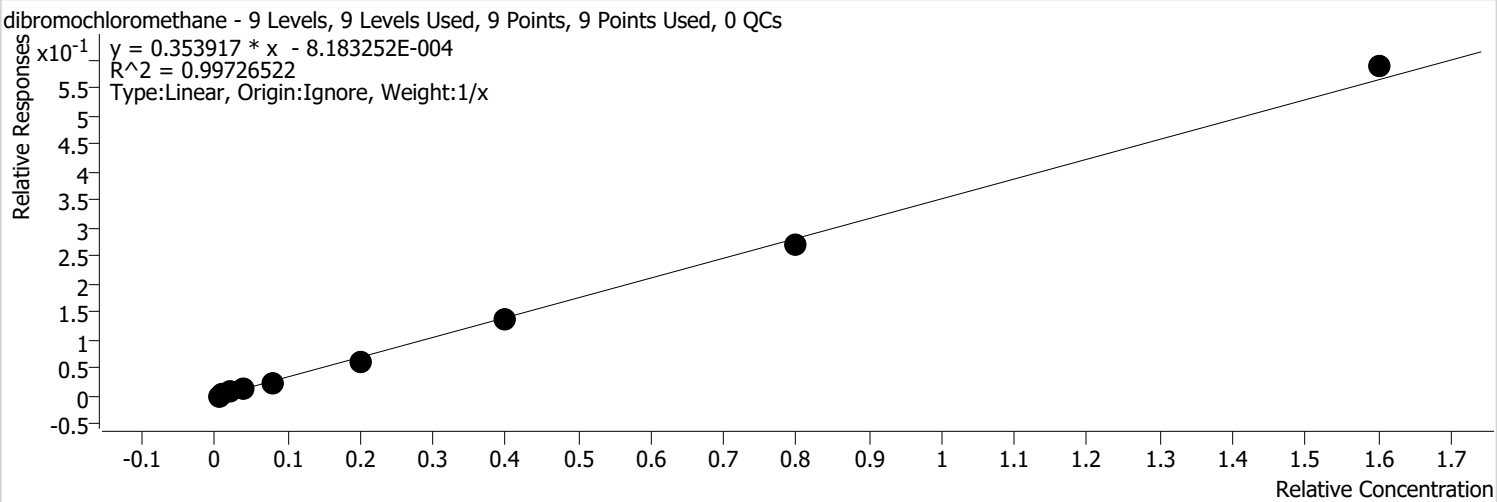
2-Hexanone %RSE = 16.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	3145	0.2500	0.1264	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	4288	0.5000	0.0895	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	12310	1.2500	0.1044	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	24339	2.5000	0.0981	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	54067	5.0000	0.1080	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	120554	12.5000	0.0961	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	263244	25.0000	0.1041	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	618867	50.0000	0.1152	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1231773	100.0000	0.1143	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

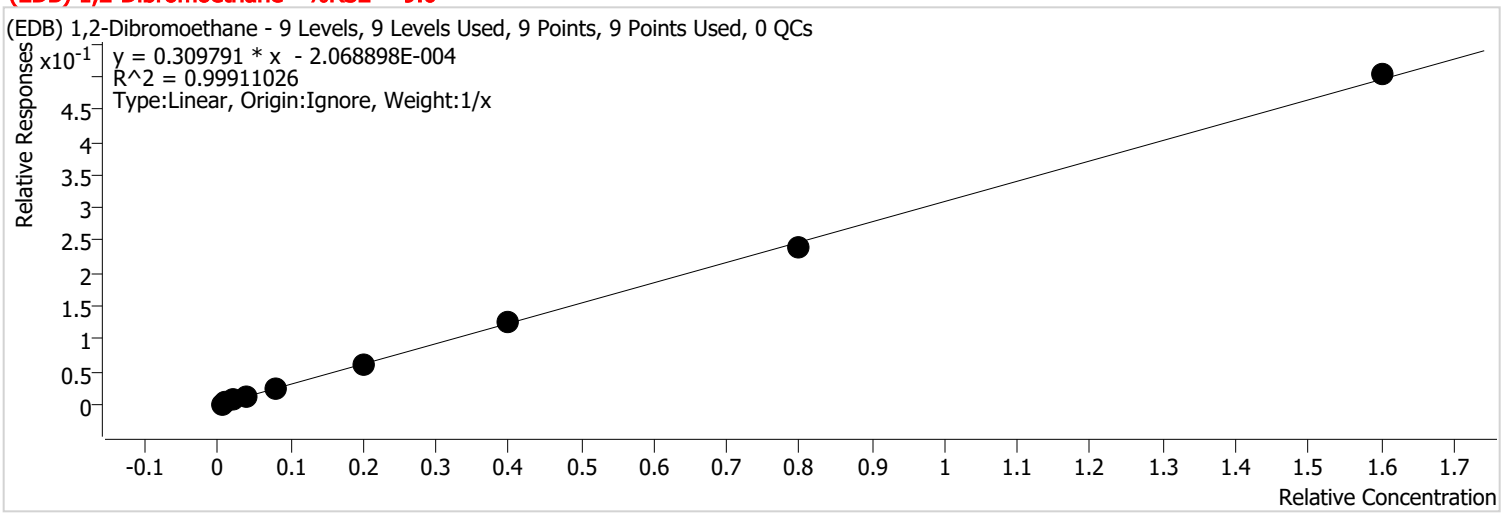
dibromochloromethane %RSE = 12.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	2334	0.1000	0.2345	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	4455	0.2000	0.2326	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	16397	0.5000	0.3476	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	30769	1.0000	0.3101	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	63151	2.0000	0.3154	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	152632	5.0000	0.3042	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	349460	10.0000	0.3456	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	733057	20.0000	0.3412	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1585827	40.0000	0.3680	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

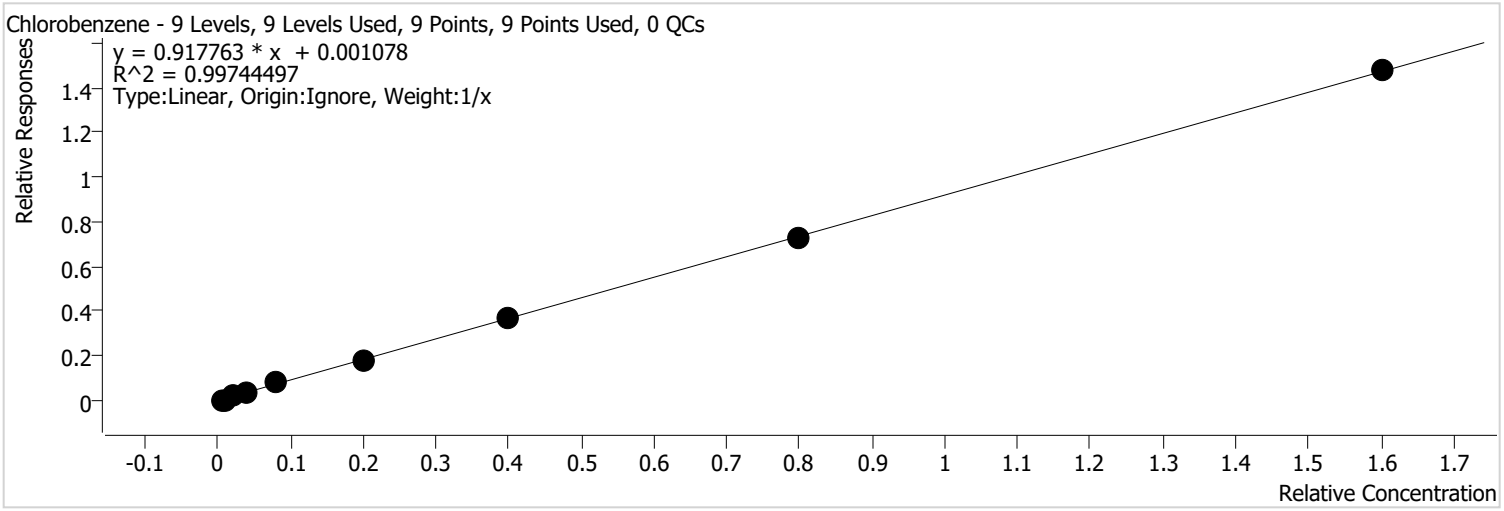
(EDB) 1,2-Dibromoethane %RSE = 9.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	2482	0.1000	0.2493	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	4508	0.2000	0.2354	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	16379	0.5000	0.3472	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	31494	1.0000	0.3174	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	63908	2.0000	0.3192	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	147643	5.0000	0.2943	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	318027	10.0000	0.3145	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	642673	20.0000	0.2991	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1353718	40.0000	0.3141	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

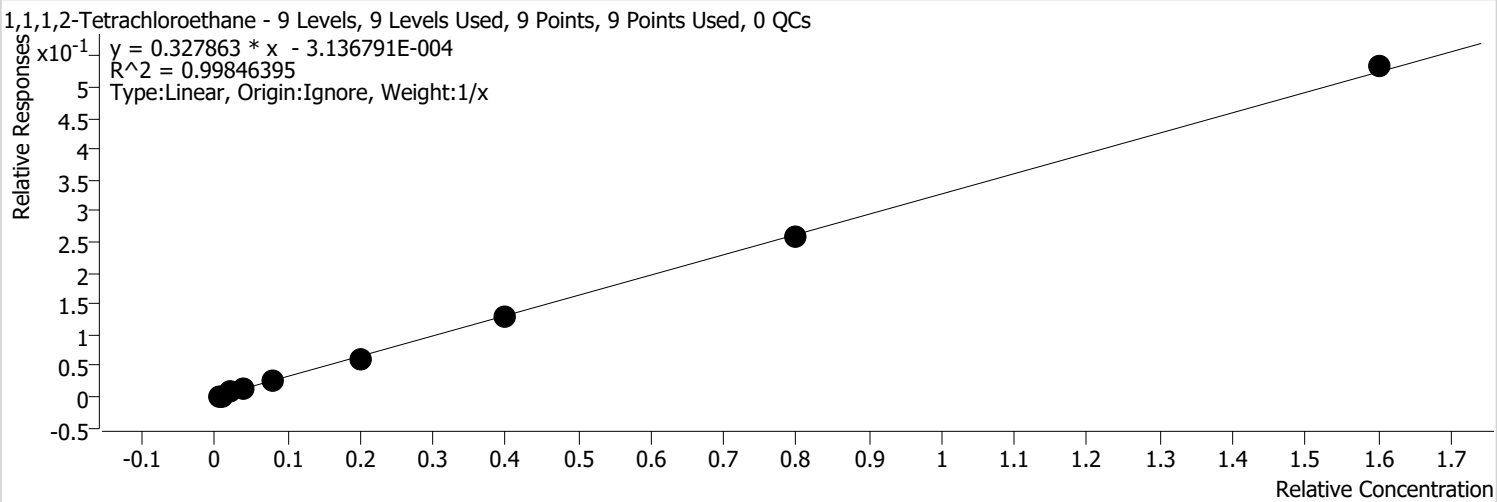
Chlorobenzene %RSE = 25.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	11722	0.1000	1.0185	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	16243	0.2000	0.6961	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	79851	0.5000	1.4422	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	114933	1.0000	1.0074	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	230767	2.0000	0.9794	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	525036	5.0000	0.8741	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	1112256	10.0000	0.9175	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	2171967	20.0000	0.9125	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	4745301	40.0000	0.9210	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

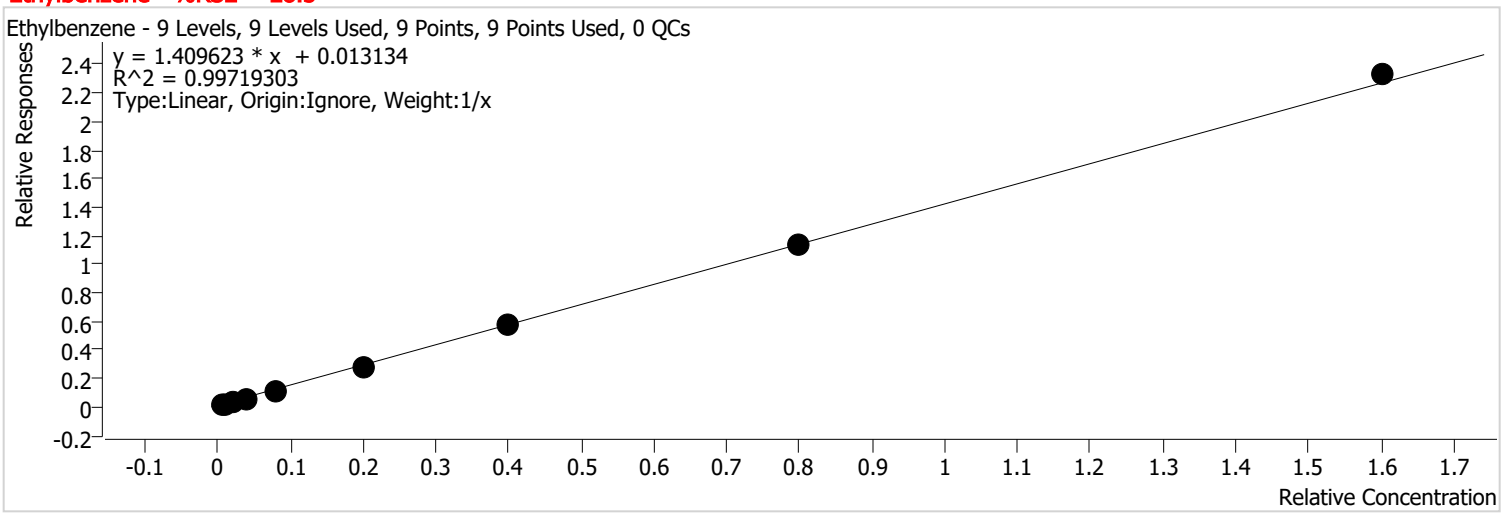
1,1,1,2-Tetrachloroethane %RSE = 15.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	3192	0.1000	0.2773	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	4910	0.2000	0.2104	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	22504	0.5000	0.4064	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	36117	1.0000	0.3166	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	74089	2.0000	0.3144	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	176862	5.0000	0.2944	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	393906	10.0000	0.3249	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	773939	20.0000	0.3252	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1716050	40.0000	0.3330	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

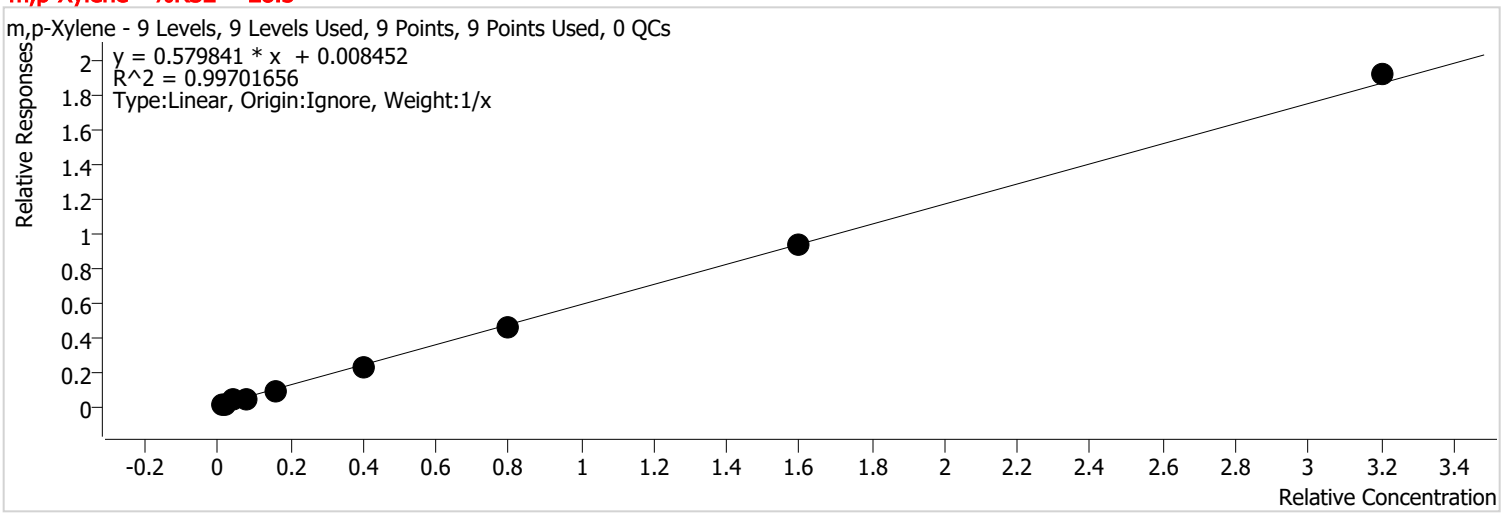
Ethylbenzene %RSE = 28.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	64449	0.1000	5.5994	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	63157	0.2000	2.7066	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	117930	0.5000	2.1299	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	158059	1.0000	1.3854	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	330677	2.0000	1.4034	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	814938	5.0000	1.3567	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	1727345	10.0000	1.4248	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	3388774	20.0000	1.4238	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	7492866	40.0000	1.4542	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

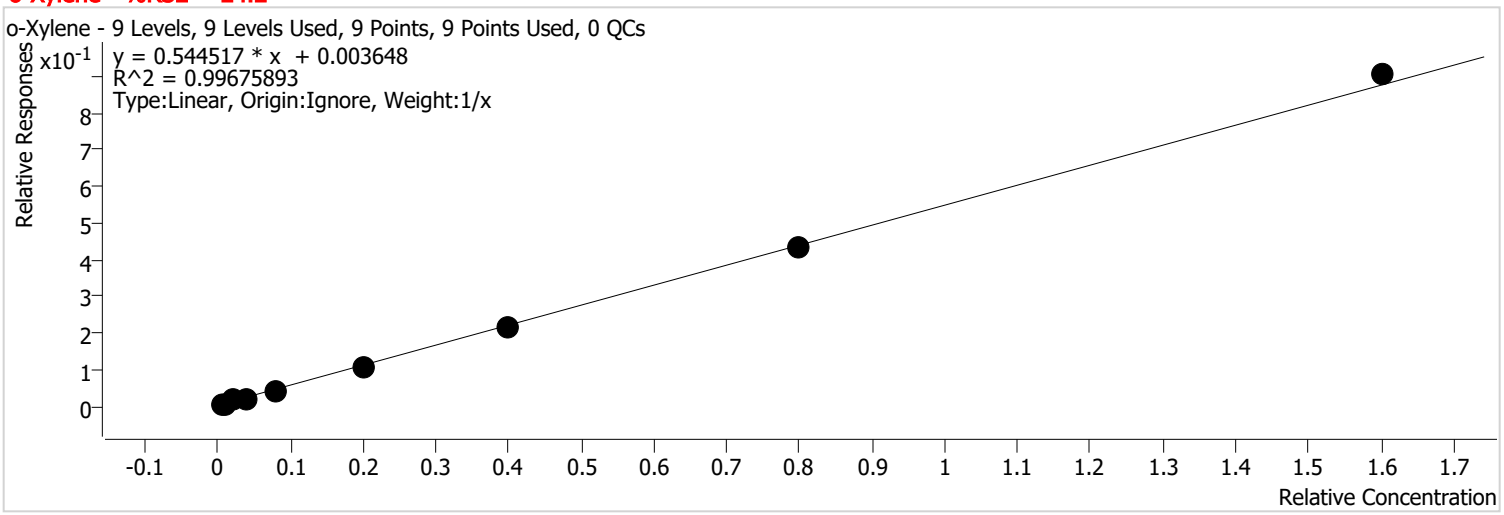
m,p-Xylene %RSE = 28.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	45657	0.2000	1.9834	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	43329	0.4000	0.9284	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	97621	1.0000	0.8816	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	125231	2.0000	0.5488	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	261698	4.0000	0.5553	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	665856	10.0000	0.5543	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	1403862	20.0000	0.5790	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	2780273	40.0000	0.5841	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	6161361	80.0000	0.5979	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

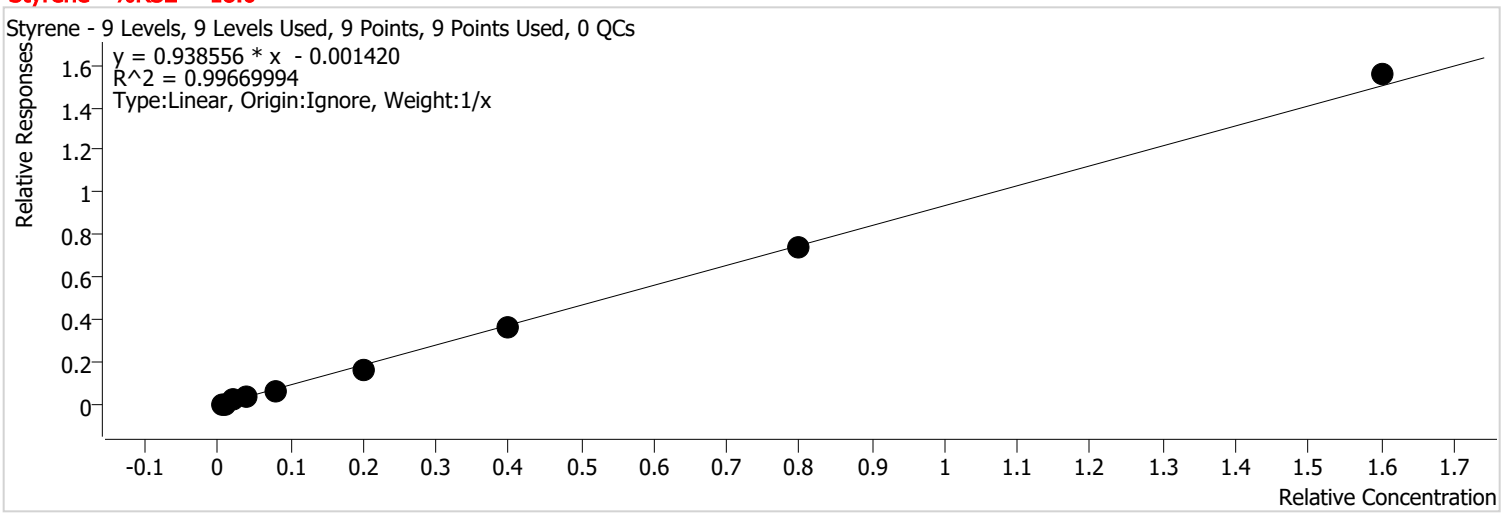
o-Xylene %RSE = 24.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	20016	0.1000	1.7390	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	21475	0.2000	0.9203	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	44208	0.5000	0.7984	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	57020	1.0000	0.4998	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	115755	2.0000	0.4913	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	316080	5.0000	0.5262	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	651283	10.0000	0.5372	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	1298476	20.0000	0.5456	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	2908006	40.0000	0.5644	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

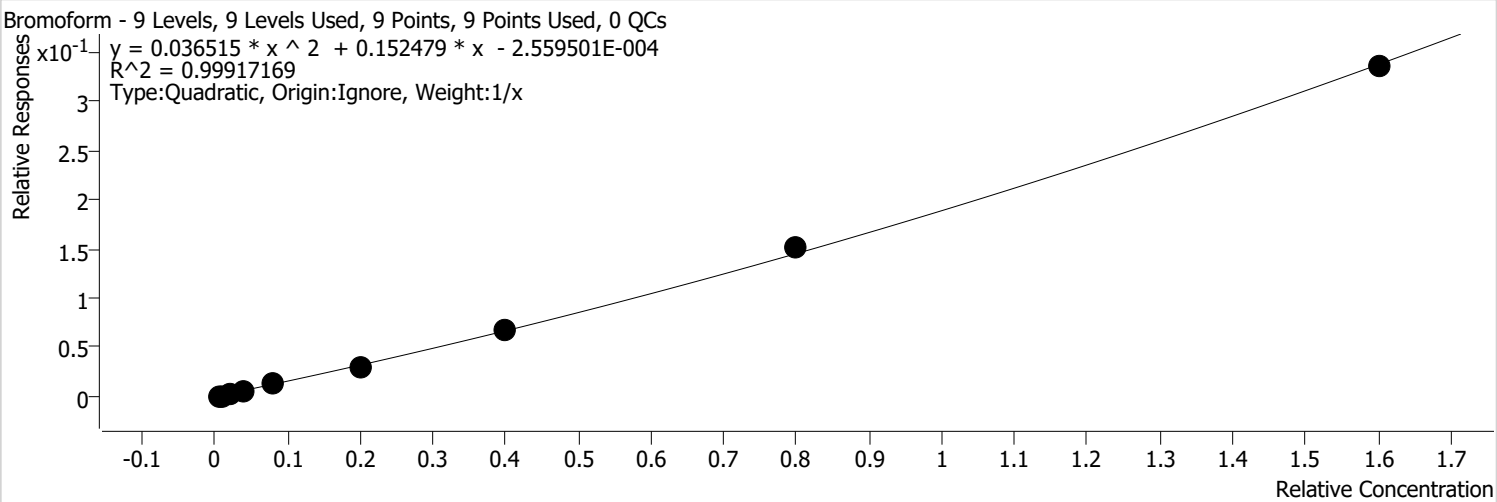
Styrene %RSE = 18.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	8980	0.1000	0.7802	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	13717	0.2000	0.5878	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	65034	0.5000	1.1746	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	92304	1.0000	0.8091	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	192243	2.0000	0.8159	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	486812	5.0000	0.8104	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	1095156	10.0000	0.9033	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	2202024	20.0000	0.9252	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	5001355	40.0000	0.9706	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

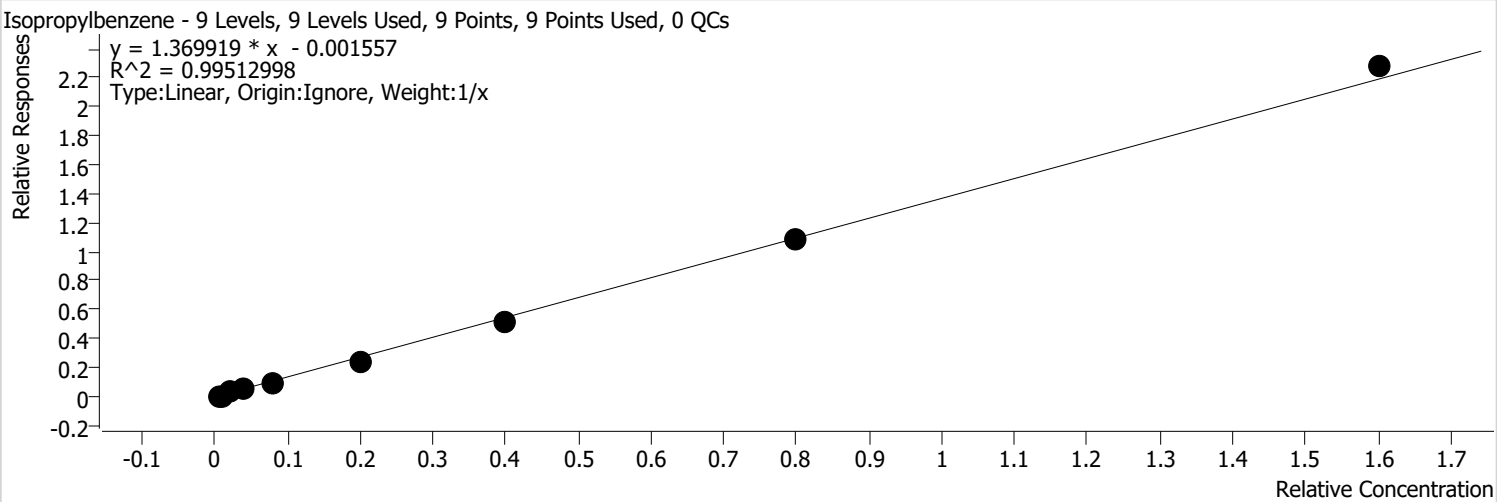
Bromoform %RSE = 8.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	1234	0.1000	0.1072	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	2380	0.2000	0.1020	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	8450	0.5000	0.1526	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	16861	1.0000	0.1478	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	35374	2.0000	0.1501	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	85906	5.0000	0.1430	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	202011	10.0000	0.1666	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	447378	20.0000	0.1880	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1078584	40.0000	0.2093	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

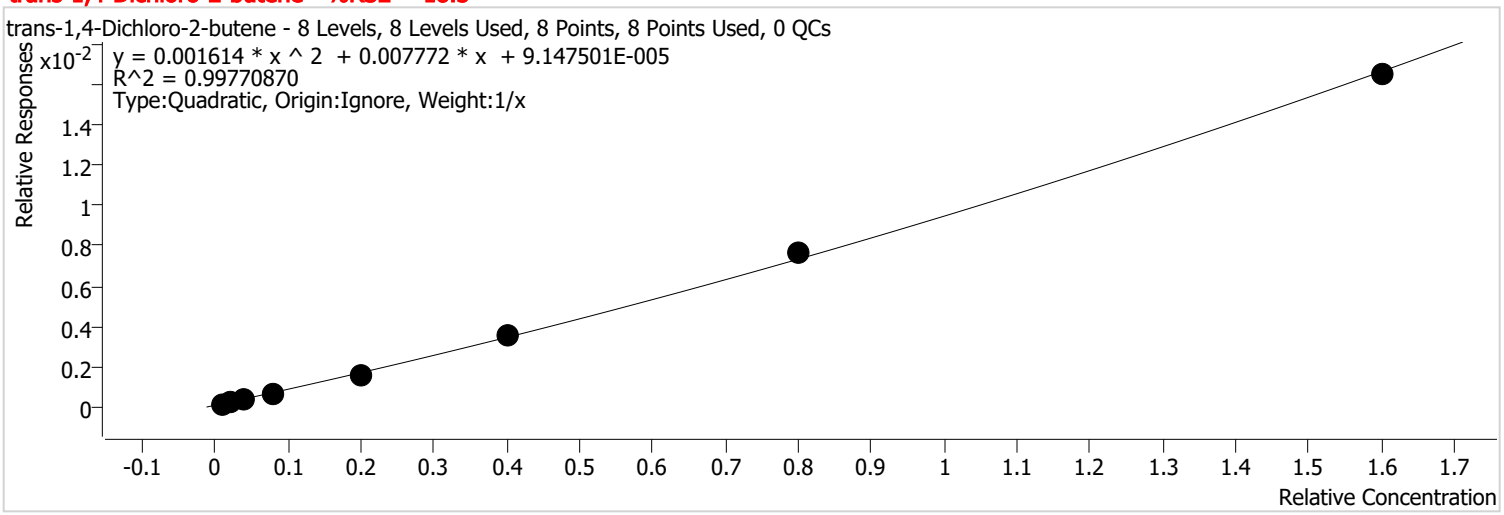
Isopropylbenzene %RSE = 23.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	13851	0.1000	1.2034	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	18668	0.2000	0.8000	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	108022	0.5000	1.9510	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	138047	1.0000	1.2100	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	282362	2.0000	1.1983	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	697052	5.0000	1.1604	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	1569648	10.0000	1.2947	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	3223081	20.0000	1.3542	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	7330057	40.0000	1.4226	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

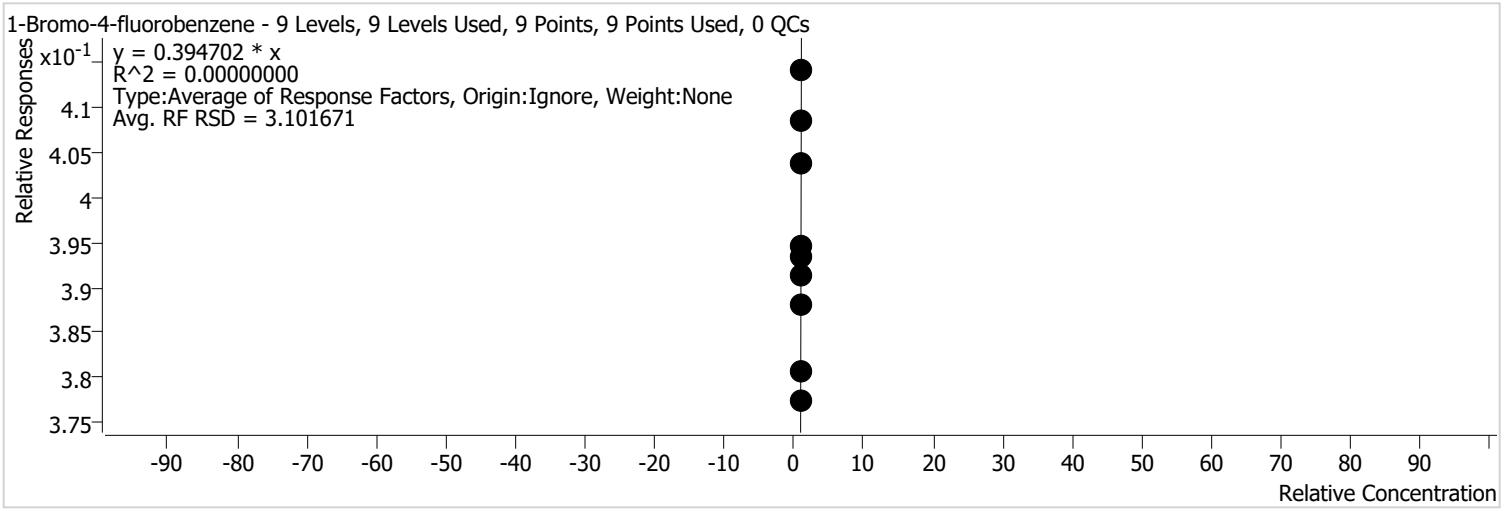
trans-1,4-Dichloro-2-butene %RSE = 18.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092303.D	Calibration	2	x	476	0.2000	0.0204	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	795	0.5000	0.0144	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	963	1.0000	0.0084	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	1795	2.0000	0.0076	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	4752	5.0000	0.0079	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	10819	10.0000	0.0089	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	22761	20.0000	0.0096	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	53132	40.0000	0.0103	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

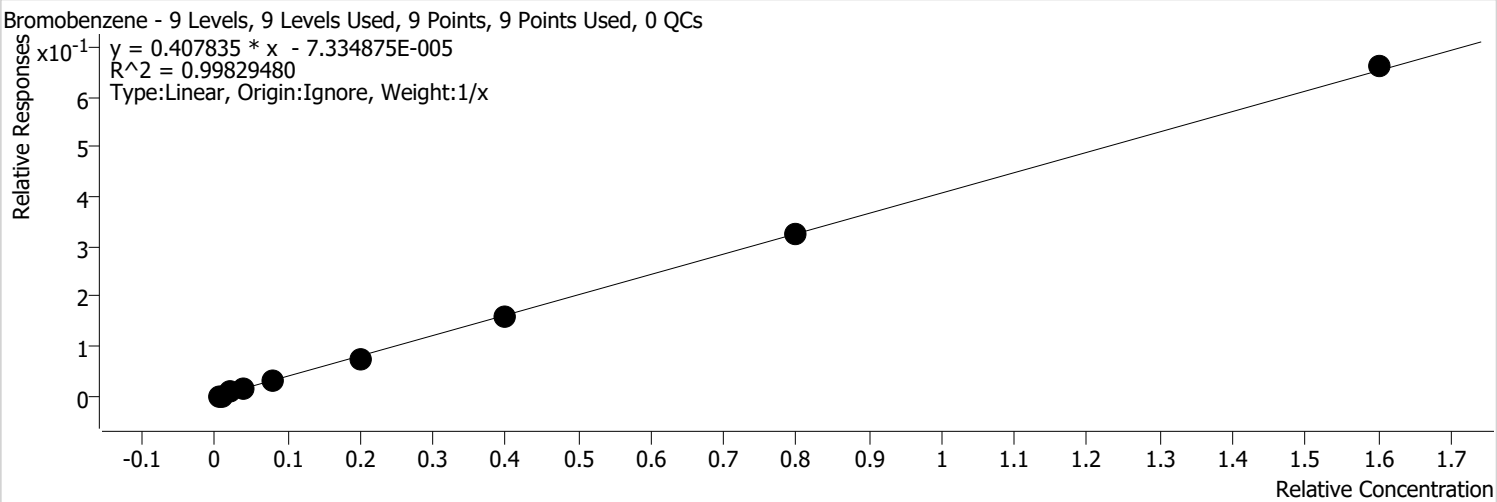
1-Bromo-4-fluorobenzene %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1333575	25.0000	0.4141	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	1215750	25.0000	0.4086	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	1223600	25.0000	0.4037	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	1181201	25.0000	0.3933	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	1143247	25.0000	0.3881	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	1125952	25.0000	0.3948	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	1083644	25.0000	0.3914	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	1110438	25.0000	0.3807	
D:\GC-19\Data\092321\092302.D	Calibration	1	x	1086288	25.0000	0.3775	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

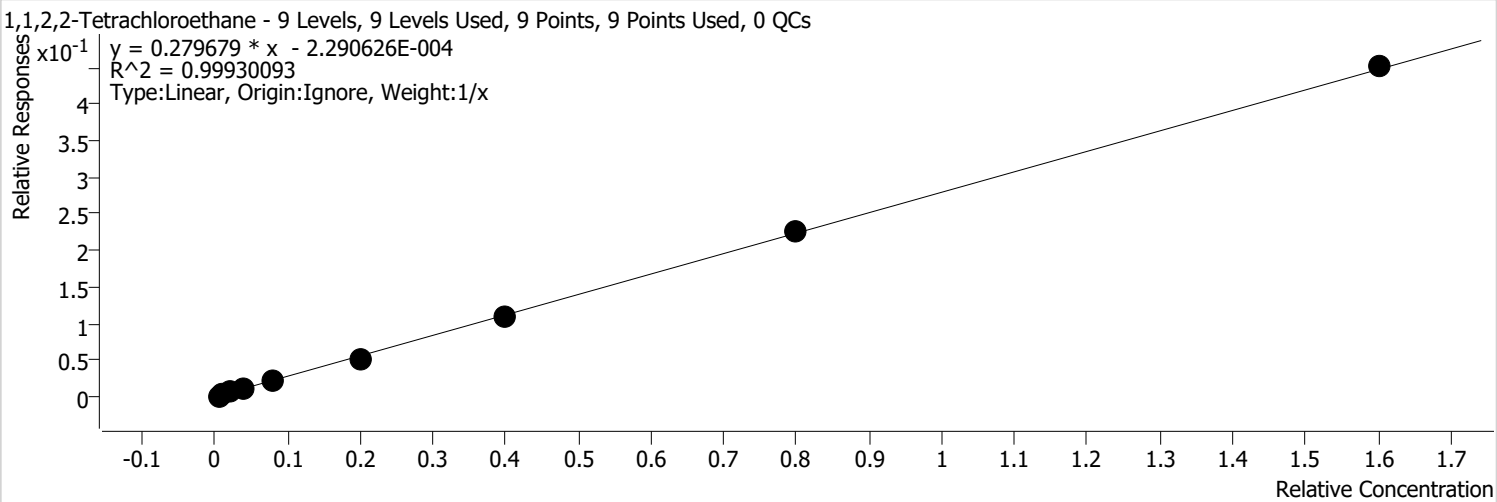
Bromobenzene %RSE = 17.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	4109	0.1000	0.3570	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	6742	0.2000	0.2889	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	30090	0.5000	0.5435	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	50033	1.0000	0.4386	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	98132	2.0000	0.4165	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	223520	5.0000	0.3721	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	486990	10.0000	0.4017	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	963896	20.0000	0.4050	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	2126358	40.0000	0.4127	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

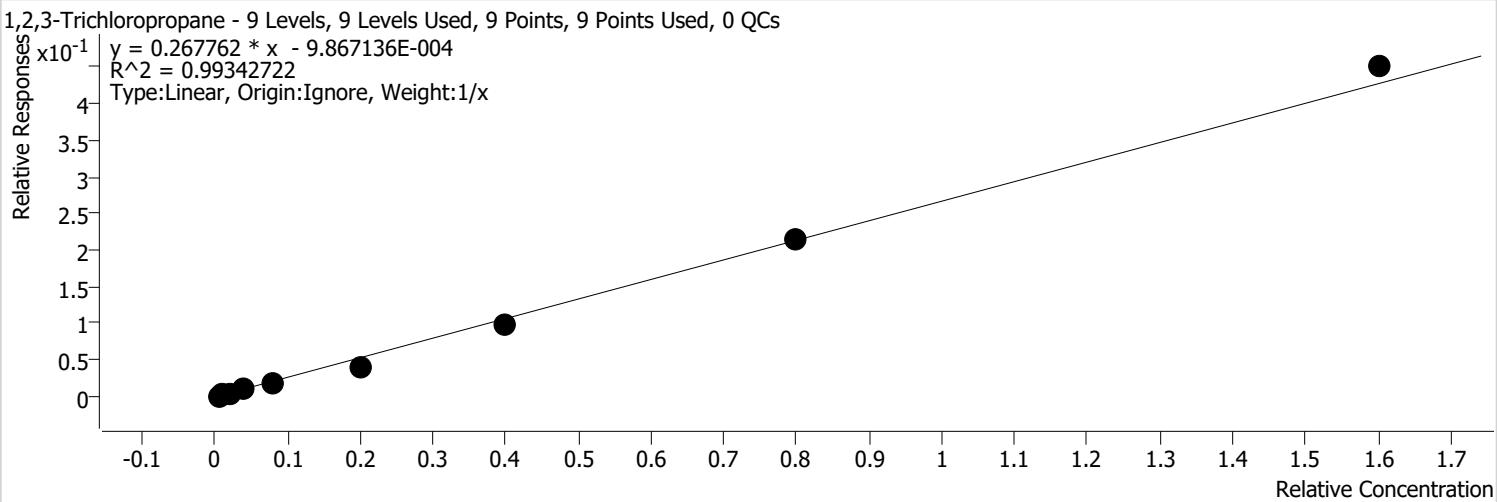
1,1,2,2-Tetrachloroethane %RSE = 9.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	2699	0.1000	0.2345	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	4710	0.2000	0.2019	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	16832	0.5000	0.3040	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	32976	1.0000	0.2890	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	67220	2.0000	0.2853	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	155632	5.0000	0.2591	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	330461	10.0000	0.2726	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	668567	20.0000	0.2809	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1452069	40.0000	0.2818	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

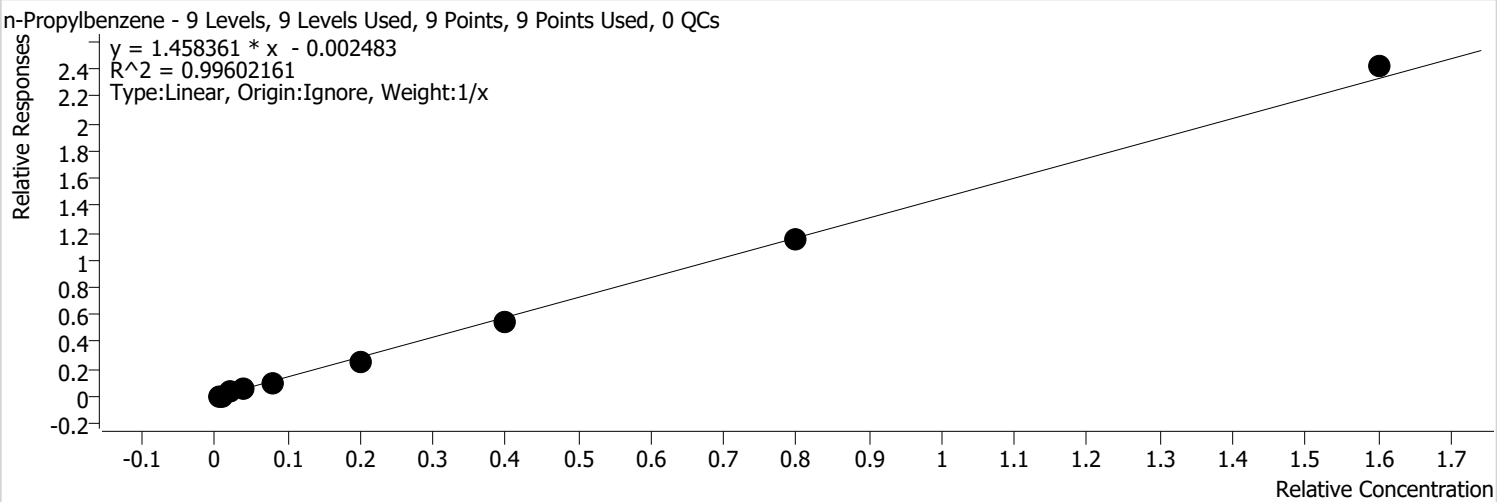
1,2,3-Trichloropropane %RSE = 18.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	1154	0.1000	0.1003	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	4827	0.2000	0.2069	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	11158	0.5000	0.2015	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	24193	1.0000	0.2121	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	53809	2.0000	0.2284	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	123205	5.0000	0.2051	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	291207	10.0000	0.2402	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	638496	20.0000	0.2683	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1450948	40.0000	0.2816	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

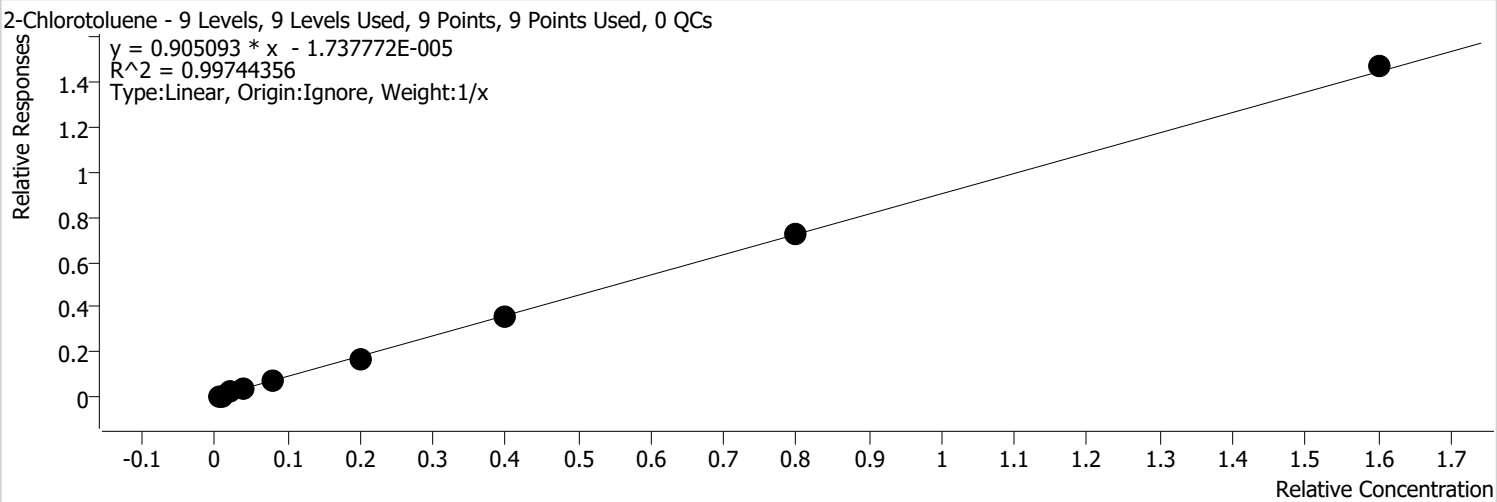
n-Propylbenzene %RSE = 21.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	13790	0.1000	1.1981	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	17202	0.2000	0.7372	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	103521	0.5000	1.8697	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	146004	1.0000	1.2798	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	306467	2.0000	1.3006	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	743610	5.0000	1.2380	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	1666140	10.0000	1.3743	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	3439027	20.0000	1.4449	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	7786351	40.0000	1.5112	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

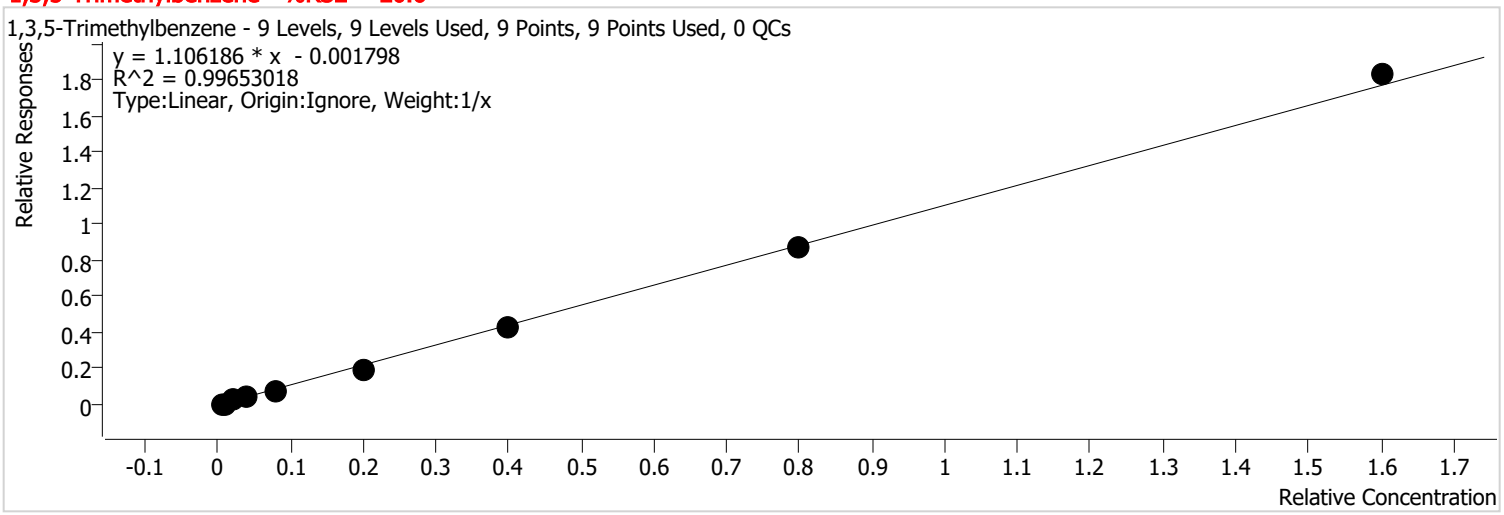
2-Chlorotoluene %RSE = 22.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	10805	0.1000	0.9387	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	13225	0.2000	0.5668	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	72794	0.5000	1.3147	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	103061	1.0000	0.9034	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	209167	2.0000	0.8877	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	492106	5.0000	0.8193	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	1072506	10.0000	0.8847	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	2150102	20.0000	0.9034	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	4735747	40.0000	0.9191	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

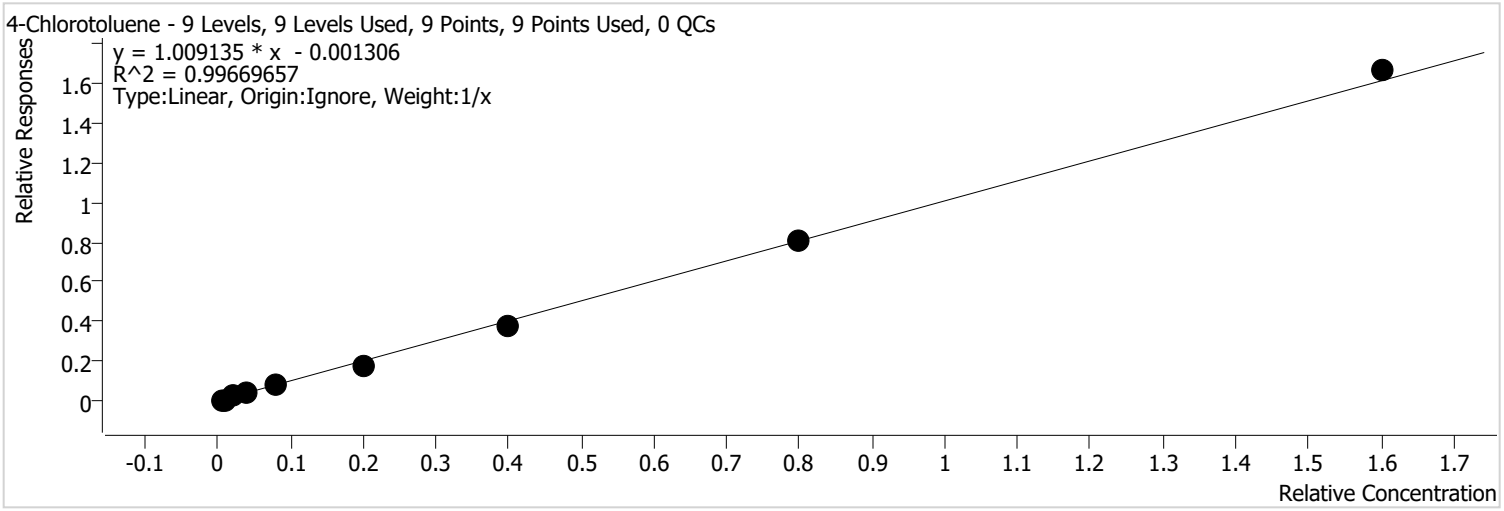
1,3,5-Trimethylbenzene %RSE = 20.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	10672	0.1000	0.9272	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	13164	0.2000	0.5641	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	77523	0.5000	1.4001	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	112318	1.0000	0.9845	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	234098	2.0000	0.9935	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	568202	5.0000	0.9459	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	1275593	10.0000	1.0522	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	2612825	20.0000	1.0978	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	5884113	40.0000	1.1420	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

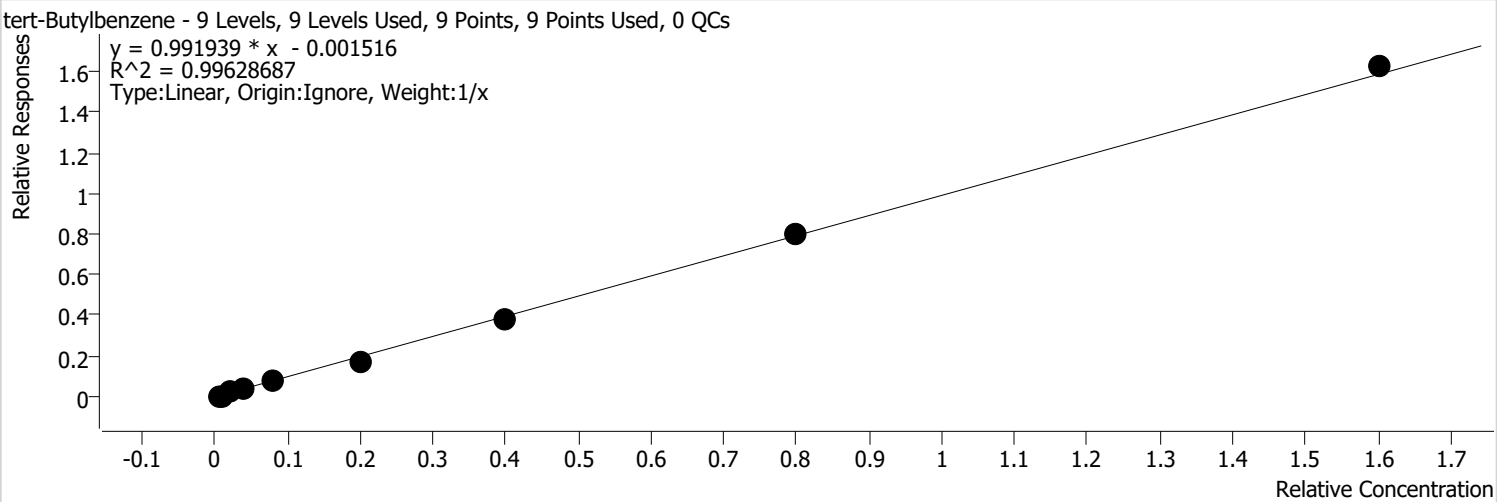
4-Chlorotoluene %RSE = 20.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	10384	0.1000	0.9022	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	12863	0.2000	0.5512	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	71520	0.5000	1.2917	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	105277	1.0000	0.9228	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	219207	2.0000	0.9303	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	521313	5.0000	0.8679	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	1156029	10.0000	0.9536	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	2394954	20.0000	1.0062	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	5358249	40.0000	1.0399	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

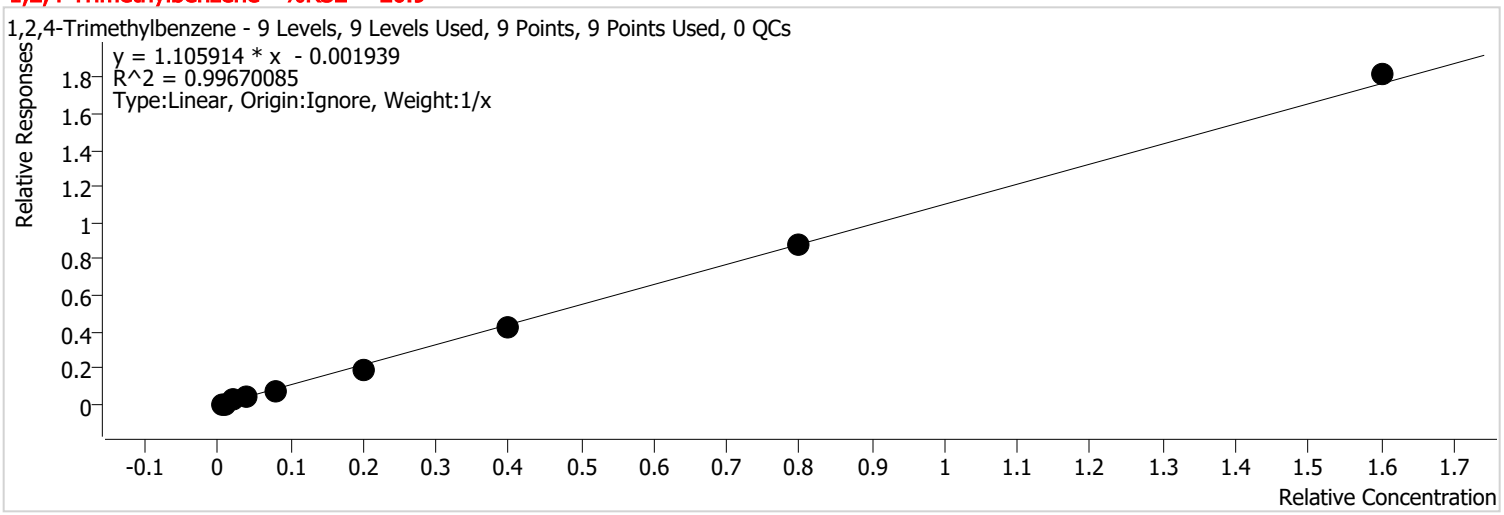
tert-Butylbenzene %RSE = 22.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	9392	0.1000	0.8160	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	10981	0.2000	0.4706	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	73927	0.5000	1.3352	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	101052	1.0000	0.8857	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	211977	2.0000	0.8996	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	506910	5.0000	0.8439	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	1144016	10.0000	0.9436	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	2387493	20.0000	1.0031	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	5226978	40.0000	1.0144	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

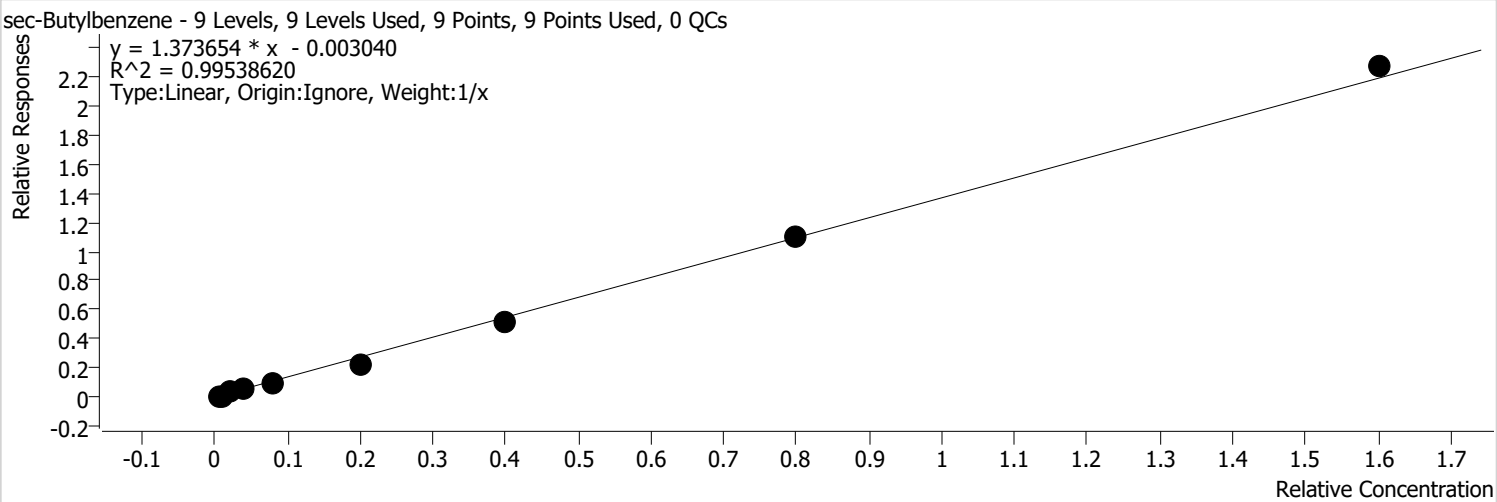
1,2,4-Trimethylbenzene %RSE = 20.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	10870	0.1000	0.9444	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	13384	0.2000	0.5736	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	75983	0.5000	1.3723	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	106842	1.0000	0.9365	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	225176	2.0000	0.9556	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	569857	5.0000	0.9487	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	1287952	10.0000	1.0624	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	2640400	20.0000	1.1094	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	5849772	40.0000	1.1353	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

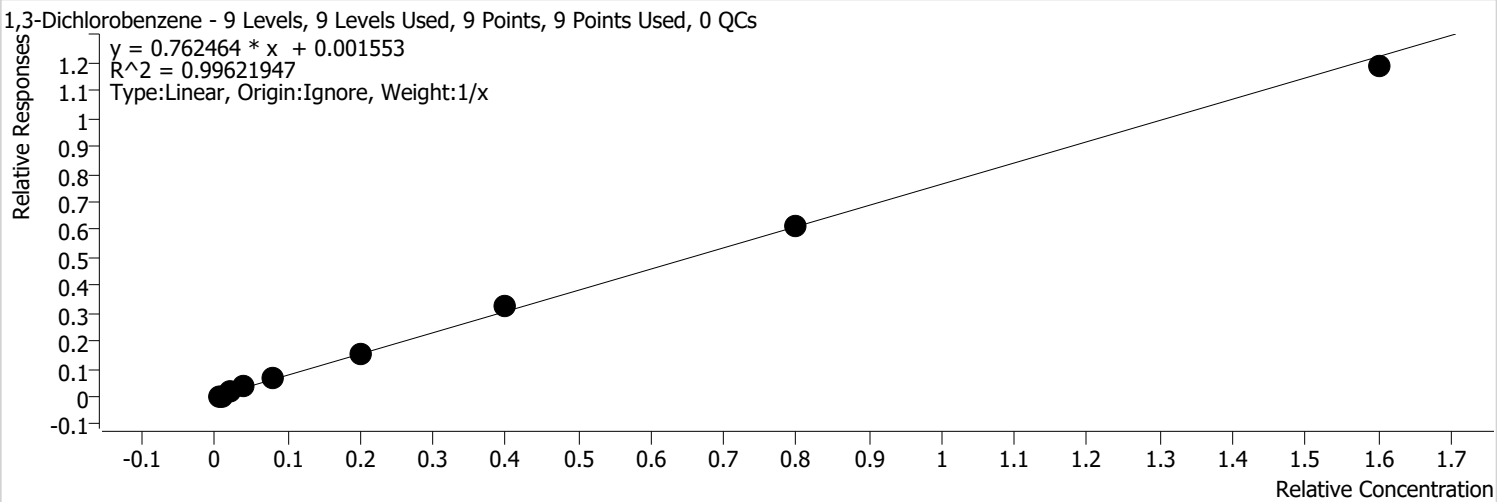
sec-Butylbenzene %RSE = 22.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	11748	0.1000	1.0207	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	14951	0.2000	0.6407	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	95285	0.5000	1.7209	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	130526	1.0000	1.1441	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	278331	2.0000	1.1812	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	682007	5.0000	1.1354	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	1557517	10.0000	1.2847	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	3283908	20.0000	1.3797	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	7322345	40.0000	1.4211	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

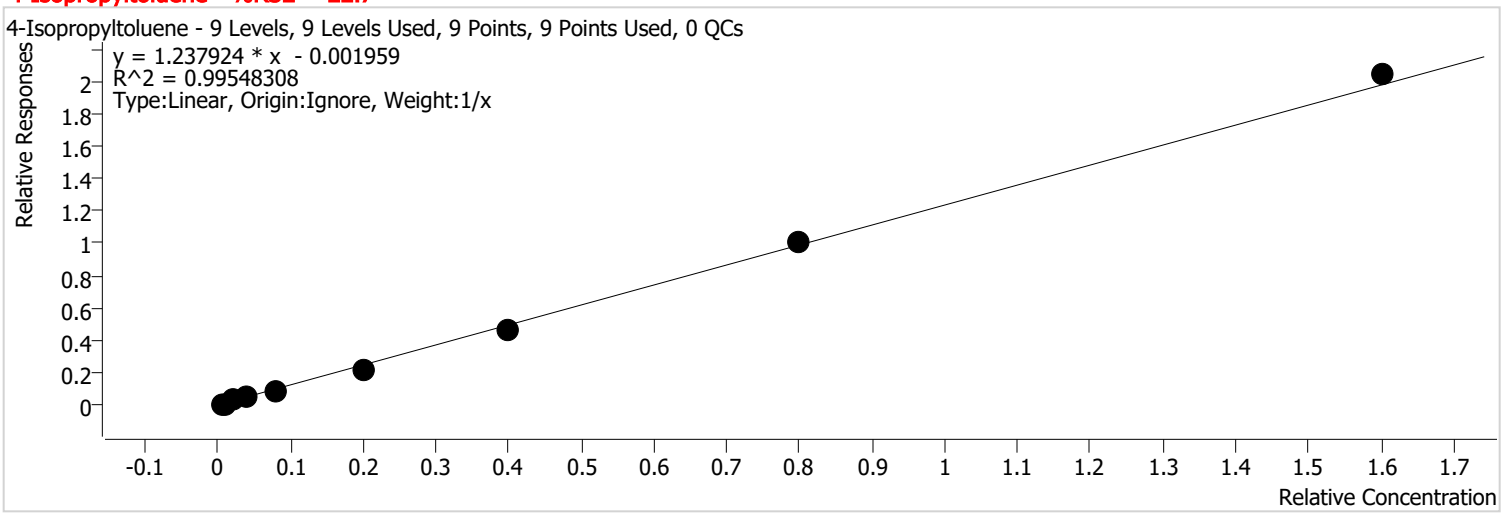
1,3-Dichlorobenzene %RSE = 28.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	8398	0.1000	0.9337	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	10790	0.2000	0.5974	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	55138	0.5000	1.2134	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	83714	1.0000	0.8939	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	169084	2.0000	0.8624	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	390533	5.0000	0.7721	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	863740	10.0000	0.8126	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	1733202	20.0000	0.7691	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	3808441	40.0000	0.7406	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

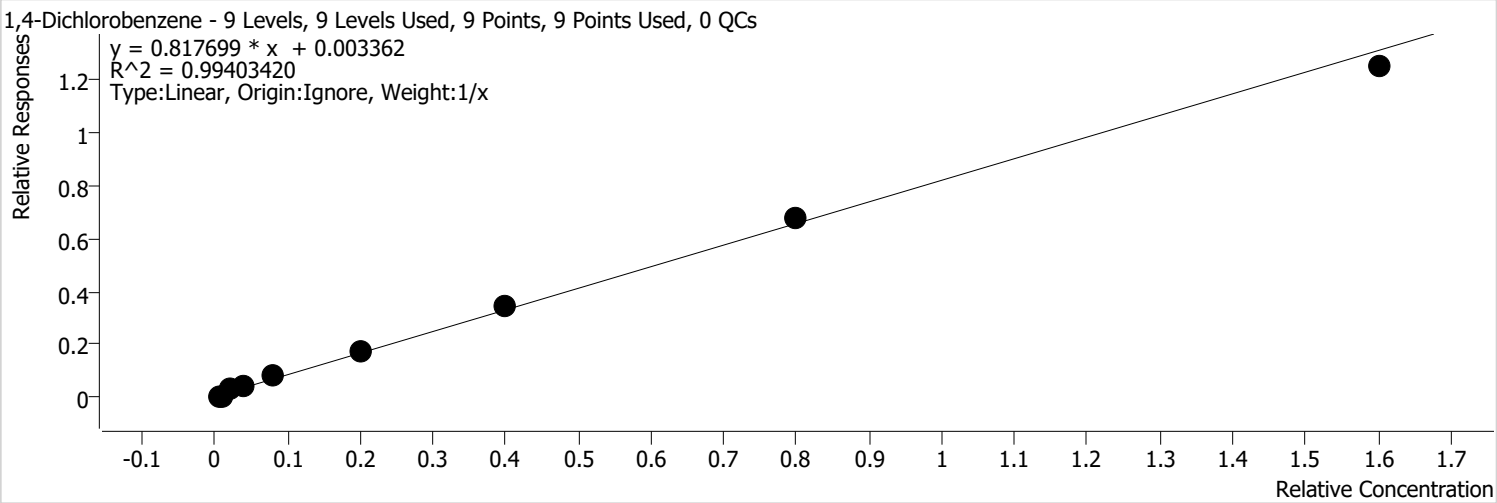
4-Isopropyltoluene %RSE = 22.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	12525	0.1000	1.0882	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	14643	0.2000	0.6275	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	89535	0.5000	1.6171	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	122362	1.0000	1.0725	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	258867	2.0000	1.0986	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	618493	5.0000	1.0297	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	1400404	10.0000	1.1551	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	2979986	20.0000	1.2520	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	6576610	40.0000	1.2764	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

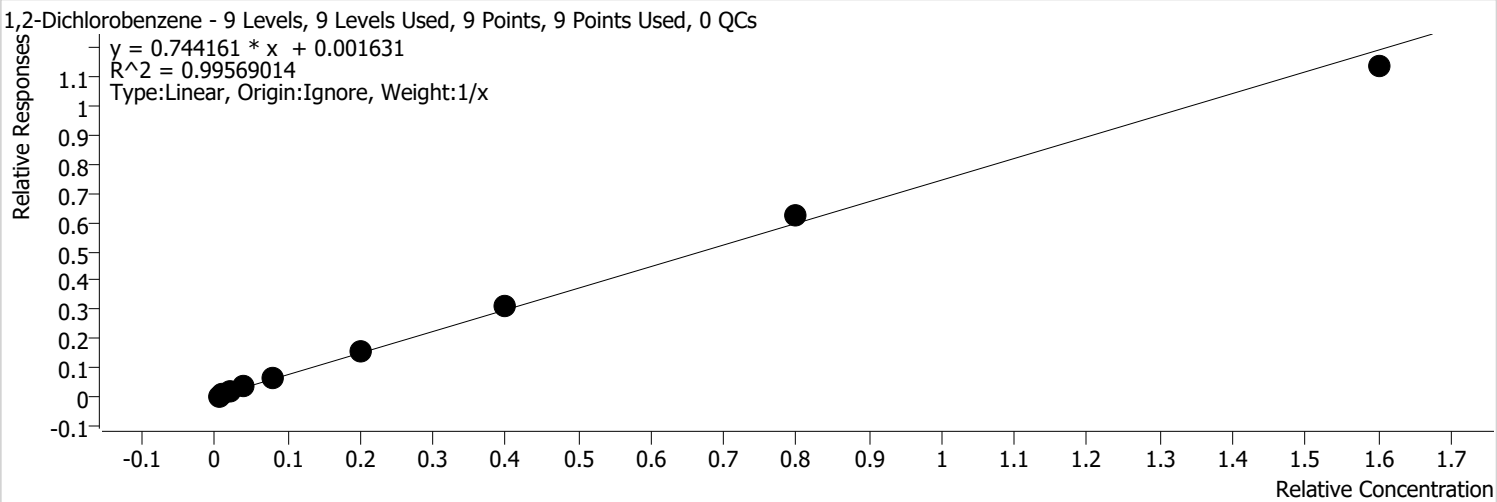
1,4-Dichlorobenzene %RSE = 34.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	11619	0.1000	1.2917	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	14784	0.2000	0.8186	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	64826	0.5000	1.4265	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	99644	1.0000	1.0640	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	194129	2.0000	0.9901	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	433524	5.0000	0.8571	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	927336	10.0000	0.8724	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	1901748	20.0000	0.8439	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	4017738	40.0000	0.7813	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

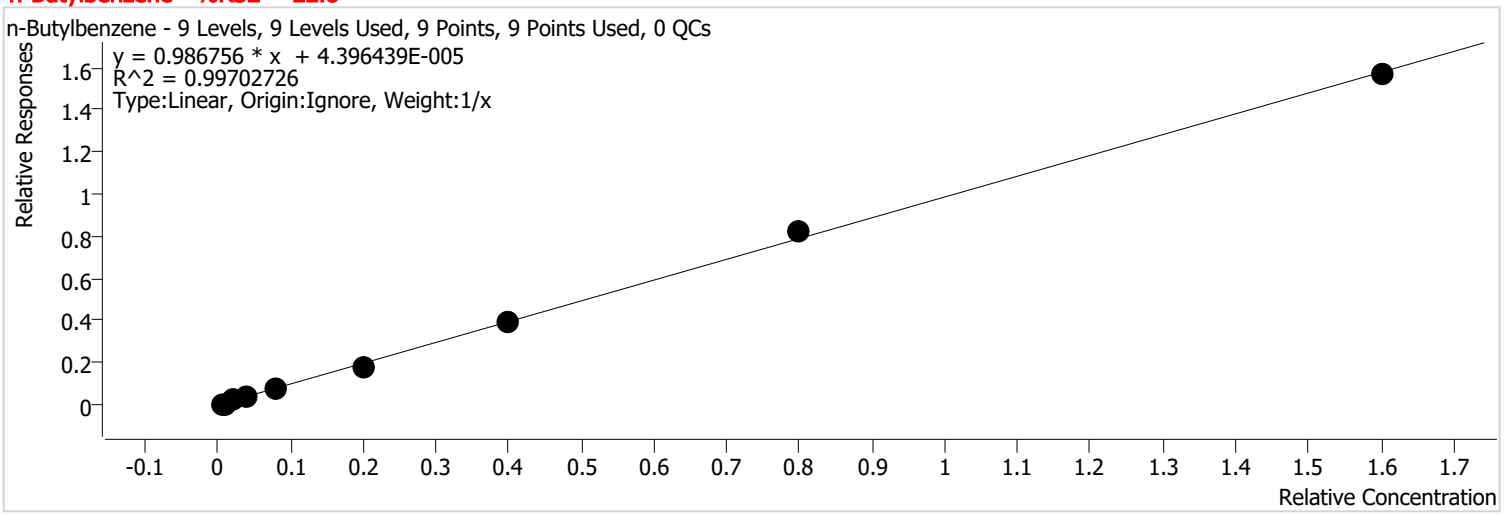
1,2-Dichlorobenzene %RSE = 25.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	7937	0.1000	0.8824	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	12477	0.2000	0.6909	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	51450	0.5000	1.1322	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	82559	1.0000	0.8815	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	165281	2.0000	0.8430	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	384496	5.0000	0.7602	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	837559	10.0000	0.7880	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	1756648	20.0000	0.7795	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	3647902	40.0000	0.7094	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

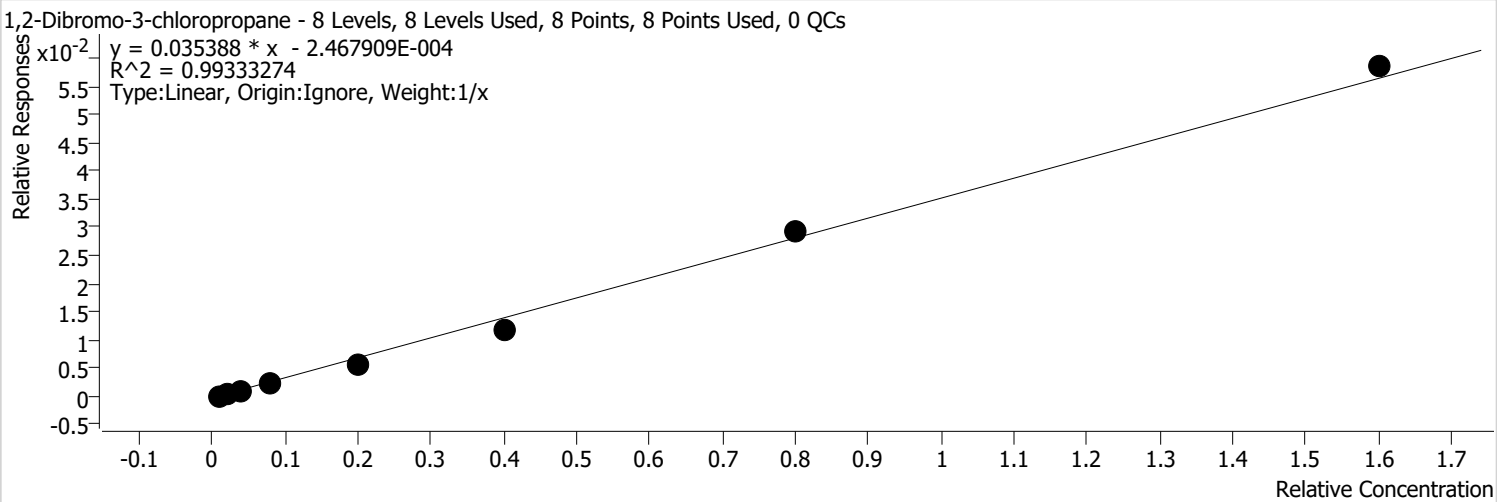
n-Butylbenzene %RSE = 22.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	10084	0.1000	1.1211	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	11081	0.2000	0.6136	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	64138	0.5000	1.4114	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	87216	1.0000	0.9313	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	185848	2.0000	0.9479	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	449625	5.0000	0.8890	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	1038712	10.0000	0.9772	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	2323555	20.0000	1.0311	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	5034292	40.0000	0.9790	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

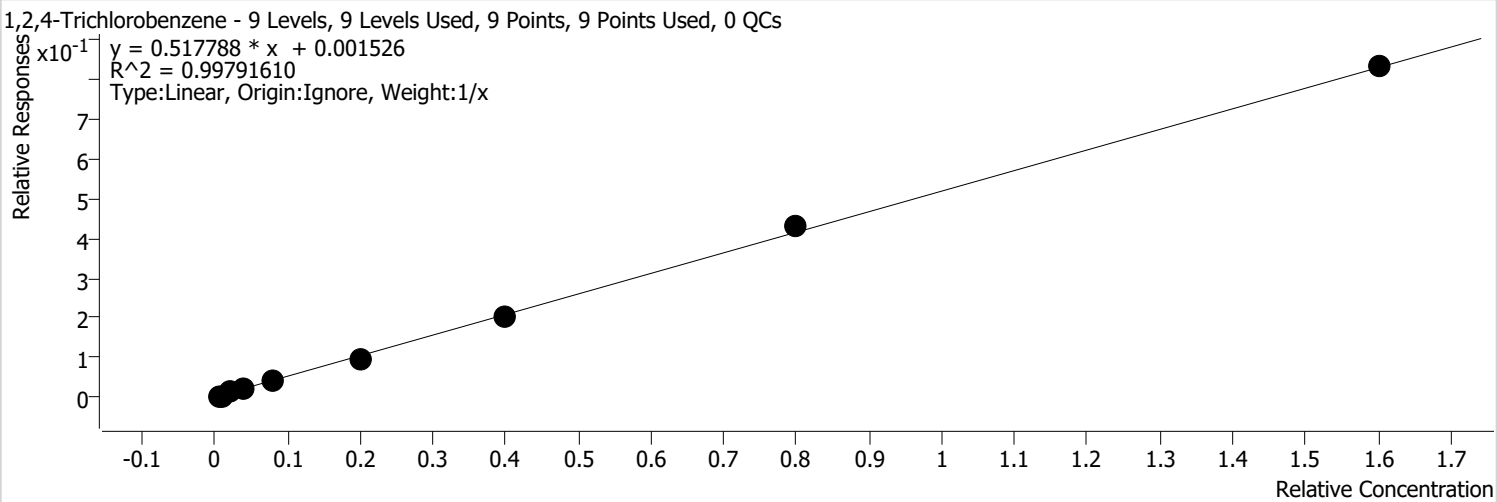
1,2-Dibromo-3-chloropropane %RSE = 14.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092303.D	Calibration	2	x	207	0.2000	0.0115	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	1280	0.5000	0.0282	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	2614	1.0000	0.0279	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	5884	2.0000	0.0300	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	14074	5.0000	0.0278	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	31660	10.0000	0.0298	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	82627	20.0000	0.0367	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	187834	40.0000	0.0365	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

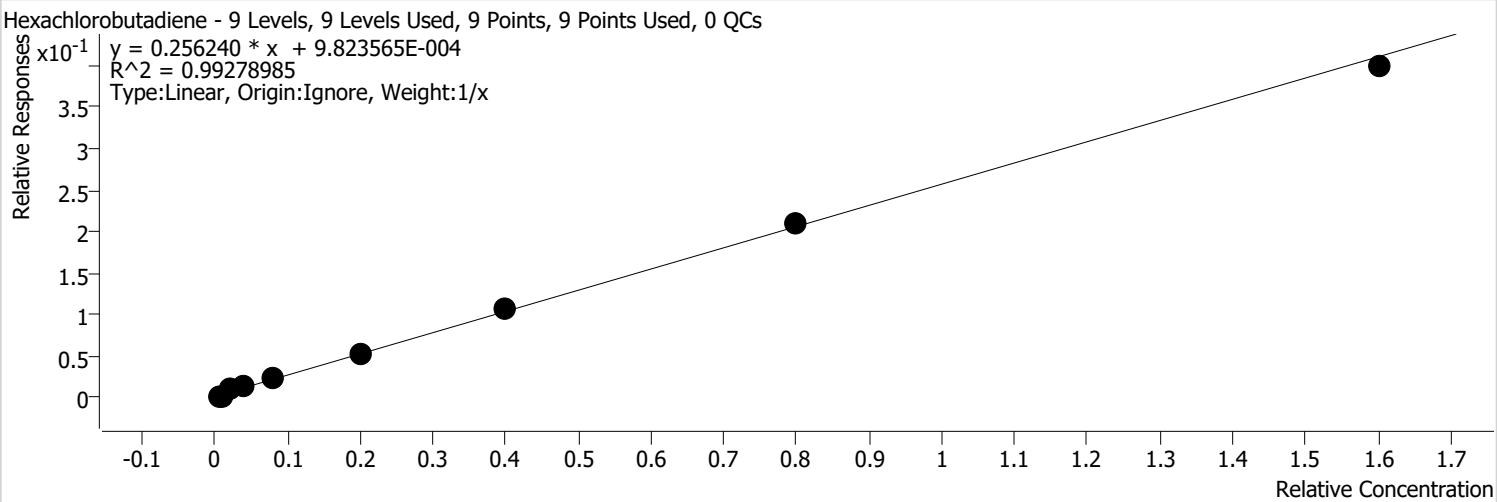
1,2,4-Trichlorobenzene %RSE = 16.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	8756	0.1000	0.9735	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	10114	0.2000	0.5600	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	33575	0.5000	0.7388	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	51150	1.0000	0.5462	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	103920	2.0000	0.5300	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	237108	5.0000	0.4688	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	536296	10.0000	0.5045	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	1213553	20.0000	0.5385	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	2674034	40.0000	0.5200	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

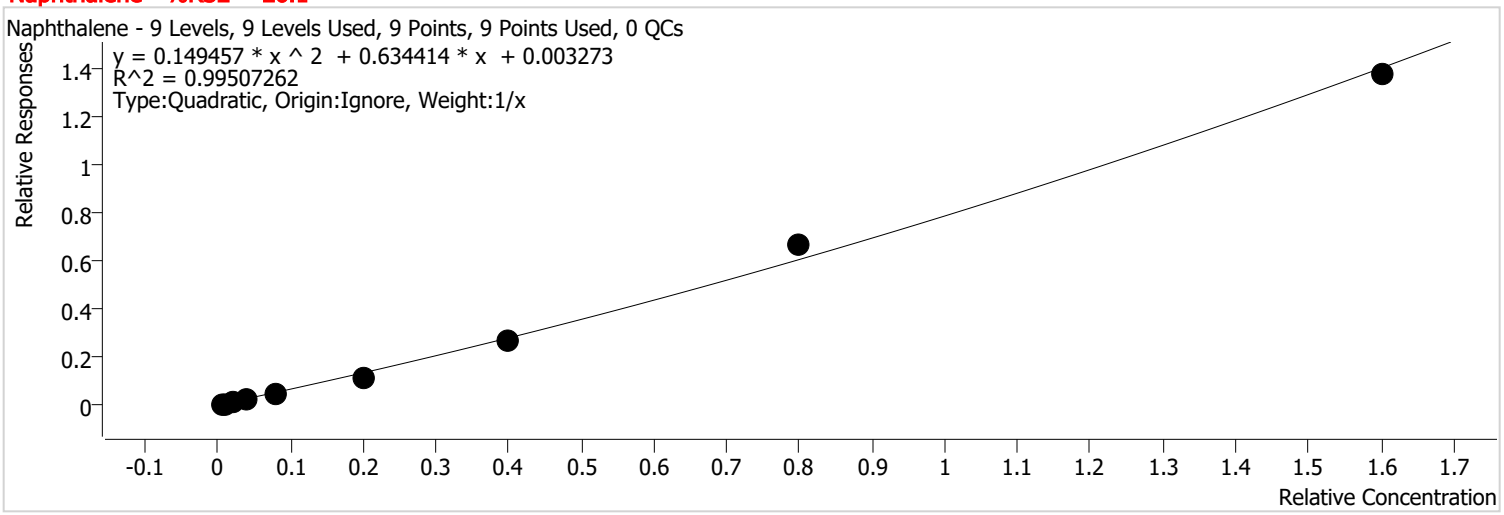
Hexachlorobutadiene %RSE = 43.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	3436	0.1000	0.3820	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	4003	0.2000	0.2217	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	23570	0.5000	0.5187	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	30339	1.0000	0.3240	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	57051	2.0000	0.2910	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	129398	5.0000	0.2558	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	279784	10.0000	0.2632	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	595173	20.0000	0.2641	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	1281894	40.0000	0.2493	

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Naphthalene %RSE = 26.1

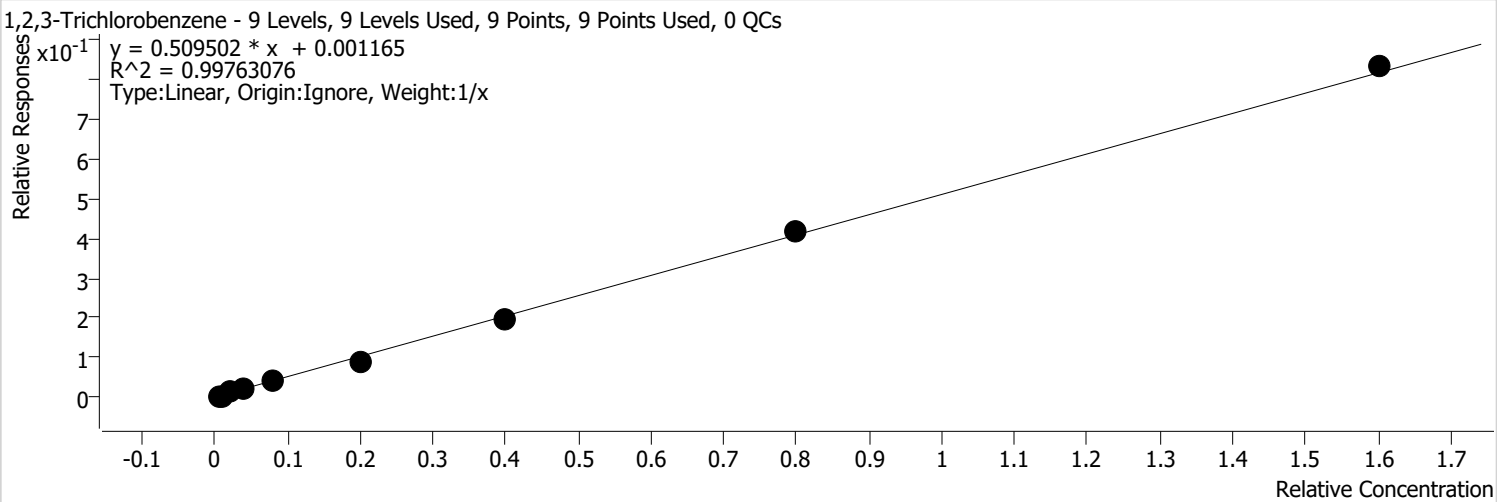


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	16269	0.1000	1.8087	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	17717	0.2000	0.9810	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	34290	0.5000	0.7546	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	55234	1.0000	0.5898	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	123215	2.0000	0.6284	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	294691	5.0000	0.5826	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	724550	10.0000	0.6817	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	1894359	20.0000	0.8406	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	4412145	40.0000	0.8580	

Calibration Report

Batch Path	D:\GC-19\Data\092321\QuantResults\VOC WATER CAL.batch.bin		
Analysis Time	9/24/2021 7:37 AM	**Analyst Name**	FA\GC19
Report Time	9/24/2021 7:38:29 AM	**Reporter Name**	FA\GC19
Last Calib Update	9/24/2021 6:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,2,3-Trichlorobenzene %RSE = 17.8

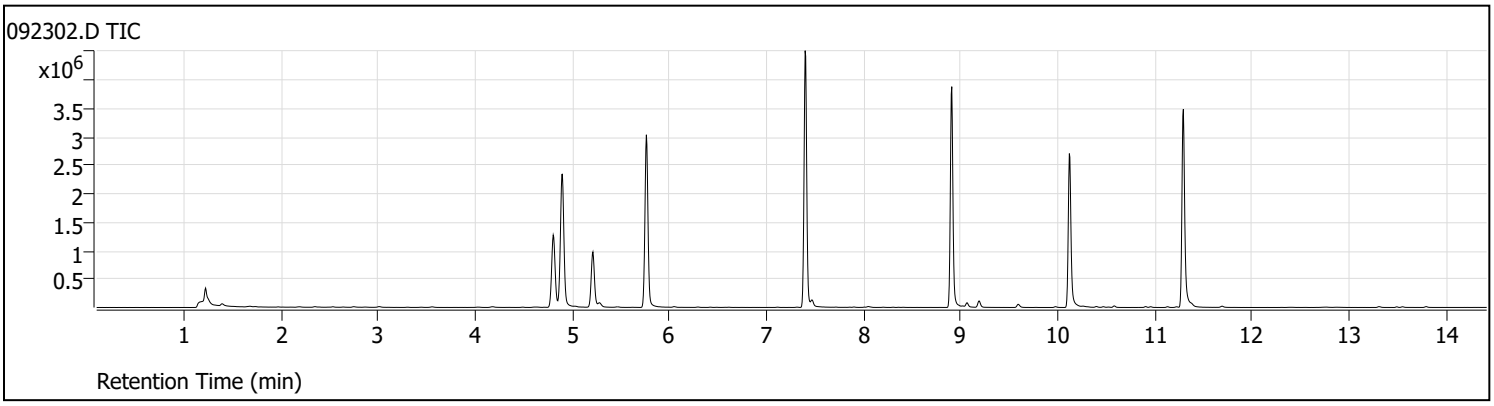


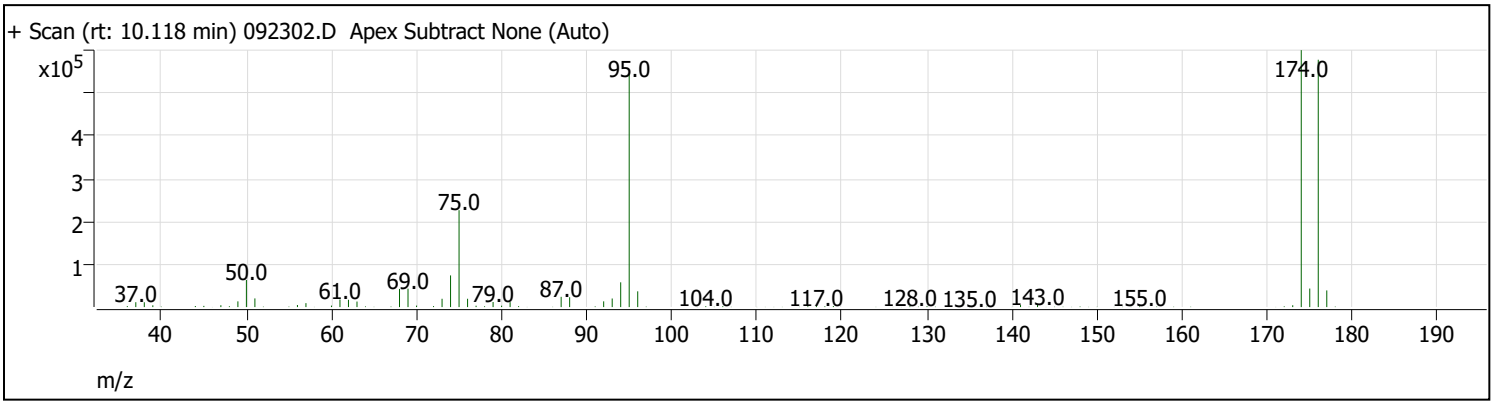
Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\092321\092302.D	Calibration	1	x	8461	0.1000	0.9407	
D:\GC-19\Data\092321\092303.D	Calibration	2	x	9346	0.2000	0.5175	
D:\GC-19\Data\092321\092304.D	Calibration	3	x	30950	0.5000	0.6811	
D:\GC-19\Data\092321\092305.D	Calibration	4	x	47479	1.0000	0.5070	
D:\GC-19\Data\092321\092306.D	Calibration	5	x	99950	2.0000	0.5098	
D:\GC-19\Data\092321\092307.D	Calibration	6	x	226132	5.0000	0.4471	
D:\GC-19\Data\092321\092308.D	Calibration	7	x	523635	10.0000	0.4926	
D:\GC-19\Data\092321\092309.D	Calibration	8	x	1171208	20.0000	0.5197	
D:\GC-19\Data\092321\092310.D	Calibration	9	x	2672685	40.0000	0.5197	

Tunes

Tune Evaluation Report

Data Path:	D:\GC-19\Data\092321\092302.D
Acq on:	9/23/2021 12:00:26 PM
Operator:	FA\GC19
Sample:	VOC WATER CAL1 25907
Inst Name:	GC19
ALS Vial:	2
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

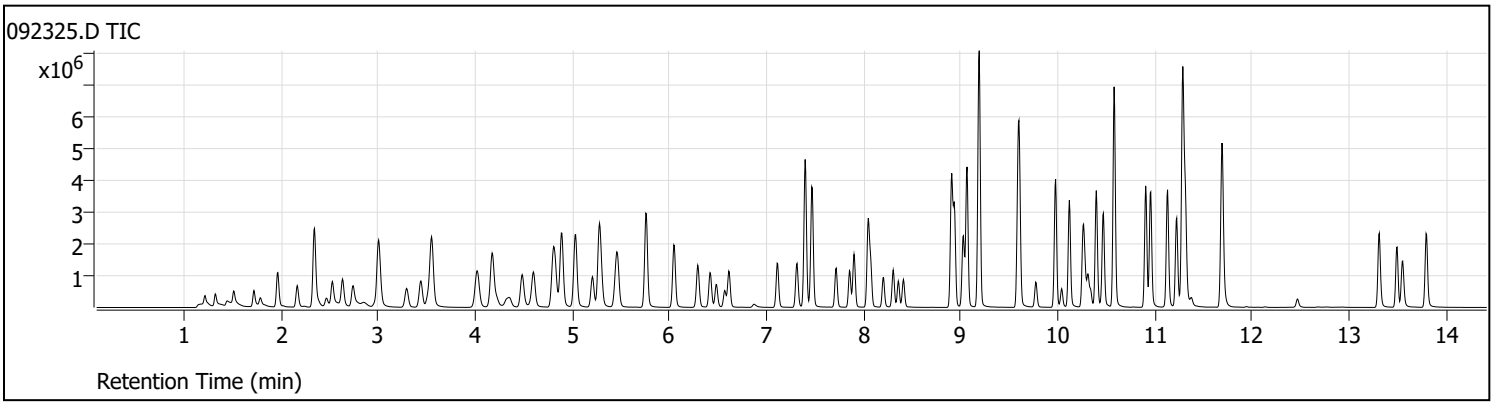


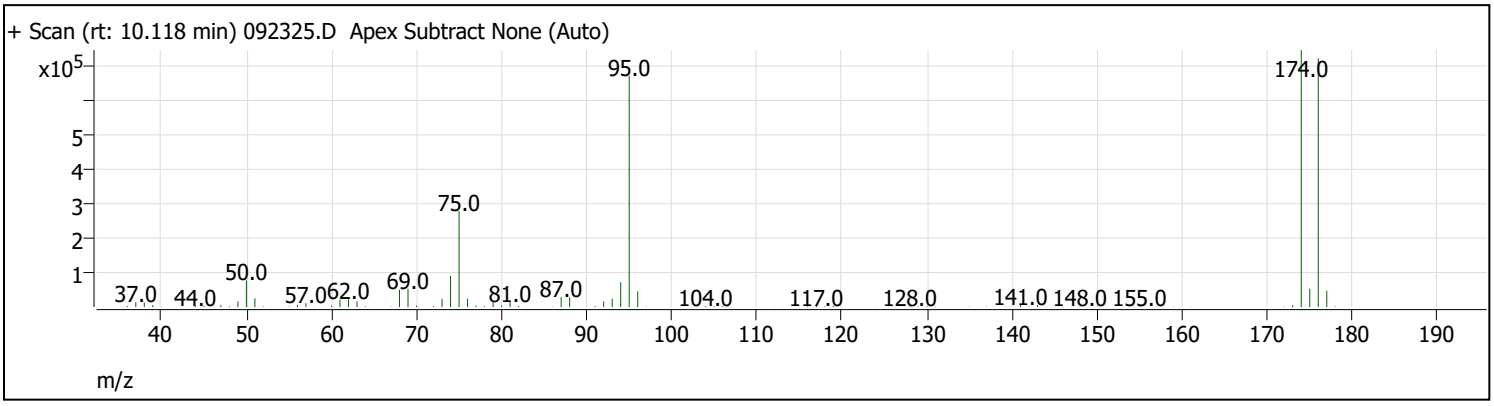


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	90.9	545598	Pass
96	95	5	9	6.7	36754	Pass
173	174	0	2	0.7	4244	Pass
174	95	50	200	110.0	600154	Pass
175	174	5	9	7.2	43241	Pass
176	174	95	105	96.3	577749	Pass
177	176	5	10	6.7	38864	Pass

Tune Evaluation Report

Data Path:	D:\GC-19\Data\092321\092325.D
Acq on:	9/23/2021 11:31:12 PM
Operator:	FA\GC19
Sample:	CCV-33808A_LCS-33808 VOC
Inst Name:	GC19
ALS Vial:	23
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

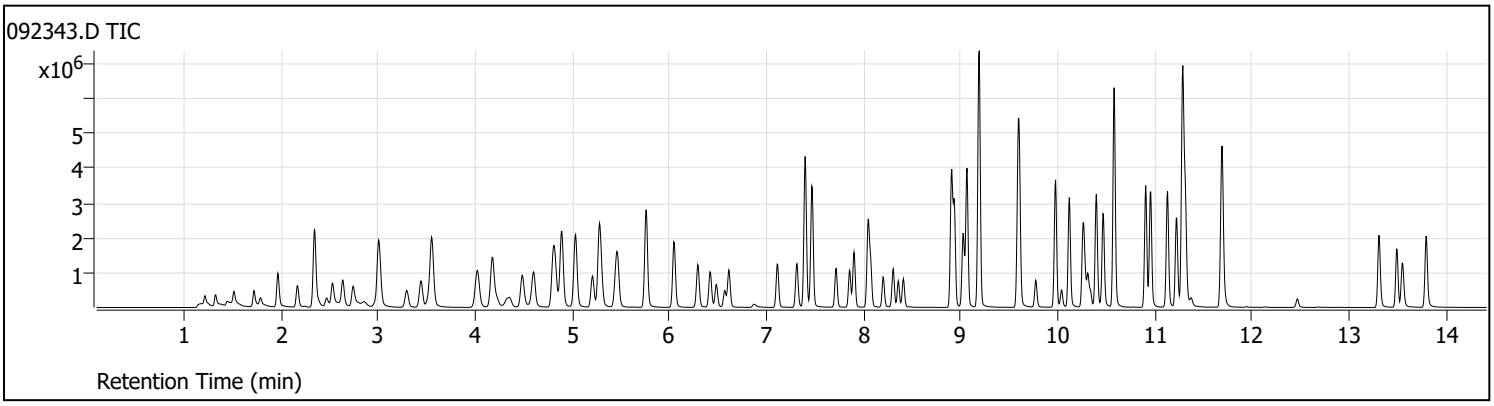


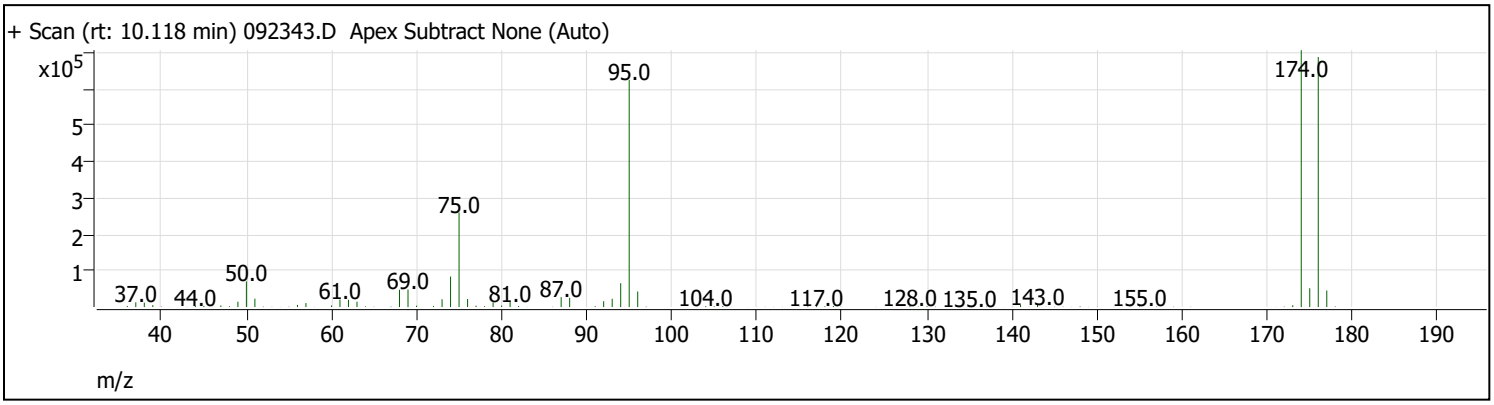


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	90.1	672635	Pass
96	95	5	9	6.8	45540	Pass
173	174	0	2	0.7	5469	Pass
174	95	50	200	111.0	746914	Pass
175	174	5	9	7.2	53439	Pass
176	174	95	105	96.8	723198	Pass
177	176	5	10	6.6	47554	Pass

Tune Evaluation Report

Data Path:	D:\GC-19\Data\092321\092343.D
Acq on:	9/24/2021 8:31:19 AM
Operator:	FA\GC19
Sample:	CCV-33808B VOC
Inst Name:	GC19
ALS Vial:	41
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

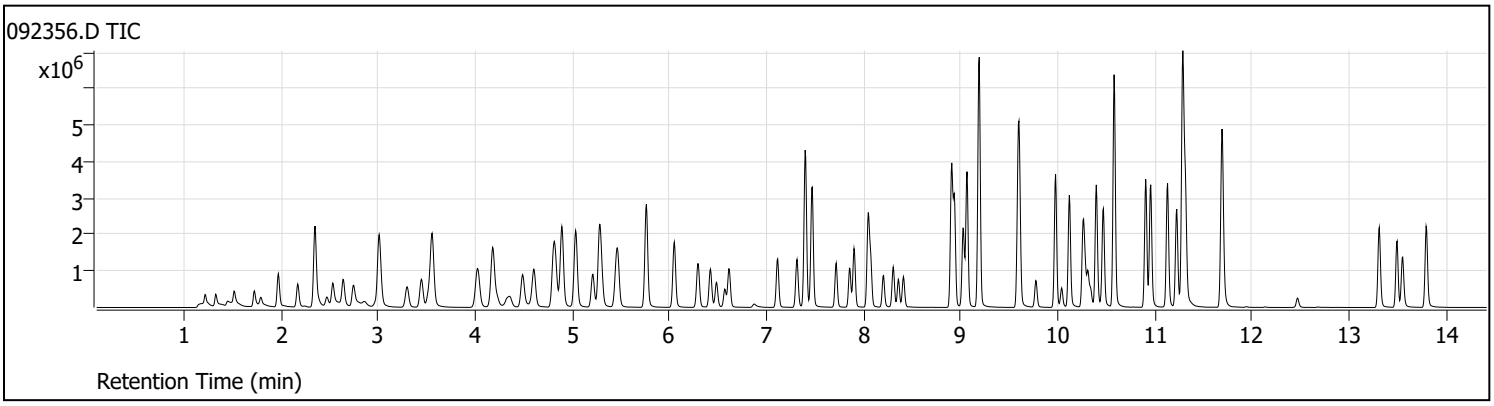


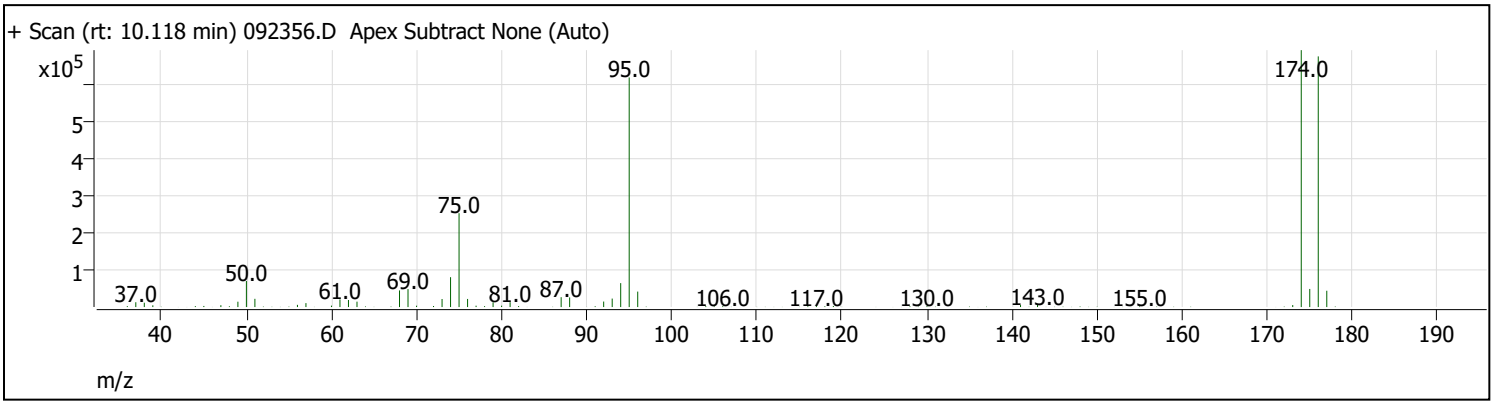


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	88.5	624566	Pass
96	95	5	9	6.8	42732	Pass
173	174	0	2	0.7	4874	Pass
174	95	50	200	113.0	706047	Pass
175	174	5	9	7.3	51557	Pass
176	174	95	105	97.3	687303	Pass
177	176	5	10	6.6	45481	Pass

Tune Evaluation Report

Data Path:	D:\GC-19\Data\092321\092356.D
Acq on:	9/24/2021 3:02:39 PM
Operator:	FA\GC19
Sample:	CCV-33808C VOC
Inst Name:	GC19
ALS Vial:	50
Method:	D:\MassHunter\Methods\Quant\BFB2021.m





Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	89.4	617387	Pass
96	95	5	9	6.7	41529	Pass
173	174	0	2	0.8	5293	Pass
174	95	50	200	111.9	690750	Pass
175	174	5	9	7.1	48703	Pass
176	174	95	105	97.6	673973	Pass
177	176	5	10	6.5	43869	Pass

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Shannon & Wilson
Ryan Peterson
400 N. 34th Street, Suite 100
Seattle, WA 98103

RE: 8801- Excavations
Work Order Number: 2109394

October 07, 2021

Attention Ryan Peterson:

Fremont Analytical, Inc. received 20 sample(s) on 9/23/2021 for the analyses presented in the following report.

Gasoline by NWTPH-Gx
Polychlorinated Biphenyls (PCB) by EPA 8082
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

Date: *10/07/2021*

CLIENT: Shannon & Wilson
Project: 8801- Excavations
Work Order: 2109394

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109394-001	A3-SIDE1:2.5	09/23/2021 10:20 AM	09/23/2021 5:00 PM
2109394-002	A3-SIDE1:5	09/23/2021 10:25 AM	09/23/2021 5:00 PM
2109394-003	A3-SIDE2:2.5	09/23/2021 10:00 AM	09/23/2021 5:00 PM
2109394-004	A3-SIDE2:5	09/23/2021 10:05 AM	09/23/2021 5:00 PM
2109394-005	A3-SIDE3:2.5	09/23/2021 10:45 AM	09/23/2021 5:00 PM
2109394-006	A3-SIDE3:5	09/23/2021 10:50 AM	09/23/2021 5:00 PM
2109394-007	A3-SIDE8:2.5	09/23/2021 1:45 PM	09/23/2021 5:00 PM
2109394-008	A3-SIDE8:5	09/23/2021 1:50 PM	09/23/2021 5:00 PM
2109394-009	A3-SIDE9:2.5	09/23/2021 1:30 PM	09/23/2021 5:00 PM
2109394-010	A3-SIDE9:5	09/23/2021 1:35 PM	09/23/2021 5:00 PM
2109394-011	A3-SIDE10:2.5	09/23/2021 1:15 PM	09/23/2021 5:00 PM
2109394-012	A3-SIDE10:5	09/23/2021 1:20 PM	09/23/2021 5:00 PM
2109394-013	A3-SIDE11:2.5	09/23/2021 1:00 PM	09/23/2021 5:00 PM
2109394-014	A3-SIDE11:5	09/23/2021 1:05 PM	09/23/2021 5:00 PM
2109394-015	A3-SIDE12:2.5	09/23/2021 12:45 PM	09/23/2021 5:00 PM
2109394-016	A3-SIDE12:5	09/23/2021 12:50 PM	09/23/2021 5:00 PM
2109394-017	A3-BOT13:6	09/23/2021 11:05 AM	09/23/2021 5:00 PM
2109394-018	A3-BOT14:6	09/23/2021 11:10 AM	09/23/2021 5:00 PM
2109394-019	A3-BOT15:6	09/23/2021 11:15 AM	09/23/2021 5:00 PM
2109394-020	A3-BOT16:6	09/23/2021 11:20 AM	09/23/2021 5:00 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Revision v1

CLIENT: Shannon & Wilson
Project: 8801- Excavations

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-001A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-002A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-003A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-004A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-005A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-006A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-007A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-008A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-009A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-010A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-011A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-012A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-013A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-014A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-015A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-016A) required Acid Cleanup

Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-017A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-018A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-019A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-020A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-001A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-002A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-003A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-004A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-005A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-006A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-007A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-008A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-009A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-010A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-011A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-012A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-013A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-014A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-015A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-016A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-017A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-018A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-019A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109394-020A) required Florisil Cleanup Procedure (Using Method No 3620C).

Case Narrative

WO#: **2109394**

Date: **10/7/2021**

CLIENT: Shannon & Wilson

Project: 8801- Excavations

10/7/21: Revision 1 include Level 2b data.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **2109394**
Date Reported: **10/7/2021**

Client: Shannon & Wilson
Collection Date: 9/23/2021 10:20:00 AM
Project: 8801- Excavations
Lab ID: 2109394-001
Matrix: Soil
Client Sample ID: **A3-SIDE1:2.5**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33821			Analyst: SB
Aroclor 1016	ND	0.0572	0.00922		mg/Kg-dry	1	09/28/21 9:22:07
Aroclor 1221	ND	0.0572	0.00922		mg/Kg-dry	1	09/28/21 9:22:07
Aroclor 1232	ND	0.0572	0.00922		mg/Kg-dry	1	09/28/21 9:22:07
Aroclor 1242	ND	0.0572	0.00922		mg/Kg-dry	1	09/28/21 9:22:07
Aroclor 1248	ND	0.0572	0.0114		mg/Kg-dry	1	09/28/21 9:22:07
Aroclor 1254	ND	0.0572	0.0114		mg/Kg-dry	1	09/28/21 9:22:07
Aroclor 1260	ND	0.0572	0.0114		mg/Kg-dry	1	09/28/21 9:22:07
Aroclor 1262	ND	0.0572	0.0114		mg/Kg-dry	1	09/28/21 9:22:07
Aroclor 1268	ND	0.0572	0.0114		mg/Kg-dry	1	09/28/21 9:22:07
Total PCBs	ND	0.0572	0.0114		mg/Kg-dry	1	09/28/21 9:22:07
Surr: Decachlorobiphenyl	33.8	20.6 - 142			%Rec	1	09/28/21 9:22:07
Surr: Tetrachloro-m-xylene	31.8	22 - 157			%Rec	1	09/28/21 9:22:07
Gasoline by NWTPH-Gx				Batch ID: 33832			Analyst: CR
Gasoline	16.1	6.81	2.72		mg/Kg-dry	1	09/28/21 9:35:07
Surr: Toluene-d8	96.4	65 - 135			%Rec	1	09/28/21 9:35:07
Surr: 4-Bromofluorobenzene	95.2	65 - 135			%Rec	1	09/28/21 9:35:07
Total Metals by EPA Method 6020B				Batch ID: 33833			Analyst: EH
Copper	61.4	12.0	2.25	D	mg/Kg-dry	10	09/28/21 14:19:20
Sample Moisture (Percent Moisture)				Batch ID: R70105			Analyst: ALB
Percent Moisture	38.0	0.500	0.100		wt%	1	09/24/21 10:09:53

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109394-002
Client Sample ID: **A3-SIDE1:5**

Collection Date: 9/23/2021 10:25:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33821			Analyst: SB
Aroclor 1016	ND	0.0497	0.00802		mg/Kg-dry	1	09/28/21 9:31:51
Aroclor 1221	ND	0.0497	0.00802		mg/Kg-dry	1	09/28/21 9:31:51
Aroclor 1232	ND	0.0497	0.00802		mg/Kg-dry	1	09/28/21 9:31:51
Aroclor 1242	ND	0.0497	0.00802		mg/Kg-dry	1	09/28/21 9:31:51
Aroclor 1248	ND	0.0497	0.00989		mg/Kg-dry	1	09/28/21 9:31:51
Aroclor 1254	ND	0.0497	0.00989		mg/Kg-dry	1	09/28/21 9:31:51
Aroclor 1260	ND	0.0497	0.00989		mg/Kg-dry	1	09/28/21 9:31:51
Aroclor 1262	ND	0.0497	0.00989		mg/Kg-dry	1	09/28/21 9:31:51
Aroclor 1268	ND	0.0497	0.00989		mg/Kg-dry	1	09/28/21 9:31:51
Total PCBs	ND	0.0497	0.00989		mg/Kg-dry	1	09/28/21 9:31:51
Surr: Decachlorobiphenyl	53.5	20.6 - 142			%Rec	1	09/28/21 9:31:51
Surr: Tetrachloro-m-xylene	37.7	22 - 157			%Rec	1	09/28/21 9:31:51
Gasoline by NWTPH-Gx				Batch ID: 33832			Analyst: CR
Gasoline	17.1	7.22	2.88		mg/Kg-dry	1	09/28/21 8:33:23
Surr: Toluene-d8	98.4	65 - 135			%Rec	1	09/28/21 8:33:23
Surr: 4-Bromofluorobenzene	103	65 - 135			%Rec	1	09/28/21 8:33:23
Total Metals by EPA Method 6020B				Batch ID: 33833			Analyst: EH
Copper	30.8	9.97	1.87	D	mg/Kg-dry	10	09/28/21 14:24:54
Sample Moisture (Percent Moisture)				Batch ID: R70105			Analyst: ALB
Percent Moisture	24.0	0.500	0.100		wt%	1	09/24/21 10:09:53

Analytical Report

Work Order: **2109394**
Date Reported: **10/7/2021**

Client: Shannon & Wilson
Collection Date: 9/23/2021 10:00:00 AM
Project: 8801- Excavations
Lab ID: 2109394-003
Matrix: Soil
Client Sample ID: **A3-SIDE2:2.5**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33821			Analyst: SB
Aroclor 1016	ND	0.0459	0.00739		mg/Kg-dry	1	09/28/21 9:41:29
Aroclor 1221	ND	0.0459	0.00739		mg/Kg-dry	1	09/28/21 9:41:29
Aroclor 1232	ND	0.0459	0.00739		mg/Kg-dry	1	09/28/21 9:41:29
Aroclor 1242	ND	0.0459	0.00739		mg/Kg-dry	1	09/28/21 9:41:29
Aroclor 1248	ND	0.0459	0.00912		mg/Kg-dry	1	09/28/21 9:41:29
Aroclor 1254	ND	0.0459	0.00912		mg/Kg-dry	1	09/28/21 9:41:29
Aroclor 1260	ND	0.0459	0.00912		mg/Kg-dry	1	09/28/21 9:41:29
Aroclor 1262	ND	0.0459	0.00912		mg/Kg-dry	1	09/28/21 9:41:29
Aroclor 1268	ND	0.0459	0.00912		mg/Kg-dry	1	09/28/21 9:41:29
Total PCBs	ND	0.0459	0.00912		mg/Kg-dry	1	09/28/21 9:41:29
Surr: Decachlorobiphenyl	100	20.6 - 142			%Rec	1	09/28/21 9:41:29
Surr: Tetrachloro-m-xylene	75.4	22 - 157			%Rec	1	09/28/21 9:41:29
Gasoline by NWTPH-Gx				Batch ID: 33832			Analyst: CR
Gasoline	5,050	813	325	D	mg/Kg-dry	100	09/28/21 11:39:07
Surr: Toluene-d8	103	65 - 135		D	%Rec	100	09/28/21 11:39:07
Surr: 4-Bromofluorobenzene	101	65 - 135		D	%Rec	100	09/28/21 11:39:07
Total Metals by EPA Method 6020B				Batch ID: 33833			Analyst: EH
Copper	54.9	9.89	1.85	D	mg/Kg-dry	10	09/28/21 14:30:28
Sample Moisture (Percent Moisture)				Batch ID: R70105			Analyst: ALB
Percent Moisture	19.8	0.500	0.100		wt%	1	09/24/21 10:09:53

Analytical Report

Work Order: **2109394**
Date Reported: **10/7/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109394-004
Client Sample ID: **A3-SIDE2:5**

Collection Date: 9/23/2021 10:05:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33821			Analyst: SB
Aroclor 1016	ND	0.0451	0.00726		mg/Kg-dry	1	09/28/21 9:51:17
Aroclor 1221	ND	0.0451	0.00726		mg/Kg-dry	1	09/28/21 9:51:17
Aroclor 1232	ND	0.0451	0.00726		mg/Kg-dry	1	09/28/21 9:51:17
Aroclor 1242	ND	0.0451	0.00726		mg/Kg-dry	1	09/28/21 9:51:17
Aroclor 1248	ND	0.0451	0.00896		mg/Kg-dry	1	09/28/21 9:51:17
Aroclor 1254	ND	0.0451	0.00896		mg/Kg-dry	1	09/28/21 9:51:17
Aroclor 1260	ND	0.0451	0.00896		mg/Kg-dry	1	09/28/21 9:51:17
Aroclor 1262	ND	0.0451	0.00896		mg/Kg-dry	1	09/28/21 9:51:17
Aroclor 1268	ND	0.0451	0.00896		mg/Kg-dry	1	09/28/21 9:51:17
Total PCBs	ND	0.0451	0.00896		mg/Kg-dry	1	09/28/21 9:51:17
Surr: Decachlorobiphenyl	85.4	20.6 - 142			%Rec	1	09/28/21 9:51:17
Surr: Tetrachloro-m-xylene	72.4	22 - 157			%Rec	1	09/28/21 9:51:17
Gasoline by NWTPH-Gx				Batch ID: 33832			Analyst: CR
Gasoline	95.5	82.9	33.1	D	mg/Kg-dry	10	09/28/21 11:08:06
Surr: Toluene-d8	105	65 - 135		D	%Rec	10	09/28/21 11:08:06
Surr: 4-Bromofluorobenzene	98.8	65 - 135		D	%Rec	10	09/28/21 11:08:06
Total Metals by EPA Method 6020B				Batch ID: 33833			Analyst: EH
Copper	24.0	9.68	1.81	D	mg/Kg-dry	10	09/28/21 14:36:02
Sample Moisture (Percent Moisture)				Batch ID: R70105			Analyst: ALB
Percent Moisture	19.9	0.500	0.100		wt%	1	09/24/21 10:09:53

Client: Shannon & Wilson
Collection Date: 9/23/2021 10:45:00 AM
Project: 8801- Excavations
Lab ID: 2109394-005
Matrix: Soil
Client Sample ID: **A3-SIDE3:2.5**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33821			Analyst: SB
Aroclor 1016	ND	0.0372	0.00599		mg/Kg-dry	1	09/28/21 10:00:58
Aroclor 1221	ND	0.0372	0.00599		mg/Kg-dry	1	09/28/21 10:00:58
Aroclor 1232	ND	0.0372	0.00599		mg/Kg-dry	1	09/28/21 10:00:58
Aroclor 1242	ND	0.0372	0.00599		mg/Kg-dry	1	09/28/21 10:00:58
Aroclor 1248	ND	0.0372	0.00739		mg/Kg-dry	1	09/28/21 10:00:58
Aroclor 1254	0.0797	0.0372	0.00739		mg/Kg-dry	1	09/28/21 10:00:58
Aroclor 1260	ND	0.0372	0.00739		mg/Kg-dry	1	09/28/21 10:00:58
Aroclor 1262	ND	0.0372	0.00739		mg/Kg-dry	1	09/28/21 10:00:58
Aroclor 1268	ND	0.0372	0.00739		mg/Kg-dry	1	09/28/21 10:00:58
Total PCBs	0.0797	0.0372	0.00739		mg/Kg-dry	1	09/28/21 10:00:58
Surr: Decachlorobiphenyl	108	20.6 - 142			%Rec	1	09/28/21 10:00:58
Surr: Tetrachloro-m-xylene	94.4	22 - 157			%Rec	1	09/28/21 10:00:58
Gasoline by NWTPH-Gx				Batch ID: 33832			Analyst: CR
Gasoline	ND	6.61	2.64		mg/Kg-dry	1	09/27/21 13:21:18
Gasoline Range Organics (C6-C12)	25.0	6.61	1.02		mg/Kg-dry	1	09/27/21 13:21:18
Surr: Toluene-d8	98.6	65 - 135			%Rec	1	09/27/21 13:21:18
Surr: 4-Bromofluorobenzene	102	65 - 135			%Rec	1	09/27/21 13:21:18

NOTES:
Gasoline Range Organics - Chromatographic pattern indicates that detection is due to a single non-target compound.

Total Metals by EPA Method 6020B				Batch ID: 33833			Analyst: EH
Copper	719	8.23	1.54	D	mg/Kg-dry	10	09/28/21 14:41:36
Sample Moisture (Percent Moisture)				Batch ID: R70105			Analyst: ALB
Percent Moisture	5.83	0.500	0.100		wt%	1	09/24/21 10:09:53

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109394-006
Client Sample ID: **A3-SIDE3:5**

Collection Date: 9/23/2021 10:50:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33821			Analyst: SB
Aroclor 1016	ND	0.0504	0.00811		mg/Kg-dry	1	09/28/21 10:10:41
Aroclor 1221	ND	0.0504	0.00811		mg/Kg-dry	1	09/28/21 10:10:41
Aroclor 1232	ND	0.0504	0.00811		mg/Kg-dry	1	09/28/21 10:10:41
Aroclor 1242	ND	0.0504	0.00811		mg/Kg-dry	1	09/28/21 10:10:41
Aroclor 1248	ND	0.0504	0.0100		mg/Kg-dry	1	09/28/21 10:10:41
Aroclor 1254	ND	0.0504	0.0100		mg/Kg-dry	1	09/28/21 10:10:41
Aroclor 1260	ND	0.0504	0.0100		mg/Kg-dry	1	09/28/21 10:10:41
Aroclor 1262	ND	0.0504	0.0100		mg/Kg-dry	1	09/28/21 10:10:41
Aroclor 1268	ND	0.0504	0.0100		mg/Kg-dry	1	09/28/21 10:10:41
Total PCBs	ND	0.0504	0.0100		mg/Kg-dry	1	09/28/21 10:10:41
Surr: Decachlorobiphenyl	54.3	20.6 - 142			%Rec	1	09/28/21 10:10:41
Surr: Tetrachloro-m-xylene	39.3	22 - 157			%Rec	1	09/28/21 10:10:41
Gasoline by NWTPH-Gx				Batch ID: 33832			Analyst: CR
Gasoline	6.92	6.82	2.72		mg/Kg-dry	1	09/27/21 13:52:20
Surr: Toluene-d8	97.5	65 - 135			%Rec	1	09/27/21 13:52:20
Surr: 4-Bromofluorobenzene	101	65 - 135			%Rec	1	09/27/21 13:52:20
Total Metals by EPA Method 6020B				Batch ID: 33833			Analyst: EH
Copper	2.73	1.07	0.200		mg/Kg-dry	1	09/28/21 15:21:48
Sample Moisture (Percent Moisture)				Batch ID: R70105			Analyst: ALB
Percent Moisture	26.5	0.500	0.100		wt%	1	09/24/21 10:09:53

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109394-007
Client Sample ID: **A3-SIDE8:2.5**

Collection Date: 9/23/2021 1:45:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33821			Analyst: SB
Aroclor 1016	ND	0.0408	0.00657		mg/Kg-dry	1	09/28/21 10:20:26
Aroclor 1221	ND	0.0408	0.00657		mg/Kg-dry	1	09/28/21 10:20:26
Aroclor 1232	ND	0.0408	0.00657		mg/Kg-dry	1	09/28/21 10:20:26
Aroclor 1242	ND	0.0408	0.00657		mg/Kg-dry	1	09/28/21 10:20:26
Aroclor 1248	ND	0.0408	0.00810		mg/Kg-dry	1	09/28/21 10:20:26
Aroclor 1254	0.567	0.0408	0.00810		mg/Kg-dry	1	09/28/21 10:20:26
Aroclor 1260	ND	0.0408	0.00810		mg/Kg-dry	1	09/28/21 10:20:26
Aroclor 1262	ND	0.0408	0.00810		mg/Kg-dry	1	09/28/21 10:20:26
Aroclor 1268	ND	0.0408	0.00810		mg/Kg-dry	1	09/28/21 10:20:26
Total PCBs	0.567	0.0408	0.00810		mg/Kg-dry	1	09/28/21 10:20:26
Surr: Decachlorobiphenyl	102	20.6 - 142			%Rec	1	09/28/21 10:20:26
Surr: Tetrachloro-m-xylene	100	22 - 157			%Rec	1	09/28/21 10:20:26
Gasoline by NWTPH-Gx				Batch ID: 33832			Analyst: CR
Gasoline	5.96	7.44	2.97	J	mg/Kg-dry	1	09/27/21 14:23:20
Surr: Toluene-d8	97.8	65 - 135			%Rec	1	09/27/21 14:23:20
Surr: 4-Bromofluorobenzene	98.1	65 - 135			%Rec	1	09/27/21 14:23:20
Total Metals by EPA Method 6020B				Batch ID: 33833			Analyst: EH
Copper	177	0.857	0.160		mg/Kg-dry	1	09/28/21 15:27:22
Sample Moisture (Percent Moisture)				Batch ID: R70105			Analyst: ALB
Percent Moisture	6.65	0.500	0.100		wt%	1	09/24/21 10:09:53

Analytical Report

Work Order: **2109394**
Date Reported: **10/7/2021**

Client: Shannon & Wilson
Collection Date: 9/23/2021 1:50:00 PM
Project: 8801- Excavations
Lab ID: 2109394-008
Matrix: Soil
Client Sample ID: **A3-SIDE8:5**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33821			Analyst: SB
Aroclor 1016	ND	0.0385	0.00620		mg/Kg-dry	1	09/28/21 10:30:08
Aroclor 1221	ND	0.0385	0.00620		mg/Kg-dry	1	09/28/21 10:30:08
Aroclor 1232	ND	0.0385	0.00620		mg/Kg-dry	1	09/28/21 10:30:08
Aroclor 1242	ND	0.0385	0.00620		mg/Kg-dry	1	09/28/21 10:30:08
Aroclor 1248	ND	0.0385	0.00765		mg/Kg-dry	1	09/28/21 10:30:08
Aroclor 1254	ND	0.0385	0.00765		mg/Kg-dry	1	09/28/21 10:30:08
Aroclor 1260	ND	0.0385	0.00765		mg/Kg-dry	1	09/28/21 10:30:08
Aroclor 1262	ND	0.0385	0.00765		mg/Kg-dry	1	09/28/21 10:30:08
Aroclor 1268	ND	0.0385	0.00765		mg/Kg-dry	1	09/28/21 10:30:08
Total PCBs	ND	0.0385	0.00765		mg/Kg-dry	1	09/28/21 10:30:08
Surr: Decachlorobiphenyl	103	20.6 - 142			%Rec	1	09/28/21 10:30:08
Surr: Tetrachloro-m-xylene	96.8	22 - 157			%Rec	1	09/28/21 10:30:08
Gasoline by NWTPH-Gx				Batch ID: 33832			Analyst: CR
Gasoline	ND	4.73	1.89		mg/Kg-dry	1	09/27/21 14:54:16
Surr: Toluene-d8	98.5	65 - 135			%Rec	1	09/27/21 14:54:16
Surr: 4-Bromofluorobenzene	102	65 - 135			%Rec	1	09/27/21 14:54:16
Total Metals by EPA Method 6020B				Batch ID: 33833			Analyst: EH
Copper	3.35	0.816	0.153		mg/Kg-dry	1	09/28/21 15:32:56
Sample Moisture (Percent Moisture)				Batch ID: R70105			Analyst: ALB
Percent Moisture	2.78	0.500	0.100		wt%	1	09/24/21 10:09:53

Analytical Report

Work Order: **2109394**
Date Reported: **10/7/2021**

Client: Shannon & Wilson
Collection Date: 9/23/2021 1:30:00 PM
Project: 8801- Excavations
Lab ID: 2109394-009
Matrix: Soil
Client Sample ID: **A3-SIDE9:2.5**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33821			Analyst: SB
Aroclor 1016	ND	0.0382	0.00616		mg/Kg-dry	1	09/28/21 10:39:48
Aroclor 1221	ND	0.0382	0.00616		mg/Kg-dry	1	09/28/21 10:39:48
Aroclor 1232	ND	0.0382	0.00616		mg/Kg-dry	1	09/28/21 10:39:48
Aroclor 1242	ND	0.0382	0.00616		mg/Kg-dry	1	09/28/21 10:39:48
Aroclor 1248	ND	0.0382	0.00760		mg/Kg-dry	1	09/28/21 10:39:48
Aroclor 1254	0.527	0.0382	0.00760		mg/Kg-dry	1	09/28/21 10:39:48
Aroclor 1260	ND	0.0382	0.00760		mg/Kg-dry	1	09/28/21 10:39:48
Aroclor 1262	ND	0.0382	0.00760		mg/Kg-dry	1	09/28/21 10:39:48
Aroclor 1268	ND	0.0382	0.00760		mg/Kg-dry	1	09/28/21 10:39:48
Total PCBs	0.527	0.0382	0.00760		mg/Kg-dry	1	09/28/21 10:39:48
Surr: Decachlorobiphenyl	103	20.6 - 142			%Rec	1	09/28/21 10:39:48
Surr: Tetrachloro-m-xylene	77.2	22 - 157			%Rec	1	09/28/21 10:39:48
Gasoline by NWTPH-Gx				Batch ID: 33832			Analyst: CR
Gasoline	4.02	5.18	2.07	J	mg/Kg-dry	1	09/27/21 15:25:25
Surr: Toluene-d8	99.5	65 - 135			%Rec	1	09/27/21 15:25:25
Surr: 4-Bromofluorobenzene	104	65 - 135			%Rec	1	09/27/21 15:25:25
Total Metals by EPA Method 6020B				Batch ID: 33833			Analyst: EH
Copper	149	0.796	0.149		mg/Kg-dry	1	09/28/21 15:38:29
Sample Moisture (Percent Moisture)				Batch ID: R70105			Analyst: ALB
Percent Moisture	4.82	0.500	0.100		wt%	1	09/24/21 10:09:53

Analytical Report

Work Order: **2109394**
Date Reported: **10/7/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109394-010
Client Sample ID: **A3-SIDE9:5**

Collection Date: 9/23/2021 1:35:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33821			Analyst: SB
Aroclor 1016	ND	0.0384	0.00618		mg/Kg-dry	1	09/28/21 10:49:29
Aroclor 1221	ND	0.0384	0.00618		mg/Kg-dry	1	09/28/21 10:49:29
Aroclor 1232	ND	0.0384	0.00618		mg/Kg-dry	1	09/28/21 10:49:29
Aroclor 1242	ND	0.0384	0.00618		mg/Kg-dry	1	09/28/21 10:49:29
Aroclor 1248	ND	0.0384	0.00762		mg/Kg-dry	1	09/28/21 10:49:29
Aroclor 1254	0.369	0.0384	0.00762		mg/Kg-dry	1	09/28/21 10:49:29
Aroclor 1260	ND	0.0384	0.00762		mg/Kg-dry	1	09/28/21 10:49:29
Aroclor 1262	ND	0.0384	0.00762		mg/Kg-dry	1	09/28/21 10:49:29
Aroclor 1268	ND	0.0384	0.00762		mg/Kg-dry	1	09/28/21 10:49:29
Total PCBs	0.369	0.0384	0.00762		mg/Kg-dry	1	09/28/21 10:49:29
Surr: Decachlorobiphenyl	105	20.6 - 142			%Rec	1	09/28/21 10:49:29
Surr: Tetrachloro-m-xylene	108	22 - 157			%Rec	1	09/28/21 10:49:29
Gasoline by NWTPH-Gx				Batch ID: 33832			Analyst: CR
Gasoline	10.4	6.33	2.53		mg/Kg-dry	1	09/27/21 15:56:26
Surr: Toluene-d8	98.2	65 - 135			%Rec	1	09/27/21 15:56:26
Surr: 4-Bromofluorobenzene	104	65 - 135			%Rec	1	09/27/21 15:56:26
Total Metals by EPA Method 6020B				Batch ID: 33874			Analyst: EH
Copper	676	8.58	1.61	D	mg/Kg-dry	10	09/30/21 12:01:38
Sample Moisture (Percent Moisture)				Batch ID: R70105			Analyst: ALB
Percent Moisture	11.7	0.500	0.100		wt%	1	09/24/21 10:09:53

Client: Shannon & Wilson
Collection Date: 9/23/2021 1:15:00 PM
Project: 8801- Excavations
Lab ID: 2109394-011
Matrix: Soil
Client Sample ID: **A3-SIDE10:2.5**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33821			Analyst: SB
Aroclor 1016	ND	0.0382	0.00615		mg/Kg-dry	1	09/28/21 11:18:36
Aroclor 1221	ND	0.0382	0.00615		mg/Kg-dry	1	09/28/21 11:18:36
Aroclor 1232	ND	0.0382	0.00615		mg/Kg-dry	1	09/28/21 11:18:36
Aroclor 1242	ND	0.0382	0.00615		mg/Kg-dry	1	09/28/21 11:18:36
Aroclor 1248	ND	0.0382	0.00759		mg/Kg-dry	1	09/28/21 11:18:36
Aroclor 1254	0.889	0.0382	0.00759		mg/Kg-dry	1	09/28/21 11:18:36
Aroclor 1260	ND	0.0382	0.00759		mg/Kg-dry	1	09/28/21 11:18:36
Aroclor 1262	ND	0.0382	0.00759		mg/Kg-dry	1	09/28/21 11:18:36
Aroclor 1268	ND	0.0382	0.00759		mg/Kg-dry	1	09/28/21 11:18:36
Total PCBs	0.889	0.0382	0.00759		mg/Kg-dry	1	09/28/21 11:18:36
Surr: Decachlorobiphenyl	115	20.6 - 142			%Rec	1	09/28/21 11:18:36
Surr: Tetrachloro-m-xylene	122	22 - 157			%Rec	1	09/28/21 11:18:36
Gasoline by NWTPH-Gx				Batch ID: 33832			Analyst: CR
Gasoline	ND	5.94	2.37		mg/Kg-dry	1	09/27/21 16:27:37
Gasoline Range Organics (C6-C12)	10.2	5.94	0.915		mg/Kg-dry	1	09/27/21 16:27:37
Surr: Toluene-d8	98.4	65 - 135			%Rec	1	09/27/21 16:27:37
Surr: 4-Bromofluorobenzene	104	65 - 135			%Rec	1	09/27/21 16:27:37

NOTES:
Gasoline Range Organics - Chromatographic pattern indicates that detection is due to a single non-target compound.

Total Metals by EPA Method 6020B				Batch ID: 33874			Analyst: EH
Copper	240	80.7	15.1	D	mg/Kg-dry	100	09/30/21 12:07:12
Sample Moisture (Percent Moisture)				Batch ID: R70105			Analyst: ALB
Percent Moisture	10.8	0.500	0.100		wt%	1	09/24/21 10:09:53

Analytical Report

Work Order: **2109394**
Date Reported: **10/7/2021**

Client: Shannon & Wilson
Collection Date: 9/23/2021 1:20:00 PM
Project: 8801- Excavations
Lab ID: 2109394-012
Matrix: Soil
Client Sample ID: **A3-SIDE10:5**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33821			Analyst: SB
Aroclor 1016	ND	0.0453	0.00730		mg/Kg-dry	1	09/28/21 11:28:15
Aroclor 1221	ND	0.0453	0.00730		mg/Kg-dry	1	09/28/21 11:28:15
Aroclor 1232	ND	0.0453	0.00730		mg/Kg-dry	1	09/28/21 11:28:15
Aroclor 1242	ND	0.0453	0.00730		mg/Kg-dry	1	09/28/21 11:28:15
Aroclor 1248	ND	0.0453	0.00900		mg/Kg-dry	1	09/28/21 11:28:15
Aroclor 1254	0.00943	0.0453	0.00900	J	mg/Kg-dry	1	09/28/21 11:28:15
Aroclor 1260	ND	0.0453	0.00900		mg/Kg-dry	1	09/28/21 11:28:15
Aroclor 1262	ND	0.0453	0.00900		mg/Kg-dry	1	09/28/21 11:28:15
Aroclor 1268	ND	0.0453	0.00900		mg/Kg-dry	1	09/28/21 11:28:15
Total PCBs	0.00943	0.0453	0.00900	J	mg/Kg-dry	1	09/28/21 11:28:15
Surr: Decachlorobiphenyl	87.5	20.6 - 142			%Rec	1	09/28/21 11:28:15
Surr: Tetrachloro-m-xylene	92.5	22 - 157			%Rec	1	09/28/21 11:28:15
Gasoline by NWTPH-Gx				Batch ID: 33832			Analyst: CR
Gasoline	5.63	7.52	3.00	J	mg/Kg-dry	1	09/27/21 23:10:37
Surr: Toluene-d8	97.5	65 - 135			%Rec	1	09/27/21 23:10:37
Surr: 4-Bromofluorobenzene	99.1	65 - 135			%Rec	1	09/27/21 23:10:37
Total Metals by EPA Method 6020B				Batch ID: 33834			Analyst: EH
Copper	98.9	9.61	1.80	DQ	mg/Kg-dry	10	09/28/21 21:28:41

NOTES:
Q - Associated calibration verification is above acceptance criteria (112%). Result may be high-biased.

Sample Moisture (Percent Moisture)				Batch ID: R70105			Analyst: ALB
Percent Moisture	18.7	0.500	0.100		wt%	1	09/24/21 10:09:53

Client: Shannon & Wilson
Collection Date: 9/23/2021 1:00:00 PM
Project: 8801- Excavations
Lab ID: 2109394-013
Matrix: Soil
Client Sample ID: **A3-SIDE11:2.5**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33821			Analyst: SB
Aroclor 1016	ND	0.0370	0.00596		mg/Kg-dry	1	09/28/21 11:37:55
Aroclor 1221	ND	0.0370	0.00596		mg/Kg-dry	1	09/28/21 11:37:55
Aroclor 1232	ND	0.0370	0.00596		mg/Kg-dry	1	09/28/21 11:37:55
Aroclor 1242	ND	0.0370	0.00596		mg/Kg-dry	1	09/28/21 11:37:55
Aroclor 1248	ND	0.0370	0.00735		mg/Kg-dry	1	09/28/21 11:37:55
Aroclor 1254	ND	0.0370	0.00735		mg/Kg-dry	1	09/28/21 11:37:55
Aroclor 1260	ND	0.0370	0.00735		mg/Kg-dry	1	09/28/21 11:37:55
Aroclor 1262	ND	0.0370	0.00735		mg/Kg-dry	1	09/28/21 11:37:55
Aroclor 1268	ND	0.0370	0.00735		mg/Kg-dry	1	09/28/21 11:37:55
Total PCBs	ND	0.0370	0.00735		mg/Kg-dry	1	09/28/21 11:37:55
Surr: Decachlorobiphenyl	109	20.6 - 142			%Rec	1	09/28/21 11:37:55
Surr: Tetrachloro-m-xylene	107	22 - 157			%Rec	1	09/28/21 11:37:55
Gasoline by NWTPH-Gx				Batch ID: 33832			Analyst: CR
Gasoline	17.9	6.58	2.63		mg/Kg-dry	1	09/27/21 23:41:31
Surr: Toluene-d8	99.3	65 - 135			%Rec	1	09/27/21 23:41:31
Surr: 4-Bromofluorobenzene	104	65 - 135			%Rec	1	09/27/21 23:41:31
Total Metals by EPA Method 6020B				Batch ID: 33834			Analyst: EH
Copper	24.5	8.13	1.52	DQ	mg/Kg-dry	10	09/28/21 21:34:16

NOTES:
Q - Associated calibration verification is above acceptance criteria (112%). Result may be high-biased.

Sample Moisture (Percent Moisture)				Batch ID: R70105			Analyst: ALB
Percent Moisture	3.86	0.500	0.100		wt%	1	09/24/21 10:09:53

Client: Shannon & Wilson
Collection Date: 9/23/2021 1:05:00 PM
Project: 8801- Excavations
Lab ID: 2109394-014
Matrix: Soil
Client Sample ID: **A3-SIDE11:5**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33821			Analyst: SB
Aroclor 1016	ND	0.0611	0.00985		mg/Kg-dry	1	09/28/21 11:57:22
Aroclor 1221	ND	0.0611	0.00985		mg/Kg-dry	1	09/28/21 11:57:22
Aroclor 1232	ND	0.0611	0.00985		mg/Kg-dry	1	09/28/21 11:57:22
Aroclor 1242	ND	0.0611	0.00985		mg/Kg-dry	1	09/28/21 11:57:22
Aroclor 1248	ND	0.0611	0.0121		mg/Kg-dry	1	09/28/21 11:57:22
Aroclor 1254	ND	0.0611	0.0121		mg/Kg-dry	1	09/28/21 11:57:22
Aroclor 1260	ND	0.0611	0.0121		mg/Kg-dry	1	09/28/21 11:57:22
Aroclor 1262	ND	0.0611	0.0121		mg/Kg-dry	1	09/28/21 11:57:22
Aroclor 1268	ND	0.0611	0.0121		mg/Kg-dry	1	09/28/21 11:57:22
Total PCBs	ND	0.0611	0.0121		mg/Kg-dry	1	09/28/21 11:57:22
Surr: Decachlorobiphenyl	45.1	20.6 - 142			%Rec	1	09/28/21 11:57:22
Surr: Tetrachloro-m-xylene	36.3	22 - 157			%Rec	1	09/28/21 11:57:22
Gasoline by NWTPH-Gx				Batch ID: 33832			Analyst: CR
Gasoline	18.3	10.2	4.07		mg/Kg-dry	1	09/28/21 0:12:33
Surr: Toluene-d8	96.2	65 - 135			%Rec	1	09/28/21 0:12:33
Surr: 4-Bromofluorobenzene	103	65 - 135			%Rec	1	09/28/21 0:12:33
Total Metals by EPA Method 6020B				Batch ID: 33834			Analyst: EH
Copper	59.9	12.5	2.35	DQ	mg/Kg-dry	10	09/28/21 21:39:50

NOTES:
Q - Associated calibration verification is above acceptance criteria (112%). Result may be high-biased.

Sample Moisture (Percent Moisture)				Batch ID: R70105			Analyst: ALB
Percent Moisture	37.7	0.500	0.100		wt%	1	09/24/21 10:09:53

Analytical Report

Work Order: **2109394**
Date Reported: **10/7/2021**

Client: Shannon & Wilson
Collection Date: 9/23/2021 12:45:00 PM
Project: 8801- Excavations
Lab ID: 2109394-015
Matrix: Soil
Client Sample ID: **A3-SIDE12:2.5**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33821			Analyst: SB
Aroclor 1016	ND	0.0367	0.00591		mg/Kg-dry	1	09/28/21 12:07:02
Aroclor 1221	ND	0.0367	0.00591		mg/Kg-dry	1	09/28/21 12:07:02
Aroclor 1232	ND	0.0367	0.00591		mg/Kg-dry	1	09/28/21 12:07:02
Aroclor 1242	ND	0.0367	0.00591		mg/Kg-dry	1	09/28/21 12:07:02
Aroclor 1248	ND	0.0367	0.00729		mg/Kg-dry	1	09/28/21 12:07:02
Aroclor 1254	ND	0.0367	0.00729		mg/Kg-dry	1	09/28/21 12:07:02
Aroclor 1260	ND	0.0367	0.00729		mg/Kg-dry	1	09/28/21 12:07:02
Aroclor 1262	ND	0.0367	0.00729		mg/Kg-dry	1	09/28/21 12:07:02
Aroclor 1268	ND	0.0367	0.00729		mg/Kg-dry	1	09/28/21 12:07:02
Total PCBs	ND	0.0367	0.00729		mg/Kg-dry	1	09/28/21 12:07:02
Surr: Decachlorobiphenyl	106	20.6 - 142			%Rec	1	09/28/21 12:07:02
Surr: Tetrachloro-m-xylene	113	22 - 157			%Rec	1	09/28/21 12:07:02
Gasoline by NWTPH-Gx				Batch ID: 33832			Analyst: CR
Gasoline	149	53.9	21.5	D	mg/Kg-dry	10	09/28/21 10:37:04
Surr: Toluene-d8	105	65 - 135		D	%Rec	10	09/28/21 10:37:04
Surr: 4-Bromofluorobenzene	97.1	65 - 135		D	%Rec	10	09/28/21 10:37:04
Total Metals by EPA Method 6020B				Batch ID: 33834			Analyst: EH
Copper	80.3	8.16	1.53	D	mg/Kg-dry	10	09/28/21 20:49:41
Sample Moisture (Percent Moisture)				Batch ID: R70105			Analyst: ALB
Percent Moisture	4.21	0.500	0.100		wt%	1	09/24/21 10:09:53

Analytical Report

Work Order: **2109394**
Date Reported: **10/7/2021**

Client: Shannon & Wilson
Collection Date: 9/23/2021 12:50:00 PM
Project: 8801- Excavations
Lab ID: 2109394-016
Matrix: Soil
Client Sample ID: **A3-SIDE12:5**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33821			Analyst: SB
Aroclor 1016	ND	0.0436	0.00702		mg/Kg-dry	1	09/28/21 12:16:53
Aroclor 1221	ND	0.0436	0.00702		mg/Kg-dry	1	09/28/21 12:16:53
Aroclor 1232	ND	0.0436	0.00702		mg/Kg-dry	1	09/28/21 12:16:53
Aroclor 1242	ND	0.0436	0.00702		mg/Kg-dry	1	09/28/21 12:16:53
Aroclor 1248	ND	0.0436	0.00866		mg/Kg-dry	1	09/28/21 12:16:53
Aroclor 1254	ND	0.0436	0.00866		mg/Kg-dry	1	09/28/21 12:16:53
Aroclor 1260	ND	0.0436	0.00866		mg/Kg-dry	1	09/28/21 12:16:53
Aroclor 1262	ND	0.0436	0.00866		mg/Kg-dry	1	09/28/21 12:16:53
Aroclor 1268	ND	0.0436	0.00866		mg/Kg-dry	1	09/28/21 12:16:53
Total PCBs	ND	0.0436	0.00866		mg/Kg-dry	1	09/28/21 12:16:53
Surr: Decachlorobiphenyl	259	20.6 - 142		S	%Rec	1	09/28/21 12:16:53
Surr: Tetrachloro-m-xylene	308	22 - 157		S	%Rec	1	09/28/21 12:16:53

NOTES:
S - Outlying surrogate recovery(ies) observed (high bias). Sample is non-detect; result meets QC requirements.

Gasoline by NWTPH-Gx				Batch ID: 33832			Analyst: CR
Gasoline	33.0	6.77	2.70		mg/Kg-dry	1	09/28/21 9:04:14
Surr: Toluene-d8	98.9	65 - 135			%Rec	1	09/28/21 9:04:14
Surr: 4-Bromofluorobenzene	104	65 - 135			%Rec	1	09/28/21 9:04:14
Total Metals by EPA Method 6020B				Batch ID: 33834			Analyst: EH
Copper	23.8	9.39	1.76	DQ	mg/Kg-dry	10	09/28/21 21:45:24

NOTES:
Q - Associated calibration verification is above acceptance criteria (112%). Result may be high-biased.

Sample Moisture (Percent Moisture)				Batch ID: R70105			Analyst: ALB
Percent Moisture	14.2	0.500	0.100		wt%	1	09/24/21 10:09:53

Client: Shannon & Wilson
Collection Date: 9/23/2021 11:05:00 AM
Project: 8801- Excavations
Lab ID: 2109394-017
Matrix: Soil
Client Sample ID: **A3-BOT13:6**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33821			Analyst: SB
Aroclor 1016	ND	0.0422	0.00680		mg/Kg-dry	1	09/28/21 12:26:34
Aroclor 1221	ND	0.0422	0.00680		mg/Kg-dry	1	09/28/21 12:26:34
Aroclor 1232	ND	0.0422	0.00680		mg/Kg-dry	1	09/28/21 12:26:34
Aroclor 1242	ND	0.0422	0.00680		mg/Kg-dry	1	09/28/21 12:26:34
Aroclor 1248	ND	0.0422	0.00839		mg/Kg-dry	1	09/28/21 12:26:34
Aroclor 1254	ND	0.0422	0.00839		mg/Kg-dry	1	09/28/21 12:26:34
Aroclor 1260	ND	0.0422	0.00839		mg/Kg-dry	1	09/28/21 12:26:34
Aroclor 1262	ND	0.0422	0.00839		mg/Kg-dry	1	09/28/21 12:26:34
Aroclor 1268	ND	0.0422	0.00839		mg/Kg-dry	1	09/28/21 12:26:34
Total PCBs	ND	0.0422	0.00839		mg/Kg-dry	1	09/28/21 12:26:34
Surr: Decachlorobiphenyl	160	20.6 - 142		S	%Rec	1	09/28/21 12:26:34
Surr: Tetrachloro-m-xylene	174	22 - 157		S	%Rec	1	09/28/21 12:26:34

NOTES:
S - Outlying surrogate recovery(ies) observed (high bias). Sample is non-detect; result meets QC requirements.

Gasoline by NWTPH-Gx				Batch ID: 33832			Analyst: CR
Gasoline	ND	7.03	2.81		mg/Kg-dry	1	09/28/21 1:45:23
Gasoline Range Organics (C6-C12)	24.5	7.03	1.08		mg/Kg-dry	1	09/28/21 1:45:23
Surr: Toluene-d8	99.0	65 - 135			%Rec	1	09/28/21 1:45:23
Surr: 4-Bromofluorobenzene	103	65 - 135			%Rec	1	09/28/21 1:45:23

NOTES:
Gasoline Range Organics - Chromatographic pattern indicates that detection is due to a two non-target compounds and also a patte that does not resemble a known petroleum distillate.

Total Metals by EPA Method 6020B				Batch ID: 33834			Analyst: EH
Copper	16.3	9.39	1.76	DQ	mg/Kg-dry	10	09/28/21 21:50:58

NOTES:
Q - Associated calibration verification is above acceptance criteria (112%). Result may be high-biased.

Sample Moisture (Percent Moisture)				Batch ID: R70105			Analyst: ALB
Percent Moisture	14.1	0.500	0.100		wt%	1	09/24/21 10:09:53

Analytical Report

Work Order: **2109394**
Date Reported: **10/7/2021**

Client: Shannon & Wilson
Collection Date: 9/23/2021 11:10:00 AM
Project: 8801- Excavations
Lab ID: 2109394-018
Matrix: Soil
Client Sample ID: **A3-BOT14:6**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33821			Analyst: SB
Aroclor 1016	ND	0.0454	0.00732		mg/Kg-dry	1	09/28/21 12:36:13
Aroclor 1221	ND	0.0454	0.00732		mg/Kg-dry	1	09/28/21 12:36:13
Aroclor 1232	ND	0.0454	0.00732		mg/Kg-dry	1	09/28/21 12:36:13
Aroclor 1242	ND	0.0454	0.00732		mg/Kg-dry	1	09/28/21 12:36:13
Aroclor 1248	ND	0.0454	0.00903		mg/Kg-dry	1	09/28/21 12:36:13
Aroclor 1254	ND	0.0454	0.00903		mg/Kg-dry	1	09/28/21 12:36:13
Aroclor 1260	ND	0.0454	0.00903		mg/Kg-dry	1	09/28/21 12:36:13
Aroclor 1262	ND	0.0454	0.00903		mg/Kg-dry	1	09/28/21 12:36:13
Aroclor 1268	ND	0.0454	0.00903		mg/Kg-dry	1	09/28/21 12:36:13
Total PCBs	ND	0.0454	0.00903		mg/Kg-dry	1	09/28/21 12:36:13
Surr: Decachlorobiphenyl	146	20.6 - 142		S	%Rec	1	09/28/21 12:36:13
Surr: Tetrachloro-m-xylene	147	22 - 157			%Rec	1	09/28/21 12:36:13

NOTES:
S - Outlying surrogate recovery(ies) observed (high bias). Sample is non-detect; result meets QC requirements.

Gasoline by NWTPH-Gx				Batch ID: 33832			Analyst: CR
Gasoline	26.1	7.81	3.12		mg/Kg-dry	1	09/28/21 2:16:21
Surr: Toluene-d8	98.7	65 - 135			%Rec	1	09/28/21 2:16:21
Surr: 4-Bromofluorobenzene	105	65 - 135			%Rec	1	09/28/21 2:16:21
Total Metals by EPA Method 6020B				Batch ID: 33834			Analyst: EH
Copper	18.7	9.44	1.77	DQ	mg/Kg-dry	10	09/28/21 21:56:32

NOTES:
Q - Associated calibration verification is above acceptance criteria (112%). Result may be high-biased.

Sample Moisture (Percent Moisture)				Batch ID: R70105			Analyst: ALB
Percent Moisture	18.5	0.500	0.100		wt%	1	09/24/21 10:09:53

Client: Shannon & Wilson
Collection Date: 9/23/2021 11:15:00 AM
Project: 8801- Excavations
Lab ID: 2109394-019
Matrix: Soil
Client Sample ID: **A3-BOT15:6**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33821			Analyst: SB
Aroclor 1016	ND	0.0430	0.00693		mg/Kg-dry	1	09/28/21 12:45:59
Aroclor 1221	ND	0.0430	0.00693		mg/Kg-dry	1	09/28/21 12:45:59
Aroclor 1232	ND	0.0430	0.00693		mg/Kg-dry	1	09/28/21 12:45:59
Aroclor 1242	ND	0.0430	0.00693		mg/Kg-dry	1	09/28/21 12:45:59
Aroclor 1248	ND	0.0430	0.00855		mg/Kg-dry	1	09/28/21 12:45:59
Aroclor 1254	ND	0.0430	0.00855		mg/Kg-dry	1	09/28/21 12:45:59
Aroclor 1260	ND	0.0430	0.00855		mg/Kg-dry	1	09/28/21 12:45:59
Aroclor 1262	ND	0.0430	0.00855		mg/Kg-dry	1	09/28/21 12:45:59
Aroclor 1268	ND	0.0430	0.00855		mg/Kg-dry	1	09/28/21 12:45:59
Total PCBs	ND	0.0430	0.00855		mg/Kg-dry	1	09/28/21 12:45:59
Surr: Decachlorobiphenyl	153	20.6 - 142		S	%Rec	1	09/28/21 12:45:59
Surr: Tetrachloro-m-xylene	146	22 - 157			%Rec	1	09/28/21 12:45:59

NOTES:
S - Outlying surrogate recovery(ies) observed (high bias). Sample is non-detect; result meets QC requirements.

Gasoline by NWTPH-Gx				Batch ID: 33832			Analyst: CR
Gasoline	18.9	5.66	2.26		mg/Kg-dry	1	09/28/21 2:47:17
Surr: Toluene-d8	98.3	65 - 135			%Rec	1	09/28/21 2:47:17
Surr: 4-Bromofluorobenzene	104	65 - 135			%Rec	1	09/28/21 2:47:17
Total Metals by EPA Method 6020B				Batch ID: 33834			Analyst: EH
Copper	19.9	9.05	1.69	DQ	mg/Kg-dry	10	09/28/21 22:13:15

NOTES:
Q - Associated calibration verification is above acceptance criteria (113%). Result may be high-biased.

Sample Moisture (Percent Moisture)				Batch ID: R70105			Analyst: ALB
Percent Moisture	12.3	0.500	0.100		wt%	1	09/24/21 10:09:53

Client: Shannon & Wilson
Collection Date: 9/23/2021 11:20:00 AM
Project: 8801- Excavations
Lab ID: 2109394-020
Matrix: Soil
Client Sample ID: **A3-BOT16:6**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33821			Analyst: SB
Aroclor 1016	ND	0.0495	0.00798		mg/Kg-dry	1	09/28/21 12:55:44
Aroclor 1221	ND	0.0495	0.00798		mg/Kg-dry	1	09/28/21 12:55:44
Aroclor 1232	ND	0.0495	0.00798		mg/Kg-dry	1	09/28/21 12:55:44
Aroclor 1242	ND	0.0495	0.00798		mg/Kg-dry	1	09/28/21 12:55:44
Aroclor 1248	ND	0.0495	0.00984		mg/Kg-dry	1	09/28/21 12:55:44
Aroclor 1254	0.246	0.0495	0.00984		mg/Kg-dry	1	09/28/21 12:55:44
Aroclor 1260	ND	0.0495	0.00984		mg/Kg-dry	1	09/28/21 12:55:44
Aroclor 1262	ND	0.0495	0.00984		mg/Kg-dry	1	09/28/21 12:55:44
Aroclor 1268	ND	0.0495	0.00984		mg/Kg-dry	1	09/28/21 12:55:44
Total PCBs	0.246	0.0495	0.00984		mg/Kg-dry	1	09/28/21 12:55:44
Surr: Decachlorobiphenyl	88.5	20.6 - 142			%Rec	1	09/28/21 12:55:44
Surr: Tetrachloro-m-xylene	84.8	22 - 157			%Rec	1	09/28/21 12:55:44
Gasoline by NWTPH-Gx				Batch ID: 33832			Analyst: CR
Gasoline	32.8	6.24	2.49		mg/Kg-dry	1	09/28/21 3:18:19
Surr: Toluene-d8	96.9	65 - 135			%Rec	1	09/28/21 3:18:19
Surr: 4-Bromofluorobenzene	101	65 - 135			%Rec	1	09/28/21 3:18:19
Total Metals by EPA Method 6020B				Batch ID: 33834			Analyst: EH
Copper	727	10.4	1.94	DQ	mg/Kg-dry	10	09/28/21 22:18:49

NOTES:
Q - Associated calibration verification is above acceptance criteria (113%). Result may be high-biased.

Sample Moisture (Percent Moisture)				Batch ID: R70105			Analyst: ALB
Percent Moisture	24.6	0.500	0.100		wt%	1	09/24/21 10:09:53

Work Order: 2109394
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **ICB-33833**	SampType: **ICB**			Units: **µg/L**		Prep Date: **9/28/2021**			RunNo: **70171**	
Client ID: **ICB**	Batch ID: **33833**					Analysis Date: **9/28/2021**			SeqNo: **1423976**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICV-33833**	SampType: **ICV**			Units: **µg/L**		Prep Date: **9/28/2021**			RunNo: **70171**	
Client ID: **ICV**	Batch ID: **33833**					Analysis Date: **9/28/2021**			SeqNo: **1423977**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	102	10.0	100.0	0	102	90	110				

Sample ID: **MB-33833**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **9/27/2021**			RunNo: **70171**	
Client ID: **MBLKS**	Batch ID: **33833**					Analysis Date: **9/28/2021**			SeqNo: **1423981**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.769									

Sample ID: **LCS-33833**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **9/27/2021**			RunNo: **70171**	
Client ID: **LCSS**	Batch ID: **33833**					Analysis Date: **9/28/2021**			SeqNo: **1423982**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	42.3	0.800	40.00	0	106	80	120				

Sample ID: **2109333-002AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **9/27/2021**			RunNo: **70171**	
Client ID: **BATCH**	Batch ID: **33833**					Analysis Date: **9/28/2021**			SeqNo: **1423985**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	57.9	0.815	40.73	14.51	107	75	125				

Work Order: 2109394
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **2109333-002AMSD**	SampType: **MSD**			Units: **mg/Kg-dry**		Prep Date: **9/27/2021**			RunNo: **70171**	
Client ID: **BATCH**	Batch ID: **33833**					Analysis Date: **9/28/2021**			SeqNo: **1423986**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	57.4	0.790	39.51	14.51	109	75	125	57.90	0.889	20	

Sample ID: **CCV-33833A**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/28/2021**			RunNo: **70171**	
Client ID: **CCV**	Batch ID: **33833**					Analysis Date: **9/28/2021**			SeqNo: **1423991**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	105	10.0	100.0	0	105	90	110				

Sample ID: **CCB-33833A**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/28/2021**			RunNo: **70171**	
Client ID: **CCB**	Batch ID: **33833**					Analysis Date: **9/28/2021**			SeqNo: **1423992**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33833B**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/28/2021**			RunNo: **70171**	
Client ID: **CCV**	Batch ID: **33833**					Analysis Date: **9/28/2021**			SeqNo: **1424003**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	105	10.0	100.0	0	105	90	110				

Sample ID: **CCB-33833B**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/28/2021**			RunNo: **70171**	
Client ID: **CCB**	Batch ID: **33833**					Analysis Date: **9/28/2021**			SeqNo: **1424004**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

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QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-33833C**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/28/2021**			RunNo: **70171**	
Client ID: **CCV**	Batch ID: **33833**					Analysis Date: **9/28/2021**			SeqNo: **1424051**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	100	10.0	100.0	0	100	90	110				

Sample ID: **CCB-33833C**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/28/2021**			RunNo: **70171**	
Client ID: **CCB**	Batch ID: **33833**					Analysis Date: **9/28/2021**			SeqNo: **1424052**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICB-33834**	SampType: **ICB**			Units: **µg/L**		Prep Date: **9/28/2021**			RunNo: **70212**	
Client ID: **ICB**	Batch ID: **33834**					Analysis Date: **9/28/2021**			SeqNo: **1424519**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICV-33834**	SampType: **ICV**			Units: **µg/L**		Prep Date: **9/28/2021**			RunNo: **70212**	
Client ID: **ICV**	Batch ID: **33834**					Analysis Date: **9/28/2021**			SeqNo: **1424520**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	105	10.0	100.0	0	105	90	110				

Sample ID: **CCV-33834A**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/28/2021**			RunNo: **70212**	
Client ID: **CCV**	Batch ID: **33834**					Analysis Date: **9/28/2021**			SeqNo: **1424524**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	105	10.0	100.0	0	105	90	110				

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QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCB-33834A**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/28/2021**		RunNo: **70212**	
Client ID: **CCB**	Batch ID: **33834**					Analysis Date: **9/28/2021**		SeqNo: **1424525**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **MB-33834**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **9/27/2021**		RunNo: **70212**	
Client ID: **MBLKS**	Batch ID: **33834**					Analysis Date: **9/28/2021**		SeqNo: **1424526**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	7.87									

Sample ID: **LCS-33834**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **9/27/2021**		RunNo: **70212**	
Client ID: **LCSS**	Batch ID: **33834**					Analysis Date: **9/28/2021**		SeqNo: **1424527**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	42.9	7.69	38.46	0	112	80	120				

Sample ID: **CCV-33834B**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/28/2021**		RunNo: **70212**	
Client ID: **CCV**	Batch ID: **33834**					Analysis Date: **9/28/2021**		SeqNo: **1424529**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	108	10.0	100.0	0	108	90	110				

Sample ID: **CCB-33834B**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/28/2021**		RunNo: **70212**	
Client ID: **CCB**	Batch ID: **33834**					Analysis Date: **9/28/2021**		SeqNo: **1424530**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

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QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **2109394-015AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **9/27/2021**		RunNo: **70212**			
Client ID: **A3-SIDE12:2.5**	Batch ID: **33834**					Analysis Date: **9/28/2021**		SeqNo: **1424532**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	130	8.03	40.15	80.30	123	75	125				

Sample ID: **2109394-015AMSD**	SampType: **MSD**			Units: **mg/Kg-dry**		Prep Date: **9/27/2021**		RunNo: **70212**			
Client ID: **A3-SIDE12:2.5**	Batch ID: **33834**					Analysis Date: **9/28/2021**		SeqNo: **1424533**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	145	8.35	41.76	80.30	155	75	125	129.6	11.2	20	S

NOTES:
S - Outlying spike recovery(ies) observed for Cu

Sample ID: **CCV-33834C**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/28/2021**		RunNo: **70212**			
Client ID: **CCV**	Batch ID: **33834**					Analysis Date: **9/28/2021**		SeqNo: **1424541**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	112	10.0	100.0	0	112	90	110				S

Sample ID: **CCB-33834C**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/28/2021**		RunNo: **70212**			
Client ID: **CCB**	Batch ID: **33834**					Analysis Date: **9/28/2021**		SeqNo: **1424542**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33834D**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/28/2021**		RunNo: **70212**			
Client ID: **CCV**	Batch ID: **33834**					Analysis Date: **9/28/2021**		SeqNo: **1424545**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	113	10.0	100.0	0	113	90	110				S

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Total Metals by EPA Method 6020B

Sample ID: **CCB-33834D**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/28/2021**		RunNo: **70212**	
Client ID: **CCB**	Batch ID: **33834**					Analysis Date: **9/28/2021**		SeqNo: **1424546**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICB-33834A**	SampType: **ICB**			Units: **µg/L**		Prep Date: **9/29/2021**		RunNo: **70212**	
Client ID: **ICB**	Batch ID: **33834**					Analysis Date: **9/29/2021**		SeqNo: **1425327**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICB-33874**	SampType: **ICB**			Units: **µg/L**		Prep Date: **9/29/2021**		RunNo: **70243**	
Client ID: **ICB**	Batch ID: **33874**					Analysis Date: **9/29/2021**		SeqNo: **1425384**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICV-33834A**	SampType: **ICV**			Units: **µg/L**		Prep Date: **9/29/2021**		RunNo: **70212**	
Client ID: **ICV**	Batch ID: **33834**					Analysis Date: **9/29/2021**		SeqNo: **1425328**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	101	10.0	100.0	0	101	90	110				

Sample ID: **ICV-33874**	SampType: **ICV**			Units: **µg/L**		Prep Date: **9/29/2021**		RunNo: **70243**	
Client ID: **ICV**	Batch ID: **33874**					Analysis Date: **9/29/2021**		SeqNo: **1425385**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	101	10.0	100.0	0	101	90	110				

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CLIENT: Shannon & Wilson
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Total Metals by EPA Method 6020B

Sample ID: **CCV-33834E**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/30/2021**		RunNo: **70212**			
Client ID: **CCV**	Batch ID: **33834**					Analysis Date: **9/30/2021**		SeqNo: **1425332**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	92.9	10.0	100.0	0	92.9	90	110				

Sample ID: **CCB-33834E**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/30/2021**		RunNo: **70212**			
Client ID: **CCB**	Batch ID: **33834**					Analysis Date: **9/30/2021**		SeqNo: **1425333**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33834F**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/30/2021**		RunNo: **70212**			
Client ID: **CCV**	Batch ID: **33834**					Analysis Date: **9/30/2021**		SeqNo: **1425339**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	93.1	10.0	100.0	0	93.1	90	110				

Sample ID: **CCB-33834F**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/30/2021**		RunNo: **70212**			
Client ID: **CCB**	Batch ID: **33834**					Analysis Date: **9/30/2021**		SeqNo: **1425340**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33834G**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/30/2021**		RunNo: **70212**			
Client ID: **CCV**	Batch ID: **33834**					Analysis Date: **9/30/2021**		SeqNo: **1425346**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	90.8	10.0	100.0	0	90.8	90	110				

Work Order: 2109394
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCB-33834G**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/30/2021**		RunNo: **70212**	
Client ID: **CCB**	Batch ID: **33834**					Analysis Date: **9/30/2021**		SeqNo: **1425347**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33874A**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/30/2021**		RunNo: **70243**	
Client ID: **CCV**	Batch ID: **33874**					Analysis Date: **9/30/2021**		SeqNo: **1425389**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	91.6	10.0	100.0	0	91.6	90	110				

Sample ID: **CCB-33874A**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/30/2021**		RunNo: **70243**	
Client ID: **CCB**	Batch ID: **33874**					Analysis Date: **9/30/2021**		SeqNo: **1425390**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **MB-33874**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **9/29/2021**		RunNo: **70243**	
Client ID: **MBLKS**	Batch ID: **33874**					Analysis Date: **9/30/2021**		SeqNo: **1425391**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.800									

Sample ID: **LCS-33874**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **9/29/2021**		RunNo: **70243**	
Client ID: **LCSS**	Batch ID: **33874**					Analysis Date: **9/30/2021**		SeqNo: **1425392**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	36.5	0.763	38.17	0	95.5	80	120				

Work Order: 2109394
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **2109376-041AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **9/29/2021**			RunNo: **70243**	
Client ID: **BATCH**	Batch ID: **33874**					Analysis Date: **9/30/2021**			SeqNo: **1425395**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	38.9	0.754	37.68	8.022	81.9	75	125				

Sample ID: **2109376-041AMSD**	SampType: **MSD**			Units: **mg/Kg-dry**		Prep Date: **9/29/2021**			RunNo: **70243**	
Client ID: **BATCH**	Batch ID: **33874**					Analysis Date: **9/30/2021**			SeqNo: **1425396**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	43.2	0.793	39.66	8.022	88.7	75	125	38.88	10.5	20	

Sample ID: **CCV-33874B**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/30/2021**			RunNo: **70243**	
Client ID: **CCV**	Batch ID: **33874**					Analysis Date: **9/30/2021**			SeqNo: **1425398**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	92.4	10.0	100.0	0	92.4	90	110				

Sample ID: **CCB-33874B**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/30/2021**			RunNo: **70243**	
Client ID: **CCB**	Batch ID: **33874**					Analysis Date: **9/30/2021**			SeqNo: **1425399**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33874C**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/30/2021**			RunNo: **70243**	
Client ID: **CCV**	Batch ID: **33874**					Analysis Date: **9/30/2021**			SeqNo: **1425402**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0	100.0	0	9.42	90	110				S

Work Order: 2109394
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCB-33874C**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/30/2021**		RunNo: **70243**	
Client ID: **CCB**	Batch ID: **33874**					Analysis Date: **9/30/2021**		SeqNo: **1425403**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICB-33834B**	SampType: **ICB**			Units: **µg/L**		Prep Date: **9/30/2021**		RunNo: **70212**	
Client ID: **ICB**	Batch ID: **33834**					Analysis Date: **9/30/2021**		SeqNo: **1425650**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICB-33874A**	SampType: **ICB**			Units: **µg/L**		Prep Date: **9/30/2021**		RunNo: **70243**	
Client ID: **ICB**	Batch ID: **33874**					Analysis Date: **9/30/2021**		SeqNo: **1425616**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICV-33834B**	SampType: **ICV**			Units: **µg/L**		Prep Date: **9/30/2021**		RunNo: **70212**	
Client ID: **ICV**	Batch ID: **33834**					Analysis Date: **9/30/2021**		SeqNo: **1425651**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	102	10.0	100.0	0	102	90	110				

Sample ID: **ICV-33874A**	SampType: **ICV**			Units: **µg/L**		Prep Date: **9/30/2021**		RunNo: **70243**	
Client ID: **ICV**	Batch ID: **33874**					Analysis Date: **9/30/2021**		SeqNo: **1425617**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	102	10.0	100.0	0	102	90	110				

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CLIENT: Shannon & Wilson
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QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-33834H**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/30/2021**		RunNo: **70212**			
Client ID: **CCV**	Batch ID: **33834**					Analysis Date: **9/30/2021**		SeqNo: **1425665**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	99.0	10.0	100.0	0	99.0	90	110				

Sample ID: **CCV-33874D**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/30/2021**		RunNo: **70243**			
Client ID: **CCV**	Batch ID: **33874**					Analysis Date: **9/30/2021**		SeqNo: **1425631**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	99.0	10.0	100.0	0	99.0	90	110				

Sample ID: **CCB-33834H**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/30/2021**		RunNo: **70212**			
Client ID: **CCB**	Batch ID: **33834**					Analysis Date: **9/30/2021**		SeqNo: **1425666**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCB-33874D**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/30/2021**		RunNo: **70243**			
Client ID: **CCB**	Batch ID: **33874**					Analysis Date: **9/30/2021**		SeqNo: **1425632**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33834I**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/30/2021**		RunNo: **70212**			
Client ID: **CCV**	Batch ID: **33834**					Analysis Date: **9/30/2021**		SeqNo: **1425677**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	98.5	10.0	100.0	0	98.5	90	110				

Work Order: 2109394
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCB-33834I**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/30/2021**			RunNo: **70212**	
Client ID: **CCB**	Batch ID: **33834**					Analysis Date: **9/30/2021**			SeqNo: **1425678**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33834J**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/30/2021**			RunNo: **70212**	
Client ID: **CCV**	Batch ID: **33834**					Analysis Date: **9/30/2021**			SeqNo: **1426025**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	96.4	10.0	100.0	0	96.4	90	110				

Sample ID: **CCB-33834J**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/30/2021**			RunNo: **70212**	
Client ID: **CCB**	Batch ID: **33834**					Analysis Date: **9/30/2021**			SeqNo: **1426026**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Work Order: 2109394
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1660 ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **7/8/2021**	RunNo: **70158**
Client ID: **ICB**	Batch ID: **R68430**		Analysis Date: **7/8/2021**	SeqNo: **1382611**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1260	ND	0.0500									
Surr: Decachlorobiphenyl	140		200.0		70.1	50.2	159				
Surr: Tetrachloro-m-xylene	142		200.0		71.2	60.3	134				

Sample ID: **1660 ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **7/8/2021**	RunNo: **70158**
Client ID: **ICV**	Batch ID: **R68430**		Analysis Date: **7/8/2021**	SeqNo: **1382612**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.943	0.0500	1.000	0	94.3	80	120				
Aroclor 1260	1.02	0.0500	1.000	0	102	80	120				
Surr: Decachlorobiphenyl	188		200.0		94.0	30.2	155				
Surr: Tetrachloro-m-xylene	171		200.0		85.5	58.8	143				

Sample ID: **1254 ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **7/8/2021**	RunNo: **70158**
Client ID: **ICB**	Batch ID: **R68430**		Analysis Date: **7/8/2021**	SeqNo: **1382621**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	ND	0.0500									
Surr: Decachlorobiphenyl	254		200.0		127	50.2	159				
Surr: Tetrachloro-m-xylene	222		200.0		111	60.3	134				

Sample ID: **1254 ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **7/8/2021**	RunNo: **70158**
Client ID: **ICV**	Batch ID: **R68430**		Analysis Date: **7/8/2021**	SeqNo: **1382622**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.16	0.0500									
Surr: Decachlorobiphenyl	255		200.0		127	30.2	155				
Surr: Tetrachloro-m-xylene	238		200.0		119	58.8	143				

Work Order: 2109394
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1254 ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **7/8/2021**	RunNo: **70158**
Client ID: **ICV**	Batch ID: **R68430**		Analysis Date: **7/8/2021**	SeqNo: **1382622**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **1254-CCV-33821A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **9/27/2021**	RunNo: **70158**
Client ID: **CCV**	Batch ID: **33821**		Analysis Date: **9/27/2021**	SeqNo: **1423224**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.12	0.0500	1.000	0	112	80	120				
Surr: Decachlorobiphenyl	245		200.0		123	30.2	155				
Surr: Tetrachloro-m-xylene	223		200.0		111	58.8	143				

Sample ID: **MB-33821**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **9/24/2021**	RunNo: **70158**
Client ID: **MBLKS**	Batch ID: **33821**		Analysis Date: **9/27/2021**	SeqNo: **1423225**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1221	ND	0.0500									
Aroclor 1232	ND	0.0500									
Aroclor 1242	ND	0.0500									
Aroclor 1248	ND	0.0500									
Aroclor 1254	ND	0.0500									
Aroclor 1260	ND	0.0500									
Aroclor 1262	ND	0.0500									
Aroclor 1268	ND	0.0500									
Total PCBs	ND	0.0500									
Surr: Decachlorobiphenyl	215		200.0		108	20.6	142				
Surr: Tetrachloro-m-xylene	186		200.0		92.9	22	157				

Work Order: 2109394
CLIENT: Shannon & Wilson
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QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **LCS1-33821** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/24/2021** RunNo: **70158**
Client ID: **LCSS** Batch ID: **33821** Analysis Date: **9/27/2021** SeqNo: **1423226**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.796	0.0500	1.000	0	79.6	52.2	136				
Aroclor 1260	0.860	0.0500	1.000	0	86.0	50.5	150				
Surr: Decachlorobiphenyl	199		200.0		99.7	20.6	142				
Surr: Tetrachloro-m-xylene	161		200.0		80.6	22	157				

Sample ID: **LCS2-33821** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/24/2021** RunNo: **70158**
Client ID: **LCSS** Batch ID: **33821** Analysis Date: **9/27/2021** SeqNo: **1423227**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.16	0.0500	1.000	0	116	48.1	147				
Surr: Decachlorobiphenyl	254		200.0		127	20.6	142				
Surr: Tetrachloro-m-xylene	235		200.0		117	22	157				

Sample ID: **1660-CCV-33821C** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/28/2021** RunNo: **70158**
Client ID: **CCV** Batch ID: **33821** Analysis Date: **9/28/2021** SeqNo: **1423880**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.931	0.0500	1.000	0	93.1	80	120				
Aroclor 1260	0.999	0.0500	1.000	0	99.9	80	120				
Surr: Decachlorobiphenyl	215		200.0		107	30.2	155				
Surr: Tetrachloro-m-xylene	198		200.0		99.2	58.8	143				

Sample ID: **1254-CCV-33821C** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/28/2021** RunNo: **70158**
Client ID: **CCV** Batch ID: **33821** Analysis Date: **9/28/2021** SeqNo: **1423881**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.08	0.0500	1.000	0	108	80	120				
Surr: Decachlorobiphenyl	230		200.0		115	30.2	155				
Surr: Tetrachloro-m-xylene	218		200.0		109	58.8	143				

Work Order: 2109394
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1254-CCV-33821C** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/28/2021** RunNo: **70158**
Client ID: **CCV** Batch ID: **33821** Analysis Date: **9/28/2021** SeqNo: **1423881**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **2109394-010AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/24/2021** RunNo: **70158**
Client ID: **A3-SIDE9:5** Batch ID: **33821** Analysis Date: **9/28/2021** SeqNo: **1423892**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.874	0.0387	0.7750	0	113	38.6	146	1.048	18.2	30	
Aroclor 1260	1.00	0.0387	0.7750	0	129	24.6	161	1.176	16.2	30	
Surr: Decachlorobiphenyl	150		155.0		96.8	20.6	142		0		
Surr: Tetrachloro-m-xylene	162		155.0		104	22	157		0		

Sample ID: **2109394-010AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/24/2021** RunNo: **70158**
Client ID: **A3-SIDE9:5** Batch ID: **33821** Analysis Date: **9/28/2021** SeqNo: **1423904**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.05	0.395	0.7901	0	133	38.6	146				D
Aroclor 1260	1.18	0.395	0.7901	0	149	24.6	161				D
Surr: Decachlorobiphenyl	177		158.0		112	20.6	142				D
Surr: Tetrachloro-m-xylene	159		158.0		101	22	157				D

Sample ID: **1254-CCV-33821D** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/28/2021** RunNo: **70158**
Client ID: **CCV** Batch ID: **33821** Analysis Date: **9/28/2021** SeqNo: **1423906**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.10	0.0500	1.000	0	110	80	120				
Surr: Decachlorobiphenyl	234		200.0		117	30.2	155				
Surr: Tetrachloro-m-xylene	209		200.0		104	58.8	143				

Work Order: 2109394
CLIENT: Shannon & Wilson
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QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1660-CCV-33821D** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/28/2021** RunNo: **70158**
Client ID: **CCV** Batch ID: **33821** Analysis Date: **9/28/2021** SeqNo: **1423907**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.944	0.0500	1.000	0	94.4	80	120				
Aroclor 1260	1.06	0.0500	1.000	0	106	80	120				
Surr: Decachlorobiphenyl	281		200.0		141	30.2	155				
Surr: Tetrachloro-m-xylene	233		200.0		116	58.8	143				

Sample ID: **1660-CCV-33821D** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/28/2021** RunNo: **70158**
Client ID: **CCV** Batch ID: **33821** Analysis Date: **9/28/2021** SeqNo: **1423908**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.932	0.0500	1.000	0	93.2	80	120				
Aroclor 1260	1.08	0.0500	1.000	0	108	80	120				
Surr: Decachlorobiphenyl	306		200.0		153	30.2	155				
Surr: Tetrachloro-m-xylene	229		200.0		115	58.8	143				

Work Order: 2109394
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **9/21/2021**	RunNo: **70175**
Client ID: **ICB**	Batch ID: **R70061**		Analysis Date: **9/21/2021**	SeqNo: **1420710**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	50.0									
Surr: Toluene-d8	24.8		25.00		99.3	65	135				
Surr: 4-Bromofluorobenzene	24.5		25.00		98.2	65	135				

Sample ID: **ICV GX 25738**	SampType: **ICV**	Units: **µg/L**	Prep Date: **9/21/2021**	RunNo: **70175**
Client ID: **ICV**	Batch ID: **R70061**		Analysis Date: **9/21/2021**	SeqNo: **1420711**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	568	50.0	500.0	0	114	80	120				
Surr: Toluene-d8	25.2		25.00		101	65	135				
Surr: 4-Bromofluorobenzene	25.2		25.00		101	65	135				

Sample ID: **CCV-33832A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **9/27/2021**	RunNo: **70175**
Client ID: **CCV**	Batch ID: **33832**		Analysis Date: **9/27/2021**	SeqNo: **1423625**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	575	5.00	500.0	0	115	80	120				
Surr: Toluene-d8	25.5		25.00		102	65	135				
Surr: 4-Bromofluorobenzene	24.9		25.00		99.7	65	135				

Sample ID: **LCS-33832**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **9/27/2021**	RunNo: **70175**
Client ID: **LCSS**	Batch ID: **33832**		Analysis Date: **9/27/2021**	SeqNo: **1423626**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	29.6	5.00	25.00	0	118	65	135				
Surr: Toluene-d8	1.24		1.250		99.0	65	135				
Surr: 4-Bromofluorobenzene	1.32		1.250		105	65	135				

Work Order: 2109394
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **MB-33832**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **9/27/2021**	RunNo: **70175**
Client ID: **MBLKS**	Batch ID: **33832**		Analysis Date: **9/27/2021**	SeqNo: **1423627**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.24		1.250		99.5	65	135				
Surr: 4-Bromofluorobenzene	1.29		1.250		103	65	135				

Sample ID: **2109394-011BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **9/27/2021**	RunNo: **70175**
Client ID: **A3-SIDE10:2.5**	Batch ID: **33832**		Analysis Date: **9/27/2021**	SeqNo: **1423635**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.94						0	0	30	
Gasoline Range Organics (C6-C12)	7.06	5.94						10.22	36.7	30	
Surr: Toluene-d8	1.48		1.486		99.7	65	135		0		
Surr: 4-Bromofluorobenzene	1.54		1.486		103	65	135		0		

Sample ID: **2109394-001BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **9/27/2021**	RunNo: **70175**
Client ID: **A3-SIDE1:2.5**	Batch ID: **33832**		Analysis Date: **9/27/2021**	SeqNo: **1423640**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	40.0	6.81						52.79	27.7	30	
Surr: Toluene-d8	1.66		1.702		97.4	65	135		0		
Surr: 4-Bromofluorobenzene	1.79		1.702		105	65	135		0		

Sample ID: **2109394-002BMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **9/27/2021**	RunNo: **70175**
Client ID: **A3-SIDE1:5**	Batch ID: **33832**		Analysis Date: **9/27/2021**	SeqNo: **1423641**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	73.0	7.22	36.11	314.2	-668	65	135				S
Surr: Toluene-d8	1.80		1.806		99.6	65	135				
Surr: 4-Bromofluorobenzene	1.91		1.806		106	65	135				

Work Order: 2109394
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **2109394-002BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/27/2021** RunNo: **70175**
Client ID: **A3-SIDE1:5** Batch ID: **33832** Analysis Date: **9/27/2021** SeqNo: **1423641**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:
S - Analyte concentration was too high for accurate spike recovery(ies).

Sample ID: **CCV-33832B** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/27/2021** RunNo: **70175**
Client ID: **CCV** Batch ID: **33832** Analysis Date: **9/27/2021** SeqNo: **1423642**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	590	5.00	500.0	0	118	80	120				
Surr: Toluene-d8	25.3		25.00		101	65	135				
Surr: 4-Bromofluorobenzene	25.1		25.00		100	65	135				

Sample ID: **CCV-33832C** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/28/2021** RunNo: **70175**
Client ID: **CCV** Batch ID: **33832** Analysis Date: **9/28/2021** SeqNo: **1423652**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	573	5.00	500.0	0	115	80	120				
Surr: Toluene-d8	25.3		25.00		101	65	135				
Surr: 4-Bromofluorobenzene	25.1		25.00		101	65	135				

Sample ID: **CCV-33832D** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/28/2021** RunNo: **70175**
Client ID: **CCV** Batch ID: **33832** Analysis Date: **9/28/2021** SeqNo: **1423836**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	595	5.00	500.0	0	119	80	120				
Surr: Toluene-d8	25.4		25.00		102	65	135				
Surr: 4-Bromofluorobenzene	25.3		25.00		101	65	135				

Sample Log-In Check List

Client Name:	**SW**	Work Order Number:	**2109394**
Logged by:	**Gabrielle Coeuille**	Date Received:	**9/23/2021 5:00:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes	☑	No	☐	Not Present ☐
2.	How was the sample delivered?	Client				

Log In

3.	Coolers are present?	Yes	☑	No	☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes	☑	No	☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes	☐	No	☐	Not Present ☑
6.	Was an attempt made to cool the samples?	Yes	☑	No	☐	NA ☐
7.	Were all items received at a temperature of >2°C to 6°C *	Yes	☑	No	☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes	☑	No	☐	
9.	Sufficient sample volume for indicated test(s)?	Yes	☑	No	☐	
10.	Are samples properly preserved?	Yes	☑	No	☐	
11.	Was preservative added to bottles?	Yes	☐	No	☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes	☐	No	☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes	☑	No	☐	
14.	Does paperwork match bottle labels?	Yes	☑	No	☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes	☑	No	☐	
16.	Is it clear what analyses were requested?	Yes	☑	No	☐	
17.	Were all holding times able to be met?	Yes	☑	No	☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes	☐	No	☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	1.3

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

AT 9/23/21

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9/23/2021 Page: 1 of: 2

Laboratory Project No (internal): 21093954

Project Name: 8801 - Excavations

Special Remarks: Refer to project methods and analyte list

Project No: 103485-008

Client: Shannon & Wilson, Inc.

Collected by: Christian Canfield

Address: 400 N. 34th St., Suite 100

Location: Tukwila, WA

City, State, Zip: Seattle, WA 98103

Report To (PM): Ryan Peterson

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Telephone:

PM Email: RBP@shanwil.com

Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1 A3-SIDE1:2.5	9/23	1020	S	3			X				X	X					
2 A3-SIDE1:5	9/23	1025	S	3			X				X	X					
3 A3-SIDE2:2.5	9/23	1000	S	3			X				X	X					
4 A3-SIDE2:5	9/23	1005	S	3			X				X	X					
5 A3-SIDE3:2.5	9/23	1045	S	3			X				X	X					
6 A3-SIDE3:5	9/23	1050	S	3			X				X	X					
7 A3-SIDE8:2.5	9/23	1345	S	3			X				X	X					
8 A3-SIDE8:5	9/23	1350	S	3			X				X	X					
9 A3-SIDE9:2.5	9/23	1330	S	3			X				X	X					
10 A3-SIDE9:5	9/23	1335	S	3			X				X	X					

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr (Cu) Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☒ 3 Day ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Christian Canfield	9/23/21 1545	x	Clare Griffin	9/23/21 1700
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

AT 9/23/21

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9/23/2021 Page: 2 of: 2

Laboratory Project No (internal): 21093984

Project Name: 8801 - Excavations

Special Remarks: Refer to project methods and analyte list

Project No: 103485-008

Client: Shannon & Wilson, Inc.

Collected by: Christian Canfield

Address: 400 N. 34th St., Suite 100

Location: Tukwila, WA

City, State, Zip: Seattle, WA 98103

Report To (PM): Ryan Peterson

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Telephone:

PM Email: RBP@shanwil.com

Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1 A3-SIDE10:2.5	9/23	1315	S	3			X				X	X					
2 A3-SIDE10:5	9/23	1320	S	3			X				X	X					
3 A3-SIDE11:2.5	9/23	1300	S	3			X				X	X					
4 A3-SIDE11:5	9/23	1305	S	3			X				X	X					
5 A3-SIDE12:2.5	9/23	1245	S	3			X				X	X					
6 A3-SIDE12:5	9/23	1250	S	3			X				X	X					
7 A3-BOT13:6	9/23	1105	S	3			X				X	X					
8 A3-BOT14:6	9/23	1110	S	3			X				X	X					
9 A3-BOT15:6	9/23	1115	S	3			X				X	X					
10 A3-BOT16:6	9/23	1120	S	3			X				X	X					

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr (Cu) Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☒ 3 Day ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Christian Canfield	9/23/21 1545	x	Clare Griggs	9/23/21 1700
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

DATA SET for Review -- Deliverable Requirements

Gasoline by NWTPH-Gx

Fremont Analytical Work Order No. 2109394

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Injection Log

Data Directory: D:\GC-9\DATA\092121\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	092101.D	8260.M			
CLEANOUT MeOH		O-VOC-S	1	1.000	21 Sep 2021 11:29 am
2)	092102.D	8260.M			
VOC SOIL CAL1 25907		O-VOC-S	2	1.000	21 Sep 2021 12:00 pm
3)	092103.D	8260.M			
VOC SOIL CAL2		O-VOC-S	3	1.000	21 Sep 2021 12:31 pm
4)	092104.D	8260.M			
VOC SOIL CAL3		O-VOC-S	4	1.000	21 Sep 2021 01:02 pm
5)	092105.D	8260.M			
VOC SOIL CAL4		O-VOC-S	5	1.000	21 Sep 2021 01:34 pm
6)	092106.D	8260.M			
VOC SOIL CAL5		O-VOC-S	6	1.000	21 Sep 2021 02:05 pm
7)	092107.D	8260.M			
VOC SOIL CAL6		O-VOC-S	7	1.000	21 Sep 2021 02:36 pm
8)	092108.D	8260.M			
VOC SOIL CAL7		O-VOC-S	8	1.000	21 Sep 2021 03:07 pm
9)	092109.D	8260.M			
VOC SOIL CAL8		O-VOC-S	9	1.000	21 Sep 2021 03:38 pm
10)	092110.D	8260.M			
CLEANOUT		O-VOC-S	1	1.000	21 Sep 2021 04:10 pm
11)	092111.D	8260.M			
ICB		O-VOC-S	10	1.000	21 Sep 2021 04:41 pm
12)	092112.D	8260.M			
ICV VOC SOIL 25687		O-VOC-S	11	1.000	21 Sep 2021 05:12 pm
13)	092113.D	8260.M			
CLEANOUT		O-VOC-S	12	1.000	21 Sep 2021 05:43 pm
14)	092114.D	8260.M			
GX CAL1		O-VOC-GX-W	13	1.000	21 Sep 2021 06:15 pm
15)	092115.D	8260.M			
GX CAL1		O-VOC-GX-W	14	1.000	21 Sep 2021 06:46 pm
16)	092116.D	8260.M			
GX CAL1		O-VOC-GX-W	15	1.000	21 Sep 2021 07:17 pm
17)	092117.D	8260.M			
GX CAL1		O-VOC-GX-W	16	1.000	21 Sep 2021 07:48 pm
18)	092118.D	8260.M			
GX CAL1		O-VOC-GX-W	17	1.000	21 Sep 2021 08:19 pm
19)	092119.D	8260.M			
GX CAL1		O-VOC-GX-W	18	1.000	21 Sep 2021 08:50 pm
20)	092120.D	8260.M			
GX CAL1		O-VOC-GX-W	19	1.000	21 Sep 2021 09:21 pm
21)	092121.D	8260.M			
CLEANOUT		O-VOC-GX-W	12	1.000	21 Sep 2021 09:52 pm

```
 22) 092122.D              8260.M
ICB                  O-VOC-GX-W            20    1.000     21 Sep 2021  10:23 pm
  ------------------------------------------------------------------------------
 23) 092123.D              8260.M
ICV GX 25738         O-VOC-GX-W            21    1.000     21 Sep 2021  10:54 pm
  ------------------------------------------------------------------------------
```

Injection Log

Data Directory: D:\GC-9\DATA\092721\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	092701.D	8260.M			
	CLEANOUT	O-VOC-GX-S	27	1.000	27 Sep 2021 10:46 am
2)	092702.D	8260.M			
	CCV-33832A GX	O-VOC-GX-S	28	1.000	27 Sep 2021 11:17 am
3)	092703.D	8260.M			
	LCS-33832 GX	O-VOC-GX-S	29	1.000	27 Sep 2021 11:48 am
4)	092704.D	8260.M			
	CLEANOUT	O-VOC-GX-S	27	1.000	27 Sep 2021 12:19 pm
5)	092705.D	8260.M			
	MB-33832	O-VOC-GX-S	30	1.000	27 Sep 2021 12:50 pm
6)	092706.D	8260.M			
	2109394-005B	O-VOC-GX-S	31	1.000	27 Sep 2021 01:21 pm
7)	092707.D	8260.M			
	2109394-006B	O-VOC-GX-S	32	1.000	27 Sep 2021 01:52 pm
8)	092708.D	8260.M			
	2109394-007B	O-VOC-GX-S	33	1.000	27 Sep 2021 02:23 pm
9)	092709.D	8260.M			
	2109394-008B	O-VOC-GX-S	34	1.000	27 Sep 2021 02:54 pm
10)	092710.D	8260.M			
	2109394-009B	O-VOC-GX-S	35	1.000	27 Sep 2021 03:25 pm
11)	092711.D	8260.M			
	2109394-010B	O-VOC-GX-S	36	1.000	27 Sep 2021 03:56 pm
12)	092712.D	8260.M			
	2109394-011B	O-VOC-GX-S	37	1.000	27 Sep 2021 04:27 pm
13)	092713.D	8260.M			
	2109394-011BDUP	O-VOC-GX-S	38	1.000	27 Sep 2021 04:58 pm
14)	092714.D	8260.M			
	2109394-003B	O-VOC-GX-S	39	1.000	27 Sep 2021 05:29 pm
15)	092715.D	8260.M			
	2109394-002B	O-VOC-GX-S	40	1.000	27 Sep 2021 06:00 pm
16)	092716.D	8260.M			
	2109394-004B	O-VOC-GX-S	41	1.000	27 Sep 2021 06:31 pm
17)	092717.D	8260.M			
	2109394-001B	O-VOC-GX-S	42	1.000	27 Sep 2021 07:02 pm
18)	092718.D	8260.M			
	2109394-001BDUP	O-VOC-GX-S	43	1.000	27 Sep 2021 07:33 pm
19)	092719.D	8260.M			
	2109394-002BMS GX	O-VOC-GX-S	44	1.000	27 Sep 2021 08:04 pm
20)	092720.D	8260.M			
	CLEANOUT HCL	O-VOC-GX-S	45	1.000	27 Sep 2021 08:35 pm
21)	092721.D	8260.M			
	CLEANOUT HCL	O-VOC-GX-S	45	1.000	27 Sep 2021 09:06 pm

22) 092722.D 8260.M
CLEANOUT O-VOC-W 1 1.000 27 Sep 2021 09:37 pm

23) 092723.D 8260.M
CCV-33832B GX O-VOC-GX-S 46 1.000 27 Sep 2021 10:08 pm

24) 092724.D 8260.M
CLEANOUT HCL O-VOC-GX-S 47 1.000 27 Sep 2021 10:39 pm

25) 092725.D 8260.M
2109394-012B O-VOC-GX-S 48 1.000 27 Sep 2021 11:10 pm

26) 092726.D 8260.M
2109394-013B O-VOC-GX-S 49 1.000 27 Sep 2021 11:41 pm

27) 092727.D 8260.M
2109394-014B O-VOC-GX-S 50 1.000 28 Sep 2021 12:12 am

28) 092728.D 8260.M
2109394-015B O-VOC-GX-S 51 1.000 28 Sep 2021 12:43 am

29) 092729.D 8260.M
2109394-016B O-VOC-GX-S 52 1.000 28 Sep 2021 01:14 am

30) 092730.D 8260.M
2109394-017B O-VOC-GX-S 53 1.000 28 Sep 2021 01:45 am

31) 092731.D 8260.M
2109394-018B O-VOC-GX-S 54 1.000 28 Sep 2021 02:16 am

32) 092732.D 8260.M
2109394-019B O-VOC-GX-S 55 1.000 28 Sep 2021 02:47 am

33) 092733.D 8260.M
2109394-020B O-VOC-GX-S 56 1.000 28 Sep 2021 03:18 am

34) 092734.D 8260.M
CLEANOUT HCL O-VOC-GX-S 47 1.000 28 Sep 2021 03:49 am

35) 092735.D 8260.M
CCV-33832C GX O-VOC-GX-S 57 1.000 28 Sep 2021 04:20 am

36) 092736.D 8260.M
CLEANOUT HCL O-VOC-GX-S 58 1.000 28 Sep 2021 08:02 am

37) 092737.D 8260.M
2109394-002B RR O-VOC-GX-S 59 1.000 28 Sep 2021 08:33 am

38) 092738.D 8260.M
2109394-016B RR O-VOC-GX-S 60 1.000 28 Sep 2021 09:04 am

39) 092739.D 8260.M
2109394-001B RR O-VOC-GX-S 61 1.000 28 Sep 2021 09:35 am

40) 092740.D 8260.M
CLEANOUT O-VOC-GX-S 1 1.000 28 Sep 2021 10:06 am

41) 092741.D 8260.M
2109394-015B 10X O-VOC-GX-S 62 1.000 28 Sep 2021 10:37 am

42) 092742.D 8260.M
2109394-004B 10X O-VOC-GX-S 63 1.000 28 Sep 2021 11:08 am

43) 092743.D 8260.M
2109394-003B 100X O-VOC-GX-S 64 1.000 28 Sep 2021 11:39 am

44) 092744.D 8260.M
CLEANOUT HCL O-VOC-GX-S 58 1.000 28 Sep 2021 12:10 pm

45) 092745.D 8260.M

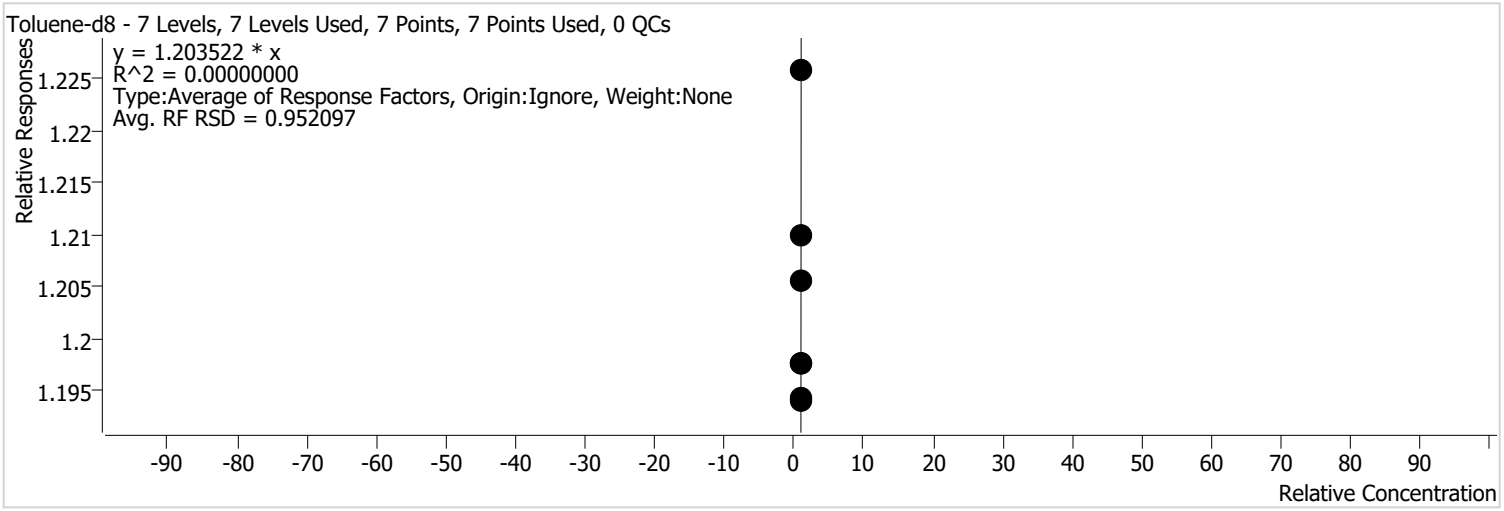
CCV-33832D GX O-VOC-GX-S 65 1.000 28 Sep 2021 12:46 pm

Calibration

Calibration Report

Batch Path	D:\GC-9\DATA\092121\QuantResults\GX CAL.batch.bin		
Analysis Time	9/22/2021 9:49 AM	**Analyst Name**	FA\GC9
Report Time	9/22/2021 9:50:37 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 9:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Toluene-d8 %RSE =

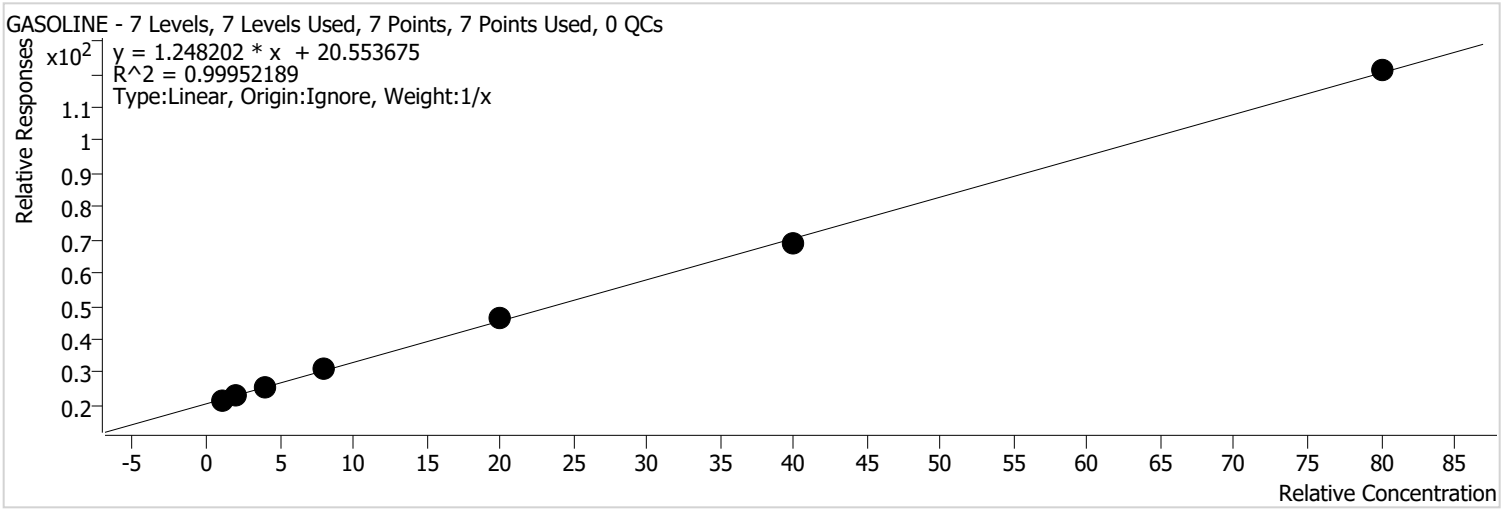


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092121\092120.D	Calibration	7	x	13782888	25.0000	1.2258	
D:\GC-9\DATA\092121\092119.D	Calibration	6	x	13433159	25.0000	1.2055	
D:\GC-9\DATA\092121\092118.D	Calibration	5	x	12995153	25.0000	1.2099	
D:\GC-9\DATA\092121\092117.D	Calibration	4	x	12828258	25.0000	1.1942	
D:\GC-9\DATA\092121\092116.D	Calibration	3	x	13224625	25.0000	1.1975	
D:\GC-9\DATA\092121\092115.D	Calibration	2	x	13410877	25.0000	1.1977	
D:\GC-9\DATA\092121\092114.D	Calibration	1	x	13222866	25.0000	1.1941	

Calibration Report

Batch Path	D:\GC-9\DATA\092121\QuantResults\GX CAL.batch.bin		
Analysis Time	9/22/2021 9:49 AM	**Analyst Name**	FA\GC9
Report Time	9/22/2021 9:50:38 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 9:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

GASOLINE %RSE = 3.3

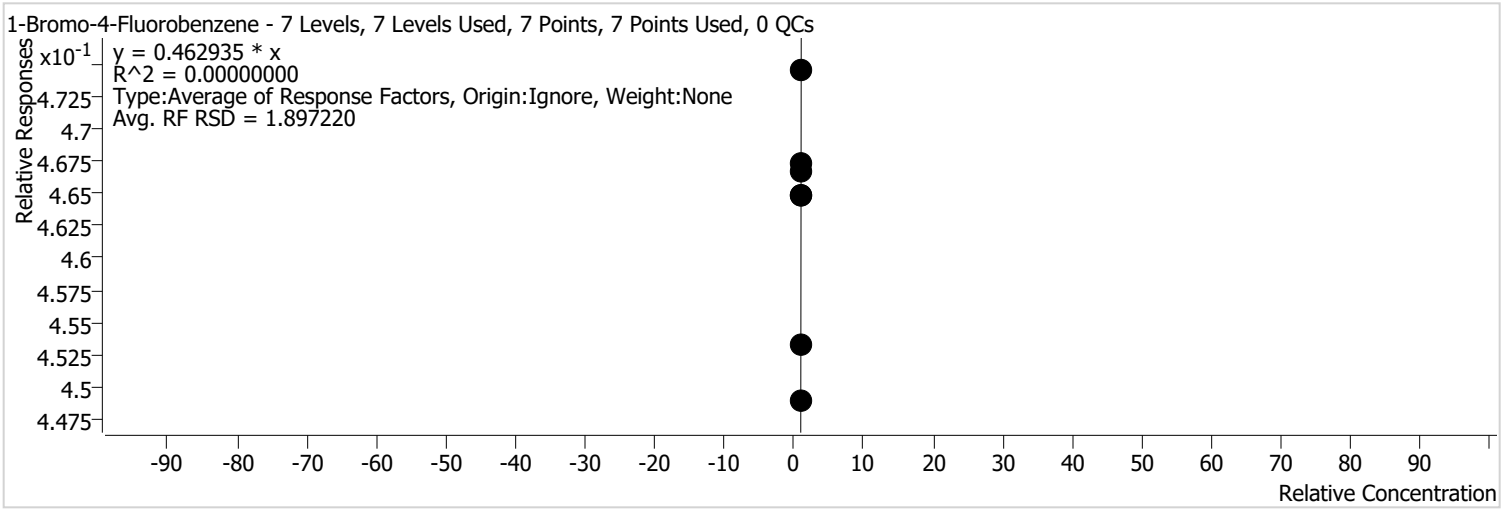


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092121\092114.D	Calibration	1	x	211290983	25.0000	21.7713	
D:\GC-9\DATA\092121\092115.D	Calibration	2	x	225508706	50.0000	11.5617	
D:\GC-9\DATA\092121\092116.D	Calibration	3	x	252211775	100.0000	6.3387	
D:\GC-9\DATA\092121\092117.D	Calibration	4	x	303630828	200.0000	3.8567	
D:\GC-9\DATA\092121\092118.D	Calibration	5	x	455036936	500.0000	2.3053	
D:\GC-9\DATA\092121\092119.D	Calibration	6	x	710510631	1000.0000	1.7270	
D:\GC-9\DATA\092121\092120.D	Calibration	7	x	1268715944	2000.0000	1.5132	

Calibration Report

Batch Path	D:\GC-9\DATA\092121\QuantResults\GX CAL.batch.bin		
Analysis Time	9/22/2021 9:49 AM	**Analyst Name**	FA\GC9
Report Time	9/22/2021 9:50:38 AM	**Reporter Name**	FA\GC9
Last Calib Update	9/22/2021 9:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1-Bromo-4-Fluorobenzene %RSE =

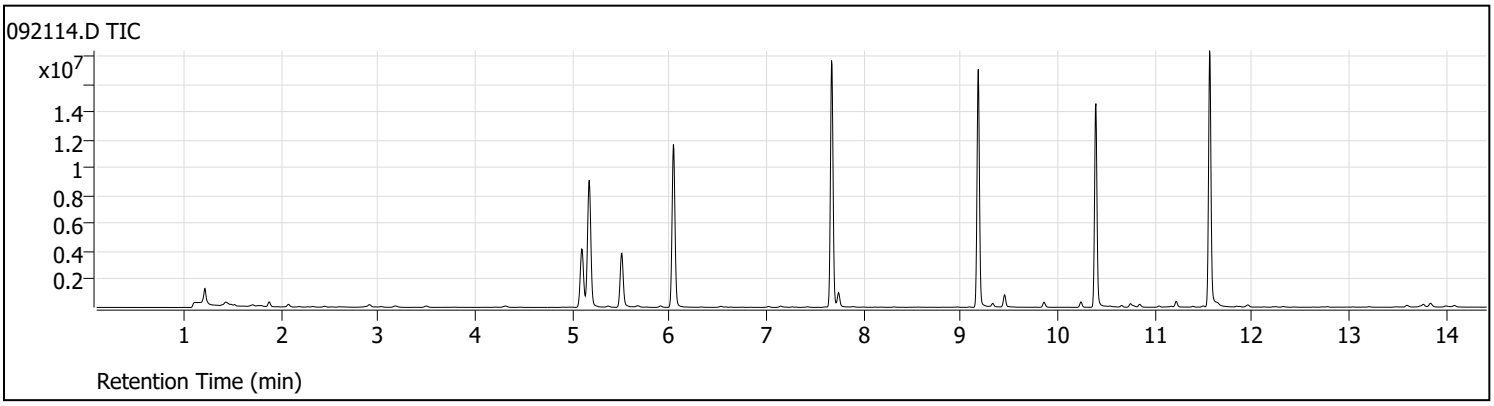


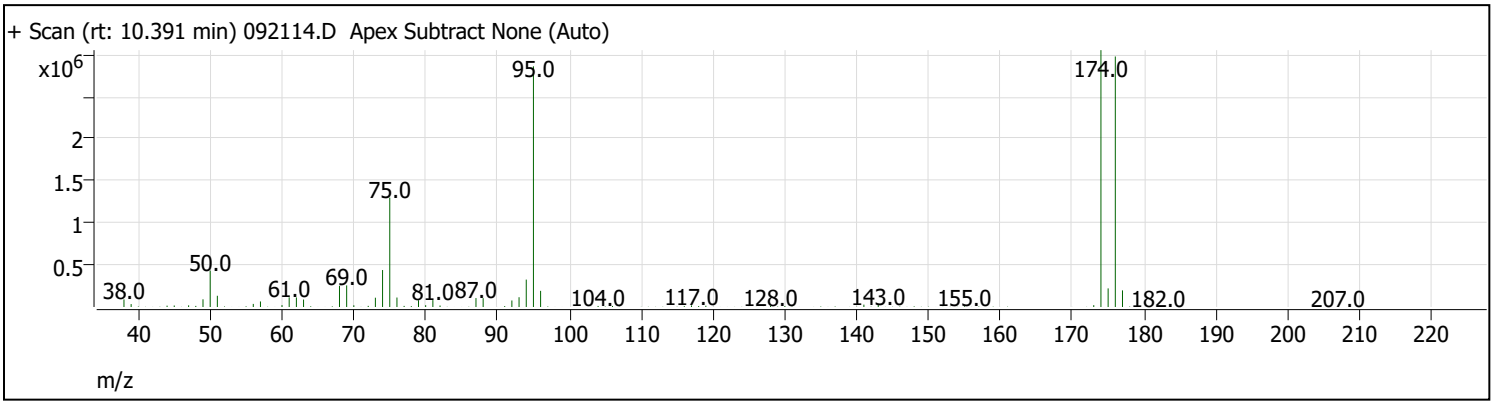
Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092121\092120.D	Calibration	7	x	5335148	25.0000	0.4745	
D:\GC-9\DATA\092121\092119.D	Calibration	6	x	5207051	25.0000	0.4673	
D:\GC-9\DATA\092121\092118.D	Calibration	5	x	4992014	25.0000	0.4648	
D:\GC-9\DATA\092121\092117.D	Calibration	4	x	4994559	25.0000	0.4649	
D:\GC-9\DATA\092121\092116.D	Calibration	3	x	5155265	25.0000	0.4668	
D:\GC-9\DATA\092121\092115.D	Calibration	2	x	5027378	25.0000	0.4490	
D:\GC-9\DATA\092121\092114.D	Calibration	1	x	5019202	25.0000	0.4533	

Tunes

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\092121\092114.D
Acq on:	9/21/2021 6:15:12 PM
Operator:	FA\GC9
Sample:	GX CAL1
Inst Name:	GC-9
ALS Vial:	13
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

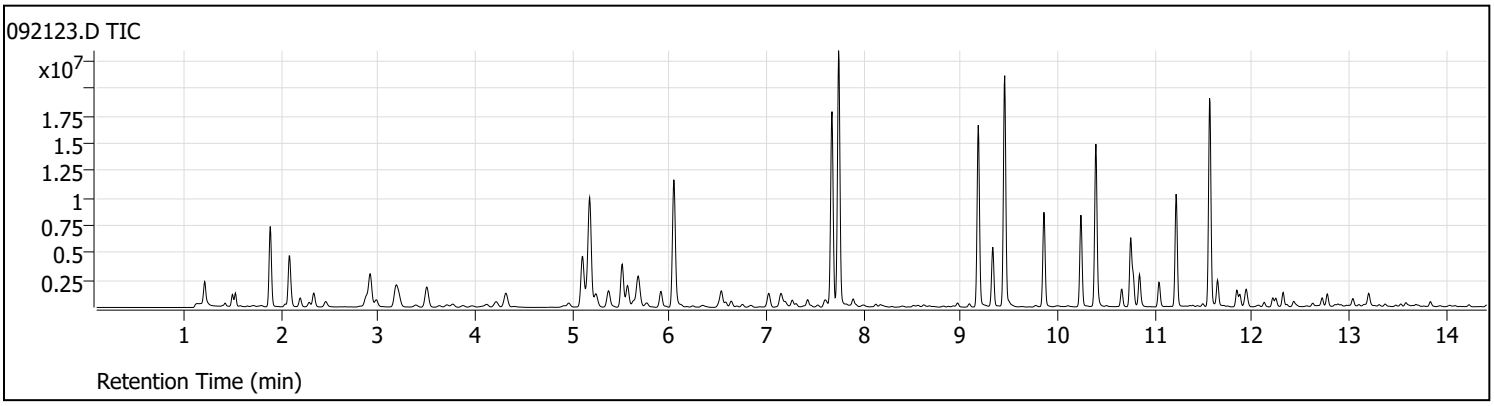


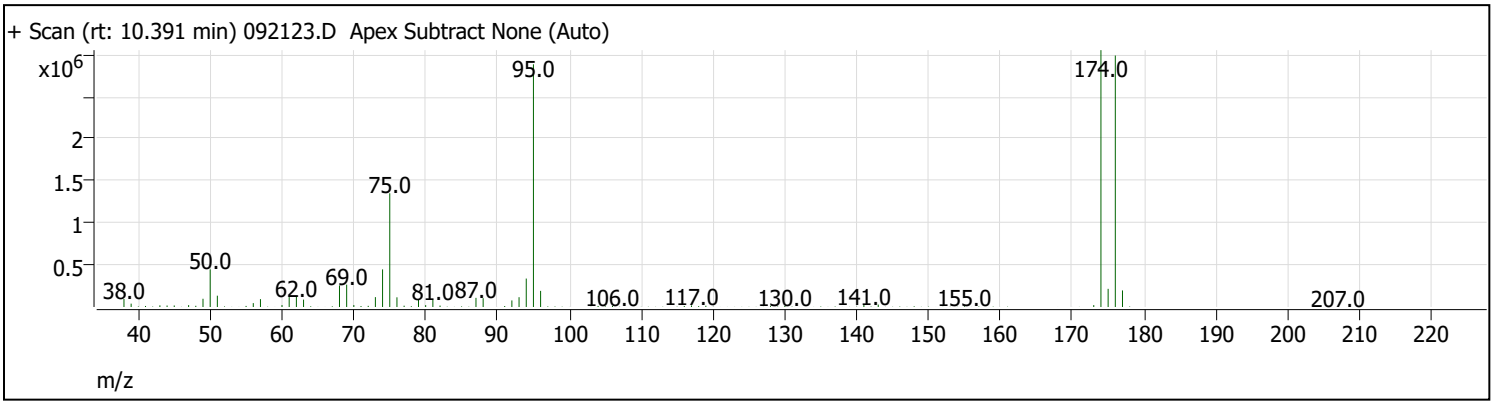


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	93.7	2859520	Pass
96	95	5	9	6.7	191808	Pass
173	174	0	2	0.7	21904	Pass
174	95	50	200	106.7	3051520	Pass
175	174	5	9	7.2	221184	Pass
176	174	95	105	97.5	2976256	Pass
177	176	5	10	6.6	197376	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\092121\092123.D
Acq on:	9/21/2021 10:54:32 PM
Operator:	FA\GC9
Sample:	ICV GX 25738
Inst Name:	GC-9
ALS Vial:	21
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

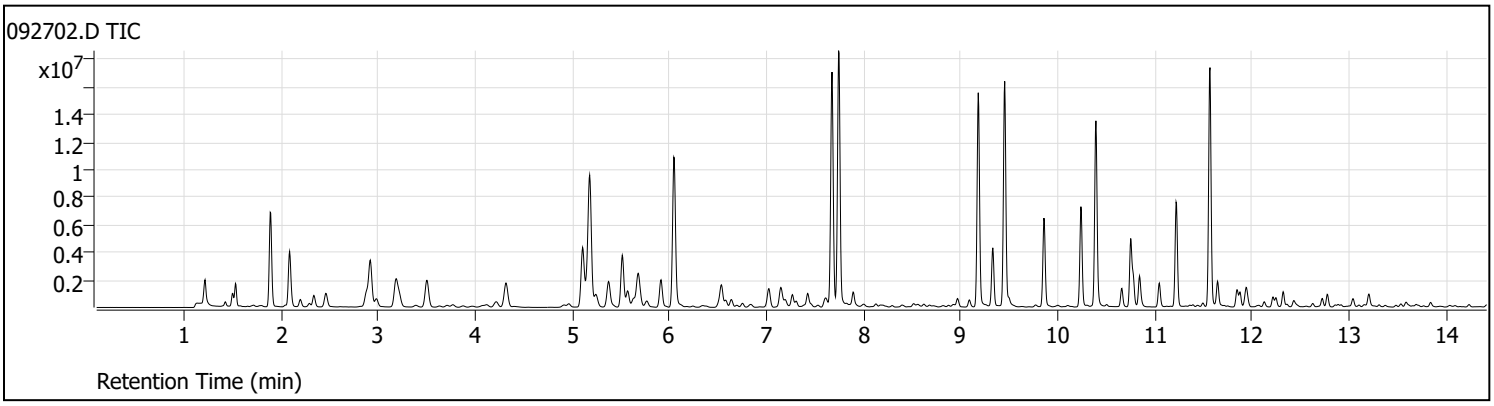


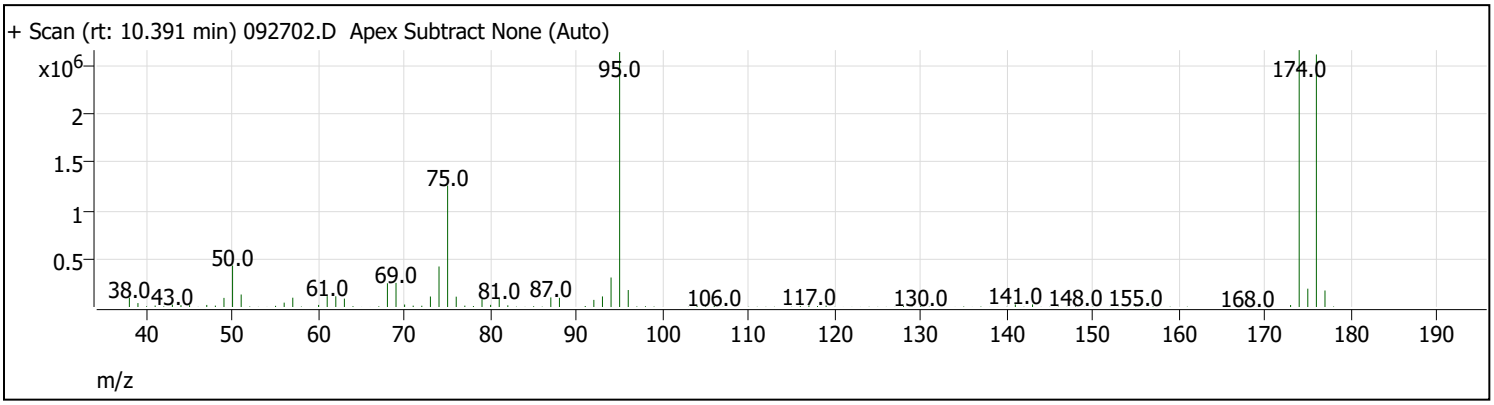


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	94.5	2885632	Pass
96	95	5	9	6.6	191680	Pass
173	174	0	2	0.7	22488	Pass
174	95	50	200	105.8	3054080	Pass
175	174	5	9	7.1	215872	Pass
176	174	95	105	97.9	2990080	Pass
177	176	5	10	6.6	197056	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\092721\092702.D
Acq on:	9/27/2021 11:17:11 AM
Operator:	FA\GC9
Sample:	CCV-33832A GX
Inst Name:	GC-9
ALS Vial:	28
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

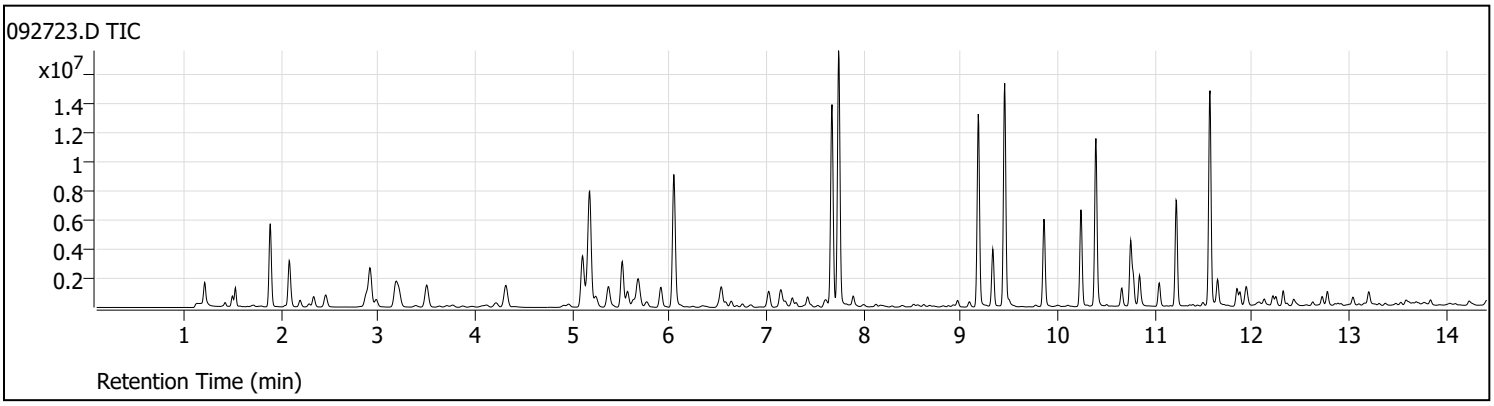


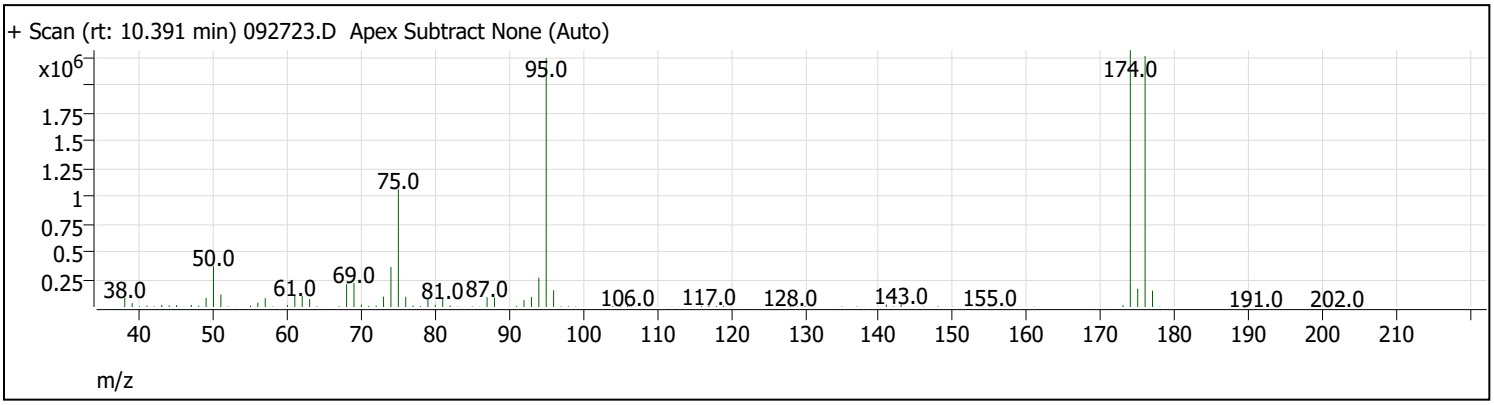


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	99.2	2638336	Pass
96	95	5	9	6.7	175616	Pass
173	174	0	2	0.8	20592	Pass
174	95	50	200	100.8	2658816	Pass
175	174	5	9	7.1	189568	Pass
176	174	95	105	98.3	2613760	Pass
177	176	5	10	6.5	170624	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\092721\092723.D
Acq on:	9/27/2021 10:08:43 PM
Operator:	FA\GC9
Sample:	CCV-33832B GX
Inst Name:	GC-9
ALS Vial:	46
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

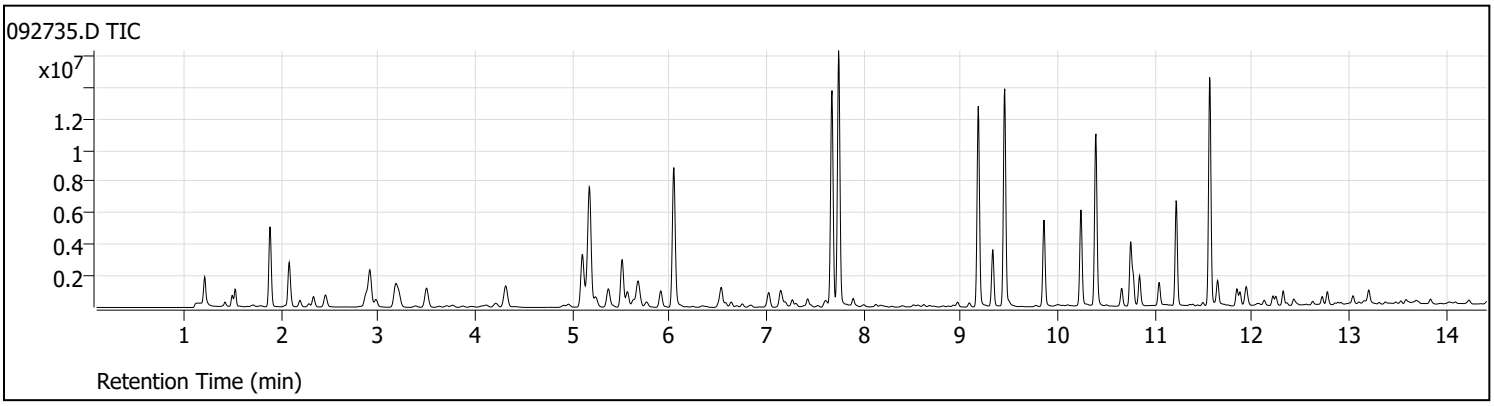


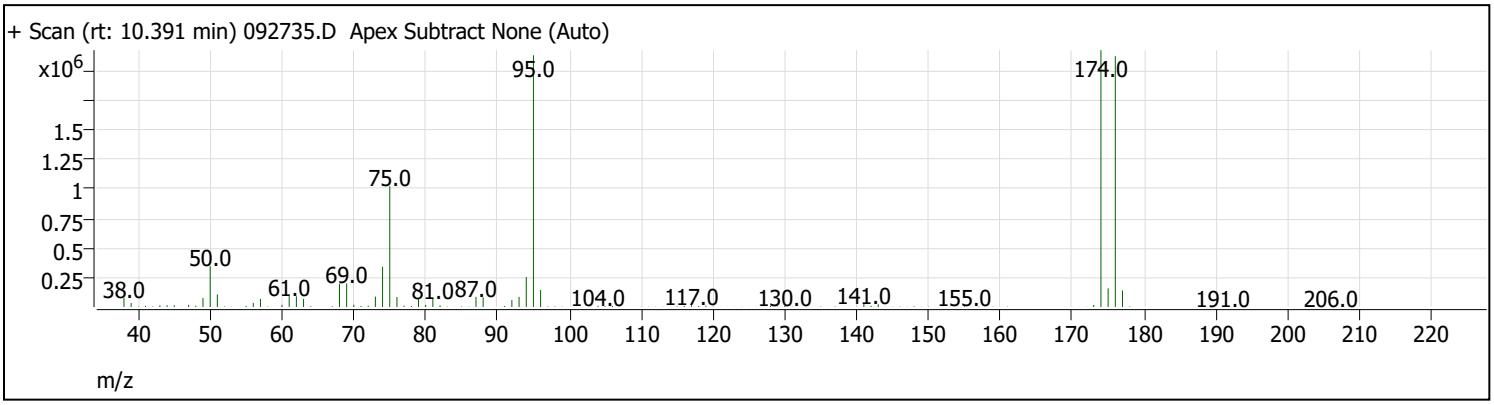


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	96.9	2240512	Pass
96	95	5	9	6.7	150400	Pass
173	174	0	2	0.7	16528	Pass
174	95	50	200	103.2	2313216	Pass
175	174	5	9	7.1	164288	Pass
176	174	95	105	97.7	2259456	Pass
177	176	5	10	6.5	146560	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\092721\092735.D
Acq on:	9/28/2021 4:20:23 AM
Operator:	FA\GC9
Sample:	CCV-33832C GX
Inst Name:	GC-9
ALS Vial:	57
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

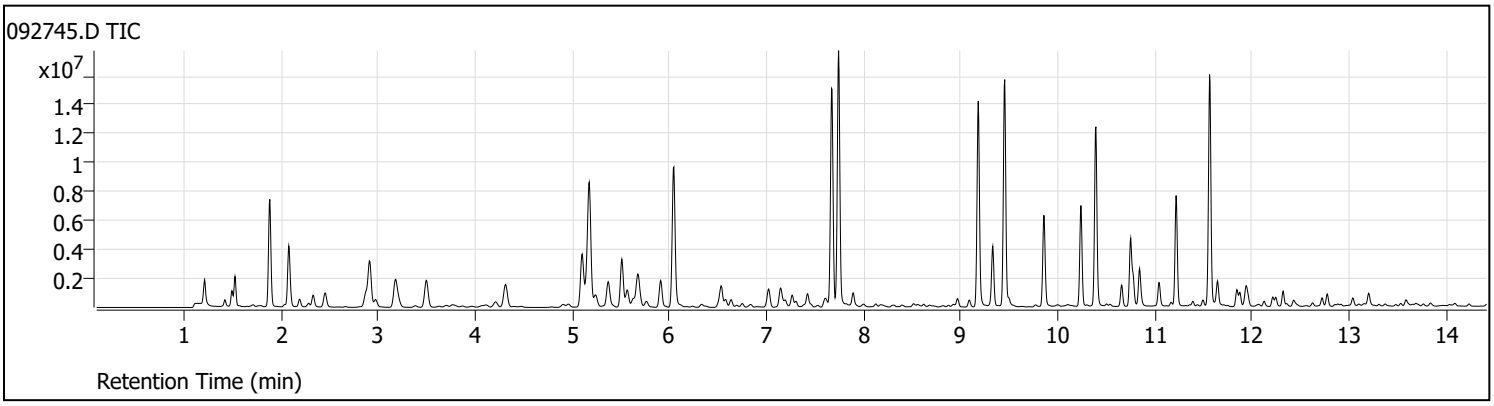


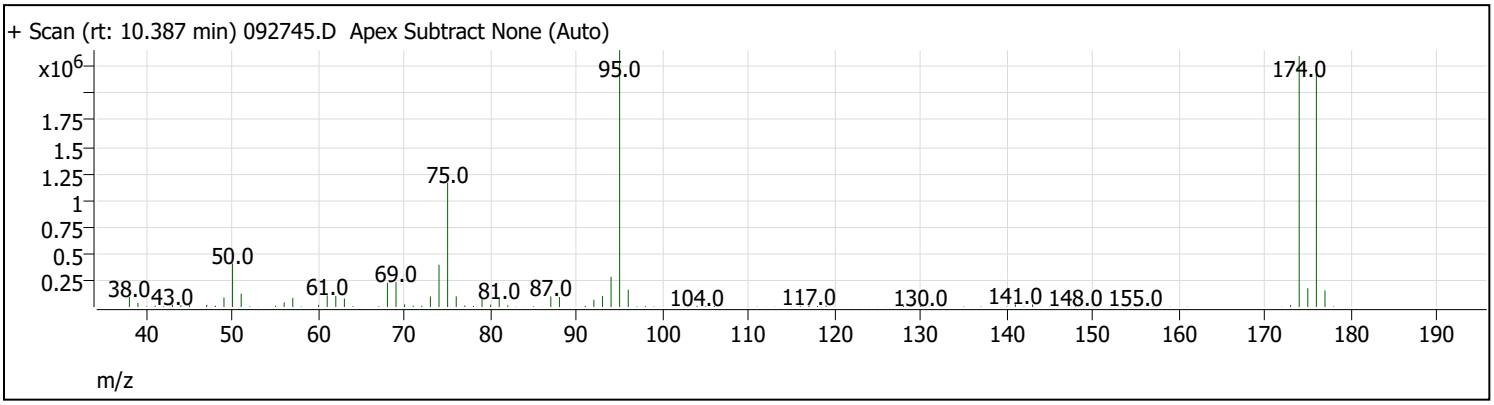


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	98.0	2134016	Pass
96	95	5	9	6.7	143424	Pass
173	174	0	2	0.8	18032	Pass
174	95	50	200	102.0	2177536	Pass
175	174	5	9	7.3	158272	Pass
176	174	95	105	97.6	2126336	Pass
177	176	5	10	6.6	140032	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\092721\092745.D
Acq on:	9/28/2021 12:46:38 PM
Operator:	FA\GC9
Sample:	CCV-33832D GX
Inst Name:	GC-9
ALS Vial:	65
Method:	D:\MassHunter\Methods\Quant\BFB2021.m





Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	102.4	2404864	Pass
96	95	5	9	6.7	161984	Pass
173	174	0	2	0.8	18384	Pass
174	95	50	200	97.7	2349056	Pass
175	174	5	9	7.5	175680	Pass
176	174	95	105	96.7	2271232	Pass
177	176	5	10	6.8	155136	Pass

DATA SET for Review -- Deliverable Requirements

Polychlorinated Biphenyls (PCB) by EPA 8082

Fremont Analytical Work Order No. 2109394

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information

Injection Log

Data Directory: D:\GC-25\Data\210708\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	070801.D	PCB_GC25_PEST_190228.M			
CO			6	1.000	08 Jul 2021 08:34 am
2)	070802.D	PCB_GC25_PEST_190228.M			
1660-CCV-			6	1.000	08 Jul 2021 08:43 am
3)	070803.D	PCB_GC25_PEST_190228.M			
1254-CCV-			7	1.000	08 Jul 2021 08:53 am
4)	070804.D	PCB_GC25_PEST_190228.M			
1660 10			101	1.000	08 Jul 2021 09:03 am
5)	070805.D	PCB_GC25_PEST_190228.M			
1660 20			102	1.000	08 Jul 2021 09:12 am
6)	070806.D	PCB_GC25_PEST_190228.M			
1660 50			103	1.000	08 Jul 2021 09:22 am
7)	070807.D	PCB_GC25_PEST_190228.M			
1660 100			104	1.000	08 Jul 2021 09:32 am
8)	070808.D	PCB_GC25_PEST_190228.M			
1660 200			105	1.000	08 Jul 2021 09:41 am
9)	070809.D	PCB_GC25_PEST_190228.M			
1660 500			106	1.000	08 Jul 2021 09:51 am
10)	070810.D	PCB_GC25_PEST_190228.M			
1660 1000			107	1.000	08 Jul 2021 10:01 am
11)	070811.D	PCB_GC25_PEST_190228.M			
1660 2000			108	1.000	08 Jul 2021 10:11 am
12)	070812.D	PCB_GC25_PEST_190228.M			
1660 ICB			109	1.000	08 Jul 2021 10:20 am
13)	070813.D	PCB_GC25_PEST_190228.M			
1660 ICV			110	1.000	08 Jul 2021 10:30 am
14)	070814.D	PCB_GC25_PEST_190228.M			
1254 10			111	1.000	08 Jul 2021 10:40 am
15)	070815.D	PCB_GC25_PEST_190228.M			
1254 20			112	1.000	08 Jul 2021 10:49 am
16)	070816.D	PCB_GC25_PEST_190228.M			
1254 50			113	1.000	08 Jul 2021 10:59 am
17)	070817.D	PCB_GC25_PEST_190228.M			
1254 100			114	1.000	08 Jul 2021 11:09 am
18)	070818.D	PCB_GC25_PEST_190228.M			
1254 200			115	1.000	08 Jul 2021 11:19 am
19)	070819.D	PCB_GC25_PEST_190228.M			
1254 500			116	1.000	08 Jul 2021 11:28 am
20)	070820.D	PCB_GC25_PEST_190228.M			
1254 1000			117	1.000	08 Jul 2021 11:38 am
21)	070821.D	PCB_GC25_PEST_190228.M			
1254 2000			118	1.000	08 Jul 2021 11:48 am

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 22) 070822.D              PCB_GC25_PEST_190228.M
1254 ICB                                119    1.000     08 Jul 2021  11:57 am
  ------------------------------------------------------------------------------
 23) 070823.D              PCB_GC25_PEST_190228.M
1254 ICV                                120    1.000     08 Jul 2021  12:07 pm
  ------------------------------------------------------------------------------
 24) 070824.D              PCB_GC25_PEST_190228.M
1660-CCV-                                 6    1.000     08 Jul 2021  12:22 pm
  ------------------------------------------------------------------------------
 25) 070825.D              PCB_GC25_PEST_190228.M
1254-CCV-                                 7    1.000     08 Jul 2021  12:32 pm
  ------------------------------------------------------------------------------
 26) 070826.D              PCB_GC25_PEST_190228.M
MB-32913                                 51    1.000     08 Jul 2021  12:42 pm
  ------------------------------------------------------------------------------
 27) 070827.D              PCB_GC25_PEST_190228.M
LCS1-32913                               52    1.000     08 Jul 2021  12:51 pm
  ------------------------------------------------------------------------------
 28) 070828.D              PCB_GC25_PEST_190228.M
LCS2-32913                               53    1.000     08 Jul 2021  01:01 pm
  ------------------------------------------------------------------------------
 29) 070829.D              PCB_GC25_PEST_190228.M
2107047-001A                             54    1.000     08 Jul 2021  01:11 pm
  ------------------------------------------------------------------------------
 30) 070830.D              PCB_GC25_PEST_190228.M
2107017-001A                             55    1.000     08 Jul 2021  01:21 pm
  ------------------------------------------------------------------------------
 31) 070831.D              PCB_GC25_PEST_190228.M
2107017-001AMS                           56    1.000     08 Jul 2021  01:30 pm
  ------------------------------------------------------------------------------
 32) 070832.D              PCB_GC25_PEST_190228.M
LCS1D-32913                              57    1.000     08 Jul 2021  01:40 pm
  ------------------------------------------------------------------------------
 33) 070833.D              PCB_GC25_PEST_190228.M
1660-CCV-                                 6    1.000     08 Jul 2021  01:50 pm
  ------------------------------------------------------------------------------
 34) 070834.D              PCB_GC25_PEST_190228.M
1254-CCV-                                 7    1.000     08 Jul 2021  01:59 pm
  ------------------------------------------------------------------------------
 35) 070835.D              PCB_GC25_PEST_190228.M
RESTEK                                   11    1.000     08 Jul 2021  02:09 pm
  ------------------------------------------------------------------------------
 36) 070836.D              PCB_GC25_PEST_190228.M
NEW SOURCE                               12    1.000     08 Jul 2021  02:19 pm
  ------------------------------------------------------------------------------
```

Injection Log

Data Directory: D:\GC-25\Data\210927\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	092701.D	PCB_GC25_PEST_190228.M			
co			6	1.000	27 Sep 2021 09:25 am
2)	092702.D	PCB_GC25_PEST_190228.M			
co			7	1.000	27 Sep 2021 09:35 am
3)	092703.D	PCB_GC25_PEST_190228.M			
1660-CCV-			6	1.000	27 Sep 2021 09:45 am
4)	092704.D	PCB_GC25_PEST_190228.M			
1254-CCV-			7	1.000	27 Sep 2021 09:54 am
5)	092705.D	PCB_GC25_PEST_190228.M			
MB-33821			11	1.000	27 Sep 2021 10:33 am
6)	092706.D	PCB_GC25_PEST_190228.M			
LCS1-33821			12	1.000	27 Sep 2021 10:42 am
7)	092707.D	PCB_GC25_PEST_190228.M			
LCS2-33821			13	1.000	27 Sep 2021 10:52 am
8)	092708.D	PCB_GC25_PEST_190228.M			
2107149-037B			14	1.000	27 Sep 2021 11:02 am
9)	092709.D	PCB_GC25_PEST_190228.M			
MDL 0.01			15	1.000	27 Sep 2021 11:11 am
10)	092710.D	PCB_GC25_PEST_190228.M			
co			7	1.000	27 Sep 2021 11:21 am
11)	092711.D	PCB_GC25_PEST_190228.M			
1660-CCV-			6	1.000	27 Sep 2021 11:31 am
12)	092712.D	PCB_GC25_PEST_190228.M			
1254-CCV-			7	1.000	27 Sep 2021 11:40 am
13)	092713.D	PCB_GC25_PEST_190228.M			
1660-CCV-			6	1.000	27 Sep 2021 12:36 pm
14)	092714.D	PCB_GC25_PEST_190228.M			
1254-CCV-			7	1.000	27 Sep 2021 12:46 pm
15)	092715.D	PCB_GC25_PEST_190228.M			
MB-33837			21	1.000	27 Sep 2021 02:02 pm
16)	092716.D	PCB_GC25_PEST_190228.M			
LCS1-33837			22	1.000	27 Sep 2021 02:12 pm
17)	092717.D	PCB_GC25_PEST_190228.M			
LCS2-33837			23	1.000	27 Sep 2021 02:22 pm
18)	092718.D	PCB_GC25_PEST_190228.M			
2109390-009A			24	1.000	27 Sep 2021 02:31 pm
19)	092719.D	PCB_GC25_PEST_190228.M			
2109391-001A			25	1.000	27 Sep 2021 02:41 pm
20)	092720.D	PCB_GC25_PEST_190228.M			
2109391-003A			26	1.000	27 Sep 2021 02:51 pm
21)	092721.D	PCB_GC25_PEST_190228.M			
2109391-004A			27	1.000	27 Sep 2021 03:00 pm

22) 092722.D PCB_GC25_PEST_190228.M
2109391-006A 28 1.000 27 Sep 2021 03:10 pm

23) 092723.D PCB_GC25_PEST_190228.M
2109391-007A 29 1.000 27 Sep 2021 03:20 pm

24) 092724.D PCB_GC25_PEST_190228.M
2109391-009A 30 1.000 27 Sep 2021 03:29 pm

25) 092725.D PCB_GC25_PEST_190228.M
2109391-010A 31 1.000 27 Sep 2021 03:39 pm

26) 092726.D PCB_GC25_PEST_190228.M
2109391-012A 32 1.000 27 Sep 2021 03:49 pm

27) 092727.D PCB_GC25_PEST_190228.M
2109391-013A 33 1.000 27 Sep 2021 03:58 pm

28) 092728.D PCB_GC25_PEST_190228.M
2109391-015A 34 1.000 27 Sep 2021 04:08 pm

29) 092729.D PCB_GC25_PEST_190228.M
2109391-016A 35 1.000 27 Sep 2021 04:20 pm

30) 092730.D PCB_GC25_PEST_190228.M
2109391-018A 36 1.000 27 Sep 2021 04:30 pm

31) 092731.D PCB_GC25_PEST_190228.M
LCS1D-33837 37 1.000 27 Sep 2021 04:39 pm

32) 092732.D PCB_GC25_PEST_190228.M
1660-CCV- 6 1.000 27 Sep 2021 04:49 pm

33) 092733.D PCB_GC25_PEST_190228.M
1254-CCV- 7 1.000 27 Sep 2021 04:59 pm

34) 092734.D PCB_GC25_PEST_190228.M
MB-33848 41 1.000 27 Sep 2021 05:09 pm

35) 092735.D PCB_GC25_PEST_190228.M
LCS-33848 42 1.000 27 Sep 2021 05:18 pm

36) 092736.D PCB_GC25_PEST_190228.M
LCS1D-33848 43 1.000 27 Sep 2021 05:28 pm

37) 092737.D PCB_GC25_PEST_190228.M
LCS2-33848 44 1.000 27 Sep 2021 05:38 pm

38) 092738.D PCB_GC25_PEST_190228.M
2109391-002A 45 1.000 27 Sep 2021 05:47 pm

39) 092739.D PCB_GC25_PEST_190228.M
2109391-005A 46 1.000 27 Sep 2021 05:57 pm

40) 092740.D PCB_GC25_PEST_190228.M
2109391-008A 47 1.000 27 Sep 2021 06:07 pm

41) 092741.D PCB_GC25_PEST_190228.M
2109391-011A 48 1.000 27 Sep 2021 06:16 pm

42) 092742.D PCB_GC25_PEST_190228.M
2109391-014A 49 1.000 27 Sep 2021 06:26 pm

43) 092743.D PCB_GC25_PEST_190228.M
2109391-017A 50 1.000 27 Sep 2021 06:36 pm

44) 092744.D PCB_GC25_PEST_190228.M
1660-CCV- 6 1.000 27 Sep 2021 06:46 pm

45) 092745.D PCB_GC25_PEST_190228.M

1254-CCV- 7 1.000 27 Sep 2021 06:55 pm

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46) 092801.D PCB_GC25_PEST_190228.M
co 7 1.000 28 Sep 2021 08:09 am

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47) 092802.D PCB_GC25_PEST_190228.M
1660-CCV- 6 1.000 28 Sep 2021 08:19 am

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48) 092803.D PCB_GC25_PEST_190228.M
1254-CCV- 7 1.000 28 Sep 2021 08:29 am

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49) 092804.D PCB_GC25_PEST_190228.M
2109391-003a 10x 51 1.000 28 Sep 2021 08:41 am

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50) 092805.D PCB_GC25_PEST_190228.M
2109391-009a 10x 52 1.000 28 Sep 2021 08:51 am

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51) 092806.D PCB_GC25_PEST_190228.M
1660-CCV- 6 1.000 28 Sep 2021 09:00 am

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52) 092807.D PCB_GC25_PEST_190228.M
1254-CCV- 7 1.000 28 Sep 2021 09:10 am

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53) 092808.D PCB_GC25_PEST_190228.M
2109394-001A 65 1.000 28 Sep 2021 09:22 am

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54) 092809.D PCB_GC25_PEST_190228.M
2109394-002A 66 1.000 28 Sep 2021 09:31 am

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55) 092810.D PCB_GC25_PEST_190228.M
2109394-003A 67 1.000 28 Sep 2021 09:41 am

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56) 092811.D PCB_GC25_PEST_190228.M
2109394-004A 68 1.000 28 Sep 2021 09:51 am

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57) 092812.D PCB_GC25_PEST_190228.M
2109394-005A 69 1.000 28 Sep 2021 10:00 am

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58) 092813.D PCB_GC25_PEST_190228.M
2109394-006A 70 1.000 28 Sep 2021 10:10 am

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59) 092814.D PCB_GC25_PEST_190228.M
2109394-007A 71 1.000 28 Sep 2021 10:20 am

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60) 092815.D PCB_GC25_PEST_190228.M
2109394-008A 72 1.000 28 Sep 2021 10:30 am

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61) 092816.D PCB_GC25_PEST_190228.M
2109394-009A 73 1.000 28 Sep 2021 10:39 am

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62) 092817.D PCB_GC25_PEST_190228.M
2109394-010A 74 1.000 28 Sep 2021 10:49 am

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63) 092818.D PCB_GC25_PEST_190228.M
2109394-010AMS 75 1.000 28 Sep 2021 10:59 am

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64) 092819.D PCB_GC25_PEST_190228.M
2109394-010AMSD 76 1.000 28 Sep 2021 11:08 am

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65) 092820.D PCB_GC25_PEST_190228.M
2109394-011A 77 1.000 28 Sep 2021 11:18 am

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66) 092821.D PCB_GC25_PEST_190228.M
2109394-012A 78 1.000 28 Sep 2021 11:28 am

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67) 092822.D PCB_GC25_PEST_190228.M
2109394-013A 79 1.000 28 Sep 2021 11:37 am

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68) 092823.D PCB_GC25_PEST_190228.M
2109394-010AMS 75 1.000 28 Sep 2021 11:47 am

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 69) 092824.D              PCB_GC25_PEST_190228.M
2109394-014A                              80    1.000     28 Sep 2021  11:57 am
 70) 092825.D              PCB_GC25_PEST_190228.M
2109394-015A                              81    1.000     28 Sep 2021  12:07 pm
 71) 092826.D              PCB_GC25_PEST_190228.M
2109394-016A                              82    1.000     28 Sep 2021  12:16 pm
 72) 092827.D              PCB_GC25_PEST_190228.M
2109394-017A                              83    1.000     28 Sep 2021  12:26 pm
 73) 092828.D              PCB_GC25_PEST_190228.M
2109394-018A                              84    1.000     28 Sep 2021  12:36 pm
 74) 092829.D              PCB_GC25_PEST_190228.M
2109394-019A                              85    1.000     28 Sep 2021  12:45 pm
 75) 092830.D              PCB_GC25_PEST_190228.M
2109394-020A                              86    1.000     28 Sep 2021  12:55 pm
 76) 092831.D              PCB_GC25_PEST_190228.M
2109394-010AMS 10X                        91    1.000     28 Sep 2021  01:05 pm
 77) 092832.D              PCB_GC25_PEST_190228.M
1660-CCV-                                  6    1.000     28 Sep 2021  01:15 pm
 78) 092833.D              PCB_GC25_PEST_190228.M
1254-CCV-                                  7    1.000     28 Sep 2021  01:24 pm
 79) 092834.D              PCB_GC25_PEST_190228.M
1660-CCV-                                  6    1.000     28 Sep 2021  01:35 pm
 80) 092835.D              PCB_GC25_PEST_190228.M
1660-CCV-                                  6    1.000     28 Sep 2021  01:47 pm
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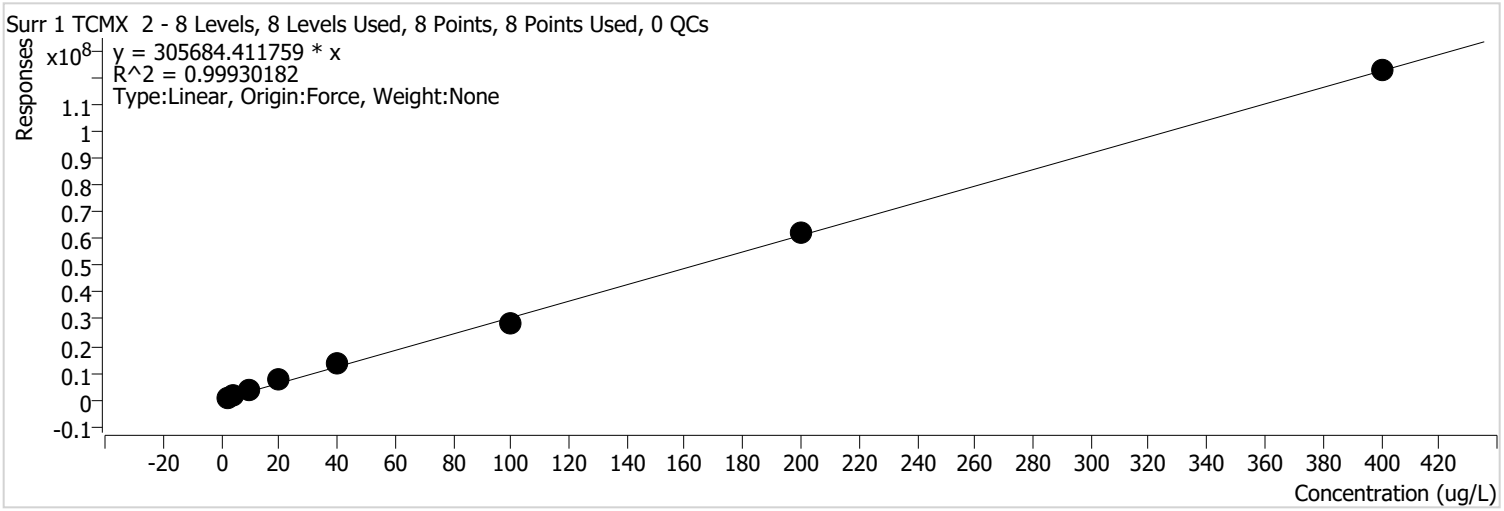
Calibration

Calibration Report

Batch Path	D:\GC-25\Data\210708\QuantResults\1254 CAL.batch.bin		
Analysis Time	7/8/2021 2:36 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 2:38:09 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 2:36 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 1 TCMX 2 %RSE =



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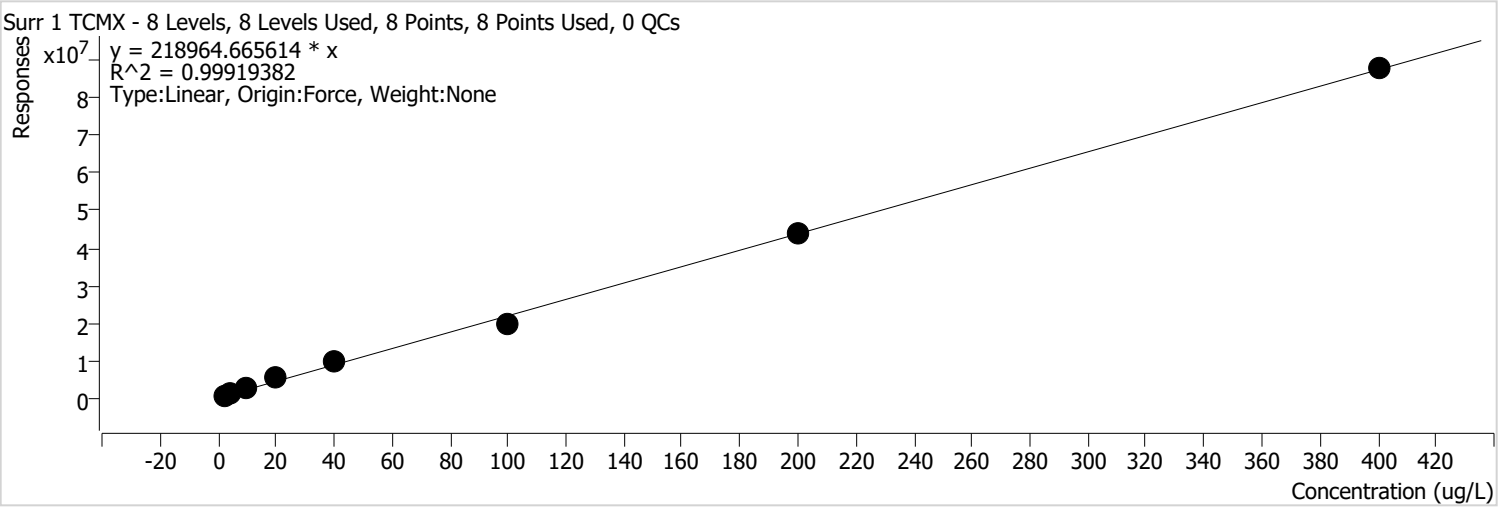
D:\GC-25\Data\210708\070815.D	Calibration	2	x	1328700	4.0000	332175.0944	
D:\GC-25\Data\210708\070816.D	Calibration	3	x	3837267	10.0000	383726.7322	
D:\GC-25\Data\210708\070817.D	Calibration	4	x	7203288	20.0000	360164.3833	
D:\GC-25\Data\210708\070818.D	Calibration	5	x	13268195	40.0000	331704.8710	
D:\GC-25\Data\210708\070819.D	Calibration	6	x	28245961	100.0000	282459.6119	
D:\GC-25\Data\210708\070820.D	Calibration	7	x	61820484	200.0000	309102.4221	
D:\GC-25\Data\210708\070821.D	Calibration	8	x	122331827	400.0000	305829.5673	

Batch Path	D:\GC-25\Data\210708\QuantResults\1254 CAL.batch.bin		
Analysis Time	7/8/2021 2:36 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 2:38:10 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 2:36 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 1 TCMX %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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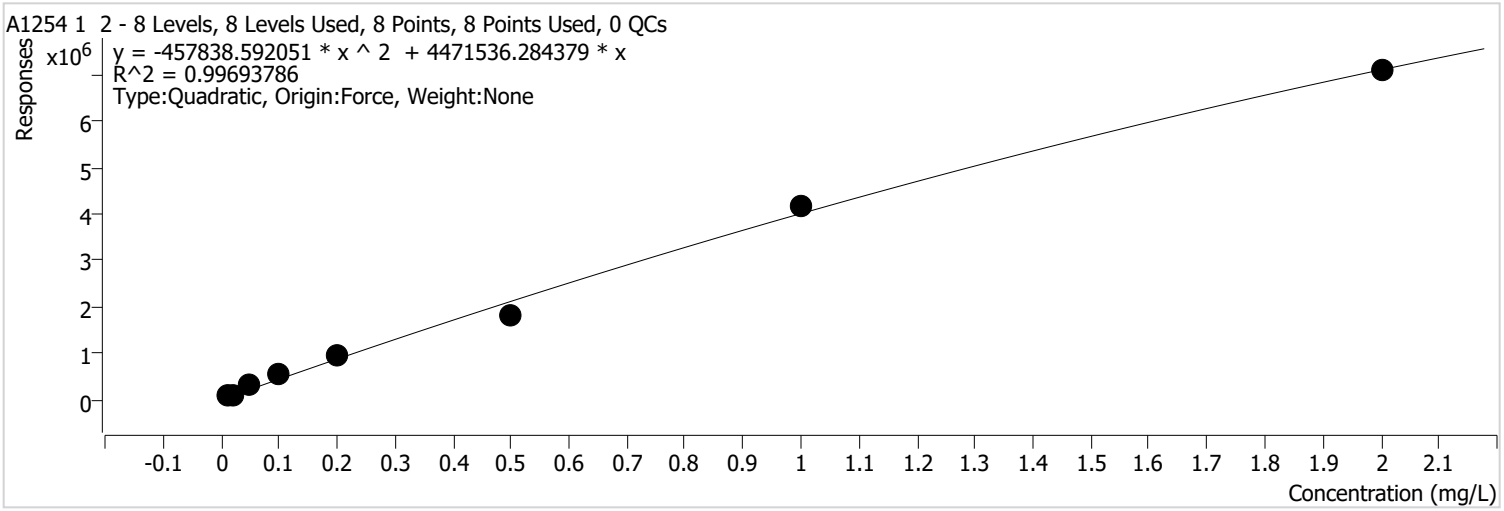
D:\GC-25\Data\210708\070816.D	Calibration	3	x	2792178	10.0000	279217.7970	
D:\GC-25\Data\210708\070817.D	Calibration	4	x	5195570	20.0000	259778.5181	
D:\GC-25\Data\210708\070818.D	Calibration	5	x	9444275	40.0000	236106.8797	
D:\GC-25\Data\210708\070819.D	Calibration	6	x	20003977	100.0000	200039.7698	
D:\GC-25\Data\210708\070820.D	Calibration	7	x	43981654	200.0000	219908.2715	
D:\GC-25\Data\210708\070821.D	Calibration	8	x	87837762	400.0000	219594.4060	

Batch Path	D:\GC-25\Data\210708\QuantResults\1254 CAL.batch.bin		
Analysis Time	7/8/2021 2:36 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 2:38:10 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 2:36 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 1 2 %RSE = 63.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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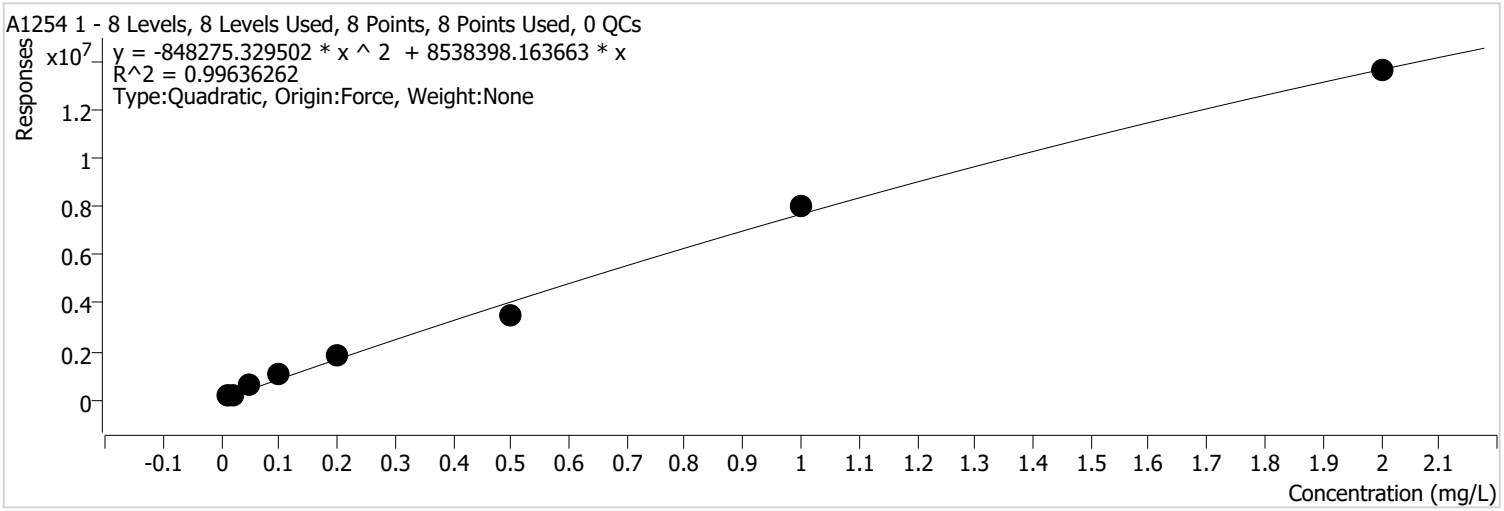
D:\GC-25\Data\210708\070815.D	Calibration	2	x	106625	0.0200	5331235.6014	
D:\GC-25\Data\210708\070816.D	Calibration	3	x	306199	0.0500	6123976.8140	
D:\GC-25\Data\210708\070817.D	Calibration	4	x	554425	0.1000	5544254.2198	
D:\GC-25\Data\210708\070818.D	Calibration	5	x	946364	0.2000	4731821.7112	
D:\GC-25\Data\210708\070819.D	Calibration	6	x	1836983	0.5000	3673966.8553	
D:\GC-25\Data\210708\070820.D	Calibration	7	x	4170335	1.0000	4170335.1198	
D:\GC-25\Data\210708\070821.D	Calibration	8	x	7089290	2.0000	3544645.1360	

Batch Path	D:\GC-25\Data\210708\QuantResults\1254 CAL.batch.bin		
Analysis Time	7/8/2021 2:36 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 2:38:10 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 2:36 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 1 %RSE = 40.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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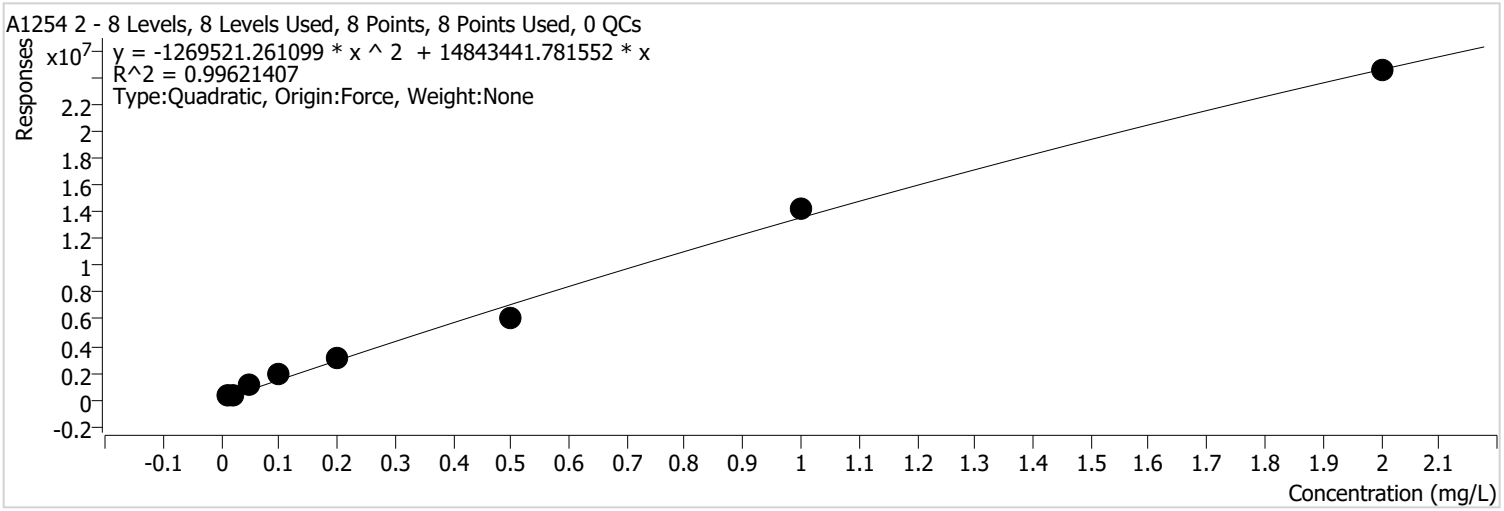
D:\GC-25\Data\210708\070815.D	Calibration	2	x	201296	0.0200	10064803.4767	
D:\GC-25\Data\210708\070816.D	Calibration	3	x	597643	0.0500	11952863.8308	
D:\GC-25\Data\210708\070817.D	Calibration	4	x	1077695	0.1000	10776951.9317	
D:\GC-25\Data\210708\070818.D	Calibration	5	x	1801688	0.2000	9008437.6847	
D:\GC-25\Data\210708\070819.D	Calibration	6	x	3452744	0.5000	6905487.1271	
D:\GC-25\Data\210708\070820.D	Calibration	7	x	8033928	1.0000	8033927.8218	
D:\GC-25\Data\210708\070821.D	Calibration	8	x	13633545	2.0000	6816772.5319	

Batch Path	D:\GC-25\Data\210708\QuantResults\1254 CAL.batch.bin		
Analysis Time	7/8/2021 2:36 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 2:38:10 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 2:36 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 2 %RSE = 44.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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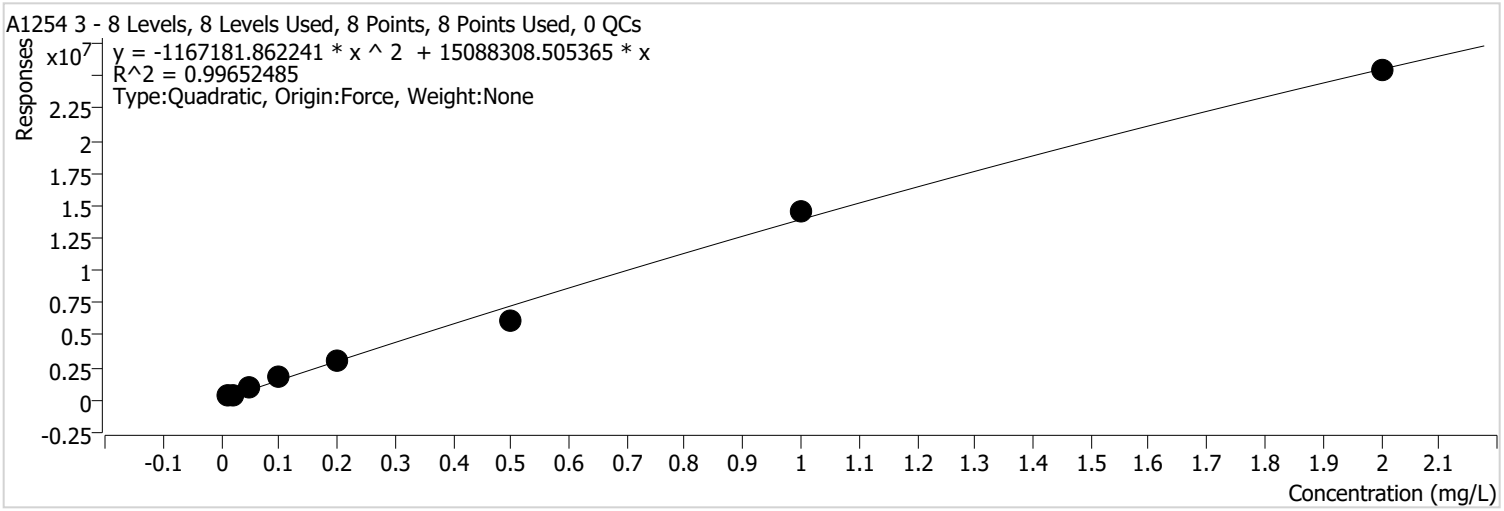
D:\GC-25\Data\210708\070815.D	Calibration	2	x	357903	0.0200	17895173.1811	
D:\GC-25\Data\210708\070816.D	Calibration	3	x	1048122	0.0500	20962433.2187	
D:\GC-25\Data\210708\070817.D	Calibration	4	x	1929067	0.1000	19290670.7278	
D:\GC-25\Data\210708\070818.D	Calibration	5	x	3150064	0.2000	15750319.4410	
D:\GC-25\Data\210708\070819.D	Calibration	6	x	6004460	0.5000	12008919.5047	
D:\GC-25\Data\210708\070820.D	Calibration	7	x	14193406	1.0000	14193405.8265	
D:\GC-25\Data\210708\070821.D	Calibration	8	x	24519002	2.0000	12259501.1548	

Calibration Report

Batch Path	D:\GC-25\Data\210708\QuantResults\1254 CAL.batch.bin		
Analysis Time	7/8/2021 2:36 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 2:38:10 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 2:36 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 3 %RSE = 34.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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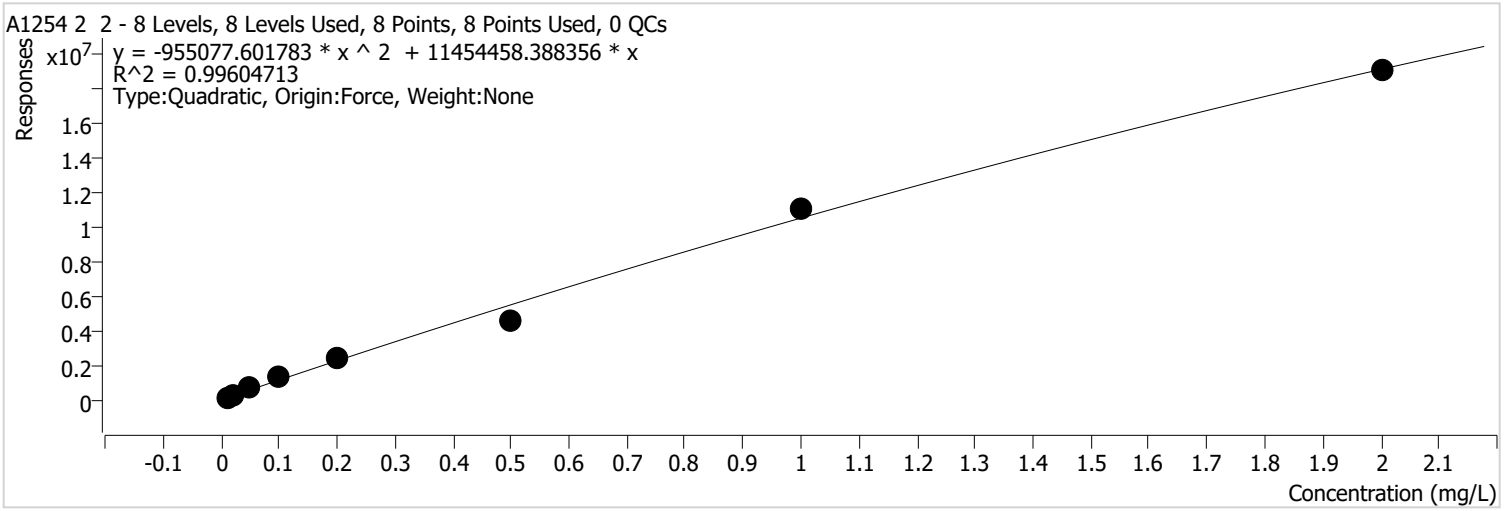
D:\GC-25\Data\210708\070815.D	Calibration	2	x	346627	0.0200	17331330.4352	
D:\GC-25\Data\210708\070816.D	Calibration	3	x	1024729	0.0500	20494577.1998	
D:\GC-25\Data\210708\070817.D	Calibration	4	x	1823649	0.1000	18236488.9450	
D:\GC-25\Data\210708\070818.D	Calibration	5	x	3033358	0.2000	15166788.9392	
D:\GC-25\Data\210708\070819.D	Calibration	6	x	6140697	0.5000	12281393.6865	
D:\GC-25\Data\210708\070820.D	Calibration	7	x	14640113	1.0000	14640112.9500	
D:\GC-25\Data\210708\070821.D	Calibration	8	x	25396004	2.0000	12698002.0959	

Batch Path	D:\GC-25\Data\210708\QuantResults\1254 CAL.batch.bin		
Analysis Time	7/8/2021 2:36 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 2:38:10 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 2:36 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 2 2 %RSE = 26.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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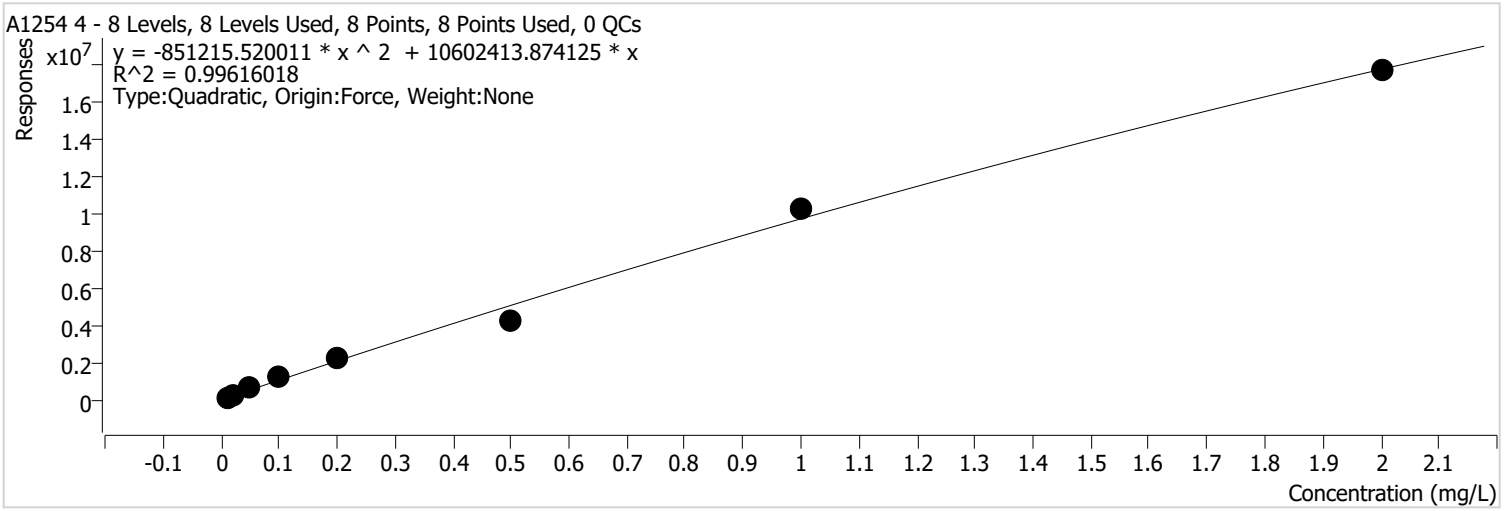
D:\GC-25\Data\210708\070815.D	Calibration	2	x	224287	0.0200	11214367.5000	
D:\GC-25\Data\210708\070816.D	Calibration	3	x	795247	0.0500	15904944.2723	
D:\GC-25\Data\210708\070817.D	Calibration	4	x	1393651	0.1000	13936505.3839	
D:\GC-25\Data\210708\070818.D	Calibration	5	x	2352530	0.2000	11762647.7801	
D:\GC-25\Data\210708\070819.D	Calibration	6	x	4594210	0.5000	9188420.4446	
D:\GC-25\Data\210708\070820.D	Calibration	7	x	11062652	1.0000	11062652.4004	
D:\GC-25\Data\210708\070821.D	Calibration	8	x	19001895	2.0000	9500947.6007	

Batch Path	D:\GC-25\Data\210708\QuantResults\1254 CAL.batch.bin		
Analysis Time	7/8/2021 2:36 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 2:38:10 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 2:36 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 4 %RSE = 27.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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D:\GC-25\Data\210708\070816.D	Calibration	3	x	694414	0.0500	13888278.9581	
D:\GC-25\Data\210708\070817.D	Calibration	4	x	1311637	0.1000	13116372.0051	
D:\GC-25\Data\210708\070818.D	Calibration	5	x	2187921	0.2000	10939606.2430	
D:\GC-25\Data\210708\070819.D	Calibration	6	x	4264722	0.5000	8529443.6676	
D:\GC-25\Data\210708\070820.D	Calibration	7	x	10265539	1.0000	10265538.7867	
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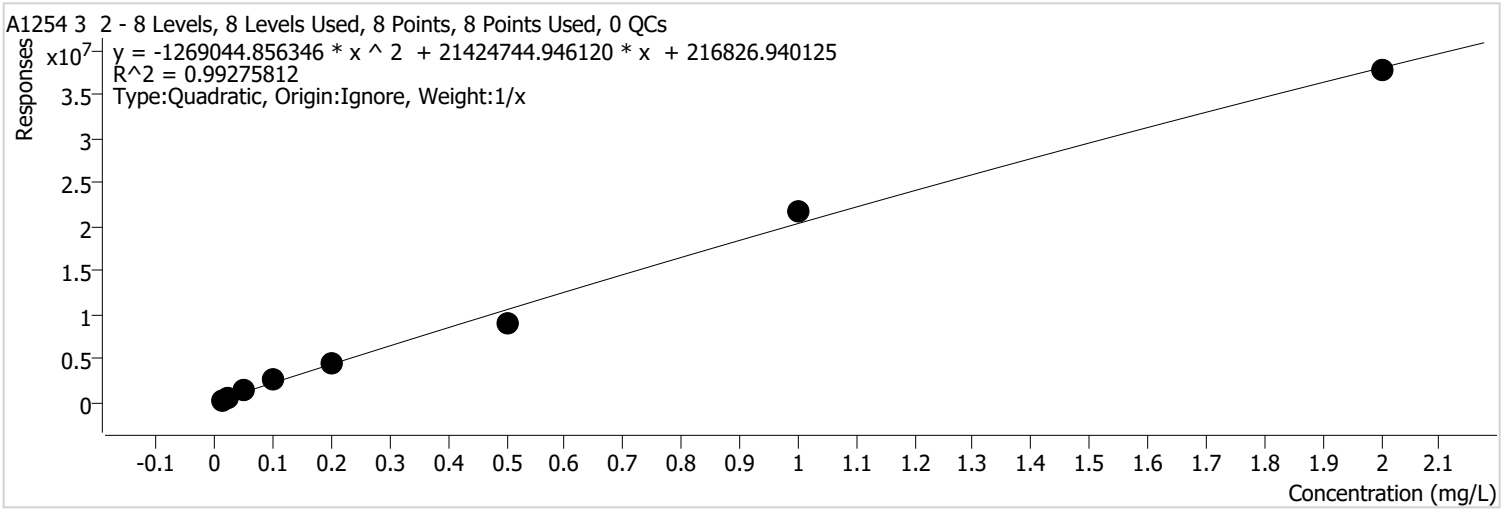
Batch Path	D:\GC-25\Data\210708\QuantResults\1254 CAL.batch.bin		
Analysis Time	7/8/2021 2:36 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 2:38:10 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 2:36 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 3 2 %RSE = 18.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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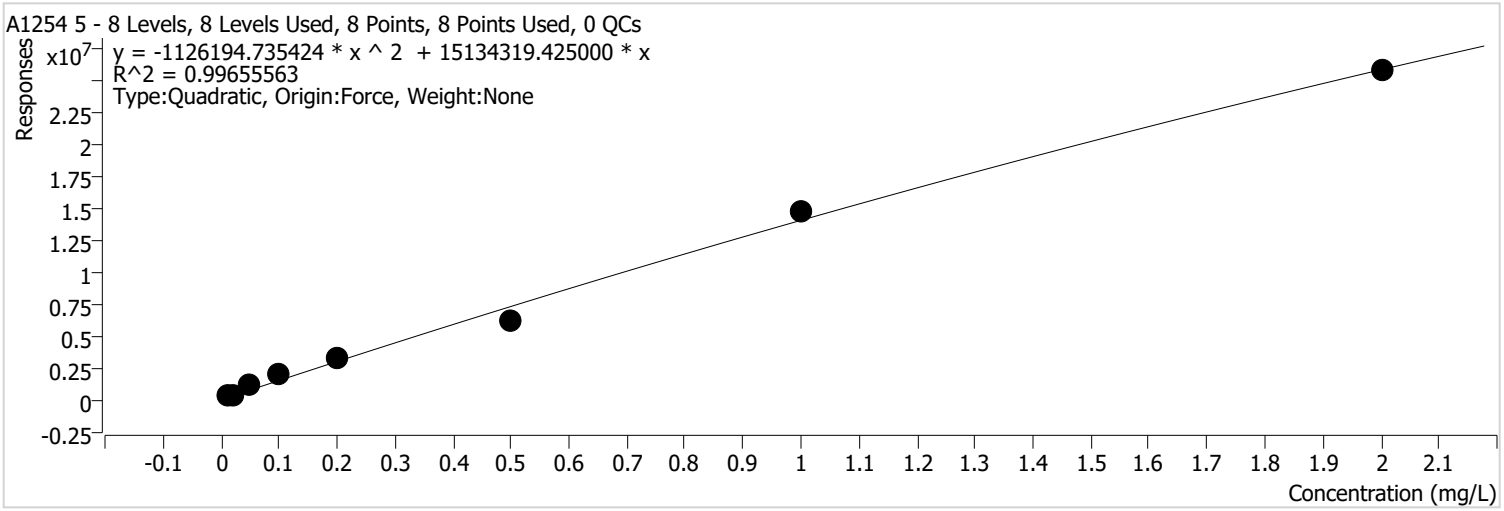
D:\GC-25\Data\210708\070815.D	Calibration	2	x	541654	0.0200	27082684.2851	
D:\GC-25\Data\210708\070816.D	Calibration	3	x	1509220	0.0500	30184406.3263	
D:\GC-25\Data\210708\070817.D	Calibration	4	x	2678487	0.1000	26784869.4860	
D:\GC-25\Data\210708\070818.D	Calibration	5	x	4539004	0.2000	22695022.2031	
D:\GC-25\Data\210708\070819.D	Calibration	6	x	9002928	0.5000	18005856.5977	
D:\GC-25\Data\210708\070820.D	Calibration	7	x	21786112	1.0000	21786112.2109	
D:\GC-25\Data\210708\070821.D	Calibration	8	x	37655684	2.0000	18827841.8148	

Batch Path	D:\GC-25\Data\210708\QuantResults\1254 CAL.batch.bin		
Analysis Time	7/8/2021 2:36 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 2:38:10 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 2:36 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

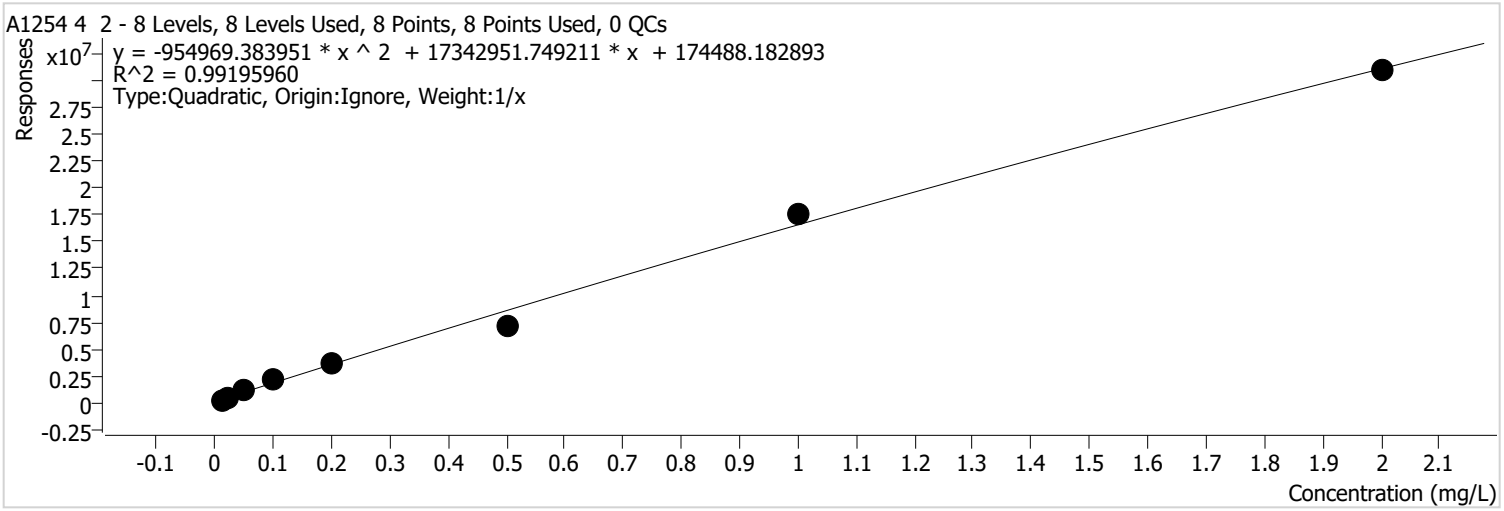
A1254 5 %RSE = 51.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070814.D	Calibration	1	x	297554	0.0100	29755428.6523	
D:\GC-25\Data\210708\070815.D	Calibration	2	x	382176	0.0200	19108814.1276	
D:\GC-25\Data\210708\070816.D	Calibration	3	x	1098464	0.0500	21969280.8194	
D:\GC-25\Data\210708\070817.D	Calibration	4	x	1944974	0.1000	19449742.6929	
D:\GC-25\Data\210708\070818.D	Calibration	5	x	3211720	0.2000	16058601.2298	
D:\GC-25\Data\210708\070819.D	Calibration	6	x	6195917	0.5000	12391834.8348	
D:\GC-25\Data\210708\070820.D	Calibration	7	x	14618824	1.0000	14618824.1644	
D:\GC-25\Data\210708\070821.D	Calibration	8	x	25675658	2.0000	12837828.9169	

Batch Path	D:\GC-25\Data\210708\QuantResults\1254 CAL.batch.bin		
Analysis Time	7/8/2021 2:36 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 2:38:10 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 2:36 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

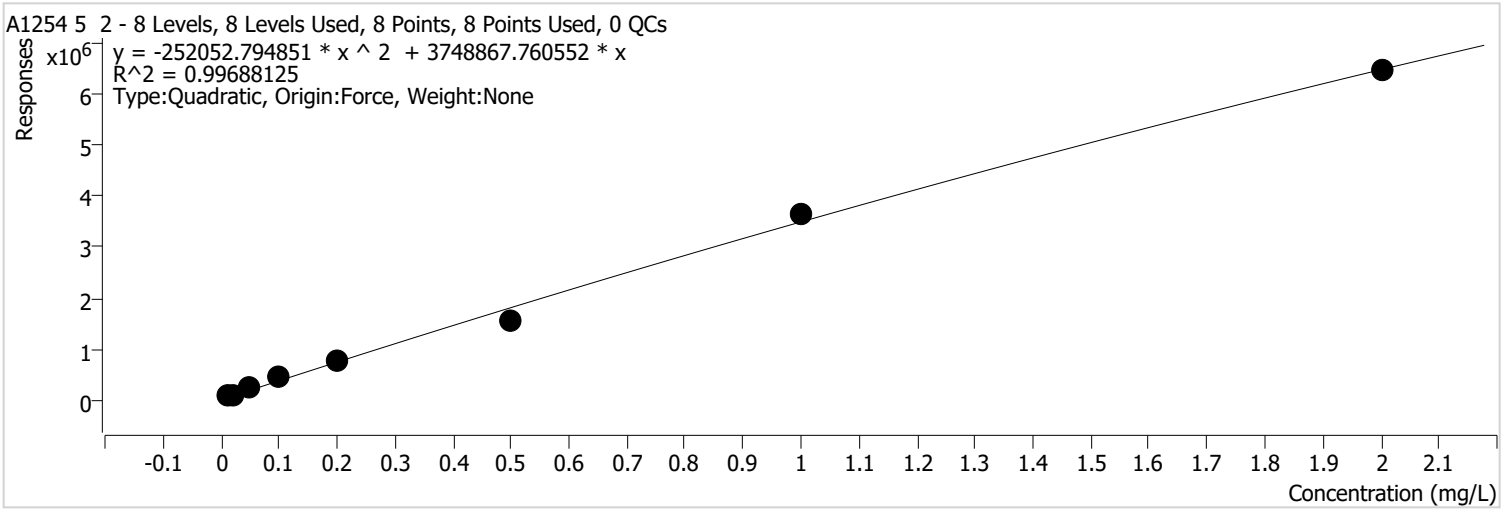
A1254 4 2 %RSE = 20.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070814.D	Calibration	1	x	326456	0.0100	32645619.9861	
D:\GC-25\Data\210708\070815.D	Calibration	2	x	434520	0.0200	21725988.9436	
D:\GC-25\Data\210708\070816.D	Calibration	3	x	1258009	0.0500	25160170.5615	
D:\GC-25\Data\210708\070817.D	Calibration	4	x	2230866	0.1000	22308663.9899	
D:\GC-25\Data\210708\070818.D	Calibration	5	x	3726733	0.2000	18633663.6993	
D:\GC-25\Data\210708\070819.D	Calibration	6	x	7235840	0.5000	14471680.8784	
D:\GC-25\Data\210708\070820.D	Calibration	7	x	17557203	1.0000	17557202.8789	
D:\GC-25\Data\210708\070821.D	Calibration	8	x	30852729	2.0000	15426364.3216	

Batch Path	D:\GC-25\Data\210708\QuantResults\1254 CAL.batch.bin		
Analysis Time	7/8/2021 2:36 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 2:38:10 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 2:36 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

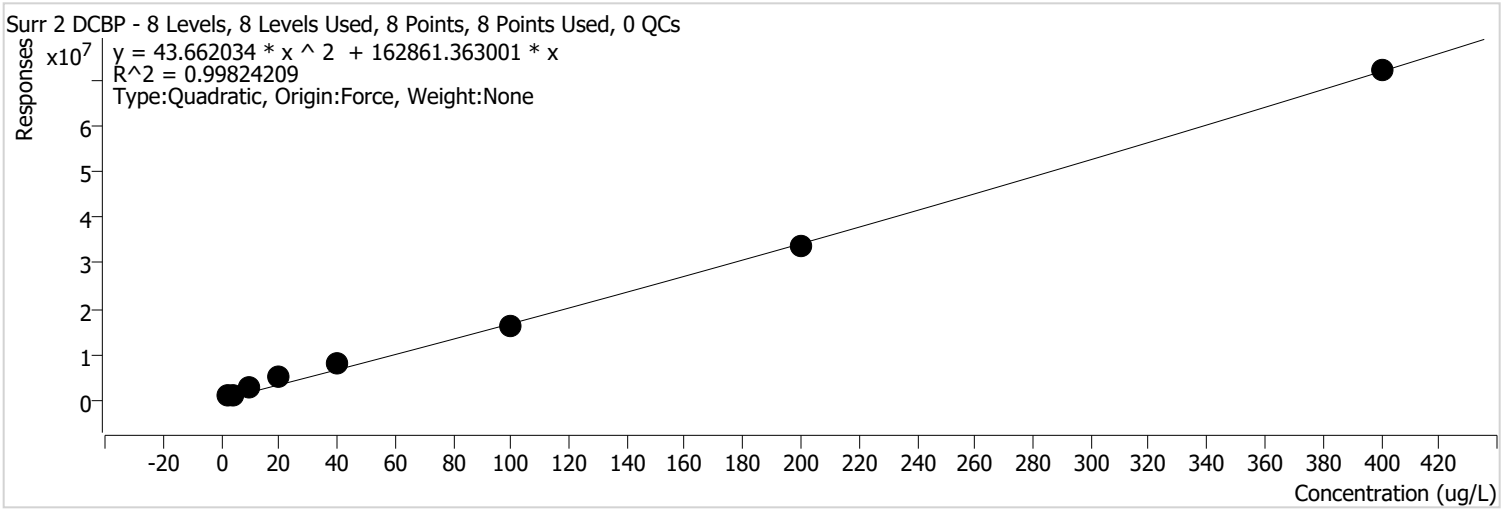
A1254 5 2 %RSE = 42.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070814.D	Calibration	1	x	67939	0.0100	6793947.9421	
D:\GC-25\Data\210708\070815.D	Calibration	2	x	82571	0.0200	4128570.5047	
D:\GC-25\Data\210708\070816.D	Calibration	3	x	254626	0.0500	5092514.2580	
D:\GC-25\Data\210708\070817.D	Calibration	4	x	462384	0.1000	4623837.7002	
D:\GC-25\Data\210708\070818.D	Calibration	5	x	785437	0.2000	3927186.5912	
D:\GC-25\Data\210708\070819.D	Calibration	6	x	1544153	0.5000	3088306.2446	
D:\GC-25\Data\210708\070820.D	Calibration	7	x	3656171	1.0000	3656170.8858	
D:\GC-25\Data\210708\070821.D	Calibration	8	x	6465663	2.0000	3232831.5837	

Batch Path	D:\GC-25\Data\210708\QuantResults\1254 CAL.batch.bin		
Analysis Time	7/8/2021 2:36 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 2:38:10 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 2:36 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

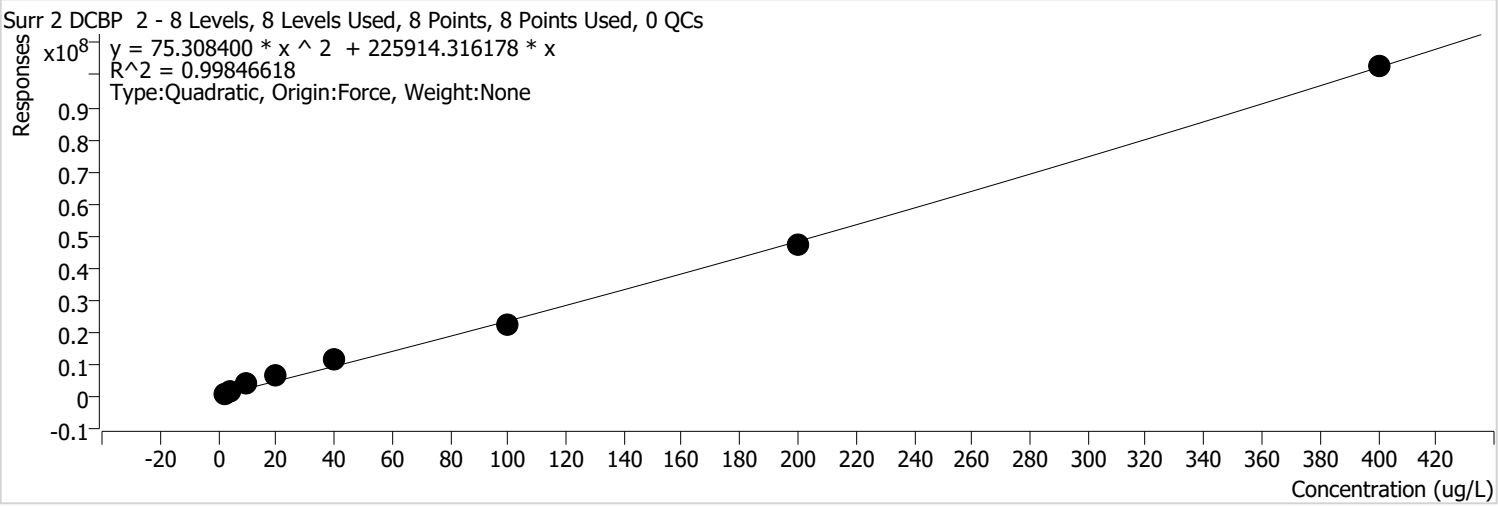
Surr 2 DCBP %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070814.D	Calibration	1	x	717289	2.0000	358644.6652	
D:\GC-25\Data\210708\070815.D	Calibration	2	x	1065630	4.0000	266407.6176	
D:\GC-25\Data\210708\070816.D	Calibration	3	x	2819983	10.0000	281998.3078	
D:\GC-25\Data\210708\070817.D	Calibration	4	x	4854930	20.0000	242746.4999	
D:\GC-25\Data\210708\070818.D	Calibration	5	x	8196114	40.0000	204902.8622	
D:\GC-25\Data\210708\070819.D	Calibration	6	x	16201184	100.0000	162011.8425	
D:\GC-25\Data\210708\070820.D	Calibration	7	x	33689544	200.0000	168447.7211	
D:\GC-25\Data\210708\070821.D	Calibration	8	x	72299510	400.0000	180748.7744	

Batch Path	D:\GC-25\Data\210708\QuantResults\1254 CAL.batch.bin		
Analysis Time	7/8/2021 2:36 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 2:38:10 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 2:36 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 2 DCBP 2 %RSE =

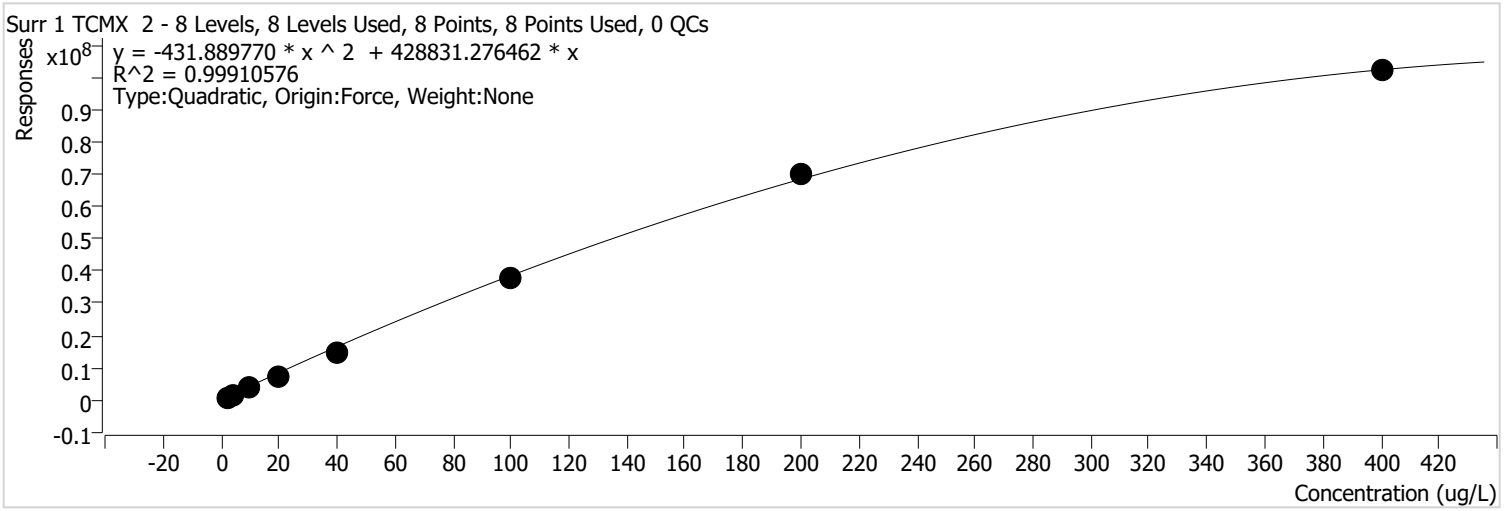


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070814.D	Calibration	1	x	959912	2.0000	479956.0133	
D:\GC-25\Data\210708\070815.D	Calibration	2	x	1428473	4.0000	357118.2785	
D:\GC-25\Data\210708\070816.D	Calibration	3	x	3832719	10.0000	383271.8812	
D:\GC-25\Data\210708\070817.D	Calibration	4	x	6641780	20.0000	332088.9985	
D:\GC-25\Data\210708\070818.D	Calibration	5	x	11309107	40.0000	282727.6786	
D:\GC-25\Data\210708\070819.D	Calibration	6	x	22549119	100.0000	225491.1874	
D:\GC-25\Data\210708\070820.D	Calibration	7	x	47435743	200.0000	237178.7126	
D:\GC-25\Data\210708\070821.D	Calibration	8	x	102626849	400.0000	256567.1231	

Calibration Report

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:22 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

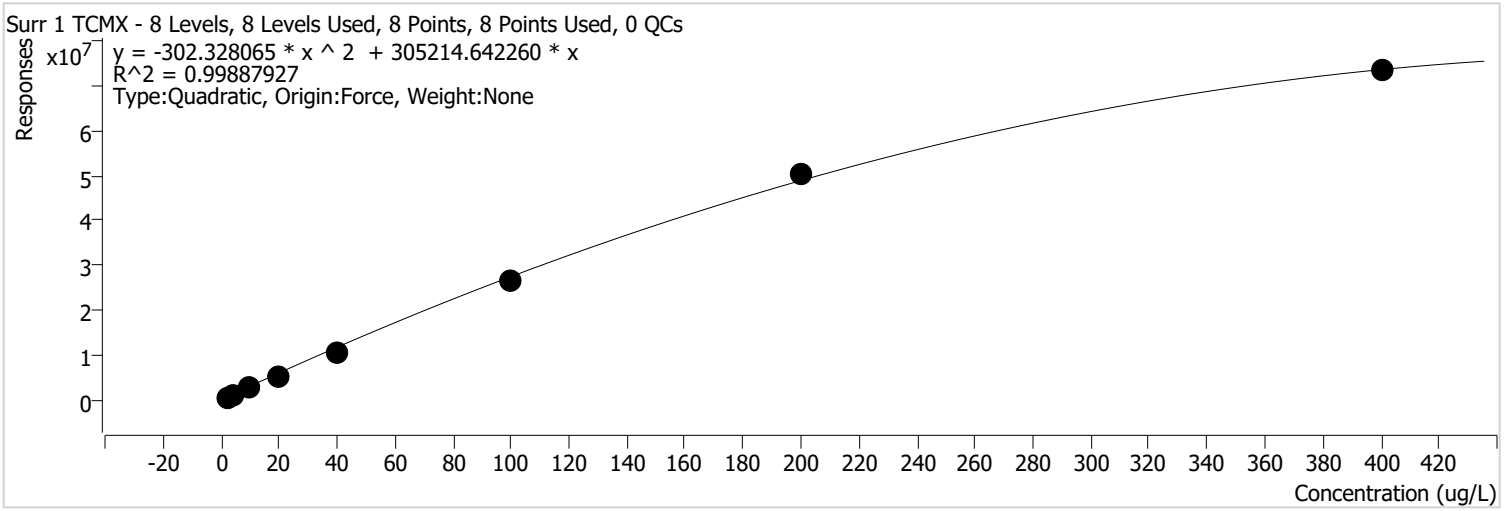
Surr 1 TCMX 2 %RSE = 10.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	827507	2.0000	413753.3286	
D:\GC-25\Data\210708\070805.D	Calibration	2	x	1665593	4.0000	416398.1615	
D:\GC-25\Data\210708\070806.D	Calibration	3	x	3600665	10.0000	360066.5050	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	7392418	20.0000	369620.9054	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	14736927	40.0000	368423.1785	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	37409818	100.0000	374098.1777	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	70234854	200.0000	351174.2686	
D:\GC-25\Data\210708\070811.D	Calibration	8	x	102086440	400.0000	255216.1006	

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:23 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 1 TCMX %RSE = 9.2

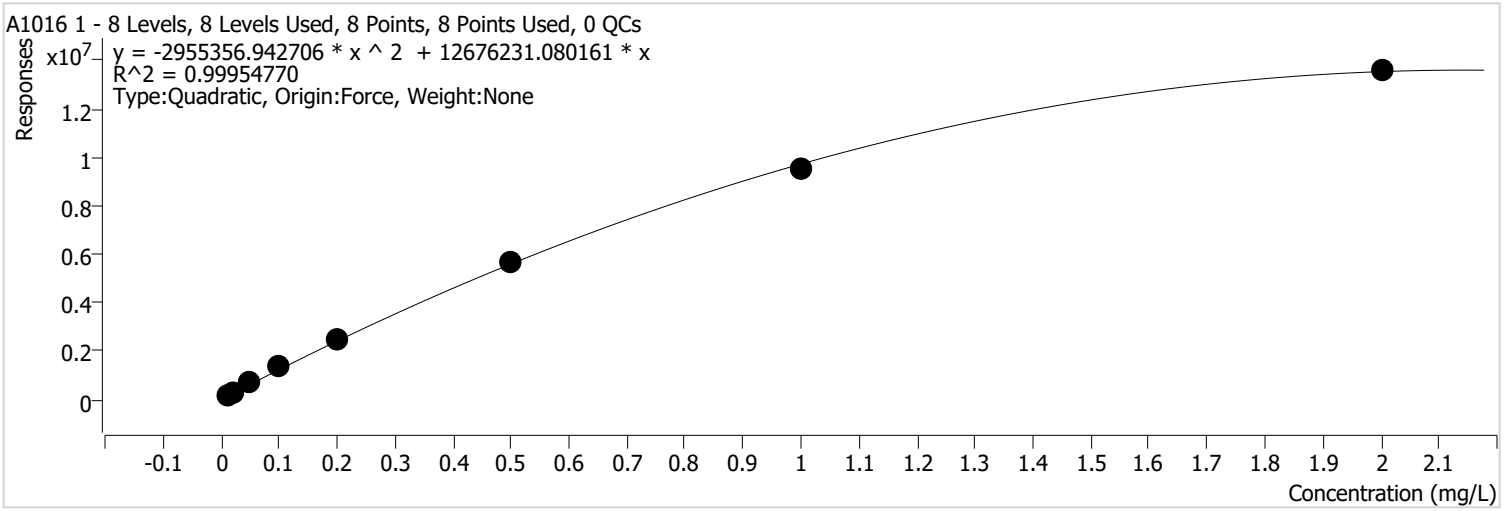


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	619494	2.0000	309746.8403	
D:\GC-25\Data\210708\070805.D	Calibration	2	x	1247092	4.0000	311772.8798	
D:\GC-25\Data\210708\070806.D	Calibration	3	x	2683354	10.0000	268335.4333	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	5339183	20.0000	266959.1687	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	10444962	40.0000	261124.0399	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	26346534	100.0000	263465.3427	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	50428275	200.0000	252141.3757	
D:\GC-25\Data\210708\070811.D	Calibration	8	x	73430345	400.0000	183575.8626	

Calibration Report

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:23 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

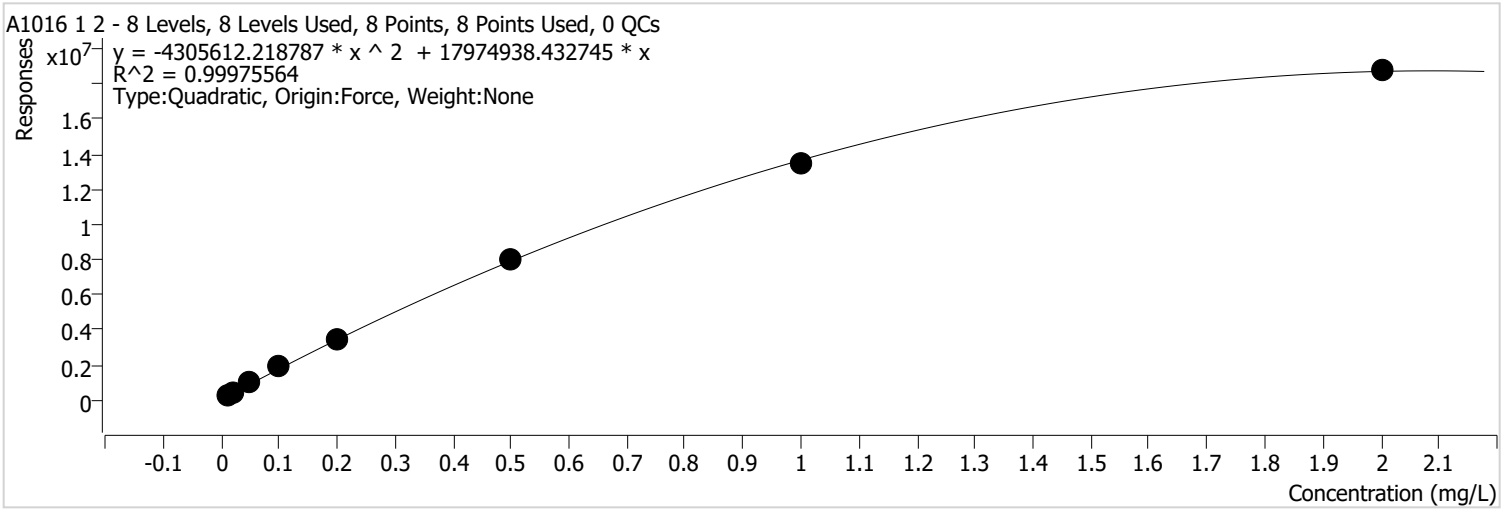
A1016 1 %RSE = 21.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	168566	0.0100	16856619.3667	
D:\GC-25\Data\210708\070805.D	Calibration	2	x	326054	0.0200	16302676.2799	
D:\GC-25\Data\210708\070806.D	Calibration	3	x	699898	0.0500	13997960.6129	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	1367360	0.1000	13673603.4977	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	2497558	0.2000	12487787.8537	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	5726104	0.5000	11452208.9750	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	9561278	1.0000	9561277.9827	
D:\GC-25\Data\210708\070811.D	Calibration	8	x	13561824	2.0000	6780911.9190	

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:23 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

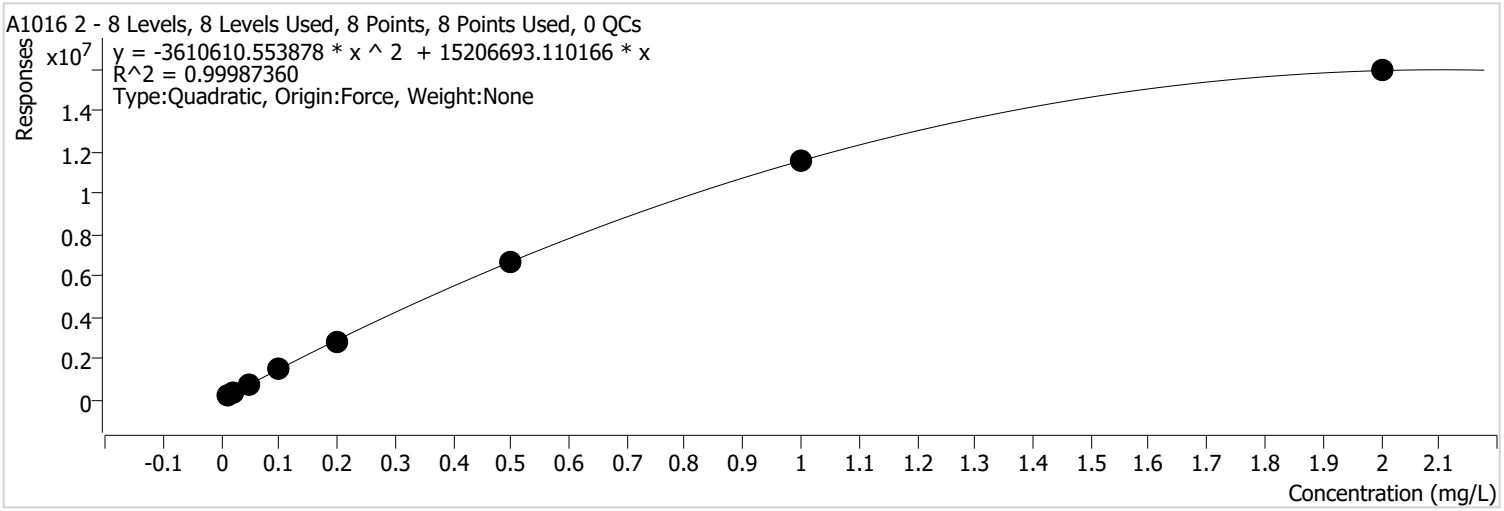
A1016 1 2 %RSE = 17.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	226740	0.0100	22673972.1390	
D:\GC-25\Data\210708\070805.D	Calibration	2	x	452180	0.0200	22609021.5334	
D:\GC-25\Data\210708\070806.D	Calibration	3	x	979258	0.0500	19585158.6146	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	1885267	0.1000	18852670.0950	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	3486408	0.2000	17432041.7752	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	8037762	0.5000	16075523.7687	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	13512953	1.0000	13512953.2136	
D:\GC-25\Data\210708\070811.D	Calibration	8	x	18757572	2.0000	9378785.7801	

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:23 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

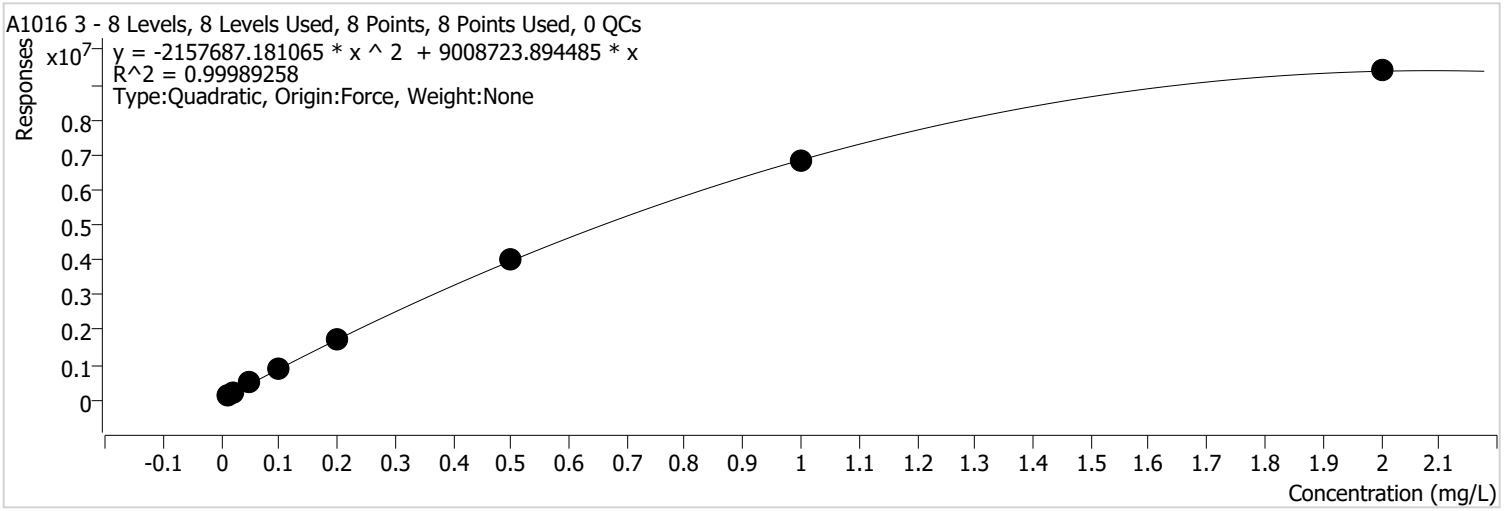
A1016 2 %RSE = 8.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	171402	0.0100	17140211.0556	
D:\GC-25\Data\210708\070805.D	Calibration	2	x	340802	0.0200	17040118.2794	
D:\GC-25\Data\210708\070806.D	Calibration	3	x	746105	0.0500	14922108.1089	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	1451303	0.1000	14513032.3814	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	2738761	0.2000	13693804.5221	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	6708392	0.5000	13416784.1269	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	11652170	1.0000	11652169.5719	
D:\GC-25\Data\210708\070811.D	Calibration	8	x	15958105	2.0000	7979052.3738	

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:23 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

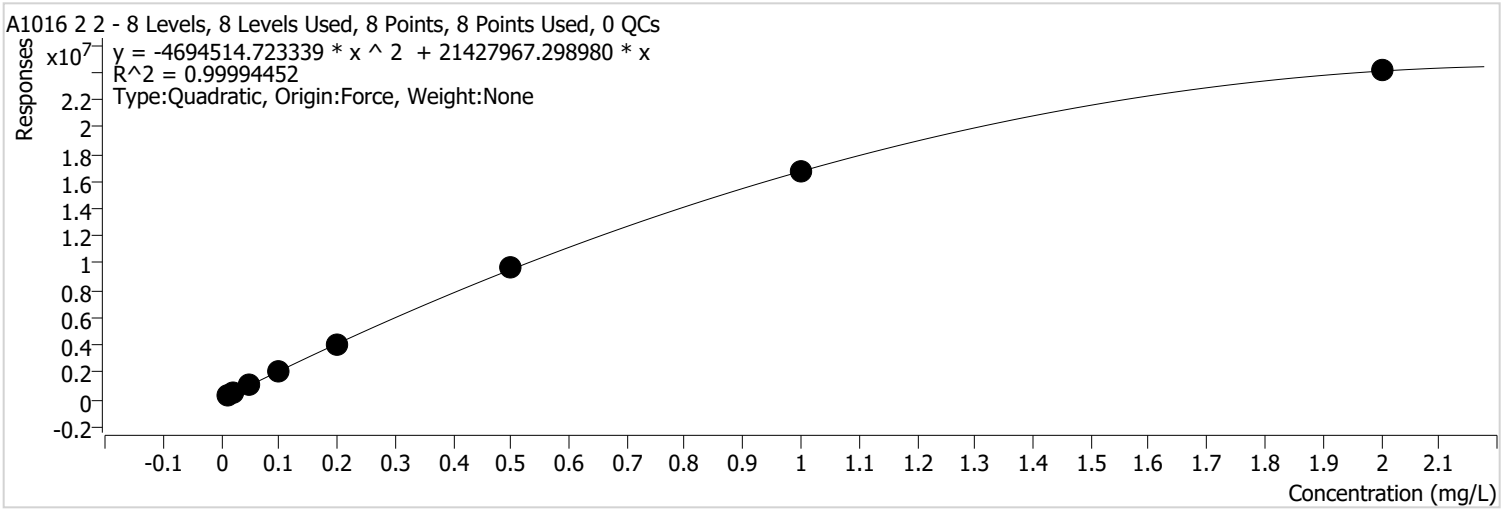
A1016 3 %RSE = 11.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	106224	0.0100	10622404.5598	
D:\GC-25\Data\210708\070805.D	Calibration	2	x	209681	0.0200	10484026.3281	
D:\GC-25\Data\210708\070806.D	Calibration	3	x	472690	0.0500	9453798.6382	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	908382	0.1000	9083816.7907	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	1763800	0.2000	8819001.0775	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	3998469	0.5000	7996938.8152	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	6798729	1.0000	6798729.0393	
D:\GC-25\Data\210708\070811.D	Calibration	8	x	9397103	2.0000	4698551.6672	

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:23 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

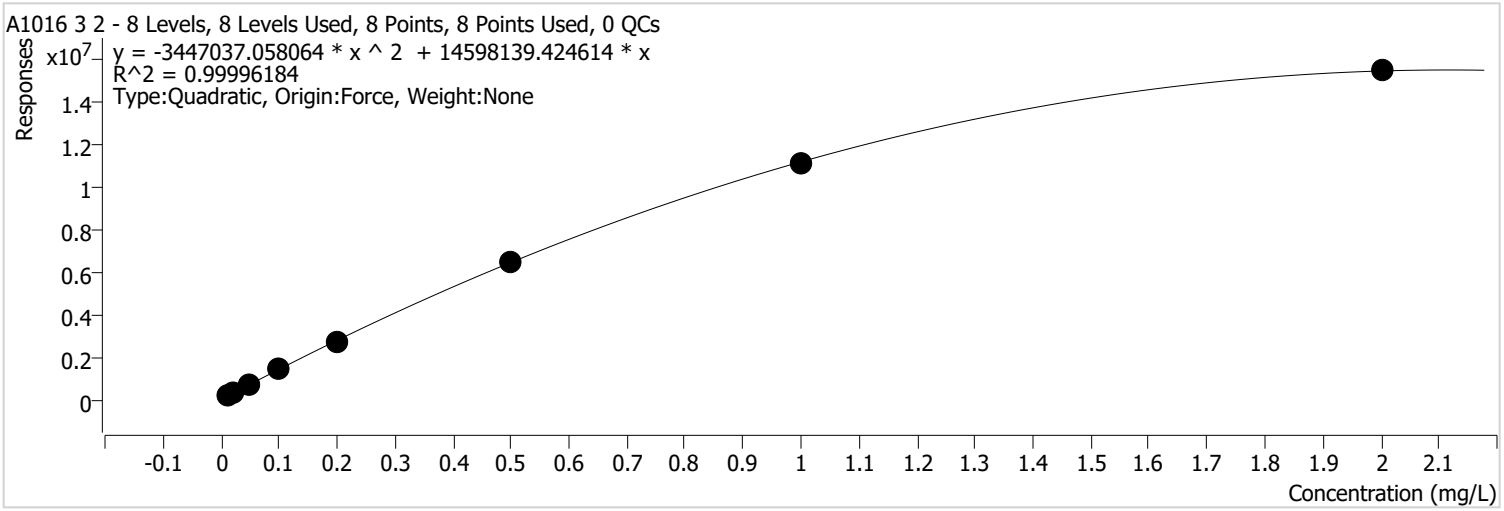
A1016 2 2 %RSE = 8.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	243761	0.0100	24376120.9640	
D:\GC-25\Data\210708\070805.D	Calibration	2	x	479782	0.0200	23989124.7320	
D:\GC-25\Data\210708\070806.D	Calibration	3	x	1010634	0.0500	20212677.6069	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	2085953	0.1000	20859528.5536	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	4128787	0.2000	20643936.4167	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	9658029	0.5000	19316058.0181	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	16638008	1.0000	16638008.4419	
D:\GC-25\Data\210708\070811.D	Calibration	8	x	24094122	2.0000	12047060.8485	

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:23 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

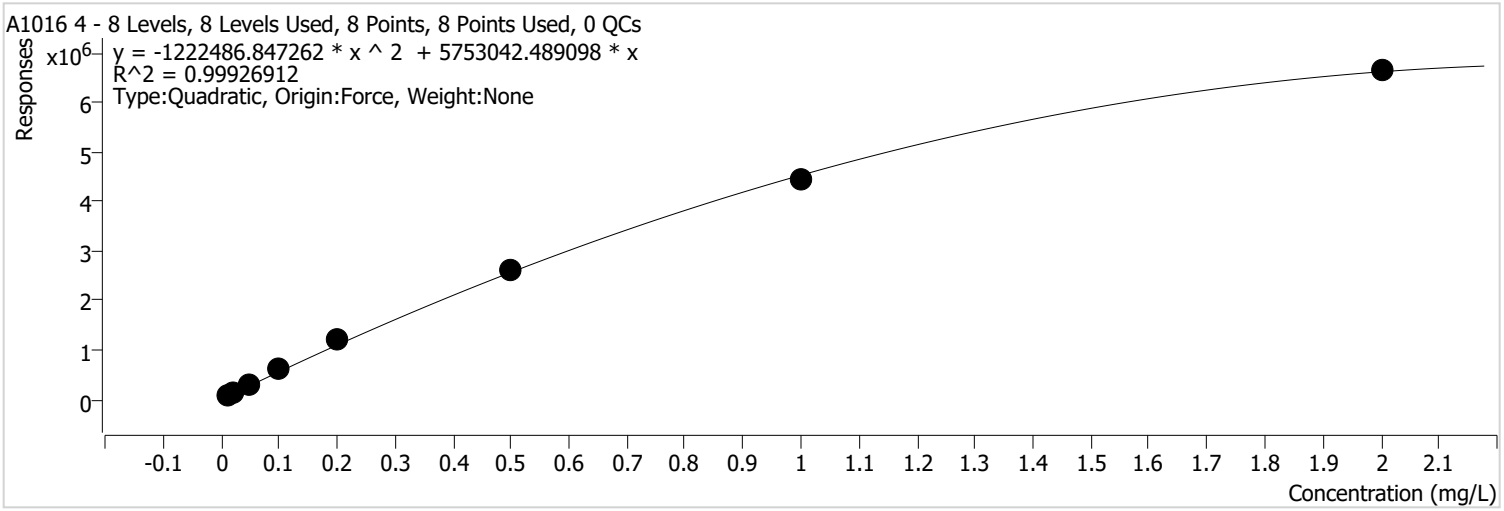
A1016 3 2 %RSE = 9.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	167195	0.0100	16719536.4068	
D:\GC-25\Data\210708\070805.D	Calibration	2	x	336030	0.0200	16801505.6741	
D:\GC-25\Data\210708\070806.D	Calibration	3	x	731503	0.0500	14630059.9547	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	1439135	0.1000	14391346.3665	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	2739909	0.2000	13699545.4499	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	6492839	0.5000	12985677.1003	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	11118673	1.0000	11118672.9074	
D:\GC-25\Data\210708\070811.D	Calibration	8	x	15413140	2.0000	7706569.9519	

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:23 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

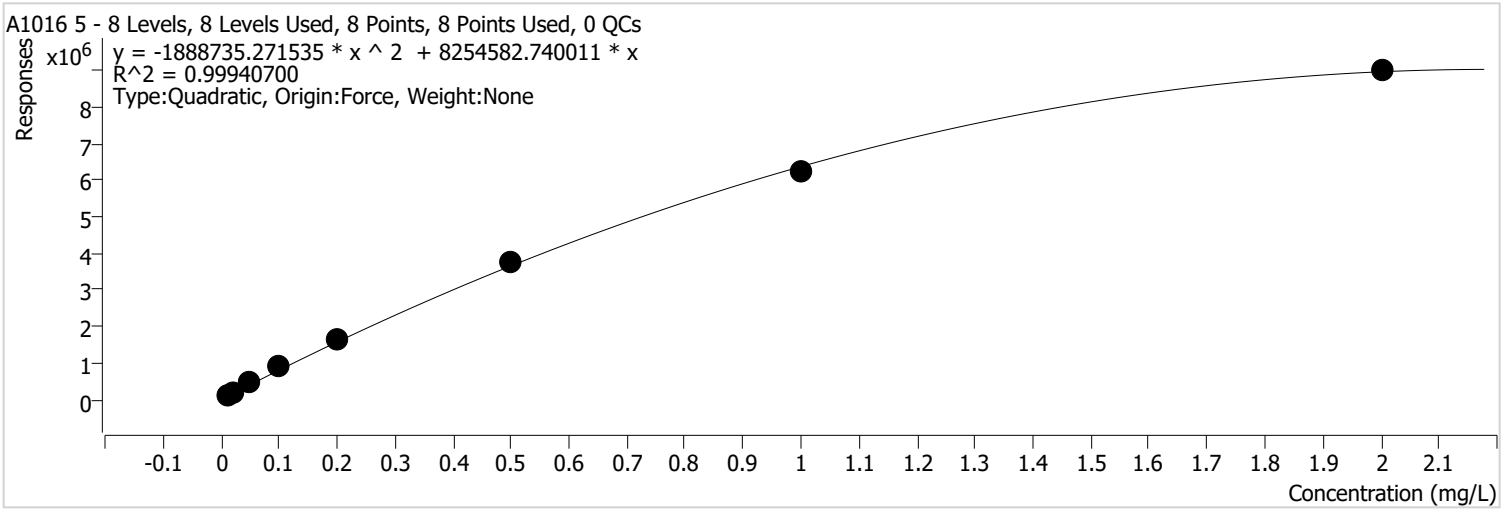
A1016 4 %RSE = 25.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	80854	0.0100	8085355.4815	
D:\GC-25\Data\210708\070805.D	Calibration	2	x	151902	0.0200	7595077.1918	
D:\GC-25\Data\210708\070806.D	Calibration	3	x	319298	0.0500	6385966.8461	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	641752	0.1000	6417522.6177	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	1203144	0.2000	6015719.6069	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	2612351	0.5000	5224702.5070	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	4442674	1.0000	4442674.1346	
D:\GC-25\Data\210708\070811.D	Calibration	8	x	6634280	2.0000	3317140.0971	

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:23 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

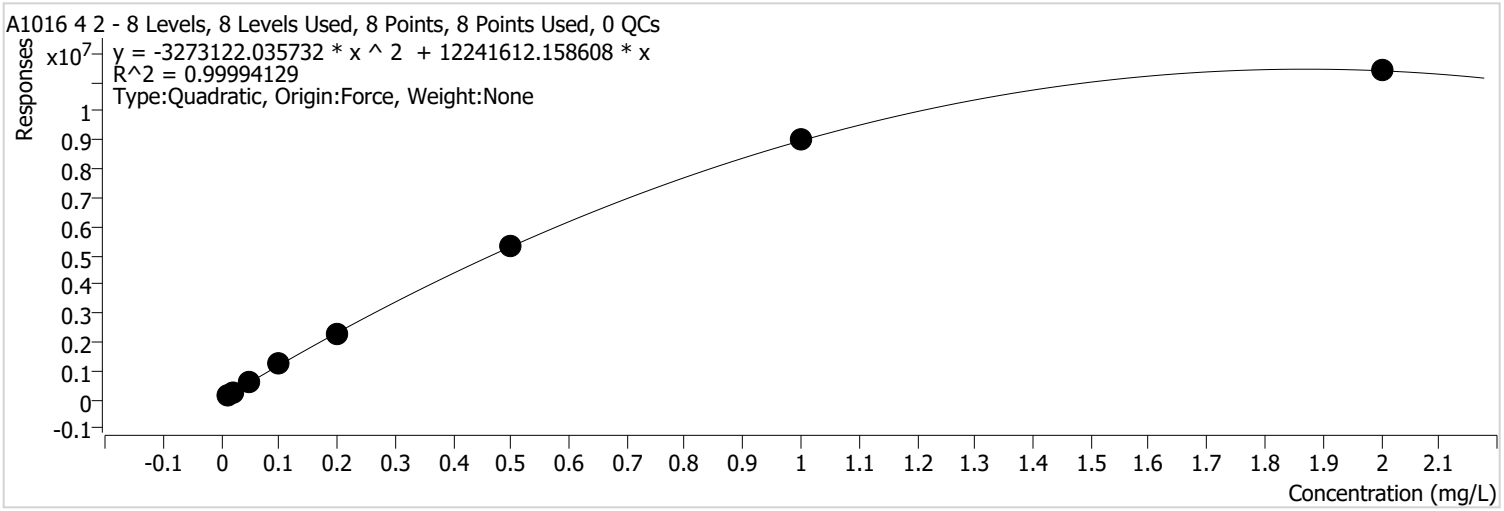
A1016 5 %RSE = 19.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	106639	0.0100	10663914.5930	
D:\GC-25\Data\210708\070805.D	Calibration	2	x	205942	0.0200	10297103.9393	
D:\GC-25\Data\210708\070806.D	Calibration	3	x	450306	0.0500	9006125.0710	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	895512	0.1000	8955124.7226	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	1626046	0.2000	8130232.1995	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	3770233	0.5000	7540466.1998	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	6238105	1.0000	6238104.9059	
D:\GC-25\Data\210708\070811.D	Calibration	8	x	8978204	2.0000	4489102.1682	

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:23 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

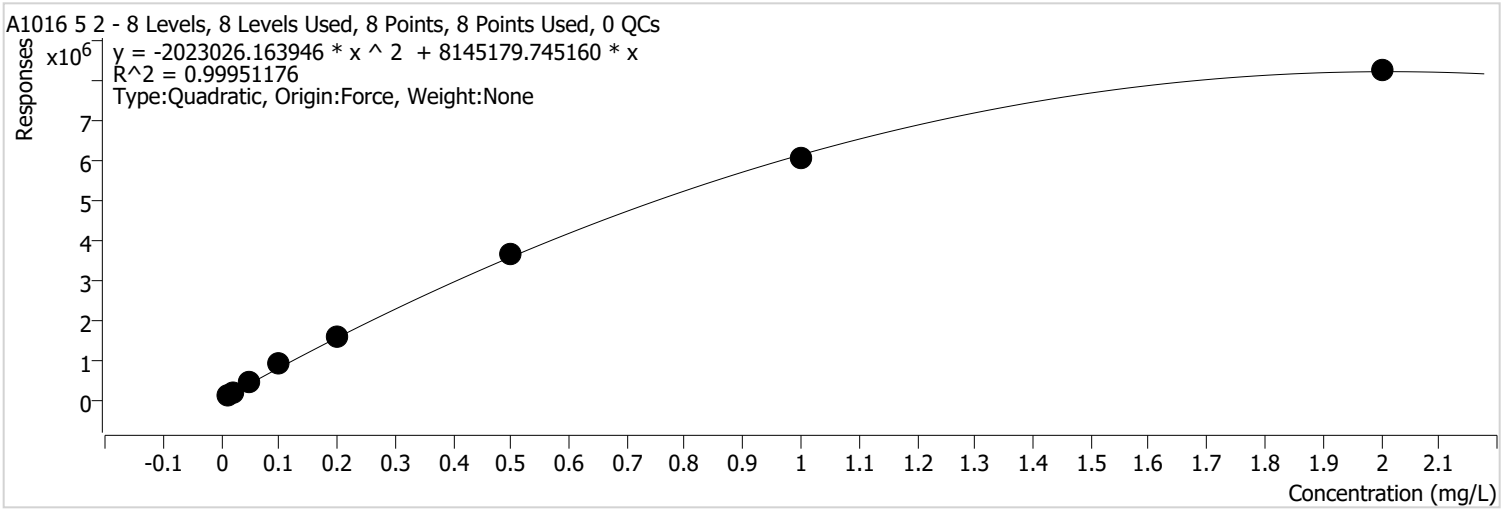
A1016 4 2 %RSE = 13.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	144507	0.0100	14450718.2546	
D:\GC-25\Data\210708\070805.D	Calibration	2	x	292156	0.0200	14607802.7829	
D:\GC-25\Data\210708\070806.D	Calibration	3	x	625478	0.0500	12509565.2489	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	1221824	0.1000	12218236.9713	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	2264085	0.2000	11320425.1827	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	5287988	0.5000	10575976.5519	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	8988335	1.0000	8988334.7057	
D:\GC-25\Data\210708\070811.D	Calibration	8	x	11387122	2.0000	5693560.9194	

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:23 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

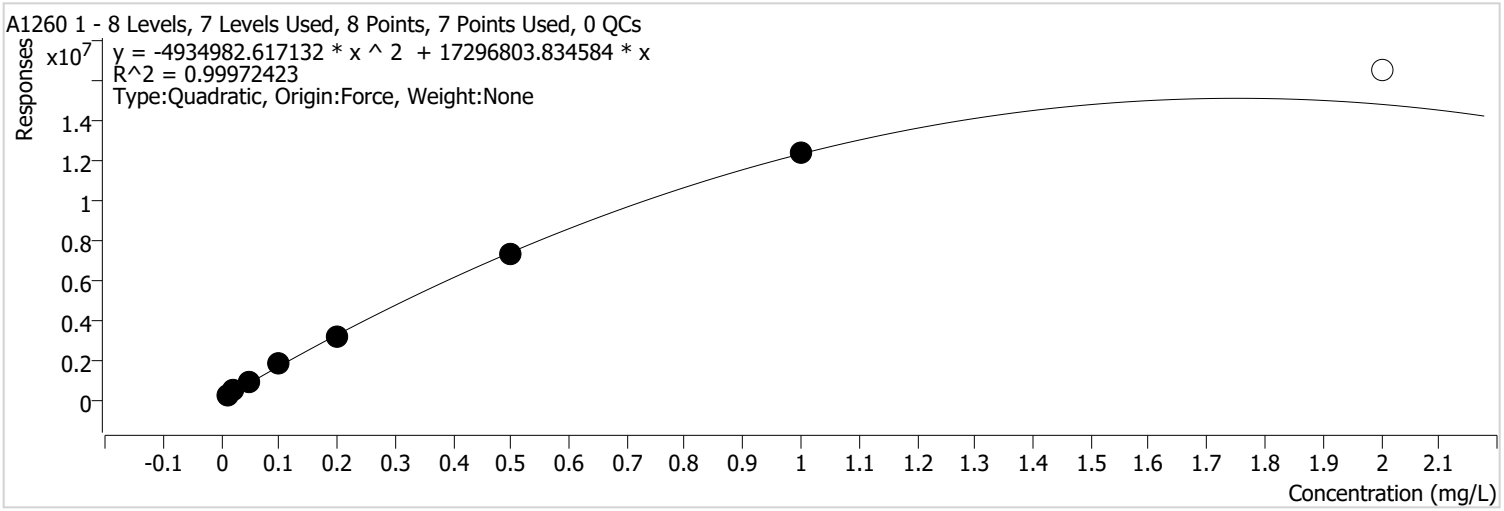
A1016 5 2 %RSE = 18.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	101066	0.0100	10106593.7228	
D:\GC-25\Data\210708\070805.D	Calibration	2	x	198317	0.0200	9915851.9453	
D:\GC-25\Data\210708\070806.D	Calibration	3	x	438460	0.0500	8769202.5899	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	879799	0.1000	8797986.4768	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	1585025	0.2000	7925125.2935	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	3660020	0.5000	7320040.1875	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	6017365	1.0000	6017364.7874	
D:\GC-25\Data\210708\070811.D	Calibration	8	x	8218018	2.0000	4109009.1010	

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:23 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

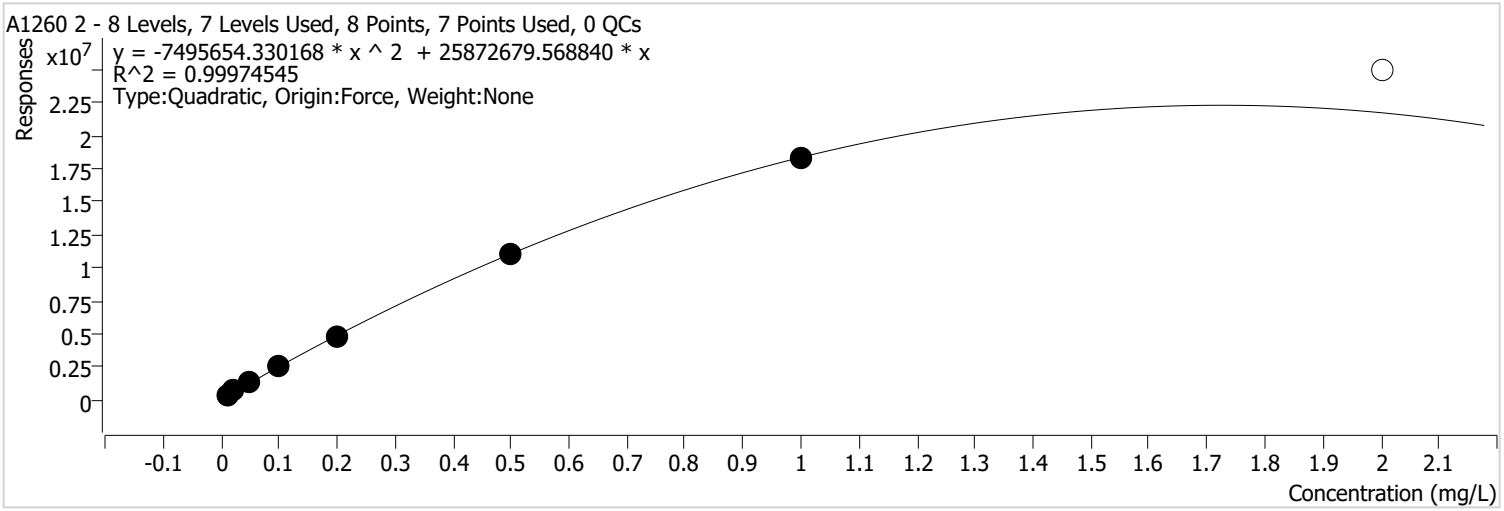
A1260 1 %RSE = 23.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	236992	0.0100	23699198.6496	
D:\GC-25\Data\210708\070805.D	Calibration	2	x	436398	0.0200	21819880.4046	
D:\GC-25\Data\210708\070806.D	Calibration	3	x	930693	0.0500	18613858.6889	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	1783301	0.1000	17833005.2143	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	3198728	0.2000	15993639.1923	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	7393399	0.5000	14786797.2426	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	12368396	1.0000	12368396.3717	
D:\GC-25\Data\210708\070811.D	Calibration	8		16534450	2.0000	8267224.9042	

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:23 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

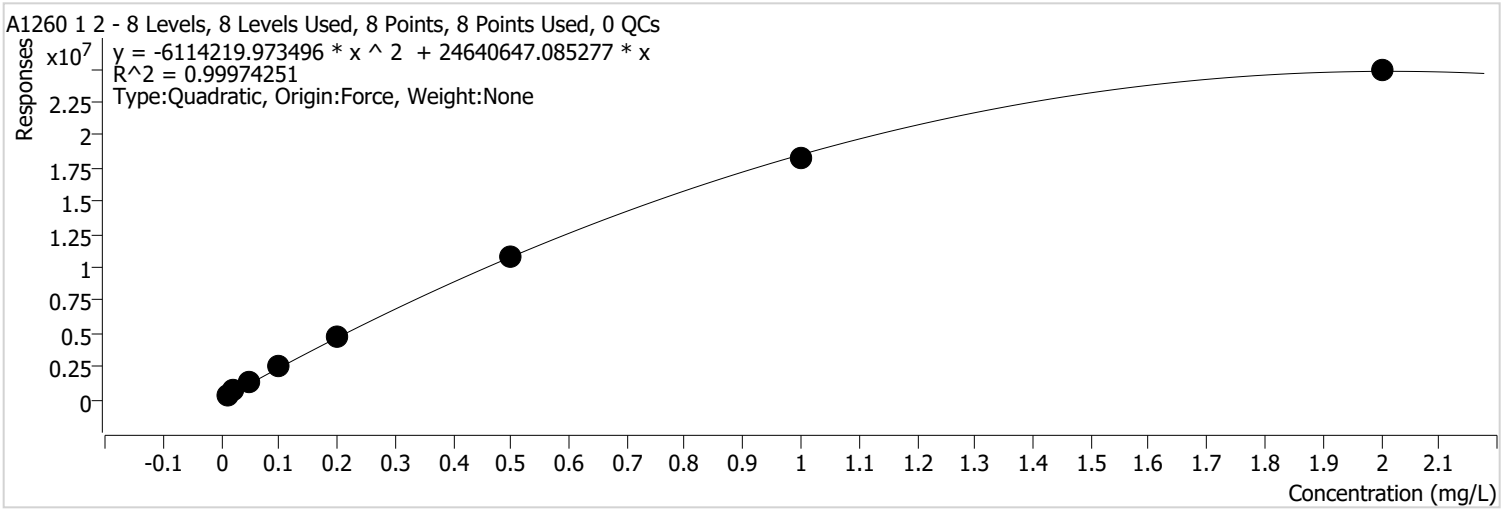
A1260 2 %RSE = 23.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	341964	0.0100	34196405.2277	
D:\GC-25\Data\210708\070805.D	Calibration	2	x	674246	0.0200	33712305.1442	
D:\GC-25\Data\210708\070806.D	Calibration	3	x	1391433	0.0500	27828665.9169	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	2642538	0.1000	26425383.6875	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	4811927	0.2000	24059636.8268	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	11017729	0.5000	22035458.8745	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	18389045	1.0000	18389044.7942	
D:\GC-25\Data\210708\070811.D	Calibration	8		24932656	2.0000	12466327.8292	

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:23 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

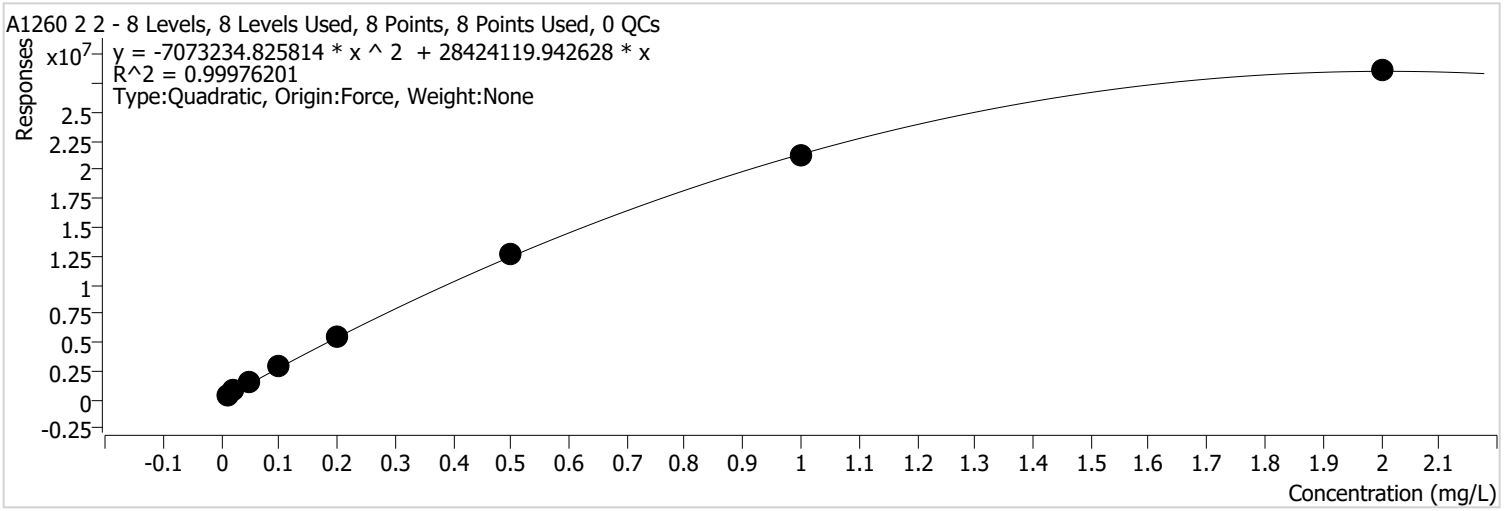
A1260 1 2 %RSE = 28.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	342891	0.0100	34289086.5060	
D:\GC-25\Data\210708\070805.D	Calibration	2	x	670075	0.0200	33503743.4858	
D:\GC-25\Data\210708\070806.D	Calibration	3	x	1377774	0.0500	27555481.4719	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	2596113	0.1000	25961134.2514	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	4741208	0.2000	23706038.1898	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	10911600	0.5000	21823199.2530	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	18354346	1.0000	18354345.8155	
D:\GC-25\Data\210708\070811.D	Calibration	8	x	24858765	2.0000	12429382.3353	

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:23 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

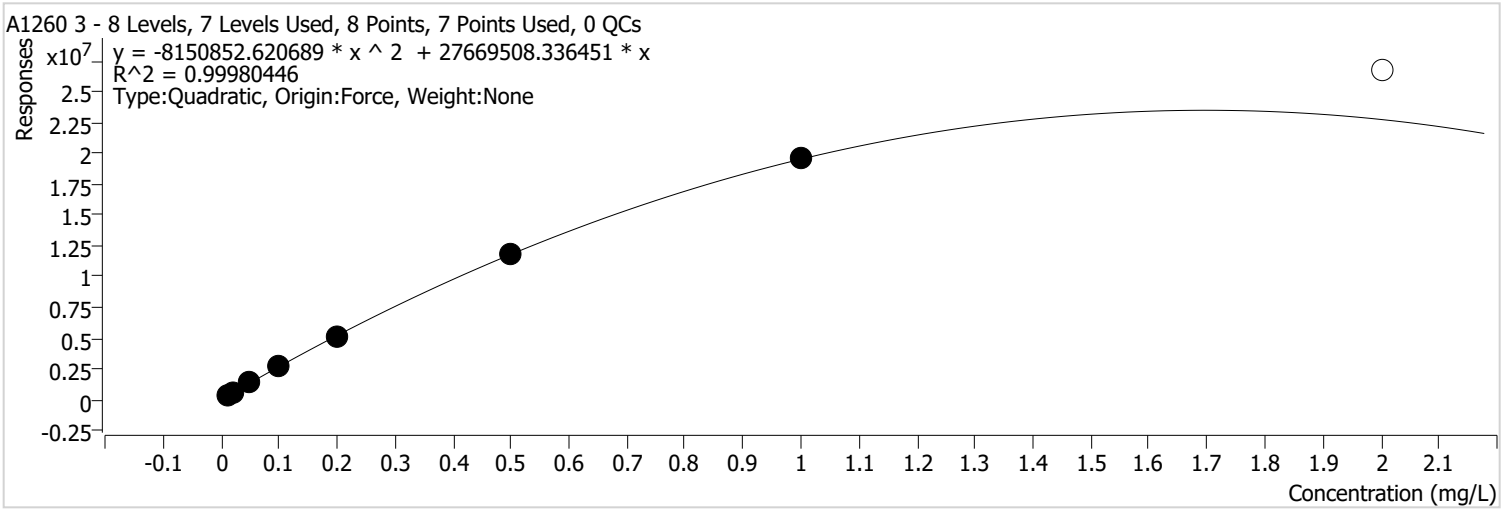
A1260 2 2 %RSE = 26.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	385032	0.0100	38503171.1855	
D:\GC-25\Data\210708\070805.D	Calibration	2	x	763206	0.0200	38160292.0713	
D:\GC-25\Data\210708\070806.D	Calibration	3	x	1559905	0.0500	31198091.8493	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	2994165	0.1000	29941646.1334	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	5439747	0.2000	27198733.5882	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	12597104	0.5000	25194208.2156	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	21154881	1.0000	21154881.4675	
D:\GC-25\Data\210708\070811.D	Calibration	8	x	28593662	2.0000	14296831.0884	

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:23 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

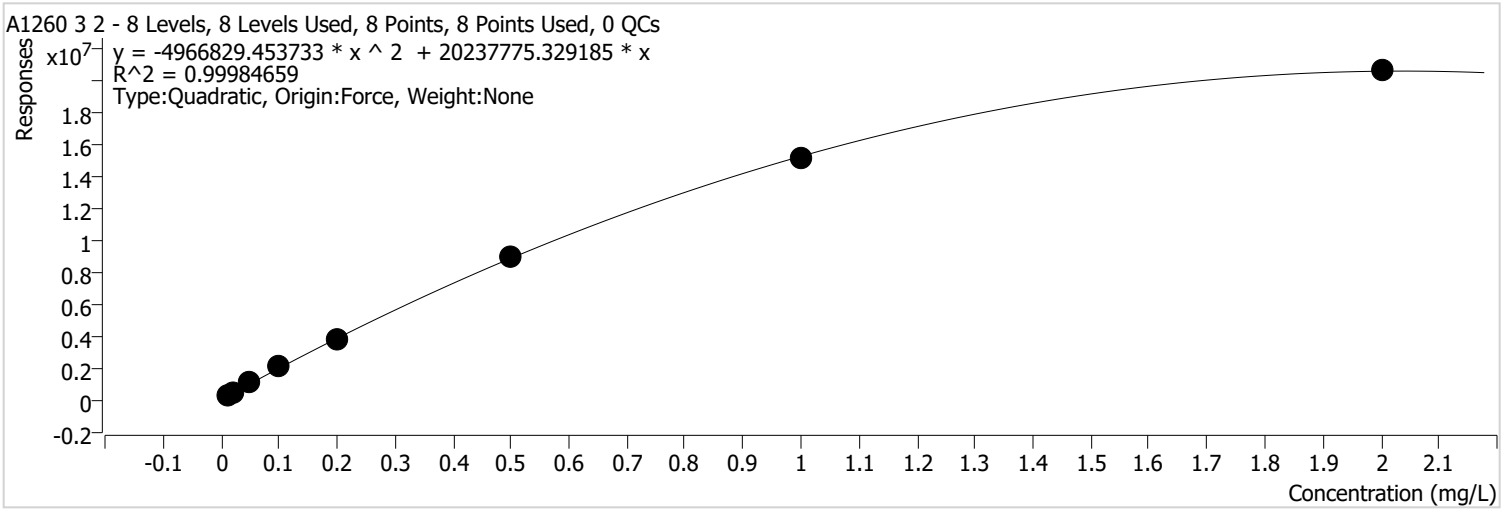
A1260 3 %RSE = 16.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	343886	0.0100	34388600.3233	
D:\GC-25\Data\210708\070805.D	Calibration	2	x	667817	0.0200	33390847.1799	
D:\GC-25\Data\210708\070806.D	Calibration	3	x	1417958	0.0500	28359165.5000	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	2787101	0.1000	27871005.2500	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	5044849	0.2000	25224243.8750	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	11842433	0.5000	23684865.9456	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	19512621	1.0000	19512620.8697	
D:\GC-25\Data\210708\070811.D	Calibration	8		26677066	2.0000	13338532.9482	

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:23 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

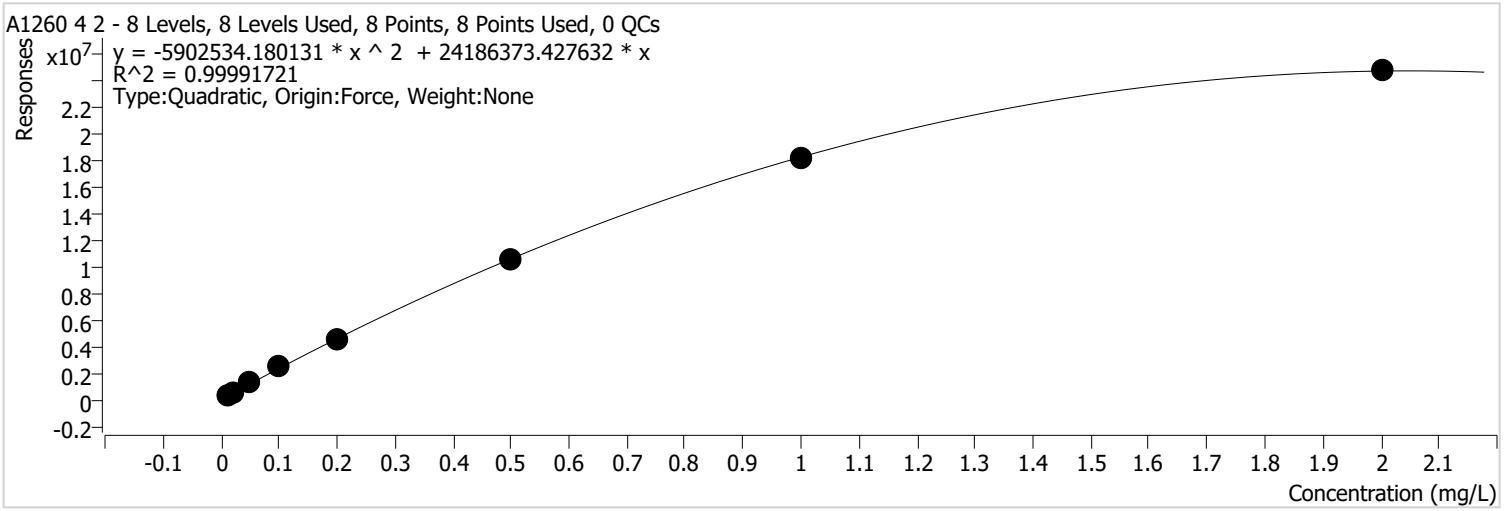
A1260 3 2 %RSE = 18.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	254194	0.0100	25419351.6387	
D:\GC-25\Data\210708\070805.D	Calibration	2	x	503386	0.0200	25169309.3975	
D:\GC-25\Data\210708\070806.D	Calibration	3	x	1079242	0.0500	21584848.2838	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	2106519	0.1000	21065190.1176	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	3806750	0.2000	19033752.0328	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	8989935	0.5000	17979869.2078	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	15163587	1.0000	15163586.5121	
D:\GC-25\Data\210708\070811.D	Calibration	8	x	20628055	2.0000	10314027.3022	

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:23 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

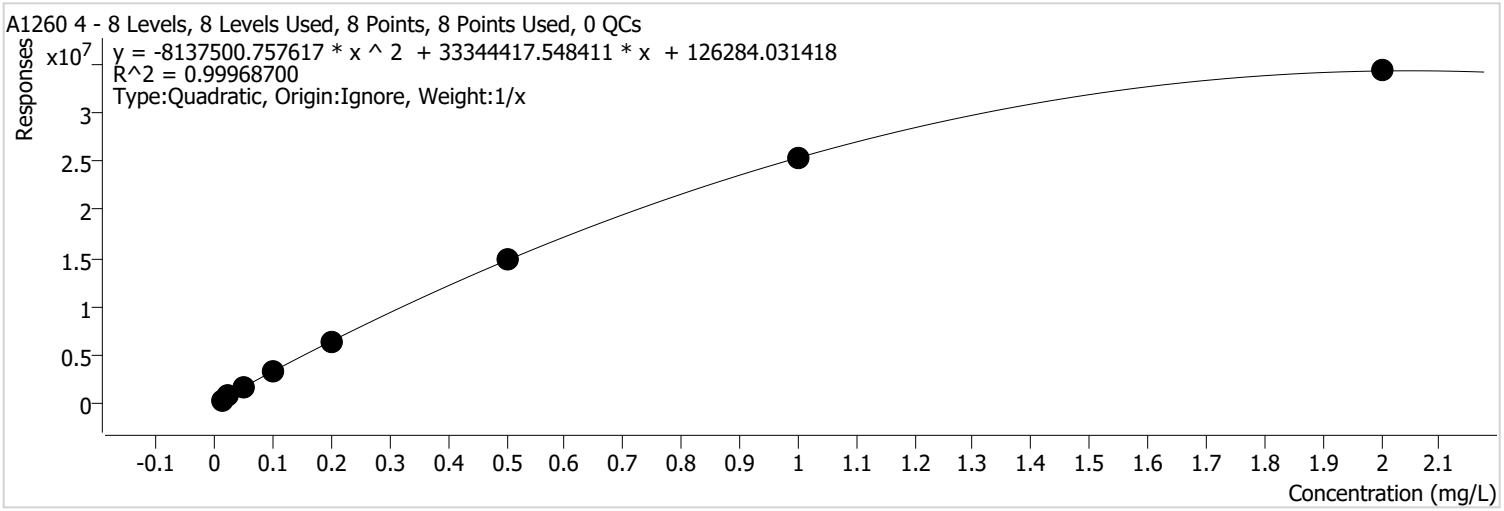
A1260 4 2 %RSE = 16.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	299346	0.0100	29934555.1632	
D:\GC-25\Data\210708\070805.D	Calibration	2	x	603869	0.0200	30193451.8136	
D:\GC-25\Data\210708\070806.D	Calibration	3	x	1298685	0.0500	25973707.2722	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	2485863	0.1000	24858625.6183	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	4622751	0.2000	23113752.6059	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	10629233	0.5000	21258465.9220	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	18227165	1.0000	18227165.2721	
D:\GC-25\Data\210708\070811.D	Calibration	8	x	24775438	2.0000	12387719.2321	

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:23 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

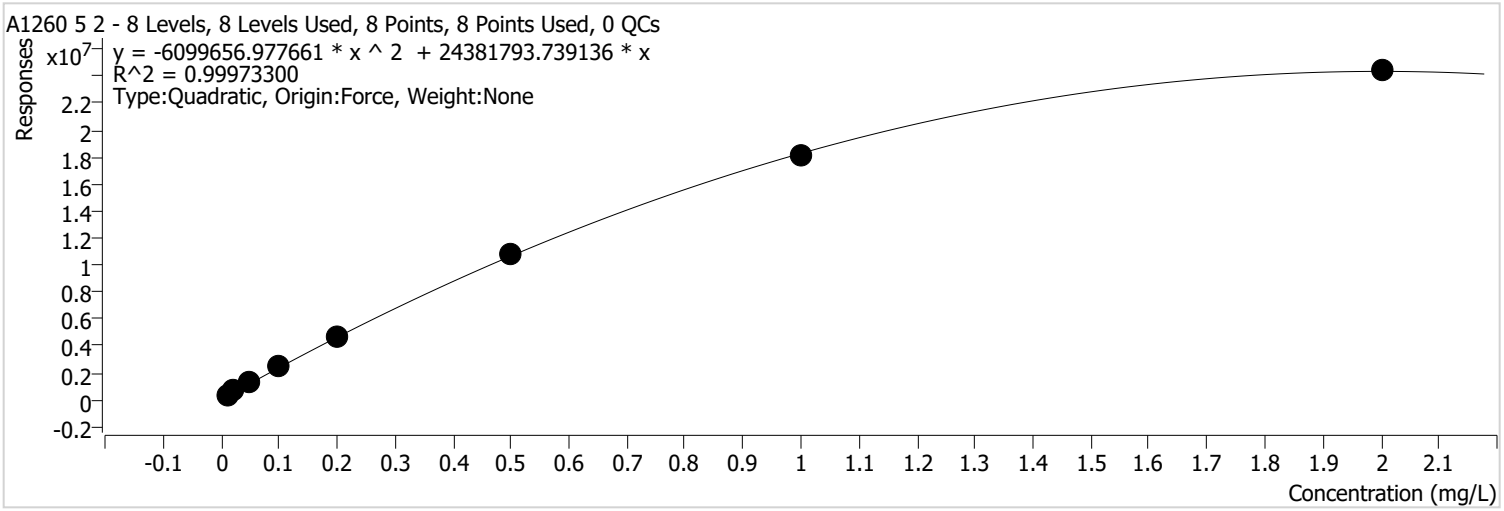
A1260 4 %RSE = 6.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	424040	0.0100	42404023.4328	
D:\GC-25\Data\210708\070805.D	Calibration	2	x	856472	0.0200	42823601.0891	
D:\GC-25\Data\210708\070806.D	Calibration	3	x	1776397	0.0500	35527938.5000	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	3458803	0.1000	34588034.5233	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	6307828	0.2000	31539142.0758	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	14830888	0.5000	29661775.2235	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	25304708	1.0000	25304707.8896	
D:\GC-25\Data\210708\070811.D	Calibration	8	x	34274309	2.0000	17137154.6358	

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:23 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

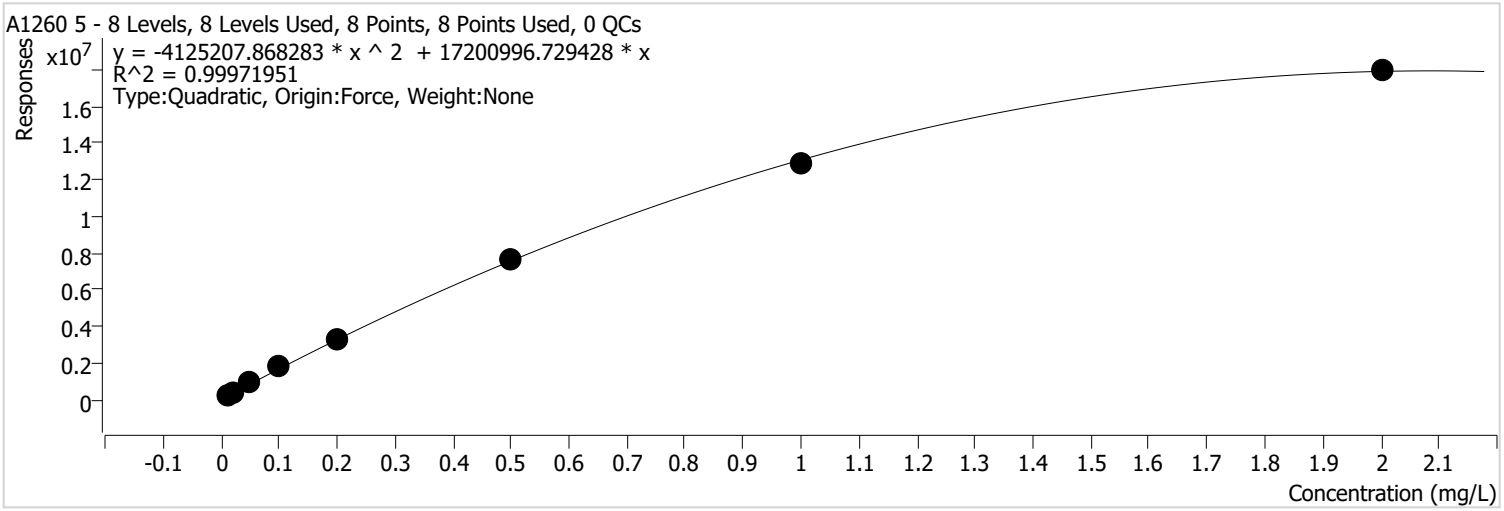
A1260 5 2 %RSE = 22.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	316175	0.0100	31617450.2044	
D:\GC-25\Data\210708\070805.D	Calibration	2	x	630586	0.0200	31529317.4398	
D:\GC-25\Data\210708\070806.D	Calibration	3	x	1348530	0.0500	26970605.4766	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	2604438	0.1000	26044375.8553	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	4694962	0.2000	23474807.9439	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	10793420	0.5000	21586839.0500	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	18099532	1.0000	18099531.8550	
D:\GC-25\Data\210708\070811.D	Calibration	8	x	24401345	2.0000	12200672.5828	

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:23 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

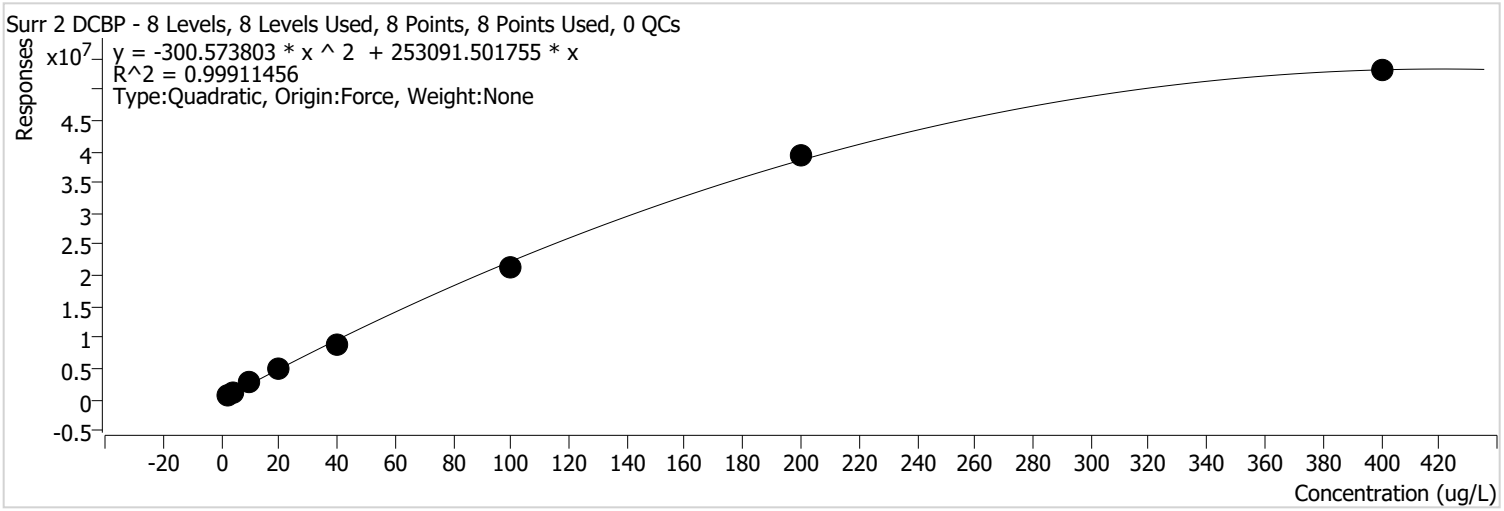
A1260 5 %RSE = 19.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	214890	0.0100	21488972.1429	
D:\GC-25\Data\210708\070805.D	Calibration	2	x	442116	0.0200	22105820.2825	
D:\GC-25\Data\210708\070806.D	Calibration	3	x	961827	0.0500	19236540.0994	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	1847020	0.1000	18470200.4827	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	3357099	0.2000	16785493.2782	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	7650585	0.5000	15301169.5254	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	12937568	1.0000	12937567.8031	
D:\GC-25\Data\210708\070811.D	Calibration	8	x	17929310	2.0000	8964654.9284	

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:23 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

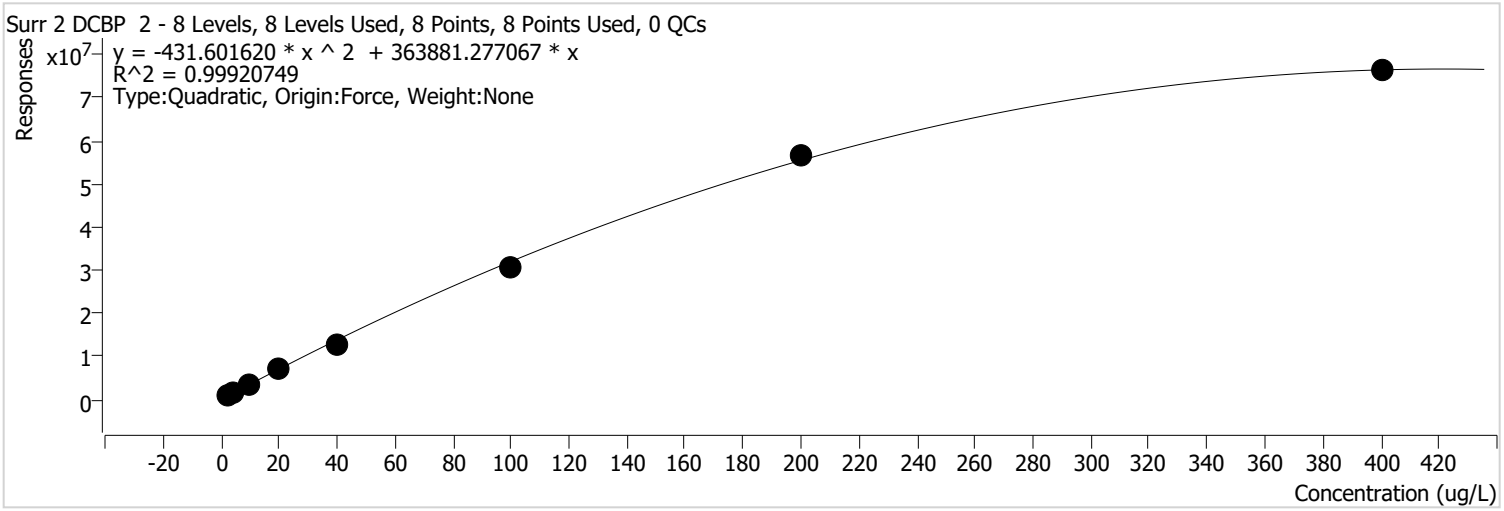
Surr 2 DCBP %RSE = 19.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	652336	2.0000	326167.8416	
D:\GC-25\Data\210708\070805.D	Calibration	2	x	1316345	4.0000	329086.1292	
D:\GC-25\Data\210708\070806.D	Calibration	3	x	2667491	10.0000	266749.1405	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	4885661	20.0000	244283.0564	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	8943271	40.0000	223581.7656	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	21360592	100.0000	213605.9204	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	39533494	200.0000	197667.4717	
D:\GC-25\Data\210708\070811.D	Calibration	8	x	52976178	400.0000	132440.4446	

Batch Path	D:\GC-25\Data\210708\QuantResults\1660 CAL.batch.bin		
Analysis Time	7/8/2021 3:03 PM	**Analyst Name**	FA\GC1625
Report Time	7/8/2021 3:04:23 PM	**Reporter Name**	FA\GC1625
Last Calib Update	7/8/2021 3:03 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 2 DCBP 2 %RSE = 16.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\210708\070804.D	Calibration	1	x	917811	2.0000	458905.6451	
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D:\GC-25\Data\210708\070806.D	Calibration	3	x	3706334	10.0000	370633.4292	
D:\GC-25\Data\210708\070807.D	Calibration	4	x	7126137	20.0000	356306.8277	
D:\GC-25\Data\210708\070808.D	Calibration	5	x	12926441	40.0000	323161.0336	
D:\GC-25\Data\210708\070809.D	Calibration	6	x	30755418	100.0000	307554.1767	
D:\GC-25\Data\210708\070810.D	Calibration	7	x	56804702	200.0000	284023.5107	
D:\GC-25\Data\210708\070811.D	Calibration	8	x	76264637	400.0000	190661.5925	

PCB Calibration

Date: 07/07/21

Analyst: Sam Bellman

Hexane: 5465

Cal		ICV	
Aroclor 1660:	25029	Aroclor 1660:	24706
Aroclor 1254:	23406	Aroclor 1254:	24708

Surrogate: 25067

1660
101

Spike Conc. (ppb)	Surr Conc. (ppb)	2° Spike (uL)	1° Spike (uL)	Surr (uL)	Remove (uL)	Final Vol. (mL)	Comments
10	2	5	--	--	5	1	
20	4	10	--	--	10	1	
50	10	25	--	--	25	1	
100	20	50	--	--	50	1	
200	40	100	--	--	100	1	
500	100	250	--	--	250	1	
1000	200	--	1	10	2	1	
2000	400	--	2	20	4	1	
ICB	200	--	--	10	1	1	
ICV (1000 ppb)	200	--	1	10	2	1	

	1660 (uL)	1254 (uL)	Surr (uL)	Final Volume (mL)
2° Intermediate (1660)	2	--	20	1
2° Intermediate (1254)	--	2	20	1

Signature and Date: 07/07/21

Signature: EM

700 Building Calibration Template - PCB v1.0

Official Approval: 11/11/2019

DATA SET for Review -- Deliverable Requirements

Total Metals by EPA Method 6020B

Fremont Analytical Work Order No. 2109394

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September2021\092821eh\
Report Date/Time: Wednesday, September 29, 2021 09:26:37

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	CONE COND	10:07:04 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CONE COND	10:12:38 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CONE COND	10:18:12 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	10:23:46 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	10:29:21 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	NEW 2%	10:34:55 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CAL BLK IS 23514	10:41:07 Tue 28-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 1	10:46:41 Tue 28-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 2	10:52:15 Tue 28-S	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 3	10:57:49 Tue 28-S	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 4	11:03:23 Tue 28-S	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 5	11:08:57 Tue 28-S	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 6	11:14:31 Tue 28-S	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 7	11:20:05 Tue 28-S	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 8	11:25:39 Tue 28-S	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	11:31:14 Tue 28-S	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICB	11:36:49 Tue 28-S	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICV	11:42:23 Tue 28-S	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	11:47:57 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICV	12:08:05 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICSA	12:26:13 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	12:31:48 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	12:37:22 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	MB-33833	12:44:10 Tue 28-S	Sample	C:\Users\Public\DocumMBLK,M-6020-S .	gistix\ICPMS\DataSet\September202
	LCS-33833	12:49:44 Tue 28-S	Sample	C:\Users\Public\DocumLCS,M-6020-S .	gistix\ICPMS\DataSet\September202
	2109333-002A	12:55:18 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\September202
	2109333-002ADIL	13:00:52 Tue 28-S	Sample	C:\Users\Public\DocumSD,M-6020-S .	gistix\ICPMS\DataSet\September202
	2109333-002AMS	13:06:26 Tue 28-S	Sample	C:\Users\Public\DocumMS,M-6020-S .	gistix\ICPMS\DataSet\September202
	2109333-002AMSD	13:12:00 Tue 28-S	Sample	C:\Users\Public\DocumMSD,M-6020-S .	gistix\ICPMS\DataSet\September202
	2109333-002APDS	13:17:34 Tue 28-S	Sample	C:\Users\Public\DocumPDS,M-6020-S .	gistix\ICPMS\DataSet\September202
	2109333-001A	13:23:08 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\September202
	2109333-003A	13:28:42 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\September202
	2109333-004A	13:34:16 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\September202
	CCV	13:39:56 Tue 28-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	13:45:30 Tue 28-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	2109333-005A	13:51:30 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\September202
	2109333-006A	13:57:04 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\September202
	2109333-007A	14:02:38 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\September202
	2109333-008A	14:08:12 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\September202
	2109402-001A	14:13:46 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\September202
	2109394-001A	14:19:20 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\September202
	2109394-002A	14:24:54 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\September202
	2109394-003A	14:30:28 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\September202
	2109394-004A	14:36:02 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\September202
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	CCV	15:09:57 Tue 28-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	15:15:32 Tue 28-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	2109394-006A	15:21:48 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\September202

2109394-007A	15:27:22 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109394-008A	15:32:56 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109394-009A	15:38:29 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
2109371-014A 10X	15:44:04 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
LDR	15:49:39 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	15:59:51 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB-33854	16:06:23 Tue 28-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-T _ gistix\ICPMS\DataSet\September202
LCS-33854	16:11:57 Tue 28-S	Sample	C:\Users\Public\DocumLCS,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109439-001A	16:17:32 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
CCV	16:23:07 Tue 28-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	16:28:41 Tue 28-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	16:38:24 Tue 28-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	16:43:59 Tue 28-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB2-33864	16:49:33 Tue 28-S	Sample	C:\Users\Public\DocumMBLK,M-SPLP _ gistix\ICPMS\DataSet\September202
2109218-004A	16:55:09 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-SPLP _ gistix\ICPMS\DataSet\September202
2109218-005A	17:00:43 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-SPLP _ gistix\ICPMS\DataSet\September202
2109218-006A	17:06:18 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-SPLP _ gistix\ICPMS\DataSet\September202
2109218-007A	17:11:53 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-SPLP _ gistix\ICPMS\DataSet\September202
2109218-007AMS	17:17:27 Tue 28-S	Sample	C:\Users\Public\DocumMS,M-SPLP _ gistix\ICPMS\DataSet\September202
CCV	17:23:02 Tue 28-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	17:28:37 Tue 28-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CAL BLK IS 23514	17:38:01 Tue 28-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 1	17:43:36 Tue 28-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CAL BLK IS 23514	17:45:51 Tue 28-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 1	17:51:25 Tue 28-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 2	17:56:59 Tue 28-S	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 3	18:02:33 Tue 28-S	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 4	18:08:07 Tue 28-S	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 5	18:13:41 Tue 28-S	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 6	18:19:15 Tue 28-S	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 7	18:24:49 Tue 28-S	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 8	18:30:23 Tue 28-S	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	18:35:59 Tue 28-S	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
ICB	18:41:33 Tue 28-S	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
ICV	18:47:07 Tue 28-S	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	18:52:42 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
ICSA	18:58:16 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	19:03:51 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	19:09:25 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB2-33864	19:15:00 Tue 28-S	Sample	C:\Users\Public\DocumMBLK,M-SPLP _ gistix\ICPMS\DataSet\September202
MB-33864	19:20:34 Tue 28-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-T _ gistix\ICPMS\DataSet\September202
LCS-33864	19:26:08 Tue 28-S	Sample	C:\Users\Public\DocumLCS,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109397-006G	19:31:42 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109397-006GDUP	19:37:15 Tue 28-S	Sample	C:\Users\Public\DocumDUP,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109397-006GMS	19:42:49 Tue 28-S	Sample	C:\Users\Public\DocumMS,M-200.8-T _ gistix\ICPMS\DataSet\September202
CCV	19:48:24 Tue 28-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	19:53:59 Tue 28-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109397-006GMSD	19:59:34 Tue 28-S	Sample	C:\Users\Public\DocumMSD,M-200.8-T _ gistix\ICPMS\DataSet\September202
2109218-004A	20:05:08 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-SPLP _ gistix\ICPMS\DataSet\September202
2109218-005A	20:10:42 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-SPLP _ gistix\ICPMS\DataSet\September202
2109218-006A	20:16:16 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-SPLP _ gistix\ICPMS\DataSet\September202
2109218-007A	20:21:50 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-SPLP _ gistix\ICPMS\DataSet\September202
2109218-007AMS	20:27:24 Tue 28-S	Sample	C:\Users\Public\DocumMS,M-SPLP _ gistix\ICPMS\DataSet\September202
WASH	20:32:59 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB-33834	20:38:33 Tue 28-S	Sample	C:\Users\Public\DocumMBLK,M-6020-S _ gistix\ICPMS\DataSet\September202
LCS-33834	20:44:07 Tue 28-S	Sample	C:\Users\Public\DocumLCS,M-6020-S _ gistix\ICPMS\DataSet\September202
2109394-015A	20:49:41 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\September202
CCV	20:55:16 Tue 28-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	21:00:51 Tue 28-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109394-015ADIL	21:06:26 Tue 28-S	Sample	C:\Users\Public\DocumSD,M-6020-S _ gistix\ICPMS\DataSet\September202

2109394-015AMS	21:12:00 Tue 28-S	Sample	C:\Users\Public\DocumMS,M-6020-S	gistix\ICPMS\DataSet\September202
2109394-015AMSD	21:17:34 Tue 28-S	Sample	C:\Users\Public\DocumMSD,M-6020-S	gistix\ICPMS\DataSet\September202
2109394-015APDS	21:23:07 Tue 28-S	Sample	C:\Users\Public\DocumPDS,M-6020-S	gistix\ICPMS\DataSet\September202
2109394-012A	21:28:41 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109394-013A	21:34:16 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109394-014A	21:39:50 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109394-016A	21:45:24 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109394-017A	21:50:58 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109394-018A	21:56:32 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
CCV	22:02:06 Tue 28-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
CCB	22:07:41 Tue 28-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
2109394-019A	22:13:15 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109394-020A	22:18:49 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
WASH	22:24:24 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
MB-33818FB	22:29:59 Tue 28-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-D	gistix\ICPMS\DataSet\September202
MB-33819	22:35:33 Tue 28-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-D	gistix\ICPMS\DataSet\September202
LCS-33819	22:41:07 Tue 28-S	Sample	C:\Users\Public\DocumLCS,M-200.8-D	gistix\ICPMS\DataSet\September202
2109341-003C	22:46:41 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\September202
2109341-003CDUP	22:52:15 Tue 28-S	Sample	C:\Users\Public\DocumDUP,M-200.8-D	gistix\ICPMS\DataSet\September202
2109341-003CMS	22:57:49 Tue 28-S	Sample	C:\Users\Public\DocumMS,M-200.8-D	gistix\ICPMS\DataSet\September202
2109341-003CMSD	23:03:24 Tue 28-S	Sample	C:\Users\Public\DocumMSD,M-200.8-D	gistix\ICPMS\DataSet\September202
CCV	23:08:59 Tue 28-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
CCB	23:14:33 Tue 28-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
2109439-001B	23:20:08 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\September202
2109289-001B	23:25:42 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\September202
WASH	23:31:17 Tue 28-S	Sample	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
MB-33816	23:36:51 Tue 28-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-T	gistix\ICPMS\DataSet\September202
2109341-001B	23:42:26 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109341-002B	23:47:59 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109341-003B	23:53:34 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109341-004B	23:59:08 Tue 28-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109341-006B	00:04:42 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109341-007B	00:10:16 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
CCV	00:15:51 Wed 29-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
CCB	00:21:25 Wed 29-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
2109341-008B	00:27:00 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109341-009B	00:32:34 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109328-001D	00:38:08 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109330-001A	00:43:42 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109339-005A	00:49:16 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109319-001A	00:54:50 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109319-002A	01:00:24 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109320-001A	01:05:59 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109320-002A	01:11:32 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109320-003A	01:17:06 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
CCV	01:22:41 Wed 29-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
CCB	01:28:16 Wed 29-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
2109320-004A	01:33:51 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109320-005A	01:39:25 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109324-001A	01:44:59 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109324-002A	01:50:33 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109324-003A	01:56:07 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109325-001D	02:01:41 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109343-001A	02:07:15 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109343-002A	02:12:49 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109343-003A	02:18:23 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109343-004A	02:23:57 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
CCV	02:29:32 Wed 29-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
CCB	02:35:07 Wed 29-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
2109343-005A	02:40:42 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202

2109348-006A	02:46:16 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109359-001B	02:51:50 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109322-003A WD C	02:57:25 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109423-002A	03:03:00 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109423-002ADUP	03:08:34 Wed 29-S	Sample	C:\Users\Public\DocumDUP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109423-002AMS	03:14:08 Wed 29-S	Sample	C:\Users\Public\DocumMS,M-200.8-T	gistix\ICPMS\DataSet\September202
2109423-002AMSD	03:19:42 Wed 29-S	Sample	C:\Users\Public\DocumMSD,M-200.8-T	gistix\ICPMS\DataSet\September202
2109432-001A	03:25:16 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
WASH	03:30:50 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
CCV	03:36:24 Wed 29-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
CCB	03:41:59 Wed 29-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
MB-33853	03:47:34 Wed 29-S	Sample	C:\Users\Public\DocumMBLK,M-TCLP	gistix\ICPMS\DataSet\September202
LCS-33853	03:53:08 Wed 29-S	Sample	C:\Users\Public\DocumLCS,M-TCLP	gistix\ICPMS\DataSet\September202
2109299-001A	03:58:42 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-TCLP	gistix\ICPMS\DataSet\September202
2109299-001ADUP	04:04:15 Wed 29-S	Sample	C:\Users\Public\DocumDUP,M-TCLP	gistix\ICPMS\DataSet\September202
2109299-001AMS	04:09:49 Wed 29-S	Sample	C:\Users\Public\DocumMS,M-TCLP	gistix\ICPMS\DataSet\September202
2109299-001AMSD	04:15:23 Wed 29-S	Sample	C:\Users\Public\DocumMSD,M-TCLP	gistix\ICPMS\DataSet\September202
2109299-002A	04:20:57 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-TCLP	gistix\ICPMS\DataSet\September202
2109404-001A	04:26:32 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-TCLP	gistix\ICPMS\DataSet\September202
2109410-001A	04:32:06 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-TCLP	gistix\ICPMS\DataSet\September202
2109341-001C	04:37:40 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\September202
CCV	04:43:15 Wed 29-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
CCB	04:48:50 Wed 29-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
2109341-002C	04:54:24 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\September202
2109341-004C	04:59:58 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\September202
2109341-005C	05:05:33 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\September202
2109341-006C	05:11:07 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\September202
2109341-007C	05:16:41 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\September202
2109341-008C	05:22:15 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\September202
2109341-009C	05:27:49 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\September202
MB-33831	05:33:23 Wed 29-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-T	gistix\ICPMS\DataSet\September202
LCS-33831	05:38:57 Wed 29-S	Sample	C:\Users\Public\DocumLCS,M-6020-S	gistix\ICPMS\DataSet\September202
2109403-001A 50X	05:44:31 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
CCV	05:50:06 Wed 29-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
CCB	05:55:41 Wed 29-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
CCV	06:01:15 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
CCB	06:06:50 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
LDR	06:12:25 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
CCV	06:18:00 Wed 29-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
CCB	06:23:34 Wed 29-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
2%	06:29:09 Wed 29-S	QC Std #7	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202
DI	06:34:43 Wed 29-S	QC Std #8	C:\Users\Public\Documents\PerkinElmer Syn	gistix\ICPMS\DataSet\September202

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September2021\092921eh\
Report Date/Time: Thursday, September 30, 2021 07:53:06

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	WASH	10:04:56 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	NEW 2%	10:10:30 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	NEW 2%	10:16:04 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CAL BLK IS 23514	10:22:51 Wed 29-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 1	10:28:26 Wed 29-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CAL BLK IS 23514	10:31:59 Wed 29-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 1	10:37:34 Wed 29-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	5%	10:42:14 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CAL BLK IS 23514	10:47:49 Wed 29-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 1	10:53:23 Wed 29-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 2	10:58:57 Wed 29-S	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 3	11:04:31 Wed 29-S	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 4	11:10:05 Wed 29-S	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 5	11:15:39 Wed 29-S	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 6	11:21:13 Wed 29-S	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 7	11:26:47 Wed 29-S	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	Standard 8	11:32:22 Wed 29-S	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	11:37:57 Wed 29-S	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICB	11:43:31 Wed 29-S	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICV	11:49:05 Wed 29-S	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	11:54:39 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	ICSA	12:11:21 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	12:16:56 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	WASH	12:22:31 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	MB-33853	12:28:05 Wed 29-S	Sample	C:\Users\Public\DocumMBLK,M-TCLP	gistix\ICPMS\DataSet\September202
	LCS-33853	12:33:40 Wed 29-S	Sample	C:\Users\Public\DocumLCS,M-TCLP	gistix\ICPMS\DataSet\September202
	2109299-001A	12:39:13 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-TCLP	gistix\ICPMS\DataSet\September202
	2109299-001ADUP	12:45:15 Wed 29-S	Sample	C:\Users\Public\DocumDUP,M-TCLP	gistix\ICPMS\DataSet\September202
	2109299-001AMS	12:50:49 Wed 29-S	Sample	C:\Users\Public\DocumMS,M-TCLP	gistix\ICPMS\DataSet\September202
	2109299-001AMSD	12:56:23 Wed 29-S	Sample	C:\Users\Public\DocumMSD,M-TCLP	gistix\ICPMS\DataSet\September202
	2109299-002A	13:01:57 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-TCLP	gistix\ICPMS\DataSet\September202
	2109404-001A	13:07:31 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-TCLP	gistix\ICPMS\DataSet\September202
	2109410-001A	13:13:05 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-TCLP	gistix\ICPMS\DataSet\September202
	WASH	13:18:40 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCV	13:24:14 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	13:29:49 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	MB-33854	13:35:23 Wed 29-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-T	gistix\ICPMS\DataSet\September202
	LCS-33854	13:40:57 Wed 29-S	Sample	C:\Users\Public\DocumLCS,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109423-002A	13:46:31 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109423-002ADUP	13:52:05 Wed 29-S	Sample	C:\Users\Public\DocumDUP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109423-002AMS	13:57:39 Wed 29-S	Sample	C:\Users\Public\DocumMS,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109423-002AMSD	14:03:13 Wed 29-S	Sample	C:\Users\Public\DocumMSD,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109439-001A 5X	14:08:47 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
	2109371-014A 10X	14:14:22 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
	CCV	14:19:56 Wed 29-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	14:25:30 Wed 29-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCV	14:31:44 Wed 29-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	CCB	14:37:18 Wed 29-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	
	2109439-001B	15:04:22 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\September202
	CCV	15:20:37 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202	

CCB	15:26:11 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
RINSE	17:10:41 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
RINSE	17:16:14 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CAL BLK IS 23514	17:30:50 Wed 29-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 1	17:36:25 Wed 29-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 2	17:41:59 Wed 29-S	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 3	17:47:33 Wed 29-S	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 4	17:53:07 Wed 29-S	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 5	17:58:41 Wed 29-S	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 6	18:04:15 Wed 29-S	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 7	18:09:49 Wed 29-S	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
Standard 8	18:15:22 Wed 29-S	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	18:20:58 Wed 29-S	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
ICB	18:26:32 Wed 29-S	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
ICV	18:32:06 Wed 29-S	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	18:37:40 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
ICSA	18:43:15 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	18:48:49 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
WASH	18:54:24 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB-33871	18:59:59 Wed 29-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-T . gistix\ICPMS\DataSet\September202
LCS-33871	19:05:33 Wed 29-S	Sample	C:\Users\Public\DocumLCS,M-200.8-T . gistix\ICPMS\DataSet\September202
2109424-001C	19:11:07 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109424-001CDUP	19:16:41 Wed 29-S	Sample	C:\Users\Public\DocumDUP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109424-001CMS	19:22:15 Wed 29-S	Sample	C:\Users\Public\DocumMS,M-200.8-T . gistix\ICPMS\DataSet\September202
2109424-001CMSD	19:27:49 Wed 29-S	Sample	C:\Users\Public\DocumMSD,M-200.8-T . gistix\ICPMS\DataSet\September202
2109472-001A	19:33:22 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109473-003A	19:38:56 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109441-001A	19:44:30 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109442-001B	19:50:04 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
CCV	19:55:39 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	20:01:13 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
MB-33818FB	20:06:48 Wed 29-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-D . gistix\ICPMS\DataSet\September202
LCS-33819	20:12:22 Wed 29-S	Sample	C:\Users\Public\DocumLCS,M-200.8-D . gistix\ICPMS\DataSet\September202
2109341-003C	20:17:56 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D . gistix\ICPMS\DataSet\September202
2109341-003CDUP	20:23:30 Wed 29-S	Sample	C:\Users\Public\DocumDUP,M-200.8-D . gistix\ICPMS\DataSet\September202
2109439-001B 2X	20:29:04 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D . gistix\ICPMS\DataSet\September202
2109289-001B	20:34:38 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D . gistix\ICPMS\DataSet\September202
2109341-001C	20:40:11 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D . gistix\ICPMS\DataSet\September202
2109341-002C	20:45:45 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D . gistix\ICPMS\DataSet\September202
2109341-004C	20:51:19 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D . gistix\ICPMS\DataSet\September202
2109341-005C	20:56:53 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D . gistix\ICPMS\DataSet\September202
CCV	21:02:28 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	21:08:03 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109341-006C	21:13:38 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D . gistix\ICPMS\DataSet\September202
2109341-007C	21:19:12 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D . gistix\ICPMS\DataSet\September202
2109341-008C	21:24:46 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D . gistix\ICPMS\DataSet\September202
2109341-009C	21:30:19 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D . gistix\ICPMS\DataSet\September202
2109322-003A WD C	21:35:54 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109371-014A 10X	21:41:29 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
2109319-001A	21:47:04 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109319-002A	21:52:38 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109320-001A	21:58:12 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109320-002A	22:03:46 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
CCV	22:09:21 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	22:14:55 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109320-003A	22:20:30 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109320-004A	22:26:04 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109320-005A	22:31:38 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109324-001A	22:37:12 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202
2109324-002A	22:42:46 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\September202

2109324-003A	22:48:20 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109325-001D	22:53:54 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
WASH	22:59:29 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\September202
MB-33816	23:05:04 Wed 29-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-T	gistix\ICPMS\DataSet\September202
2109341-001B	23:10:38 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
CCV	23:16:13 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\September202
CCB	23:21:47 Wed 29-S	Sample	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\September202
2109341-002B	23:27:22 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109341-003B	23:32:55 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109341-004B	23:38:29 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109341-006B	23:44:03 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109341-007B	23:49:37 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109328-001D	23:55:11 Wed 29-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109330-001A	00:00:45 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109339-005A	00:06:19 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109343-001A	00:11:53 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109343-002A	00:17:27 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
CCV	00:23:02 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\September202
CCB	00:28:36 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\September202
2109343-003A	00:34:11 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109343-004A	00:39:45 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109343-005A	00:45:19 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109348-006A	00:50:53 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109359-001B	00:56:27 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109370-001A	01:02:02 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109370-002A	01:07:36 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109370-003A	01:13:09 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109374-001A	01:18:43 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109374-002A	01:24:18 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
CCV	01:29:53 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\September202
CCB	01:35:27 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\September202
2109374-003A	01:41:02 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109376-001A	01:46:36 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109423-001A	01:52:10 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109446-001A	01:57:44 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
2109446-002A	02:03:18 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\September202
LCS-33831	02:08:52 Thu 30-S	Sample	C:\Users\Public\DocumLCS,M-200.8-T	gistix\ICPMS\DataSet\September202
2109363-002B	02:14:26 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109345-002A	02:20:00 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109345-003A	02:25:34 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109345-004A	02:31:08 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
CCV	02:36:42 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\September202
CCB	02:42:17 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\September202
2109345-005A	02:47:52 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109345-006A	02:53:26 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109345-007A	02:59:00 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109360-001A	03:04:34 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109360-002A	03:10:08 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109360-003A	03:15:42 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109364-001A	03:21:16 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109373-001A	03:26:50 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109373-006A	03:32:23 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109383-001A	03:37:58 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
CCV	03:43:32 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\September202
CCB	03:49:07 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\September202
2109385-001A 5X	03:54:41 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
2109387-001A	04:00:15 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\September202
WASH	04:05:50 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\September202
MB-33874	04:11:25 Thu 30-S	Sample	C:\Users\Public\DocumMBLK,M-6020-S	gistix\ICPMS\DataSet\September202
LCS-33874	04:16:59 Thu 30-S	Sample	C:\Users\Public\DocumLCS,M-6020-S	gistix\ICPMS\DataSet\September202

2109376-041A	04:22:33 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
2109376-041ADIL	04:28:06 Thu 30-S	Sample	C:\Users\Public\DocumSD,M-6020-S . gistix\ICPMS\DataSet\September202
2109376-041AMS	04:33:40 Thu 30-S	Sample	C:\Users\Public\DocumMS,M-6020-S . gistix\ICPMS\DataSet\September202
2109376-041AMSD	04:39:15 Thu 30-S	Sample	C:\Users\Public\DocumMSD,M-6020-S . gistix\ICPMS\DataSet\September202
2109376-041APDS	04:44:49 Thu 30-S	Sample	C:\Users\Public\DocumPDS,M-6020-S . gistix\ICPMS\DataSet\September202
CCV	04:50:23 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	04:55:58 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
2109394-010A	05:01:33 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
2109394-011A	05:07:07 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\September202
LDR	05:12:41 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCV	05:18:16 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202
CCB	05:23:50 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\September202

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\
Report Date/Time: Friday, October 01, 2021 08:38:48

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	RINSE	09:06:11 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\RIN	
	RINSE	09:11:45 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\RIN	
	RINSE	09:17:19 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\RIN	
	NEW 2%	09:22:53 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\NEW	
	BLANK	09:28:28 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\BLA	
	BLANK	09:36:04 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\BLA	
	CAL BLK IS 23514	09:42:34 Thu 30-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CAL	
	Standard 1	09:48:08 Thu 30-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
	Standard 2	09:53:42 Thu 30-S	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
	Standard 3	09:59:16 Thu 30-S	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
	Standard 4	10:04:50 Thu 30-S	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
	Standard 5	10:10:24 Thu 30-S	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
	Standard 6	10:15:58 Thu 30-S	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
	Standard 7	10:21:32 Thu 30-S	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
	Standard 8	10:27:06 Thu 30-S	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
	WASH	10:32:41 Thu 30-S	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\WAS	
	ICB	10:38:15 Thu 30-S	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\ICB.	
	ICV	10:43:49 Thu 30-S	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\ICV.	
	BLANK	10:49:24 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\BLA	
	ICSA	11:14:12 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\ICSA	
	WASH	11:19:47 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\WAS	
	WASH	11:25:21 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\WAS	
	2109371-014A 10X	11:39:19 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	2109423-001A 10X	11:44:56 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	2109446-001A 10X	11:50:30 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	2109446-002A 10X	11:56:04 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	2109394-010A 10X	12:01:38 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	2109394-011A 100X	12:07:12 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	2109462-001A 5X	12:14:14 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\093021eh\2109
	2108289-001B F	12:21:34 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\093021eh\2108
	2108289-001A T	12:27:08 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\093021eh\2108
	2108289-001B D	12:32:42 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\093021eh\2108
	CCV	12:38:17 Thu 30-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV	
	CCB	12:43:52 Thu 30-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB	
	2109360-002A	12:53:05 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\093021eh\2109
	2109319-001A 500X	12:58:39 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\093021eh\2109
	2109319-002A 500X	13:04:13 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\093021eh\2109
	2109328-001D 10X	13:09:48 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\093021eh\2109
	2109341-008A	13:15:21 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\093021eh\2109
	2109341-009A	13:20:56 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\093021eh\2109
	2109359-006A 10X	13:26:30 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\093021eh\2109
	2109370-001A	13:32:04 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	2109370-002A	13:37:38 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	2109370-003A	13:43:12 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	CCV	13:48:47 Thu 30-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV	
	CCB	13:54:21 Thu 30-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB	
	2109374-001A	14:00:08 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	2109374-002A	14:05:43 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	2109374-003A	14:11:17 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	2109376-001A	14:16:51 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109

LCS-33816	14:23:41 Thu 30-S	Sample	C:\Users\Public\DocumLCS,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\LCS
2109343-002A	14:29:14 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109343-003A 5X	14:34:48 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109343-004A 5X	14:40:21 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109343-005A 5X	14:45:55 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109326-001A 100X	14:51:28 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
CCV	14:57:04 Thu 30-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	15:02:38 Thu 30-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109326-002A 100X	15:08:40 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109326-003A 100X	15:14:13 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109326-004A 100X	15:19:47 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109326-005A	15:25:20 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109326-006A	15:30:54 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109355-001A 10X	15:36:27 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109357-006A	15:42:01 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109355-001A 10X	15:54:46 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109357-006A	16:00:19 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
CCV	16:05:55 Thu 30-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	16:11:29 Thu 30-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
CCB	16:17:46 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
MB-33864	16:48:09 Thu 30-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\MB-
LCS-33864	16:53:42 Thu 30-S	Sample	C:\Users\Public\DocumLCS,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\LCS
2109397-006G	16:59:16 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109397-006GDUP	17:04:49 Thu 30-S	Sample	C:\Users\Public\DocumDUP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109397-006GMS	17:10:22 Thu 30-S	Sample	C:\Users\Public\DocumMS,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109397-006GMSD	17:15:56 Thu 30-S	Sample	C:\Users\Public\DocumMSD,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109384-018A	17:21:29 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109384-019A	17:27:03 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109384-020A	17:32:36 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109384-021A	17:38:09 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
CCV	17:43:44 Thu 30-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	17:49:19 Thu 30-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109386-001A	17:54:53 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109386-002A	18:00:26 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109388-001A	18:06:00 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109388-002A	18:11:33 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109390-008D	18:17:07 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109405-001C	18:22:40 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109408-012I	18:28:14 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109411-002E	18:33:47 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109412-001A	18:39:20 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109412-002A	18:44:54 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
CCV	18:50:29 Thu 30-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	18:56:03 Thu 30-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109359-001C	19:01:37 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _ gistix\ICPMS\DataSet\093021eh\2109
2109363-001C	19:07:11 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _ gistix\ICPMS\DataSet\093021eh\2109
2109363-002C	19:12:44 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _ gistix\ICPMS\DataSet\093021eh\2109
2109390-008E	19:18:17 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _ gistix\ICPMS\DataSet\093021eh\2109
2109397-006H	19:23:51 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _ gistix\ICPMS\DataSet\093021eh\2109
2109080-001G	19:29:24 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _ gistix\ICPMS\DataSet\093021eh\2109
2109100-001G	19:34:58 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _ gistix\ICPMS\DataSet\093021eh\2109
2109408-012J	19:40:31 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _ gistix\ICPMS\DataSet\093021eh\2109
2109411-002F	19:46:04 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _ gistix\ICPMS\DataSet\093021eh\2109
2109326-002a	19:51:38 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
CCV	19:57:12 Thu 30-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	20:02:47 Thu 30-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109326-003a 1000x	20:08:22 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
WASH	20:13:56 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\WAS
MB-33875	20:19:31 Thu 30-S	Sample	C:\Users\Public\DocumMBLK,M-6020-S _ gistix\ICPMS\DataSet\093021eh\MB-
LCS-33875	20:25:04 Thu 30-S	Sample	C:\Users\Public\DocumLCS,M-6020-S _ gistix\ICPMS\DataSet\093021eh\LCS

2109389-005A	20:30:37 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-005ADIL	20:36:11 Thu 30-S	Sample	C:\Users\Public\DocumSD,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-005AMS	20:41:44 Thu 30-S	Sample	C:\Users\Public\DocumMS,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-005AMSD	20:47:18 Thu 30-S	Sample	C:\Users\Public\DocumMSD,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-005APDS	20:52:51 Thu 30-S	Sample	C:\Users\Public\DocumPDS,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-001A	20:58:24 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
CCV	21:03:59 Thu 30-SQC	Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	21:09:34 Thu 30-SQC	Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109389-002A	21:15:08 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-003A	21:20:42 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-004A	21:26:15 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-006A	21:31:48 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-007A	21:37:22 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-008A	21:42:55 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-009A	21:48:29 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-010A	21:54:02 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-011A	21:59:36 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109493-001A	22:05:09 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
CCV	22:10:44 Thu 30-SQC	Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	22:16:19 Thu 30-SQC	Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109493-002A	22:21:53 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109493-003A	22:27:26 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109493-004A	22:33:00 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109493-005A	22:38:33 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109493-006A	22:44:07 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109493-007A	22:49:40 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109493-008A	22:55:13 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2107149-014A	23:00:47 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2107
2107149-014A	23:06:20 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2107
2109417-001A	23:11:54 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
CCV	23:17:29 Thu 30-SQC	Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	23:23:04 Thu 30-SQC	Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109419-001D	23:28:38 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109425-001B	23:34:12 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
210429-001A 5X	23:39:45 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2104
2109430-001D	23:45:19 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109431-001A	23:50:52 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109431-002A	23:56:26 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109431-006A	00:01:59 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109434-001A	00:07:32 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109436-001B	00:13:06 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109437-001A	00:18:39 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
CCV	00:24:14 Fri 01-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	00:29:49 Fri 01-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109438-001B	00:35:24 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109440-001B	00:40:57 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
WASH	00:46:31 Fri 01-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\WAS
MB-33873	00:52:05 Fri 01-Oc	Sample	C:\Users\Public\DocumMBLK,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\MB-
LCS-33873	00:57:39 Fri 01-Oc	Sample	C:\Users\Public\DocumLCS,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\LCS
2109444-002A	01:03:12 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109444-002ADUP	01:08:46 Fri 01-Oc	Sample	C:\Users\Public\DocumDUP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109444-002AMS	01:14:19 Fri 01-Oc	Sample	C:\Users\Public\DocumMS,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109444-002AMSD	01:19:53 Fri 01-Oc	Sample	C:\Users\Public\DocumMSD,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109443-001A	01:25:26 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
CCV	01:31:01 Fri 01-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	01:36:36 Fri 01-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109443-002A	01:42:10 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109444-001A	01:47:44 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109447-001A	01:53:17 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109448-001B 5X	01:58:50 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109

2109448-002B 5X	02:04:24 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109449-001B	02:09:57 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109450-001A	02:15:30 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109451-001A	02:21:04 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109452-001A	02:26:37 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109452-002A	02:32:11 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
CCV	02:37:46 Fri 01-OcQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	02:43:20 Fri 01-OcQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109452-003A	02:48:55 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109453-001F	02:54:28 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109453-002F	03:00:01 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109454-001A	03:05:35 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109458-001A	03:11:08 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109459-001A	03:16:41 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109460-001A	03:22:15 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
LDR	03:27:49 Fri 01-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\LDR
CCV	03:33:24 Fri 01-OcQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	03:38:59 Fri 01-OcQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2%	03:44:33 Fri 01-OcQC Std #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\2%.1
DI	03:50:08 Fri 01-OcQC Std #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\DI.1

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\101121eh\
Report Date/Time: Tuesday, October 12, 2021 07:59:11

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	WASH	08:53:54 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	WASH	08:59:28 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	NEW 2%	09:05:02 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	DI	09:10:36 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	DI	09:16:11 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	DI	09:21:45 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	CAL BLK IS 23514	09:30:39 Mon 11-C	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 1	09:36:13 Mon 11-C	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 2	09:41:47 Mon 11-C	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 3	09:47:21 Mon 11-C	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 4	09:52:55 Mon 11-C	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 5	09:58:29 Mon 11-C	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 6	10:04:03 Mon 11-C	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 7	10:09:37 Mon 11-C	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 8	10:15:11 Mon 11-C	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	WASH	10:20:46 Mon 11-C	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	ICB	10:26:20 Mon 11-C	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	ICV	10:31:54 Mon 11-C	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	WASH	10:37:27 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	ICSA	10:49:55 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	LDR	10:55:30 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	WASH	11:01:05 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	WASH	11:06:39 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	2109322-004A 50X	11:17:59 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10112
	2110056-001A	11:23:33 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10112
	2110056-002A	11:29:08 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-005A	11:34:43 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-006A	11:40:17 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-007A	11:45:52 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-008A	11:51:26 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-009A	11:57:01 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-010A	12:02:36 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-011A	12:08:10 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	CCV	12:13:45 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	CCB	12:19:19 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	2110067-003A 100X	12:26:44 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2110054-002A 100X	12:32:18 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	LCS-33816	12:37:59 Mon 11-C	Sample	C:\Users\Public\DocumLCS,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109343-001A	12:43:32 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109343-002A	12:49:06 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109343-003A	12:54:40 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109343-004A	13:00:14 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109343-005A	13:05:48 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109411-002F	13:11:23 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10112
	2109390-008E	13:16:58 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10112
	2109397-006H	13:22:32 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10112
	2109408-012J	13:28:06 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10112
	CCV	13:33:41 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	CCB	13:39:15 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	MB-33961	13:53:13 Mon 11-C	Sample	C:\Users\Public\DocumMBLK,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10112

LCS-33961	13:58:47 Mon 11-C	Sample	C:\Users\Public\DocumLCS,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-002D	14:04:21 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-002DDUP	14:09:56 Mon 11-C	Sample	C:\Users\Public\DocumDUP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-002DMS	14:15:30 Mon 11-C	Sample	C:\Users\Public\DocumMS,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-002DMSD	14:21:05 Mon 11-C	Sample	C:\Users\Public\DocumMSD,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110057-001A	14:26:39 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109389-005A	14:32:14 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109389-001A	14:37:48 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109389-011A 50X	14:43:22 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
CCV	14:48:57 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	14:54:31 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
MB-33910	15:00:55 Mon 11-C	Sample	C:\Users\Public\DocumMBLK,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
LCS-33910	15:06:29 Mon 11-C	Sample	C:\Users\Public\DocumLCS,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109532-001A	15:12:03 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109532-001ADUP	15:17:37 Mon 11-C	Sample	C:\Users\Public\DocumDUP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109532-001AMS	15:23:12 Mon 11-C	Sample	C:\Users\Public\DocumMS,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109532-001AMSD	15:28:46 Mon 11-C	Sample	C:\Users\Public\DocumMSD,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109289-001A	15:34:20 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109408-012I	15:39:55 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109411-002E	15:45:29 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109425-001B 5X	15:51:03 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
CCV	15:56:38 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	16:02:13 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CAL BLK IS 23514	16:10:03 Mon 11-C	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
ICB	16:15:38 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
LCS-33961	16:47:54 Mon 11-C	Sample	C:\Users\Public\DocumLCS,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109419-001D 10X	16:53:29 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-003D	16:59:04 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109480-001C	17:04:38 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-004D	17:10:13 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110021-001A	17:15:47 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110021-002A	17:21:21 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110021-003A	17:26:55 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110021-004A	17:32:29 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110021-005A	17:38:03 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
CCV	17:43:38 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	17:49:12 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2110021-006A	17:54:47 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110029-001A	18:00:21 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110040-001A	18:05:55 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110040-006A	18:11:28 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110044-001B	18:17:03 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110048-001A	18:22:37 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110059-001A	18:28:11 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110059-002A	18:33:45 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110064-001A	18:39:19 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110064-002A	18:44:53 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
CCV	18:50:28 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	18:56:02 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2109455-001B	19:01:36 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109489-001A	19:07:11 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109494-001A	19:12:45 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109497-001A	19:18:19 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109497-002A	19:23:53 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109497-003A	19:29:27 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109497-004A	19:35:01 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109499-005A	19:40:35 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109503-001A	19:46:09 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109504-001A	19:51:42 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
CCV	19:57:18 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112

CCB	20:02:52 Mon 11-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2109510-001C	20:08:27 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109510-002C	20:14:01 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109518-002A	20:19:35 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109518-003A	20:25:09 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109521-001A	20:30:43 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109527-001B	20:36:17 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109528-001A	20:41:51 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109528-002A	20:47:25 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109376-045A	20:53:00 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-047A	20:58:35 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
CCV	21:04:10 Mon 11-CQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	21:09:44 Mon 11-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2109409-001A	21:15:19 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109409-002A	21:20:53 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109416-001A	21:26:28 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109416-002A	21:32:03 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
LCS-33897	21:37:37 Mon 11-CSample	C:\Users\Public\DocumLCS,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
WASH	21:43:12 Mon 11-CSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
MB-33874	21:48:47 Mon 11-CSample	C:\Users\Public\DocumMBLK,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
LCS-33874	21:54:21 Mon 11-CSample	C:\Users\Public\DocumLCS,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-041A	21:59:55 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-041ADIL	22:05:29 Mon 11-CSample	C:\Users\Public\DocumSD,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
CCV	22:11:04 Mon 11-CQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	22:16:39 Mon 11-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2109376-005A	22:22:14 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-007A	22:27:48 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-011A	22:33:22 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-013A	22:38:56 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-017A	22:44:30 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-019A	22:50:04 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-021A	22:55:38 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
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CCB	23:23:31 Mon 11-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
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2109376-033A	23:40:14 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-035A	23:45:48 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-037A	23:51:22 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-039A	23:56:56 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-043A	00:02:30 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
LCS-33963	00:08:04 Tue 12-OSample	C:\Users\Public\DocumLCS,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-013A	00:13:38 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-013ADIL	00:19:12 Tue 12-OSample	C:\Users\Public\DocumSD,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
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CCB	00:30:22 Tue 12-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
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2110067-016A	00:58:13 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-017A	01:03:47 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-018A	01:09:21 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-019A	01:14:55 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-020A	01:20:29 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-021A	01:26:03 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
CCV	01:31:38 Tue 12-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112

CCB	01:37:12 Tue 12-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
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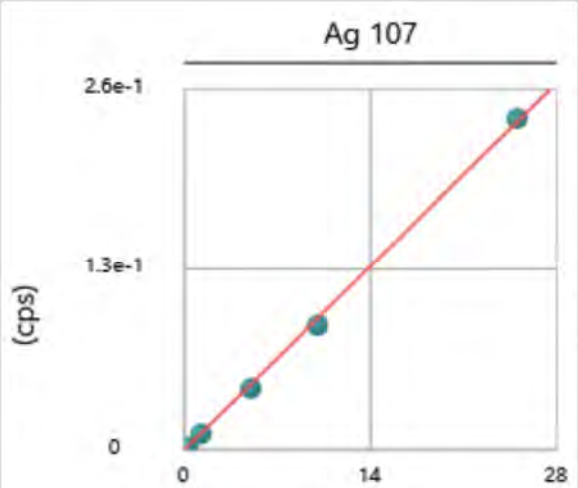
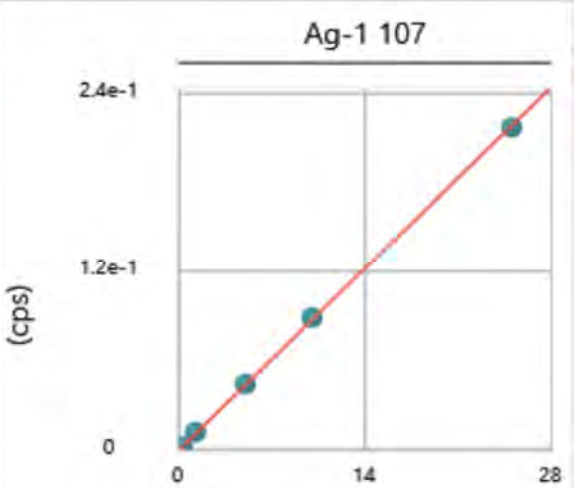
2110020-007A	01:48:21 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-008A	01:53:55 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-009A	01:59:30 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-010A	02:05:03 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-011A	02:10:38 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-012A	02:16:11 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-013A	02:21:46 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-014A	02:27:20 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
CCV	02:32:54 Tue 12-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	02:38:29 Tue 12-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2%	02:44:03 Tue 12-OQC Std #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
DI	02:49:38 Tue 12-OQC Std #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112

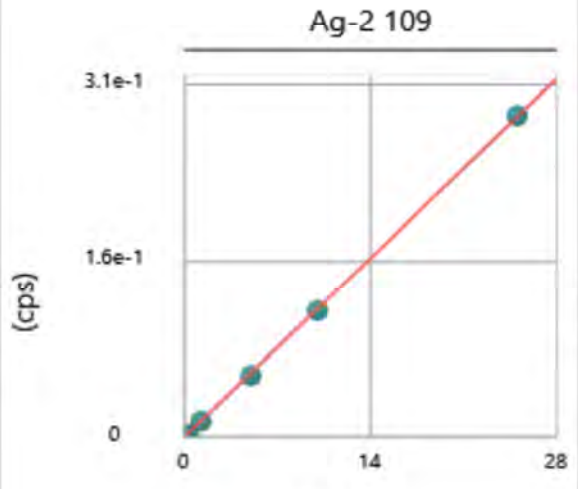
Calibration



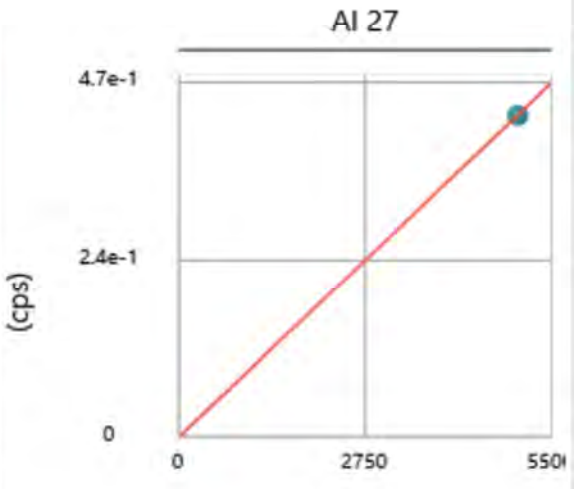
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999732
BEC : 0.000001 ug/L
DL : 0.000125 ug/L



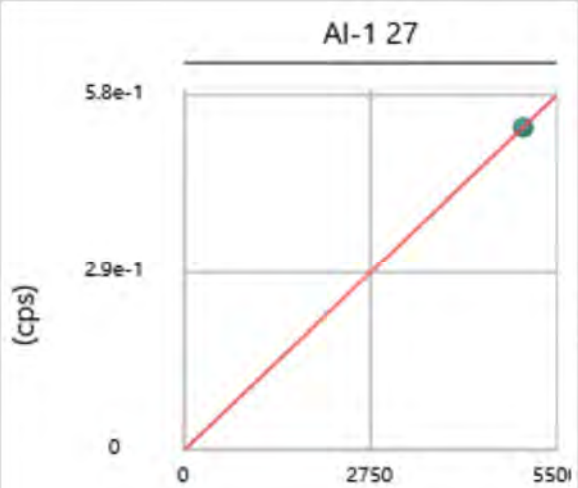
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999947
BEC : -0.000002 ug/L
DL : 0.002824 ug/L



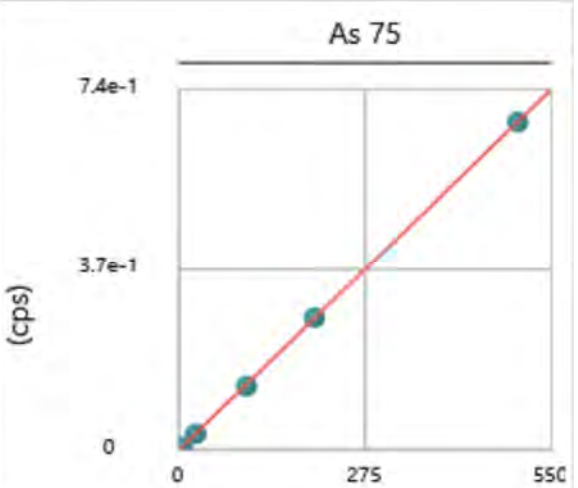
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999954
BEC : 0.000096 ug/L
DL : 0.007073 ug/L



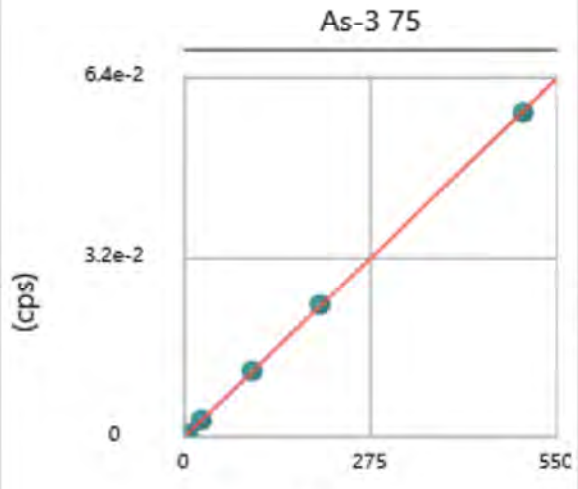
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.000291 ug/L
DL : 0.042366 ug/L



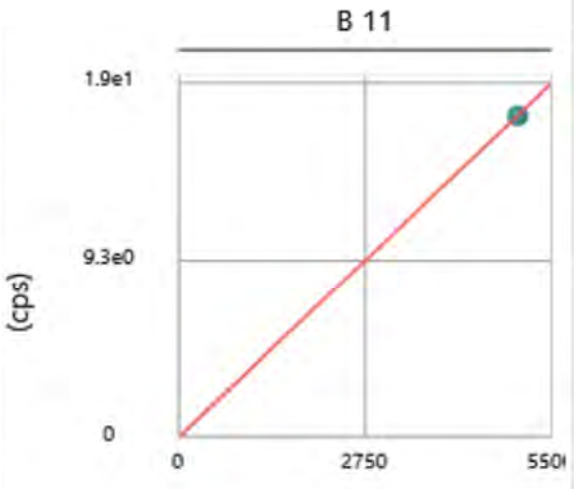
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.000799 mg/L
DL : 0.365652 mg/L



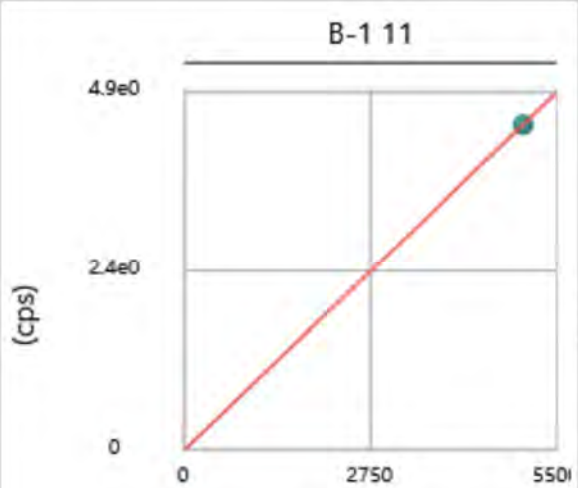
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999990
BEC : -0.002962 ug/L
DL : 0.387294 ug/L



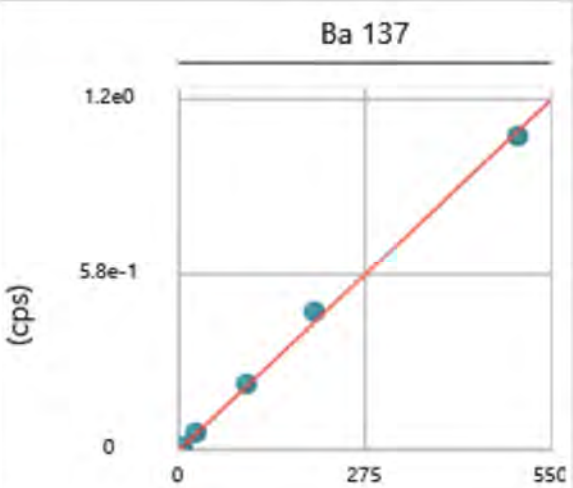
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999974
BEC : 0.000118 ug/L
DL : 0.057125 ug/L



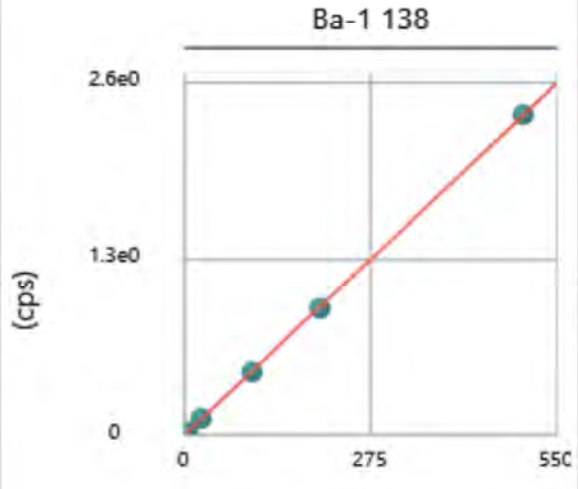
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.000092 ug/L
DL : 0.038430 ug/L



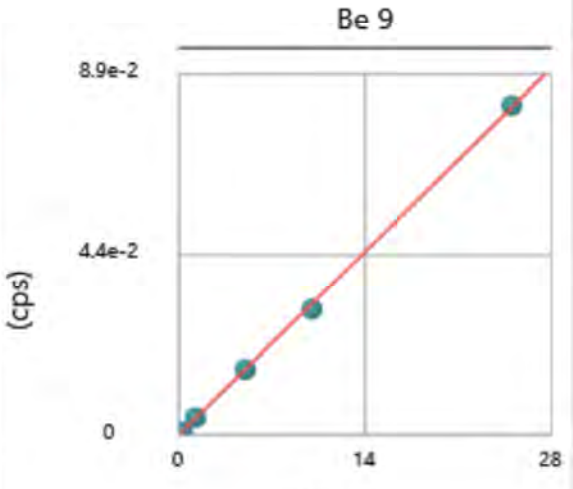
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



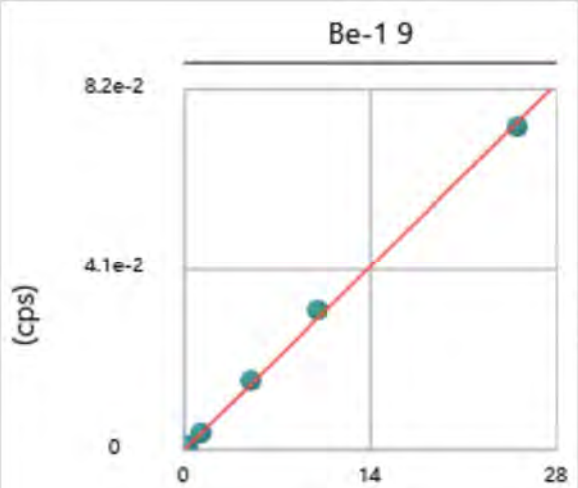
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999430
BEC : -0.000066 ug/L
DL : 0.004912 ug/L



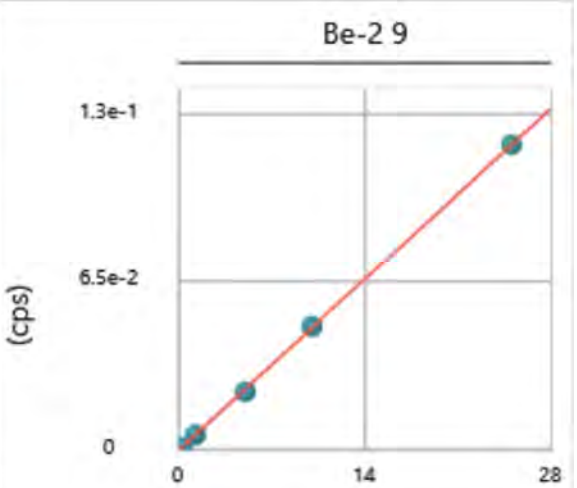
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999983
BEC : 0.000008 mg/L
DL : 0.014435 mg/L



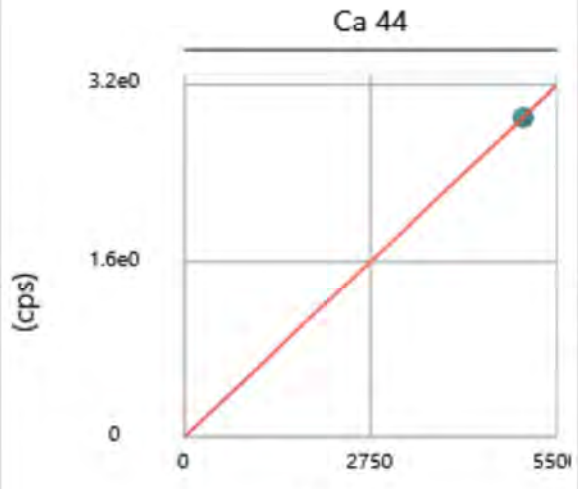
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999869
BEC : 0.000003 ug/L
DL : 0.000493 ug/L



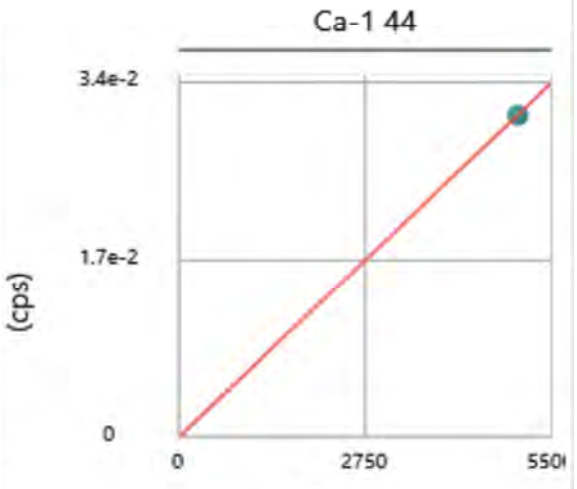
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999560
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



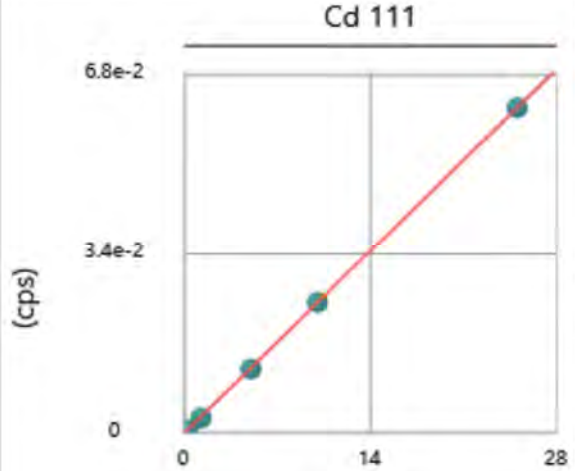
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999961
BEC : 0.000001 ug/L
DL : 0.000292 ug/L



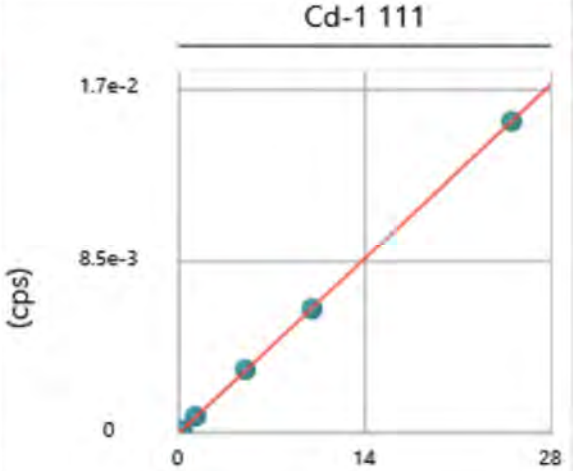
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.024869 ug/L
DL : 3.567447 ug/L



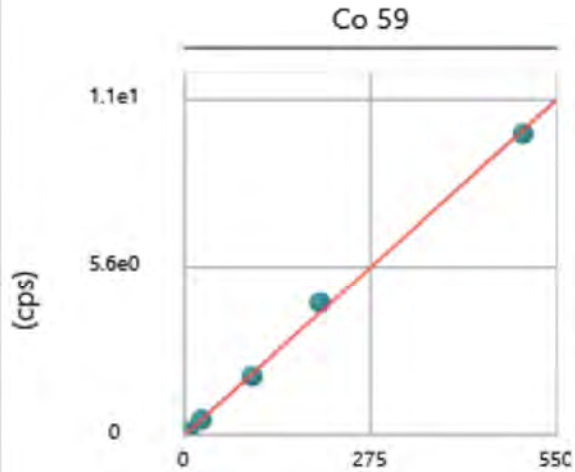
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.004819 mg/L
DL : 8.892260 mg/L



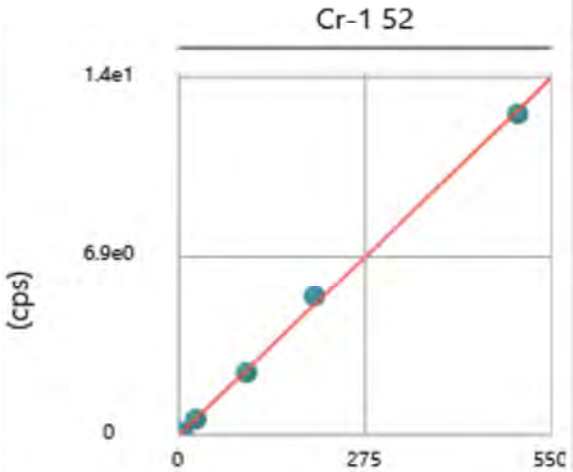
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999992
BEC : 0.000002 ug/L
DL : 0.000864 ug/L



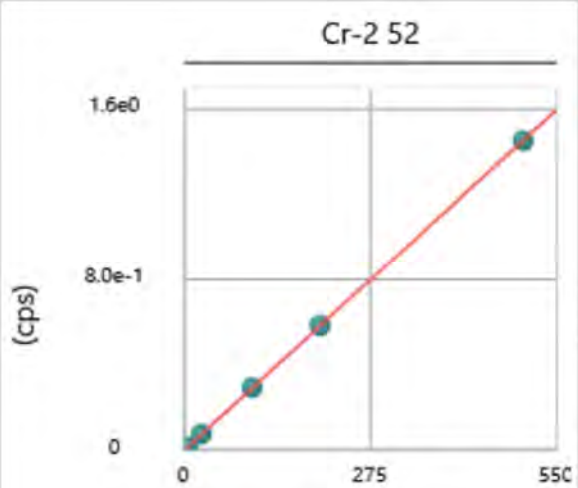
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999984
BEC : 0.000052 mg/L
DL : 0.026014 mg/L



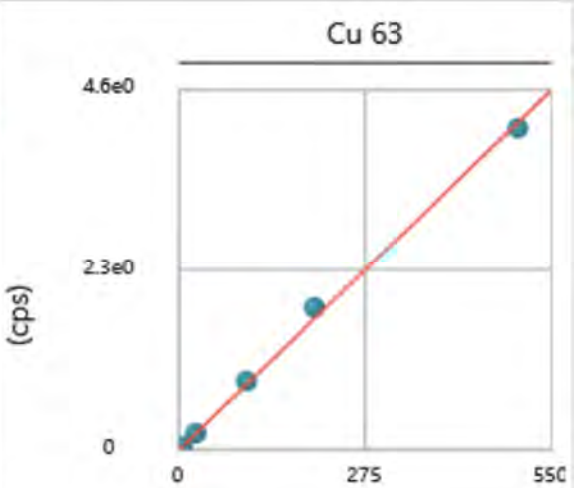
Eqn. : y = 0.020x + 0.000
Cor.Coeff. : 0.999470
BEC : 0.000002 ug/L
DL : 0.000628 ug/L



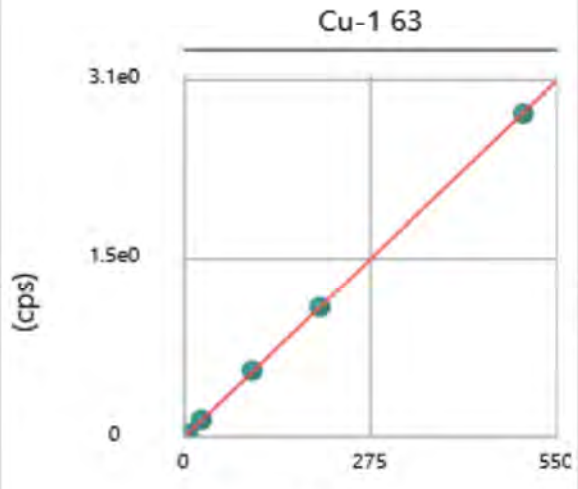
Eqn. : y = 0.025x + 0.000
Cor.Coeff. : 0.999625
BEC : 0.005781 ug/L
DL : 0.470925 ug/L



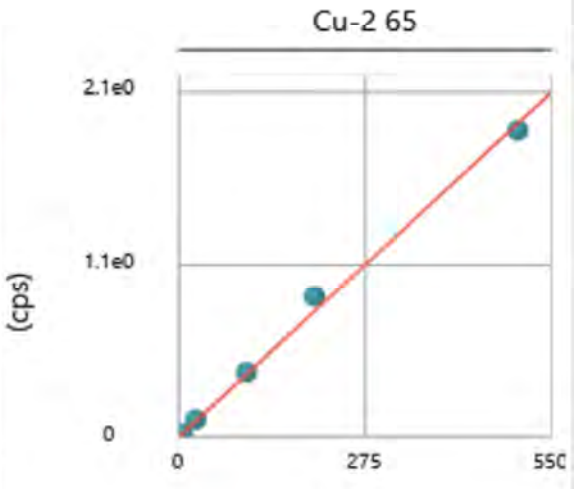
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999995
BEC : 0.000020 ug/L
DL : 0.016957 ug/L



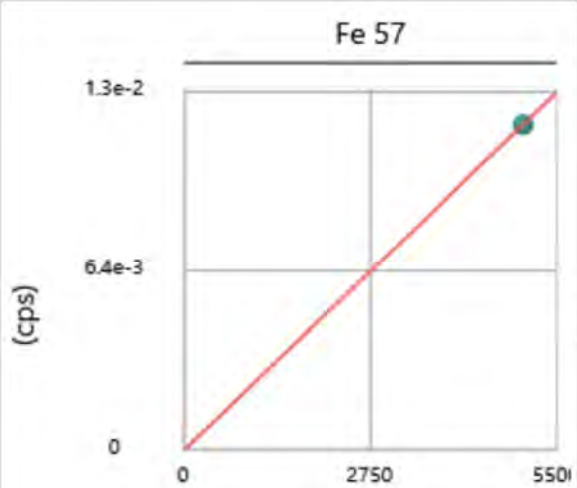
Eqn. : y = 0.008x + 0.000
Cor.Coeff. : 0.999336
BEC : 0.000778 ug/L
DL : 0.065347 ug/L



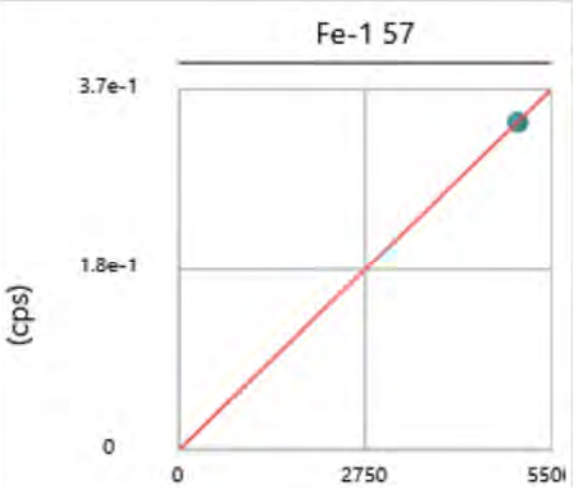
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999982
BEC : 0.000041 ug/L
DL : 0.021775 ug/L



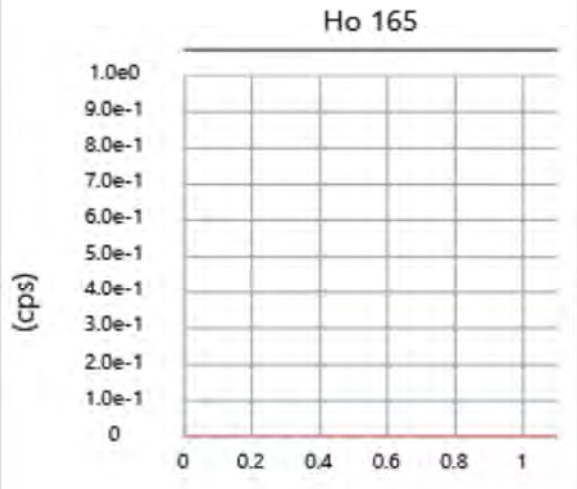
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.998796
BEC : -0.000196 ug/L
DL : 0.015428 ug/L



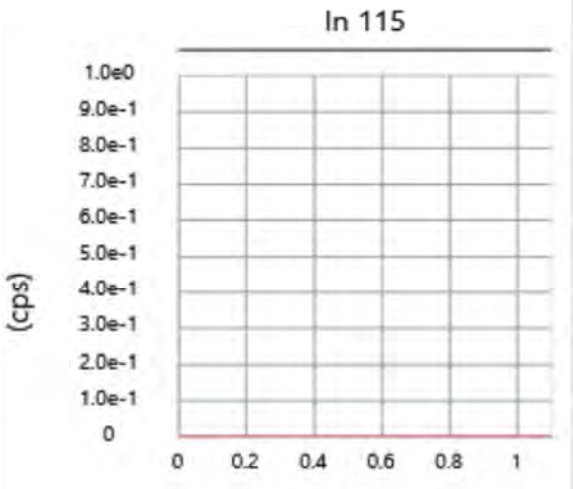
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.061389 ug/L
DL : 9.963088 ug/L



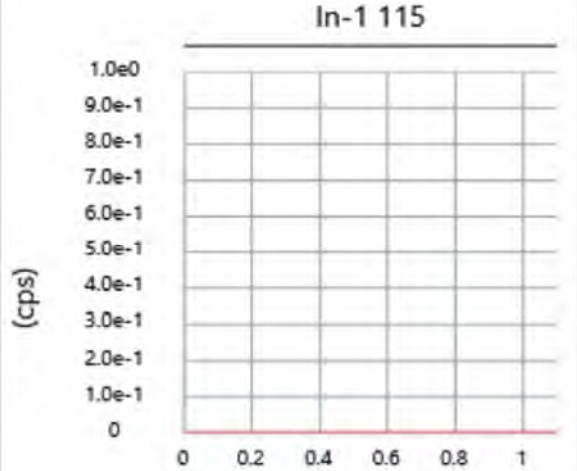
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.001356 ug/L
DL : 0.787996 ug/L



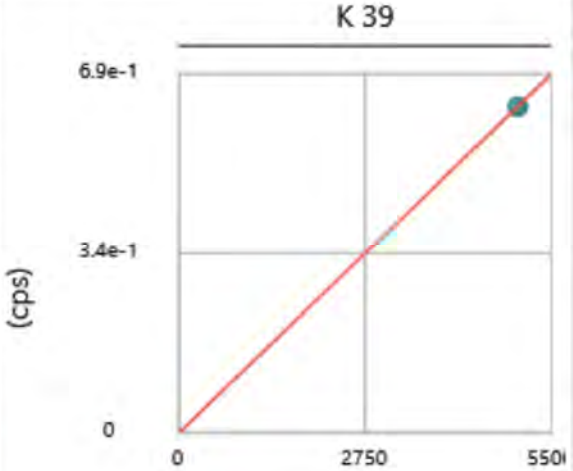
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



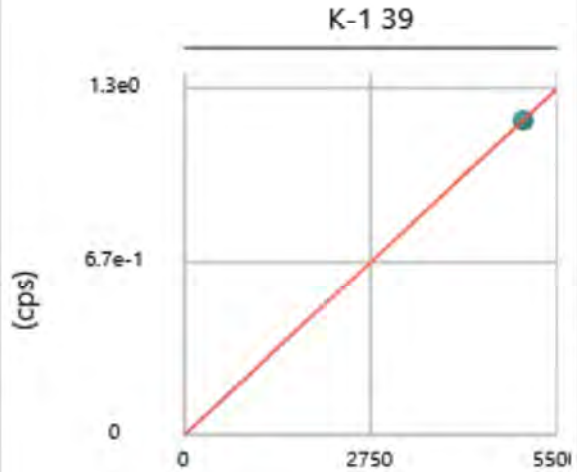
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



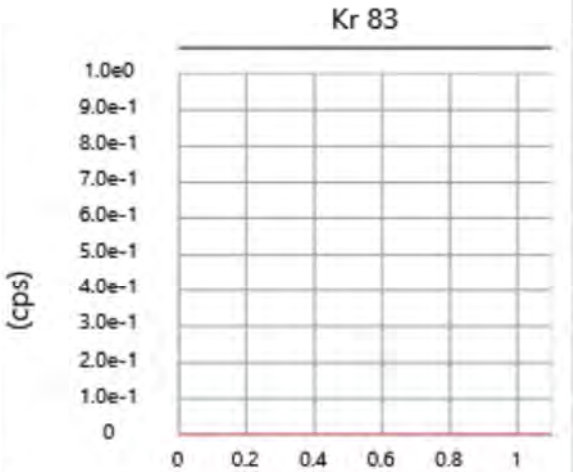
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



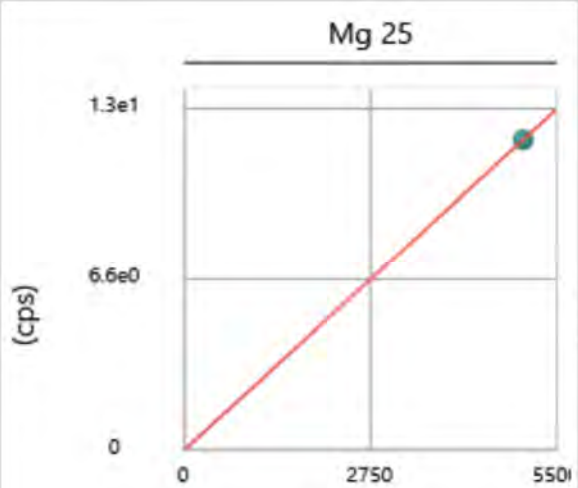
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.023629 ug/L
DL : 3.391401 ug/L



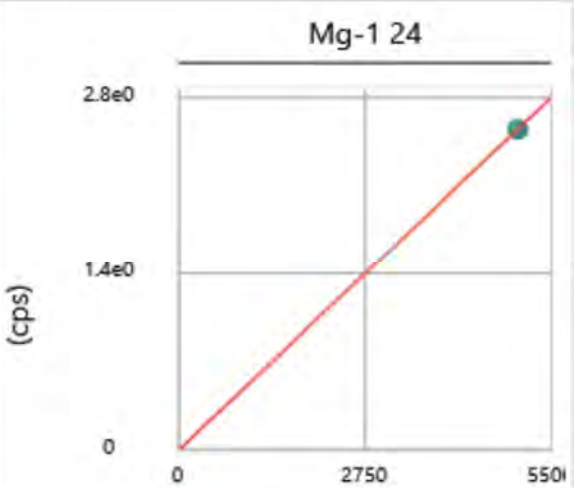
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.003404 mg/L
DL : 2.328676 mg/L



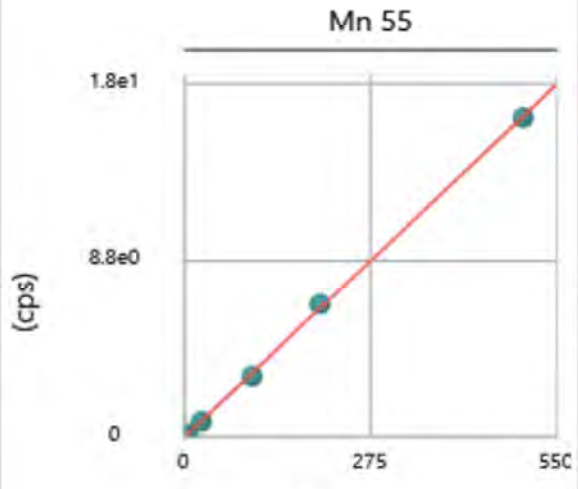
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



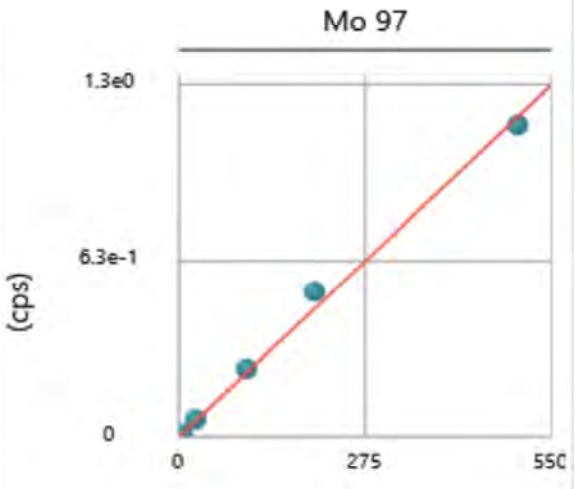
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000012 ug/L
DL : 0.012271 ug/L



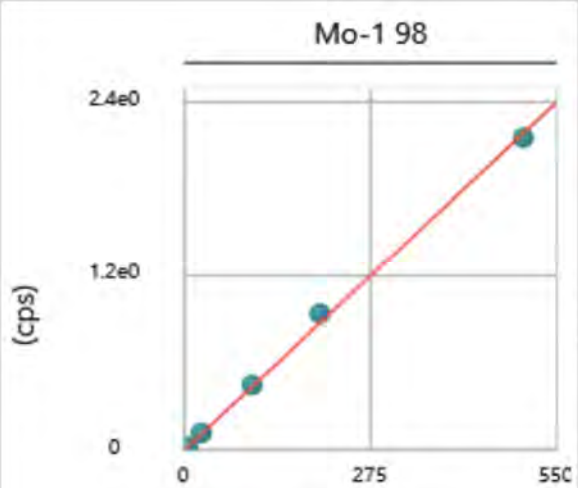
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000119 mg/L
DL : 0.077982 mg/L



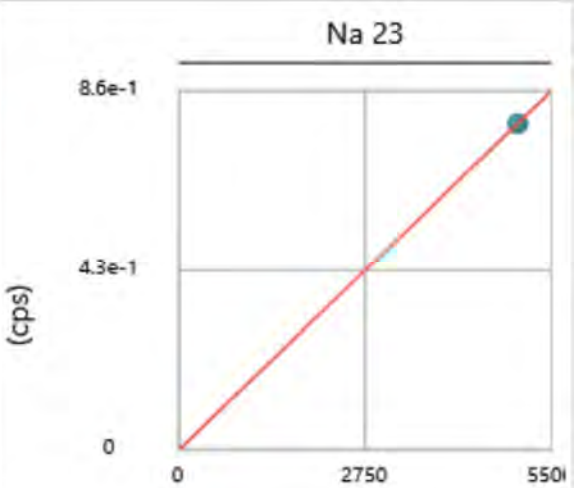
Eqn. : y = 0.032x + 0.000
Cor.Coeff. : 0.999872
BEC : 0.002356 ug/L
DL : 0.196218 ug/L



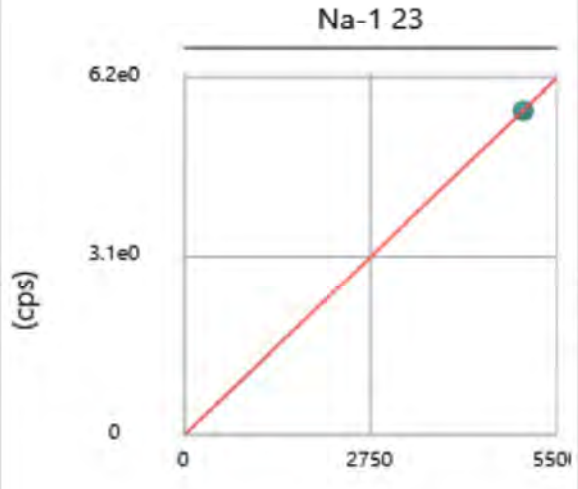
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.998412
BEC : -0.000304 ug/L
DL : 0.028162 ug/L



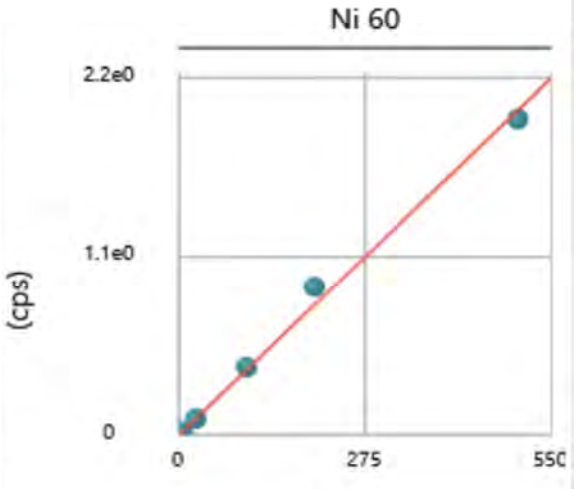
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999547
BEC : 0.000025 ug/L
DL : 0.023691 ug/L



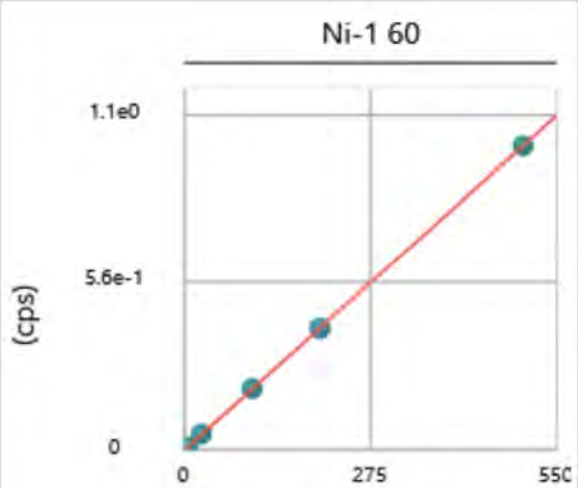
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.002485 ug/L
DL : 0.516286 ug/L



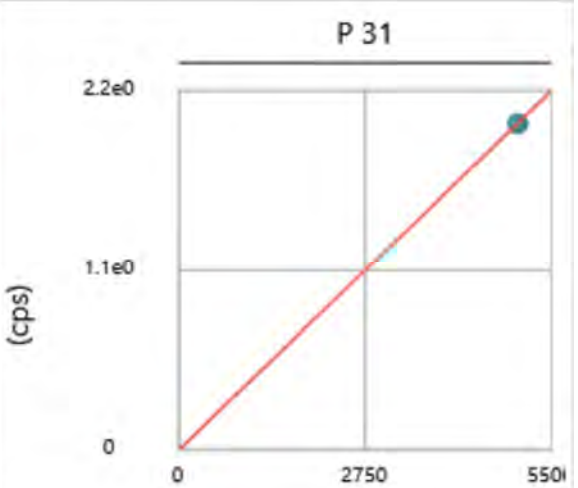
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000402 mg/L
DL : 0.403698 mg/L



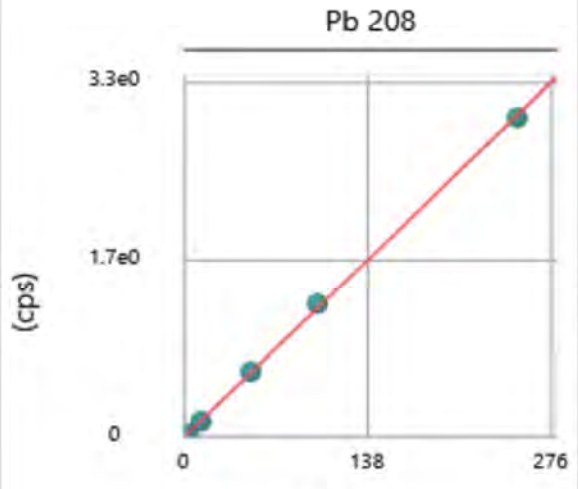
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.998341
BEC : 0.000098 ug/L
DL : 0.010059 ug/L



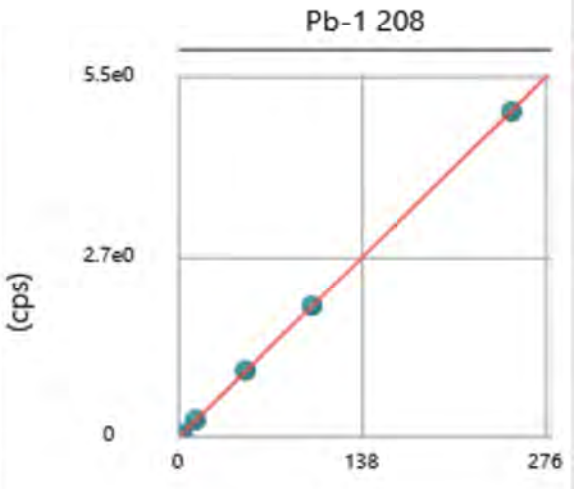
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999994
BEC : -0.000003 ug/L
DL : 0.004771 ug/L



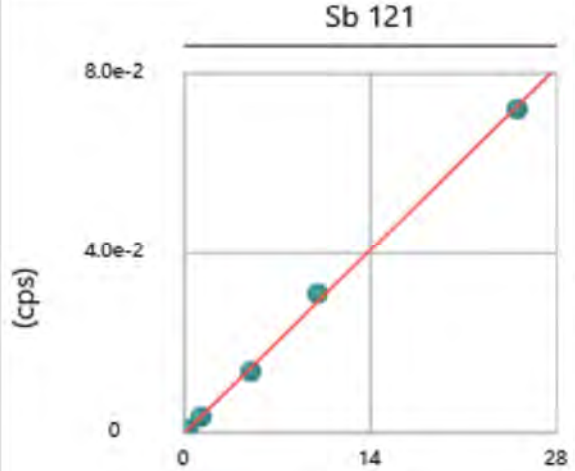
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.386069 ug/L
DL : 1033.133383 ug/L



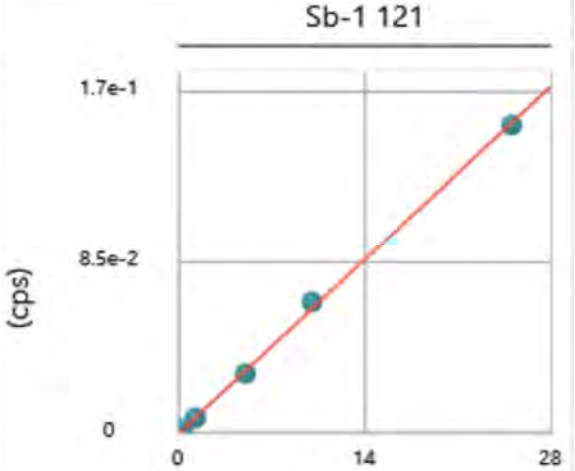
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999893
BEC : 0.000010 ug/L
DL : 0.000711 ug/L



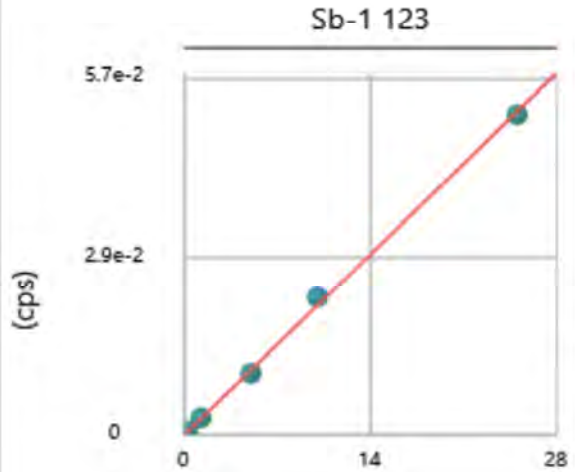
Eqn. : y = 0.020x + 0.000
Cor.Coeff. : 0.999987
BEC : 0.000002 ug/L
DL : 0.000465 ug/L



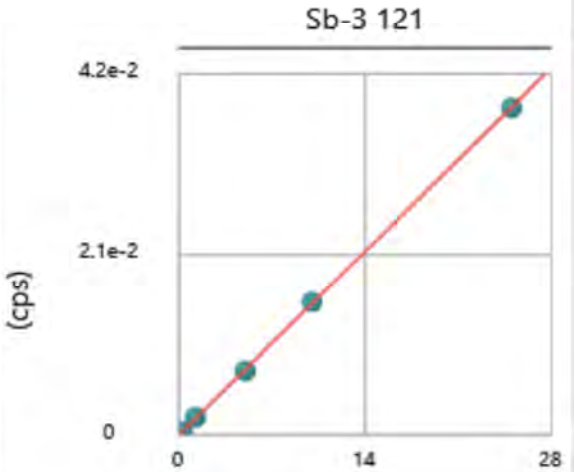
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999653
BEC : 0.000035 ug/L
DL : 0.002631 ug/L



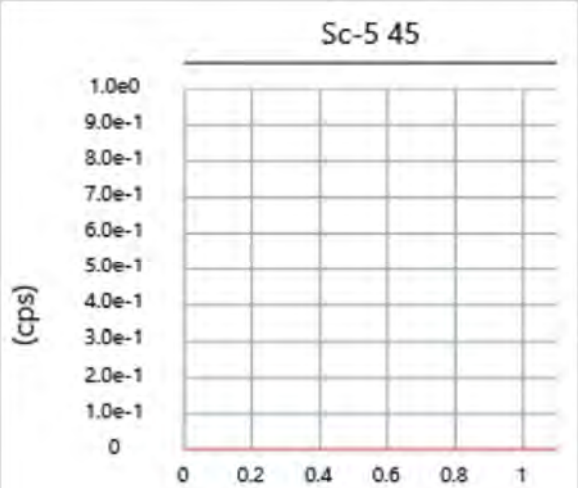
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999770
BEC : 0.000028 ug/L
DL : 0.002351 ug/L



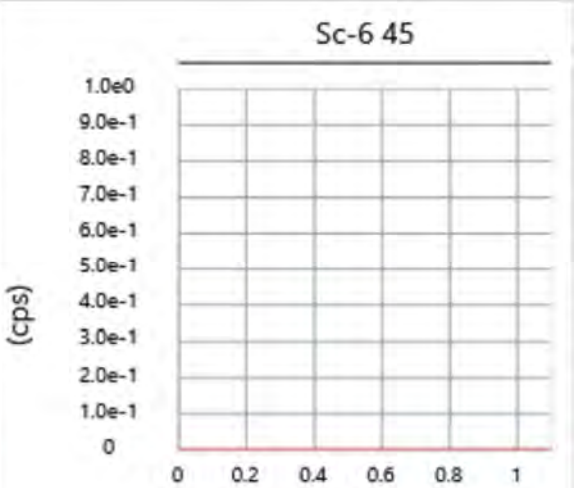
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999644
BEC : -0.000009 ug/L
DL : 0.003416 ug/L



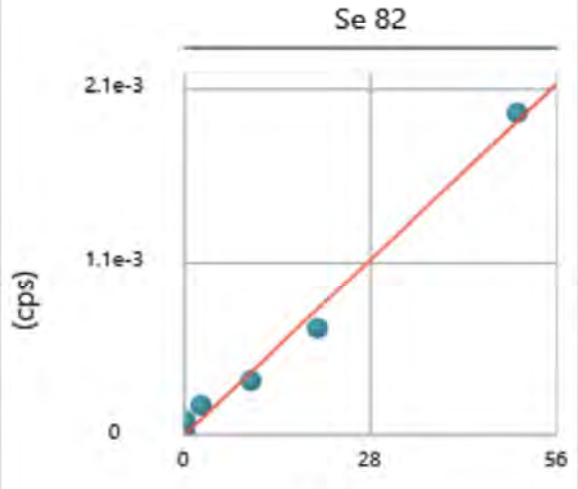
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999971
BEC : 0.000000 ug/L
DL : 0.002939 ug/L



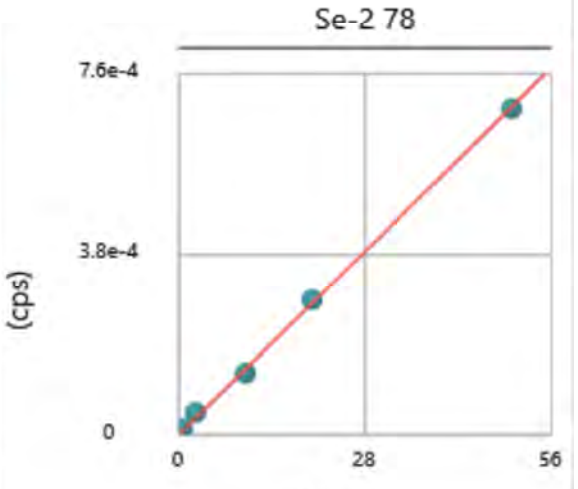
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



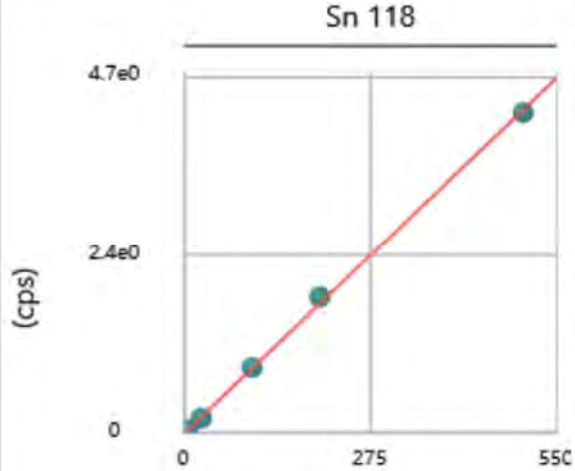
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN mg/L
DL : NaN mg/L



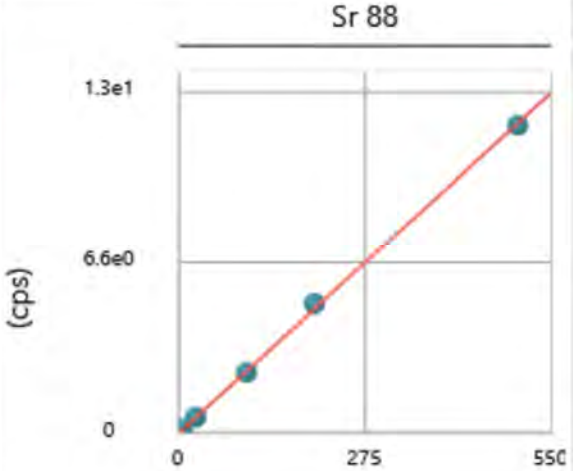
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.994846
BEC : -0.132934 ug/L
DL : 11.260894 ug/L



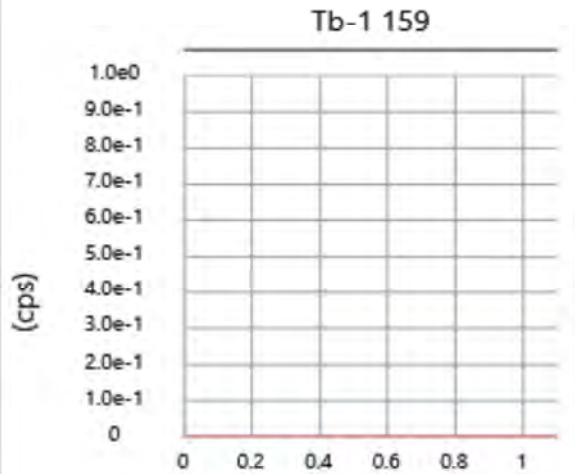
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999642
BEC : 0.001719 ug/L
DL : 0.545408 ug/L



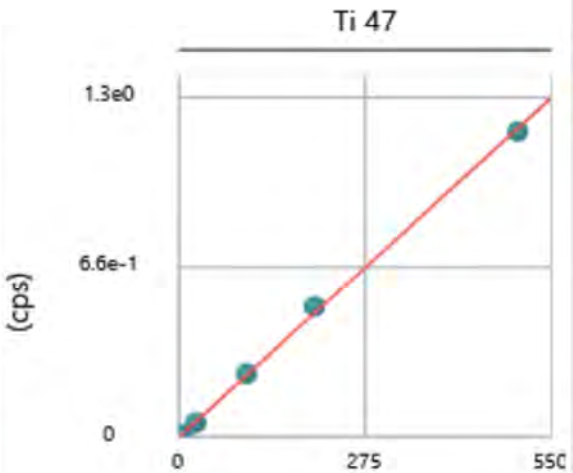
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999790
BEC : 0.000270 ug/L
DL : 0.028172 ug/L



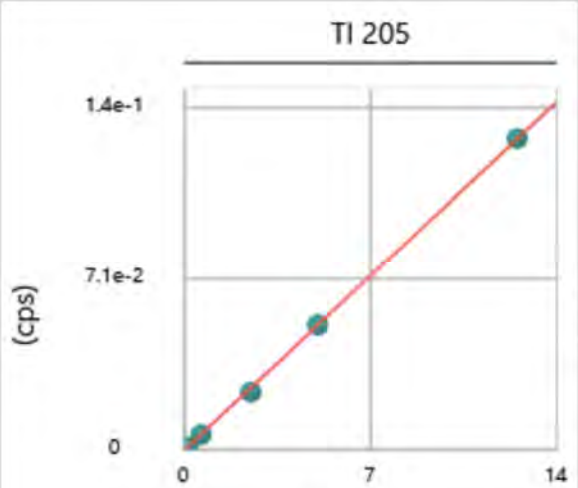
Eqn. : y = 0.024x + 0.000
Cor.Coeff. : 0.999855
BEC : -0.000006 ug/L
DL : 0.000469 ug/L



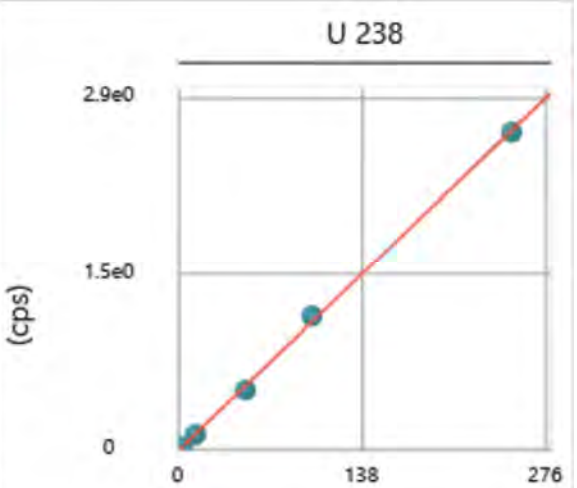
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



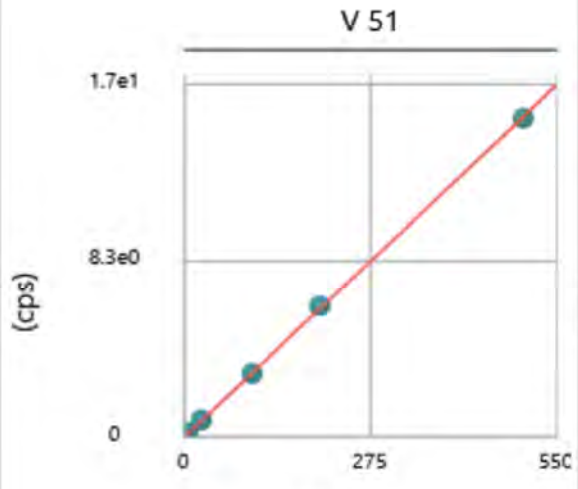
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999744
BEC : 0.001339 ug/L
DL : 0.099006 ug/L



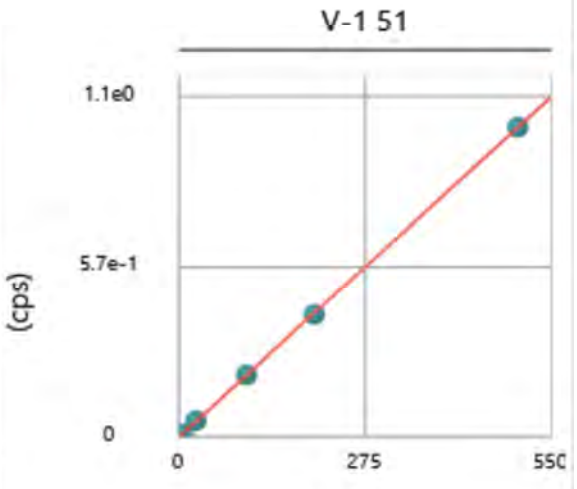
Eqn. : y = 0.010x + 0.000
Cor.Coeff. : 0.999926
BEC : -0.000003 ug/L
DL : 0.000187 ug/L



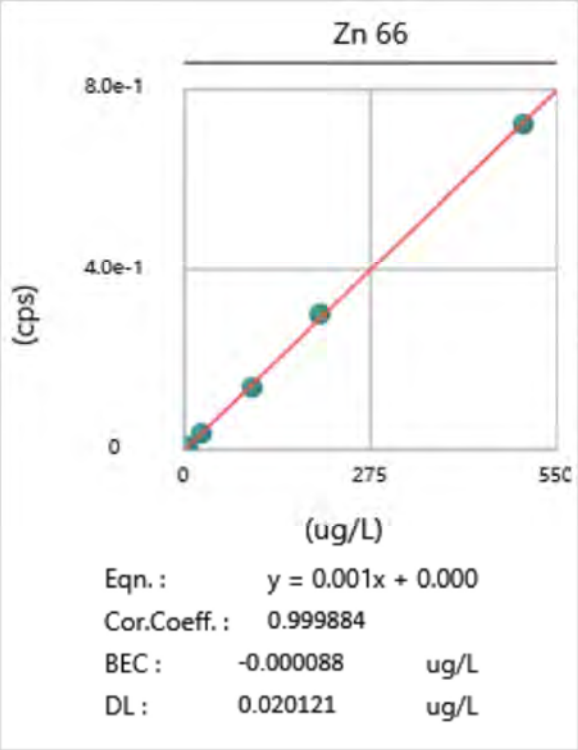
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999794
BEC : 0.000002 ug/L
DL : 0.000212 ug/L

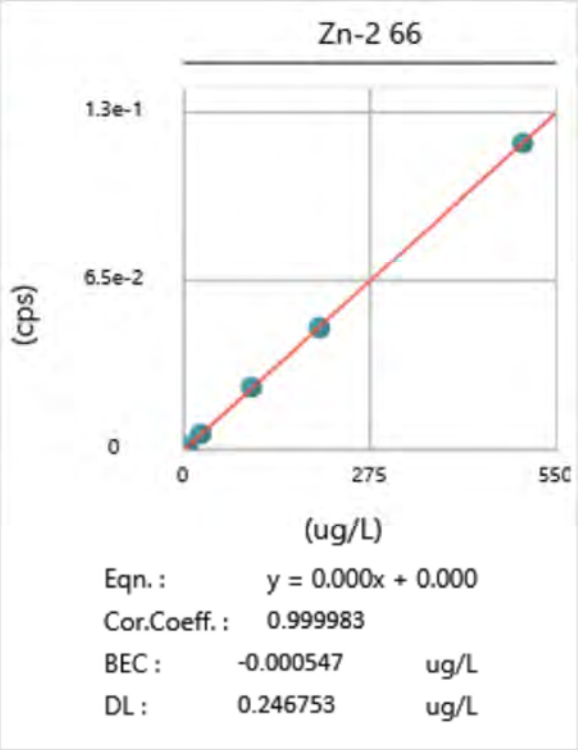


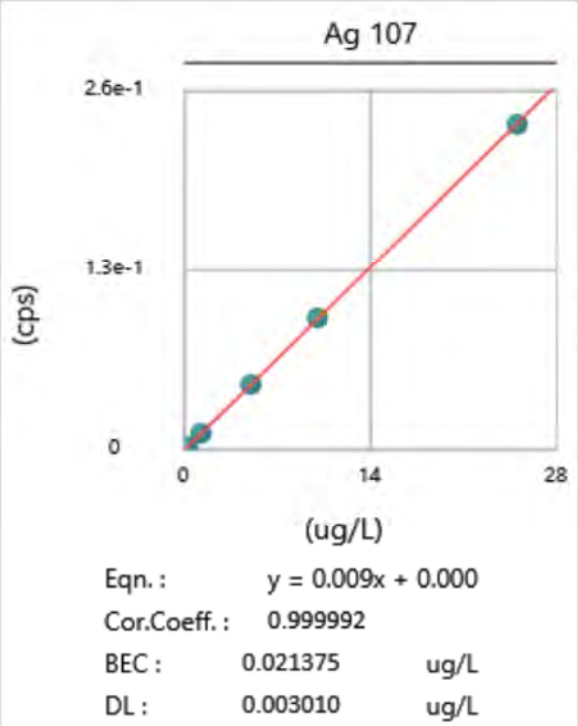
Eqn. : y = 0.030x + 0.000
Cor.Coeff. : 0.999939
BEC : 0.019939 ug/L
DL : 1.671168 ug/L



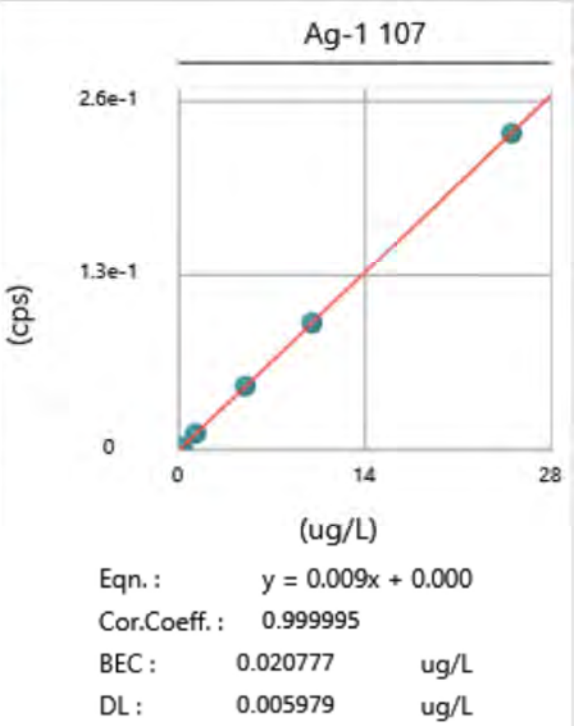
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999984
BEC : 0.000031 ug/L
DL : 0.019783 ug/L


Zn 66
8.0e-1
4.0e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999884
BEC : -0.000088 ug/L
DL : 0.020121 ug/L

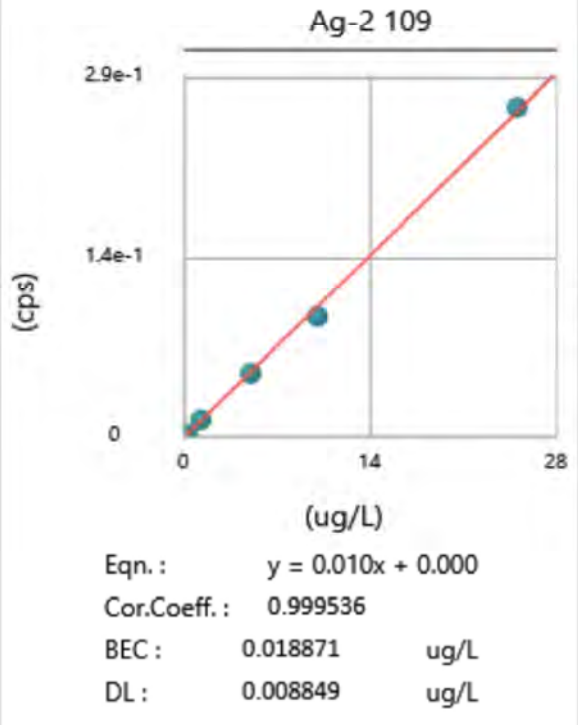

Zn-2 66
1.3e-1
6.5e-2
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999983
BEC : -0.000547 ug/L
DL : 0.246753 ug/L



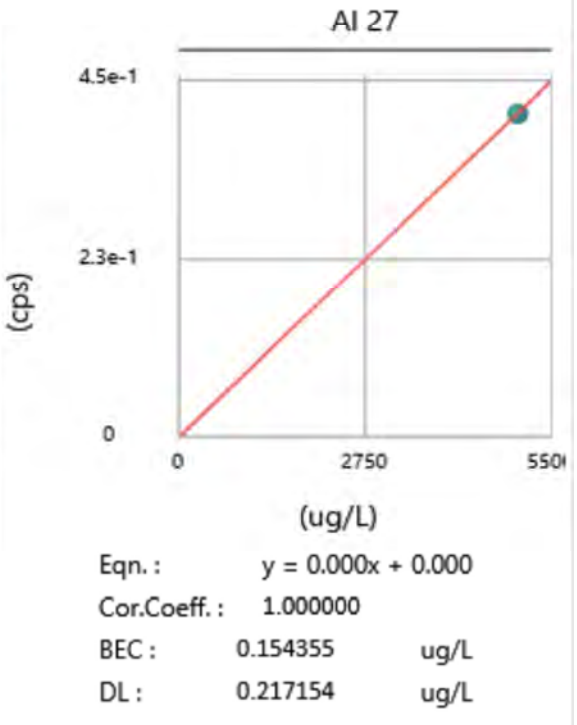
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999992
BEC : 0.021375 ug/L
DL : 0.003010 ug/L



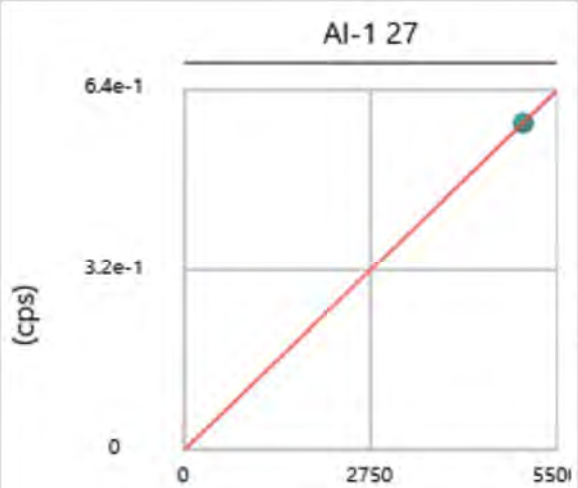
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999995
BEC : 0.020777 ug/L
DL : 0.005979 ug/L



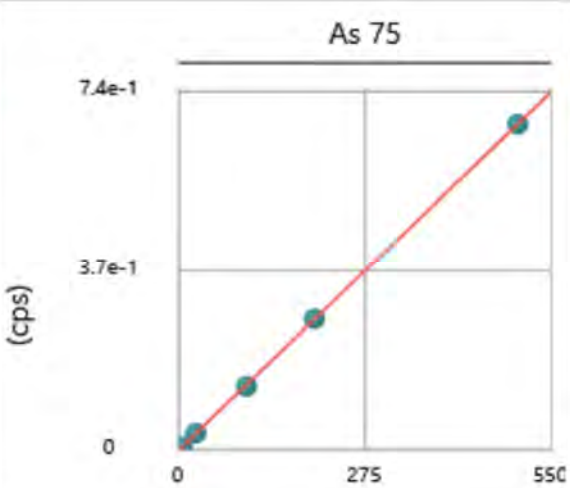
Eqn. : y = 0.010x + 0.000
Cor.Coeff. : 0.999536
BEC : 0.018871 ug/L
DL : 0.008849 ug/L



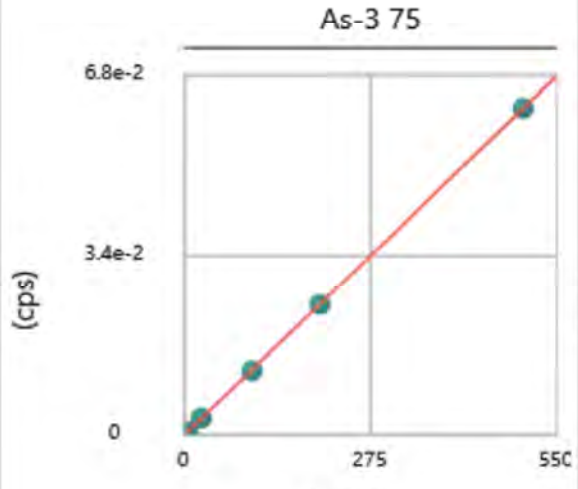
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.154355 ug/L
DL : 0.217154 ug/L



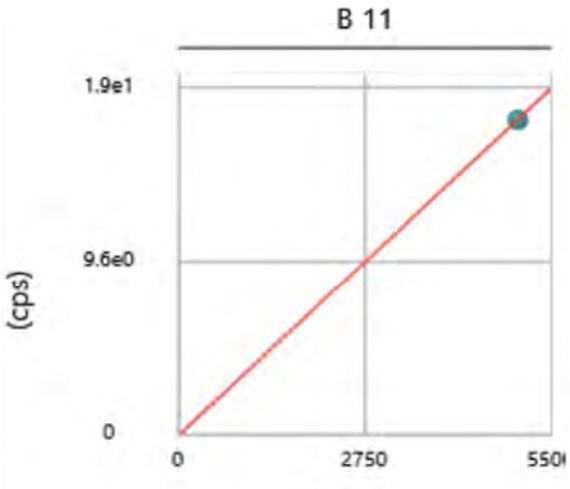
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.203136 mg/L
DL : 0.404684 mg/L



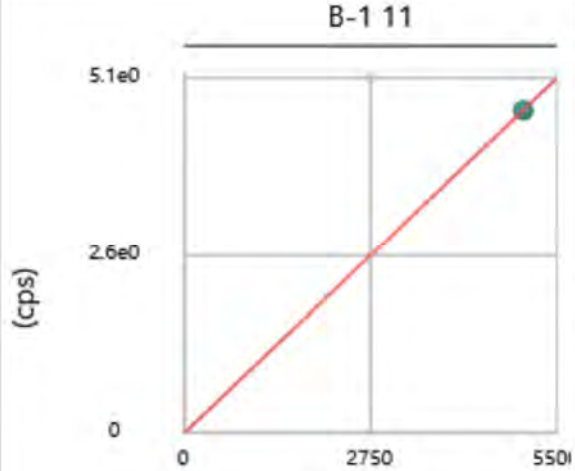
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999988
BEC : 2.492275 ug/L
DL : 1.309645 ug/L



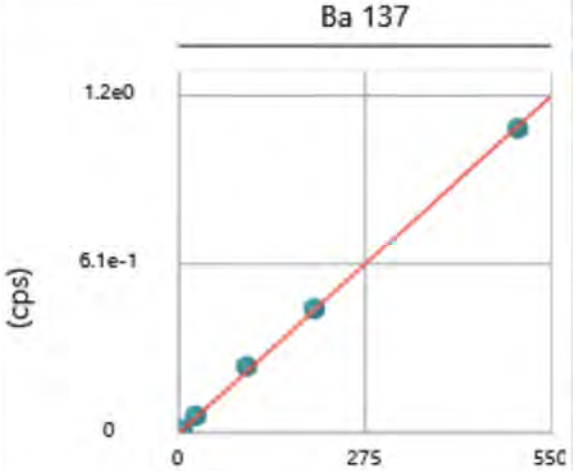
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999994
BEC : 0.058250 ug/L
DL : 0.109444 ug/L



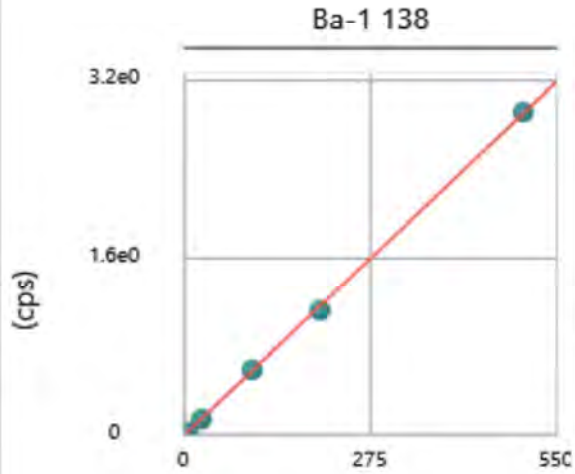
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 1.000000
BEC : 1.281336 ug/L
DL : 0.333396 ug/L



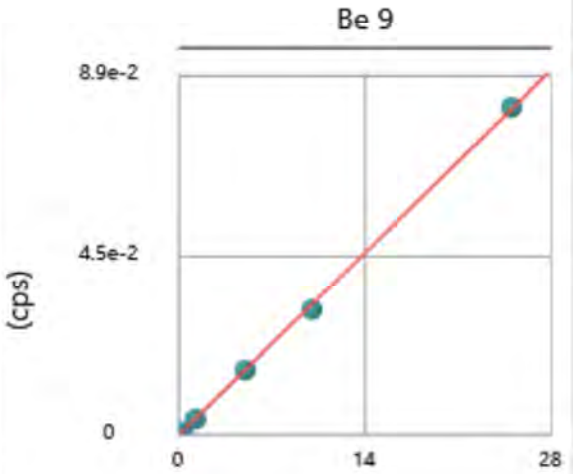
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 1.558553 ug/L
DL : 1.136373 ug/L



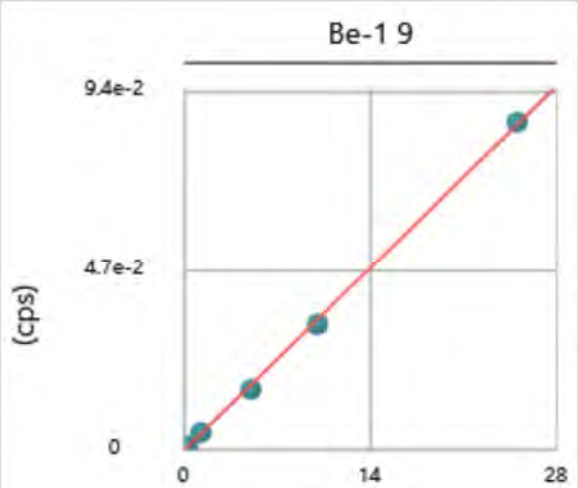
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999821
BEC : 0.015265 ug/L
DL : 0.004565 ug/L



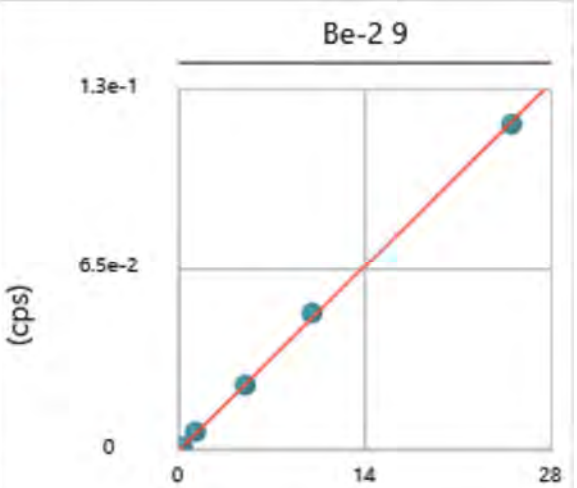
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999911
BEC : 0.013366 mg/L
DL : 0.012359 mg/L



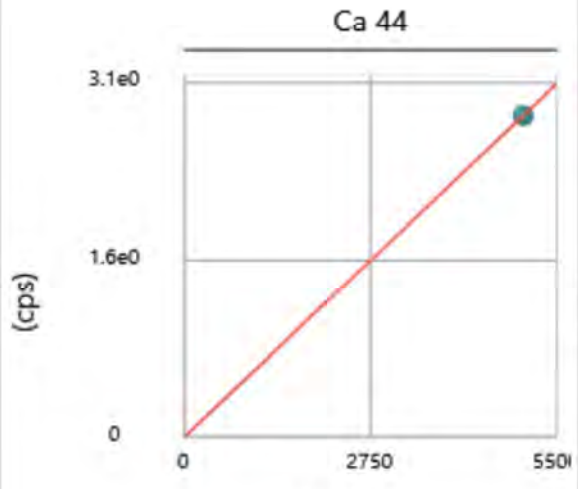
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999888
BEC : 0.001615 ug/L
DL : 0.001064 ug/L



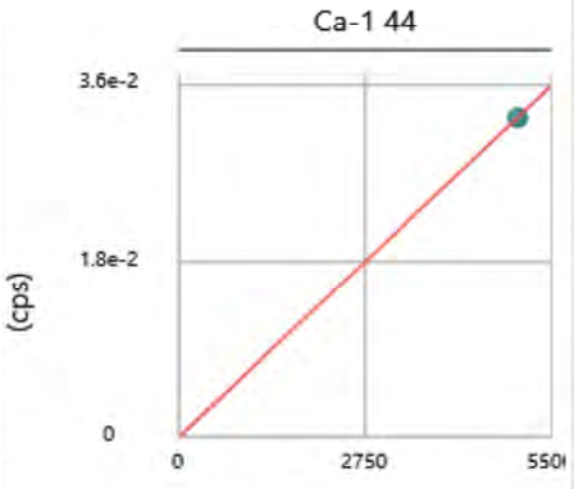
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999809
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



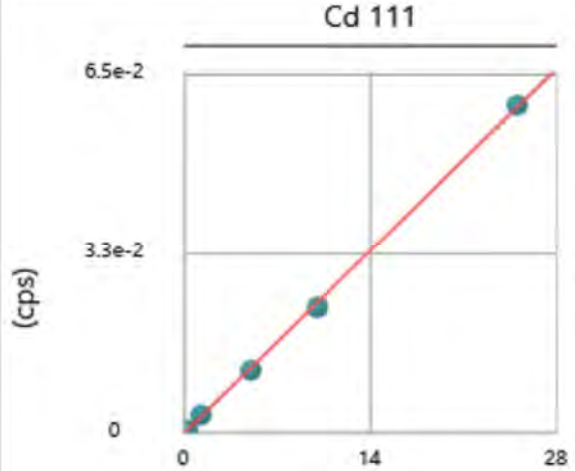
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999856
BEC : 0.001597 ug/L
DL : 0.000916 ug/L



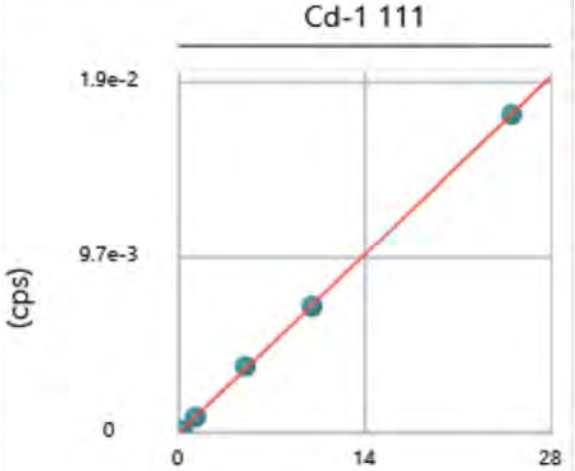
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 34.442800 ug/L
DL : 4.878565 ug/L



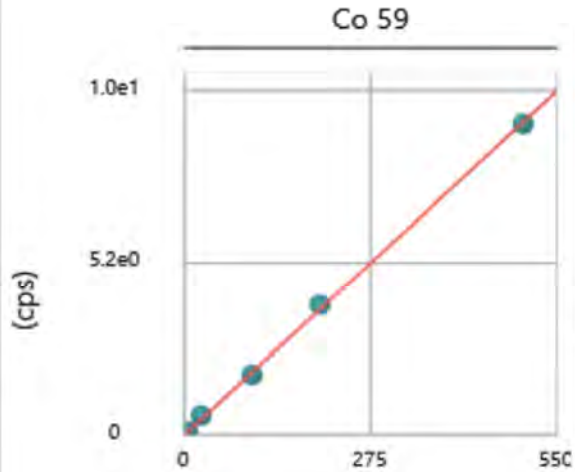
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 2.674580 mg/L
DL : 5.641046 mg/L



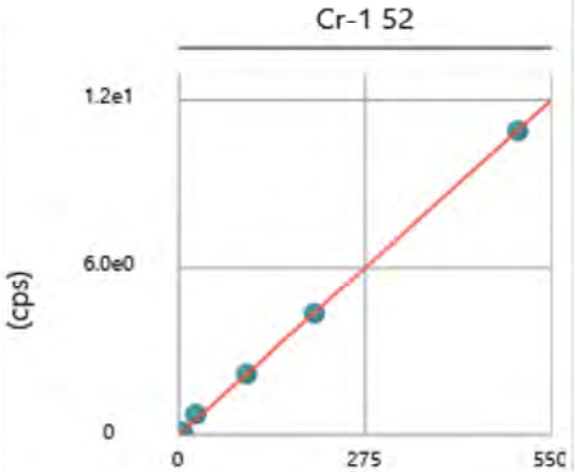
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999861
BEC : 0.000852 ug/L
DL : 0.002150 ug/L



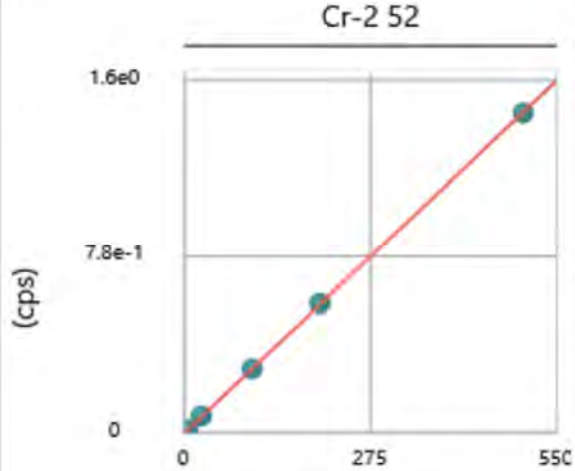
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999958
BEC : 0.023728 mg/L
DL : 0.040739 mg/L



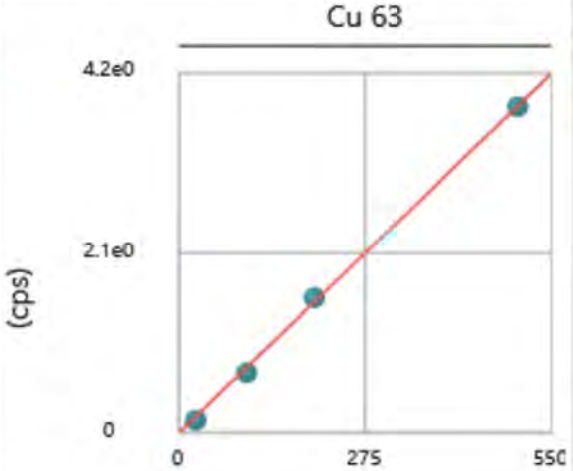
Eqn. : y = 0.019x + 0.000
Cor.Coeff. : 0.999788
BEC : 0.005710 ug/L
DL : 0.000556 ug/L



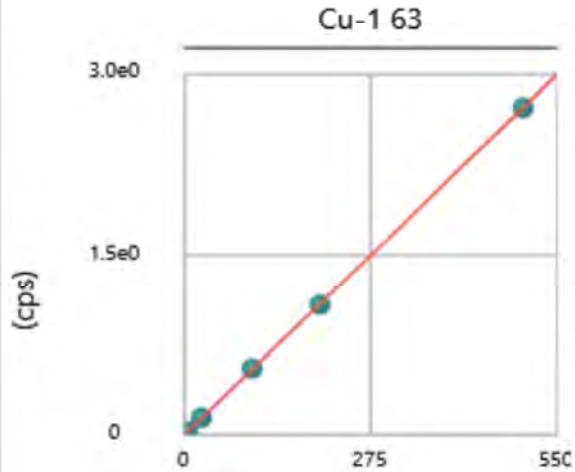
Eqn. : y = 0.022x + 0.000
Cor.Coeff. : 0.999843
BEC : 1.773888 ug/L
DL : 1.013808 ug/L



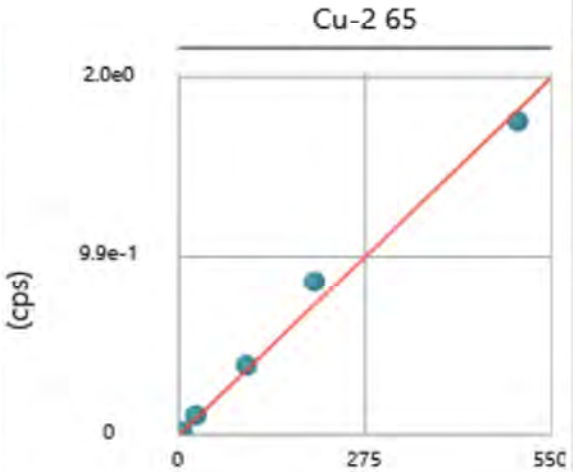
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999988
BEC : 0.028035 ug/L
DL : 0.009717 ug/L



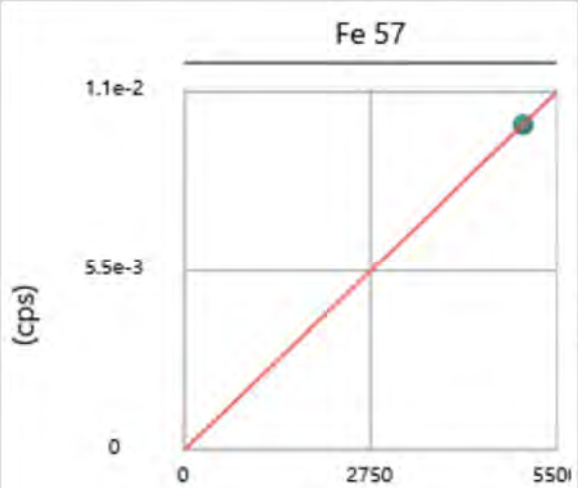
Eqn. : y = 0.008x + 0.000
Cor.Coeff. : 0.999574
BEC : 21.652989 ug/L
DL : 7.670308 ug/L



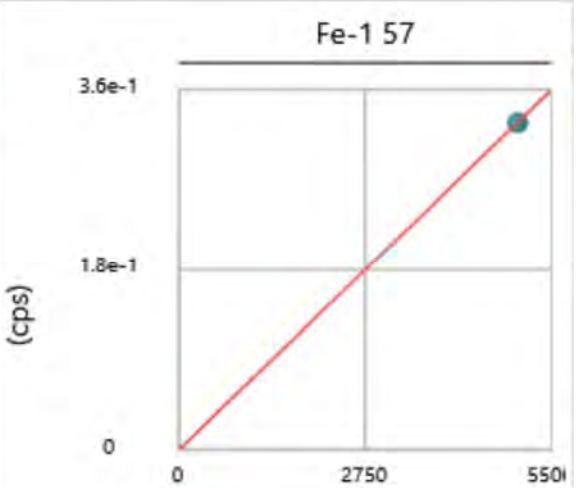
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999988
BEC : 0.027401 ug/L
DL : 0.007945 ug/L



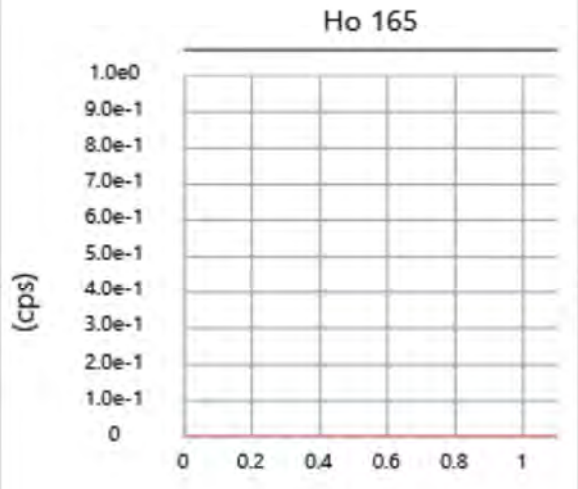
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.997187
BEC : 0.484335 ug/L
DL : 0.181069 ug/L



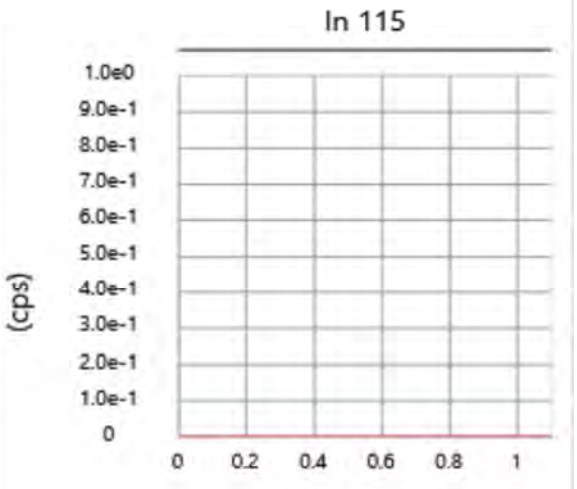
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 19.641134 ug/L
DL : 8.931146 ug/L



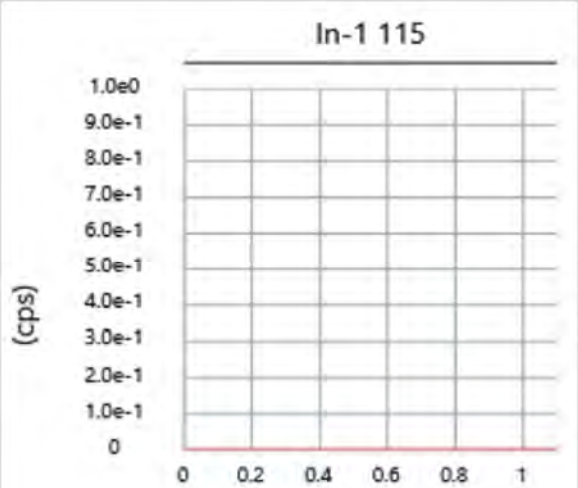
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.240317 ug/L
DL : 0.006930 ug/L



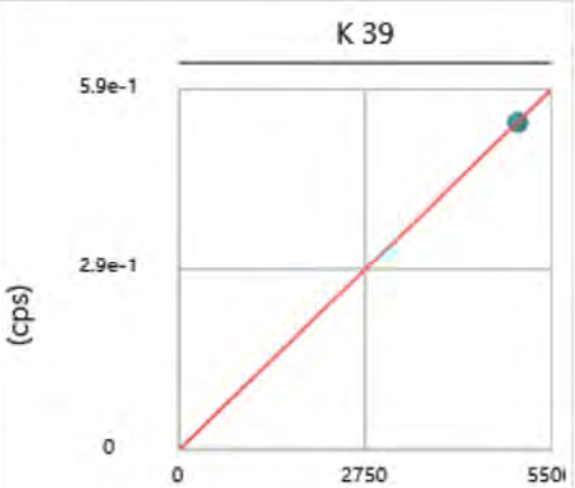
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



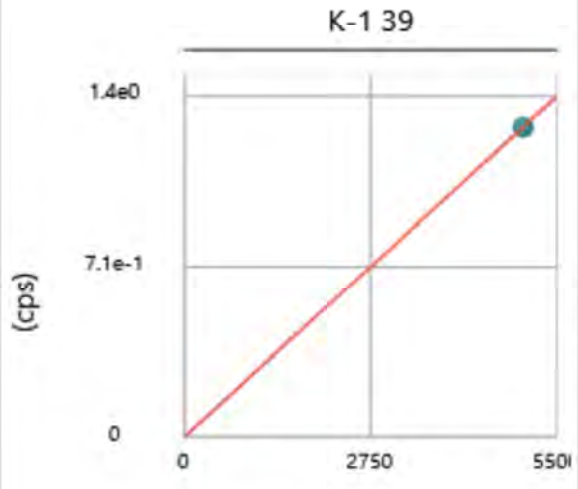
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



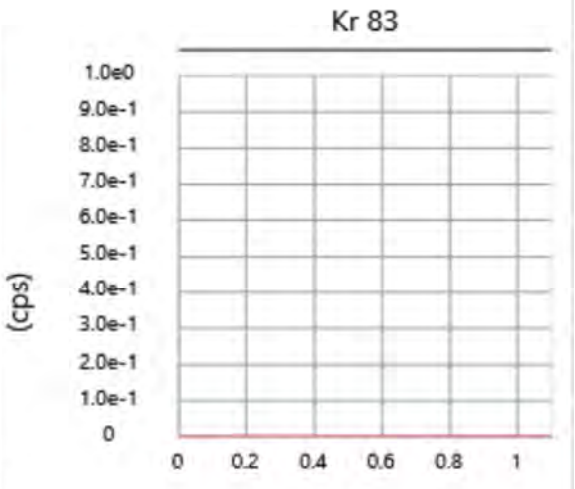
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



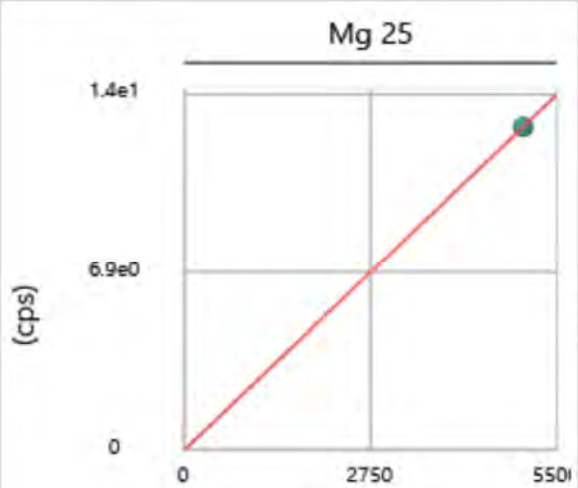
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 23.354053 ug/L
DL : 3.917432 ug/L



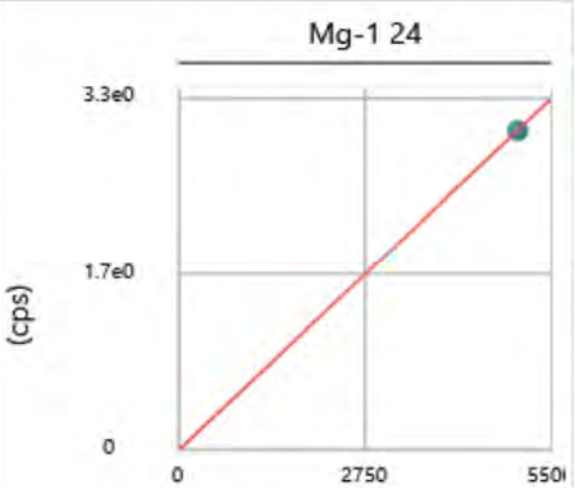
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 45.226674 mg/L
DL : 1.521901 mg/L



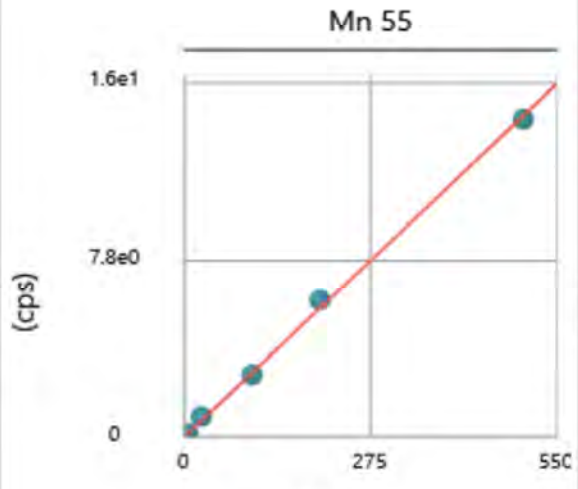
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



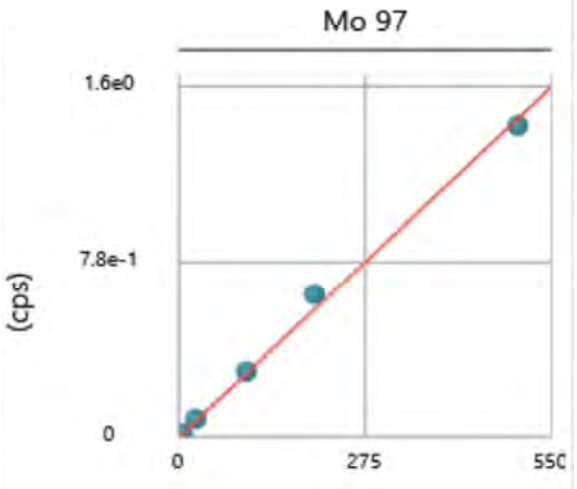
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.290928 ug/L
DL : 0.414717 ug/L



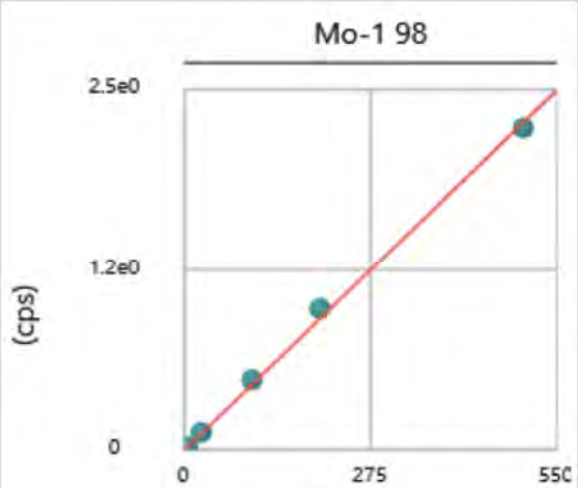
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.217169 mg/L
DL : 0.053824 mg/L



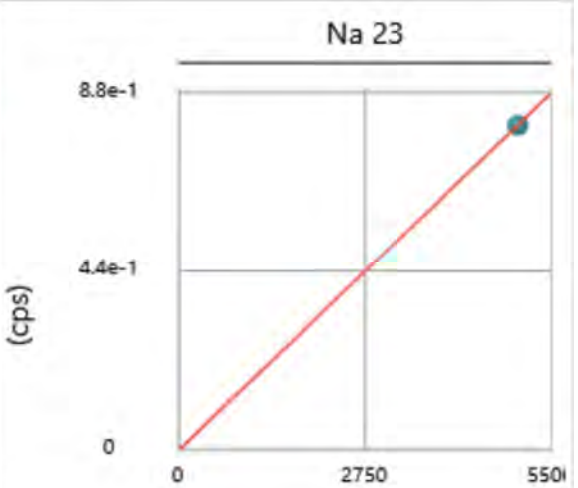
Eqn. : y = 0.028x + 0.000
Cor.Coeff. : 0.999571
BEC : 0.516549 ug/L
DL : 0.241341 ug/L



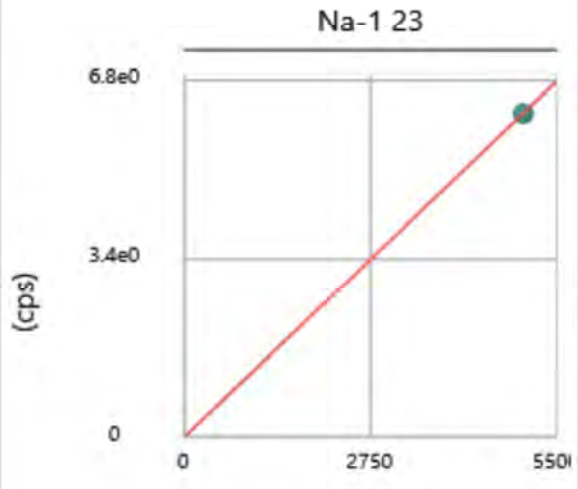
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.998782
BEC : 0.124935 ug/L
DL : 0.028134 ug/L



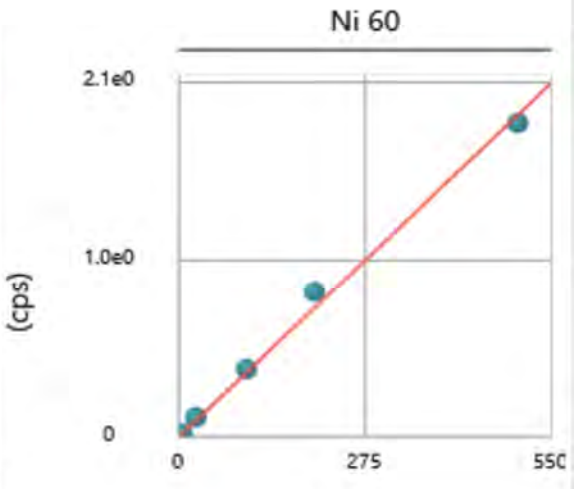
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999378
BEC : 0.051529 ug/L
DL : 0.011728 ug/L



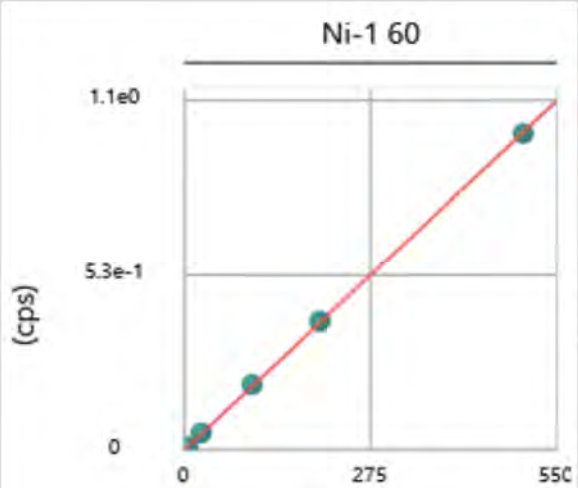
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 100.388363 ug/L
DL : 18.158336 ug/L



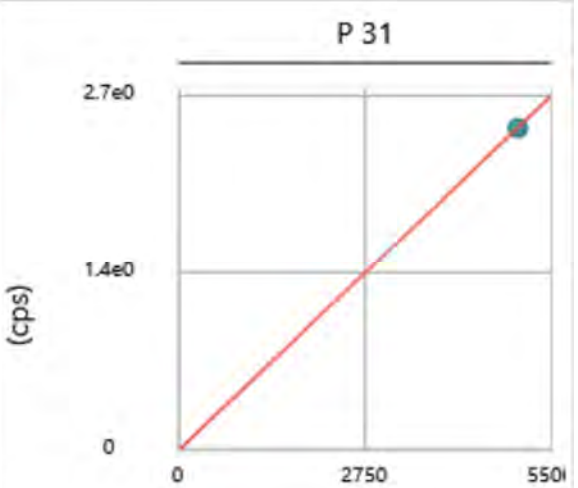
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 111.244889 mg/L
DL : 3.533443 mg/L



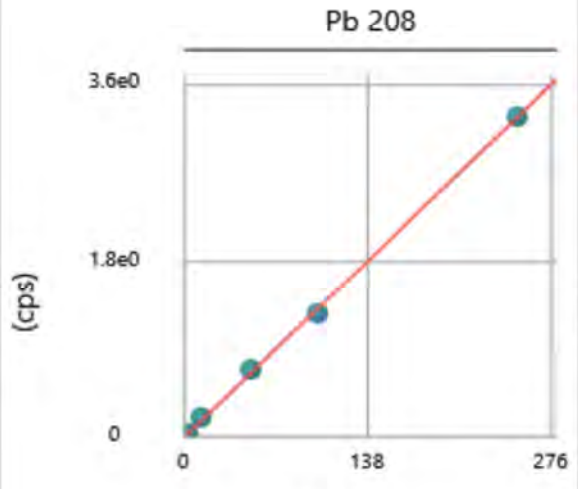
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.998543
BEC : 0.241474 ug/L
DL : 0.085389 ug/L



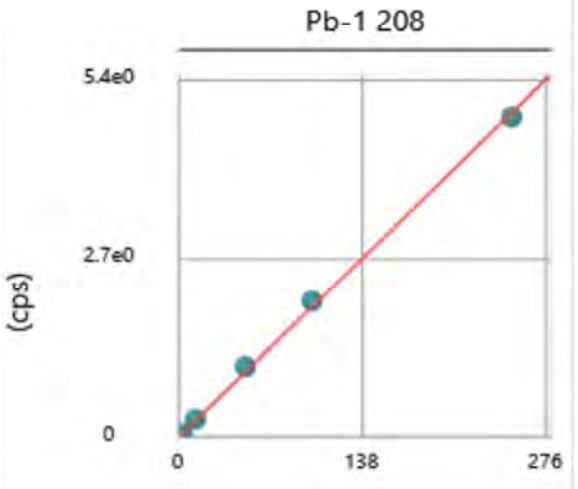
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999957
BEC : 0.006300 ug/L
DL : 0.004606 ug/L



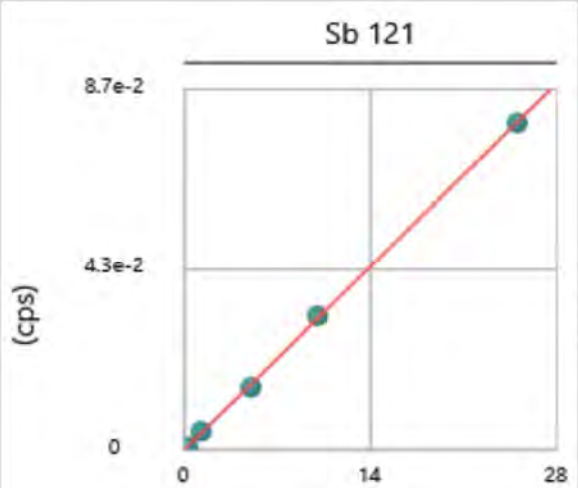
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 2101.013063 ug/L
DL : 1158.577530 ug/L



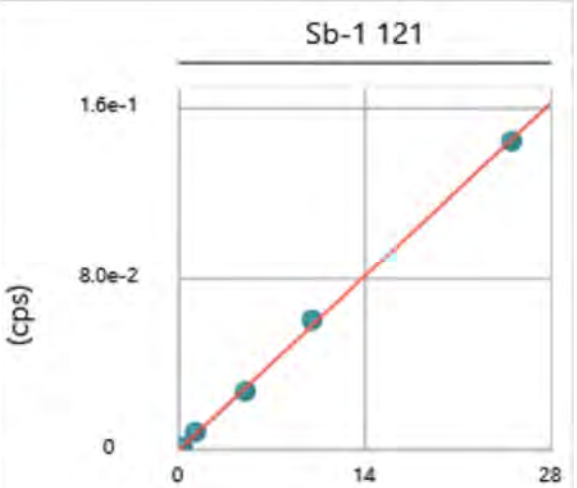
Eqn. : y = 0.013x + 0.000
Cor.Coeff. : 0.999797
BEC : 0.002876 ug/L
DL : 0.001037 ug/L



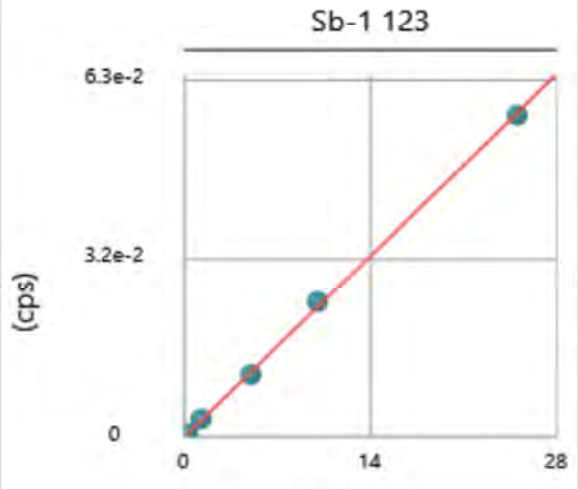
Eqn. : y = 0.020x + 0.000
Cor.Coeff. : 0.999641
BEC : 0.003260 ug/L
DL : 0.001110 ug/L



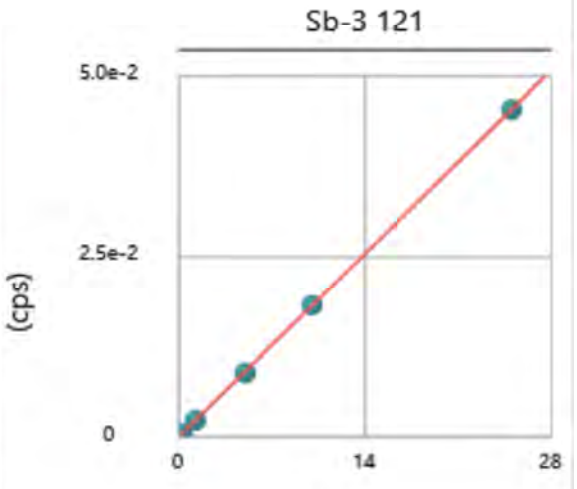
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999920
BEC : 0.011381 ug/L
DL : 0.006100 ug/L



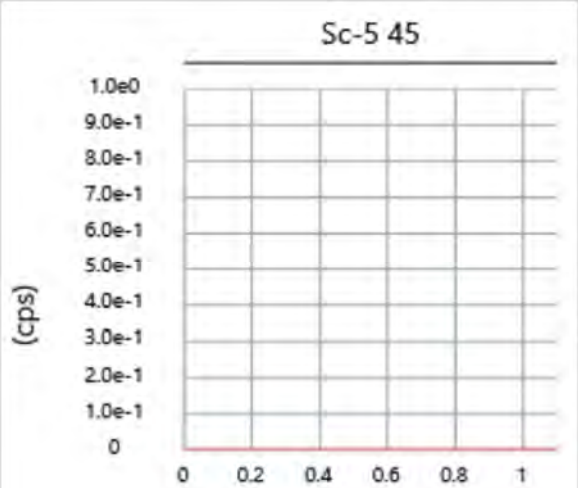
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999784
BEC : 0.011381 ug/L
DL : 0.006388 ug/L



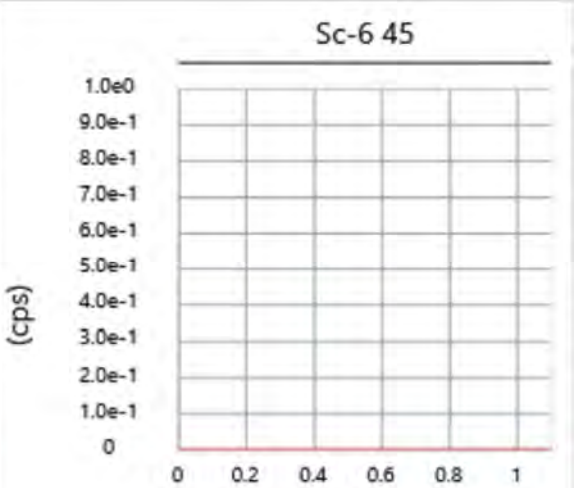
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999817
BEC : 0.011651 ug/L
DL : 0.002139 ug/L



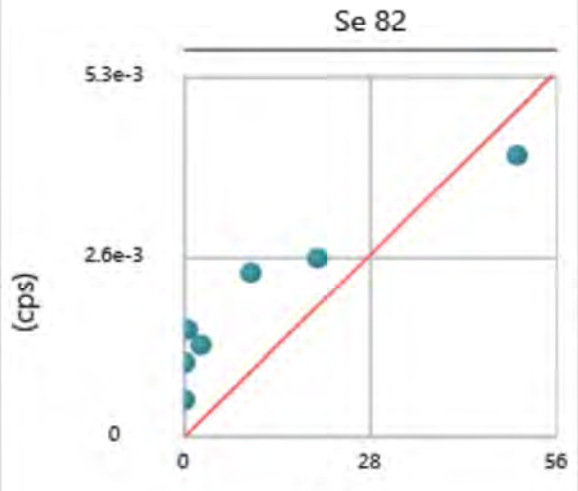
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999991
BEC : 0.007631 ug/L
DL : 0.000390 ug/L



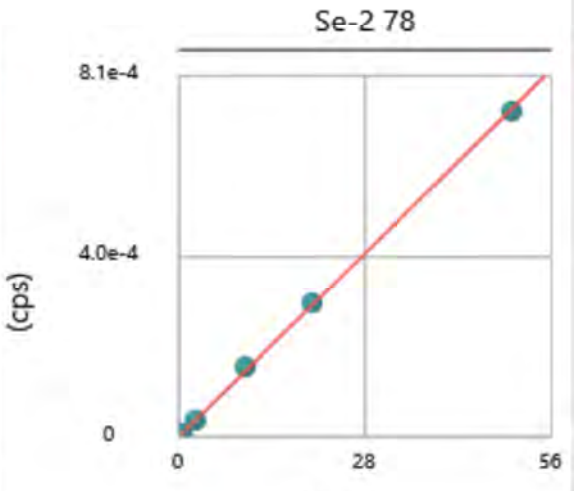
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



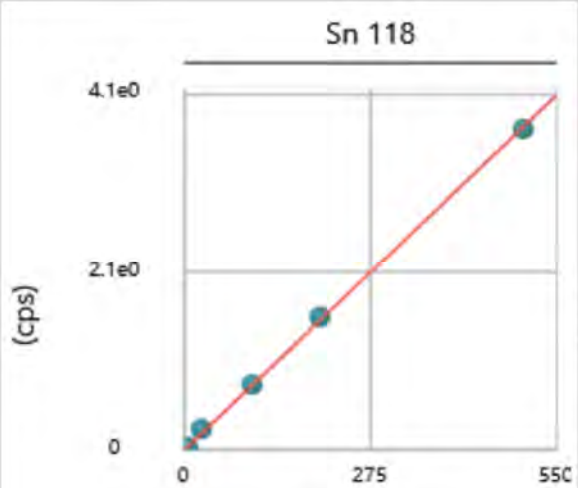
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN mg/L
DL : NaN mg/L



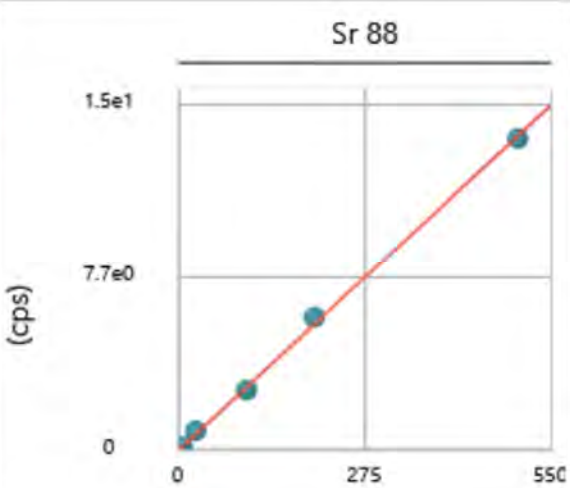
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.879370
BEC : -50.728850 ug/L
DL : 18.345749 ug/L



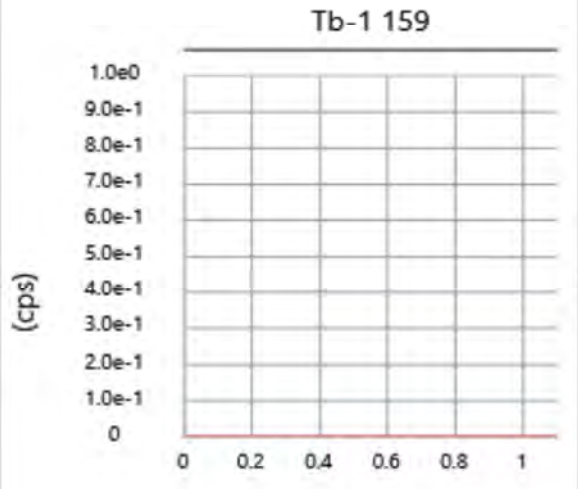
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999854
BEC : 1.912584 ug/L
DL : 1.513736 ug/L



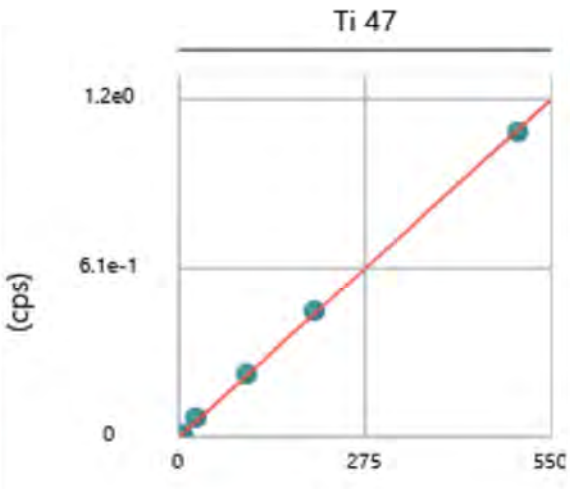
Eqn. : y = 0.008x + 0.000
Cor.Coeff. : 0.999834
BEC : 0.134645 ug/L
DL : 0.077611 ug/L



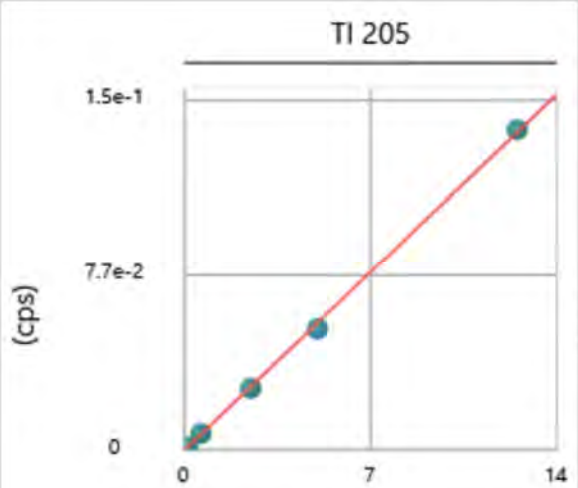
Eqn. : y = 0.028x + 0.000
Cor.Coeff. : 0.999694
BEC : 0.004240 ug/L
DL : 0.002538 ug/L



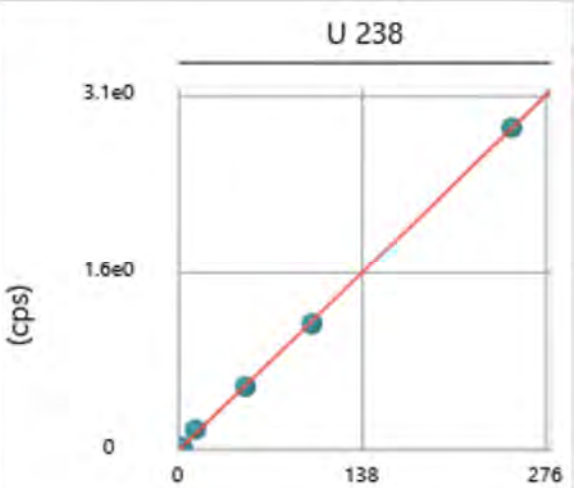
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



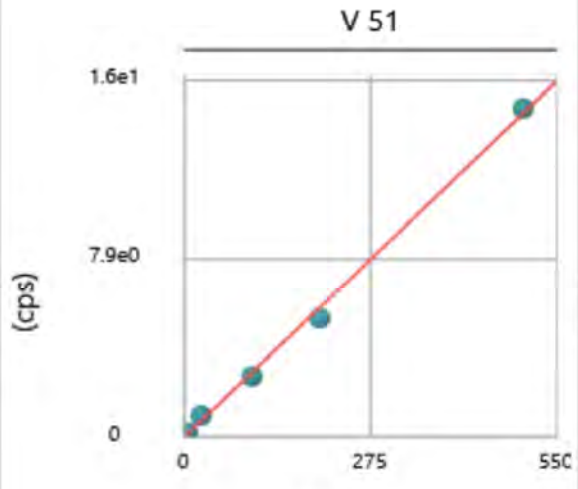
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999849
BEC : 0.678491 ug/L
DL : 0.280368 ug/L



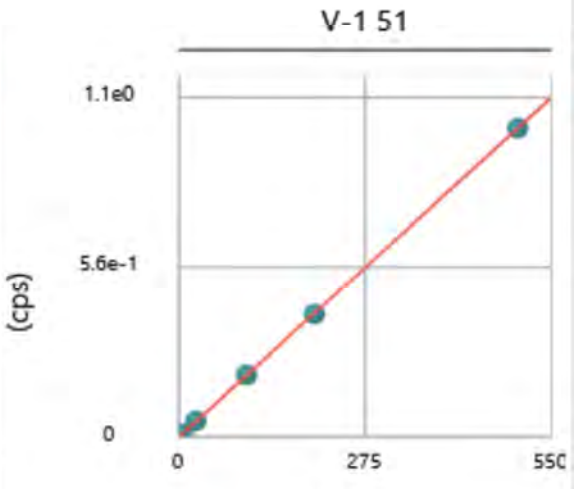
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999806
BEC : 0.000538 ug/L
DL : 0.000186 ug/L



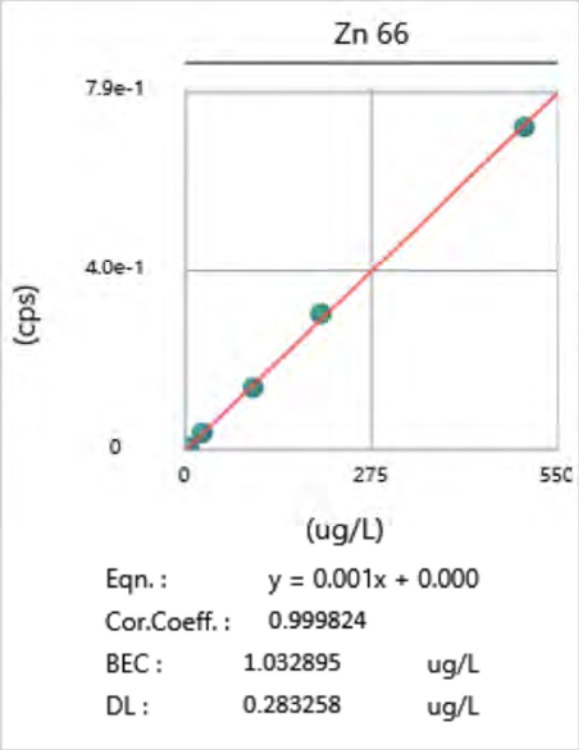
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999882
BEC : 0.000602 ug/L
DL : 0.000860 ug/L

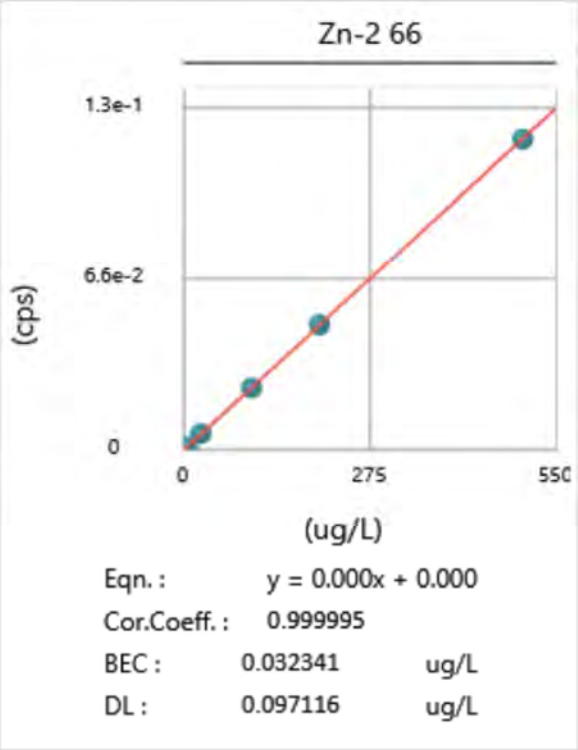


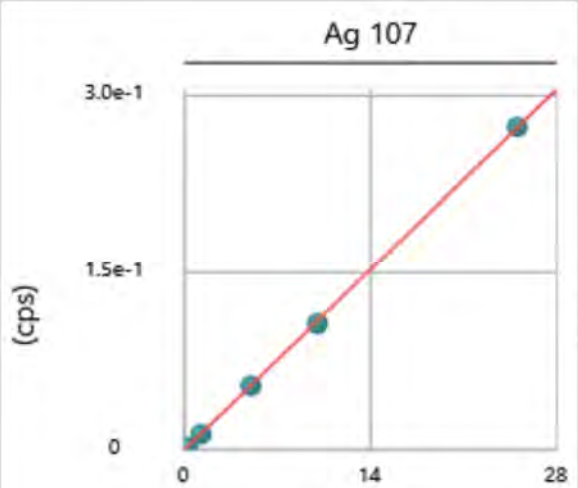
Eqn. : y = 0.029x + 0.000
Cor.Coeff. : 0.999247
BEC : 4.417007 ug/L
DL : 2.196849 ug/L



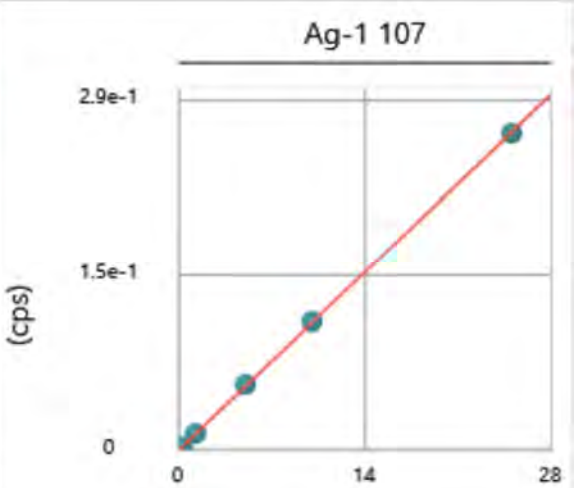
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999993
BEC : 0.043425 ug/L
DL : 0.049162 ug/L


Zn 66
7.9e-1
4.0e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999824
BEC : 1.032895 ug/L
DL : 0.283258 ug/L

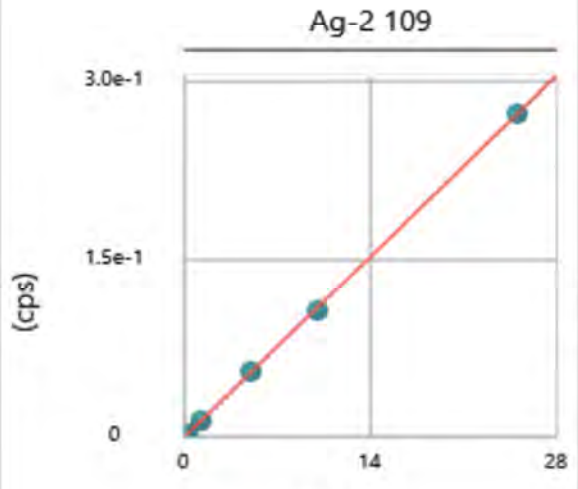

Zn-2 66
1.3e-1
6.6e-2
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999995
BEC : 0.032341 ug/L
DL : 0.097116 ug/L



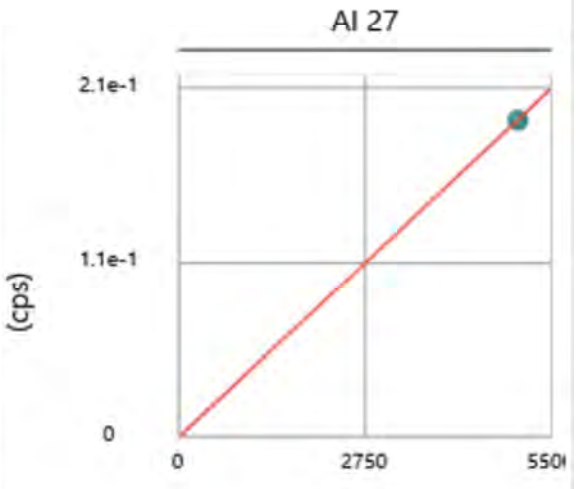
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999971
BEC : 0.014785 ug/L
DL : 0.004416 ug/L



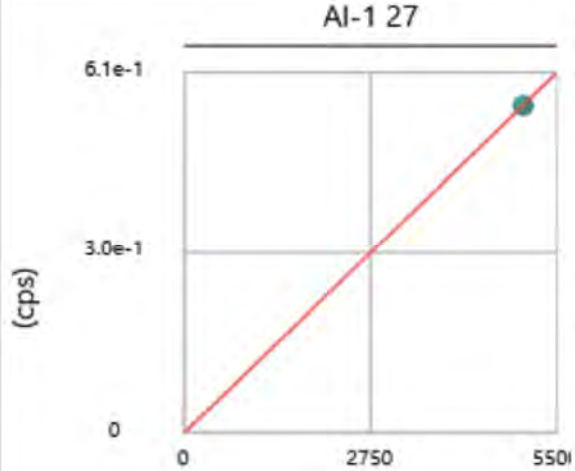
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999971
BEC : 0.013596 ug/L
DL : 0.003545 ug/L



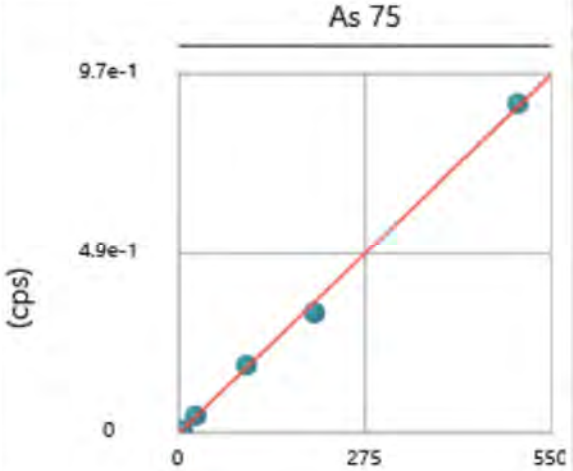
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999960
BEC : 0.012361 ug/L
DL : 0.003726 ug/L



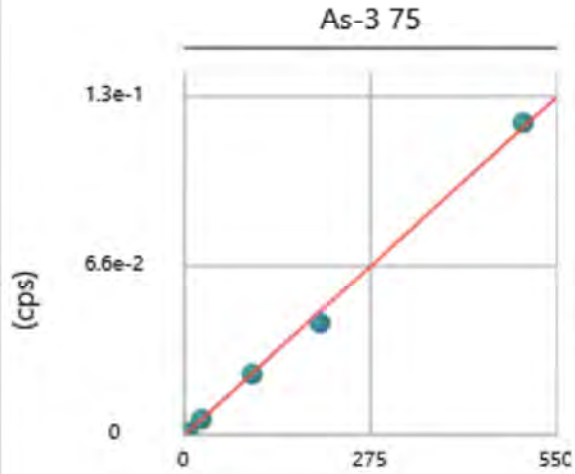
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.074675 ug/L
DL : 0.265749 ug/L



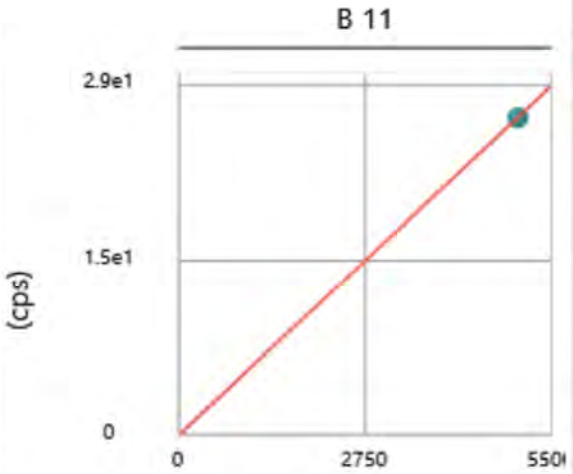
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.062486 mg/L
DL : 0.324687 mg/L



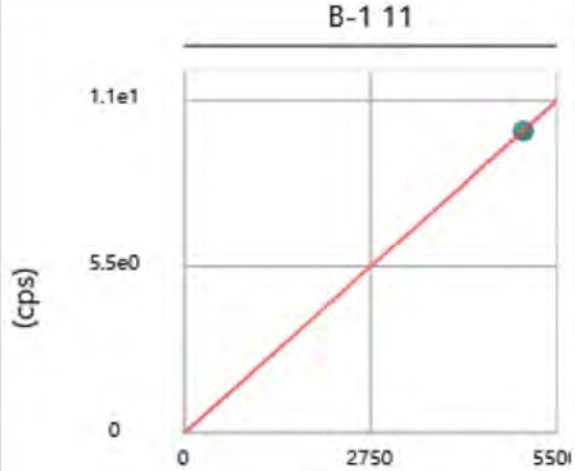
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999512
BEC : -0.363072 ug/L
DL : 0.911056 ug/L



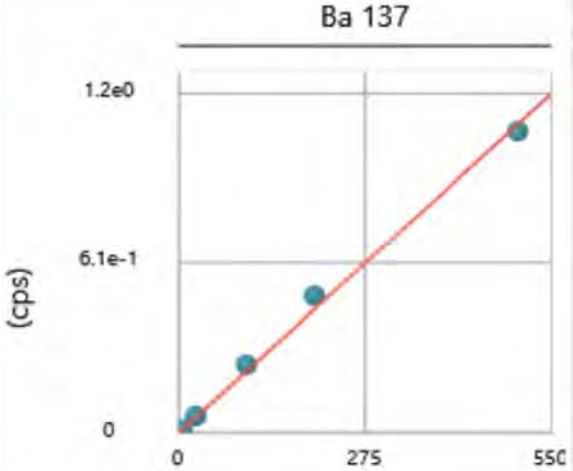
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999341
BEC : 0.069842 ug/L
DL : 0.072775 ug/L



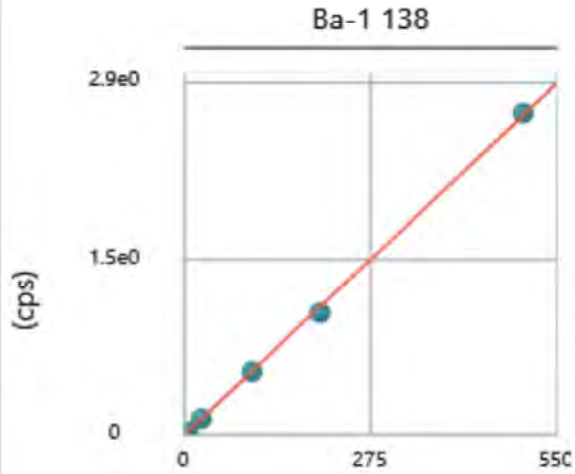
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.110778 ug/L
DL : 0.053154 ug/L



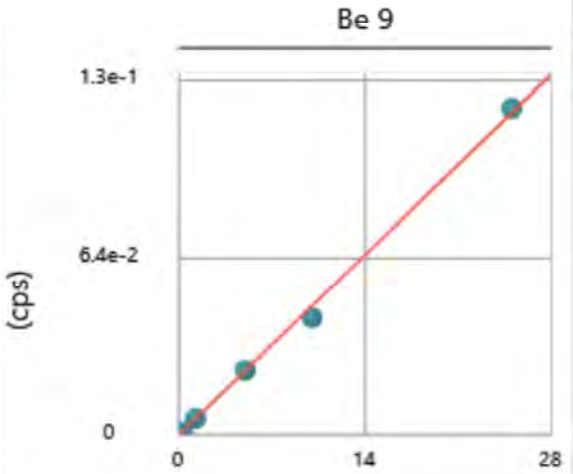
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.115052 ug/L
DL : 0.344068 ug/L



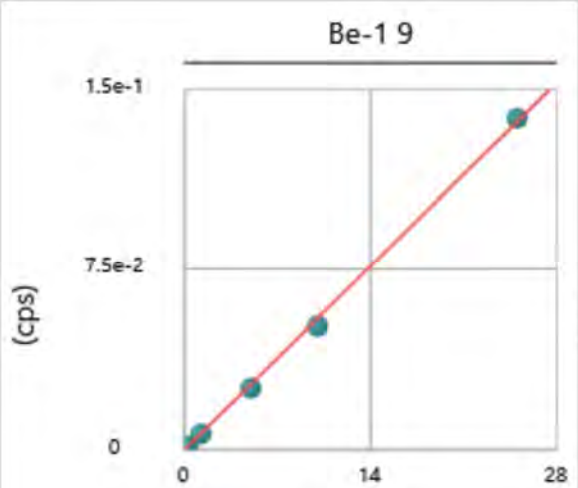
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.998811
BEC : 0.028014 ug/L
DL : 0.007913 ug/L



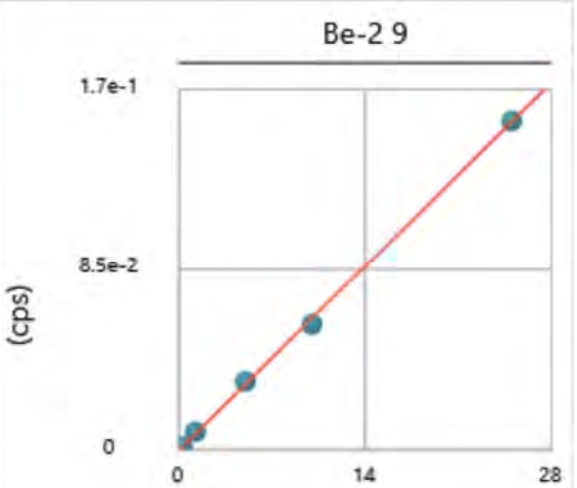
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999840
BEC : 0.022452 mg/L
DL : 0.032388 mg/L



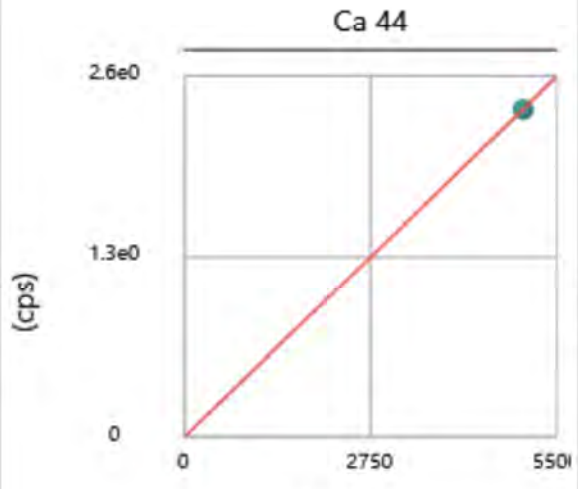
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999355
BEC : 0.000255 ug/L
DL : 0.000252 ug/L



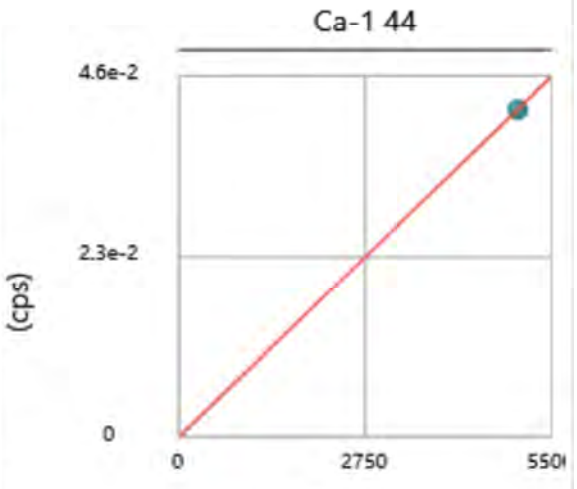
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999674
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



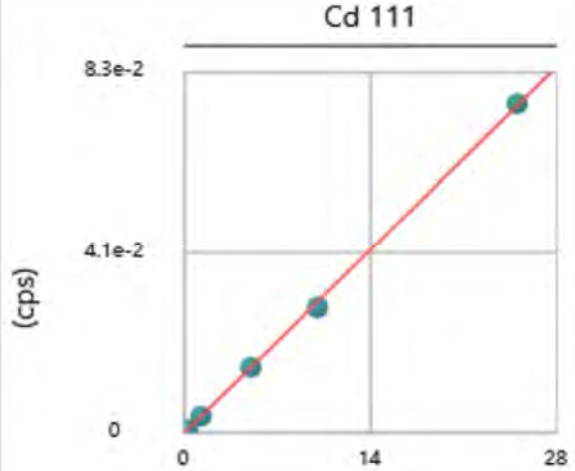
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999821
BEC : 0.000267 ug/L
DL : 0.000296 ug/L



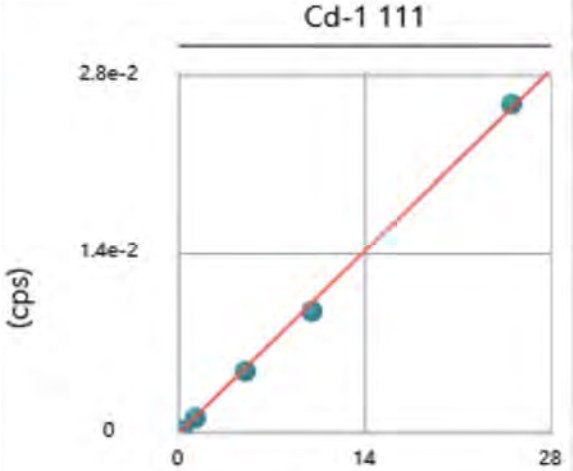
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 27.120958 ug/L
DL : 4.551966 ug/L



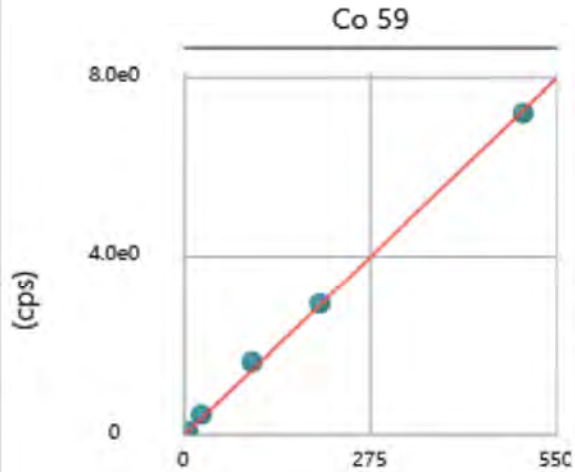
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 2.807984 mg/L
DL : 1.321043 mg/L



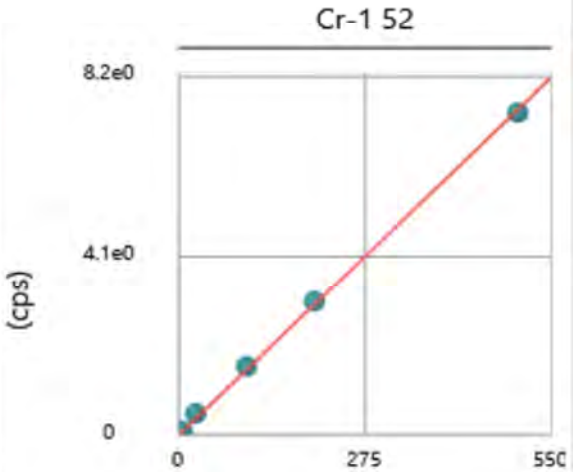
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999868
BEC : 0.001845 ug/L
DL : 0.002840 ug/L



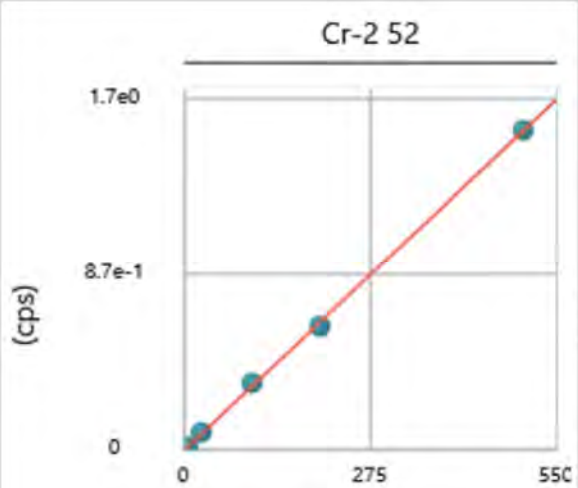
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999619
BEC : 0.020924 mg/L
DL : 0.024460 mg/L



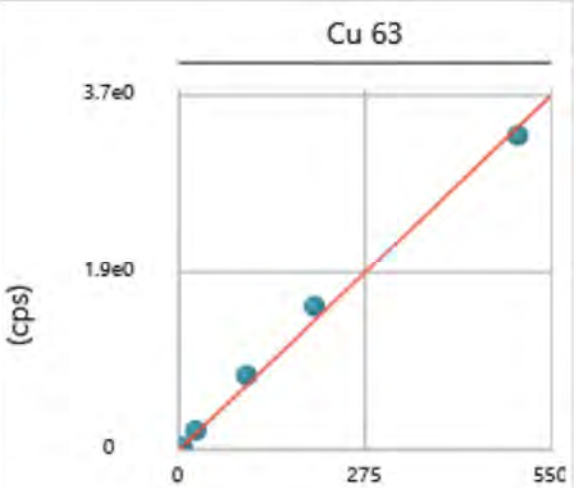
Eqn. : y = 0.015x + 0.000
Cor.Coeff. : 0.999611
BEC : 0.004052 ug/L
DL : 0.001828 ug/L



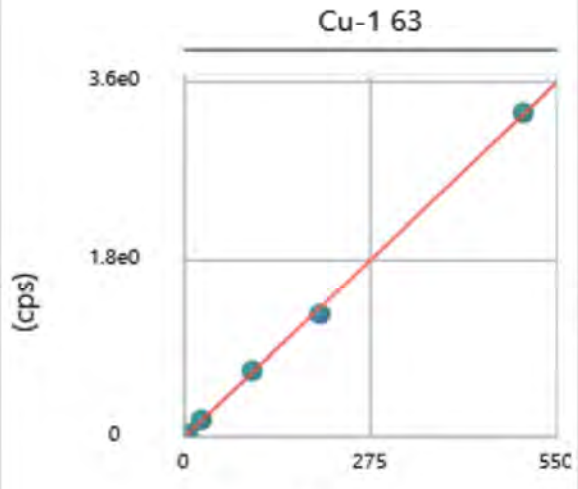
Eqn. : y = 0.015x + 0.000
Cor.Coeff. : 0.999738
BEC : 1.776430 ug/L
DL : 0.108455 ug/L



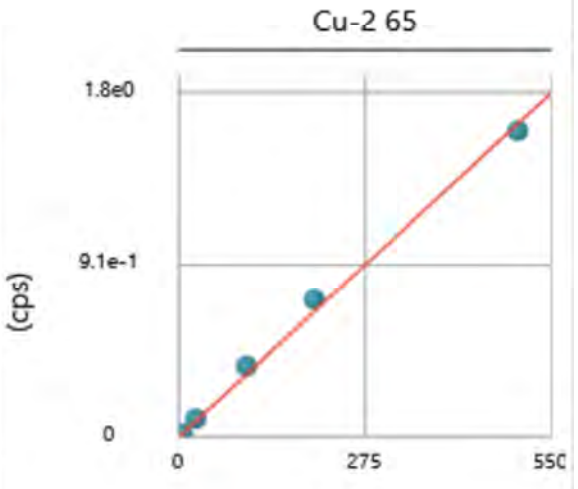
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999874
BEC : 0.038691 ug/L
DL : 0.016486 ug/L



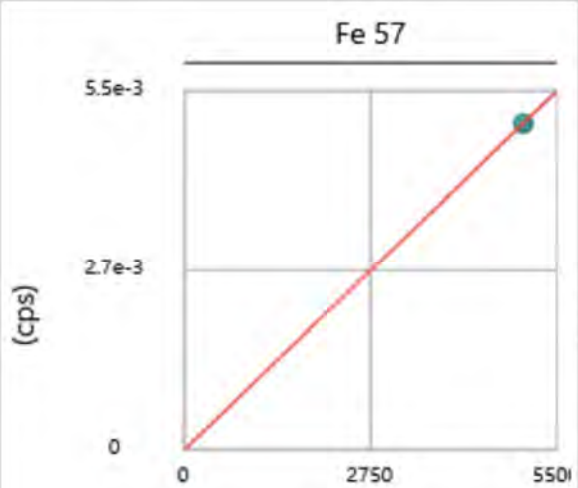
Eqn. : y = 0.007x + 0.000
Cor.Coeff. : 0.998453
BEC : 0.511305 ug/L
DL : 0.062499 ug/L



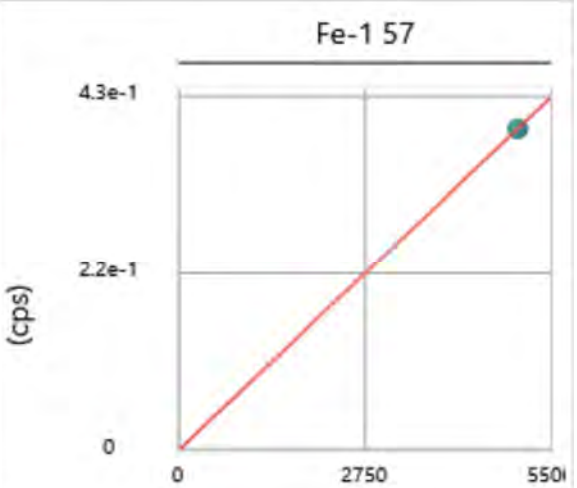
Eqn. : y = 0.007x + 0.000
Cor.Coeff. : 0.999808
BEC : 0.019678 ug/L
DL : 0.008919 ug/L



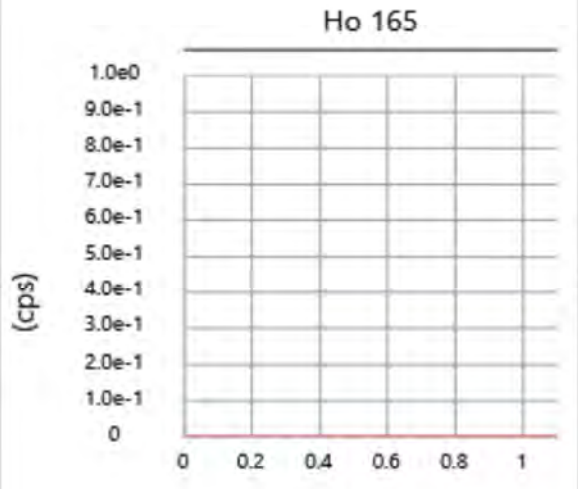
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.998868
BEC : 0.029592 ug/L
DL : 0.018415 ug/L



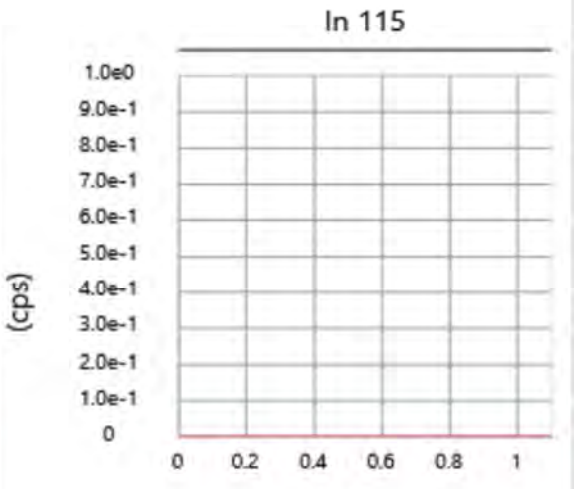
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 33.062605 ug/L
DL : 12.787947 ug/L



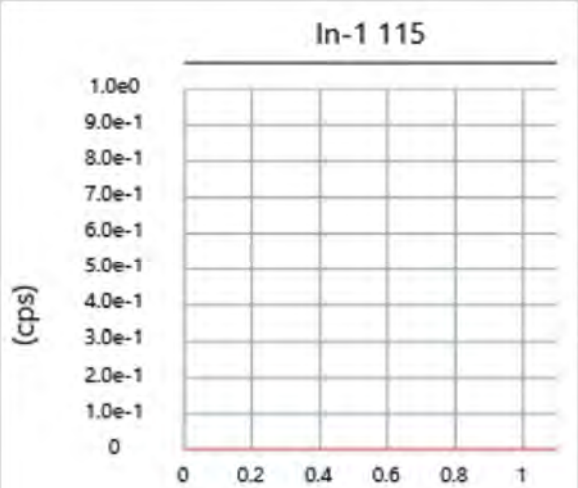
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.401950 ug/L
DL : 0.686558 ug/L



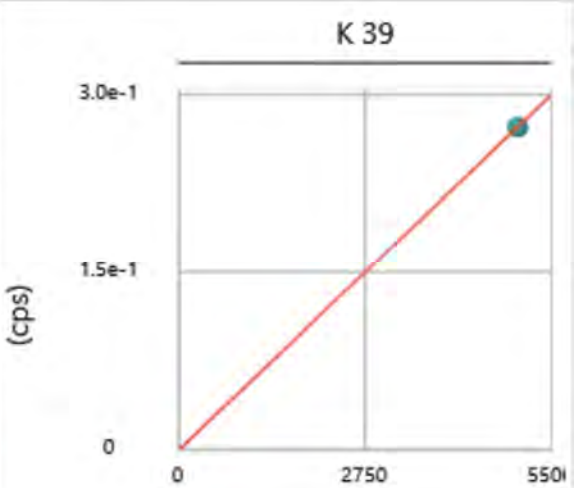
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



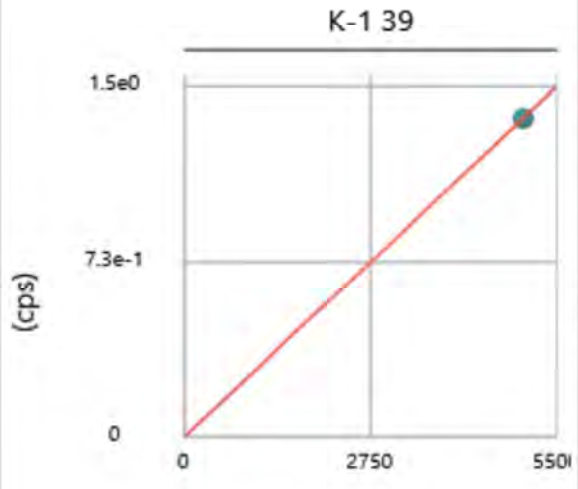
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



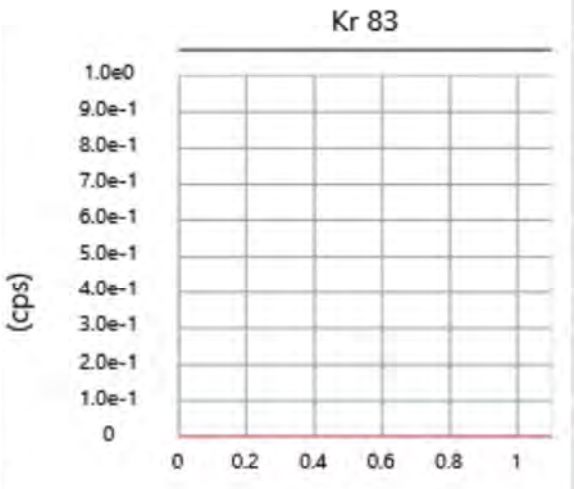
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



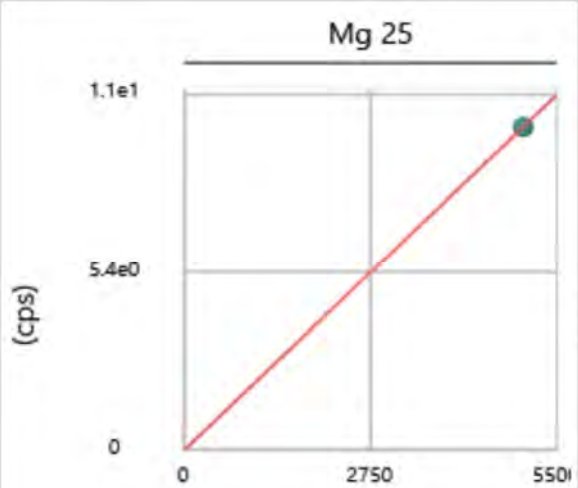
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 47.599735 ug/L
DL : 13.144157 ug/L



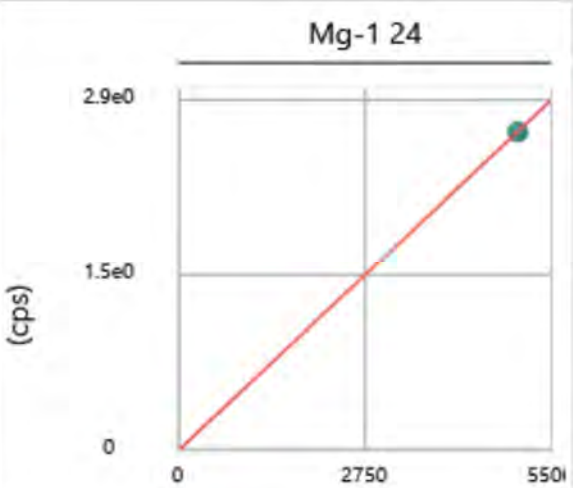
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 69.560837 mg/L
DL : 3.411665 mg/L



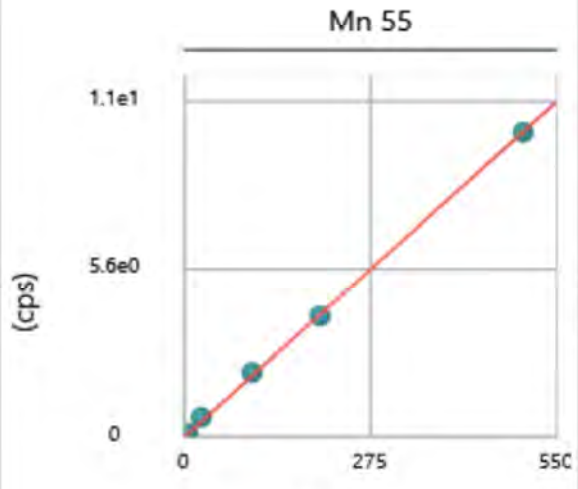
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



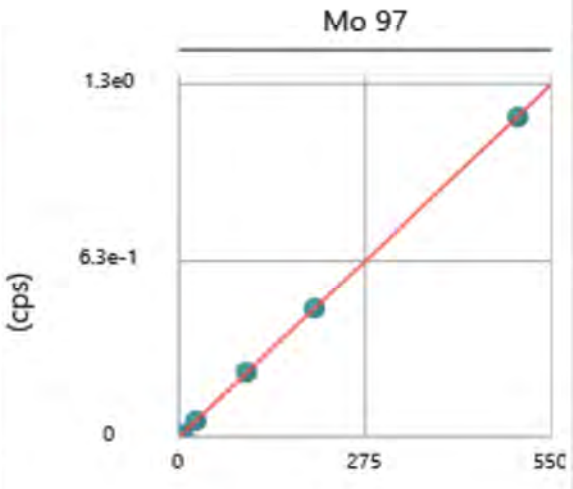
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.067278 ug/L
DL : 0.039179 ug/L



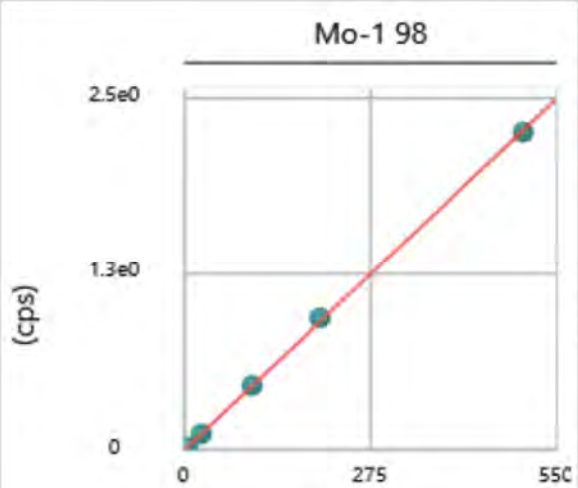
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.053627 mg/L
DL : 0.094236 mg/L



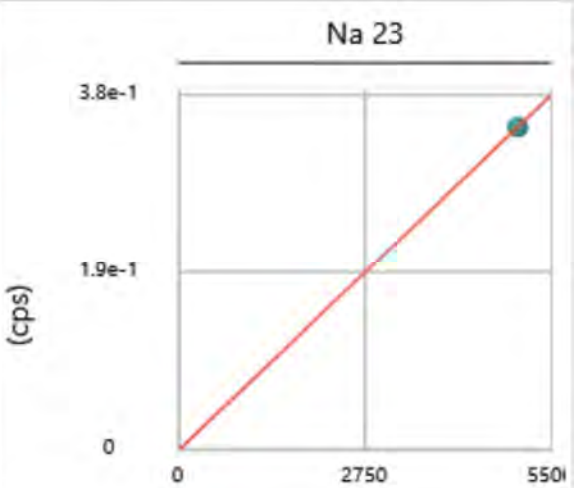
Eqn. : y = 0.020x + 0.000
Cor.Coeff. : 0.999834
BEC : 0.067438 ug/L
DL : 0.025404 ug/L



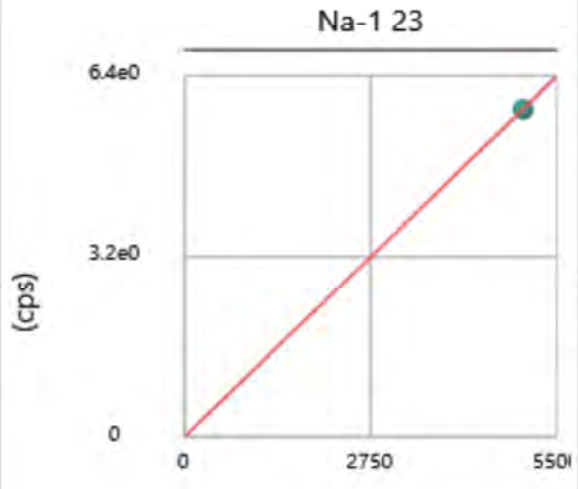
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999995
BEC : 0.038559 ug/L
DL : 0.014188 ug/L



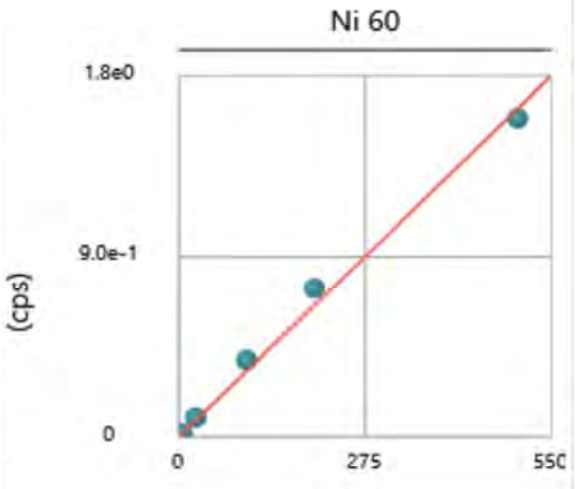
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999921
BEC : 0.016692 ug/L
DL : 0.017539 ug/L



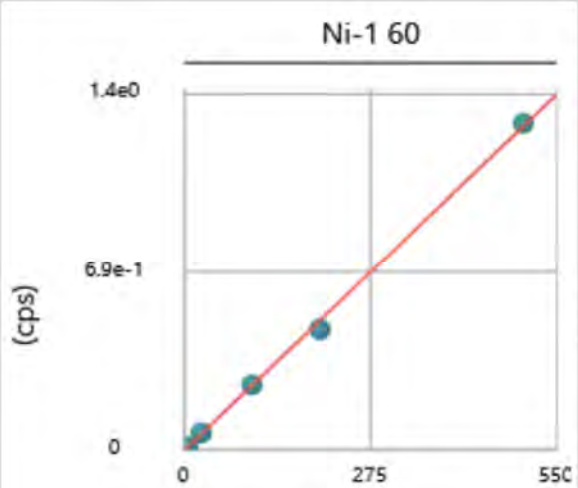
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 9.113294 ug/L
DL : 1.286223 ug/L



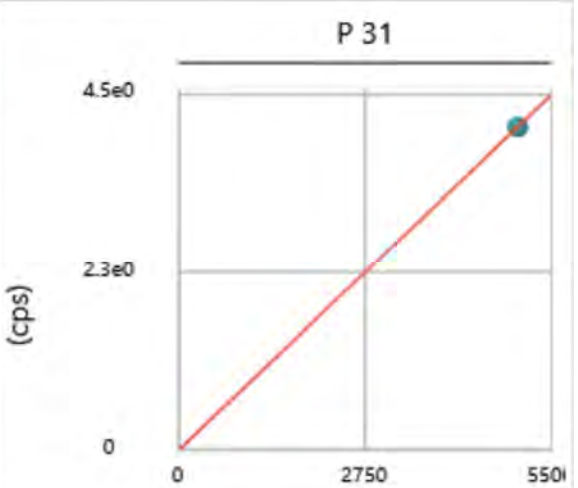
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 5.089298 mg/L
DL : 0.621714 mg/L



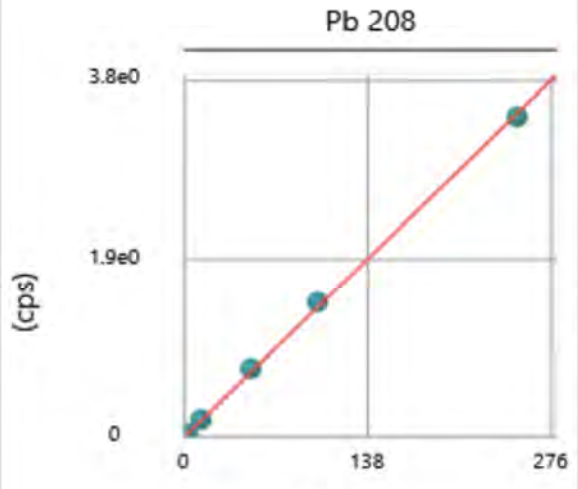
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.997932
BEC : 0.033307 ug/L
DL : 0.017926 ug/L



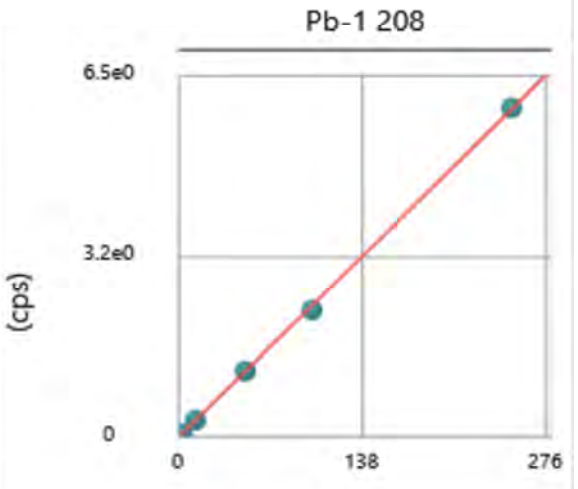
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999650
BEC : 0.029999 ug/L
DL : 0.035896 ug/L



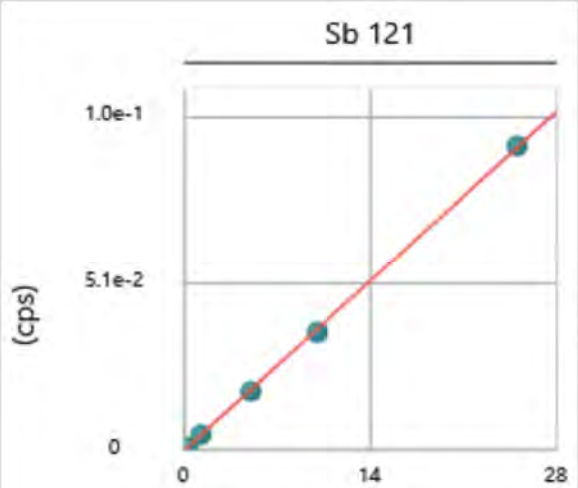
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 28.361637 ug/L
DL : 7.087409 ug/L



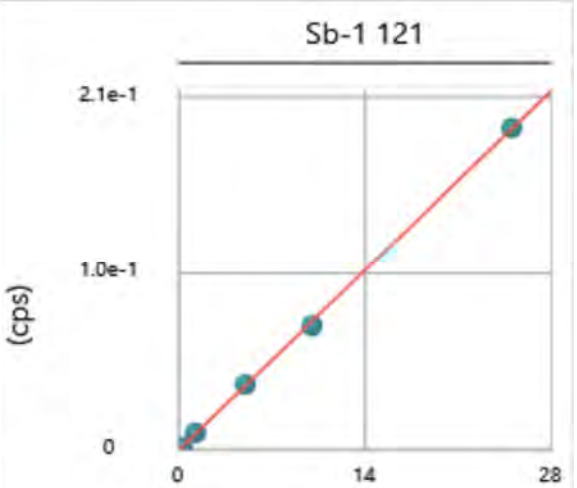
Eqn. : y = 0.014x + 0.000
Cor.Coeff. : 0.999765
BEC : 0.010727 ug/L
DL : 0.002495 ug/L



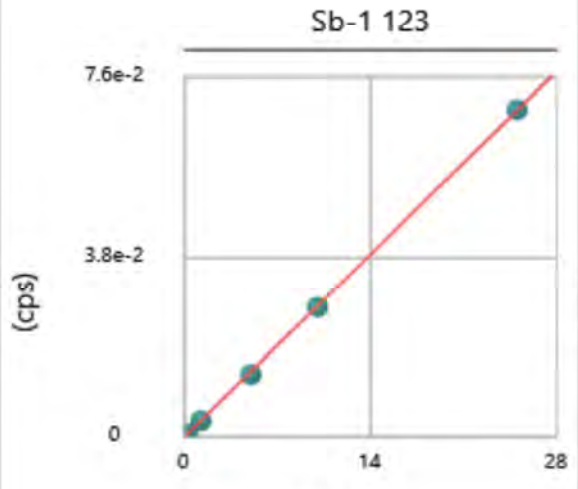
Eqn. : y = 0.024x + 0.000
Cor.Coeff. : 0.999909
BEC : 0.013191 ug/L
DL : 0.001780 ug/L



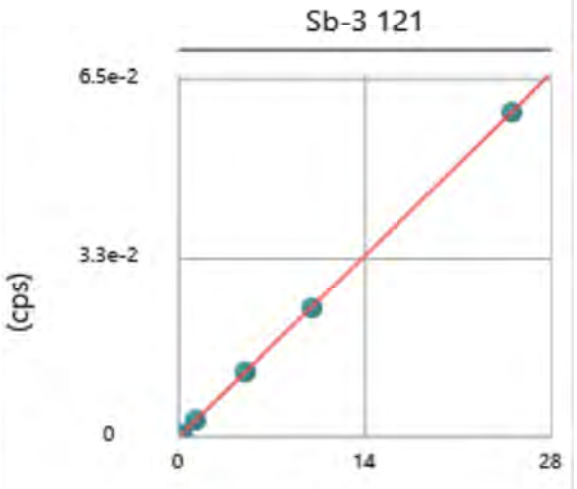
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999920
BEC : 0.011724 ug/L
DL : 0.002461 ug/L



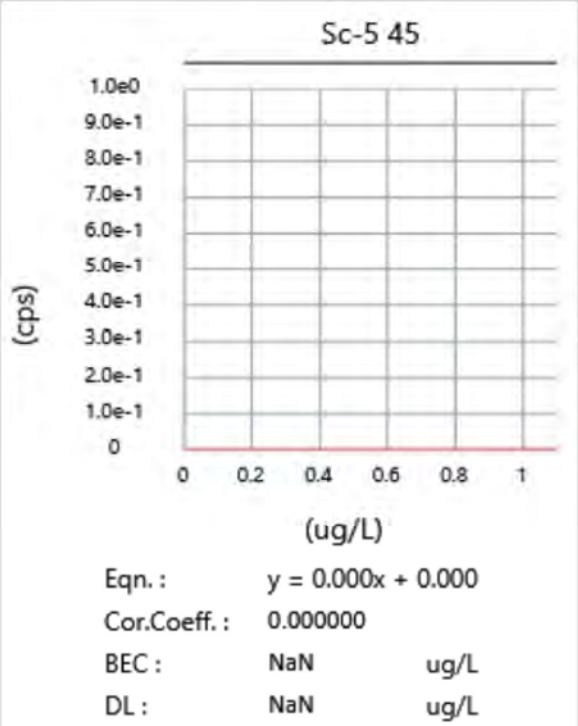
Eqn. : y = 0.007x + 0.000
Cor.Coeff. : 0.999908
BEC : 0.011434 ug/L
DL : 0.002028 ug/L



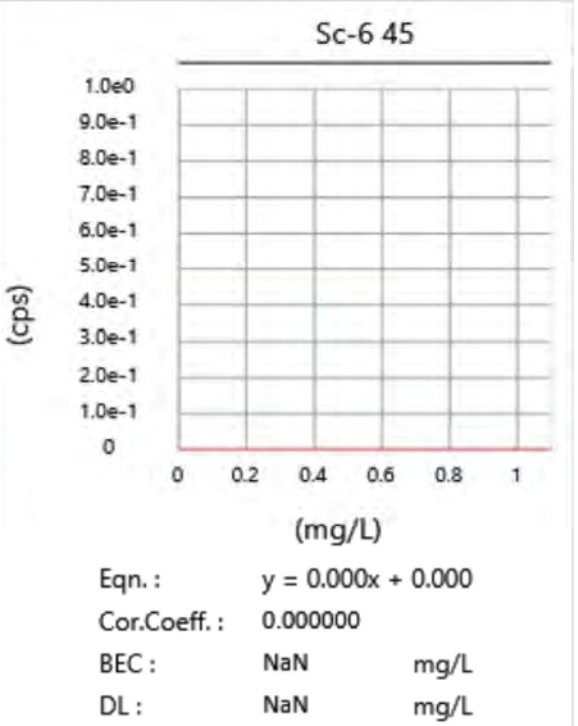
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999960
BEC : 0.011776 ug/L
DL : 0.006125 ug/L



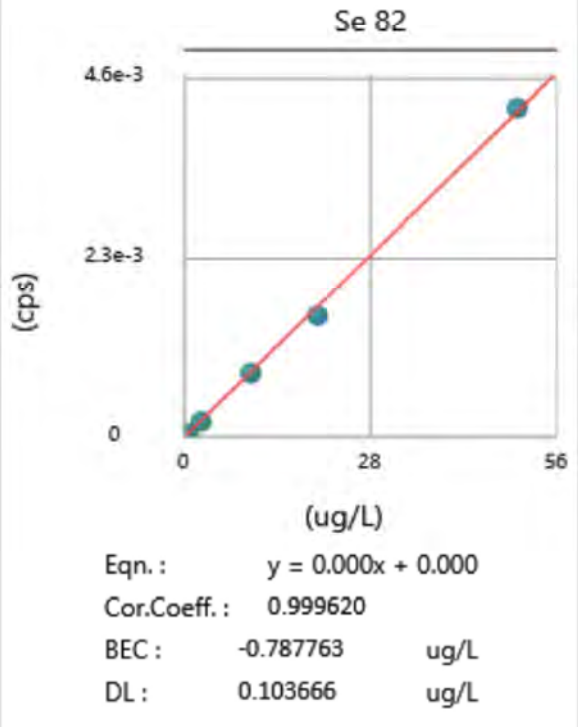
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999992
BEC : 0.013395 ug/L
DL : 0.000942 ug/L



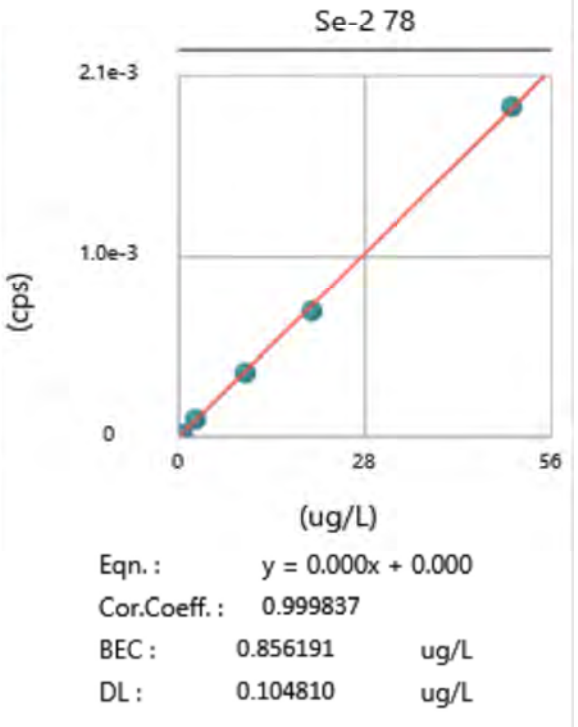
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



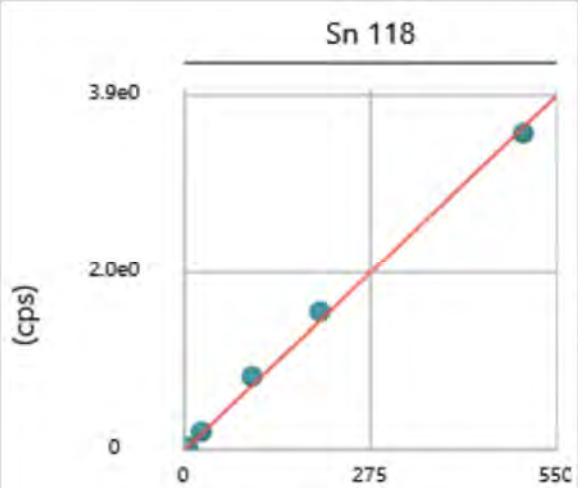
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN mg/L
DL : NaN mg/L



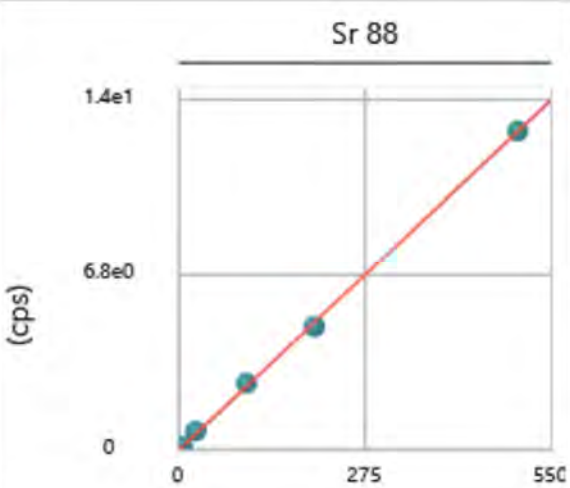
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999620
BEC : -0.787763 ug/L
DL : 0.103666 ug/L



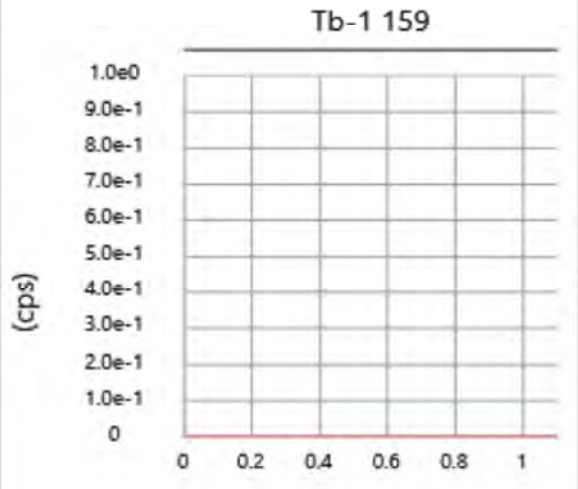
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999837
BEC : 0.856191 ug/L
DL : 0.104810 ug/L



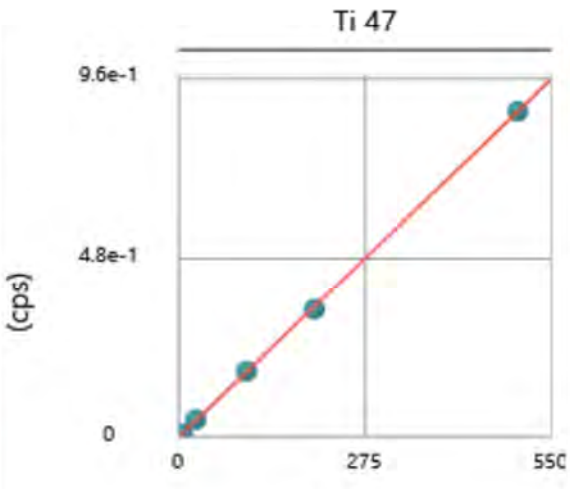
Eqn. : y = 0.007x + 0.000
Cor.Coeff. : 0.999192
BEC : 0.183005 ug/L
DL : 0.029779 ug/L



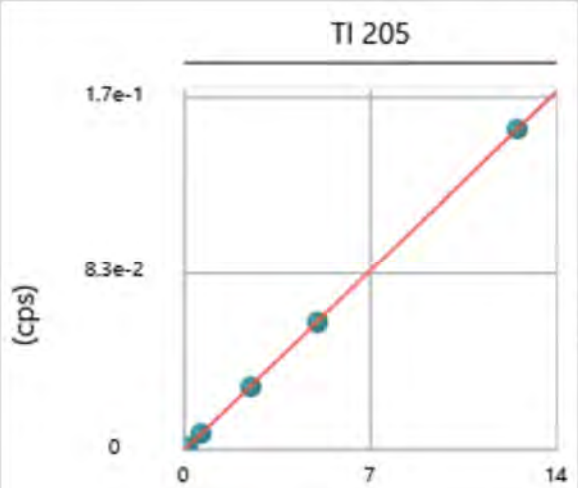
Eqn. : y = 0.025x + 0.000
Cor.Coeff. : 0.999841
BEC : 0.003622 ug/L
DL : 0.001447 ug/L



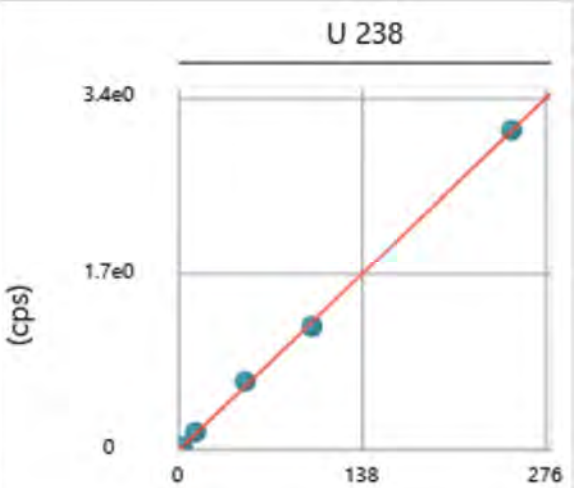
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



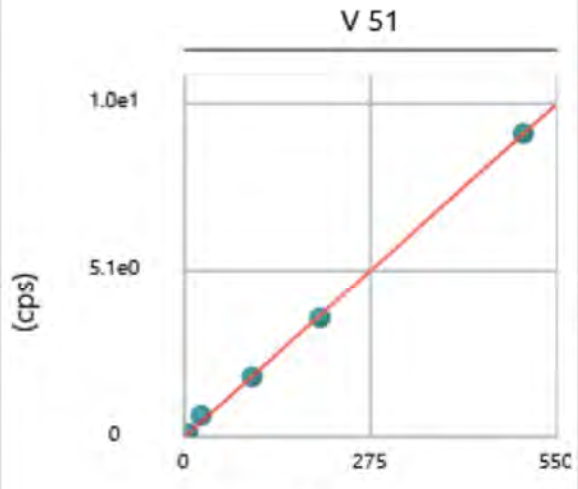
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999966
BEC : 0.068382 ug/L
DL : 0.013966 ug/L



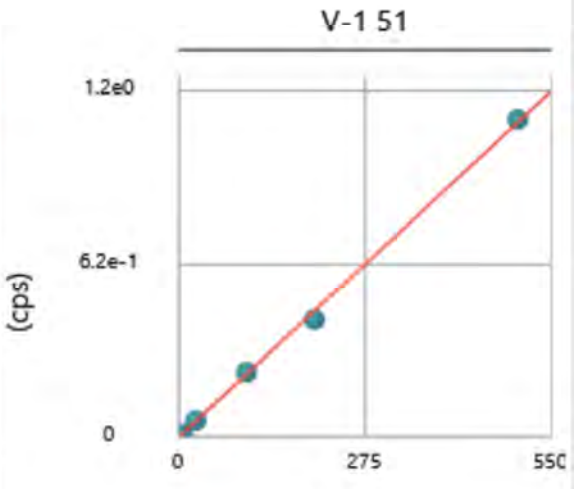
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999994
BEC : 0.000839 ug/L
DL : 0.000725 ug/L



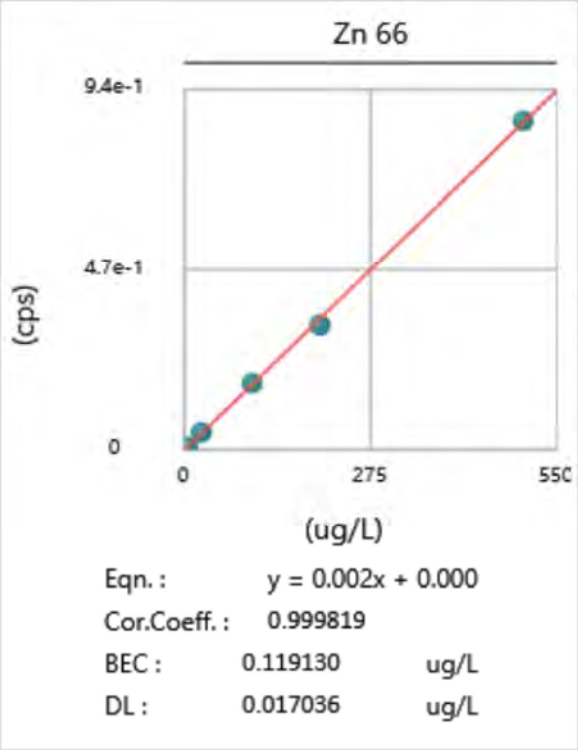
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999815
BEC : 0.000080 ug/L
DL : 0.000209 ug/L

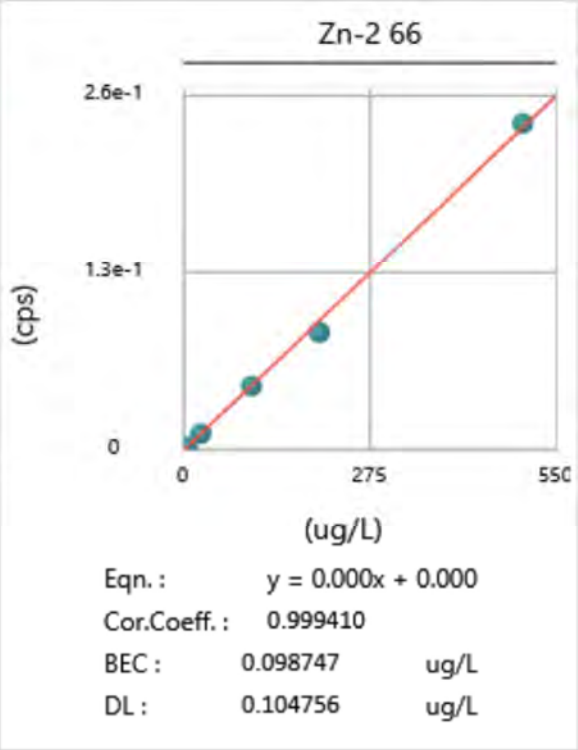


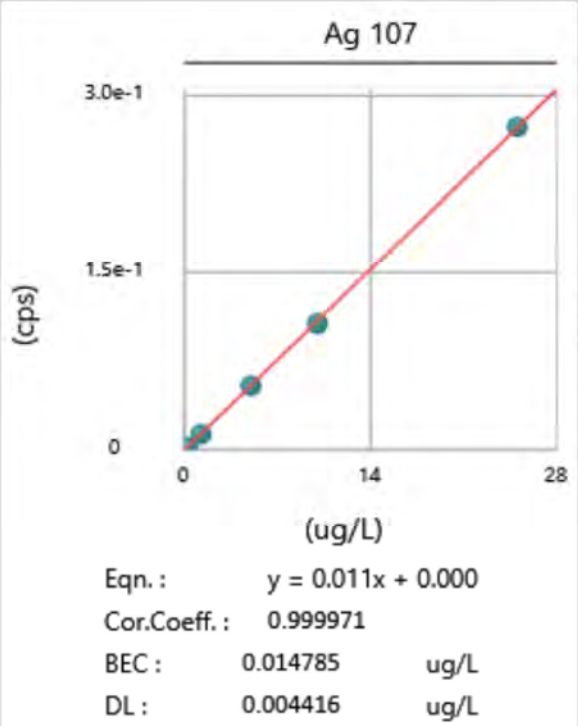
Eqn. : y = 0.018x + 0.000
Cor.Coeff. : 0.999763
BEC : 24.877591 ug/L
DL : 0.588855 ug/L



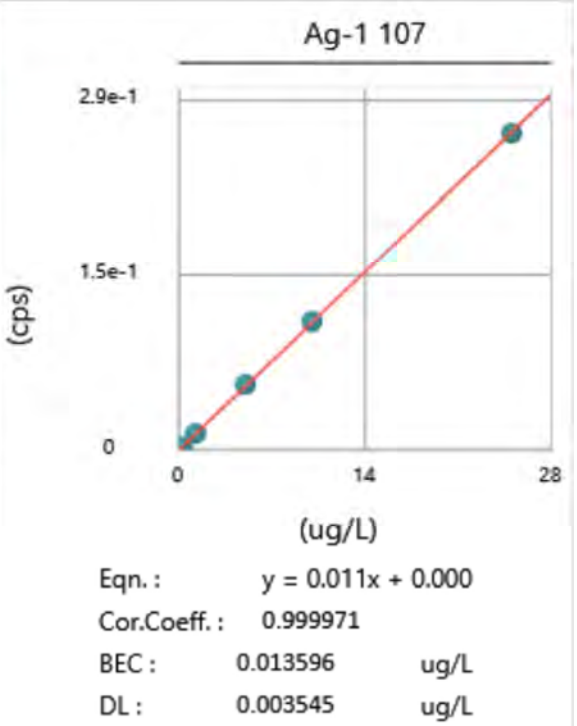
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999616
BEC : 0.183735 ug/L
DL : 0.085802 ug/L


Zn 66
9.4e-1
4.7e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999819
BEC : 0.119130 ug/L
DL : 0.017036 ug/L

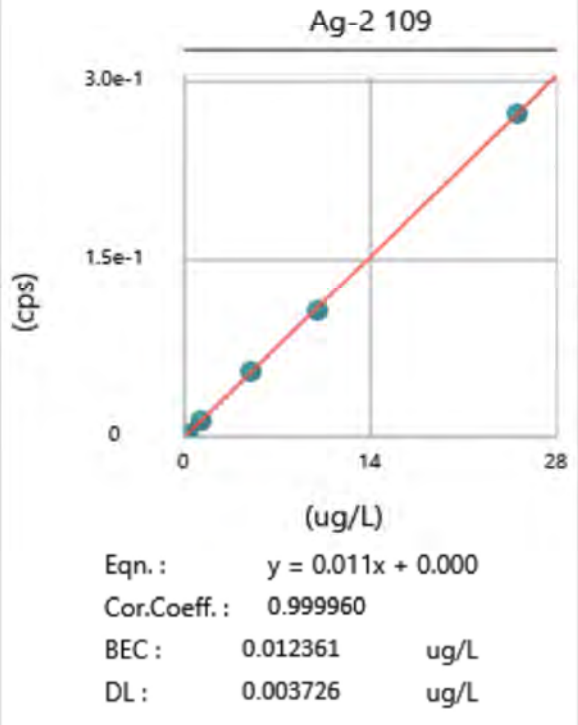

Zn-2 66
2.6e-1
1.3e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999410
BEC : 0.098747 ug/L
DL : 0.104756 ug/L



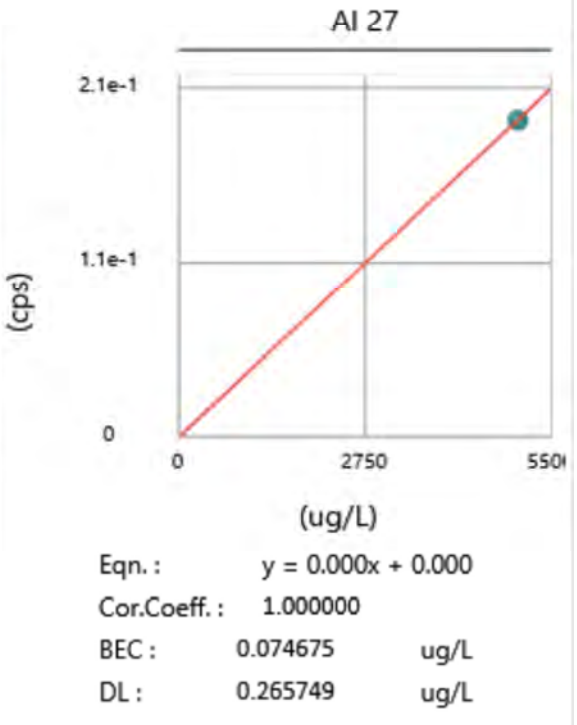
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999971
BEC : 0.014785 ug/L
DL : 0.004416 ug/L



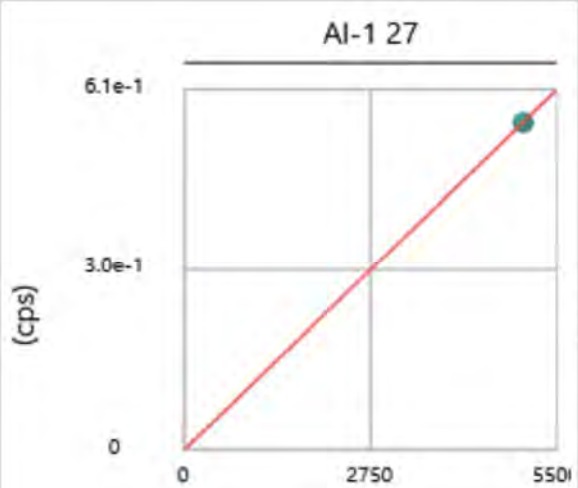
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999971
BEC : 0.013596 ug/L
DL : 0.003545 ug/L



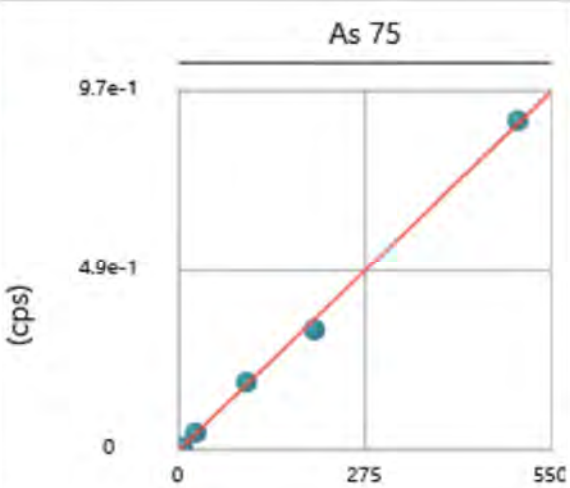
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999960
BEC : 0.012361 ug/L
DL : 0.003726 ug/L



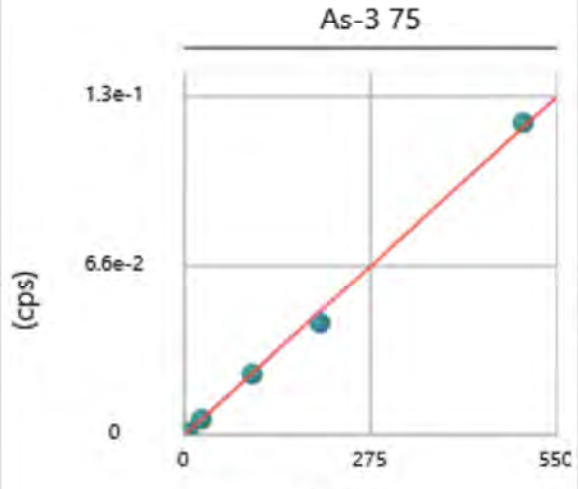
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.074675 ug/L
DL : 0.265749 ug/L



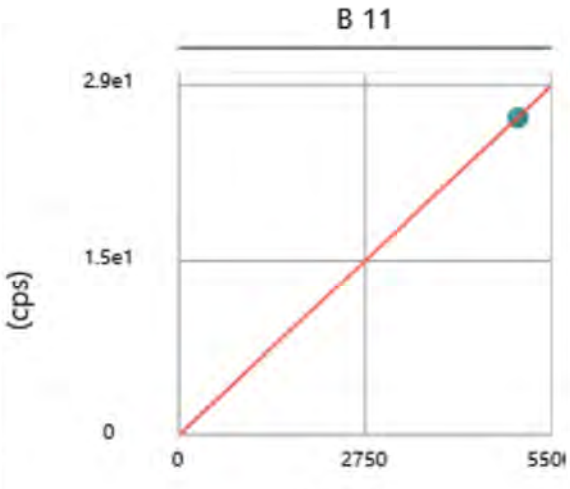
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.062486 mg/L
DL : 0.324687 mg/L



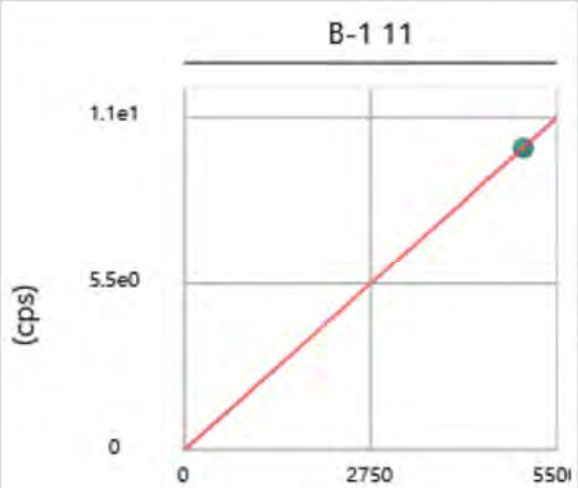
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999512
BEC : -0.363072 ug/L
DL : 0.911056 ug/L



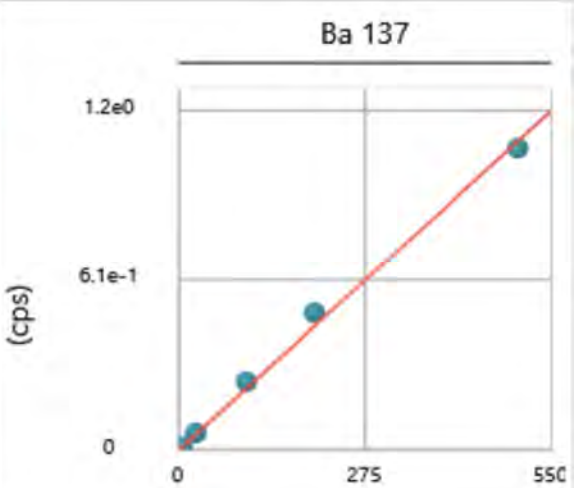
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999341
BEC : 0.069842 ug/L
DL : 0.072775 ug/L



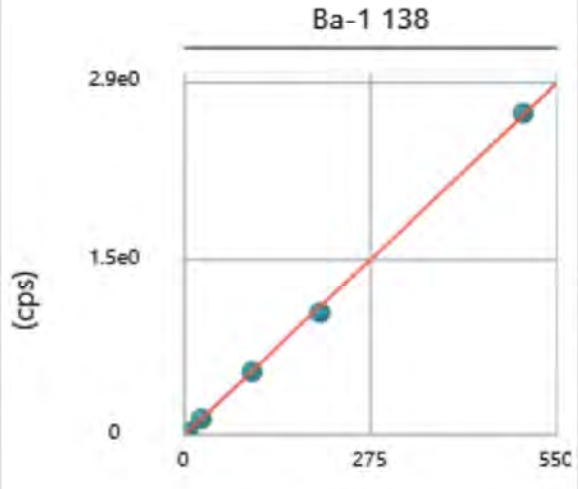
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.110778 ug/L
DL : 0.053154 ug/L



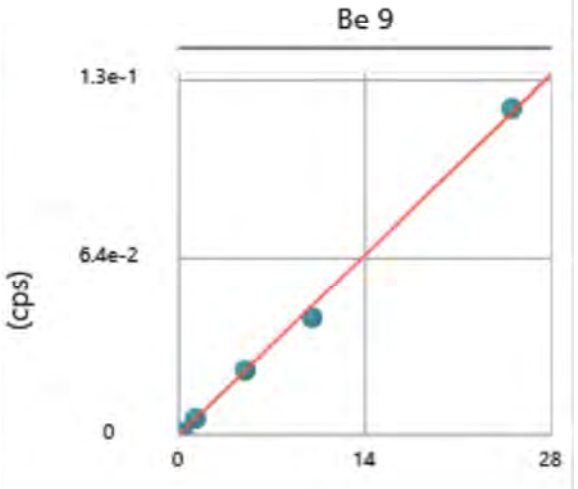
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.115052 ug/L
DL : 0.344068 ug/L



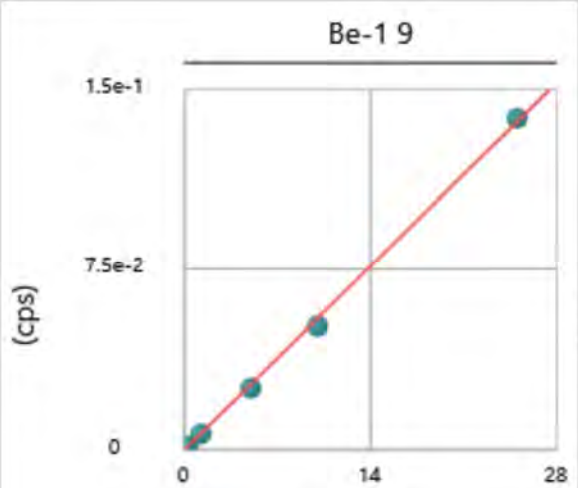
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.998811
BEC : 0.028014 ug/L
DL : 0.007913 ug/L



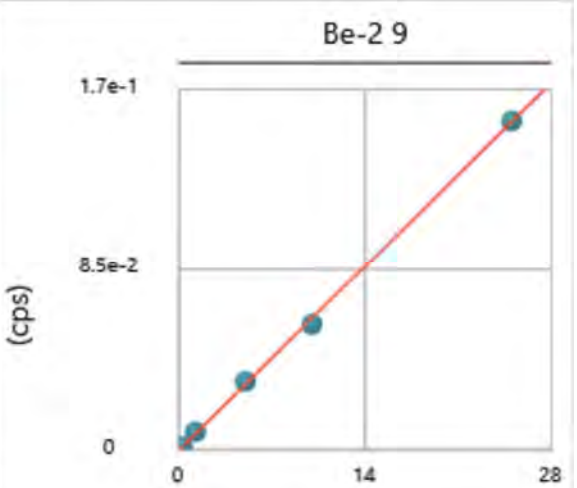
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999840
BEC : 0.022452 mg/L
DL : 0.032388 mg/L



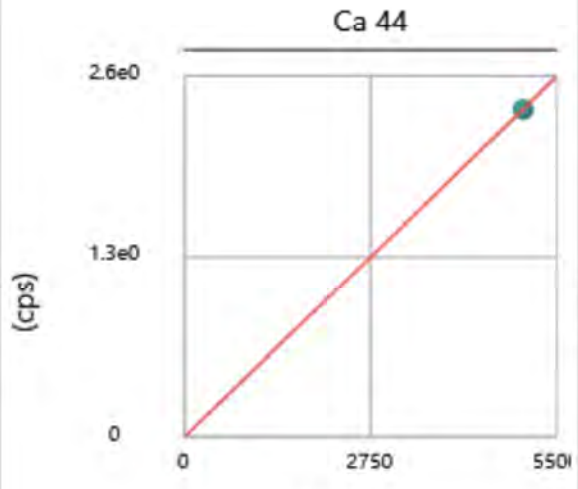
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999355
BEC : 0.000255 ug/L
DL : 0.000252 ug/L



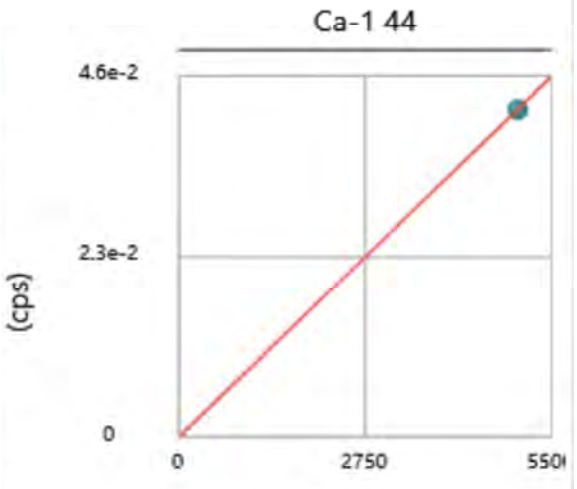
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999674
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



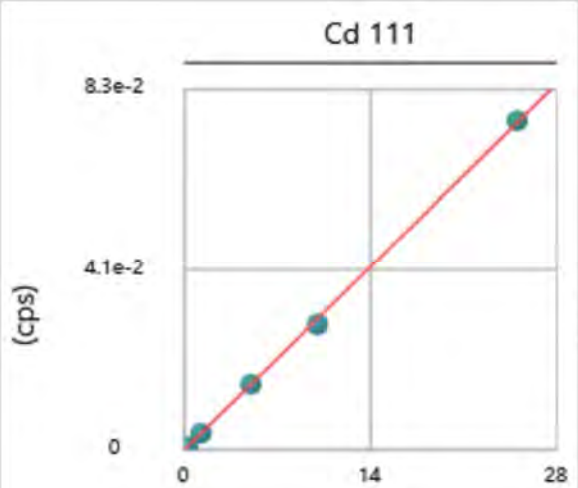
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999821
BEC : 0.000267 ug/L
DL : 0.000296 ug/L



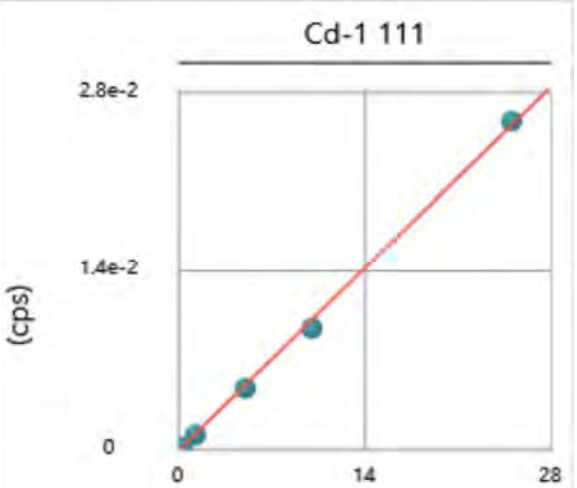
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 27.120958 ug/L
DL : 4.551966 ug/L



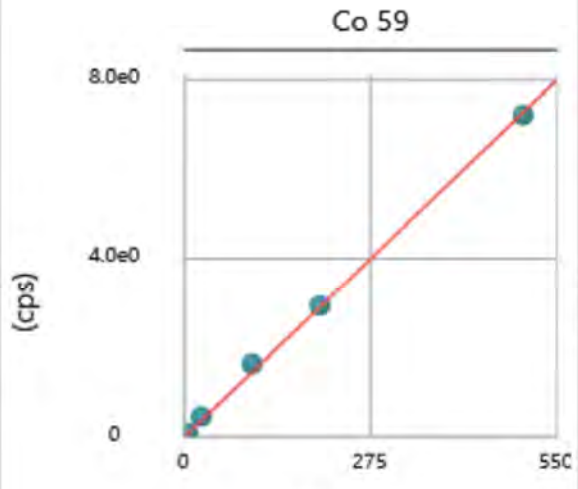
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 2.807984 mg/L
DL : 1.321043 mg/L



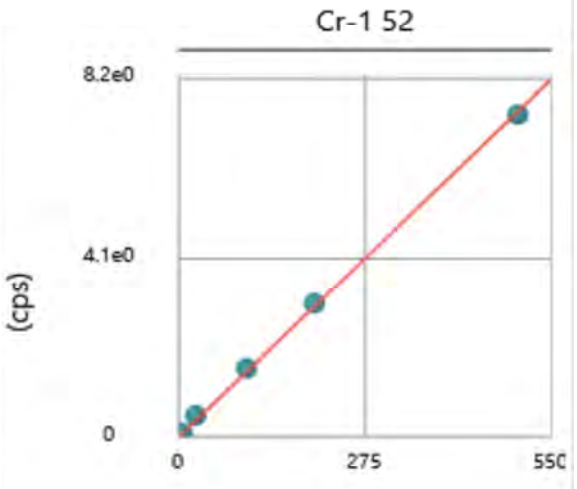
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999868
BEC : 0.001845 ug/L
DL : 0.002840 ug/L



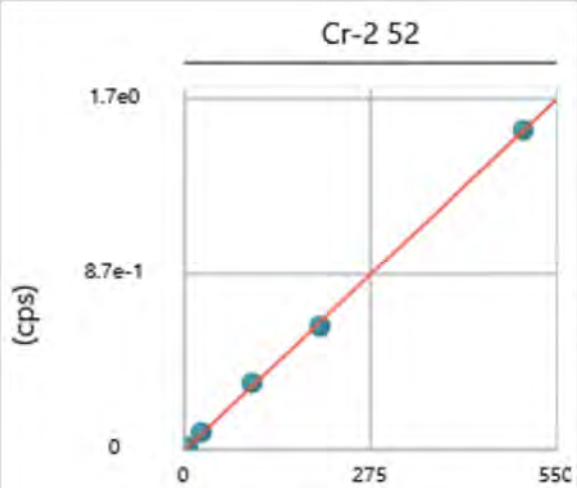
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999619
BEC : 0.020924 mg/L
DL : 0.024460 mg/L



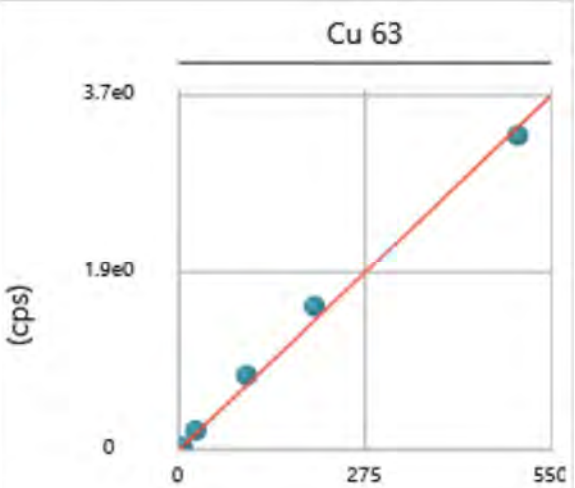
Eqn. : y = 0.015x + 0.000
Cor.Coeff. : 0.999611
BEC : 0.004052 ug/L
DL : 0.001828 ug/L



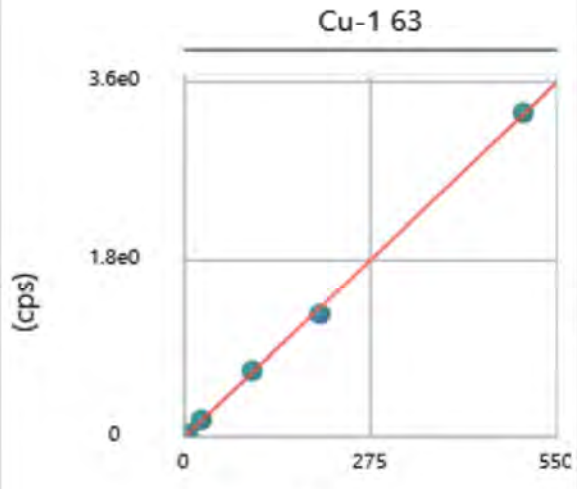
Eqn. : y = 0.015x + 0.000
Cor.Coeff. : 0.999738
BEC : 1.776430 ug/L
DL : 0.108455 ug/L



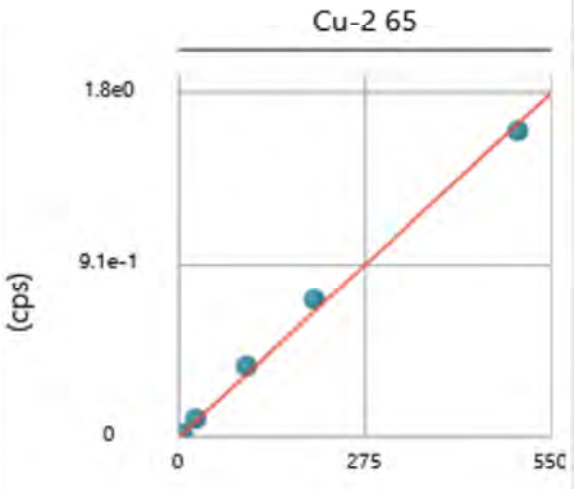
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999874
BEC : 0.038691 ug/L
DL : 0.016486 ug/L



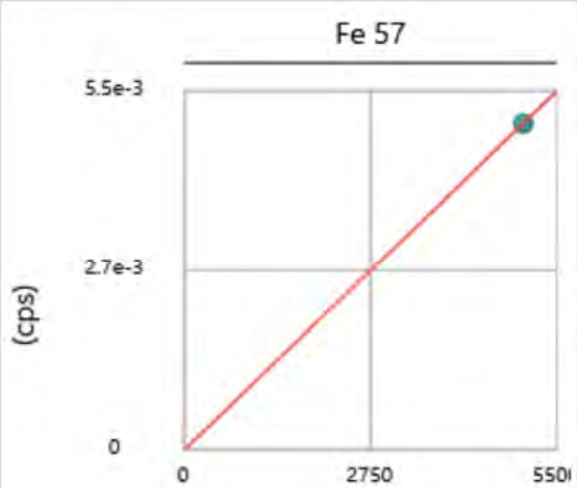
Eqn. : y = 0.007x + 0.000
Cor.Coeff. : 0.998453
BEC : 0.511305 ug/L
DL : 0.062499 ug/L



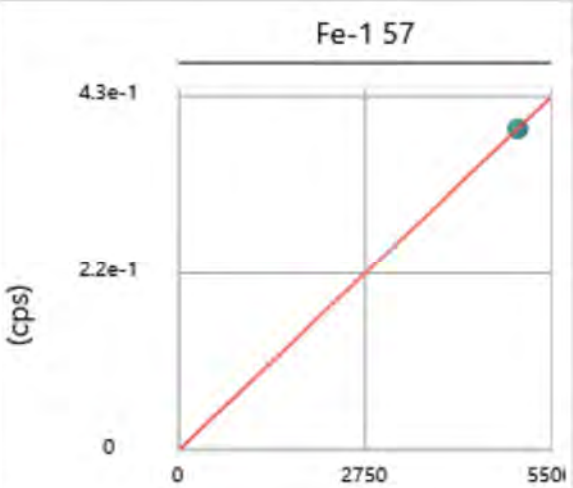
Eqn. : y = 0.007x + 0.000
Cor.Coeff. : 0.999808
BEC : 0.019678 ug/L
DL : 0.008919 ug/L



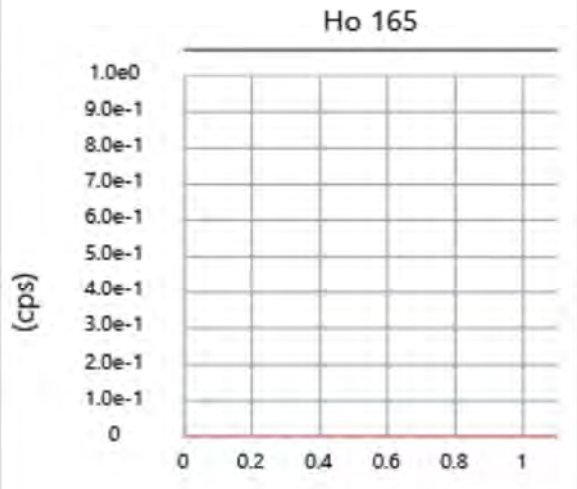
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.998868
BEC : 0.029592 ug/L
DL : 0.018415 ug/L



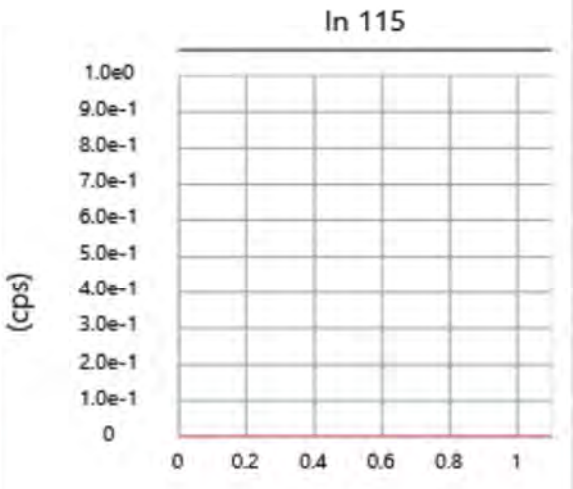
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 33.062605 ug/L
DL : 12.787947 ug/L



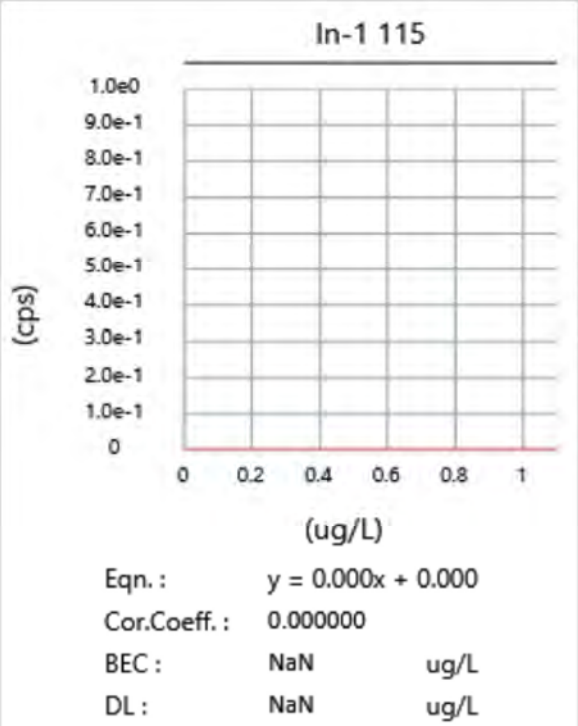
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.401950 ug/L
DL : 0.686558 ug/L



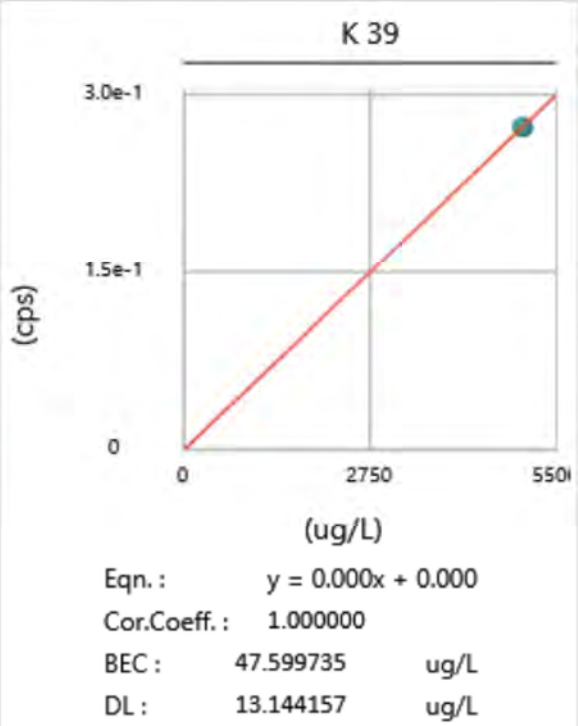
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



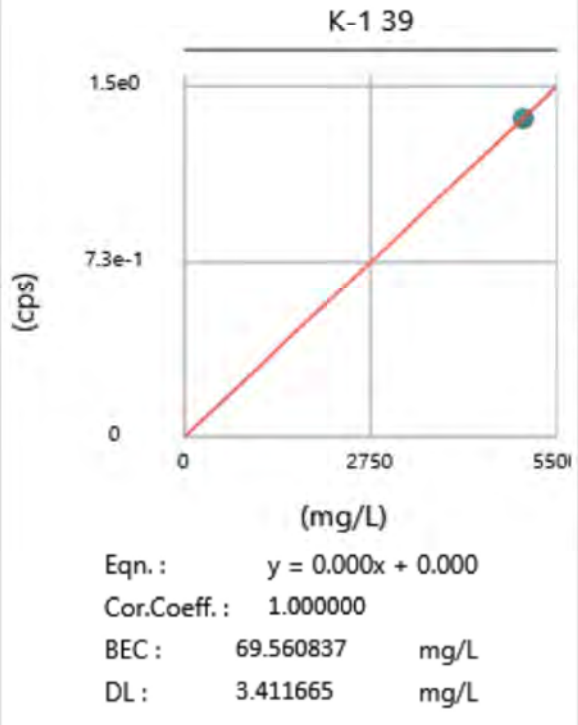
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



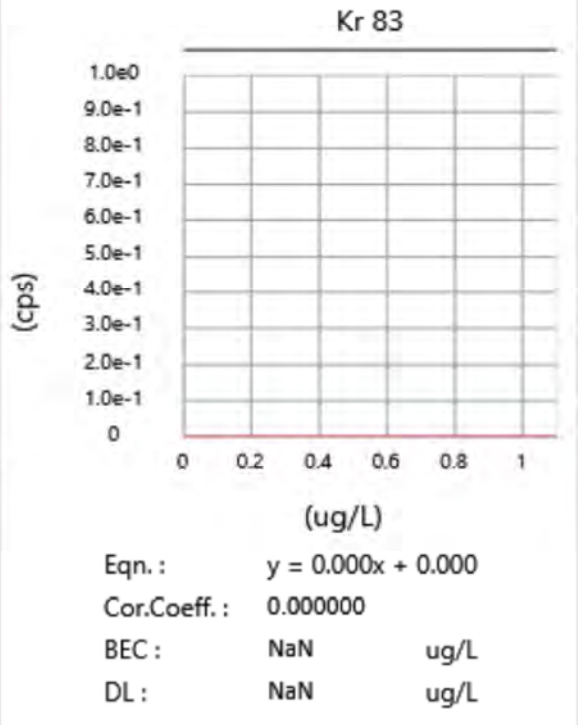
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



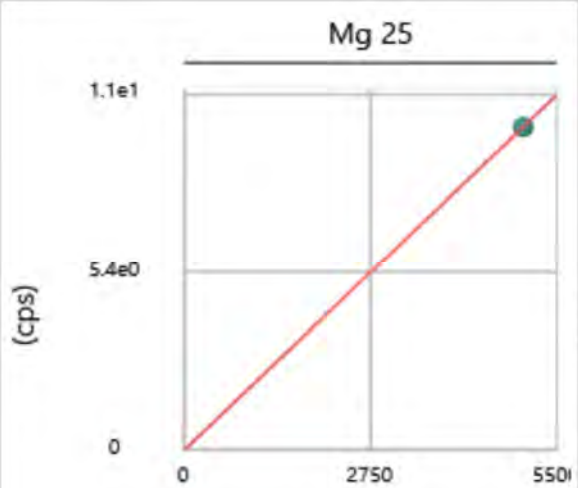
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 47.599735 ug/L
DL : 13.144157 ug/L



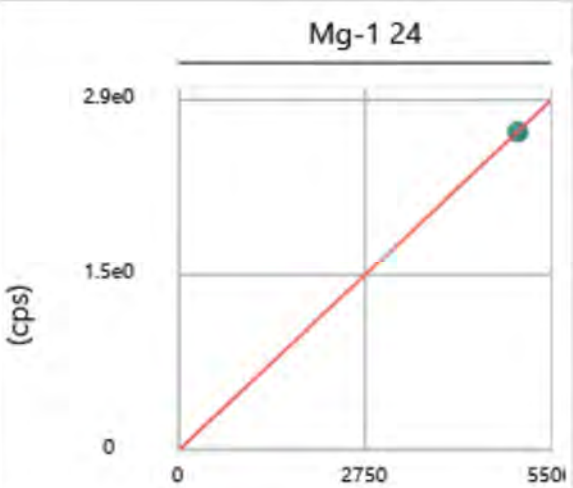
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 69.560837 mg/L
DL : 3.411665 mg/L



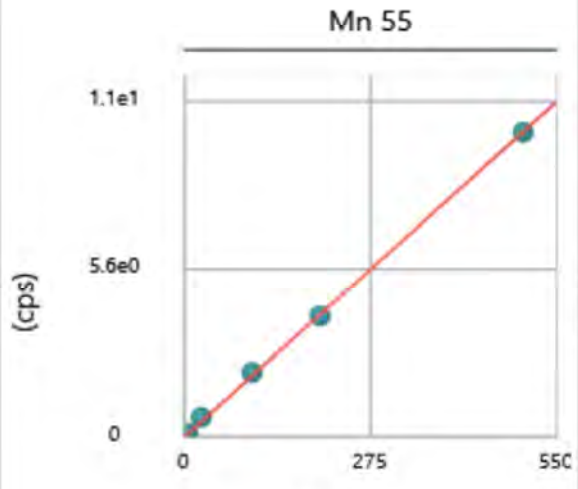
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



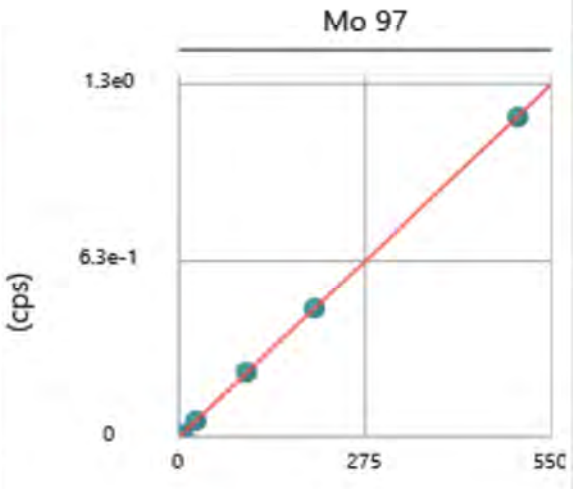
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.067278 ug/L
DL : 0.039179 ug/L



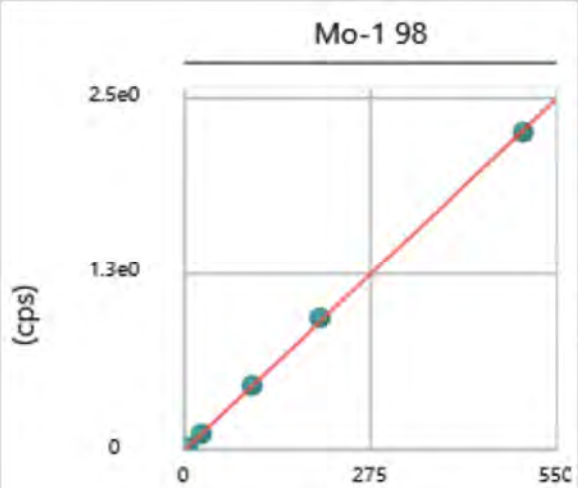
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.053627 mg/L
DL : 0.094236 mg/L



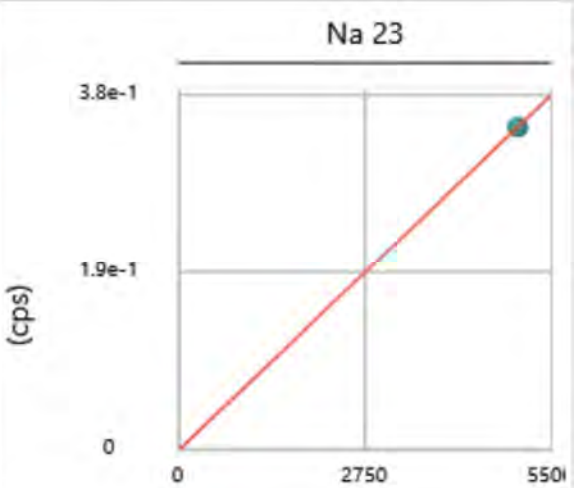
Eqn. : y = 0.020x + 0.000
Cor.Coeff. : 0.999834
BEC : 0.067438 ug/L
DL : 0.025404 ug/L



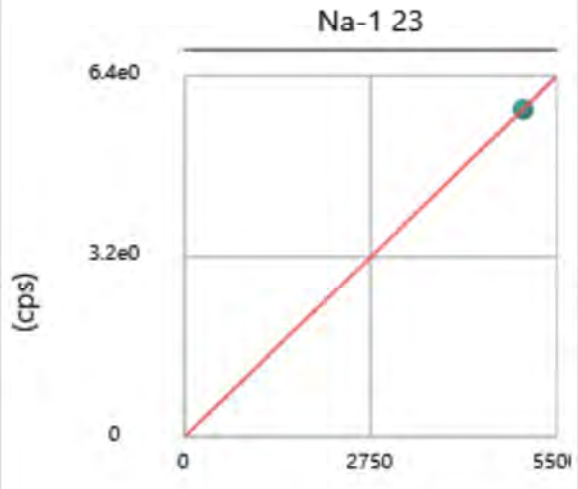
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999995
BEC : 0.038559 ug/L
DL : 0.014188 ug/L



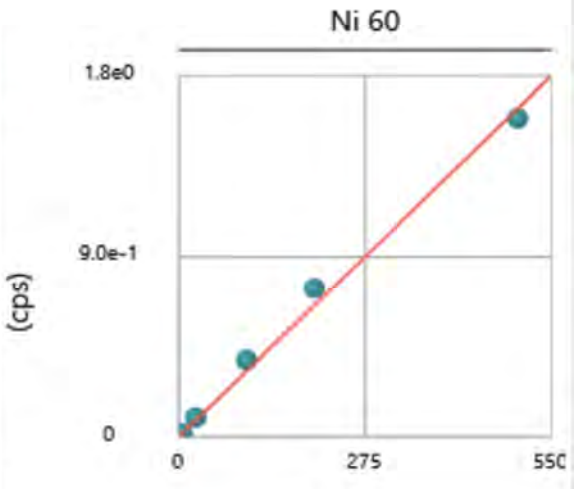
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999921
BEC : 0.016692 ug/L
DL : 0.017539 ug/L



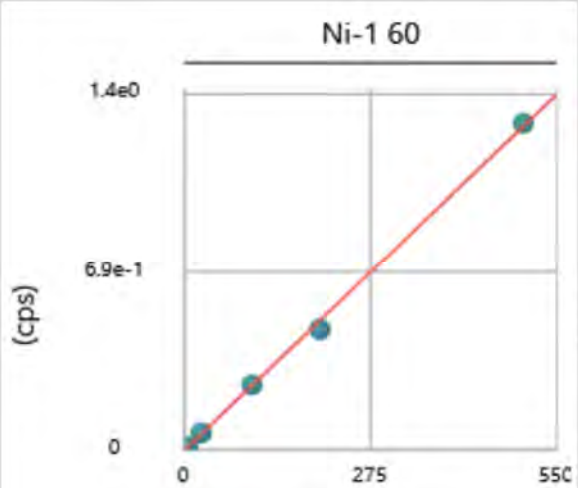
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 9.113294 ug/L
DL : 1.286223 ug/L



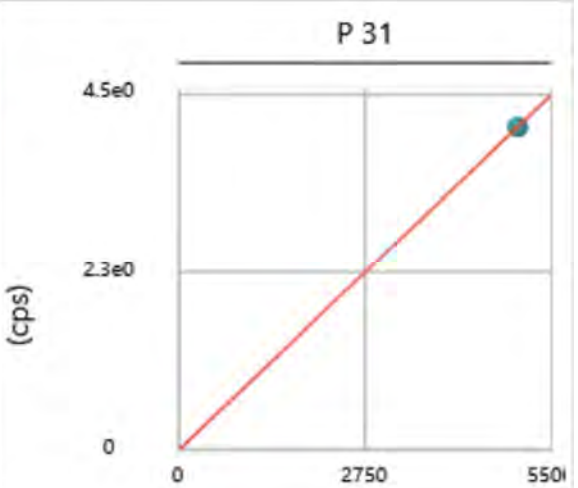
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 5.089298 mg/L
DL : 0.621714 mg/L



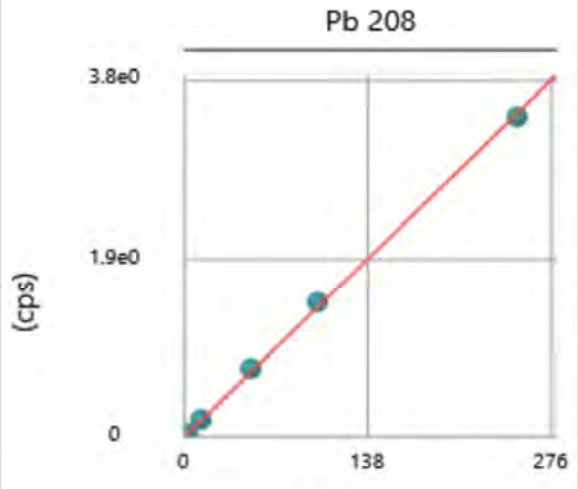
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.997932
BEC : 0.033307 ug/L
DL : 0.017926 ug/L



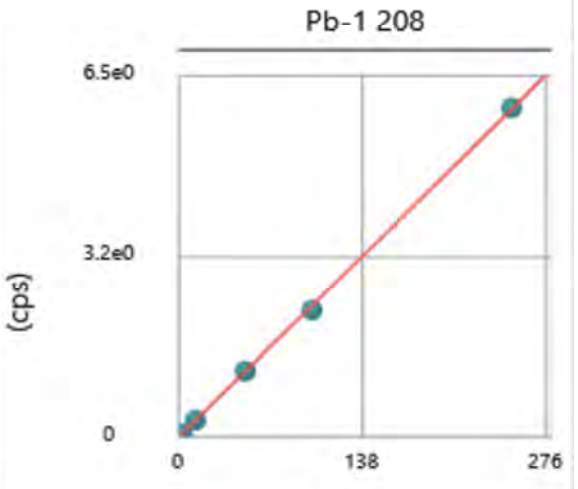
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999650
BEC : 0.029999 ug/L
DL : 0.035896 ug/L



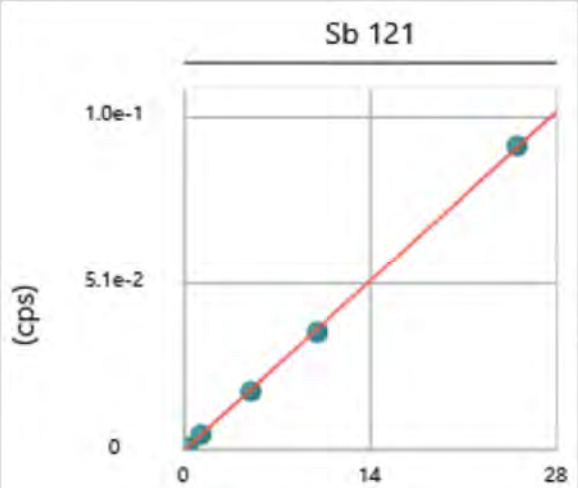
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 28.361637 ug/L
DL : 7.087409 ug/L



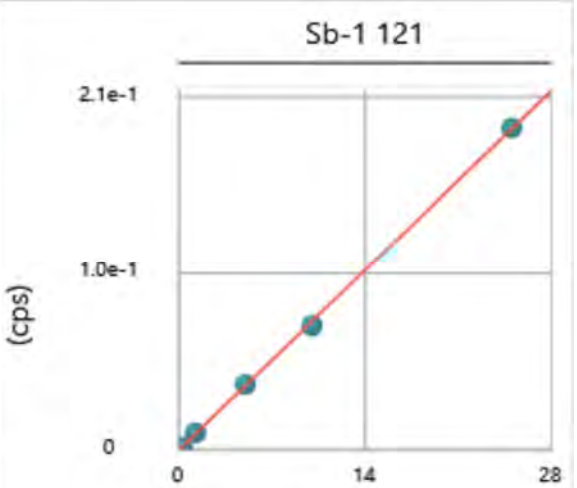
Eqn. : y = 0.014x + 0.000
Cor.Coeff. : 0.999765
BEC : 0.010727 ug/L
DL : 0.002495 ug/L



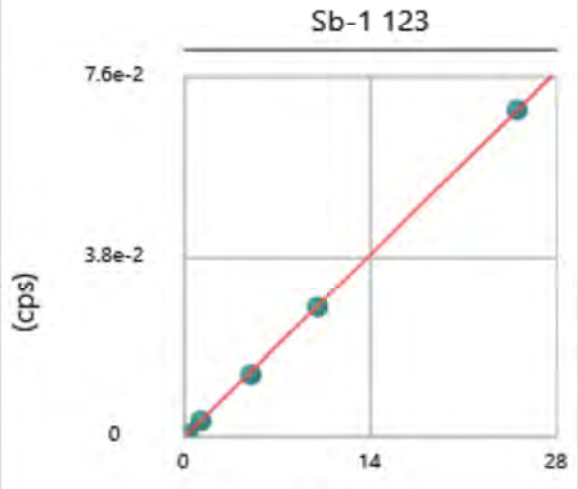
Eqn. : y = 0.024x + 0.000
Cor.Coeff. : 0.999909
BEC : 0.013191 ug/L
DL : 0.001780 ug/L



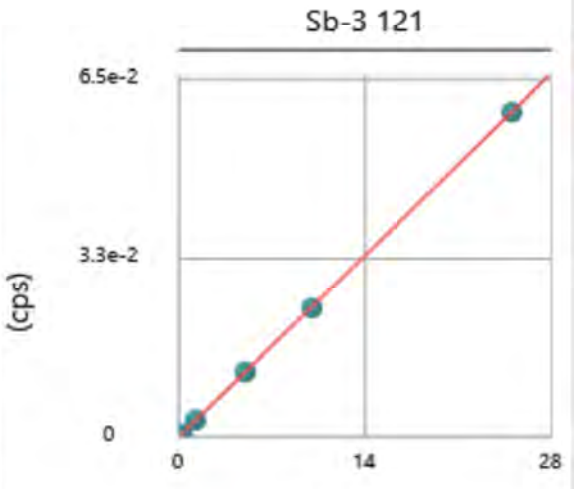
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999920
BEC : 0.011724 ug/L
DL : 0.002461 ug/L



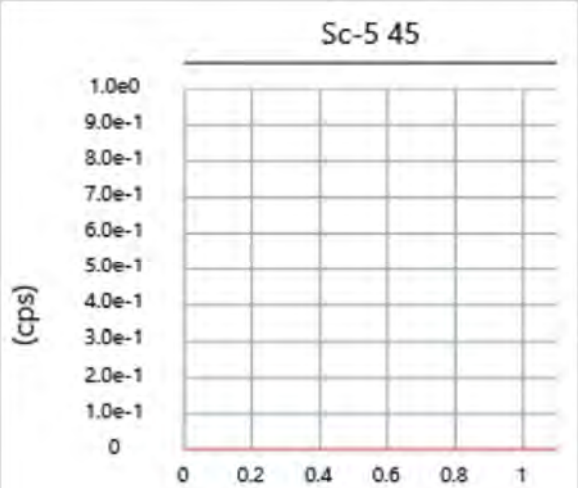
Eqn. : y = 0.007x + 0.000
Cor.Coeff. : 0.999908
BEC : 0.011434 ug/L
DL : 0.002028 ug/L



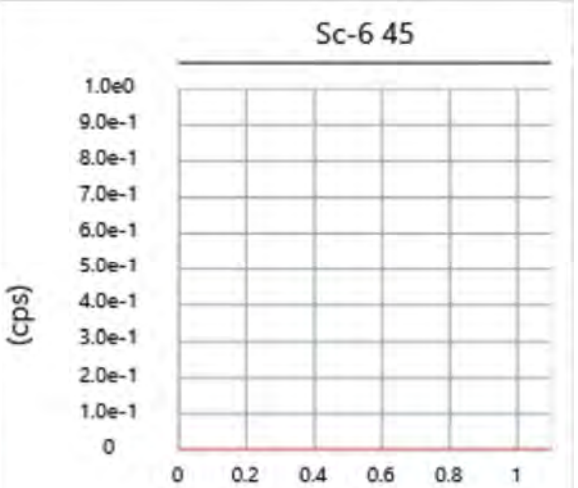
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999960
BEC : 0.011776 ug/L
DL : 0.006125 ug/L



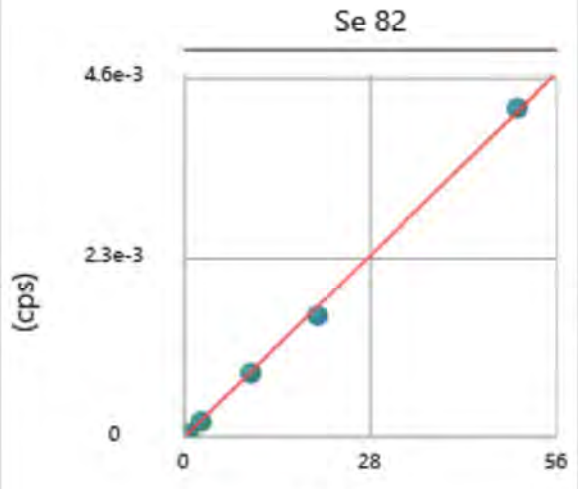
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999992
BEC : 0.013395 ug/L
DL : 0.000942 ug/L



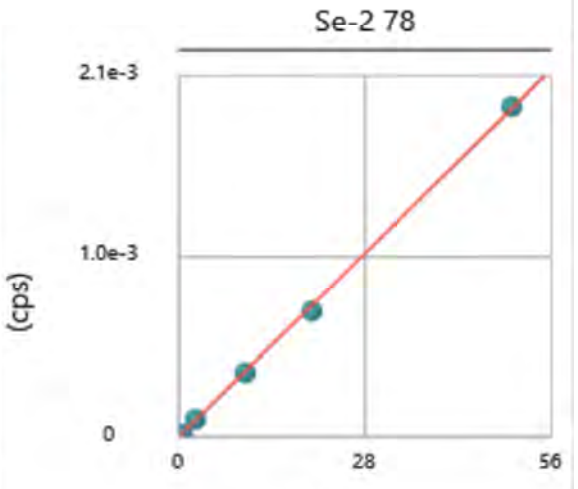
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



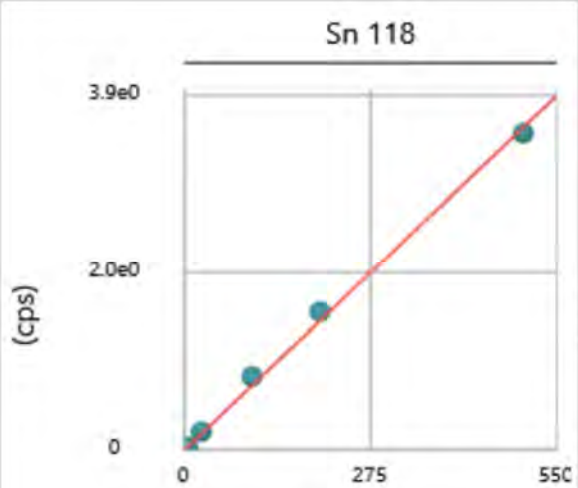
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN mg/L
DL : NaN mg/L



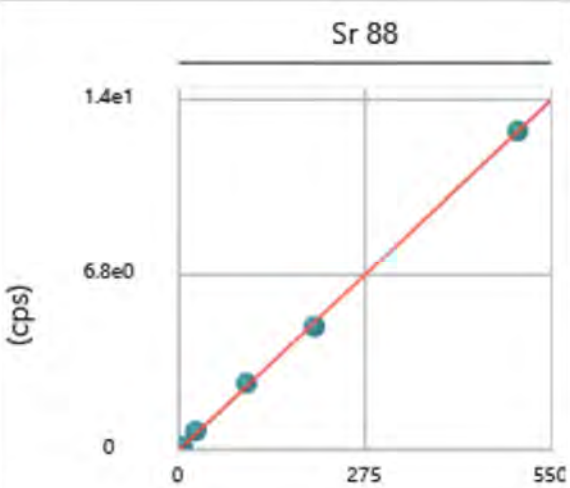
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999620
BEC : -0.787763 ug/L
DL : 0.103666 ug/L



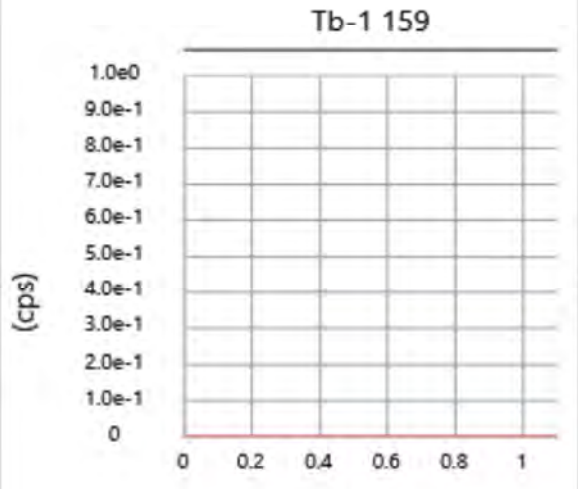
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999837
BEC : 0.856191 ug/L
DL : 0.104810 ug/L



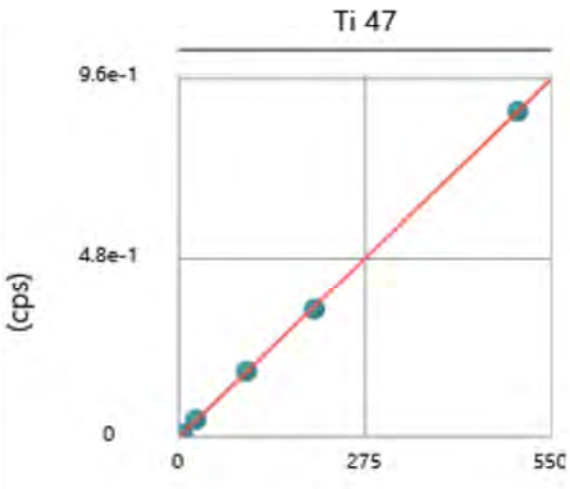
Eqn. : y = 0.007x + 0.000
Cor.Coeff. : 0.999192
BEC : 0.183005 ug/L
DL : 0.029779 ug/L



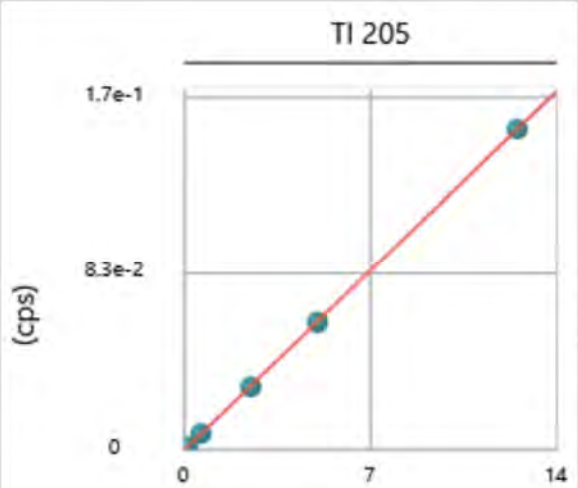
Eqn. : y = 0.025x + 0.000
Cor.Coeff. : 0.999841
BEC : 0.003622 ug/L
DL : 0.001447 ug/L



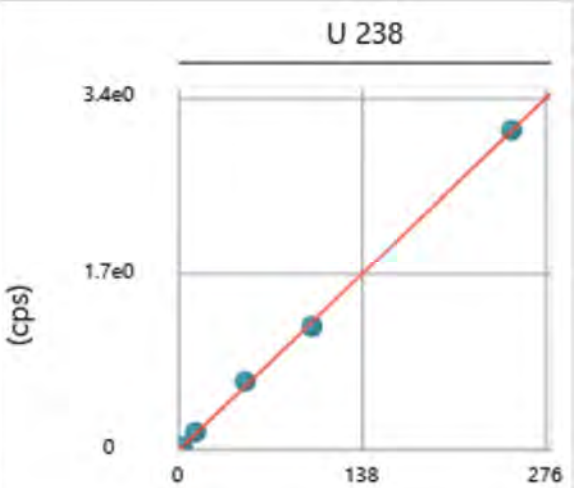
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



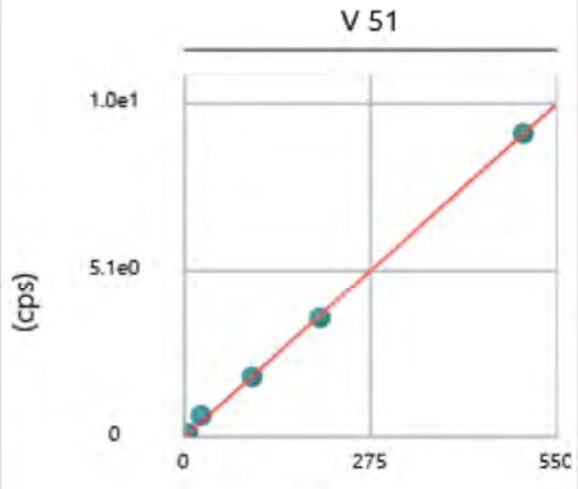
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999966
BEC : 0.068382 ug/L
DL : 0.013966 ug/L



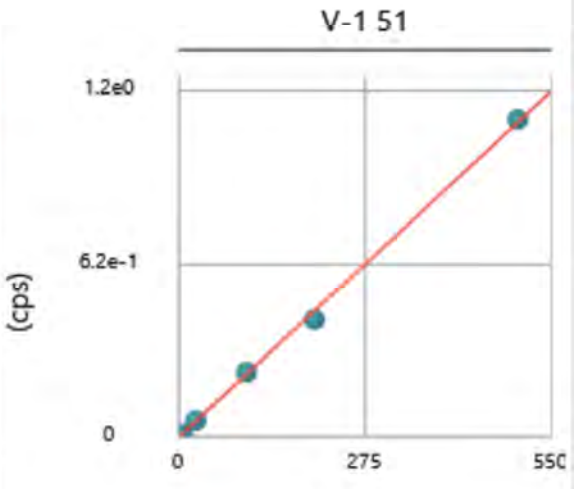
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999994
BEC : 0.000839 ug/L
DL : 0.000725 ug/L



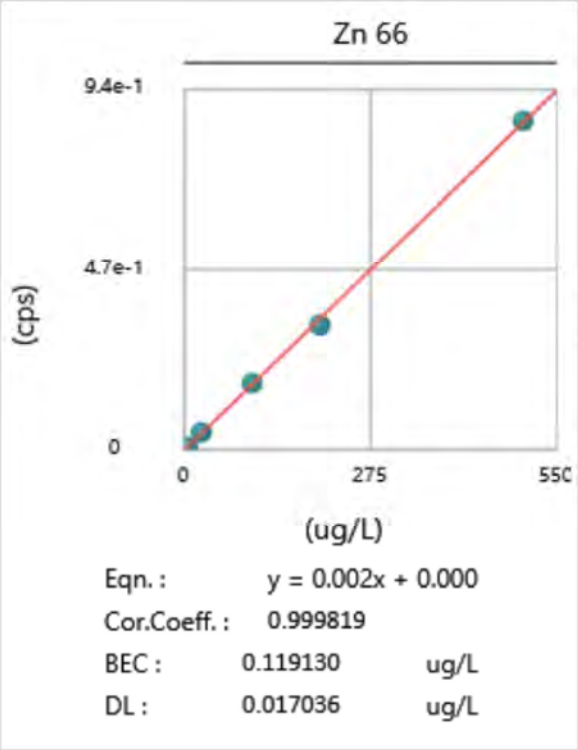
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999815
BEC : 0.000080 ug/L
DL : 0.000209 ug/L

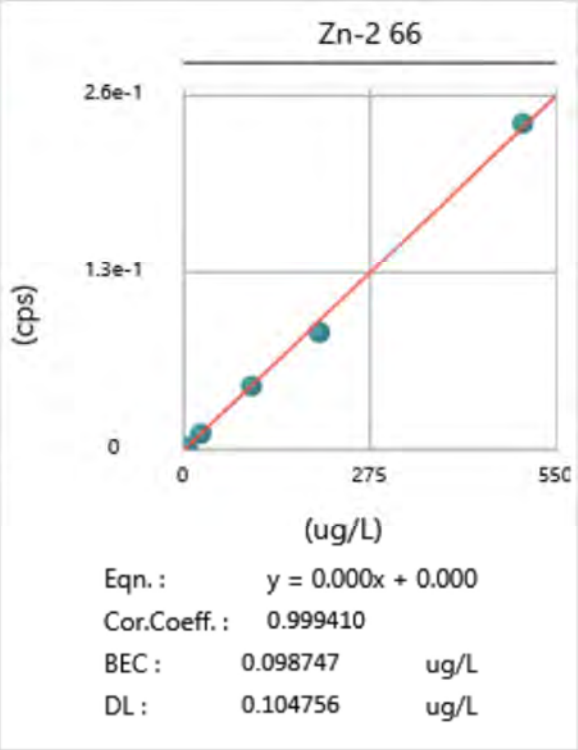


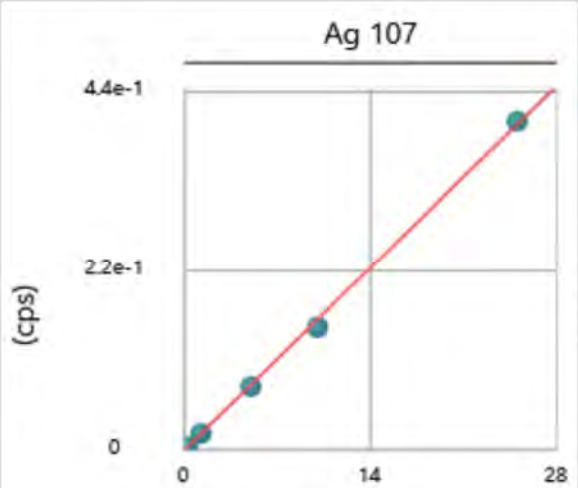
Eqn. : y = 0.018x + 0.000
Cor.Coeff. : 0.999763
BEC : 24.877591 ug/L
DL : 0.588855 ug/L



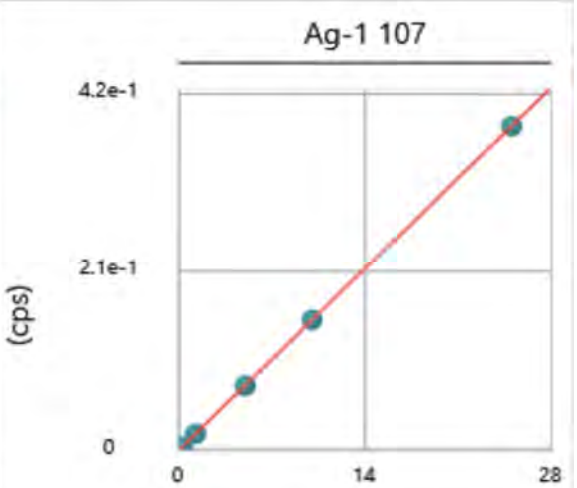
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999616
BEC : 0.183735 ug/L
DL : 0.085802 ug/L


Zn 66
9.4e-1
4.7e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999819
BEC : 0.119130 ug/L
DL : 0.017036 ug/L

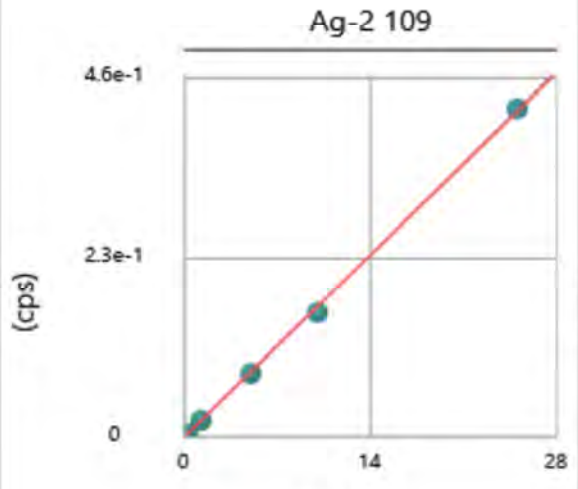

Zn-2 66
2.6e-1
1.3e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999410
BEC : 0.098747 ug/L
DL : 0.104756 ug/L



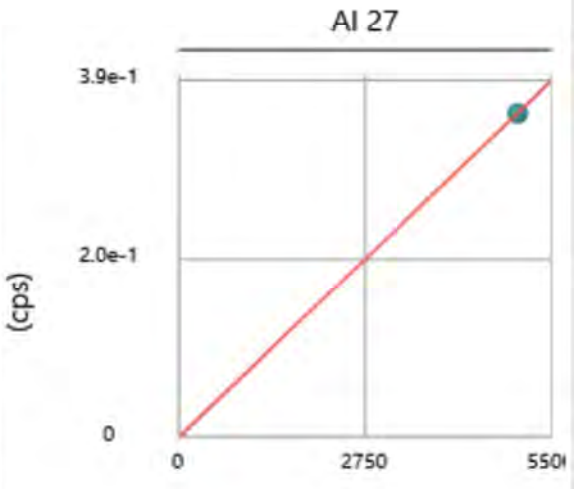
Eqn. : y = 0.016x + 0.000
Cor.Coeff. : 0.999723
BEC : 0.016645 ug/L
DL : 0.002283 ug/L



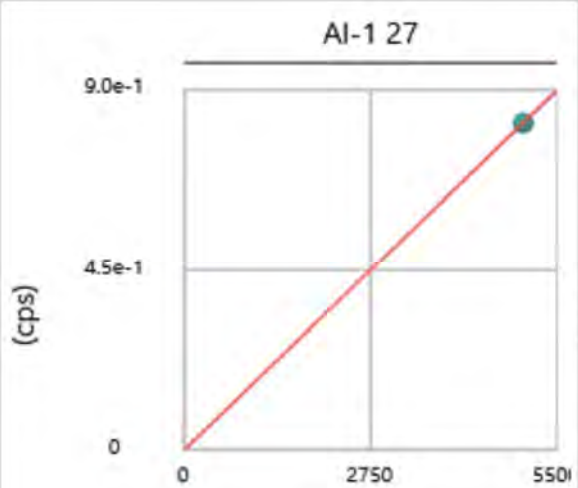
Eqn. : y = 0.015x + 0.000
Cor.Coeff. : 0.999999
BEC : 0.015916 ug/L
DL : 0.002200 ug/L



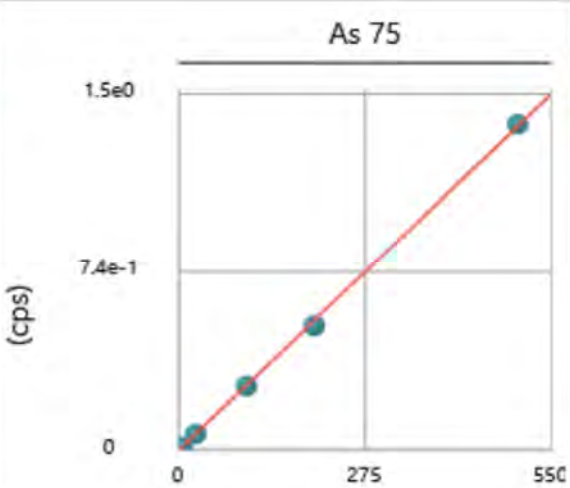
Eqn. : y = 0.017x + 0.000
Cor.Coeff. : 0.999813
BEC : 0.016537 ug/L
DL : 0.006012 ug/L



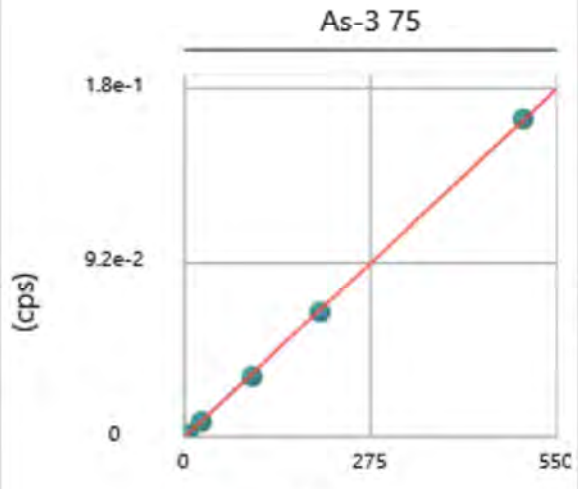
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.148452 ug/L
DL : 0.289179 ug/L



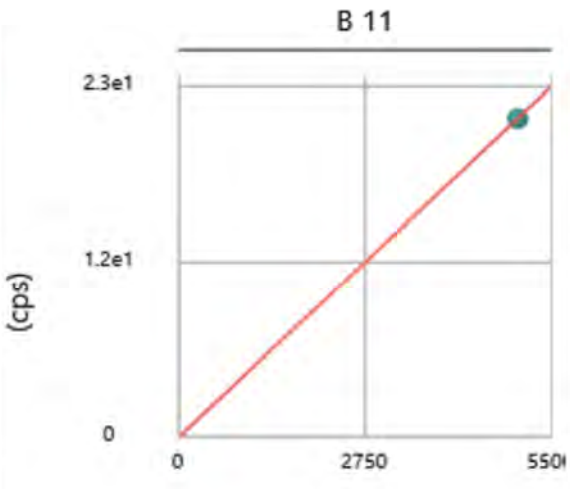
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.138445 mg/L
DL : 0.181176 mg/L



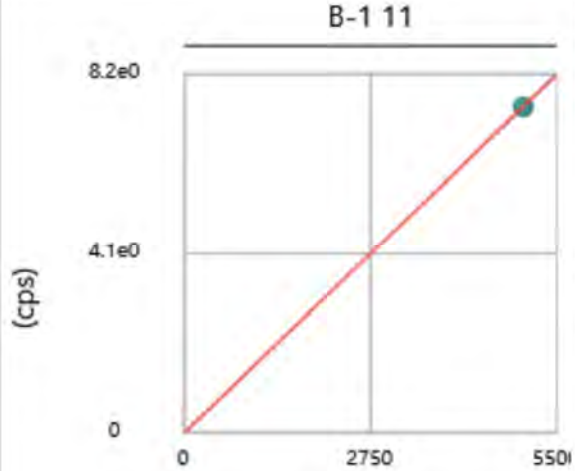
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999868
BEC : -0.504091 ug/L
DL : 1.705727 ug/L



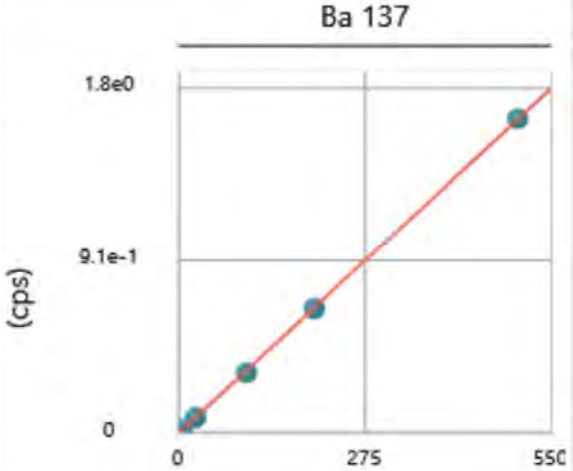
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999943
BEC : 0.118419 ug/L
DL : 0.043730 ug/L



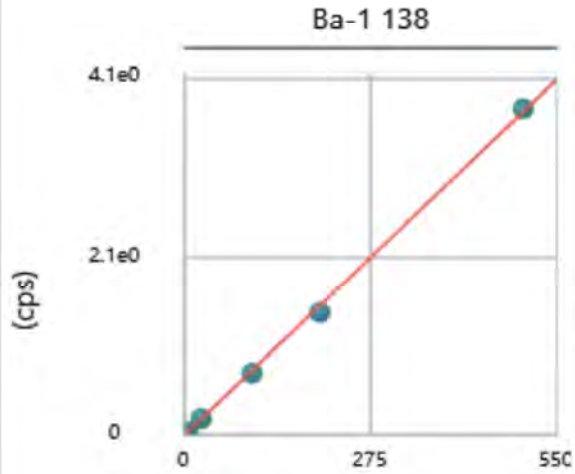
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.126794 ug/L
DL : 0.023389 ug/L



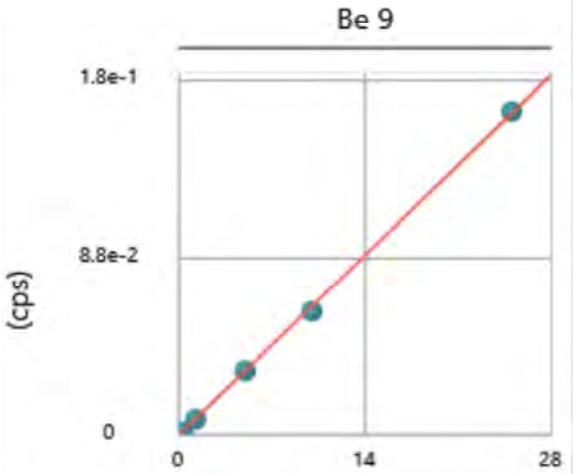
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.076233 ug/L
DL : 0.396120 ug/L



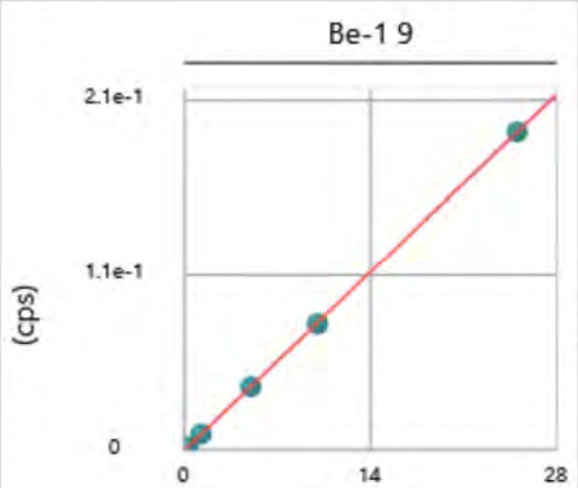
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999971
BEC : 0.012477 ug/L
DL : 0.001893 ug/L



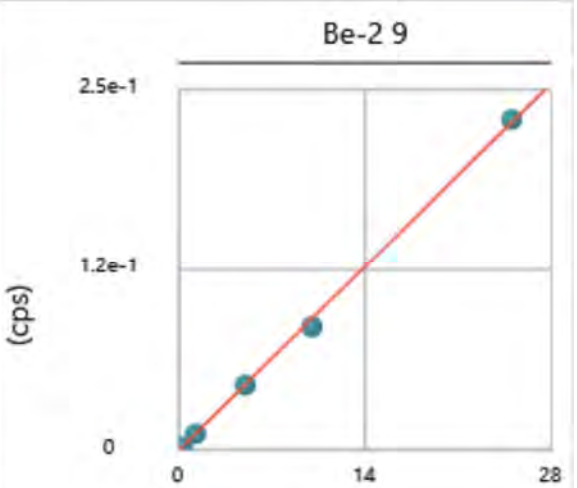
Eqn. : y = 0.008x + 0.000
Cor.Coeff. : 0.999741
BEC : 0.015856 mg/L
DL : 0.025102 mg/L



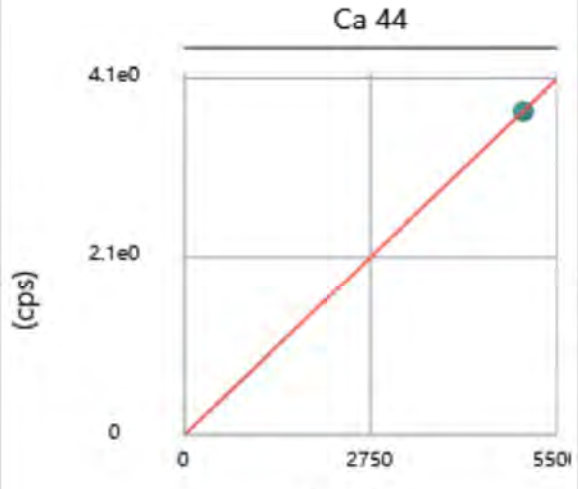
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999881
BEC : 0.000847 ug/L
DL : 0.001567 ug/L



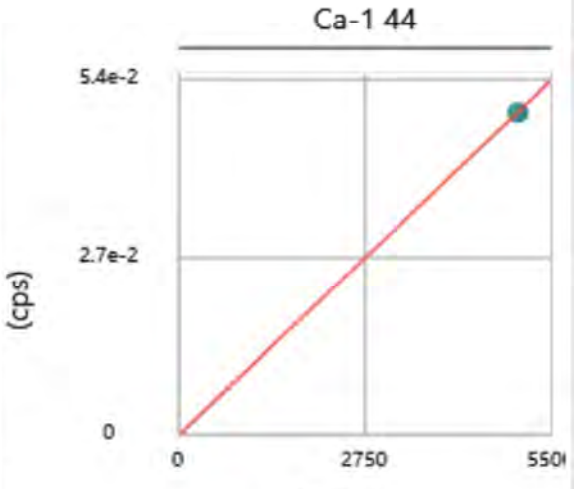
Eqn. : y = 0.008x + 0.000
Cor.Coeff. : 0.999994
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



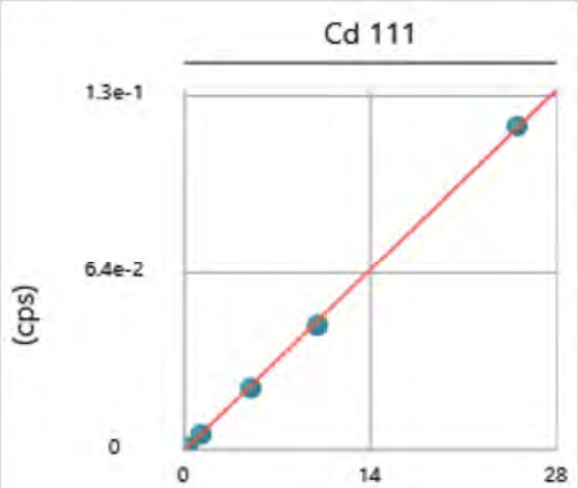
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999717
BEC : 0.000861 ug/L
DL : 0.001651 ug/L



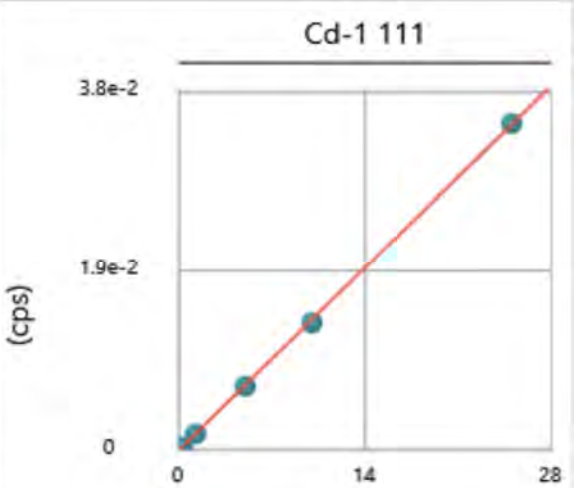
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 11.218838 ug/L
DL : 1.093503 ug/L



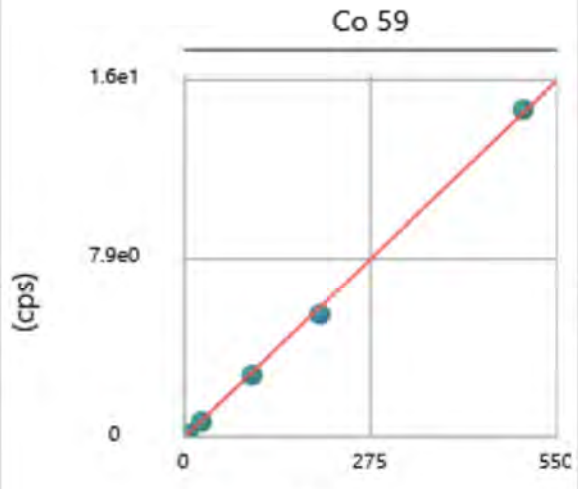
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 6.501699 mg/L
DL : 1.980834 mg/L



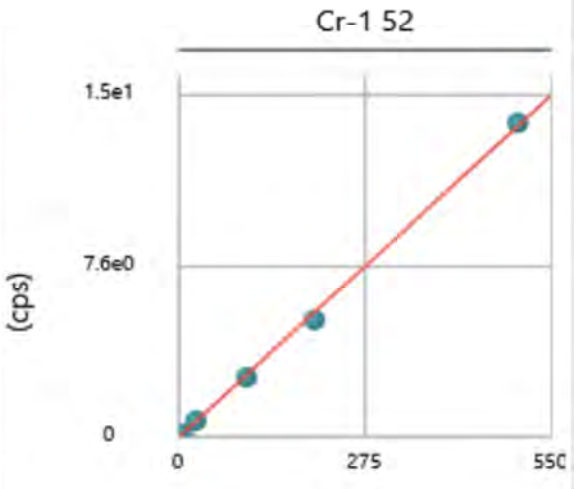
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999892
BEC : 0.001723 ug/L
DL : 0.001846 ug/L



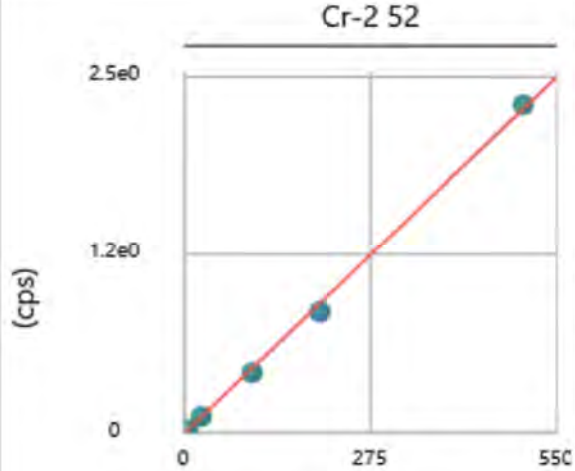
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999952
BEC : 0.029569 mg/L
DL : 0.028355 mg/L



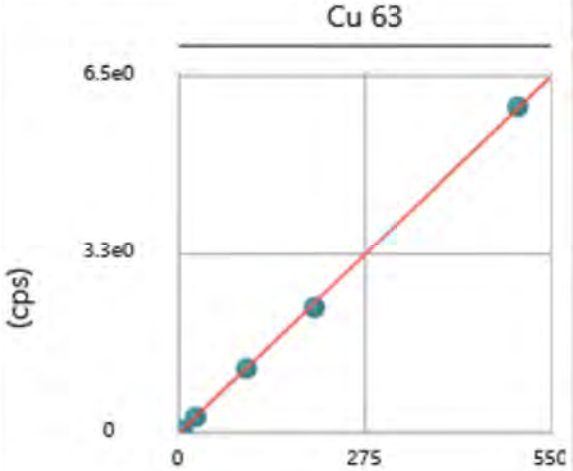
Eqn. : y = 0.029x + 0.000
Cor.Coeff. : 0.999713
BEC : 0.003061 ug/L
DL : 0.001585 ug/L



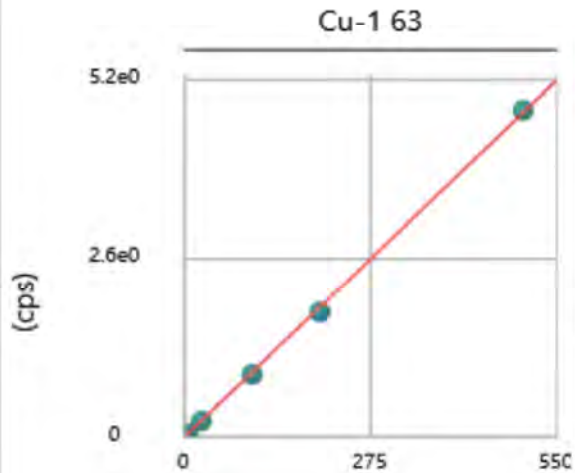
Eqn. : y = 0.028x + 0.000
Cor.Coeff. : 0.999675
BEC : 2.887412 ug/L
DL : 0.280083 ug/L



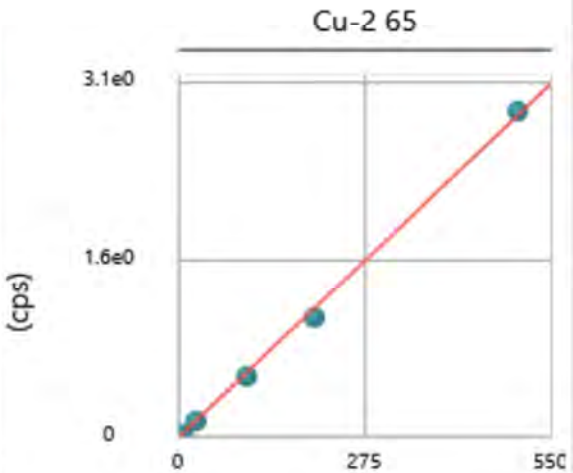
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999583
BEC : 0.027612 ug/L
DL : 0.013372 ug/L



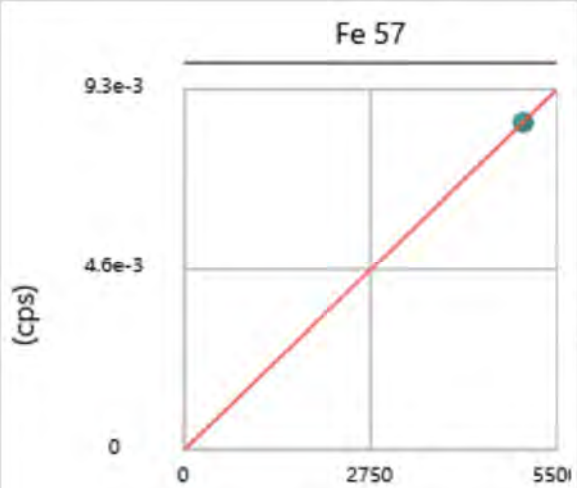
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999914
BEC : 0.026224 ug/L
DL : 0.002622 ug/L



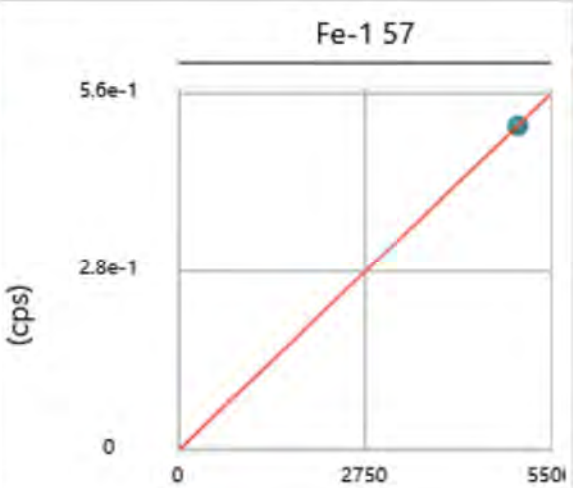
Eqn. : y = 0.010x + 0.000
Cor.Coeff. : 0.999870
BEC : 0.020758 ug/L
DL : 0.019318 ug/L



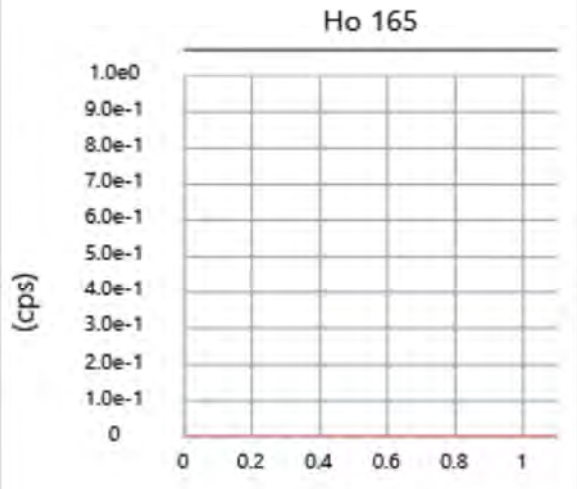
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999520
BEC : 0.022356 ug/L
DL : 0.013156 ug/L



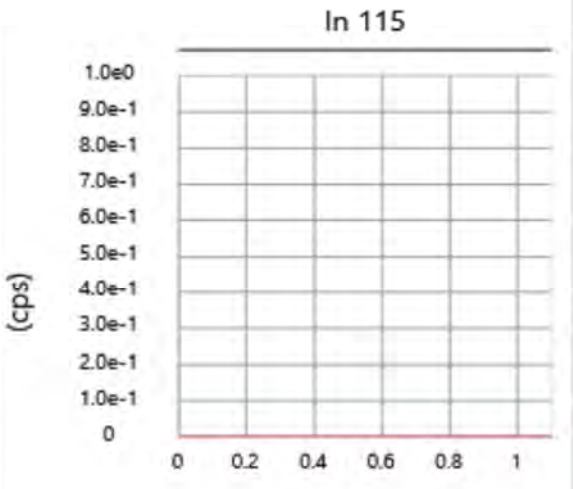
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 33.863689 ug/L
DL : 22.539217 ug/L



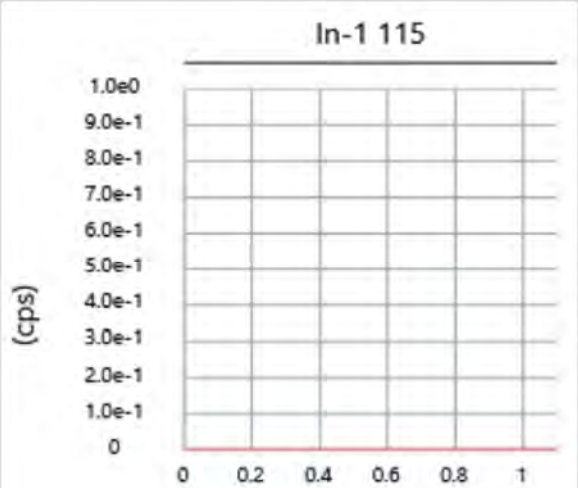
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.550489 ug/L
DL : 0.570271 ug/L



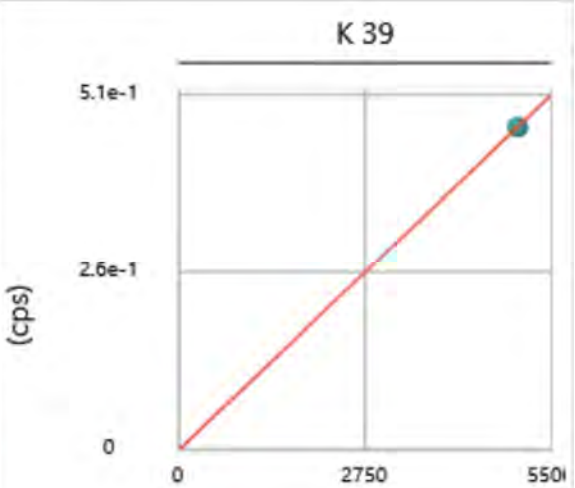
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



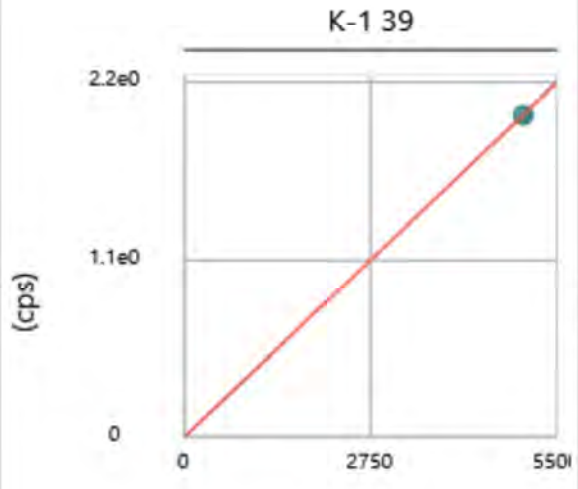
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



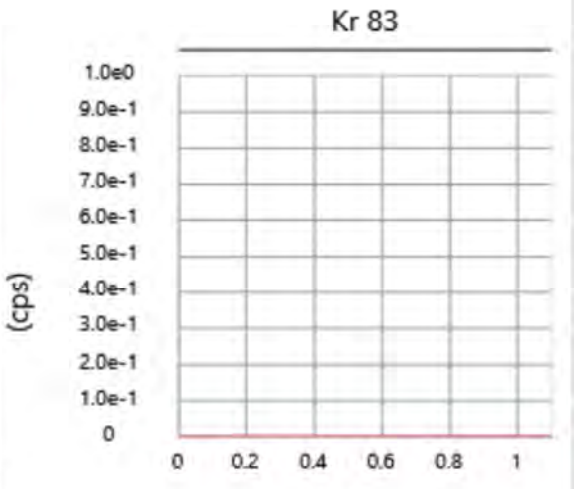
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



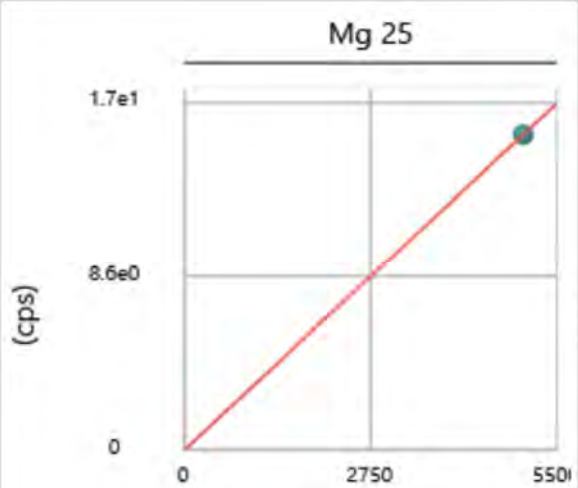
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 38.628869 ug/L
DL : 8.095776 ug/L



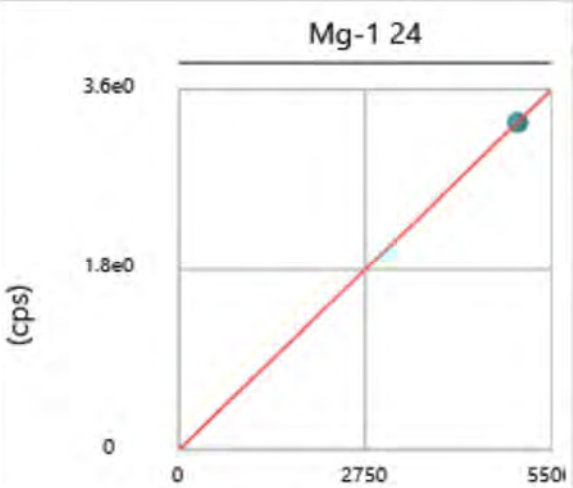
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 75.262857 mg/L
DL : 6.979908 mg/L



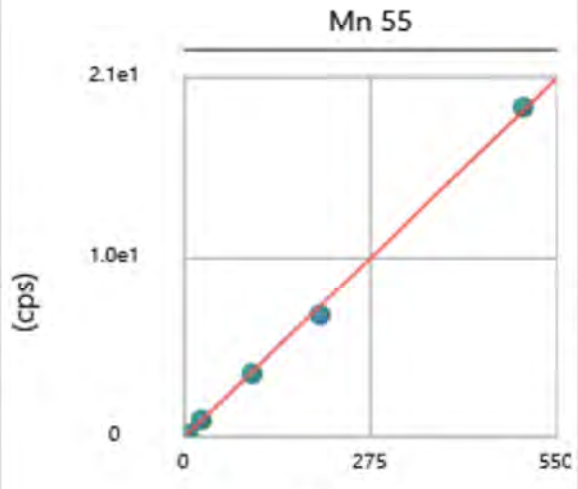
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



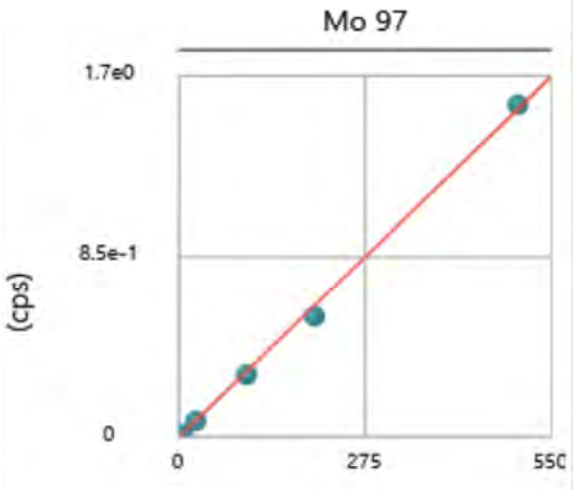
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.086202 ug/L
DL : 0.009375 ug/L



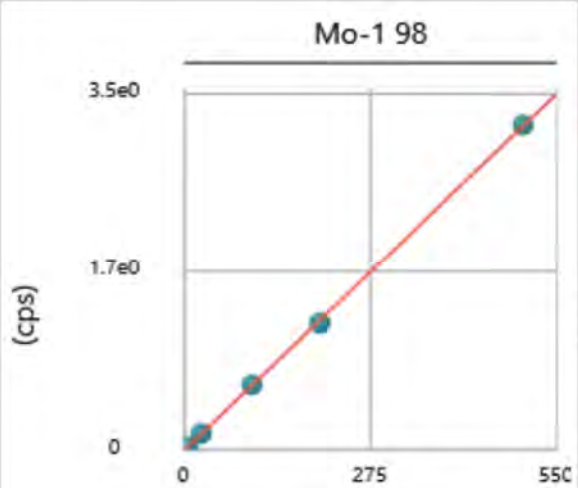
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.104111 mg/L
DL : 0.138814 mg/L



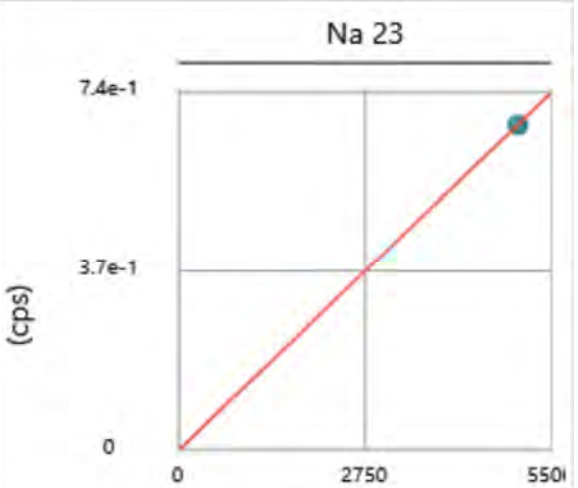
Eqn. : y = 0.038x + 0.000
Cor.Coeff. : 0.999637
BEC : 0.083999 ug/L
DL : 0.007567 ug/L



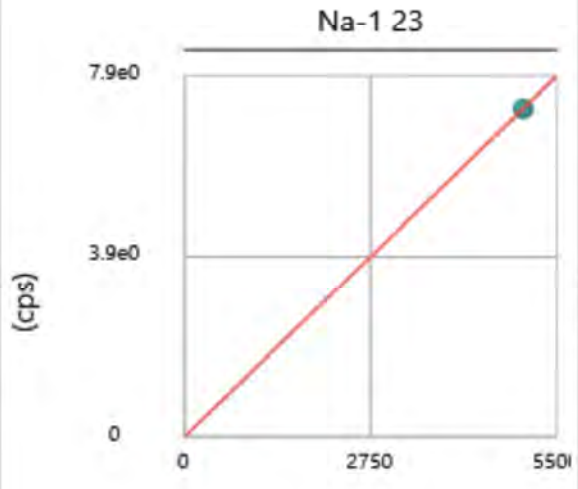
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999442
BEC : 0.042334 ug/L
DL : 0.032581 ug/L



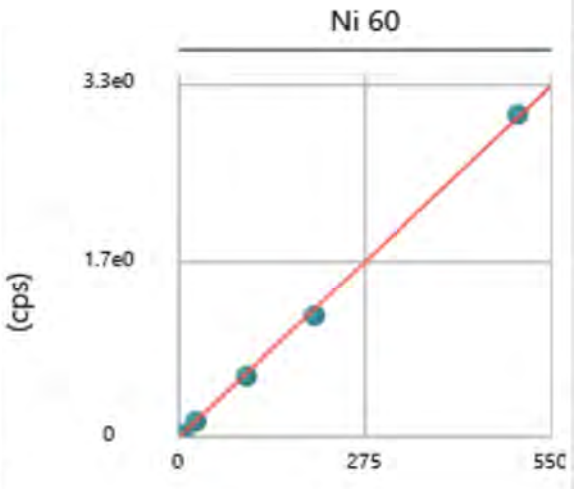
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999962
BEC : 0.013010 ug/L
DL : 0.015695 ug/L



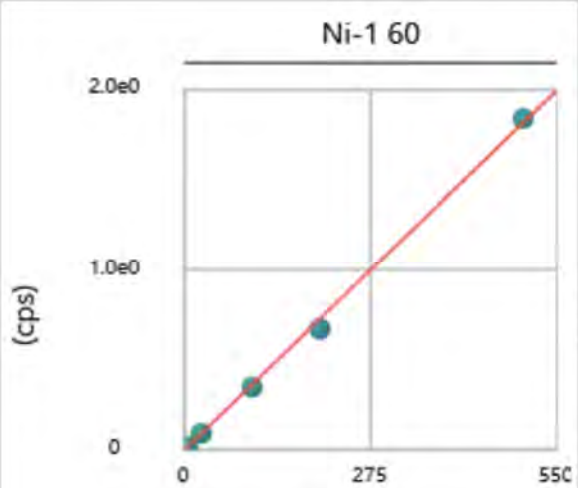
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 5.145816 ug/L
DL : 1.463738 ug/L



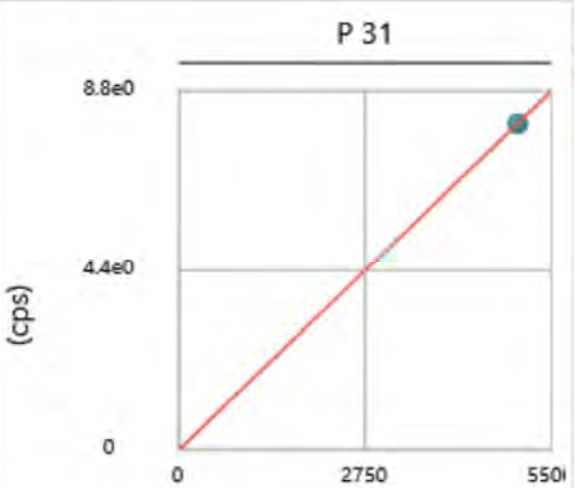
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 5.052710 mg/L
DL : 0.632181 mg/L



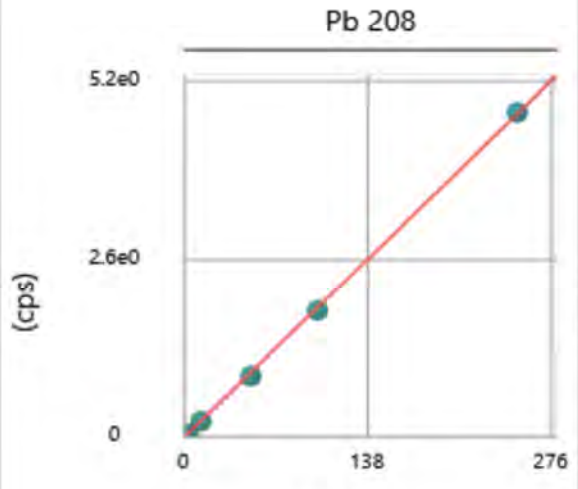
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999738
BEC : 0.056091 ug/L
DL : 0.013111 ug/L



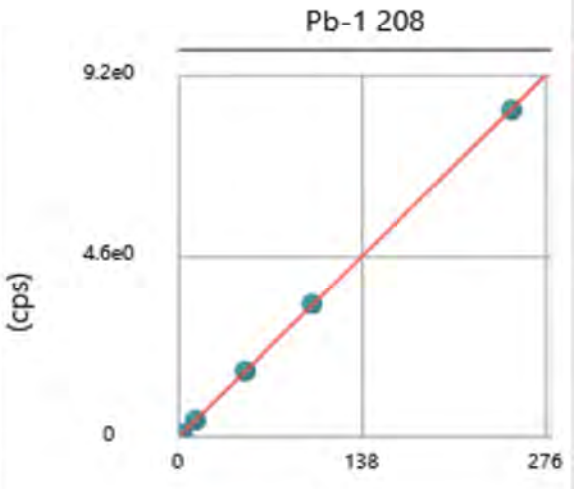
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999520
BEC : 0.052858 ug/L
DL : 0.058385 ug/L



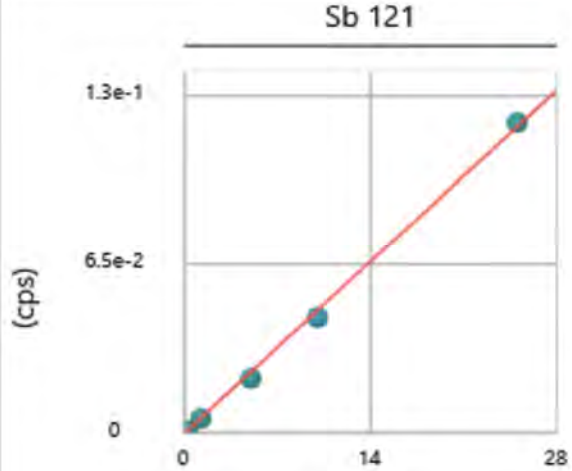
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 13.098473 ug/L
DL : 1.259260 ug/L



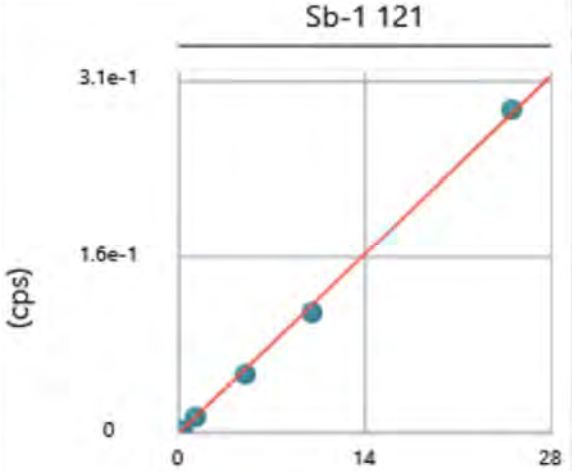
Eqn. : y = 0.019x + 0.000
Cor.Coeff. : 0.999910
BEC : 0.005005 ug/L
DL : 0.001126 ug/L



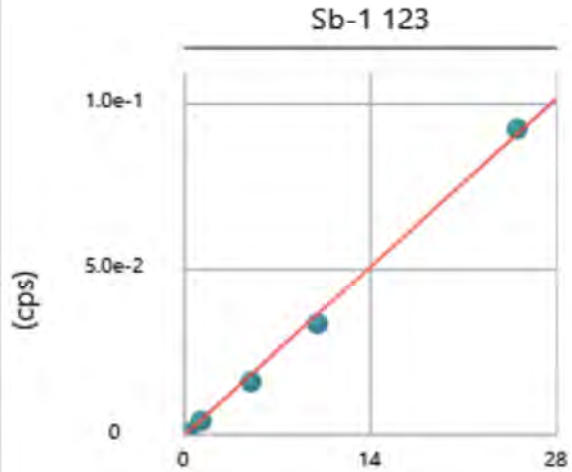
Eqn. : y = 0.033x + 0.000
Cor.Coeff. : 0.999986
BEC : 0.006163 ug/L
DL : 0.003585 ug/L



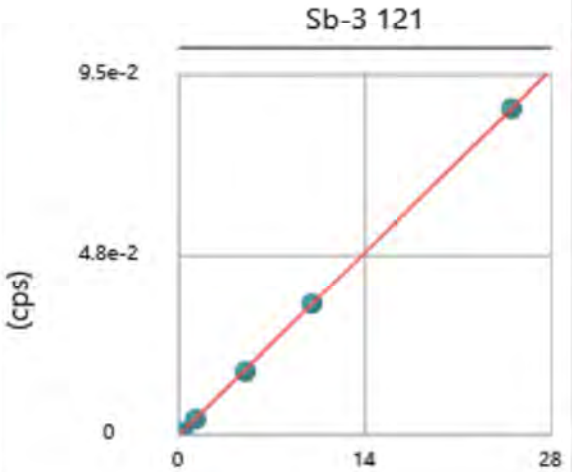
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999500
BEC : 0.012314 ug/L
DL : 0.002907 ug/L



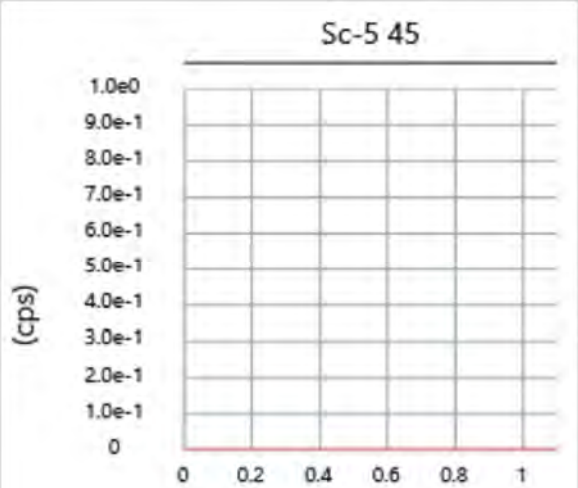
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999603
BEC : 0.012499 ug/L
DL : 0.003557 ug/L



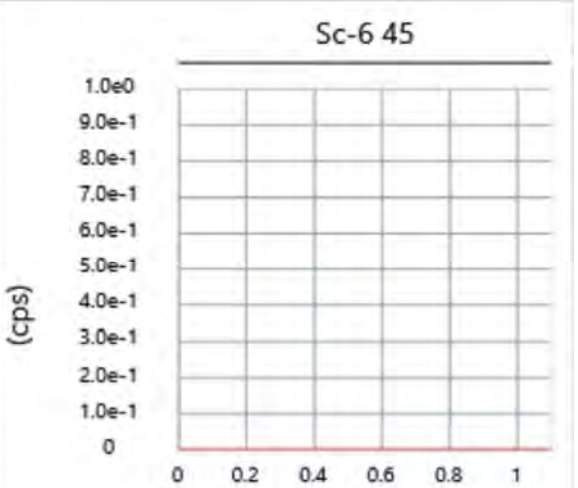
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999245
BEC : 0.013513 ug/L
DL : 0.001738 ug/L



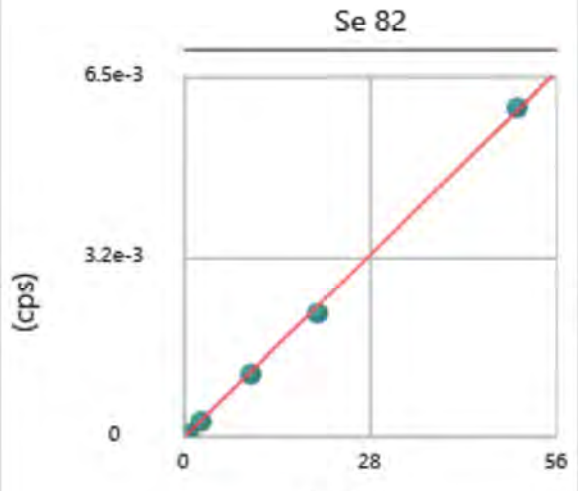
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999990
BEC : 0.010606 ug/L
DL : 0.007507 ug/L



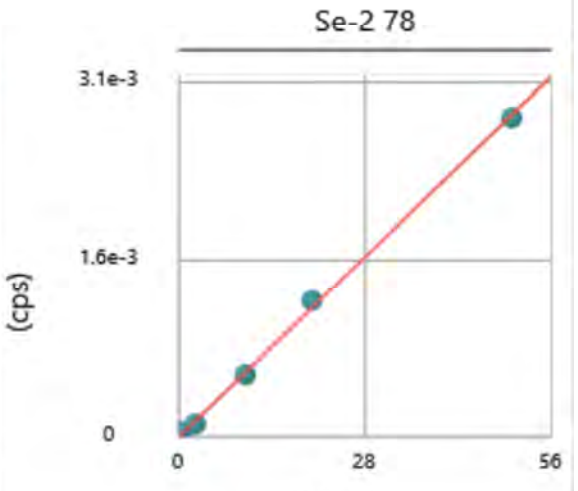
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



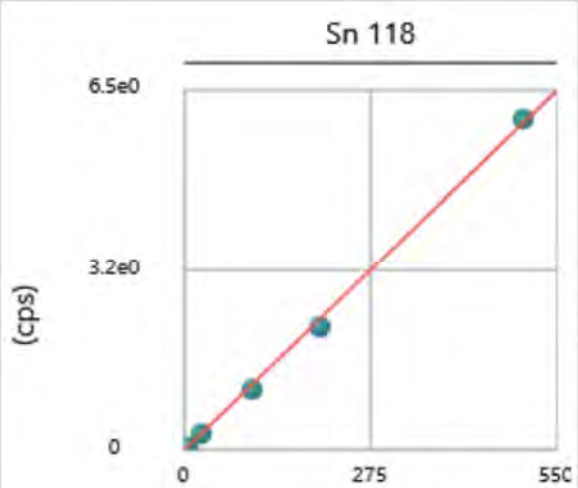
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN mg/L
DL : NaN mg/L



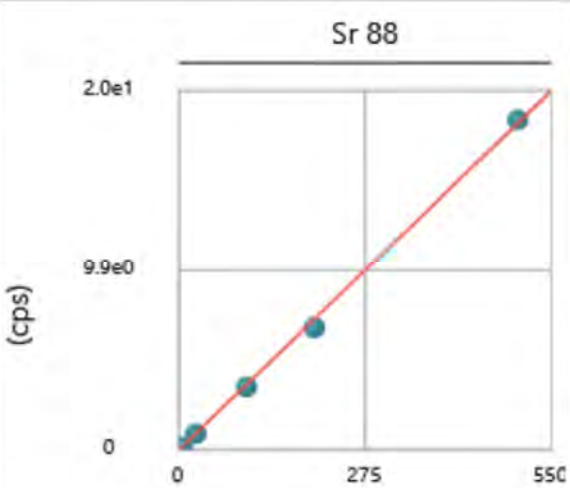
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999745
BEC : -0.283882 ug/L
DL : 0.197287 ug/L



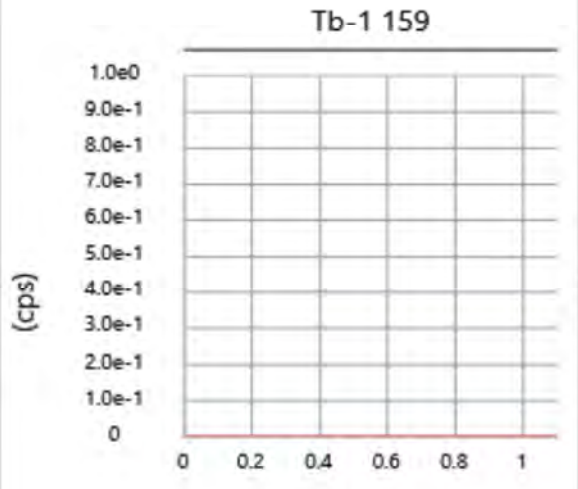
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999666
BEC : 0.700618 ug/L
DL : 0.263320 ug/L



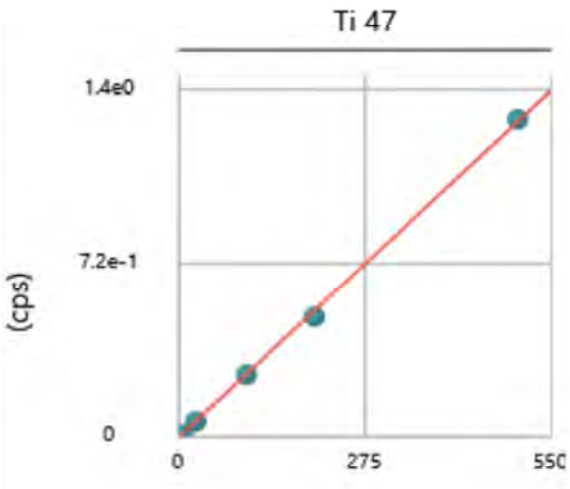
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999621
BEC : 0.290348 ug/L
DL : 0.047994 ug/L



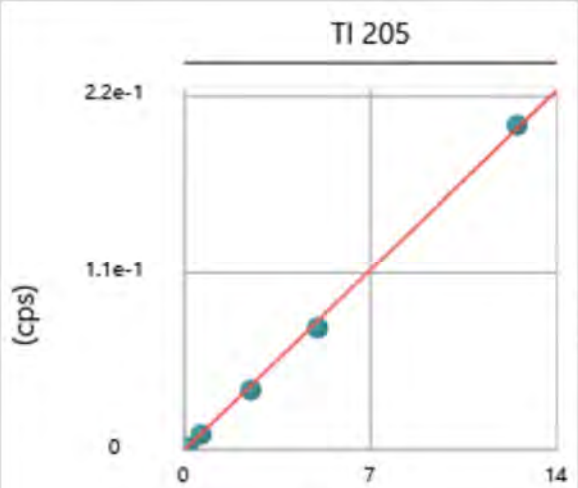
Eqn. : y = 0.036x + 0.000
Cor.Coeff. : 0.999654
BEC : 0.003845 ug/L
DL : 0.000893 ug/L



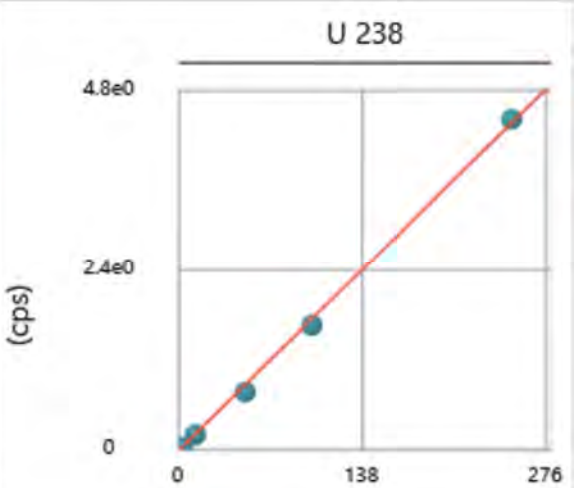
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



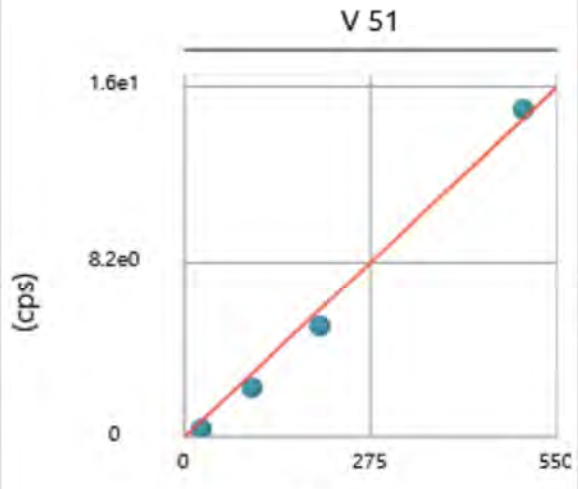
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999820
BEC : 0.104083 ug/L
DL : 0.070418 ug/L



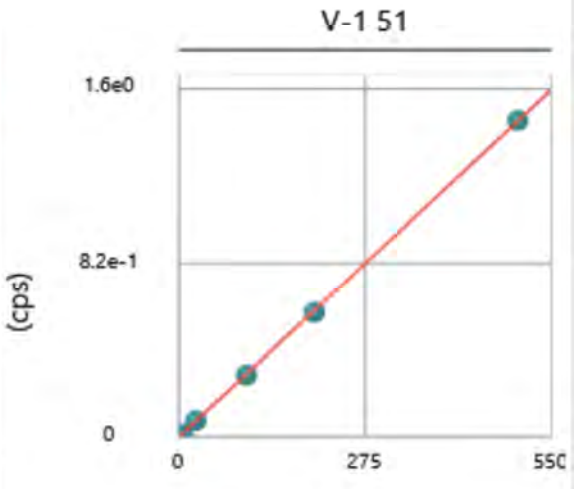
Eqn. : y = 0.016x + 0.000
Cor.Coeff. : 0.999704
BEC : 0.000597 ug/L
DL : 0.000792 ug/L



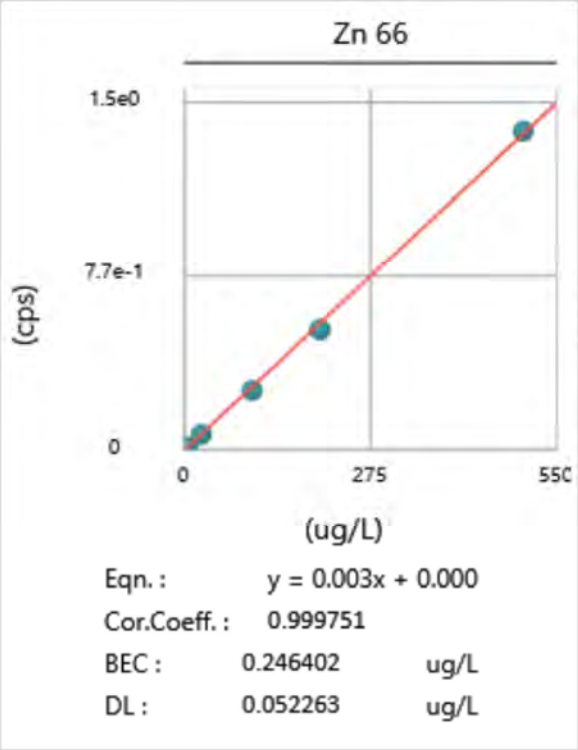
Eqn. : y = 0.017x + 0.000
Cor.Coeff. : 0.999578
BEC : 0.000071 ug/L
DL : 0.000186 ug/L

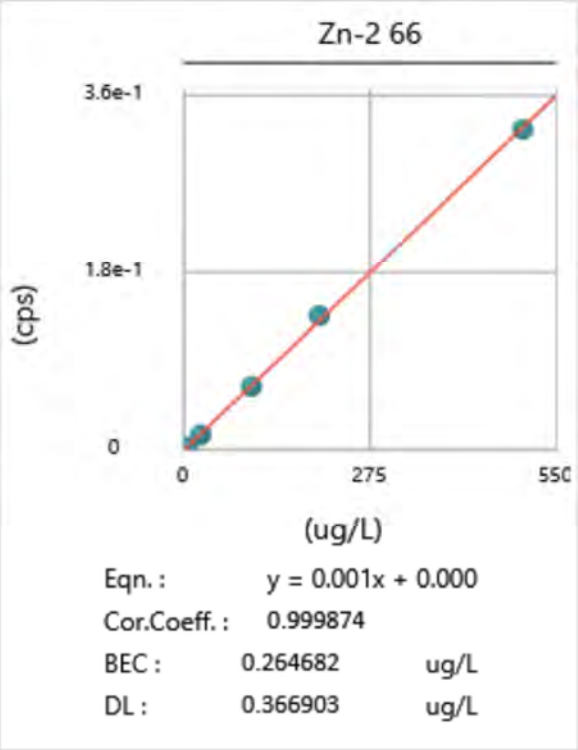


Eqn. : y = 0.030x + 0.000
Cor.Coeff. : 0.997201
BEC : 49.114378 ug/L
DL : 2.143670 ug/L



Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999976
BEC : 0.413672 ug/L
DL : 0.113994 ug/L


Zn 66
1.5e0
7.7e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999751
BEC : 0.246402 ug/L
DL : 0.052263 ug/L


Zn-2 66
3.6e-1
1.8e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999874
BEC : 0.264682 ug/L
DL : 0.366903 ug/L

Tunes

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 9/28/2021 9:59:19 AM
End Time: 9/28/2021 10:01:43 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 12808.61
Obtained Intensity (Mg 24): 75931.07
Obtained Intensity (In 115): 110060.79
Obtained Intensity (U 238): 60914.68
Obtained Intensity (Bkgd 220): 0.27
Obtained Formula (CeO 156 / Ce 140): 0.025 (=2784.87 / 111369.79)
Obtained Formula (Ce++ 70 / Ce 140): 0.022 (=2463.75 / 111369.79)
Obtained RSD (Be 9): 0.0112
Obtained RSD (Mg 24): 0.0215
Obtained RSD (In 115): 0.0182
Obtained RSD (U 238): 0.0136

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 9/28/2021 9:59:19 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 12808.61
Obtained Intensity (Mg 24): 75931.07
Obtained Intensity (In 115): 110060.79
Obtained Intensity (U 238): 60914.68
Obtained Intensity (Bkgd 220): 0.27
Obtained Formula (CeO 156 / Ce 140): 0.025 (=2784.87 / 111369.79)
Obtained Formula (Ce++ 70 / Ce 140): 0.022 (=2463.75 / 111369.79)
Obtained RSD (Be 9): 0.0112
Obtained RSD (Mg 24): 0.0215
Obtained RSD (In 115): 0.0182
Obtained RSD (U 238): 0.0136

[Passed] Optimum value(s): N/A

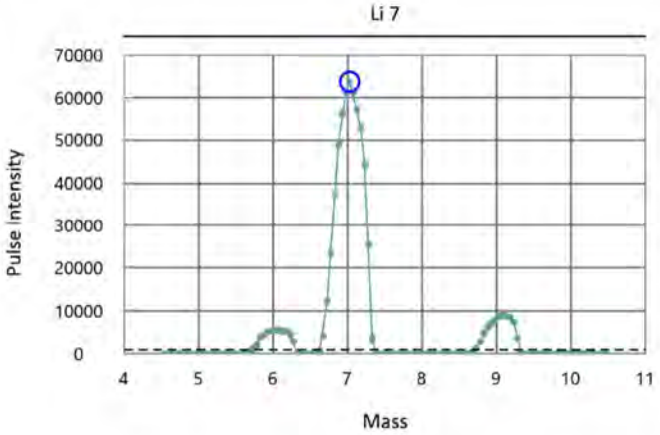
End Time: 9/28/2021 10:01:43 AM

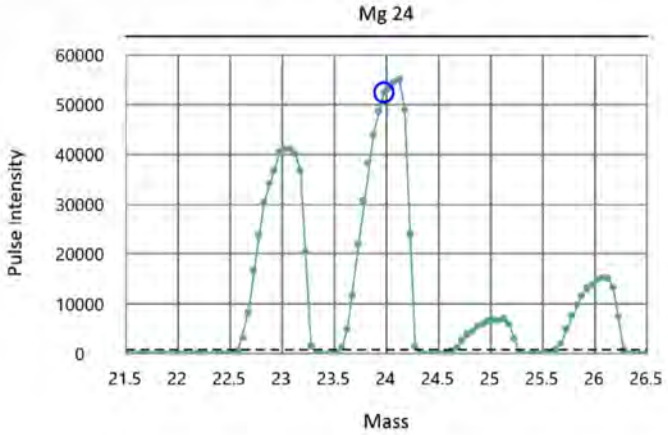
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.671)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.681)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.684)
Target/Obtained mass (207.977/208.025), Target/Obtained resolution (0.7/0.707)
Target/Obtained mass (238.05/238.025), Target/Obtained resolution (0.7/0.701)

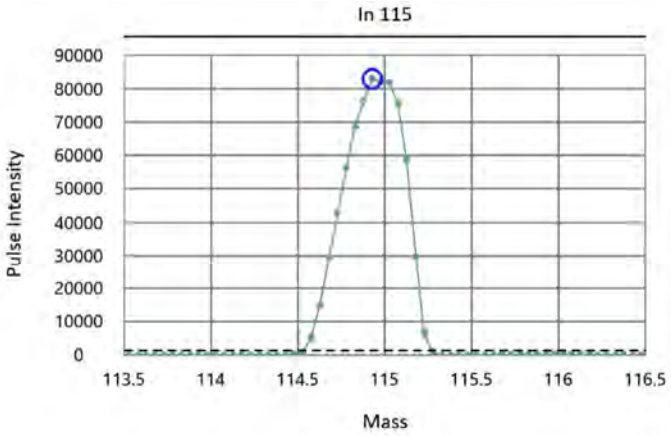
Acq. Date/Time: 9/28/2021 9:41:47 AM

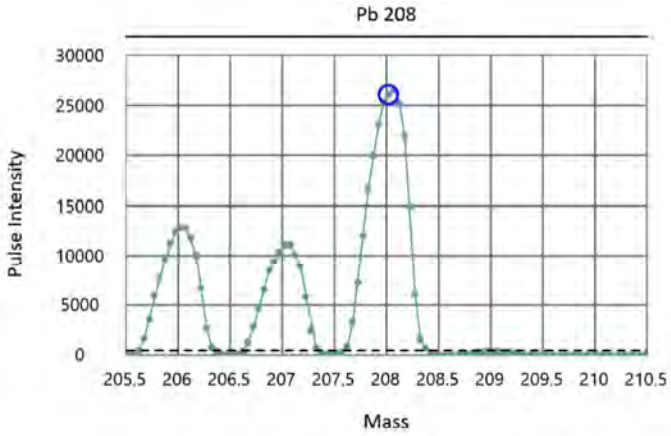
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

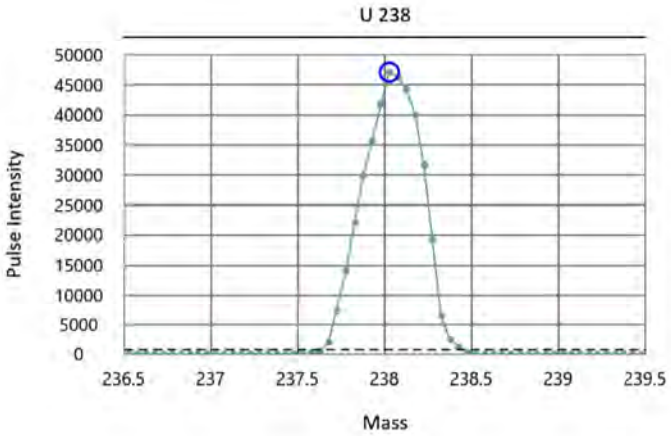
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1326	2022	0.671	
Mg	23.985	23.975	4714	2023	0.681	
In	114.904	114.925	22852	2041	0.684	
Pb	207.977	208.025	41424	2060	0.707	
U	238.05	238.025	47418	2067	0.701	











SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 9/29/2021 5:06:15 PM
End Time: 9/29/2021 5:08:39 PM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 7047.87
Obtained Intensity (Mg 24): 28936.76
Obtained Intensity (In 115): 50443.39
Obtained Intensity (U 238): 38812.67
Obtained Intensity (Bkgd 220): 0.73
Obtained Formula (CeO 156 / Ce 140): 0.022 (=1531.08 / 68755.45)
Obtained Formula (Ce++ 70 / Ce 140): 0.009 (=644.61 / 68755.45)
Obtained RSD (Be 9): 0.0215
Obtained RSD (Mg 24): 0.0293
Obtained RSD (In 115): 0.0182
Obtained RSD (U 238): 0.0195

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 9/29/2021 5:06:15 PM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 7047.87
Obtained Intensity (Mg 24): 28936.76
Obtained Intensity (In 115): 50443.39
Obtained Intensity (U 238): 38812.67
Obtained Intensity (Bkgd 220): 0.73
Obtained Formula (CeO 156 / Ce 140): 0.022 (=1531.08 / 68755.45)
Obtained Formula (Ce++ 70 / Ce 140): 0.009 (=644.61 / 68755.45)
Obtained RSD (Be 9): 0.0215
Obtained RSD (Mg 24): 0.0293
Obtained RSD (In 115): 0.0182
Obtained RSD (U 238): 0.0195

[Passed] Optimum value(s): N/A

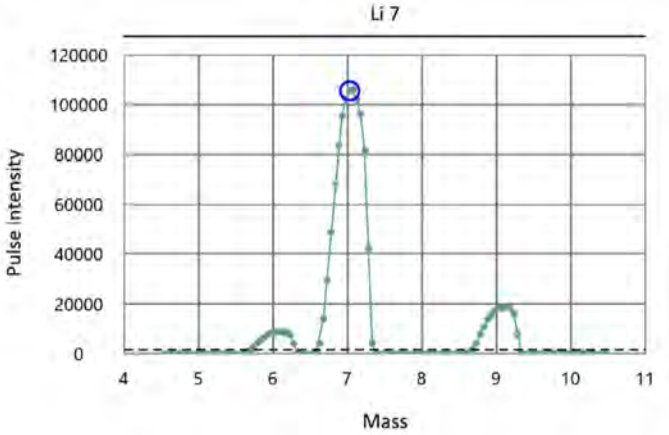
End Time: 9/29/2021 5:08:39 PM

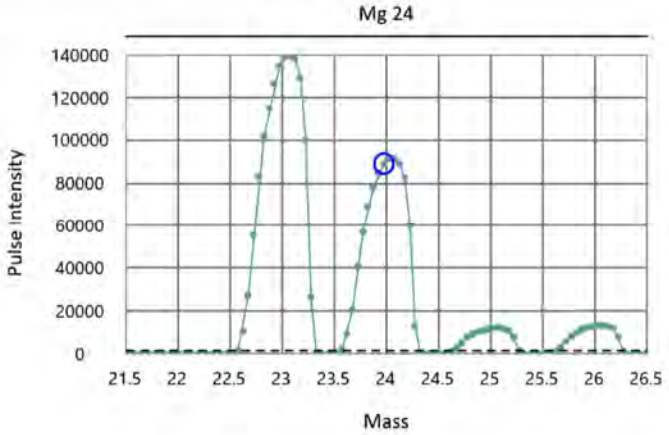
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.694)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.717)
Target/Obtained mass (114.904/114.875), Target/Obtained resolution (0.7/0.693)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.731)
Target/Obtained mass (238.05/238.025), Target/Obtained resolution (0.7/0.719)

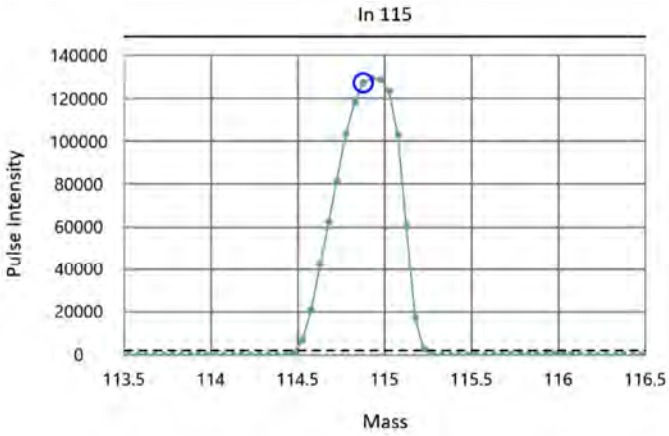
Acq. Date/Time: 9/29/2021 4:49:32 PM

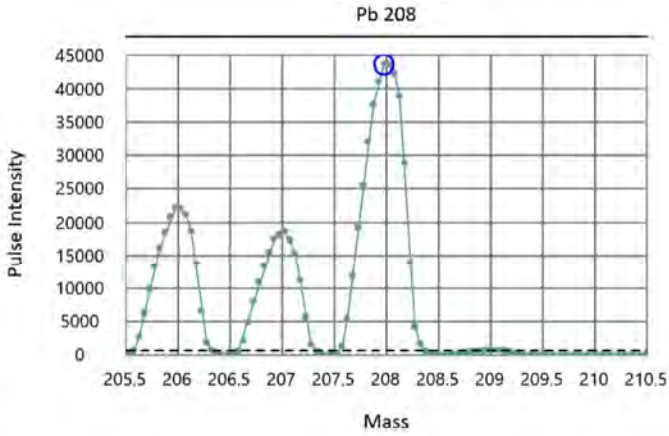
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

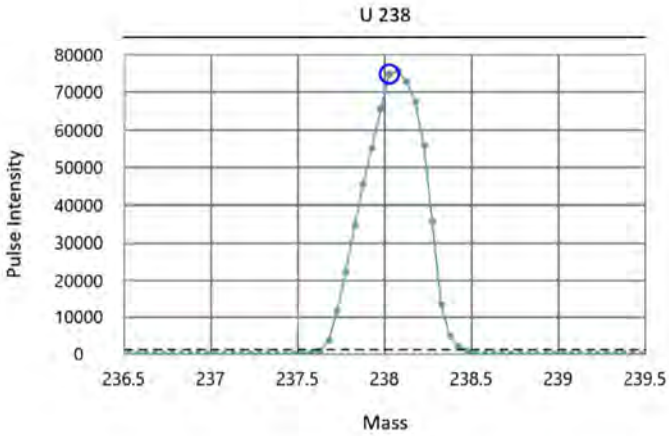
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1328	2022	0.694	
Mg	23.985	23.975	4710	2023	0.717	
In	114.904	114.875	22850	2041	0.693	
Pb	207.977	207.975	41422	2060	0.731	
U	238.05	238.025	47417	2067	0.719	











SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 9/30/2021 9:00:21 AM
End Time: 9/30/2021 9:02:41 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 8151.73
Obtained Intensity (Mg 24): 32650.74
Obtained Intensity (In 115): 53152.50
Obtained Intensity (U 238): 41583.84
Obtained Intensity (Bkgd 220): 0.17
Obtained Formula (CeO 156 / Ce 140): 0.021 (=1372.33 / 64764.55)
Obtained Formula (Ce++ 70 / Ce 140): 0.008 (=531.08 / 64764.55)
Obtained RSD (Be 9): 0.0126
Obtained RSD (Mg 24): 0.0146
Obtained RSD (In 115): 0.0081
Obtained RSD (U 238): 0.0128

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 9/30/2021 9:00:21 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 8151.73
Obtained Intensity (Mg 24): 32650.74
Obtained Intensity (In 115): 53152.50
Obtained Intensity (U 238): 41583.84
Obtained Intensity (Bkgd 220): 0.17
Obtained Formula (CeO 156 / Ce 140): 0.021 (=1372.33 / 64764.55)
Obtained Formula (Ce++ 70 / Ce 140): 0.008 (=531.08 / 64764.55)
Obtained RSD (Be 9): 0.0126
Obtained RSD (Mg 24): 0.0146
Obtained RSD (In 115): 0.0081
Obtained RSD (U 238): 0.0128

[Passed] Optimum value(s): N/A

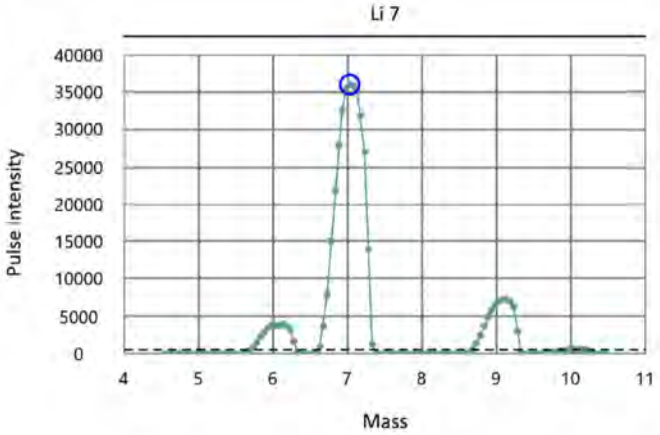
End Time: 9/30/2021 9:02:41 AM

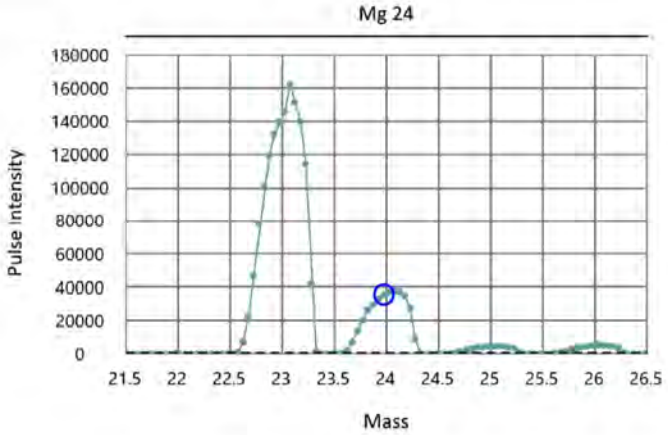
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.683)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.708)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.690)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.725)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.718)

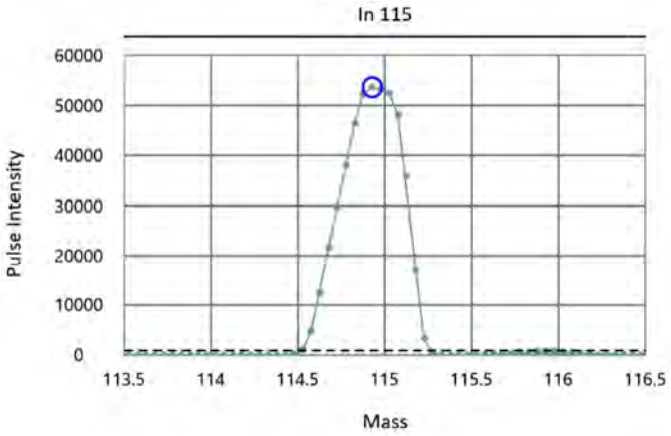
Acq. Date/Time: 9/30/2021 8:47:47 AM

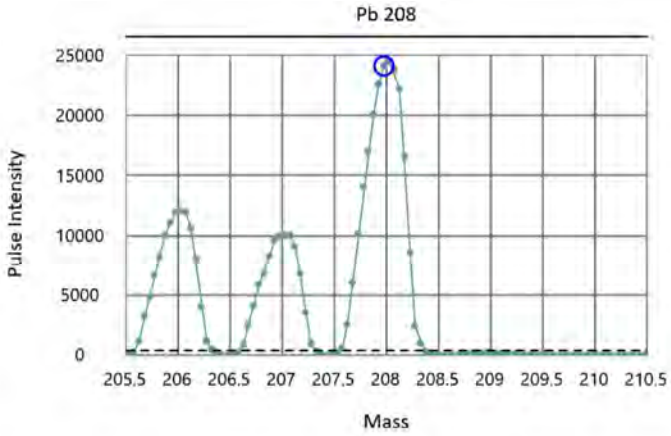
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

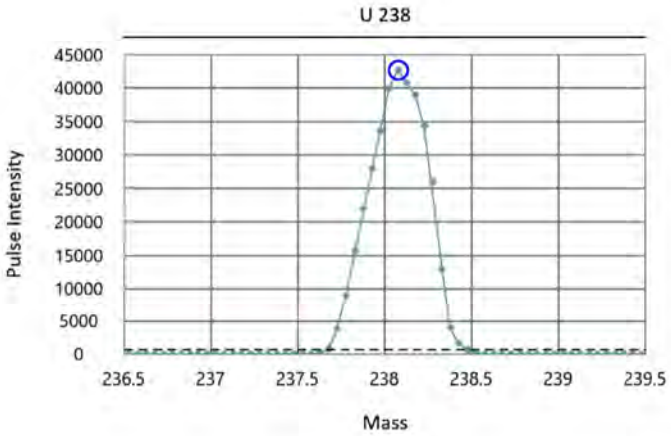
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1329	2022	0.683	
Mg	23.985	23.975	4708	2023	0.708	
In	114.904	114.925	22854	2041	0.690	
Pb	207.977	207.975	41421	2060	0.725	
U	238.05	238.075	47421	2067	0.718	











SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 10/11/2021 8:47:45 AM
End Time: 10/11/2021 8:50:05 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 8105.10
Obtained Intensity (Mg 24): 38194.01
Obtained Intensity (In 115): 53477.22
Obtained Intensity (U 238): 40949.50
Obtained Intensity (Bkgd 220): 0.57
Obtained Formula (CeO 156 / Ce 140): 0.020 (=1438.01 / 73306.37)
Obtained Formula (Ce++ 70 / Ce 140): 0.012 (=878.29 / 73306.37)
Obtained RSD (Be 9): 0.0285
Obtained RSD (Mg 24): 0.0209
Obtained RSD (In 115): 0.0233
Obtained RSD (U 238): 0.0235

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 10/11/2021 8:47:45 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 8105.10
Obtained Intensity (Mg 24): 38194.01
Obtained Intensity (In 115): 53477.22
Obtained Intensity (U 238): 40949.50
Obtained Intensity (Bkgd 220): 0.57
Obtained Formula (CeO 156 / Ce 140): 0.020 (=1438.01 / 73306.37)
Obtained Formula (Ce++ 70 / Ce 140): 0.012 (=878.29 / 73306.37)
Obtained RSD (Be 9): 0.0285
Obtained RSD (Mg 24): 0.0209
Obtained RSD (In 115): 0.0233
Obtained RSD (U 238): 0.0235

[Passed] Optimum value(s): N/A

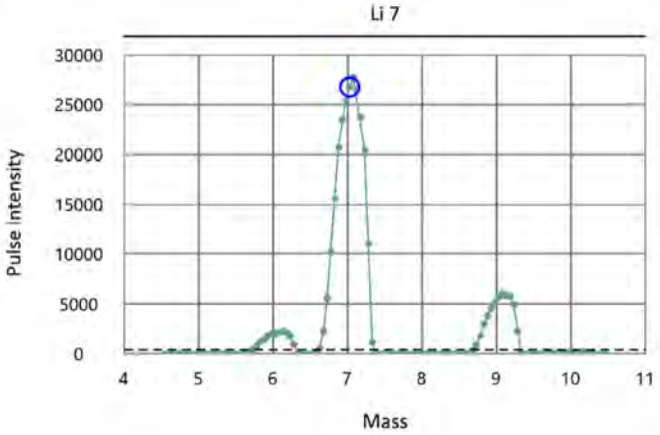
End Time: 10/11/2021 8:50:05 AM

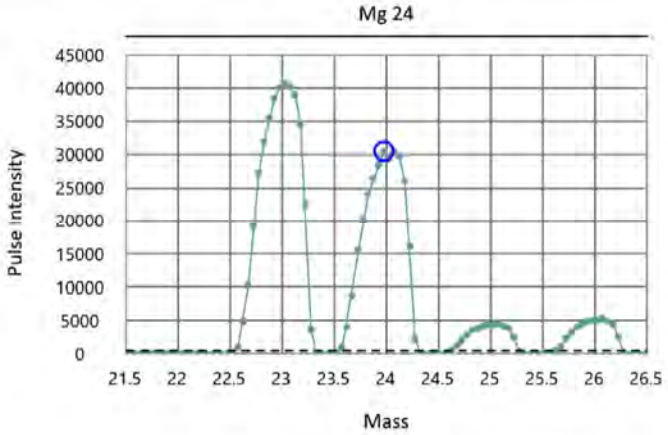
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.677)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.708)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.674)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.706)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.705)

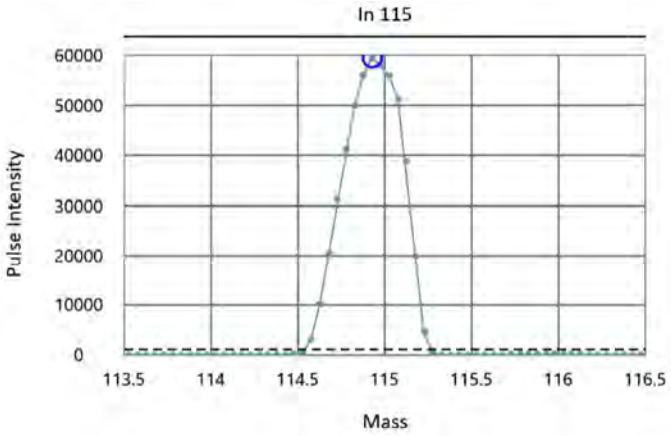
Acq. Date/Time: 10/11/2021 8:26:02 AM

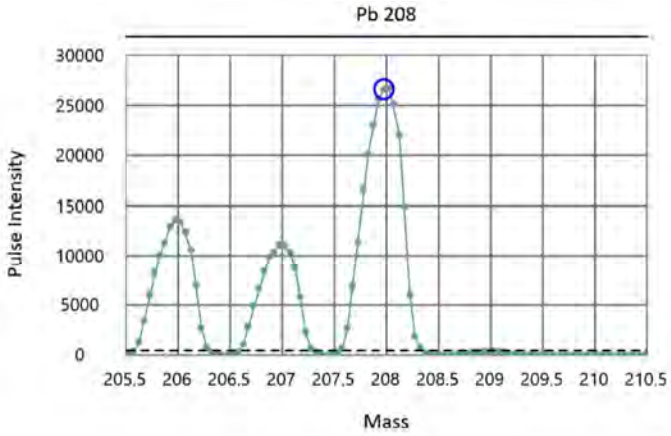
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

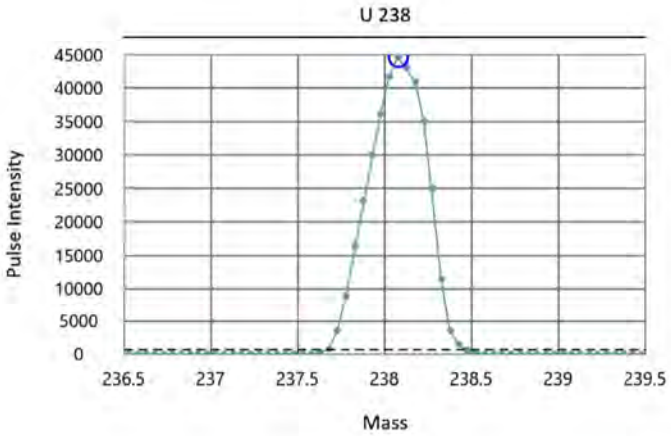
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1327	2022	0.677	
Mg	23.985	23.975	4712	2023	0.708	
In	114.904	114.925	22852	2041	0.674	
Pb	207.977	207.975	41424	2060	0.706	
U	238.05	238.075	47422	2067	0.705	











3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Shannon & Wilson
Ryan Peterson
400 N. 34th Street, Suite 100
Seattle, WA 98103

RE: 8801- Excavations
Work Order Number: 2109457

September 30, 2021

Attention Ryan Peterson:

Fremont Analytical, Inc. received 3 sample(s) on 9/28/2021 for the analyses presented in the following report.

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)
Sample Moisture (Percent Moisture)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

Date: *10/07/2021*

CLIENT: Shannon & Wilson
Project: 8801- Excavations
Work Order: 2109457

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109457-001	A2-SIDE7:2	09/27/2021 4:00 PM	09/28/2021 8:05 AM
2109457-002	A2-SIDE8:1.5	09/27/2021 4:15 PM	09/28/2021 8:05 AM
2109457-003	A2-SIDE11:2	09/27/2021 4:30 PM	09/28/2021 8:05 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Revision v1

Case Narrative

WO#: **2109457**
Date: **9/30/2021**

CLIENT: Shannon & Wilson
Project: 8801- Excavations

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

10/7/21: Revision 1 includes Level 2b data.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **2109457**
Date Reported: **9/30/2021**

Client: Shannon & Wilson
Collection Date: 9/27/2021 4:00:00 PM
Project: 8801- Excavations
Lab ID: 2109457-001
Matrix: Soil
Client Sample ID: **A2-SIDE7:2**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33857			Analyst: SB
Benz(a)anthracene	4.76	19.3	2.42	J	µg/Kg-dry	1	09/29/21 2:13:23
Chrysene	ND	38.5	6.98		µg/Kg-dry	1	09/29/21 2:13:23
Benzo(b)fluoranthene	ND	19.3	2.08		µg/Kg-dry	1	09/29/21 2:13:23
Benzo(k)fluoranthene	ND	19.3	2.61		µg/Kg-dry	1	09/29/21 2:13:23
Benzo(a)pyrene	ND	19.3	2.17		µg/Kg-dry	1	09/29/21 2:13:23
Indeno(1,2,3-cd)pyrene	ND	38.5	6.88		µg/Kg-dry	1	09/29/21 2:13:23
Dibenz(a,h)anthracene	ND	38.5	8.43		µg/Kg-dry	1	09/29/21 2:13:23
Surr: 2-Fluorobiphenyl	62.3	27.9 - 129			%Rec	1	09/29/21 2:13:23
Surr: Terphenyl-d14 (surr)	71.7	39.1 - 145	0		%Rec	1	09/29/21 2:13:23
Sample Moisture (Percent Moisture)				Batch ID: R70190			Analyst: ALB
Percent Moisture	8.08	0.500	0.100		wt%	1	09/28/21 13:59:31

Revision v1

Analytical Report

Work Order: **2109457**
Date Reported: **9/30/2021**

Client: Shannon & Wilson
Collection Date: 9/27/2021 4:15:00 PM
Project: 8801- Excavations
Lab ID: 2109457-002
Matrix: Soil
Client Sample ID: **A2-SIDE8:1.5**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33857			Analyst: SB
Benz(a)anthracene	6.78	23.8	2.99	J	µg/Kg-dry	1	09/29/21 2:34:38
Chrysene	ND	47.5	8.61		µg/Kg-dry	1	09/29/21 2:34:38
Benzo(b)fluoranthene	ND	23.8	2.57		µg/Kg-dry	1	09/29/21 2:34:38
Benzo(k)fluoranthene	ND	23.8	3.22		µg/Kg-dry	1	09/29/21 2:34:38
Benzo(a)pyrene	ND	23.8	2.67		µg/Kg-dry	1	09/29/21 2:34:38
Indeno(1,2,3-cd)pyrene	ND	47.5	8.48		µg/Kg-dry	1	09/29/21 2:34:38
Dibenz(a,h)anthracene	ND	47.5	10.4		µg/Kg-dry	1	09/29/21 2:34:38
Surr: 2-Fluorobiphenyl	49.5	27.9 - 129			%Rec	1	09/29/21 2:34:38
Surr: Terphenyl-d14 (surr)	57.7	39.1 - 145	0		%Rec	1	09/29/21 2:34:38
Sample Moisture (Percent Moisture)				Batch ID: R70190			Analyst: ALB
Percent Moisture	24.4	0.500	0.100		wt%	1	09/28/21 13:59:31

Analytical Report

Work Order: **2109457**
Date Reported: **9/30/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109457-003
Client Sample ID: **A2-SIDE11:2**

Collection Date: 9/27/2021 4:30:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33857			Analyst: SB
Benz(a)anthracene	5,070	199	25.1	D	µg/Kg-dry	10	09/29/21 14:41:14
Chrysene	4,930	399	72.3	D	µg/Kg-dry	10	09/29/21 14:41:14
Benzo(b)fluoranthene	3,380	19.9	2.16		µg/Kg-dry	1	09/29/21 2:56:02
Benzo(k)fluoranthene	4,070	19.9	2.70		µg/Kg-dry	1	09/29/21 2:56:02
Benzo(a)pyrene	4,970	199	22.4	D	µg/Kg-dry	10	09/29/21 14:41:14
Indeno(1,2,3-cd)pyrene	2,500	39.9	7.12		µg/Kg-dry	1	09/29/21 2:56:02
Dibenz(a,h)anthracene	1,310	39.9	8.72		µg/Kg-dry	1	09/29/21 2:56:02
Surr: 2-Fluorobiphenyl	68.3	27.9 - 129			%Rec	1	09/29/21 2:56:02
Surr: Terphenyl-d14 (surr)	76.8	39.1 - 145	0		%Rec	1	09/29/21 2:56:02
Sample Moisture (Percent Moisture)				Batch ID: R70190			Analyst: ALB
Percent Moisture	7.26	0.500	0.100		wt%	1	09/28/21 13:59:31

Work Order: 2109457
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **PAH ICB** SampType: **ICB** Units: **µg/L** Prep Date: **8/23/2021** RunNo: **70204**
Client ID: **ICB** Batch ID: **R69441** Analysis Date: **8/23/2021** SeqNo: **1406963**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	ND	20.0									
Chrysene	ND	40.0									
Benzo(b)fluoranthene	ND	20.0									
Benzo(k)fluoranthene	ND	20.0									
Benzo(a)pyrene	ND	20.0									
Indeno(1,2,3-cd)pyrene	ND	40.0									
Dibenz(a,h)anthracene	ND	40.0									
Surr: 2-Fluorobiphenyl	474		500.0		94.8	50.4	142				
Surr: Terphenyl-d14 (surr)	505		500.0		101	48.8	157				

Sample ID: **PAH ICV** SampType: **ICV** Units: **µg/L** Prep Date: **8/23/2021** RunNo: **70204**
Client ID: **ICV** Batch ID: **R69441** Analysis Date: **8/23/2021** SeqNo: **1406964**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,030	20.0	1,000	0	103	70	130				
Chrysene	1,040	40.0	1,000	0	104	70	130				
Benzo(b)fluoranthene	1,080	20.0	1,000	0	108	70	130				
Benzo(k)fluoranthene	1,040	20.0	1,000	0	104	70	130				
Benzo(a)pyrene	1,150	20.0	1,000	0	115	70	130				
Indeno(1,2,3-cd)pyrene	1,040	40.0	1,000	0	104	70	130				
Dibenz(a,h)anthracene	1,050	40.0	1,000	0	105	70	130				
Surr: 2-Fluorobiphenyl	524		500.0		105	60.9	160				
Surr: Terphenyl-d14 (surr)	524		500.0		105	62.2	159				

Sample ID: **CCV-33857** SampType: **CCV** Units: **µg/L** Prep Date: **9/28/2021** RunNo: **70204**
Client ID: **CCV** Batch ID: **33857** Analysis Date: **9/28/2021** SeqNo: **1424255**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	942	20.0	1,000	0	94.2	80	120				

Work Order: 2109457
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **CCV-33857** SampType: **CCV** Units: **µg/L** Prep Date: **9/28/2021** RunNo: **70204**
Client ID: **CCV** Batch ID: **33857** Analysis Date: **9/28/2021** SeqNo: **1424255**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	976	40.0	1,000	0	97.6	80	120				
Benzo(b)fluoranthene	873	20.0	1,000	0	87.3	80	120				
Benzo(k)fluoranthene	1,080	20.0	1,000	0	108	80	120				
Benzo(a)pyrene	967	20.0	1,000	0	96.7	80	120				
Indeno(1,2,3-cd)pyrene	1,020	40.0	1,000	0	102	80	120				
Dibenz(a,h)anthracene	1,000	40.0	1,000	0	100	80	120				
Surr: 2-Fluorobiphenyl	504		500.0		101	69.5	150				
Surr: Terphenyl-d14 (surr)	466		500.0		93.2	71.6	145				

Sample ID: **MB-33857** SampType: **MBLK** Units: **µg/Kg** Prep Date: **9/28/2021** RunNo: **70204**
Client ID: **MBLKS** Batch ID: **33857** Analysis Date: **9/29/2021** SeqNo: **1424256**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	ND	20.0									
Chrysene	ND	40.0									
Benzo(b)fluoranthene	ND	20.0									
Benzo(k)fluoranthene	ND	20.0									
Benzo(a)pyrene	ND	20.0									
Indeno(1,2,3-cd)pyrene	ND	40.0									
Dibenz(a,h)anthracene	ND	40.0									
Surr: 2-Fluorobiphenyl	742		1,000		74.2	27.9	129				
Surr: Terphenyl-d14 (surr)	870		1,000		87.0	39.1	145				

Sample ID: **LCS-33857** SampType: **LCS** Units: **µg/Kg** Prep Date: **9/28/2021** RunNo: **70204**
Client ID: **LCSS** Batch ID: **33857** Analysis Date: **9/29/2021** SeqNo: **1424257**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,760	20.0	2,000	0	87.9	64.4	113				
Chrysene	1,880	40.0	2,000	0	94.0	57.3	113				

Work Order: 2109457
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **LCS-33857** SampType: **LCS** Units: **µg/Kg** Prep Date: **9/28/2021** RunNo: **70204**
Client ID: **LCSS** Batch ID: **33857** Analysis Date: **9/29/2021** SeqNo: **1424257**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	1,770	20.0	2,000	0	88.4	58.2	115				
Benzo(k)fluoranthene	2,090	20.0	2,000	0	105	53.4	121				
Benzo(a)pyrene	2,070	20.0	2,000	0	104	64.7	125				
Indeno(1,2,3-cd)pyrene	1,890	40.0	2,000	0	94.3	61.6	113				
Dibenz(a,h)anthracene	1,940	40.0	2,000	0	97.0	62.1	116				
Surr: 2-Fluorobiphenyl	734		1,000		73.4	27.9	129				
Surr: Terphenyl-d14 (surr)	822		1,000		82.2	39.1	145				

Sample ID: **2109457-003AMS** SampType: **MS** Units: **µg/Kg-dry** Prep Date: **9/28/2021** RunNo: **70204**
Client ID: **A2-SIDE11:2** Batch ID: **33857** Analysis Date: **9/29/2021** SeqNo: **1424265**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	4,150	18.8	1,879	5,062	-48.3	45	110				S
Chrysene	4,400	37.6	1,879	5,216	-43.4	42.4	106				S
Benzo(b)fluoranthene	3,700	18.8	1,879	3,384	16.7	43.7	108				S
Benzo(k)fluoranthene	3,770	18.8	1,879	4,066	-15.9	39.5	113				S
Benzo(a)pyrene	4,630	18.8	1,879	5,112	-25.6	44.1	122				S
Indeno(1,2,3-cd)pyrene	3,050	37.6	1,879	2,503	29.1	40.2	109				S
Dibenz(a,h)anthracene	2,450	37.6	1,879	1,310	60.4	31.4	126				
Surr: 2-Fluorobiphenyl	686		939.3		73.0	27.9	129				
Surr: Terphenyl-d14 (surr)	780		939.3		83.0	39.1	145				

NOTES:
S - Analyte concentration was too high for accurate spike recovery(ies).

Sample ID: **2109457-003AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **9/28/2021** RunNo: **70204**
Client ID: **A2-SIDE11:2** Batch ID: **33857** Analysis Date: **9/29/2021** SeqNo: **1424266**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	2,030	21.3	2,127	5,062	-142	45	110	4,155	68.5	30	RS
Chrysene	2,060	42.5	2,127	5,216	-148	42.4	106	4,400	72.5	30	RS

Work Order: 2109457
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **2109457-003AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **9/28/2021** RunNo: **70204**
Client ID: **A2-SIDE11:2** Batch ID: **33857** Analysis Date: **9/29/2021** SeqNo: **1424266**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	2,250	21.3	2,127	3,384	-53.4	43.7	108	3,699	48.8	30	RS
Benzo(k)fluoranthene	2,240	21.3	2,127	4,066	-85.6	39.5	113	3,767	50.7	30	RS
Benzo(a)pyrene	2,270	21.3	2,127	5,112	-133	44.1	122	4,632	68.3	30	RS
Indeno(1,2,3-cd)pyrene	1,900	42.5	2,127	2,503	-28.2	40.2	109	3,050	46.3	30	RS
Dibenz(a,h)anthracene	1,830	42.5	2,127	1,310	24.4	31.4	126	2,446	28.9	30	S
Surr: 2-Fluorobiphenyl	665		1,063		62.5	27.9	129		0		
Surr: Terphenyl-d14 (surr)	755		1,063		71.0	39.1	145		0		

NOTES:
S - Analyte concentration was too high for accurate spike recovery(ies).
R - High RPD indicates matrix interference.

Sample ID: **CCV-33857** SampType: **CCV** Units: **µg/L** Prep Date: **9/29/2021** RunNo: **70204**
Client ID: **CCV** Batch ID: **33857** Analysis Date: **9/29/2021** SeqNo: **1424820**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	901	20.0	1,000	0	90.1	80	120				
Chrysene	860	40.0	1,000	0	86.0	80	120				
Benzo(b)fluoranthene	820	20.0	1,000	0	82.0	80	120				
Benzo(k)fluoranthene	926	20.0	1,000	0	92.6	80	120				
Benzo(a)pyrene	877	20.0	1,000	0	87.7	80	120				
Indeno(1,2,3-cd)pyrene	897	40.0	1,000	0	89.7	80	120				
Dibenz(a,h)anthracene	886	40.0	1,000	0	88.6	80	120				
Surr: 2-Fluorobiphenyl	442		500.0		88.3	69.5	150				
Surr: Terphenyl-d14 (surr)	437		500.0		87.4	71.6	145				

Sample Log-In Check List

Client Name:	**SW**	Work Order Number:	**2109457**
Logged by:	**Gabrielle Coeuille**	Date Received:	**9/28/2021 8:05:00 AM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >2°C to 6°C *	Yes ☑	No ☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	5.2

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Client:	Shannon & Wilson	Date:	9/27/21 — Page: 1 of: 1
Address:	400 N. 34th St, Suite 100	Project Name:	8801-Excavations
City, State, Zip:	Seattle, WA 98103	Project No:	103485-008
Telephone:		Collected by:	Ryan Petersen
Fax:		Location:	Tukwila, WA
		Report To (PM):	Ryan Petersen
		PM Email:	ARP@shanwil.com

Laboratory Project No (internal): 2109457

Special Remarks: Refer to project methods and analytes list.

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) / Dissolved (D)	Anions (IC)***	EDB (8011)	cPAHs			Comments
1	A2-SIDE7:2	9/27	1600	S	1													X			
2	A2-SIDE8:1.5	↓	1615	↓	1													X			
3	A2-SIDE11:2		1630		1													X			
4																					
5																					
6																					
7																					
8																					
9																					
10																					

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time: ☐ Standard ☐ Next Day ☐ 3 Day ☐ Same Day ☒ 2 Day ____ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x [signature]	Ryan Petersen	9/27/21 2130	x [signature]	Overthow	9/28/21 0805
x			x		

DATA SET for Review -- Deliverable Requirements

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Fremont Analytical Work Order No. 2109457

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Injection Log

Data Directory: C:\GC-14\Data\2021\082321\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	082301.D	PAH-SIM.M			
co			2	1.000	23 Aug 2021 08:14 am
2)	082302.D	SEMI9.M			
TUNE			1	1.000	23 Aug 2021 08:35 am
3)	082303.D	PAH-SIM.M			
CCV-			2	1.000	23 Aug 2021 08:57 am
4)	082304.D	PAH-SIM.M			
PAH 10			12	1.000	23 Aug 2021 09:38 am
5)	082305.D	PAH-SIM.M			
PAH 20			13	1.000	23 Aug 2021 09:59 am
6)	082306.D	PAH-SIM.M			
PAH 40			14	1.000	23 Aug 2021 10:21 am
7)	082307.D	PAH-SIM.M			
PAH 100			15	1.000	23 Aug 2021 10:42 am
8)	082308.D	PAH-SIM.M			
PAH 200			16	1.000	23 Aug 2021 11:04 am
9)	082309.D	PAH-SIM.M			
PAH 500			17	1.000	23 Aug 2021 11:25 am
10)	082310.D	PAH-SIM.M			
PAH 750			18	1.000	23 Aug 2021 11:47 am
11)	082311.D	PAH-SIM.M			
PAH 1000			19	1.000	23 Aug 2021 12:09 pm
12)	082312.D	PAH-SIM.M			
PAH 2000			20	1.000	23 Aug 2021 12:30 pm
13)	082313.D	PAH-SIM.M			
PAH 5000			21	1.000	23 Aug 2021 12:52 pm
14)	082314.D	PAH-SIM.M			
PAH ICB			22	1.000	23 Aug 2021 01:14 pm
15)	082315.D	PAH-SIM.M			
PAH ICV			23	1.000	23 Aug 2021 01:35 pm
16)	082316.D	PAH-SIM.M			
CO			2	1.000	23 Aug 2021 01:57 pm
17)	082317.D	PAH-LOWLEVEL.M			
PAH LL 2			11	1.000	23 Aug 2021 02:19 pm
18)	082318.D	PAH-LOWLEVEL.M			
PAH LL 10			12	1.000	23 Aug 2021 02:40 pm
19)	082319.D	PAH-LOWLEVEL.M			
PAH LL 20			13	1.000	23 Aug 2021 03:02 pm
20)	082320.D	PAH-LOWLEVEL.M			
PAH LL 40			14	1.000	23 Aug 2021 03:23 pm
21)	082321.D	PAH-LOWLEVEL.M			
PAH LL 100			15	1.000	23 Aug 2021 03:45 pm

22) 082322.D PAH-LOWLEVEL.M
PAH LL 200 16 1.000 23 Aug 2021 04:07 pm

---

23) 082323.D PAH-LOWLEVEL.M
PAH LL 500 17 1.000 23 Aug 2021 04:28 pm

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24) 082324.D PAH-LOWLEVEL.M
PAH LL 750 18 1.000 23 Aug 2021 04:50 pm

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25) 082325.D PAH-LOWLEVEL.M
PAH LL 1000 19 1.000 23 Aug 2021 05:11 pm

---

26) 082326.D PAH-LOWLEVEL.M
PAH LL 2000 20 1.000 23 Aug 2021 05:33 pm

---

27) 082327.D PAH-LOWLEVEL.M
PAH LL 5000 21 1.000 23 Aug 2021 05:55 pm

---

28) 082328.D PAH-LOWLEVEL.M
PAH LL ICB 22 1.000 23 Aug 2021 06:16 pm

---

29) 082329.D PAH-LOWLEVEL.M
PAH LL ICV 23 1.000 23 Aug 2021 06:38 pm

Injection Log

Data Directory: C:\GC-14\Data\2021\092821\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 092801.D	8270E_SIM_625.M			
CO		11	1.000	28 Sep 2021 11:23 am
2) 092802.D	8270E_SIM_625.M			
CO		11	1.000	28 Sep 2021 11:45 am
3) 092803.D	8270E_SCAN_625.M			
TUNE		1	1.000	28 Sep 2021 12:06 pm
4) 092804.D	8270E_SIM_625.M			
SIM CHECK		2	1.000	28 Sep 2021 12:28 pm
5) 092805.D	8270E_SIM_625.M			
CO		11	1.000	28 Sep 2021 03:02 pm
6) 092806.D	8270E_SIM_625.M			
CO		11	1.000	28 Sep 2021 03:23 pm
7) 092807.D	8270E_SIM_625.M			
CO		10	1.000	28 Sep 2021 03:53 pm
8) 092808.D	8270E_SIM_625.M			
CO		10	1.000	28 Sep 2021 04:15 pm
9) 092809.D	8270E_SIM_625.M			
CO		10	1.000	28 Sep 2021 04:36 pm
10) 092810.D	8270E_SIM_625.M			
CO		10	1.000	28 Sep 2021 04:58 pm
11) 092811.D	8270E_SIM_625.M			
CO		10	1.000	28 Sep 2021 05:19 pm
12) 092812.D	8270E_SIM_625.M			
CO		10	1.000	28 Sep 2021 05:40 pm
13) 092813.D	8270E_SIM_625.M			
CO		10	1.000	28 Sep 2021 06:02 pm
14) 092814.D	8270E_SIM_625.M			
CO		10	1.000	28 Sep 2021 06:23 pm
15) 092815.D	8270E_SIM_625.M			
CO		10	1.000	28 Sep 2021 06:45 pm
16) 092816.D	8270E_SIM_625.M			
CO		10	1.000	28 Sep 2021 07:06 pm
17) 092817.D	8270E_SIM_625.M			
CCV-33857		2	1.000	28 Sep 2021 07:27 pm
18) 092818.D	8270E_SIM_625.M			
MB-33844		51	1.000	28 Sep 2021 07:49 pm
19) 092819.D	8270E_SIM_625.M			
LCS-33844		52	1.000	28 Sep 2021 08:10 pm
20) 092820.D	8270E_SIM_625.M			
LCSD-33844		53	1.000	28 Sep 2021 08:32 pm
21) 092821.D	8270E_SIM_625.M			
2109359-001A		54	1.000	28 Sep 2021 08:53 pm

22) 092822.D 8270E_SIM_625.M
2109359-001AMS 55 1.000 28 Sep 2021 09:14 pm
---
23) 092823.D 8270E_SIM_625.M
2109390-011D 56 1.000 28 Sep 2021 09:36 pm
---
24) 092824.D 8270E_SIM_625.M
2109397-003B 57 1.000 28 Sep 2021 09:57 pm
---
25) 092825.D 8270E_SIM_625.M
2109397-006B 58 1.000 28 Sep 2021 10:18 pm
---
26) 092826.D 8270E_SIM_625.M
2109405-001B 59 1.000 28 Sep 2021 10:39 pm
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27) 092827.D 8270E_SIM_625.M
2109408-009E 60 1.000 28 Sep 2021 11:01 pm
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28) 092828.D 8270E_SIM_625.M
2109408-012E 61 1.000 28 Sep 2021 11:22 pm
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29) 092829.D 8270E_SIM_625.M
2109411-002C 62 1.000 28 Sep 2021 11:44 pm
---
30) 092830.D 8270E_SIM_625.M
MB-33857 31 1.000 29 Sep 2021 12:05 am
---
31) 092831.D 8270E_SIM_625.M
LCS-33857 32 1.000 29 Sep 2021 12:26 am
---
32) 092832.D 8270E_SIM_625.M
2109456-001A 33 1.000 29 Sep 2021 12:48 am
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33) 092833.D 8270E_SIM_625.M
2109456-002A 34 1.000 29 Sep 2021 01:09 am
---
34) 092834.D 8270E_SIM_625.M
2109456-003A 35 1.000 29 Sep 2021 01:30 am
---
35) 092835.D 8270E_SIM_625.M
2109456-004A 36 1.000 29 Sep 2021 01:52 am
---
36) 092836.D 8270E_SIM_625.M
2109457-001A 37 1.000 29 Sep 2021 02:13 am
---
37) 092837.D 8270E_SIM_625.M
2109457-002A 38 1.000 29 Sep 2021 02:34 am
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38) 092838.D 8270E_SIM_625.M
2109457-003A 39 1.000 29 Sep 2021 02:56 am
---
39) 092839.D 8270E_SIM_625.M
2109457-003AMS 40 1.000 29 Sep 2021 03:17 am
---
40) 092840.D 8270E_SIM_625.M
2109457-003AMSD 41 1.000 29 Sep 2021 03:38 am
---
41) 092841.D 8270E_SIM_625.M
QCS-33857 2 1.000 29 Sep 2021 04:00 am
---
42) 092901.D 8270E_SIM_625.M
CO 10 1.000 29 Sep 2021 01:35 pm
---
43) 092902.D 8270E_SCAN_625.M
TUNE 1 1.000 29 Sep 2021 01:57 pm
---
44) 092903.D 8270E_SIM_625.M
CCV-33857 2 1.000 29 Sep 2021 02:19 pm
---
45) 092904.D 8270E_SIM_625.M

2109457-003A 10x 42 1.000 29 Sep 2021 02:41 pm

---

46) 092905.D 8270E_SIM_625.M

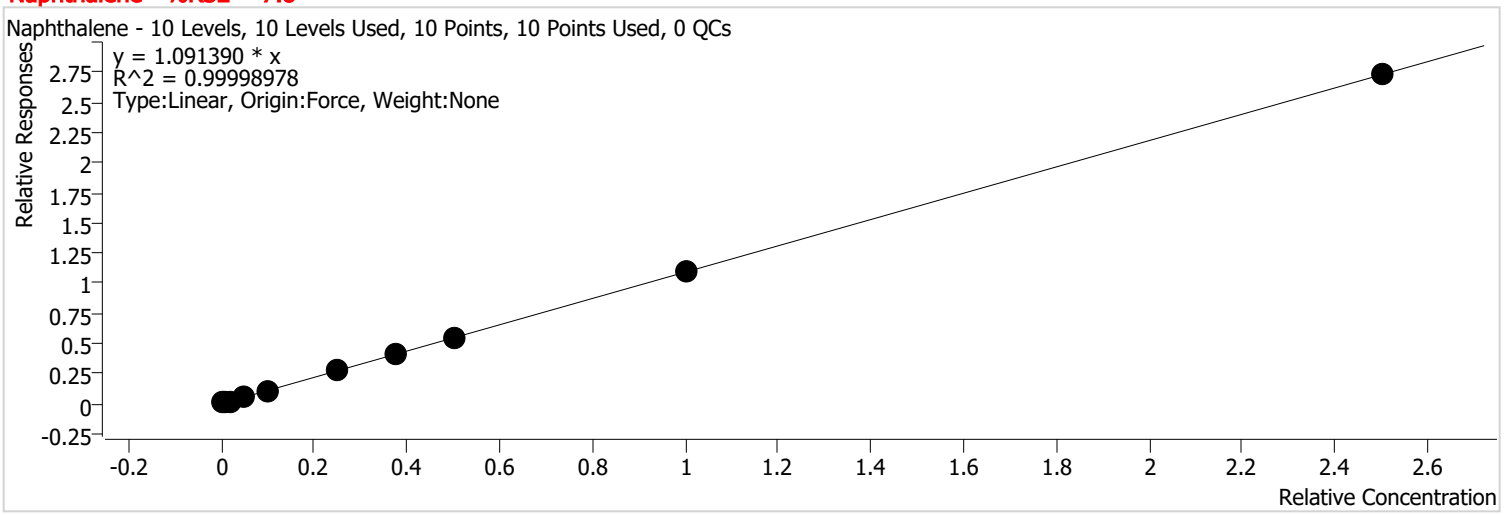
QCS-33857 2 1.000 29 Sep 2021 03:28 pm

Calibration

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:53 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Naphthalene %RSE = 7.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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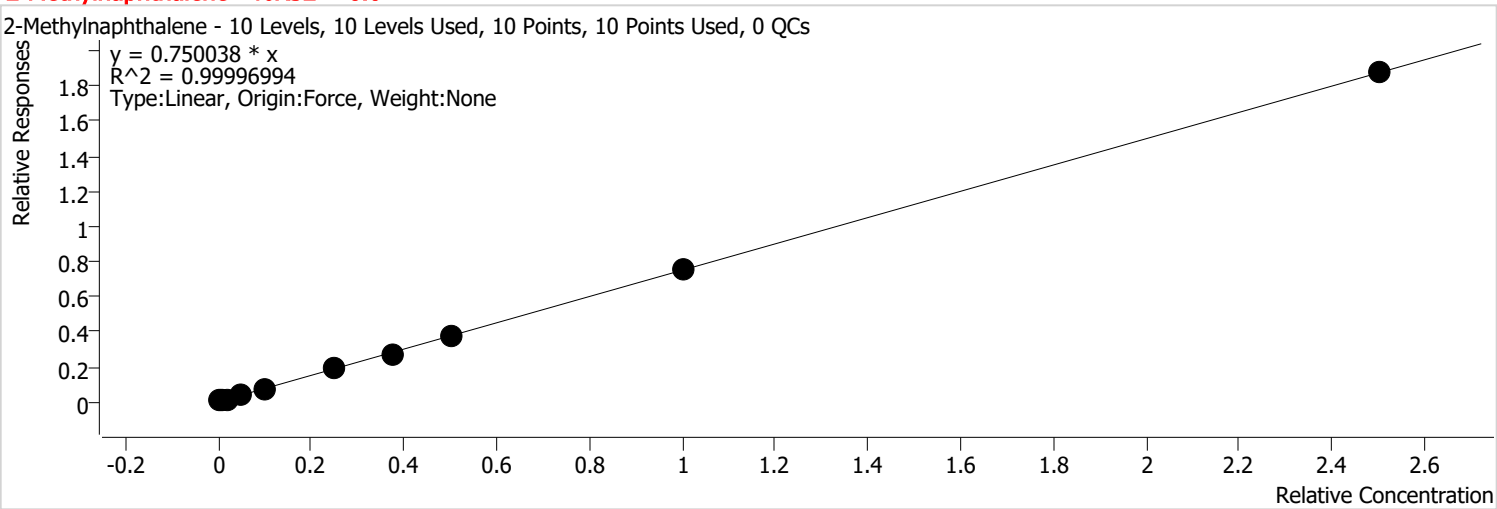
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	887	20.0000	1.2229	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1651	40.0000	1.2104	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3872	100.0000	1.1251	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	7971	200.0000	1.1282	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	20406	500.0000	1.1157	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	29917	750.0000	1.0885	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	40650	1000.0000	1.0924	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	83113	2000.0000	1.0897	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	205815	5000.0000	1.0914	

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Methylnaphthalene %RSE = 6.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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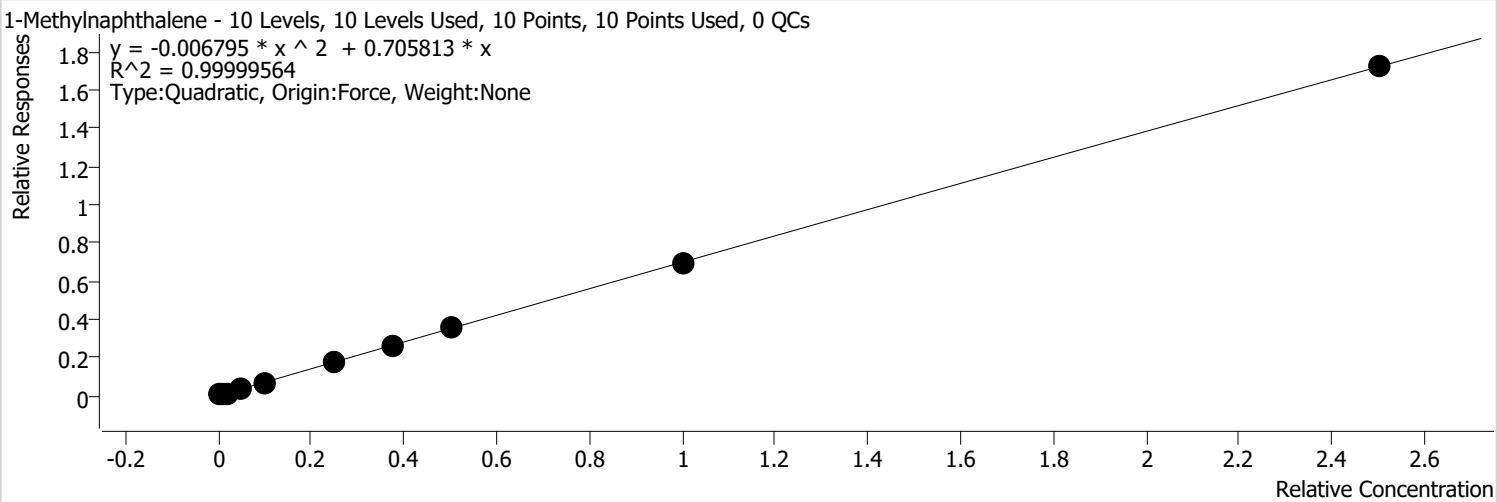
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	469	20.0000	0.6468	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1037	40.0000	0.7602	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2425	100.0000	0.7047	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5101	200.0000	0.7219	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	13625	500.0000	0.7450	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	20001	750.0000	0.7277	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	28064	1000.0000	0.7542	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	57289	2000.0000	0.7511	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	141499	5000.0000	0.7503	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1-Methylnaphthalene %RSE = 2.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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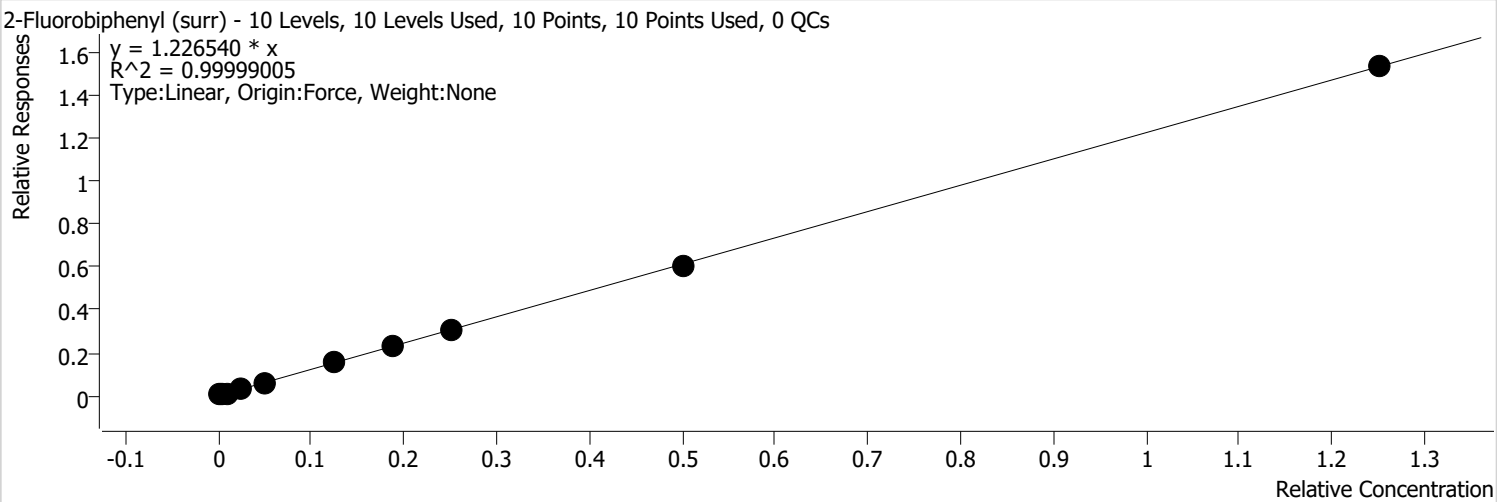
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	993	40.0000	0.7279	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2442	100.0000	0.7097	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5072	200.0000	0.7179	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	13003	500.0000	0.7109	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	19431	750.0000	0.7070	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	26181	1000.0000	0.7036	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	53165	2000.0000	0.6970	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	129920	5000.0000	0.6889	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

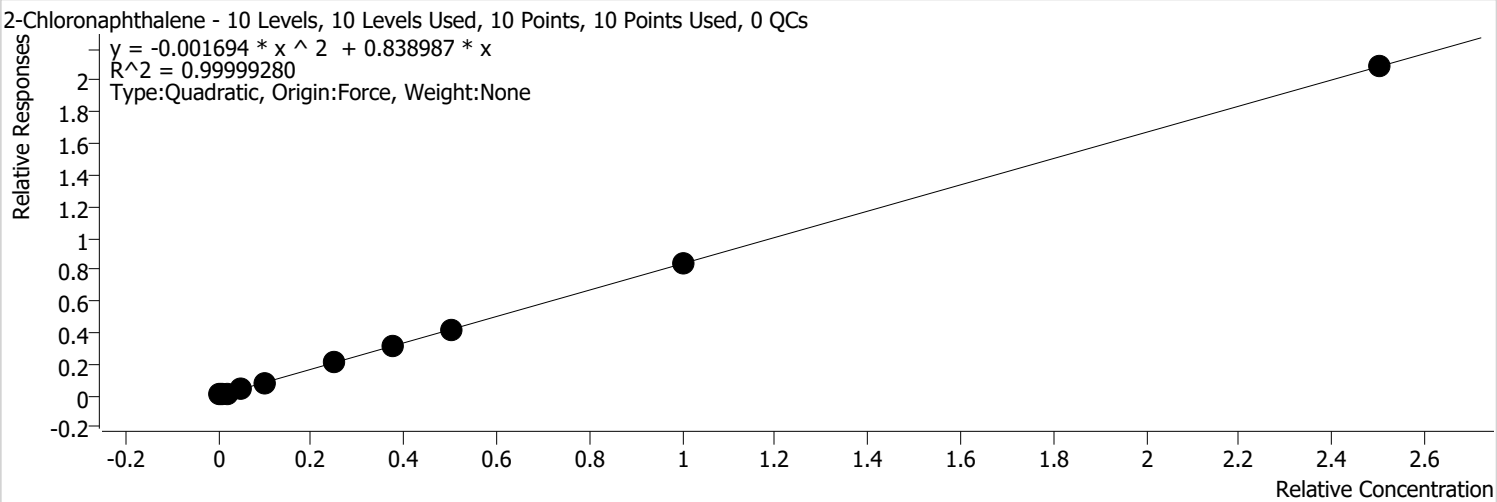
2-Fluorobiphenyl (surr) %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	231	5.0000	1.2959	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	459	10.0000	1.2652	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	878	20.0000	1.2880	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2123	50.0000	1.2340	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	4467	100.0000	1.2646	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	11437	250.0000	1.2507	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	16924	375.0000	1.2316	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	22912	500.0000	1.2315	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	46614	1000.0000	1.2223	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	115659	2500.0000	1.2266	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

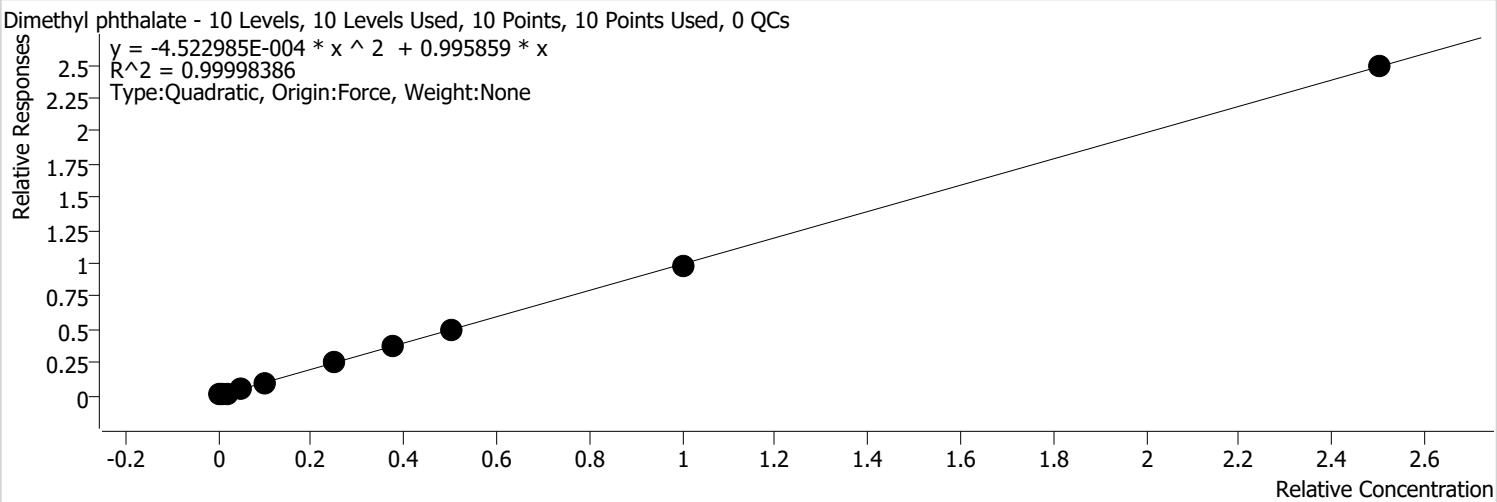
2-Chloronaphthalene %RSE = 2.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	312	10.0000	0.8747	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	598	20.0000	0.8252	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1141	40.0000	0.8365	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2799	100.0000	0.8132	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	6045	200.0000	0.8555	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	15491	500.0000	0.8469	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	22743	750.0000	0.8275	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	31282	1000.0000	0.8407	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	63893	2000.0000	0.8377	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	157418	5000.0000	0.8347	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

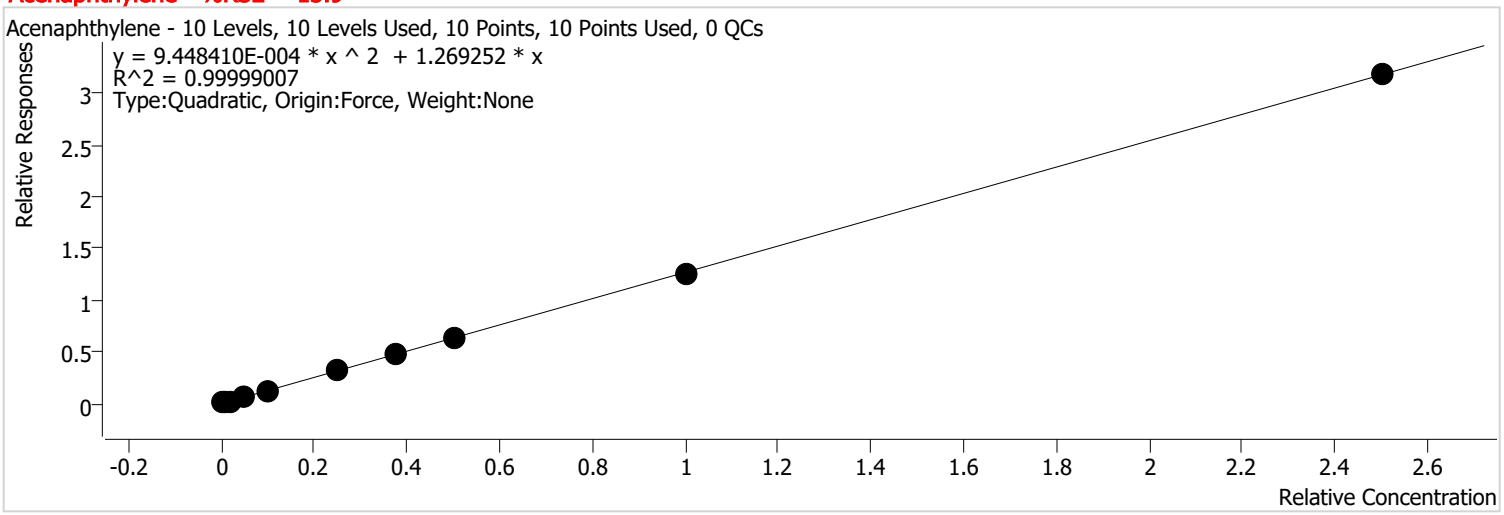
Dimethyl phthalate %RSE = 29.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	617	10.0000	1.7331	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	853	20.0000	1.1756	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1502	40.0000	1.1011	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3475	100.0000	1.0099	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	7239	200.0000	1.0246	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	18444	500.0000	1.0084	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	27735	750.0000	1.0092	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	37045	1000.0000	0.9956	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	75582	2000.0000	0.9909	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	187633	5000.0000	0.9950	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

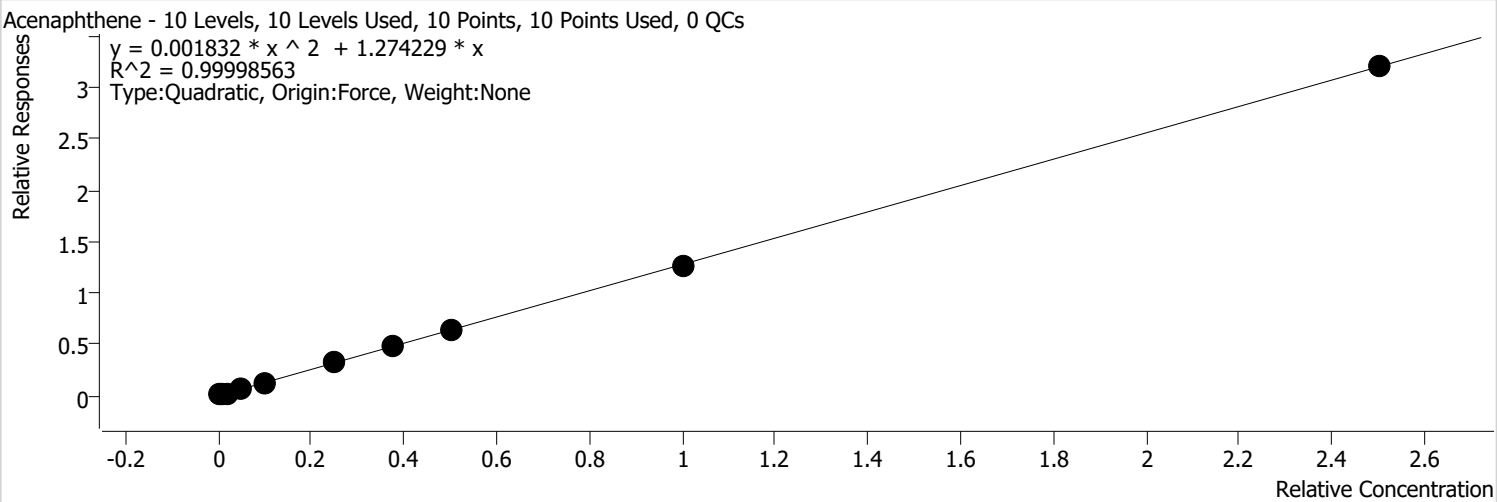
Acenaphthylene %RSE = 13.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	608	10.0000	1.7079	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1016	20.0000	1.4012	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1825	40.0000	1.3381	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4381	100.0000	1.2729	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	9258	200.0000	1.3103	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	23709	500.0000	1.2963	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	34978	750.0000	1.2727	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	47244	1000.0000	1.2697	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	96590	2000.0000	1.2663	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	239846	5000.0000	1.2718	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

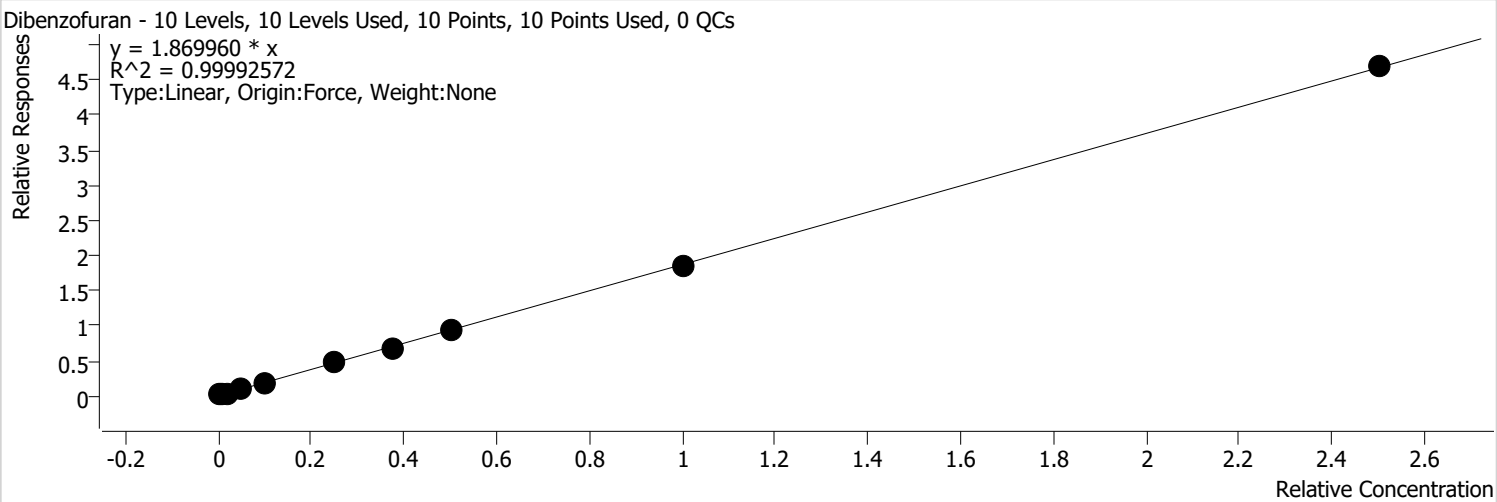
Acenaphthene %RSE = 10.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	366	10.0000	1.5902	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	639	20.0000	1.3598	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1253	40.0000	1.4221	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2911	100.0000	1.2930	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	6021	200.0000	1.3314	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	15393	500.0000	1.3054	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	22727	750.0000	1.2797	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	30437	1000.0000	1.2730	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	62549	2000.0000	1.2718	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	153217	5000.0000	1.2790	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

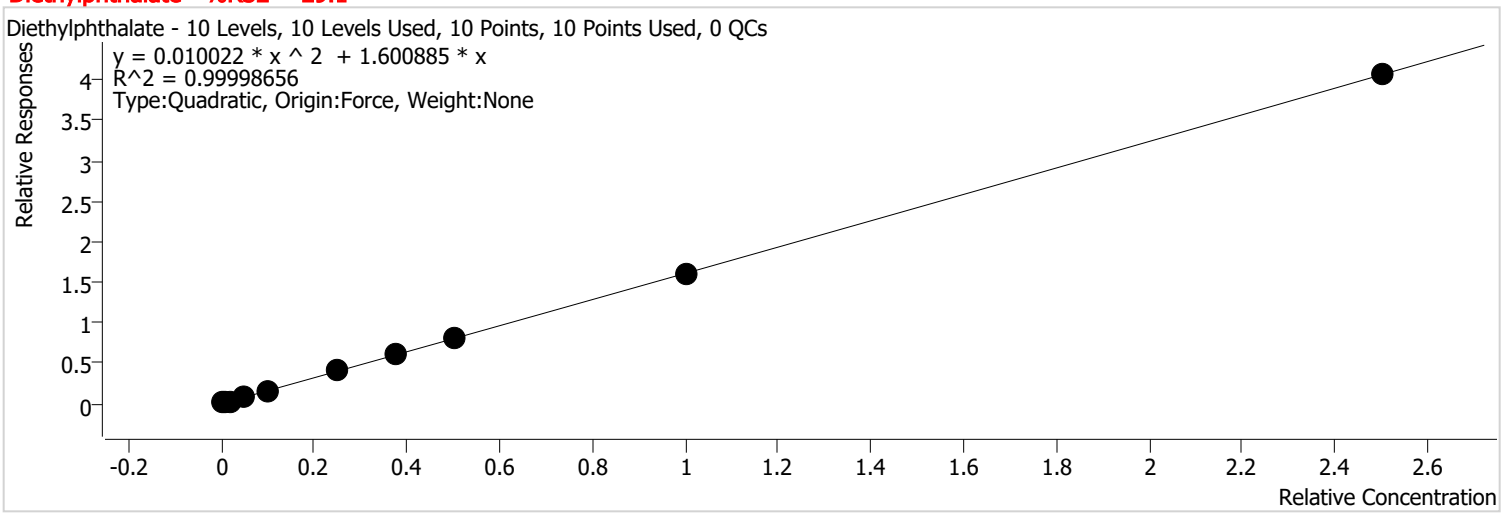
Dibenzofuran %RSE = 5.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	492	10.0000	2.1358	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	865	20.0000	1.8391	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1728	40.0000	1.9611	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4177	100.0000	1.8556	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	8631	200.0000	1.9086	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	22076	500.0000	1.8721	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	32142	750.0000	1.8098	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	44464	1000.0000	1.8597	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	90717	2000.0000	1.8446	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	224690	5000.0000	1.8757	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

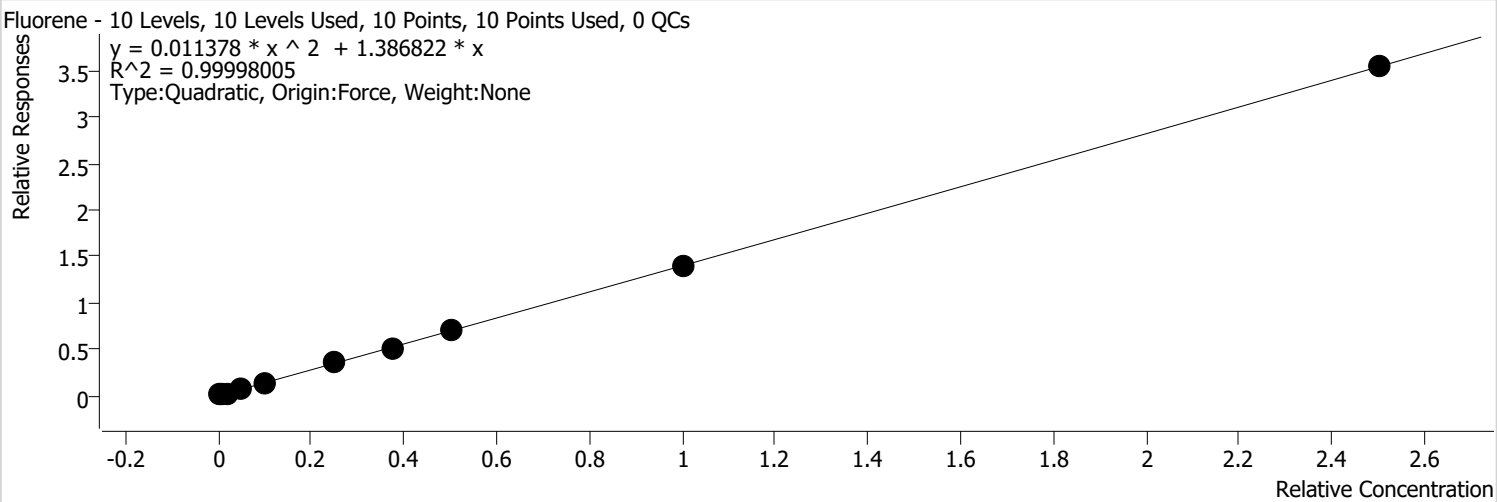
Diethylphthalate %RSE = 29.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	640	10.0000	2.7799	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	892	20.0000	1.8965	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1574	40.0000	1.7863	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3676	100.0000	1.6329	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	7501	200.0000	1.6586	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	19049	500.0000	1.6154	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	28468	750.0000	1.6029	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	38721	1000.0000	1.6195	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	78902	2000.0000	1.6043	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	194807	5000.0000	1.6262	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

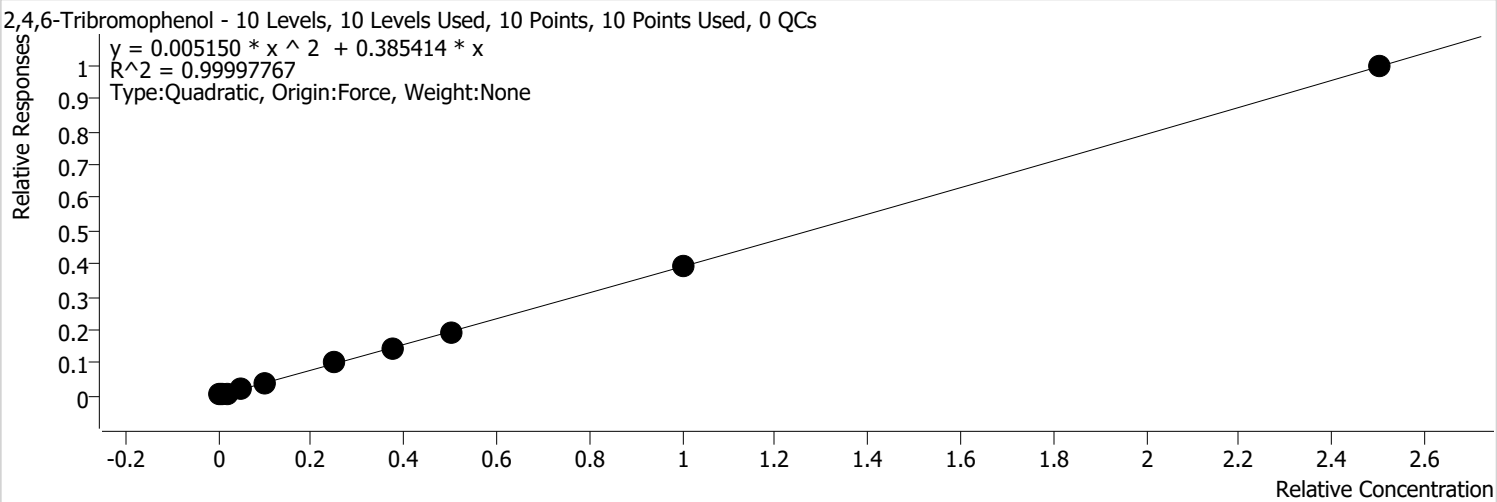
Fluorene %RSE = 7.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	371	10.0000	1.6105	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	679	20.0000	1.4436	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1307	40.0000	1.4836	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3155	100.0000	1.4014	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	6574	200.0000	1.4536	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	16642	500.0000	1.4113	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	24390	750.0000	1.3733	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	33683	1000.0000	1.4088	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	68514	2000.0000	1.3931	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	169562	5000.0000	1.4155	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

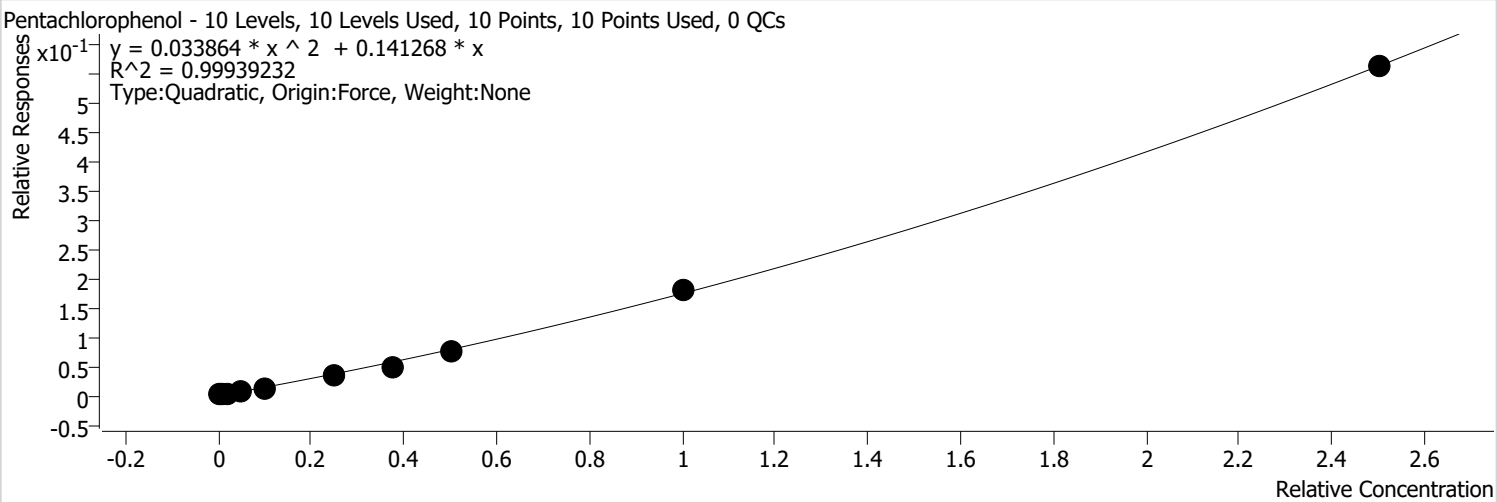
2,4,6-Tribromophenol %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	90	10.0000	0.3911	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	198	20.0000	0.4211	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	362	40.0000	0.4106	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	851	100.0000	0.3778	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	1784	200.0000	0.3945	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	4654	500.0000	0.3947	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	6708	750.0000	0.3777	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	9300	1000.0000	0.3890	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	19244	2000.0000	0.3913	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	47707	5000.0000	0.3983	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

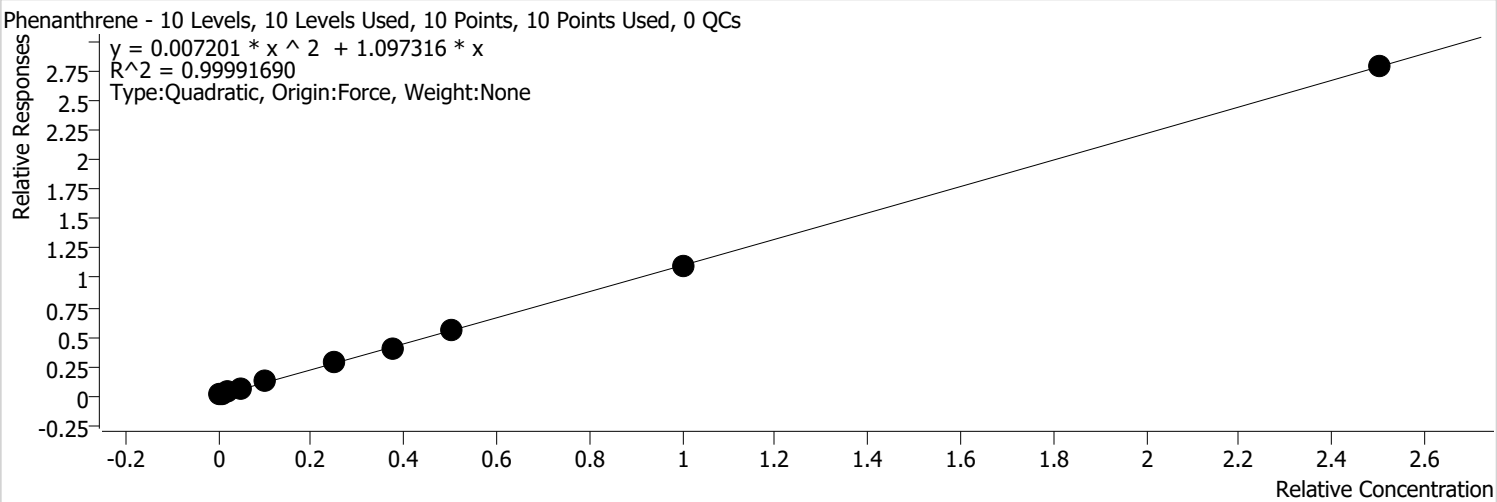
Pentachlorophenol %RSE = 22.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	42	10.0000	0.1826	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	95	20.0000	0.2025	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	141	40.0000	0.1602	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	281	100.0000	0.1247	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	577	200.0000	0.1276	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	1625	500.0000	0.1378	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	2353	750.0000	0.1325	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	3588	1000.0000	0.1501	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	9028	2000.0000	0.1836	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	27017	5000.0000	0.2255	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

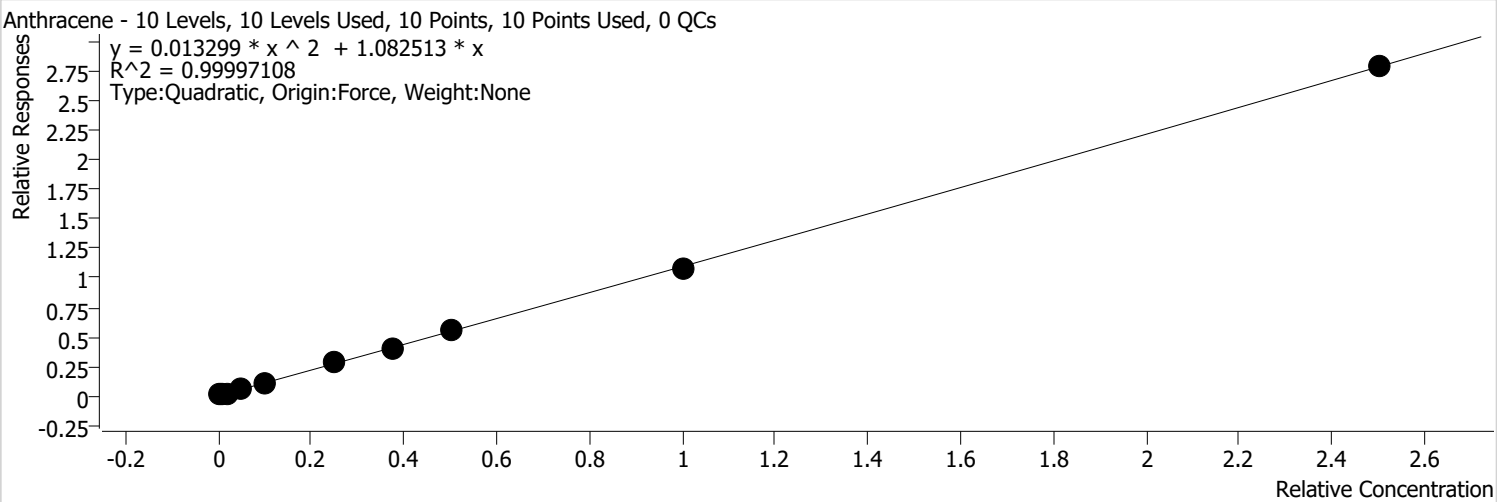
Phenanthrene %RSE = 71.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1361	10.0000	3.0404	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1525	20.0000	1.6683	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2559	40.0000	1.4926	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	5343	100.0000	1.2268	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	10482	200.0000	1.1712	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	26227	500.0000	1.1511	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	37632	750.0000	1.0930	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	52105	1000.0000	1.1097	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	106825	2000.0000	1.0960	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	263021	5000.0000	1.1158	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

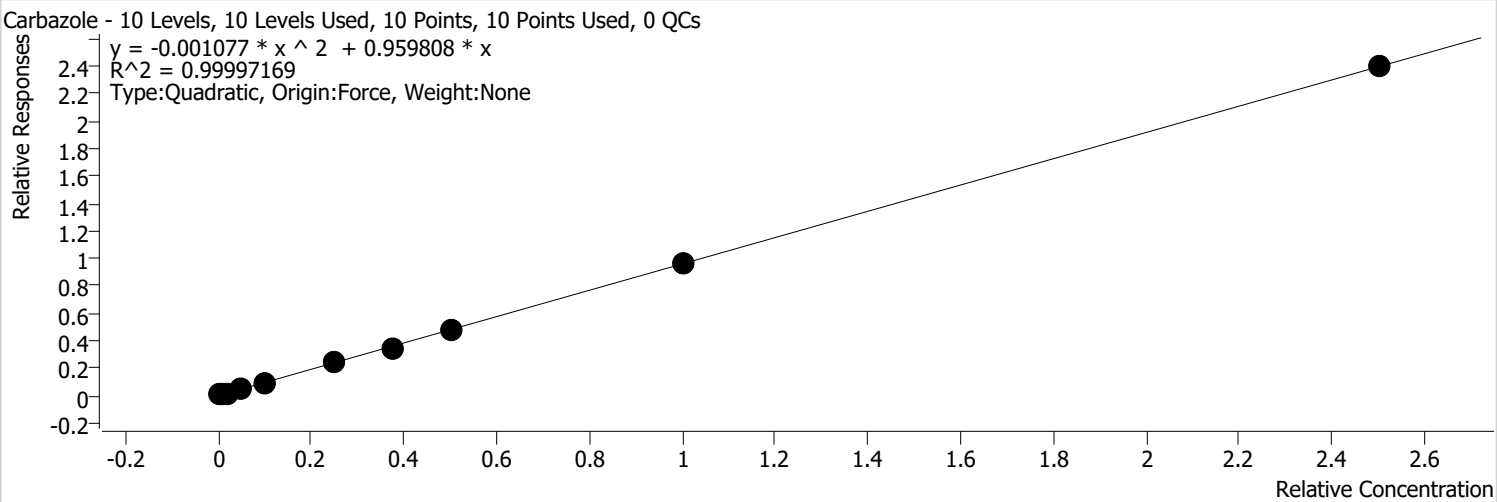
Anthracene %RSE = 15.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	641	10.0000	1.4308	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1183	20.0000	1.2943	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2154	40.0000	1.2566	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4899	100.0000	1.1248	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	10086	200.0000	1.1270	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	25576	500.0000	1.1226	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	37300	750.0000	1.0833	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	51560	1000.0000	1.0981	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	106164	2000.0000	1.0892	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	263098	5000.0000	1.1161	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Carbazole %RSE = 3.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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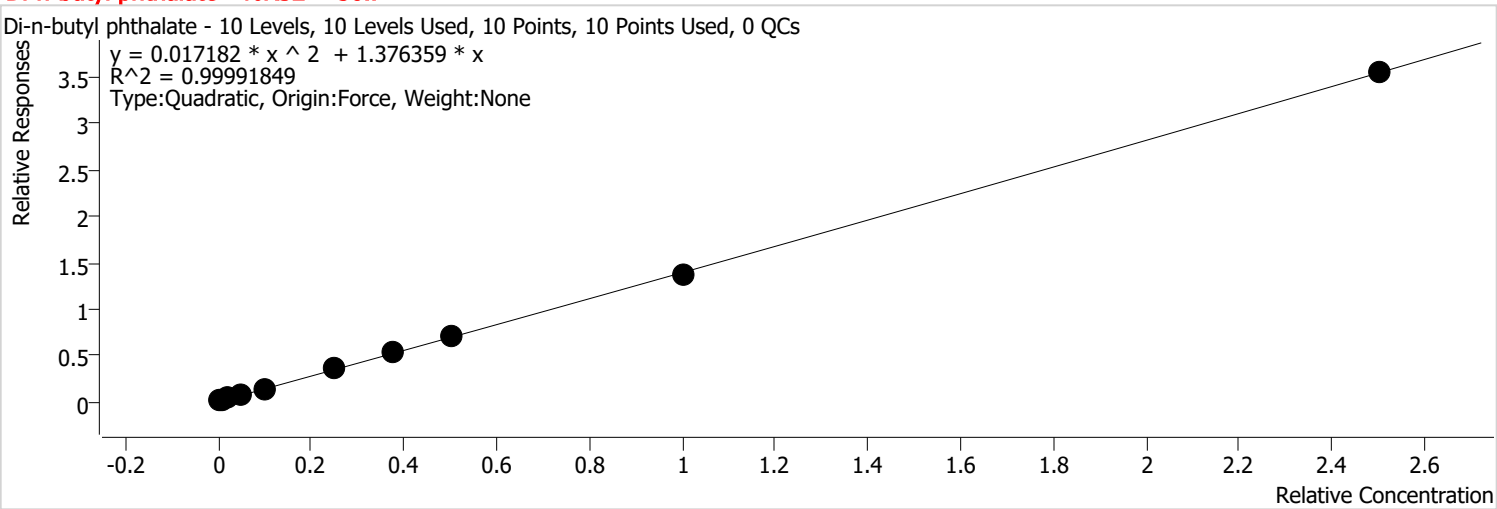
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	897	20.0000	0.9813	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1695	40.0000	0.9888	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4155	100.0000	0.9541	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	8561	200.0000	0.9566	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	22563	500.0000	0.9903	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	32227	750.0000	0.9360	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	45178	1000.0000	0.9622	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	93531	2000.0000	0.9596	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	225616	5000.0000	0.9571	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

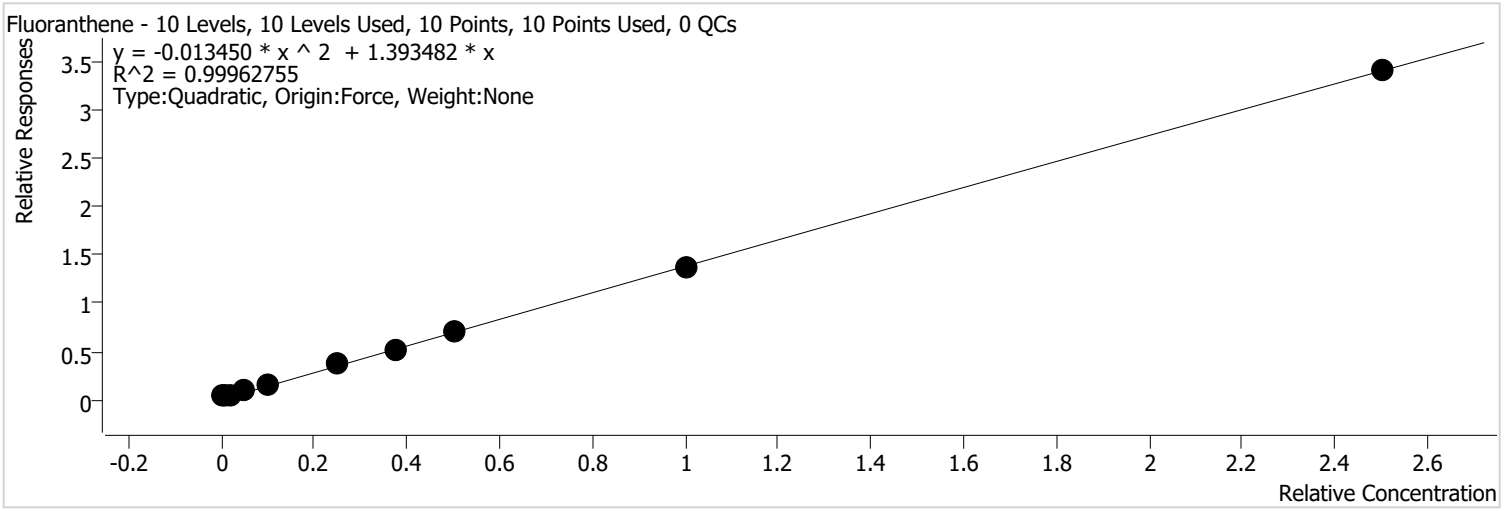
Di-n-butyl phthalate %RSE = 56.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1495	10.0000	3.3393	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1721	20.0000	1.8833	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2978	40.0000	1.7369	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6452	100.0000	1.4813	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	12960	200.0000	1.4481	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	32345	500.0000	1.4197	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48851	750.0000	1.4188	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65674	1000.0000	1.3987	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	134136	2000.0000	1.3762	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	334776	5000.0000	1.4201	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

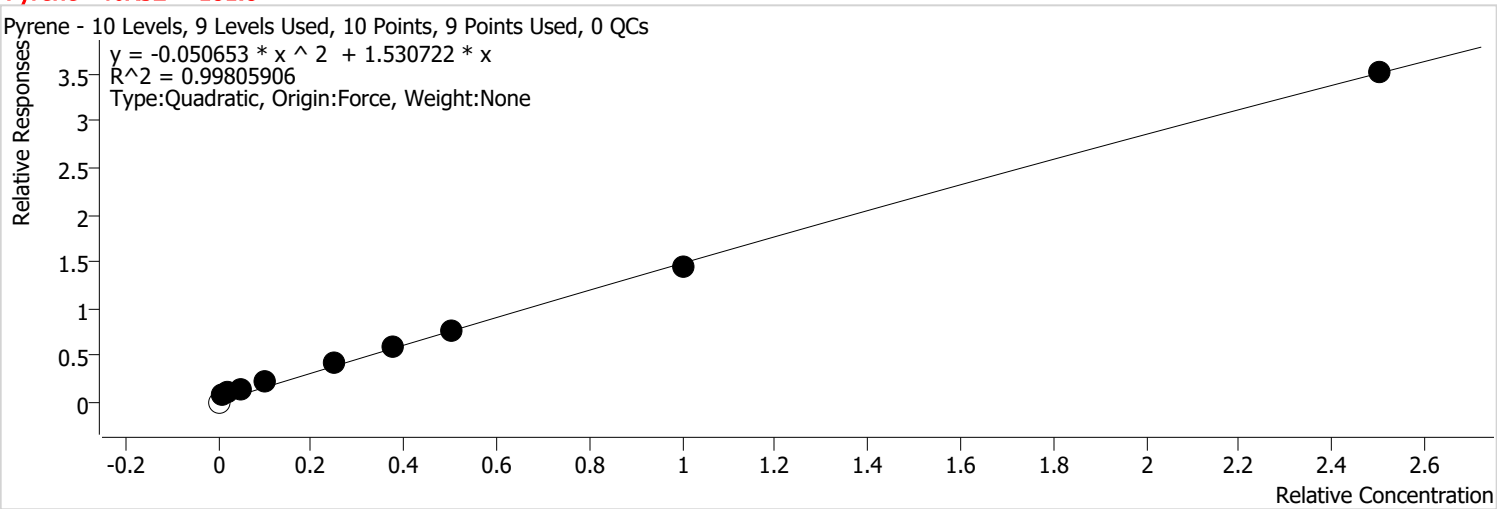
Fluoranthene %RSE = 204.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	3847	10.0000	8.5946	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	2980	20.0000	3.2601	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	4354	40.0000	2.5394	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	7782	100.0000	1.7866	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	14163	200.0000	1.5825	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33370	500.0000	1.4647	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48283	750.0000	1.4023	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65510	1000.0000	1.3952	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	132699	2000.0000	1.3615	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	320795	5000.0000	1.3608	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

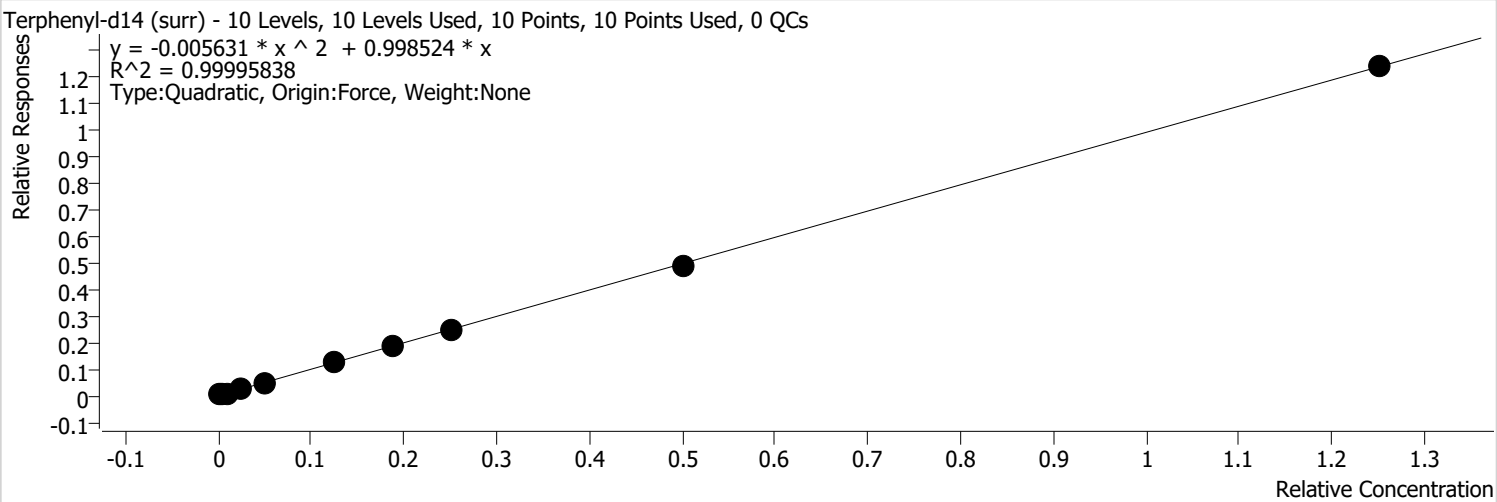
Pyrene %RSE = 181.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1		0	10.0000	0.0000	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	6656	20.0000	7.2815	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	8399	40.0000	4.8990	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	11960	100.0000	2.7460	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	18622	200.0000	2.0808	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	38669	500.0000	1.6973	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	53527	750.0000	1.5546	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	71063	1000.0000	1.5134	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	139869	2000.0000	1.4350	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	331567	5000.0000	1.4065	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

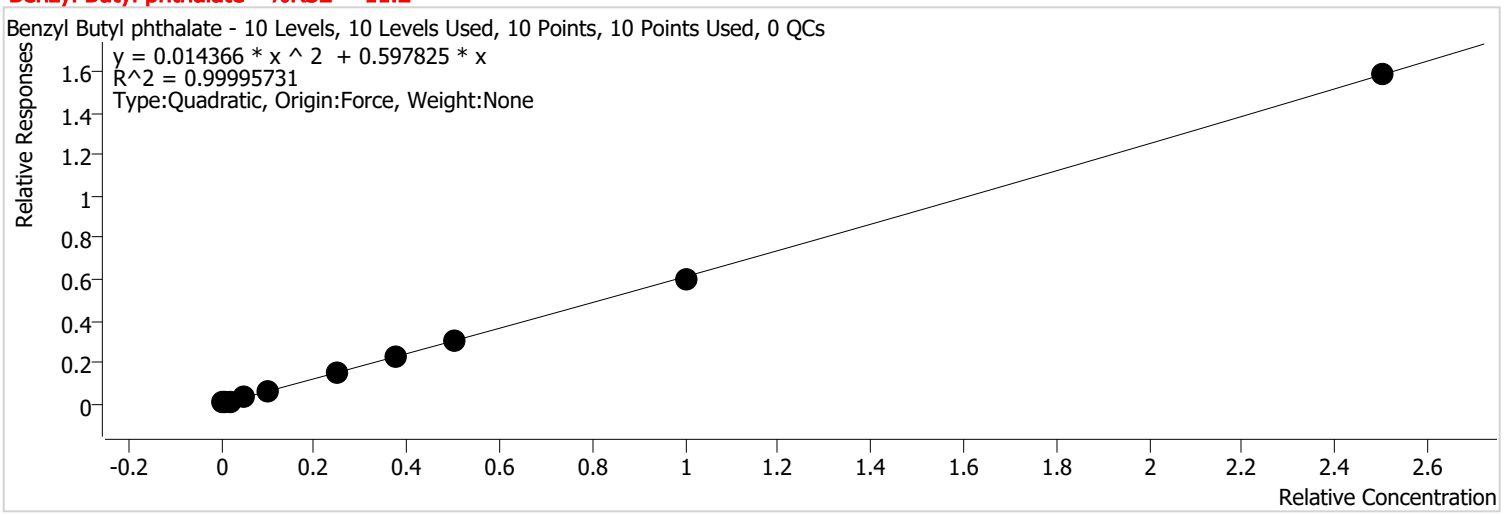
Terphenyl-d14 (surr) %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	252	5.0000	1.1266	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	495	10.0000	1.0842	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	935	20.0000	1.0906	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2250	50.0000	1.0333	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	4642	100.0000	1.0374	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	11776	250.0000	1.0338	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	17240	375.0000	1.0014	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	23684	500.0000	1.0088	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	48091	1000.0000	0.9868	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	116913	2500.0000	0.9919	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

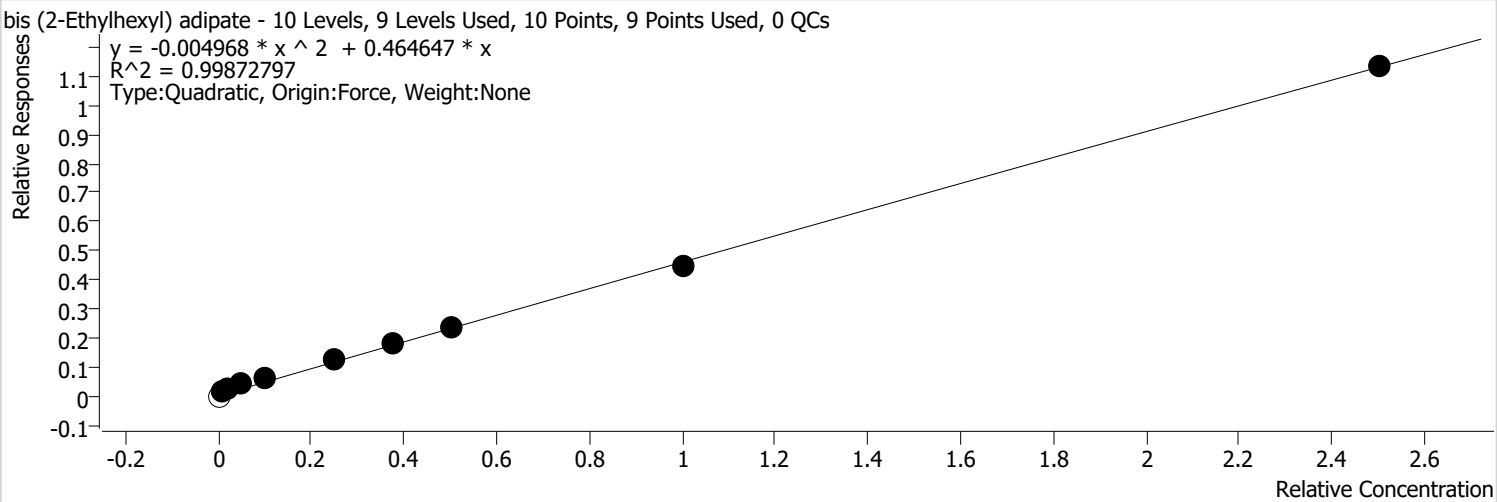
Benzyl Butyl phthalate %RSE = 11.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	342	10.0000	0.7639	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	581	20.0000	0.6352	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1101	40.0000	0.6423	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2644	100.0000	0.6071	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5419	200.0000	0.6056	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	13999	500.0000	0.6145	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	21141	750.0000	0.6140	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	28827	1000.0000	0.6139	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	59034	2000.0000	0.6057	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	149463	5000.0000	0.6340	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

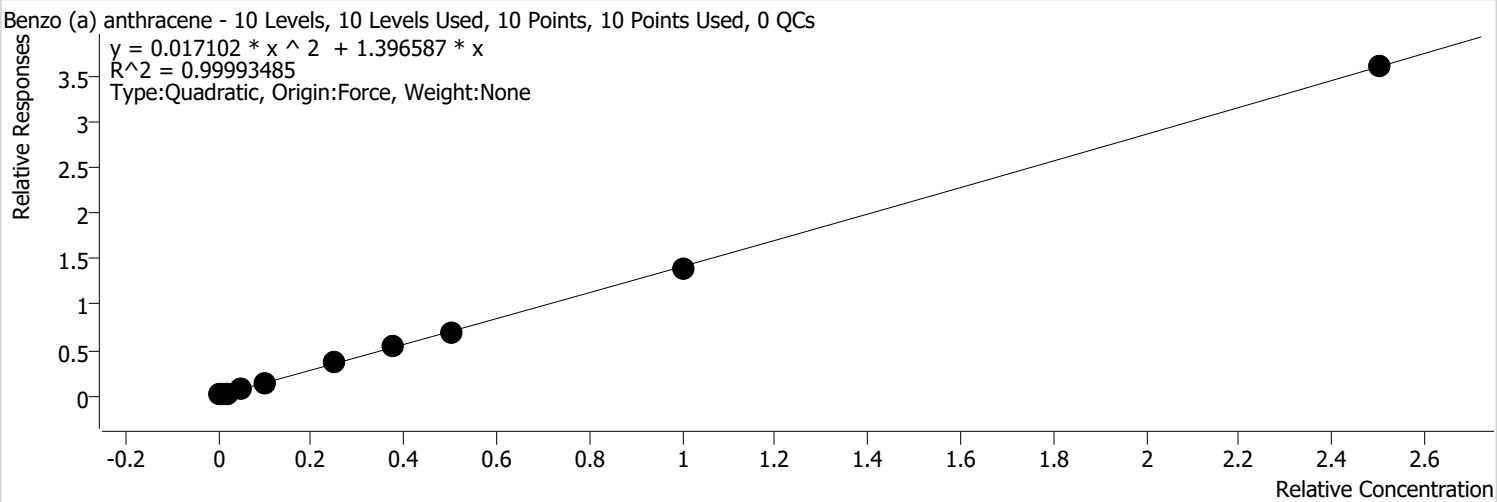
bis (2-Ethylhexyl) adipate %RSE = 148.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1		0	10.0000	0.0000	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1717	20.0000	1.8786	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2268	40.0000	1.3227	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3369	100.0000	0.7735	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5387	200.0000	0.6019	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	11500	500.0000	0.5048	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	16714	750.0000	0.4854	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	21863	1000.0000	0.4656	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	43459	2000.0000	0.4459	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	106776	5000.0000	0.4530	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

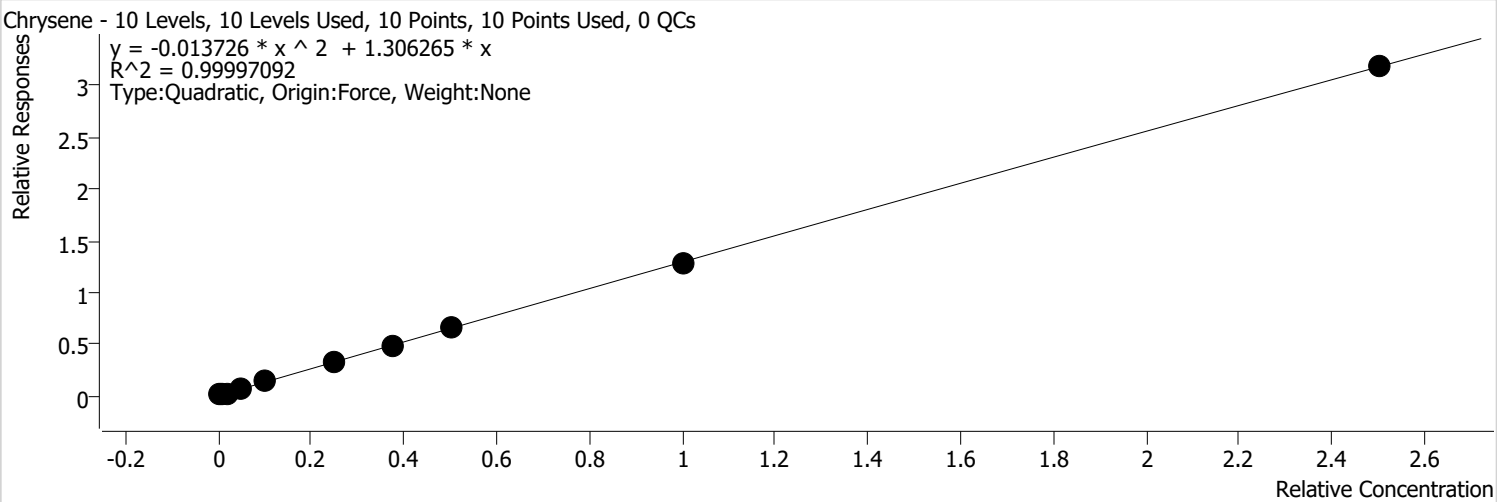
Benzo (a) anthracene %RSE = 29.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1066	10.0000	2.3813	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1642	20.0000	1.7964	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2823	40.0000	1.6466	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6687	100.0000	1.5353	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13101	200.0000	1.4639	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33575	500.0000	1.4737	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48971	750.0000	1.4223	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	66100	1000.0000	1.4077	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	136483	2000.0000	1.4003	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	339464	5000.0000	1.4400	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

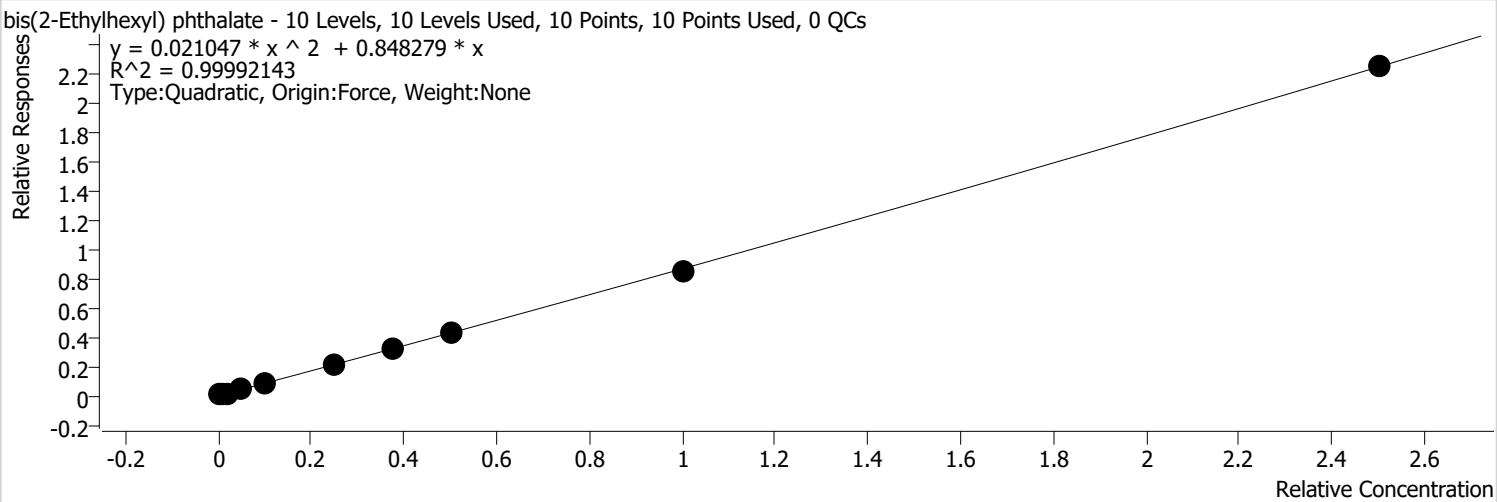
Chrysene %RSE = 10.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	761	10.0000	1.5890	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1404	20.0000	1.4440	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2694	40.0000	1.4804	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6137	100.0000	1.3118	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13155	200.0000	1.3782	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	32483	500.0000	1.3291	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48424	750.0000	1.3126	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65529	1000.0000	1.3101	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	132609	2000.0000	1.2829	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	314503	5000.0000	1.2724	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

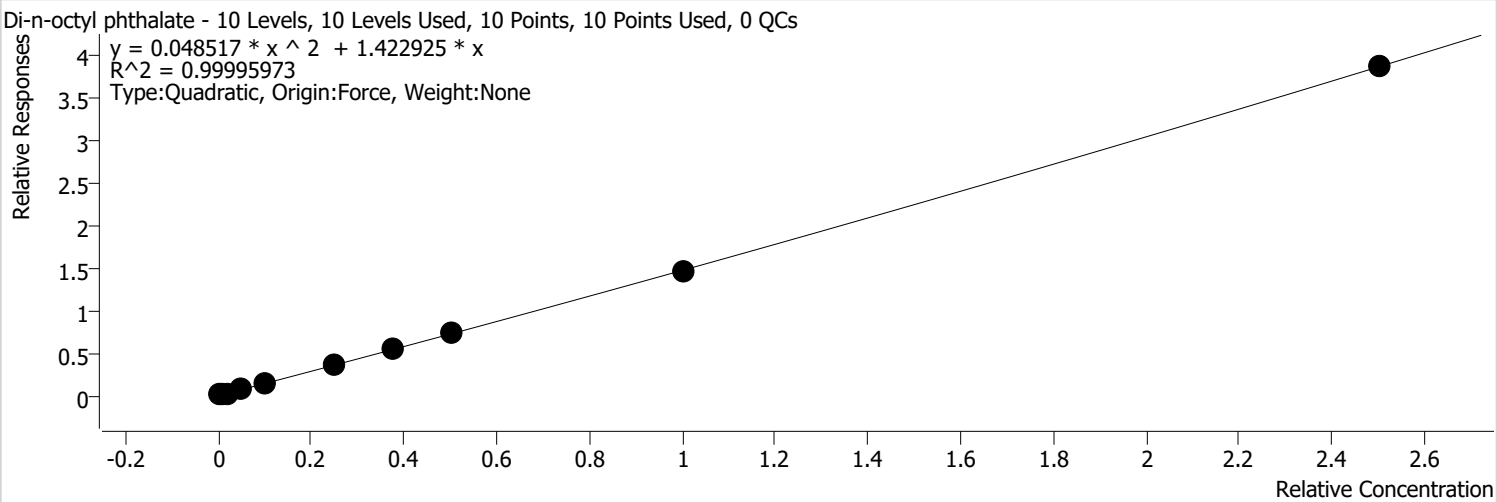
bis(2-Ethylhexyl) phthalate %RSE = 48.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	913	10.0000	1.9054	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1013	20.0000	1.0414	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1806	40.0000	0.9927	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4177	100.0000	0.8929	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	8384	200.0000	0.8784	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	21543	500.0000	0.8814	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	32541	750.0000	0.8821	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	43368	1000.0000	0.8670	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	88691	2000.0000	0.8580	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	222809	5000.0000	0.9014	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

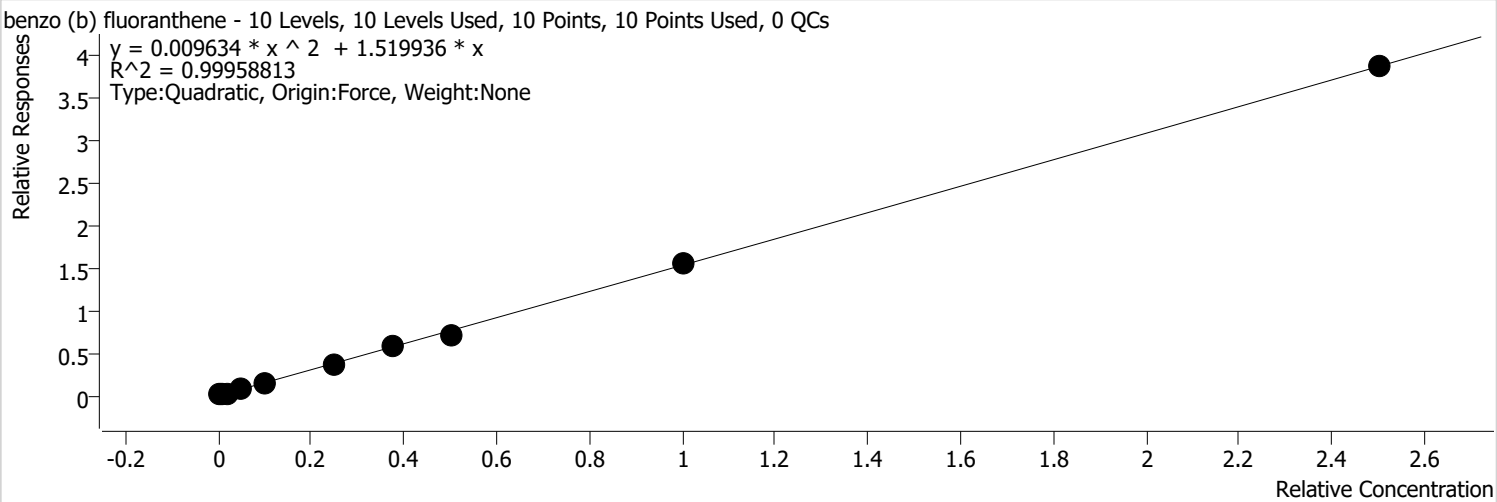
Di-n-octyl phthalate %RSE = 8.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	831	10.0000	1.7341	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1407	20.0000	1.4474	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2698	40.0000	1.4828	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6548	100.0000	1.3997	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13737	200.0000	1.4392	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	35535	500.0000	1.4539	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	54602	750.0000	1.4800	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	73140	1000.0000	1.4622	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	150583	2000.0000	1.4568	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	381850	5000.0000	1.5449	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

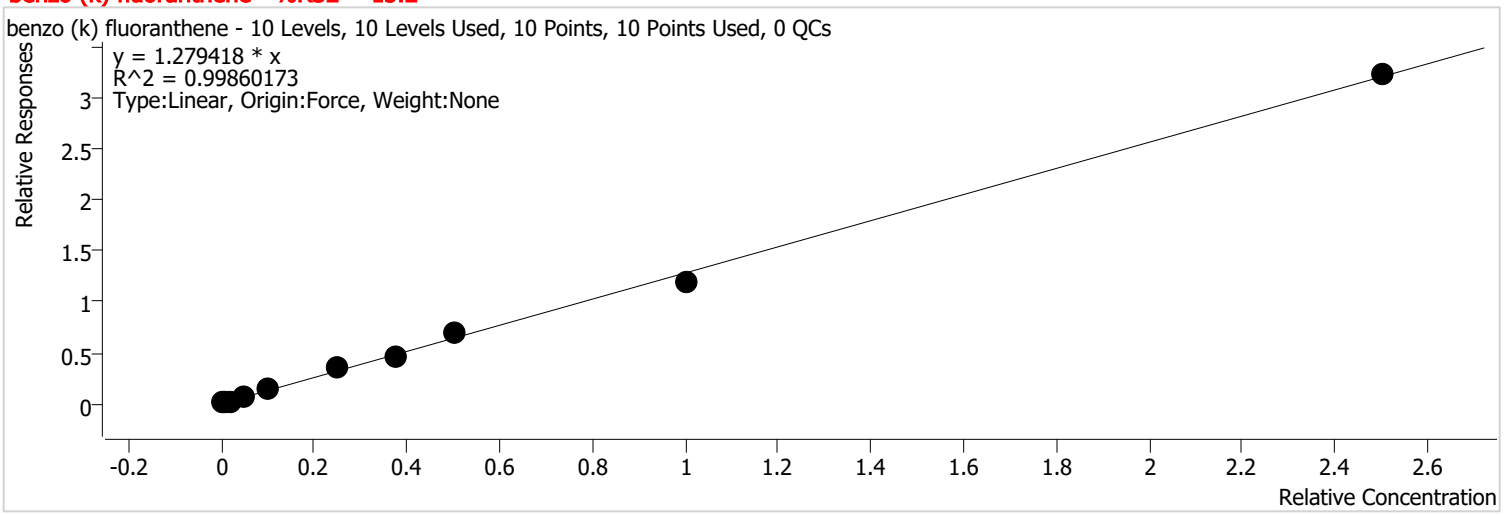
benzo (b) fluoranthene %RSE = 5.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	791	10.0000	1.6517	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1473	20.0000	1.5149	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2848	40.0000	1.5651	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6983	100.0000	1.4926	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	14259	200.0000	1.4938	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	36540	500.0000	1.4951	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	58601	750.0000	1.5884	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	70175	1000.0000	1.4029	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	161285	2000.0000	1.5603	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	381344	5000.0000	1.5428	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

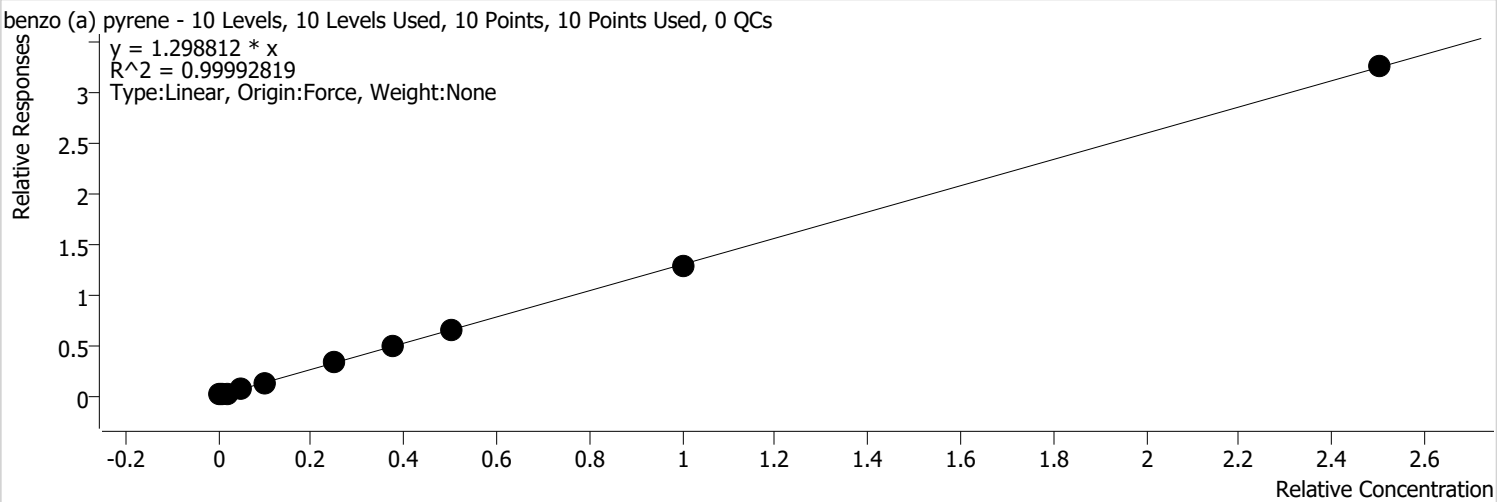
benzo (k) fluoranthene %RSE = 13.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	748	10.0000	1.5612	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1465	20.0000	1.5067	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2685	40.0000	1.4755	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6471	100.0000	1.3832	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13346	200.0000	1.3982	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33842	500.0000	1.3847	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	45636	750.0000	1.2370	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	70152	1000.0000	1.4025	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	123605	2000.0000	1.1958	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	318239	5000.0000	1.2875	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

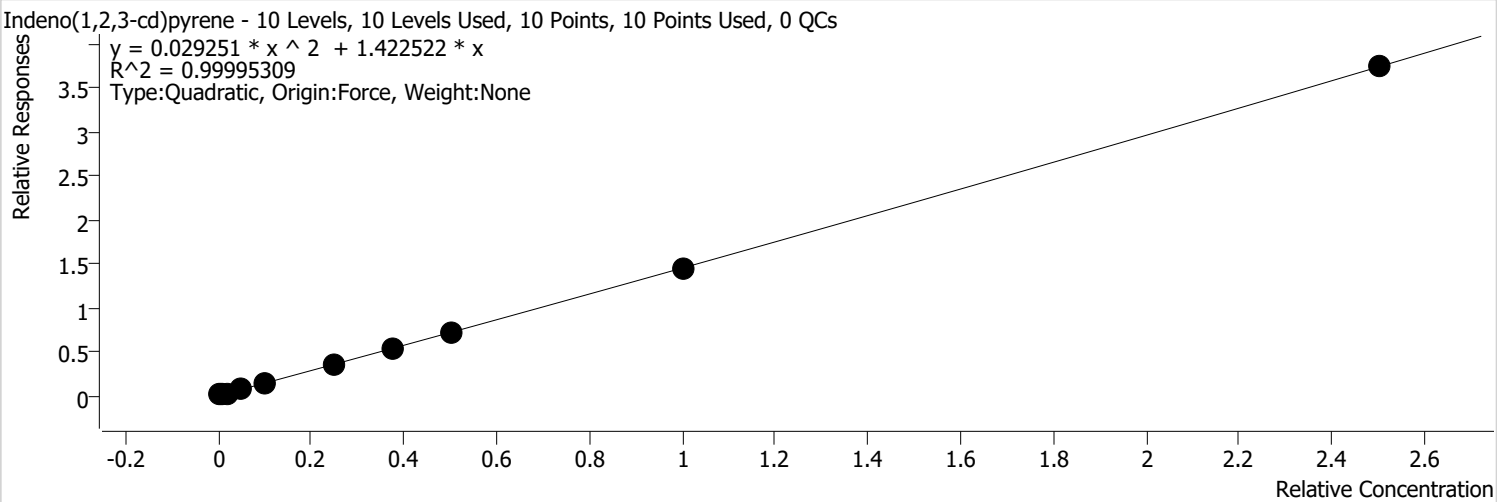
benzo (a) pyrene %RSE = 22.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1002	10.0000	2.0912	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1444	20.0000	1.4855	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2676	40.0000	1.4705	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6107	100.0000	1.3053	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	12441	200.0000	1.3034	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	31707	500.0000	1.2973	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48512	750.0000	1.3149	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65263	1000.0000	1.3047	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	131897	2000.0000	1.2760	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	321779	5000.0000	1.3018	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

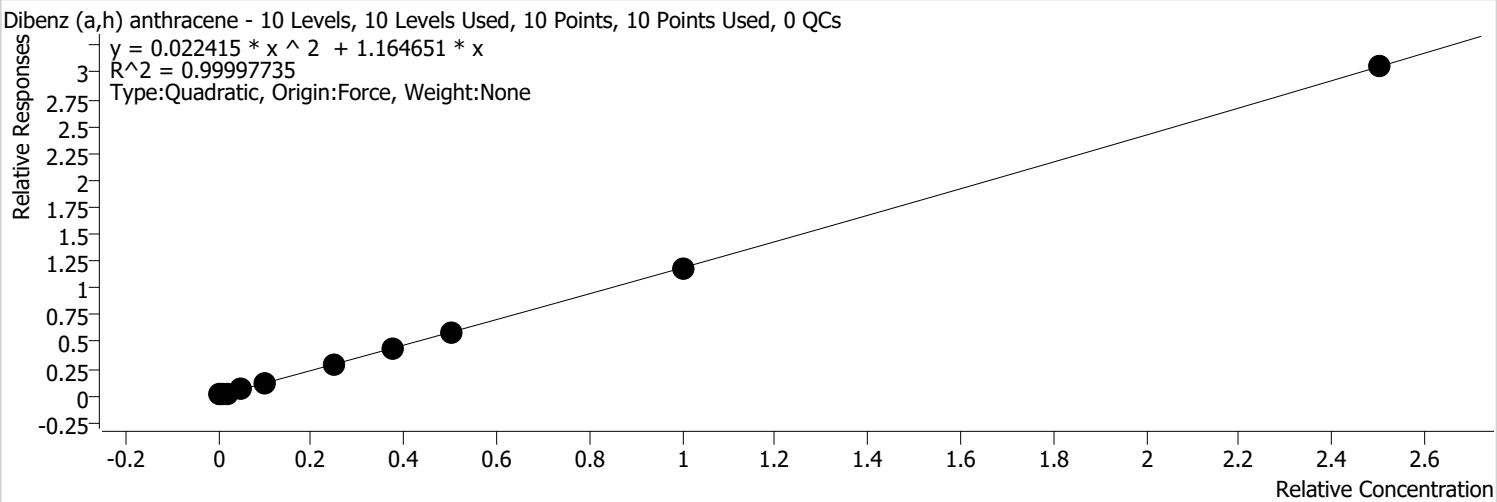
Indeno(1,2,3-cd)pyrene %RSE = 16.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1078	10.0000	1.9788	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1738	20.0000	1.5756	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	3303	40.0000	1.6048	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	7770	100.0000	1.4641	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	15937	200.0000	1.4703	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	40639	500.0000	1.4713	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	60409	750.0000	1.4516	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	81206	1000.0000	1.4585	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	165581	2000.0000	1.4361	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	414477	5000.0000	1.4964	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

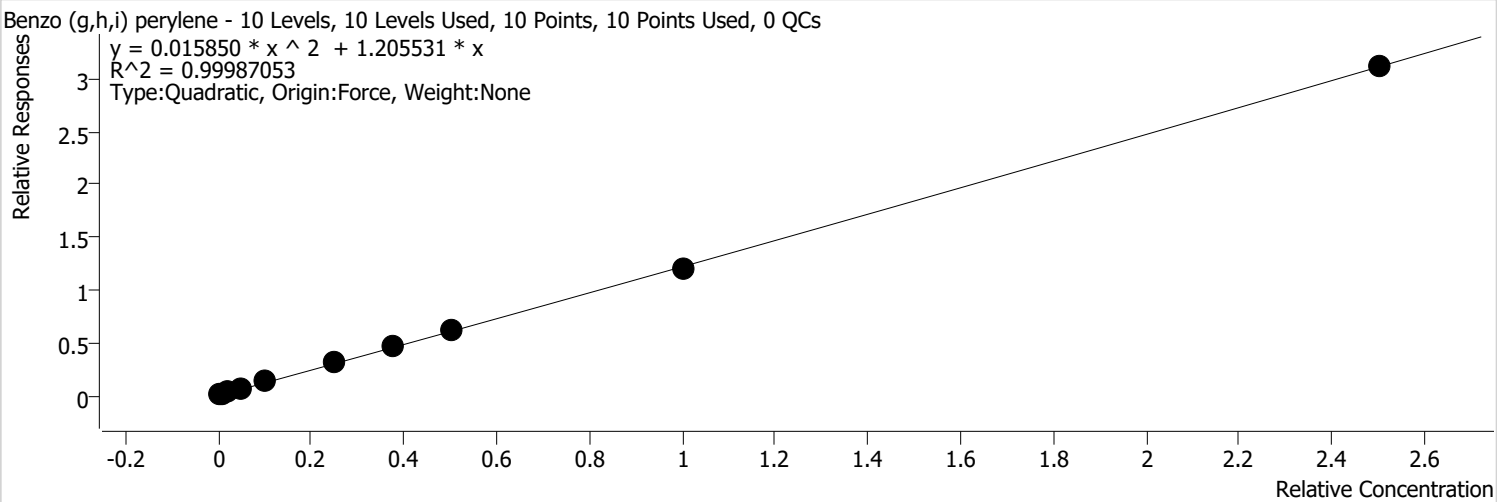
Dibenz (a,h) anthracene %RSE = 8.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	744	10.0000	1.3651	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1392	20.0000	1.2613	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2665	40.0000	1.2952	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6293	100.0000	1.1858	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	12932	200.0000	1.1930	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33004	500.0000	1.1949	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	49359	750.0000	1.1861	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	66020	1000.0000	1.1857	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	135851	2000.0000	1.1783	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	338231	5000.0000	1.2211	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Benzo (g,h,i) perylene %RSE = 80.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1961	10.0000	3.5991	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	2154	20.0000	1.9524	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	3573	40.0000	1.7361	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	7292	100.0000	1.3740	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	14191	200.0000	1.3092	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	34875	500.0000	1.2626	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	51304	750.0000	1.2328	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	68376	1000.0000	1.2280	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	138864	2000.0000	1.2044	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	345125	5000.0000	1.2460	

Semivolatile Calibration

Date: 08/16/21

Analyst: Sam Berman

MeCl2: 5994

Cal		ICV	
IM 25795	8270 Megamix: 24893		8270 Megamix: 24990
	2,4-DNP: 24998		2,4-DNP: 24501
	Benzoic Acid: 25025		Benzoic Acid: 23305

8270 Surrogate: 25514

IS 25765

Spike Conc. (ppb)	BN/Acid Surr Conc. (ppb)	2° Spike (uL)	B/N Surr (uL)	Internal Standard (uL)	Remove (uL)	Final Vol. (mL)	(mL) @270 MM SS	(mL) Comments 2DNP SS	(mL) HBZ SS
10	10/5	1	--	10	11	1			
20	20/10	2	--	10	12	1			
40	40/20	4	--	10	14	1			
100	100/50	10	--	10	20	1			
200	200/100	20	--	10	30	1			
500	500/250	~~40~~ 50	--	10	60	1			
750	750/375	75	--	10	85	1			
1000	1000/500	100	--	10	110	1			
2000	2000/1000	200	--	10	210	1			
5000	5000/2500	500	--	10	510	1			
ICB	1000/500		~~15~~	10	~~11~~ 15	1			
ICV (1000 ppb)	1000/500	100 (2° SS)		10	~~110~~ 19	1	1	1	1

8/11/21 8/11/21 8/11/21

	Mega Mix (uL)	2,4-DNP (uL)	Benzoic Acid (uL)	8270 Surr (uL)	Final Volume (mL)
2° Intermediate (cal)	100	100	100	100	10
2° Intermediate (SS)	50	50	50	50	5

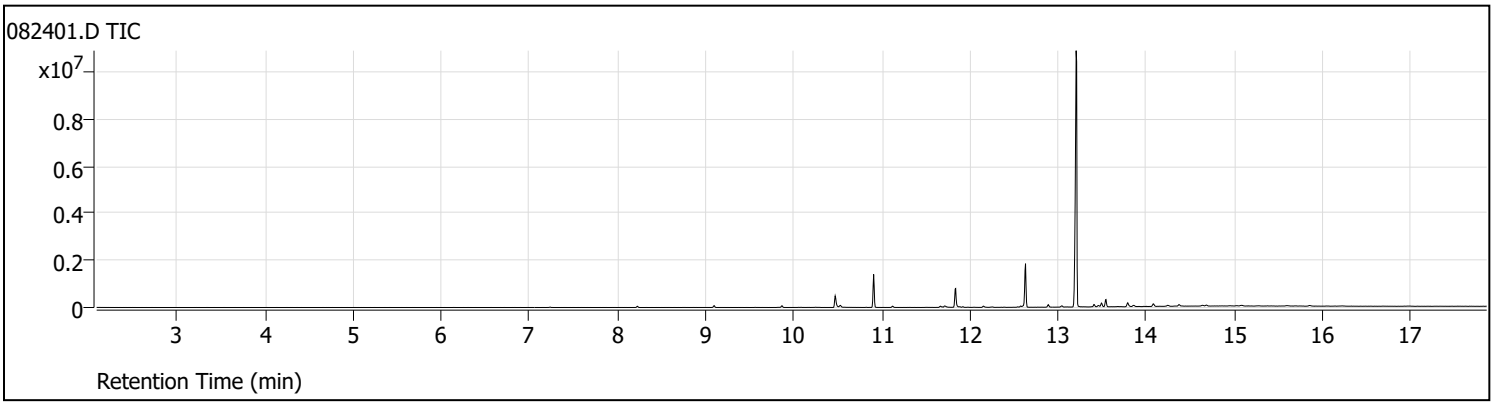
Signature and Date: 08/16/21

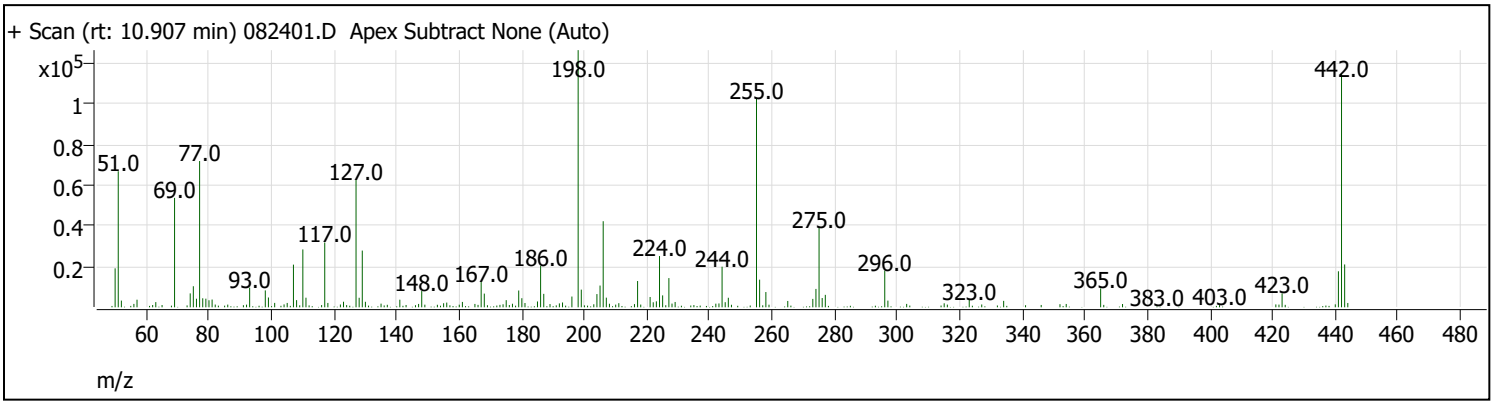
Signature: EM

Tunes

Tune Evaluation Report

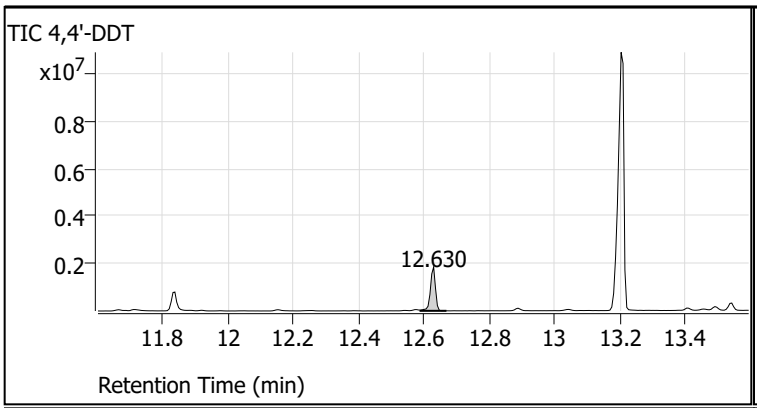
Data Path: C:\GC-14\Data\2021\082421\082401.D
Acq on: 8/24/2021 8:05:10 AM
Operator: FA\GC14
Sample: TUNE
Inst Name: GC-14
ALS Vial: 1
Method: C:\GC-14\Methods\Quant Methods\TUNE\DFTPPwBreak&TailingGC218270E.m

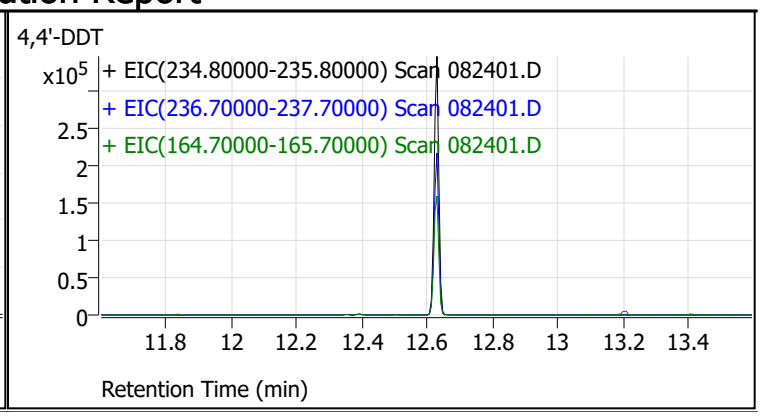


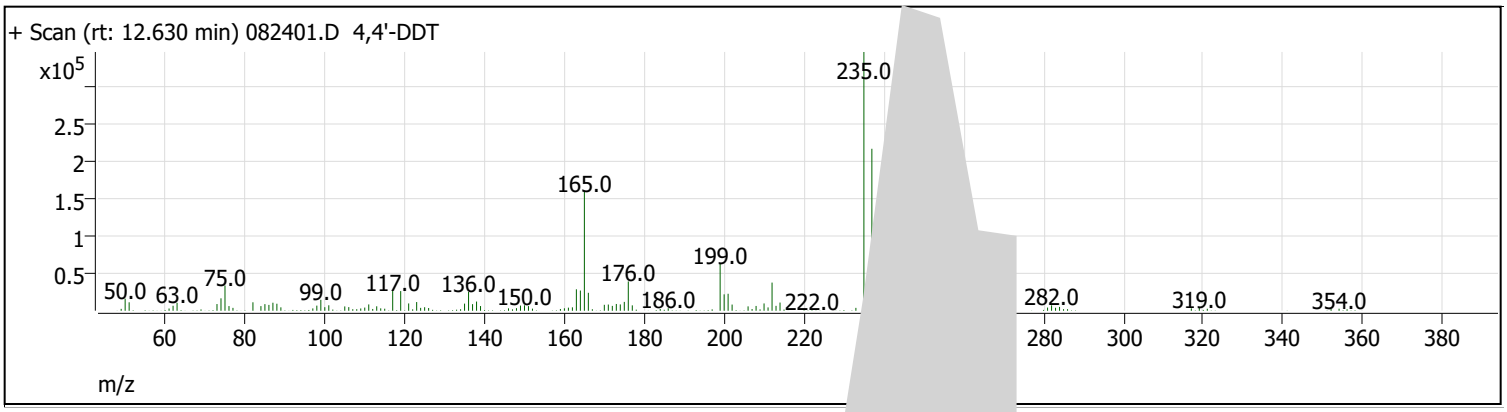


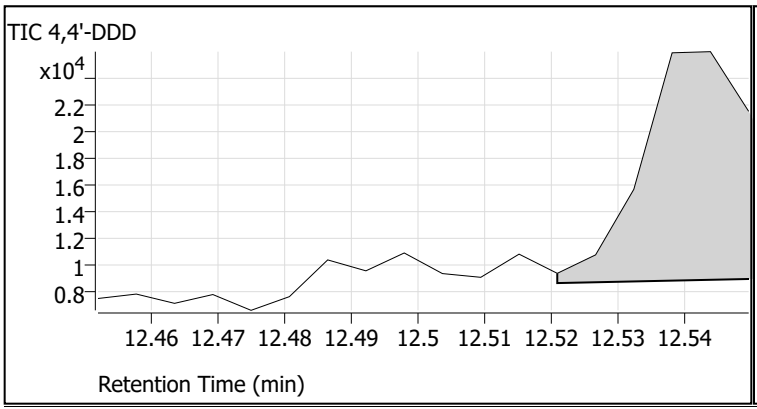
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	1.5	810	Pass
70	69	0	2	0.4	193	Pass
197	198	0	2	0.0	0	Pass
198	198	100	100	100.0	126312	Pass
199	198	5	9	6.9	8671	Pass
365	198	1	100	7.3	9274	Pass
441	443	1E-10	150	84.0	17688	Pass
442	442	100	100	100.0	114832	Pass
443	442	15	24	18.3	21048	Pass
69	69	100	100	100.0	53752	Pass

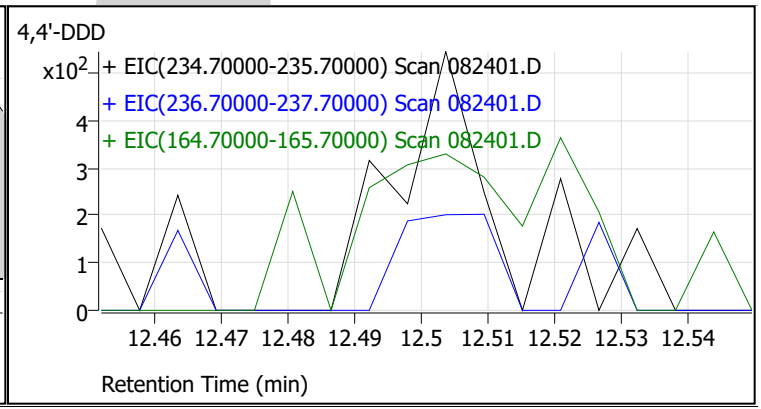
Tune Evaluation Report

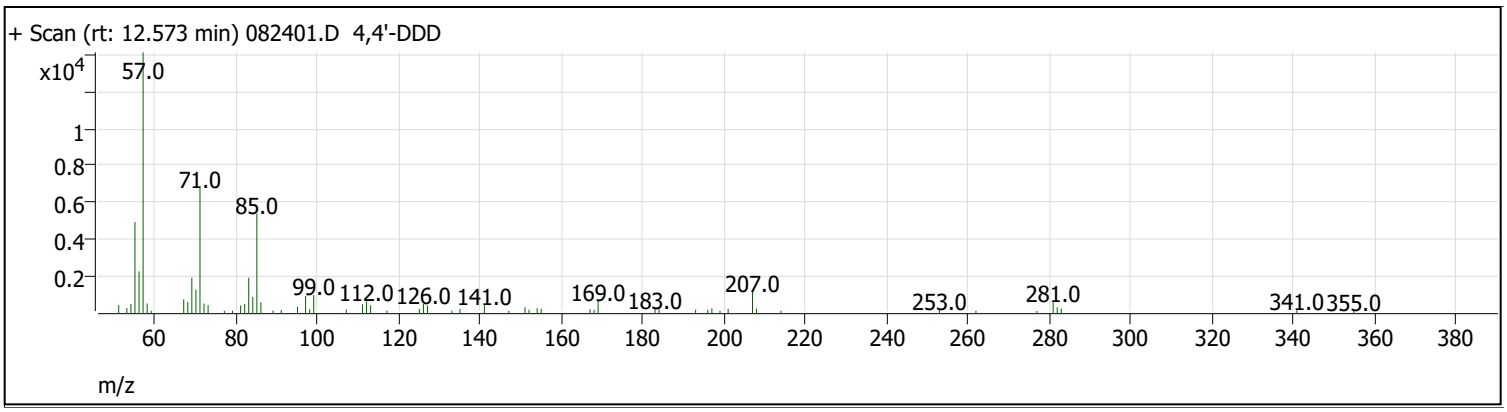






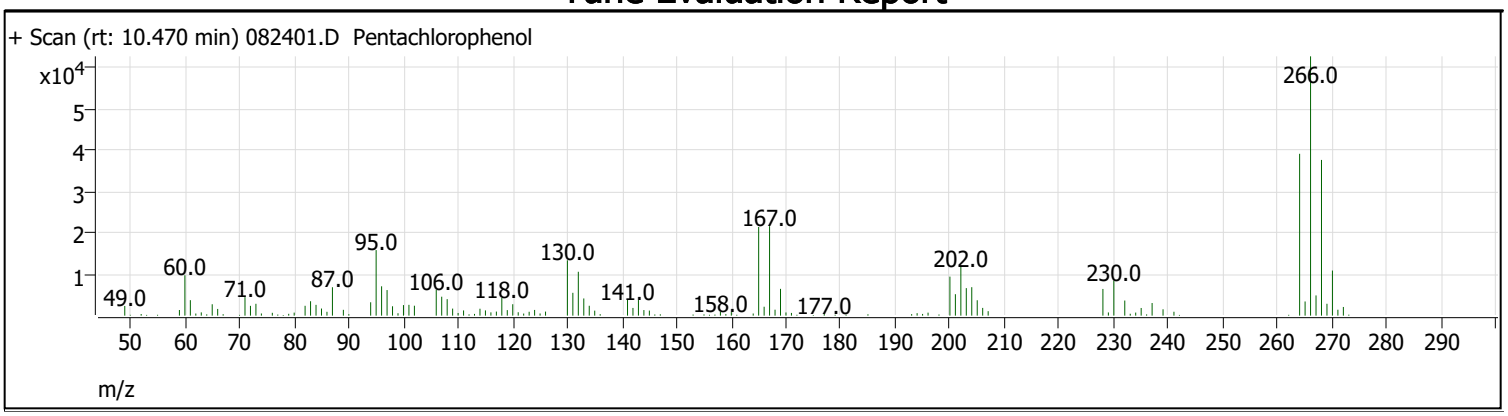


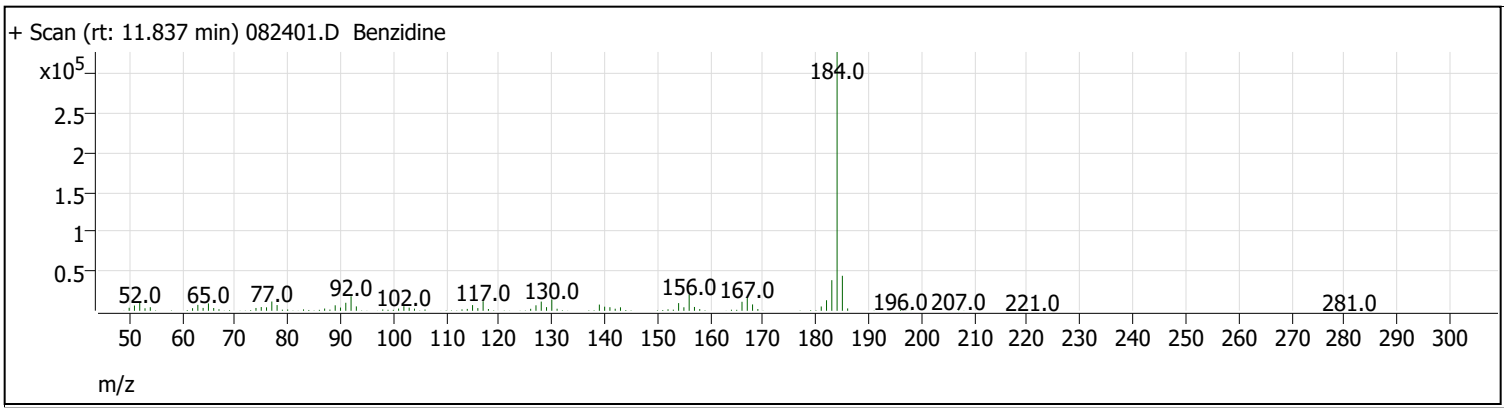




Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	12.600	12.630	1961410	4.4	Pass
4,4'-DDD	12.500	12.573	89588		

Tune Evaluation Report

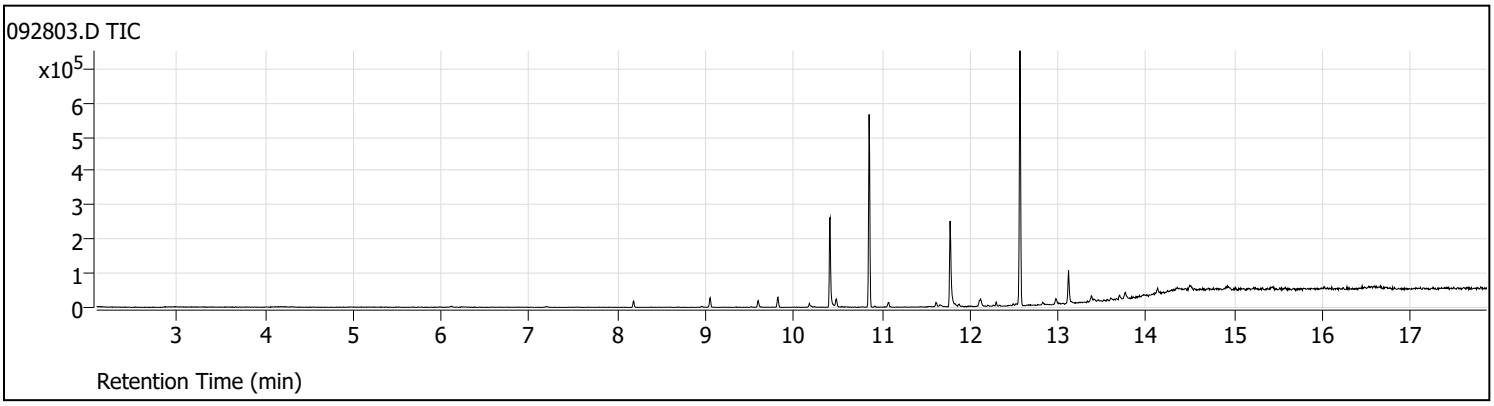


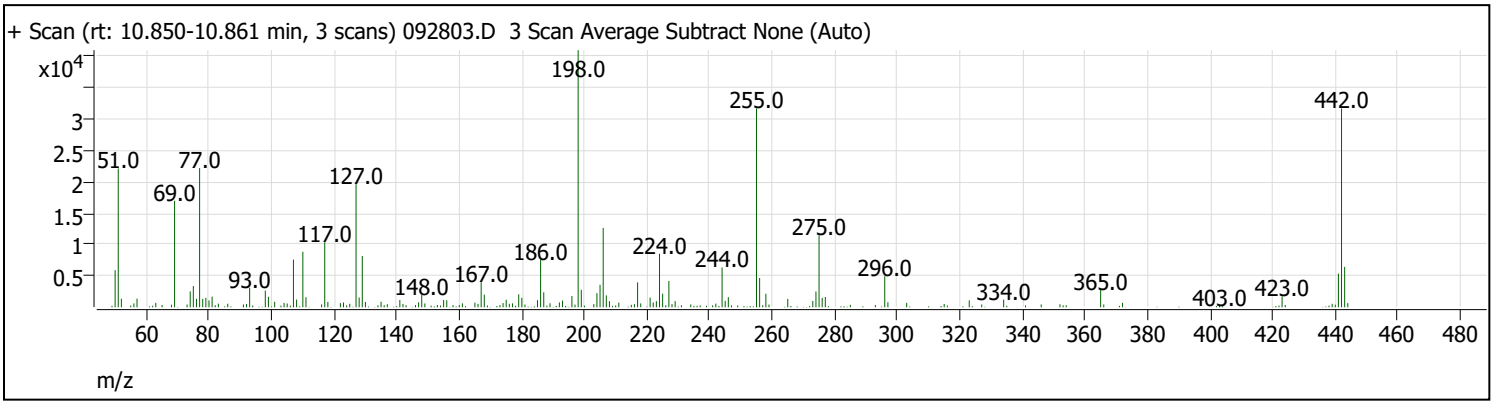


Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	10.540	10.470	1.9	2.8	Pass
Benzidine	11.906	11.837	0.9	3.2	Pass

Tune Evaluation Report

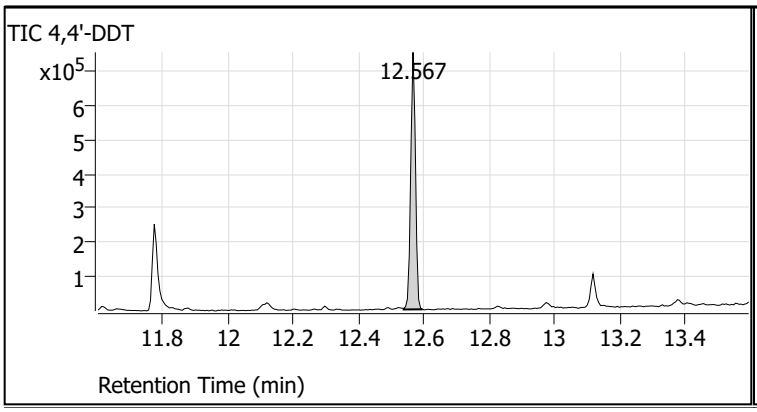
Data Path:	C:\GC-14\Data\2021\092821\092803.D
Acq on:	9/28/2021 12:06:27 PM
Operator:	FA\gc14
Sample:	TUNE
Inst Name:	GC-14
ALS Vial:	1
Method:	C:\GC-14\Methods\Quant Methods\TUNE\DFTPPwBreak&TailingGC218270E.m

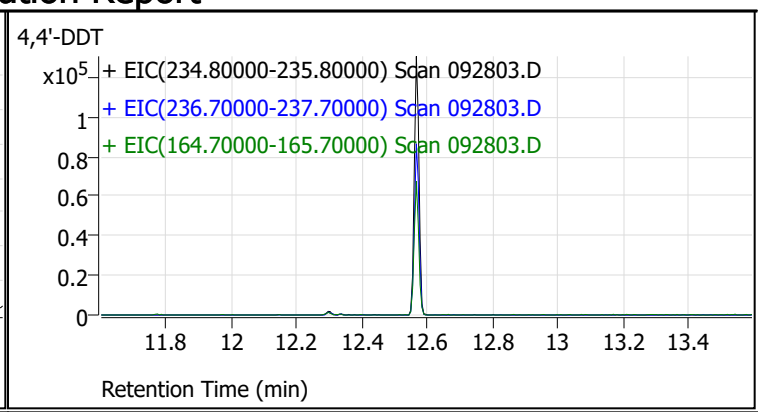


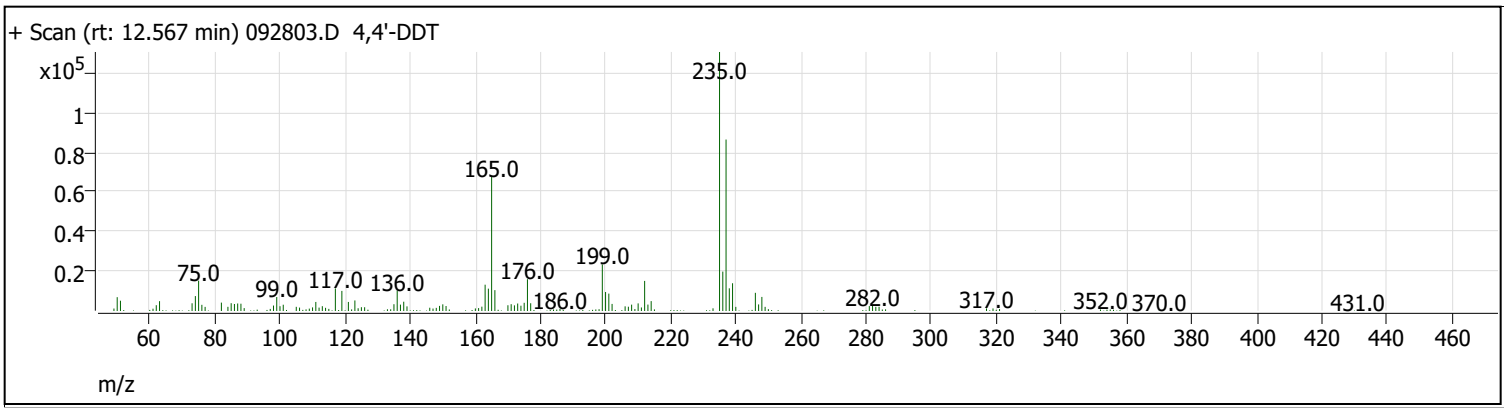


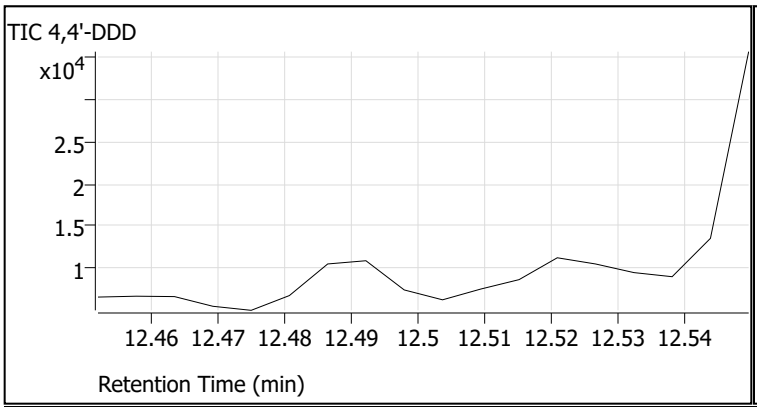
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	2.4	415	Fail
70	69	0	2	0.4	63	Pass
197	198	0	2	1.0	420	Pass
198	198	100	100	100.0	41008	Pass
199	198	5	9	6.8	2781	Pass
365	198	1	100	6.8	2793	Pass
441	443	1E-10	150	83.2	5363	Pass
442	442	100	100	100.0	31708	Pass
443	442	15	24	20.3	6449	Pass
69	69	100	100	100.0	16990	Pass

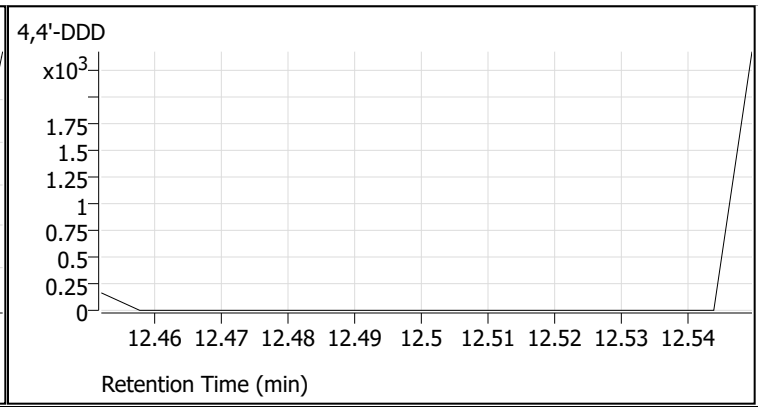
Tune Evaluation Report

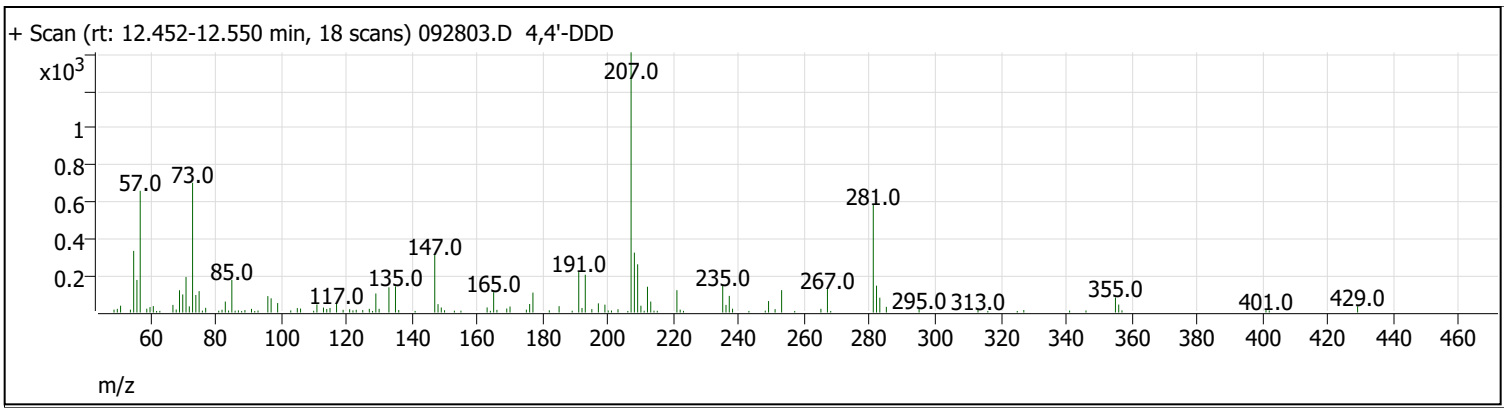






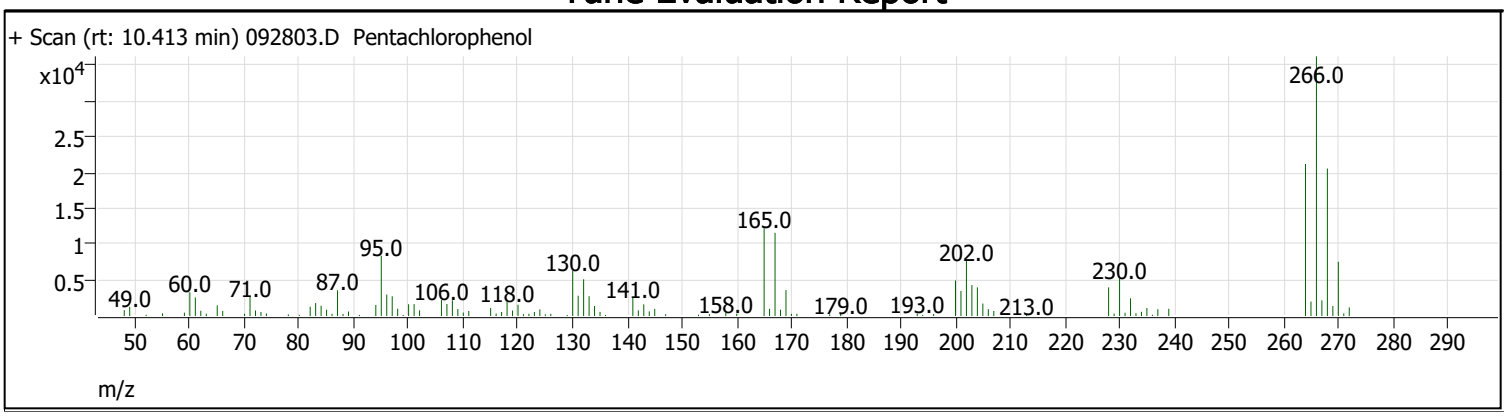


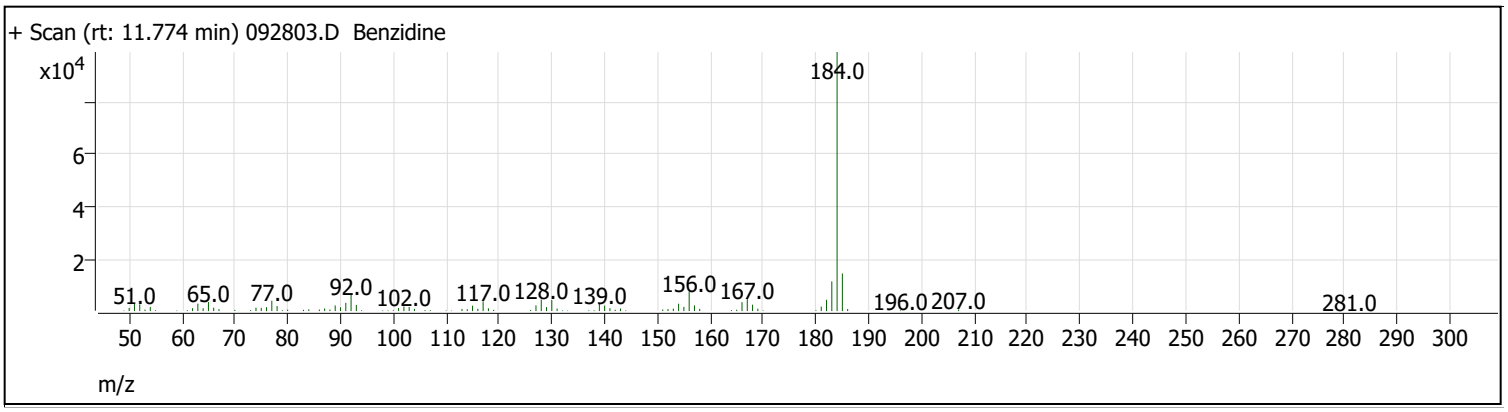




Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	12.600	12.567	757125	0.0	Pass
4,4'-DDD	12.500	0.000	0		

Tune Evaluation Report

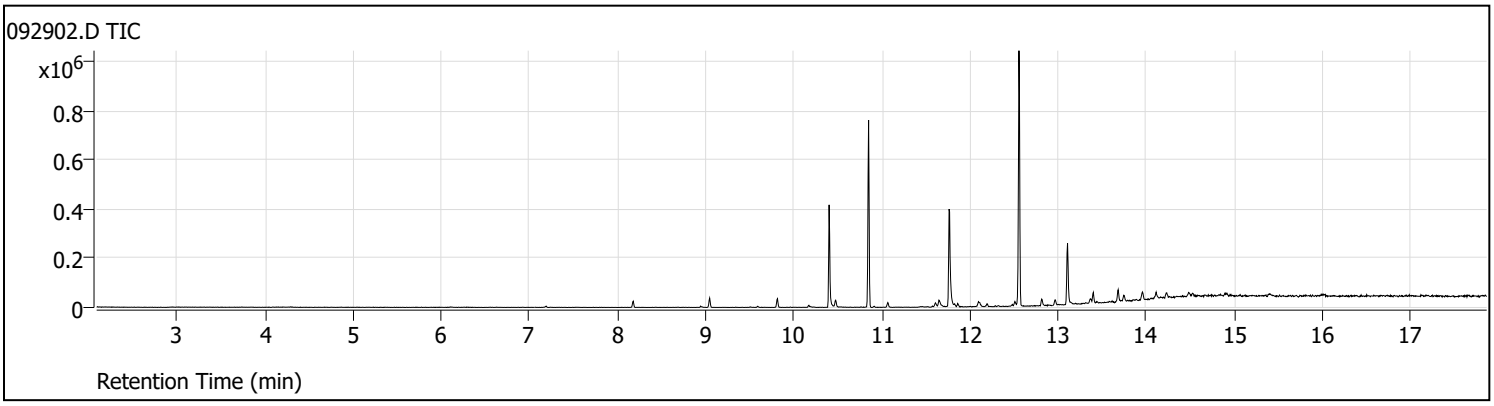


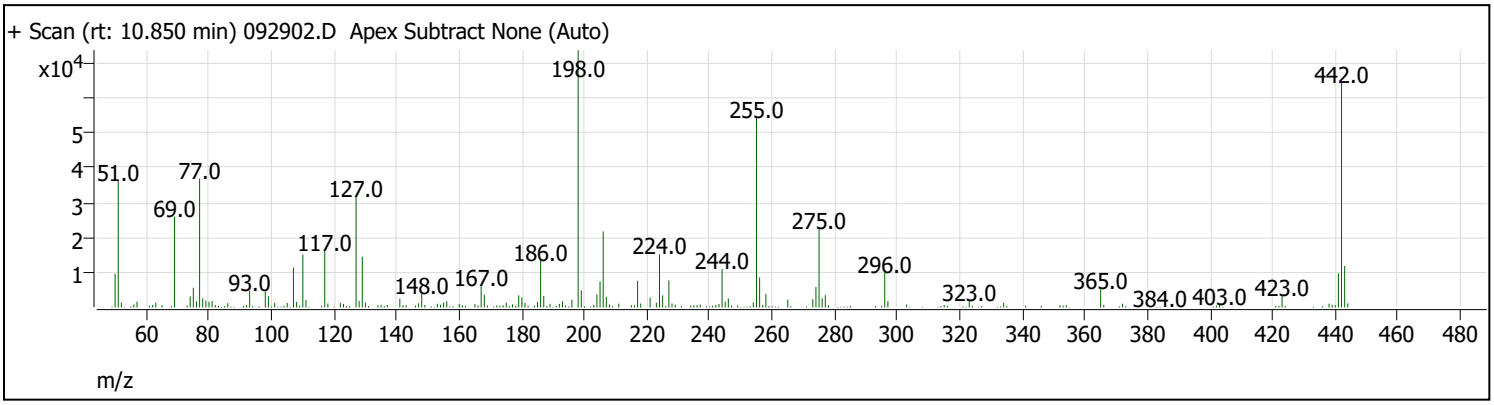


Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	10.540	10.413	1.1	3.5	Pass
Benzidine	11.906	11.774	2.3	3.1	Fail

Tune Evaluation Report

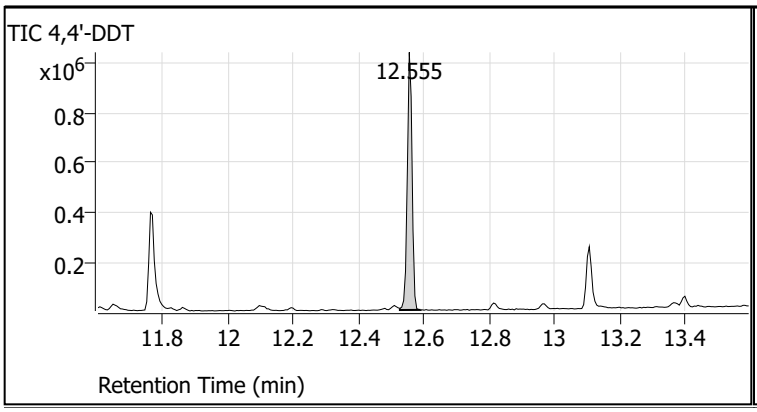
Data Path:	C:\GC-14\Data\2021\092821\092902.D
Acq on:	9/29/2021 1:57:17 PM
Operator:	FA\gc14
Sample:	TUNE
Inst Name:	GC-14
ALS Vial:	1
Method:	C:\GC-14\Methods\Quant Methods\TUNE\DFTPPwBreak&TailingGC218270E.m

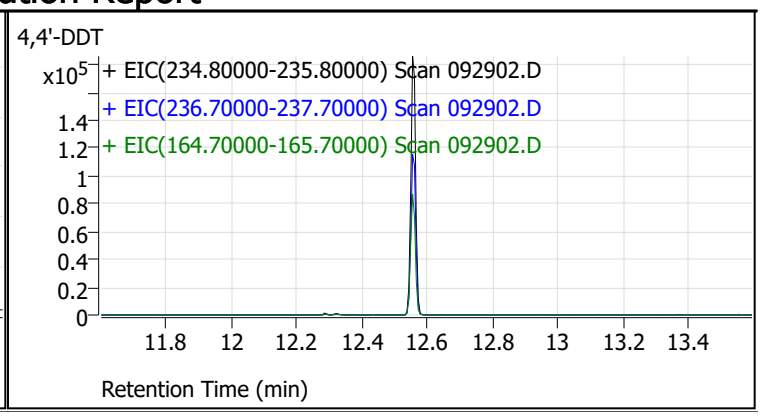


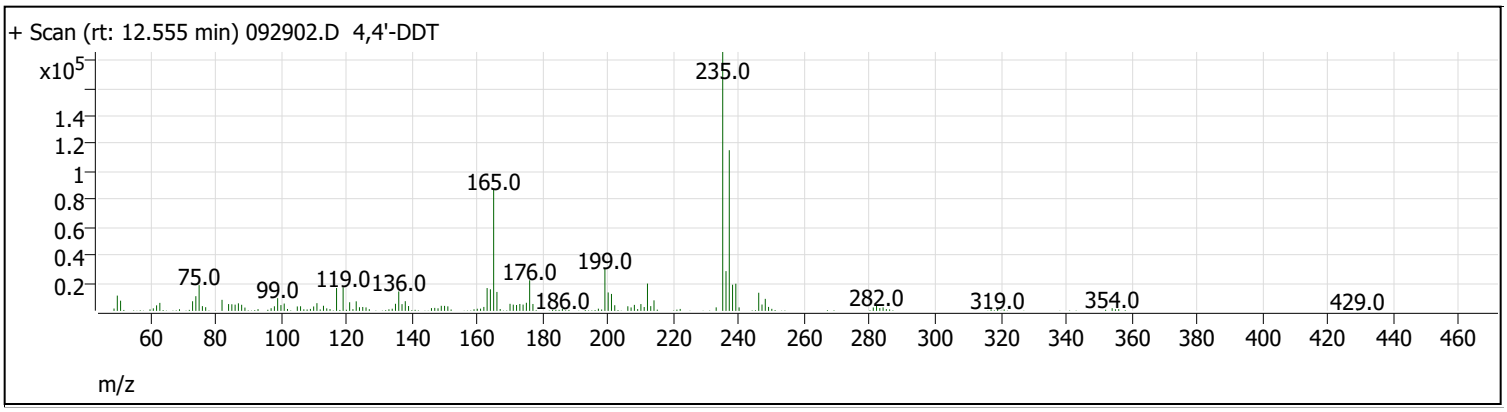


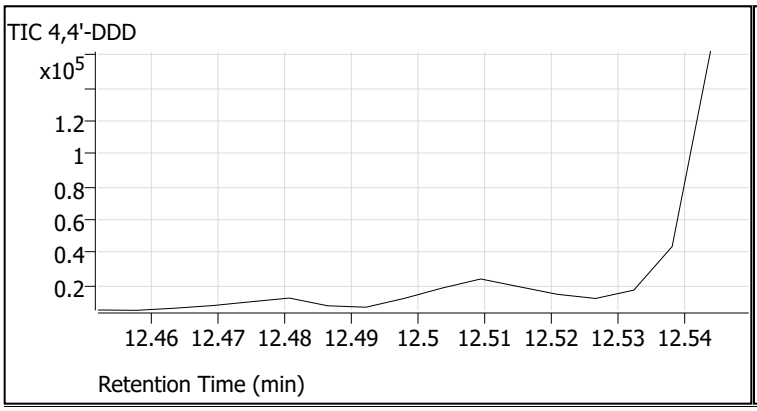
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	1.6	406	Pass
70	69	0	2	0.0	0	Pass
197	198	0	2	0.0	0	Pass
198	198	100	100	100.0	73640	Pass
199	198	5	9	6.6	4885	Pass
365	198	1	100	7.1	5200	Pass
441	443	1E-10	150	82.0	9762	Pass
442	442	100	100	100.0	64280	Pass
443	442	15	24	18.5	11907	Pass
69	69	100	100	100.0	26000	Pass

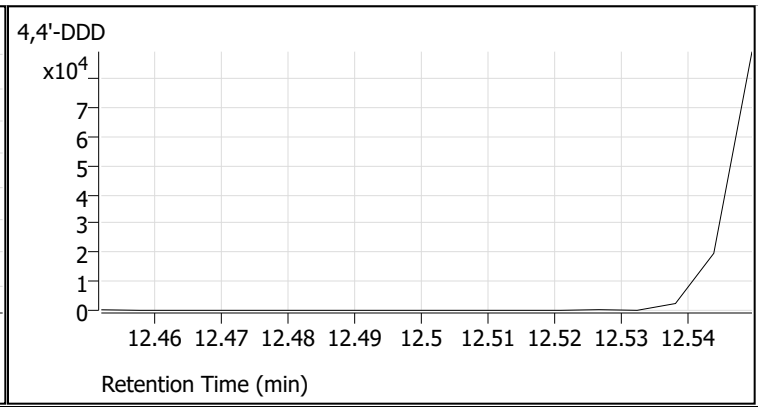
Tune Evaluation Report

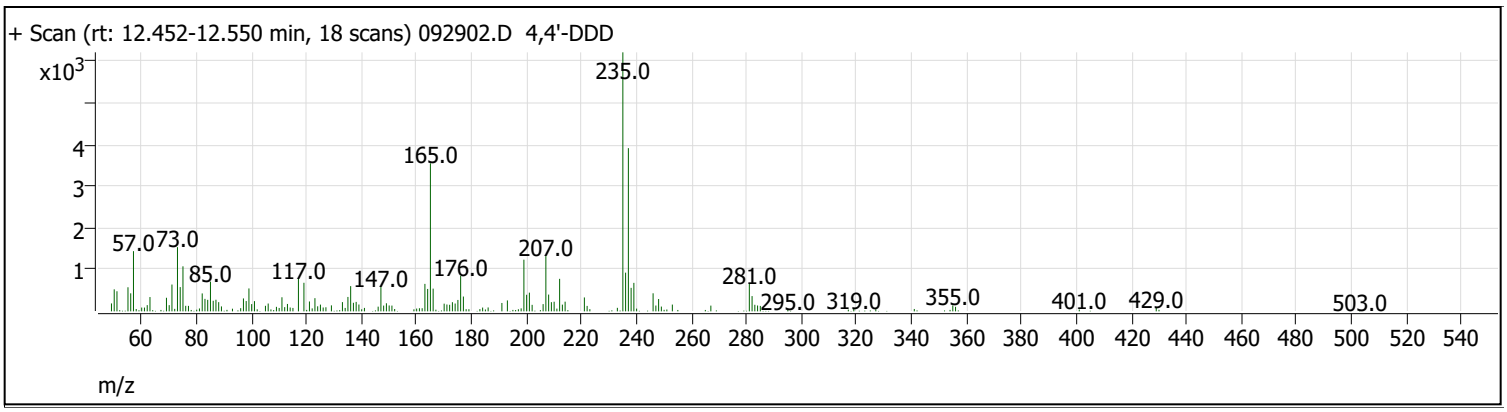






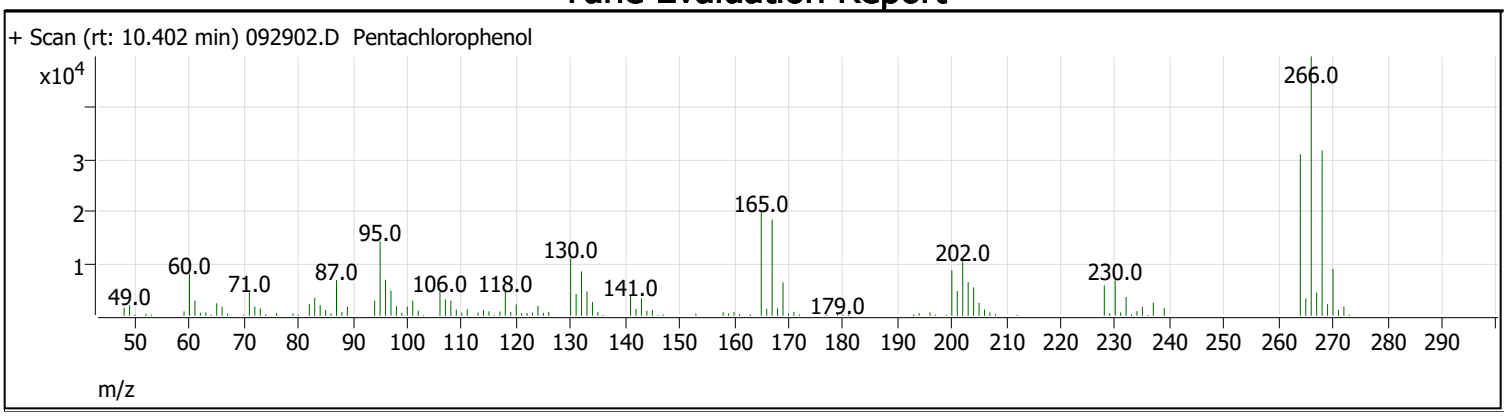


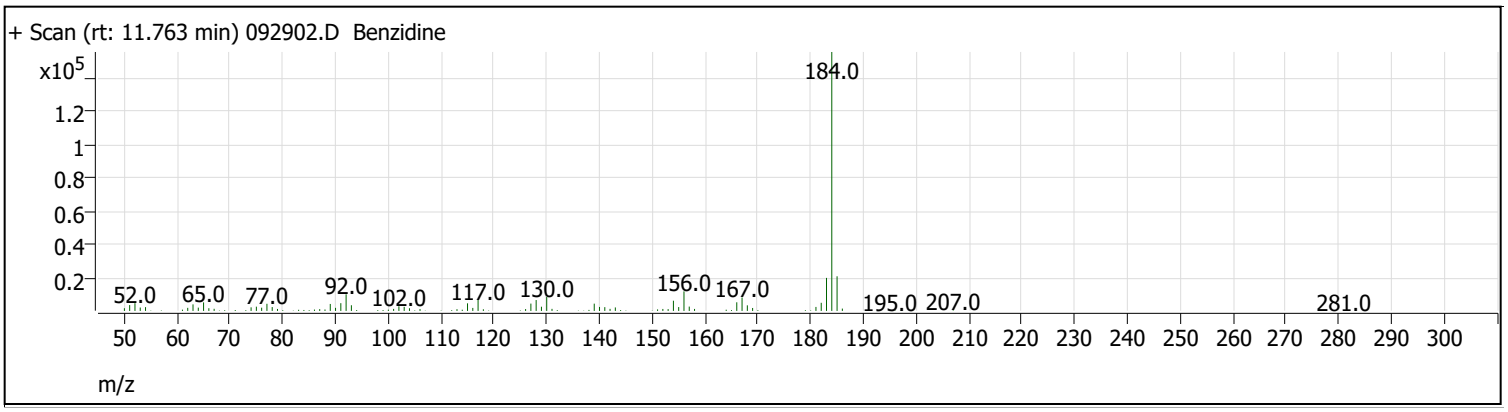




Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	12.600	12.555	1051673	0.0	Pass
4,4'-DDD	12.500	0.000	0		

Tune Evaluation Report





Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	10.540	10.402	1.5	4.4	Pass
Benzidine	11.906	11.763	2.5	3.5	Fail

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Shannon & Wilson
Ryan Peterson
400 N. 34th Street, Suite 100
Seattle, WA 98103

RE: 8801- Excavations
Work Order Number: 2109493

October 12, 2021

Attention Ryan Peterson:

Fremont Analytical, Inc. received 9 sample(s) on 9/29/2021 for the analyses presented in the following report.

Gasoline by NWTPH-Gx
Polychlorinated Biphenyls (PCB) by EPA 8082
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CLIENT: Shannon & Wilson
Project: 8801- Excavations
Work Order: 2109493

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109493-001	A3-SIDE17:2	09/28/2021 5:40 PM	09/29/2021 8:05 AM
2109493-002	A3-SIDE18:2	09/28/2021 5:45 PM	09/29/2021 8:05 AM
2109493-003	A3-SIDE19:2	09/28/2021 5:50 PM	09/29/2021 8:05 AM
2109493-004	A3-SIDE20:2	09/28/2021 5:55 PM	09/29/2021 8:05 AM
2109493-005	A3-BOT21:3	09/28/2021 6:00 PM	09/29/2021 8:05 AM
2109493-006	A3-BOT22:3	09/28/2021 6:03 PM	09/29/2021 8:05 AM
2109493-007	A3-BOT23:3	09/28/2021 6:05 PM	09/29/2021 8:05 AM
2109493-008	A3-SIDE100:2	09/28/2021 6:30 PM	09/29/2021 8:05 AM
2109493-009	TRIP-20210928		09/29/2021 8:05 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Revision v2

Case Narrative

WO#: **2109493**
Date: **10/12/2021**

CLIENT: Shannon & Wilson
Project: 8801- Excavations

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109493-001-008A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109493-001A-008A) required Florisil Cleanup Procedure (Using Method No 3620C).

10/5/2021: Revision 1 includes sample ID updates requested by client.

10/12/21: Revision 2 includes Level 2b data.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **2109493**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109493-001
Client Sample ID: A3-SIDE17:2

Collection Date: 9/28/2021 5:40:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33879			Analyst: IH
Aroclor 1016	ND	0.0597	0.00962		mg/Kg-dry	1	10/01/21 11:17:21
Aroclor 1221	ND	0.0597	0.00962		mg/Kg-dry	1	10/01/21 11:17:21
Aroclor 1232	ND	0.0597	0.00962		mg/Kg-dry	1	10/01/21 11:17:21
Aroclor 1242	ND	0.0597	0.00962		mg/Kg-dry	1	10/01/21 11:17:21
Aroclor 1248	ND	0.0597	0.0119		mg/Kg-dry	1	10/01/21 11:17:21
Aroclor 1254	0.0315	0.0597	0.0119	J	mg/Kg-dry	1	10/01/21 11:17:21
Aroclor 1260	ND	0.0597	0.0119		mg/Kg-dry	1	10/01/21 11:17:21
Aroclor 1262	ND	0.0597	0.0119		mg/Kg-dry	1	10/01/21 11:17:21
Aroclor 1268	ND	0.0597	0.0119		mg/Kg-dry	1	10/01/21 11:17:21
Total PCBs	0.0315	0.0597	0.0119	J	mg/Kg-dry	1	10/01/21 11:17:21
Surr: Decachlorobiphenyl	61.9	20.6 - 142			%Rec	1	10/01/21 11:17:21
Surr: Tetrachloro-m-xylene	46.0	22 - 157			%Rec	1	10/01/21 11:17:21
Gasoline by NWTPH-Gx				Batch ID: 33900			Analyst: CR
Gasoline	ND	5.88	2.35		mg/Kg-dry	1	10/01/21 13:27:34
Surr: Toluene-d8	98.9	65 - 135			%Rec	1	10/01/21 13:27:34
Surr: 4-Bromofluorobenzene	101	65 - 135			%Rec	1	10/01/21 13:27:34
Total Metals by EPA Method 6020B				Batch ID: 33875			Analyst: EH
Copper	335	9.70	1.82	D	mg/Kg-dry	10	09/30/21 22:05:09
Sample Moisture (Percent Moisture)				Batch ID: R70206			Analyst: ALB
Percent Moisture	18.2	0.500	0.100		wt%	1	09/29/21 9:37:40

Revision v2

Analytical Report

Work Order: **2109493**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109493-002
Client Sample ID: A3-SIDE18:2

Collection Date: 9/28/2021 5:45:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33879			Analyst: IH
Aroclor 1016	ND	0.0470	0.00758		mg/Kg-dry	1	10/01/21 11:27:07
Aroclor 1221	ND	0.0470	0.00758		mg/Kg-dry	1	10/01/21 11:27:07
Aroclor 1232	ND	0.0470	0.00758		mg/Kg-dry	1	10/01/21 11:27:07
Aroclor 1242	ND	0.0470	0.00758		mg/Kg-dry	1	10/01/21 11:27:07
Aroclor 1248	ND	0.0470	0.00935		mg/Kg-dry	1	10/01/21 11:27:07
Aroclor 1254	0.0707	0.0470	0.00935		mg/Kg-dry	1	10/01/21 11:27:07
Aroclor 1260	ND	0.0470	0.00935		mg/Kg-dry	1	10/01/21 11:27:07
Aroclor 1262	ND	0.0470	0.00935		mg/Kg-dry	1	10/01/21 11:27:07
Aroclor 1268	ND	0.0470	0.00935		mg/Kg-dry	1	10/01/21 11:27:07
Total PCBs	0.0707	0.0470	0.00935		mg/Kg-dry	1	10/01/21 11:27:07
Surr: Decachlorobiphenyl	97.9	20.6 - 142			%Rec	1	10/01/21 11:27:07
Surr: Tetrachloro-m-xylene	100	22 - 157			%Rec	1	10/01/21 11:27:07
Gasoline by NWTPH-Gx				Batch ID: 33900			Analyst: CR
Gasoline	ND	5.99	2.39		mg/Kg-dry	1	10/01/21 14:29:47
Surr: Toluene-d8	99.6	65 - 135			%Rec	1	10/01/21 14:29:47
Surr: 4-Bromofluorobenzene	103	65 - 135			%Rec	1	10/01/21 14:29:47
Total Metals by EPA Method 6020B				Batch ID: 33875			Analyst: EH
Copper	435	8.36	1.57	D	mg/Kg-dry	10	09/30/21 22:21:53
Sample Moisture (Percent Moisture)				Batch ID: R70206			Analyst: ALB
Percent Moisture	8.03	0.500	0.100		wt%	1	09/29/21 9:37:40

Revision v2

Analytical Report

Work Order: **2109493**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109493-003
Client Sample ID: A3-SIDE19:2

Collection Date: 9/28/2021 5:50:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33879			Analyst: IH
Aroclor 1016	ND	0.0518	0.00835		mg/Kg-dry	1	10/01/21 11:36:48
Aroclor 1221	ND	0.0518	0.00835		mg/Kg-dry	1	10/01/21 11:36:48
Aroclor 1232	ND	0.0518	0.00835		mg/Kg-dry	1	10/01/21 11:36:48
Aroclor 1242	ND	0.0518	0.00835		mg/Kg-dry	1	10/01/21 11:36:48
Aroclor 1248	ND	0.0518	0.0103		mg/Kg-dry	1	10/01/21 11:36:48
Aroclor 1254	0.0423	0.0518	0.0103	J	mg/Kg-dry	1	10/01/21 11:36:48
Aroclor 1260	ND	0.0518	0.0103		mg/Kg-dry	1	10/01/21 11:36:48
Aroclor 1262	ND	0.0518	0.0103		mg/Kg-dry	1	10/01/21 11:36:48
Aroclor 1268	ND	0.0518	0.0103		mg/Kg-dry	1	10/01/21 11:36:48
Total PCBs	0.0423	0.0518	0.0103	J	mg/Kg-dry	1	10/01/21 11:36:48
Surr: Decachlorobiphenyl	91.5	20.6 - 142			%Rec	1	10/01/21 11:36:48
Surr: Tetrachloro-m-xylene	80.0	22 - 157			%Rec	1	10/01/21 11:36:48
Gasoline by NWTPH-Gx				Batch ID: 33900			Analyst: CR
Gasoline	ND	5.53	2.21		mg/Kg-dry	1	10/01/21 15:00:52
Surr: Toluene-d8	100	65 - 135			%Rec	1	10/01/21 15:00:52
Surr: 4-Bromofluorobenzene	102	65 - 135			%Rec	1	10/01/21 15:00:52
Total Metals by EPA Method 6020B				Batch ID: 33875			Analyst: EH
Copper	229	8.33	1.56	D	mg/Kg-dry	10	09/30/21 22:27:26
Sample Moisture (Percent Moisture)				Batch ID: R70206			Analyst: ALB
Percent Moisture	10.5	0.500	0.100		wt%	1	09/29/21 9:37:40

Revision v2

Analytical Report

Work Order: **2109493**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109493-004
Client Sample ID: A3-SIDE20:2

Collection Date: 9/28/2021 5:55:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33879			Analyst: IH
Aroclor 1016	ND	0.0523	0.00842		mg/Kg-dry	1	10/01/21 11:46:30
Aroclor 1221	ND	0.0523	0.00842		mg/Kg-dry	1	10/01/21 11:46:30
Aroclor 1232	ND	0.0523	0.00842		mg/Kg-dry	1	10/01/21 11:46:30
Aroclor 1242	ND	0.0523	0.00842		mg/Kg-dry	1	10/01/21 11:46:30
Aroclor 1248	ND	0.0523	0.0104		mg/Kg-dry	1	10/01/21 11:46:30
Aroclor 1254	0.0563	0.0523	0.0104		mg/Kg-dry	1	10/01/21 11:46:30
Aroclor 1260	ND	0.0523	0.0104		mg/Kg-dry	1	10/01/21 11:46:30
Aroclor 1262	ND	0.0523	0.0104		mg/Kg-dry	1	10/01/21 11:46:30
Aroclor 1268	ND	0.0523	0.0104		mg/Kg-dry	1	10/01/21 11:46:30
Total PCBs	0.0563	0.0523	0.0104		mg/Kg-dry	1	10/01/21 11:46:30
Surr: Decachlorobiphenyl	79.6	20.6 - 142			%Rec	1	10/01/21 11:46:30
Surr: Tetrachloro-m-xylene	83.8	22 - 157			%Rec	1	10/01/21 11:46:30
Gasoline by NWTPH-Gx				Batch ID: 33900			Analyst: CR
Gasoline	ND	6.86	2.74		mg/Kg-dry	1	10/01/21 15:32:00
Surr: Toluene-d8	100	65 - 135			%Rec	1	10/01/21 15:32:00
Surr: 4-Bromofluorobenzene	103	65 - 135			%Rec	1	10/01/21 15:32:00
Total Metals by EPA Method 6020B				Batch ID: 33875			Analyst: EH
Copper	610	9.32	1.74	D	mg/Kg-dry	10	09/30/21 22:33:00
Sample Moisture (Percent Moisture)				Batch ID: R70206			Analyst: ALB
Percent Moisture	13.5	0.500	0.100		wt%	1	09/29/21 9:37:40

Revision v2

Client: Shannon & Wilson
Collection Date: 9/28/2021 6:00:00 PM
Project: 8801- Excavations
Lab ID: 2109493-005
Matrix: Soil
Client Sample ID: A3-BOT21:3

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33879			Analyst: IH
Aroclor 1016	ND	0.0564	0.00909		mg/Kg-dry	1	10/01/21 11:56:15
Aroclor 1221	ND	0.0564	0.00909		mg/Kg-dry	1	10/01/21 11:56:15
Aroclor 1232	ND	0.0564	0.00909		mg/Kg-dry	1	10/01/21 11:56:15
Aroclor 1242	ND	0.0564	0.00909		mg/Kg-dry	1	10/01/21 11:56:15
Aroclor 1248	ND	0.0564	0.0112		mg/Kg-dry	1	10/01/21 11:56:15
Aroclor 1254	0.617	0.0564	0.0112		mg/Kg-dry	1	10/01/21 11:56:15
Aroclor 1260	ND	0.0564	0.0112		mg/Kg-dry	1	10/01/21 11:56:15
Aroclor 1262	ND	0.0564	0.0112		mg/Kg-dry	1	10/01/21 11:56:15
Aroclor 1268	ND	0.0564	0.0112		mg/Kg-dry	1	10/01/21 11:56:15
Total PCBs	0.617	0.0564	0.0112		mg/Kg-dry	1	10/01/21 11:56:15
Surr: Decachlorobiphenyl	101	20.6 - 142			%Rec	1	10/01/21 11:56:15
Surr: Tetrachloro-m-xylene	94.7	22 - 157			%Rec	1	10/01/21 11:56:15
Gasoline by NWTPH-Gx				Batch ID: 33900			Analyst: CR
Gasoline	ND	4.09	1.63		mg/Kg-dry	1	10/01/21 16:03:08
Gasoline Range Organics (C6-C12)	33.6	4.09	0.629		mg/Kg-dry	1	10/01/21 16:03:08
Surr: Toluene-d8	99.4	65 - 135			%Rec	1	10/01/21 16:03:08
Surr: 4-Bromofluorobenzene	105	65 - 135			%Rec	1	10/01/21 16:03:08

NOTES:
GRO - Indicates the presence of unresolved compounds in the gasoline range.

Total Metals by EPA Method 6020B				Batch ID: 33875			Analyst: EH
Copper	1,210	8.88	1.66	D	mg/Kg-dry	10	09/30/21 22:38:33
Sample Moisture (Percent Moisture)				Batch ID: R70206			Analyst: ALB
Percent Moisture	12.0	0.500	0.100		wt%	1	09/29/21 9:37:40

Analytical Report

Work Order: **2109493**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109493-006
Client Sample ID: **A3-BOT22:3**

Collection Date: 9/28/2021 6:03:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33879			Analyst: IH
Aroclor 1016	ND	0.0532	0.00856		mg/Kg-dry	1	10/01/21 12:06:00
Aroclor 1221	ND	0.0532	0.00856		mg/Kg-dry	1	10/01/21 12:06:00
Aroclor 1232	ND	0.0532	0.00856		mg/Kg-dry	1	10/01/21 12:06:00
Aroclor 1242	ND	0.0532	0.00856		mg/Kg-dry	1	10/01/21 12:06:00
Aroclor 1248	ND	0.0532	0.0106		mg/Kg-dry	1	10/01/21 12:06:00
Aroclor 1254	0.119	0.0532	0.0106		mg/Kg-dry	1	10/01/21 12:06:00
Aroclor 1260	ND	0.0532	0.0106		mg/Kg-dry	1	10/01/21 12:06:00
Aroclor 1262	ND	0.0532	0.0106		mg/Kg-dry	1	10/01/21 12:06:00
Aroclor 1268	ND	0.0532	0.0106		mg/Kg-dry	1	10/01/21 12:06:00
Total PCBs	0.119	0.0532	0.0106		mg/Kg-dry	1	10/01/21 12:06:00
Surr: Decachlorobiphenyl	80.4	20.6 - 142			%Rec	1	10/01/21 12:06:00
Surr: Tetrachloro-m-xylene	85.3	22 - 157			%Rec	1	10/01/21 12:06:00
Gasoline by NWTPH-Gx				Batch ID: 33900			Analyst: CR
Gasoline	5.19	6.15	2.46	J	mg/Kg-dry	1	10/04/21 7:48:33
Surr: Toluene-d8	97.6	65 - 135			%Rec	1	10/04/21 7:48:33
Surr: 4-Bromofluorobenzene	106	65 - 135			%Rec	1	10/04/21 7:48:33
Total Metals by EPA Method 6020B				Batch ID: 33875			Analyst: EH
Copper	753	8.58	1.61	D	mg/Kg-dry	10	09/30/21 22:44:07
Sample Moisture (Percent Moisture)				Batch ID: R70206			Analyst: ALB
Percent Moisture	11.0	0.500	0.100		wt%	1	09/29/21 9:37:40

Revision v2

Client: Shannon & Wilson
Collection Date: 9/28/2021 6:05:00 PM
Project: 8801- Excavations
Lab ID: 2109493-007
Matrix: Soil
Client Sample ID: A3-BOT23:3

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33879			Analyst: IH
Aroclor 1016	ND	0.0464	0.00748		mg/Kg-dry	1	10/01/21 12:15:45
Aroclor 1221	ND	0.0464	0.00748		mg/Kg-dry	1	10/01/21 12:15:45
Aroclor 1232	ND	0.0464	0.00748		mg/Kg-dry	1	10/01/21 12:15:45
Aroclor 1242	ND	0.0464	0.00748		mg/Kg-dry	1	10/01/21 12:15:45
Aroclor 1248	ND	0.0464	0.00923		mg/Kg-dry	1	10/01/21 12:15:45
Aroclor 1254	0.210	0.0464	0.00923		mg/Kg-dry	1	10/01/21 12:15:45
Aroclor 1260	ND	0.0464	0.00923		mg/Kg-dry	1	10/01/21 12:15:45
Aroclor 1262	ND	0.0464	0.00923		mg/Kg-dry	1	10/01/21 12:15:45
Aroclor 1268	ND	0.0464	0.00923		mg/Kg-dry	1	10/01/21 12:15:45
Total PCBs	0.210	0.0464	0.00923		mg/Kg-dry	1	10/01/21 12:15:45
Surr: Decachlorobiphenyl	109	20.6 - 142			%Rec	1	10/01/21 12:15:45
Surr: Tetrachloro-m-xylene	111	22 - 157			%Rec	1	10/01/21 12:15:45
Gasoline by NWTPH-Gx				Batch ID: 33900			Analyst: CR
Gasoline	ND	5.34	2.13		mg/Kg-dry	1	10/01/21 17:05:30
Gasoline Range Organics (C6-C12)	22.7	5.34	0.822		mg/Kg-dry	1	10/01/21 17:05:30
Surr: Toluene-d8	99.4	65 - 135			%Rec	1	10/01/21 17:05:30
Surr: 4-Bromofluorobenzene	105	65 - 135			%Rec	1	10/01/21 17:05:30

NOTES:
GRO - Indicates the presence of unresolved compounds in the gasoline range.

Total Metals by EPA Method 6020B				Batch ID: 33875			Analyst: EH
Copper	873	8.32	1.56	D	mg/Kg-dry	10	09/30/21 22:49:40
Sample Moisture (Percent Moisture)				Batch ID: R70206			Analyst: ALB
Percent Moisture	9.59	0.500	0.100		wt%	1	09/29/21 9:37:40

Analytical Report

Work Order: **2109493**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109493-008
Client Sample ID: A3-SIDE100:2

Collection Date: 9/28/2021 6:30:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33879			Analyst: IH
Aroclor 1016	ND	0.0461	0.00744		mg/Kg-dry	1	10/01/21 12:25:28
Aroclor 1221	ND	0.0461	0.00744		mg/Kg-dry	1	10/01/21 12:25:28
Aroclor 1232	ND	0.0461	0.00744		mg/Kg-dry	1	10/01/21 12:25:28
Aroclor 1242	ND	0.0461	0.00744		mg/Kg-dry	1	10/01/21 12:25:28
Aroclor 1248	ND	0.0461	0.00917		mg/Kg-dry	1	10/01/21 12:25:28
Aroclor 1254	0.0585	0.0461	0.00917		mg/Kg-dry	1	10/01/21 12:25:28
Aroclor 1260	ND	0.0461	0.00917		mg/Kg-dry	1	10/01/21 12:25:28
Aroclor 1262	ND	0.0461	0.00917		mg/Kg-dry	1	10/01/21 12:25:28
Aroclor 1268	ND	0.0461	0.00917		mg/Kg-dry	1	10/01/21 12:25:28
Total PCBs	0.0585	0.0461	0.00917		mg/Kg-dry	1	10/01/21 12:25:28
Surr: Decachlorobiphenyl	96.8	20.6 - 142			%Rec	1	10/01/21 12:25:28
Surr: Tetrachloro-m-xylene	90.6	22 - 157			%Rec	1	10/01/21 12:25:28
Gasoline by NWTPH-Gx				Batch ID: 33900			Analyst: CR
Gasoline	ND	7.73	3.09		mg/Kg-dry	1	10/04/21 8:19:29
Gasoline Range Organics (C6-C12)	22.5	7.73	1.19		mg/Kg-dry	1	10/04/21 8:19:29
Surr: Toluene-d8	98.8	65 - 135			%Rec	1	10/04/21 8:19:29
Surr: 4-Bromofluorobenzene	104	65 - 135			%Rec	1	10/04/21 8:19:29

NOTES:
Gasoline Range Organics - Chromatographic pattern indicates that detection is due to a single non-target compound.

Total Metals by EPA Method 6020B				Batch ID: 33875			Analyst: EH
Copper	267	8.24	1.54	D	mg/Kg-dry	10	09/30/21 22:55:13
Sample Moisture (Percent Moisture)				Batch ID: R70206			Analyst: ALB
Percent Moisture	7.32	0.500	0.100		wt%	1	09/29/21 9:37:40

Analytical Report

Work Order: **2109493**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2109493-009
Client Sample ID: **TRIP-20210928**

Collection Date:
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 33900			Analyst: CR
Gasoline	ND	5.00	2.00		mg/Kg	1	10/01/21 11:54:08
Surr: Toluene-d8	101	65 - 135			%Rec	1	10/01/21 11:54:08
Surr: 4-Bromofluorobenzene	102	65 - 135			%Rec	1	10/01/21 11:54:08

Work Order: 2109493
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **ICB-33875**	SampType: **ICB**			Units: **µg/L**		Prep Date: **9/30/2021**			RunNo: **70275**	
Client ID: **ICB**	Batch ID: **33875**					Analysis Date: **9/30/2021**			SeqNo: **1426309**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICV-33875**	SampType: **ICV**			Units: **µg/L**		Prep Date: **9/30/2021**			RunNo: **70275**	
Client ID: **ICV**	Batch ID: **33875**					Analysis Date: **9/30/2021**			SeqNo: **1426310**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	103	10.0	100.0	0	103	90	110				

Sample ID: **CCV-33875A**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/30/2021**			RunNo: **70275**	
Client ID: **CCV**	Batch ID: **33875**					Analysis Date: **9/30/2021**			SeqNo: **1426314**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	101	10.0	100.0	0	101	90	110				

Sample ID: **CCB-33875A**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/30/2021**			RunNo: **70275**	
Client ID: **CCB**	Batch ID: **33875**					Analysis Date: **9/30/2021**			SeqNo: **1426315**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **MB-33875**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **9/29/2021**			RunNo: **70275**	
Client ID: **MBLKS**	Batch ID: **33875**					Analysis Date: **9/30/2021**			SeqNo: **1426316**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.205	0.775									J

Work Order: 2109493
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **LCS-33875**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **9/29/2021**			RunNo: **70275**		
Client ID: **LCSS**	Batch ID: **33875**					Analysis Date: **9/30/2021**			SeqNo: **1426317**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	41.4	0.752	37.59	0	110	80	120				

Sample ID: **2109389-005AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **9/29/2021**			RunNo: **70275**		
Client ID: **BATCH**	Batch ID: **33875**					Analysis Date: **9/30/2021**			SeqNo: **1426320**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	71.3	8.12	40.60	26.48	110	75	125				D

Sample ID: **2109389-005AMSD**	SampType: **MSD**			Units: **mg/Kg-dry**		Prep Date: **9/29/2021**			RunNo: **70275**		
Client ID: **BATCH**	Batch ID: **33875**					Analysis Date: **9/30/2021**			SeqNo: **1426321**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	69.1	8.24	41.22	26.48	104	75	125	71.27	3.02	20	D

Sample ID: **CCV-33875B**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/30/2021**			RunNo: **70275**		
Client ID: **CCV**	Batch ID: **33875**					Analysis Date: **9/30/2021**			SeqNo: **1426324**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	103	10.0	100.0	0	103	90	110				

Sample ID: **CCB-33875B**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/30/2021**			RunNo: **70275**		
Client ID: **CCB**	Batch ID: **33875**					Analysis Date: **9/30/2021**			SeqNo: **1426325**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Work Order: 2109493
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-33875C**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/30/2021**			RunNo: **70275**	
Client ID: **CCV**	Batch ID: **33875**					Analysis Date: **9/30/2021**			SeqNo: **1426336**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	106	10.0	100.0	0	106	90	110				

Sample ID: **CCB-33875C**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/30/2021**			RunNo: **70275**	
Client ID: **CCB**	Batch ID: **33875**					Analysis Date: **9/30/2021**			SeqNo: **1426337**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33875D**	SampType: **CCV**			Units: **µg/L**		Prep Date: **9/30/2021**			RunNo: **70275**	
Client ID: **CCV**	Batch ID: **33875**					Analysis Date: **9/30/2021**			SeqNo: **1426348**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	97.1	10.0	100.0	0	97.1	90	110				

Sample ID: **CCB-33875D**	SampType: **CCB**			Units: **µg/L**		Prep Date: **9/30/2021**			RunNo: **70275**	
Client ID: **CCB**	Batch ID: **33875**					Analysis Date: **9/30/2021**			SeqNo: **1426349**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICB-33875A**	SampType: **ICB**			Units: **µg/L**		Prep Date: **10/11/2021**			RunNo: **70275**	
Client ID: **ICB**	Batch ID: **33875**					Analysis Date: **10/11/2021**			SeqNo: **1431001**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Work Order: 2109493
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **ICV-33875A**	SampType: **ICV**			Units: **µg/L**		Prep Date: **10/11/2021**		RunNo: **70275**		
Client ID: **ICV**	Batch ID: **33875**					Analysis Date: **10/11/2021**		SeqNo: **1431004**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	97.8	10.0	100.0	0	97.8	90	110				

Sample ID: **CCV-33875E**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/11/2021**		RunNo: **70275**		
Client ID: **CCV**	Batch ID: **33875**					Analysis Date: **10/11/2021**		SeqNo: **1431006**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	102	10.0	100.0	0	102	90	110				

Sample ID: **CCB-33875E**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/11/2021**		RunNo: **70275**		
Client ID: **CCB**	Batch ID: **33875**					Analysis Date: **10/11/2021**		SeqNo: **1431007**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33875F**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/11/2021**		RunNo: **70275**		
Client ID: **CCV**	Batch ID: **33875**					Analysis Date: **10/11/2021**		SeqNo: **1431011**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	99.0	10.0	100.0	0	99.0	90	110				

Sample ID: **CCB-33875F**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/11/2021**		RunNo: **70275**		
Client ID: **CCB**	Batch ID: **33875**					Analysis Date: **10/11/2021**		SeqNo: **1431012**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Work Order: 2109493
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1660 ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICB**	Batch ID: **33879**		Analysis Date: **9/30/2021**	SeqNo: **1425542**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1260	ND	0.0500									
Surr: Decachlorobiphenyl	216		200.0		108	50.2	159				
Surr: Tetrachloro-m-xylene	188		200.0		94.0	60.3	134				

Sample ID: **1660 ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICV**	Batch ID: **33879**		Analysis Date: **9/30/2021**	SeqNo: **1425544**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.845	0.0500	1.000	0	84.5	80	120				
Aroclor 1260	0.810	0.0500	1.000	0	81.0	80	120				
Surr: Decachlorobiphenyl	162		200.0		81.0	30.2	155				
Surr: Tetrachloro-m-xylene	160		200.0		79.9	58.8	143				

Sample ID: **1254 ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICB**	Batch ID: **33879**		Analysis Date: **9/30/2021**	SeqNo: **1425552**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	ND	0.0500									
Surr: Decachlorobiphenyl	219		200.0		110	50.2	159				
Surr: Tetrachloro-m-xylene	214		200.0		107	60.3	134				

Sample ID: **1254 ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICV**	Batch ID: **33879**		Analysis Date: **9/30/2021**	SeqNo: **1425553**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.08	0.0500	1.000	0	108	80	120				
Surr: Decachlorobiphenyl	204		200.0		102	30.2	155				
Surr: Tetrachloro-m-xylene	203		200.0		101	58.8	143				

Work Order: 2109493
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1254 ICV** SampType: **ICV** Units: **mg/Kg** Prep Date: **9/30/2021** RunNo: **70254**
Client ID: **ICV** Batch ID: **33879** Analysis Date: **9/30/2021** SeqNo: **1425553**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **1660-CCV-33879A** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/30/2021** RunNo: **70313**
Client ID: **CCV** Batch ID: **33879** Analysis Date: **9/30/2021** SeqNo: **1427017**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.06	0.0500	1.000	0	106	80	120				
Aroclor 1260	1.04	0.0500	1.000	0	104	80	120				
Surr: Decachlorobiphenyl	199		200.0		99.7	30.2	155				
Surr: Tetrachloro-m-xylene	199		200.0		99.6	58.8	143				

Sample ID: **1254-CCV-33879A** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/30/2021** RunNo: **70313**
Client ID: **CCV** Batch ID: **33879** Analysis Date: **9/30/2021** SeqNo: **1427018**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.21	0.0500	1.000	0	121	80	120				S
Surr: Decachlorobiphenyl	215		200.0		107	30.2	155				
Surr: Tetrachloro-m-xylene	218		200.0		109	58.8	143				

NOTES:
S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Sample ID: **MB-33879** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/29/2021** RunNo: **70313**
Client ID: **MBLKS** Batch ID: **33879** Analysis Date: **9/30/2021** SeqNo: **1427019**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1221	ND	0.0500									
Aroclor 1232	ND	0.0500									
Aroclor 1242	ND	0.0500									
Aroclor 1248	ND	0.0500									
Aroclor 1254	ND	0.0500									

Work Order: 2109493
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **MB-33879**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **9/29/2021**		RunNo: **70313**		
Client ID: **MBLKS**	Batch ID: **33879**					Analysis Date: **9/30/2021**		SeqNo: **1427019**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1260	ND	0.0500									
Aroclor 1262	ND	0.0500									
Aroclor 1268	ND	0.0500									
Total PCBs	ND	0.0500									
Surr: Decachlorobiphenyl	201		200.0		101	20.6	142				
Surr: Tetrachloro-m-xylene	205		200.0		103	22	157				

Sample ID: **LCS1-33879**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **9/29/2021**		RunNo: **70313**		
Client ID: **LCSS**	Batch ID: **33879**					Analysis Date: **9/30/2021**		SeqNo: **1427020**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.31	0.0500	1.000	0	131	52.2	136				
Aroclor 1260	1.08	0.0500	1.000	0	108	50.5	150				
Surr: Decachlorobiphenyl	204		200.0		102	20.6	142				
Surr: Tetrachloro-m-xylene	210		200.0		105	22	157				

Sample ID: **LCS2-33879**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **9/29/2021**		RunNo: **70313**		
Client ID: **LCSS**	Batch ID: **33879**					Analysis Date: **9/30/2021**		SeqNo: **1427021**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.10	0.0500	1.000	0	110	48.1	147				
Surr: Decachlorobiphenyl	207		200.0		103	20.6	142				
Surr: Tetrachloro-m-xylene	217		200.0		108	22	157				

Sample ID: **2109493-008AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **9/29/2021**		RunNo: **70313**		
Client ID: **A3-SIDE100:2**	Batch ID: **33879**					Analysis Date: **9/30/2021**		SeqNo: **1427024**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.28	0.0468	0.9358	0	137	38.6	146				

Work Order: 2109493
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **2109493-008AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/29/2021** RunNo: **70313**
Client ID: **A3-SIDE100:2** Batch ID: **33879** Analysis Date: **9/30/2021** SeqNo: **1427024**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1260	1.13	0.0468	0.9358	0	120	24.6	161				
Surr: Decachlorobiphenyl	210		187.2		112	20.6	142				
Surr: Tetrachloro-m-xylene	203		187.2		108	22	157				

Sample ID: **2109493-008AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/29/2021** RunNo: **70313**
Client ID: **A3-SIDE100:2** Batch ID: **33879** Analysis Date: **9/30/2021** SeqNo: **1427025**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.25	0.0450	0.9006	0	139	38.6	146	1.284	2.82	30	
Aroclor 1260	1.03	0.0450	0.9006	0	115	24.6	161	1.126	8.65	30	
Surr: Decachlorobiphenyl	182		180.1		101	20.6	142		0		
Surr: Tetrachloro-m-xylene	181		180.1		101	22	157		0		

Sample ID: **1660-CCV-33879B** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/30/2021** RunNo: **70313**
Client ID: **CCV** Batch ID: **33879** Analysis Date: **9/30/2021** SeqNo: **1427026**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.32	0.0500	1.000	0	132	80	120				S
Aroclor 1260	1.16	0.0500	1.000	0	116	80	120				
Surr: Decachlorobiphenyl	219		200.0		110	30.2	155				
Surr: Tetrachloro-m-xylene	217		200.0		108	58.8	143				

NOTES:
S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Sample ID: **1254-CCV-33879B** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/30/2021** RunNo: **70313**
Client ID: **CCV** Batch ID: **33879** Analysis Date: **9/30/2021** SeqNo: **1427027**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.34	0.0500	1.000	0	134	80	120				S
Surr: Decachlorobiphenyl	238		200.0		119	30.2	155				

Work Order: 2109493
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1254-CCV-33879B** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/30/2021** RunNo: **70313**
Client ID: **CCV** Batch ID: **33879** Analysis Date: **9/30/2021** SeqNo: **1427027**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	237		200.0		119	58.8	143				

NOTES:
S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Sample ID: **1660-CCV-33879C** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/1/2021** RunNo: **70313**
Client ID: **CCV** Batch ID: **33879** Analysis Date: **10/1/2021** SeqNo: **1435520**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.02	0.0500	1.000	0	102	80	120				
Aroclor 1260	1.05	0.0500	1.000	0	105	80	120				
Surr: Decachlorobiphenyl	189		200.0		94.4	30.2	155				
Surr: Tetrachloro-m-xylene	182		200.0		90.9	58.8	143				

Sample ID: **1254-CCV-33879C** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/1/2021** RunNo: **70313**
Client ID: **CCV** Batch ID: **33879** Analysis Date: **10/1/2021** SeqNo: **1427028**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.918	0.0500	1.000	0	91.8	80	120				
Surr: Decachlorobiphenyl	168		200.0		84.0	30.2	155				
Surr: Tetrachloro-m-xylene	183		200.0		91.4	58.8	143				

Sample ID: **1660-CCV-33879D** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/1/2021** RunNo: **70313**
Client ID: **CCV** Batch ID: **33879** Analysis Date: **10/1/2021** SeqNo: **1435521**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.07	0.0500	1.000	0	107	80	120				
Aroclor 1260	1.02	0.0500	1.000	0	102	80	120				
Surr: Decachlorobiphenyl	172		200.0		86.1	30.2	155				
Surr: Tetrachloro-m-xylene	182		200.0		91.2	58.8	143				

Work Order: 2109493
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1254-CCV-33879D** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/1/2021** RunNo: **70313**
Client ID: **CCV** Batch ID: **33879** Analysis Date: **10/1/2021** SeqNo: **1427037**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.01	0.0500	1.000	0	101	80	120				
Surr: Decachlorobiphenyl	183		200.0		91.5	30.2	155				
Surr: Tetrachloro-m-xylene	190		200.0		95.2	58.8	143				

Work Order: 2109493
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **70221 MP GX**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **9/29/2021**	RunNo: **70308**
Client ID: **CCV**	Batch ID: **33900**		Analysis Date: **9/29/2021**	SeqNo: **1426933**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	489	5.00	500.0	0	97.9	80	120				
Surr: Toluene-d8	25.0		25.00		100	65	135				
Surr: 4-Bromofluorobenzene	25.2		25.00		101	65	135				

Sample ID: **ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **9/29/2021**	RunNo: **70221**
Client ID: **ICB**	Batch ID: **33900**		Analysis Date: **9/29/2021**	SeqNo: **1424668**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	35.6	5.00									
Surr: Toluene-d8	24.9		25.00		99.8	65	135				
Surr: 4-Bromofluorobenzene	24.6		25.00		98.5	65	135				

Sample ID: **ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **9/29/2021**	RunNo: **70221**
Client ID: **ICV**	Batch ID: **33900**		Analysis Date: **9/29/2021**	SeqNo: **1424669**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	561	5.00	500.0	0	112	80	120				
Surr: Toluene-d8	24.9		25.00		99.6	65	135				
Surr: 4-Bromofluorobenzene	24.9		25.00		99.4	65	135				

Sample ID: **CCV-33900A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/1/2021**	RunNo: **70308**
Client ID: **CCV**	Batch ID: **33900**		Analysis Date: **10/1/2021**	SeqNo: **1426957**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	593	5.00	500.0	0	119	80	120				
Surr: Toluene-d8	25.7		25.00		103	65	135				
Surr: 4-Bromofluorobenzene	25.4		25.00		102	65	135				

Work Order: 2109493
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **MB-33900**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70308**
Client ID: **MBLKS**	Batch ID: **33900**		Analysis Date: **10/1/2021**	SeqNo: **1426958**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.25		1.250		99.9	65	135				
Surr: 4-Bromofluorobenzene	1.25		1.250		100	65	135				

Sample ID: **LCS-33900**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70308**
Client ID: **LCSS**	Batch ID: **33900**		Analysis Date: **10/1/2021**	SeqNo: **1426960**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	25.4	5.00	25.00	0	102	65	135				
Surr: Toluene-d8	1.24		1.250		99.0	65	135				
Surr: 4-Bromofluorobenzene	1.30		1.250		104	65	135				

Sample ID: **2109493-001BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **9/30/2021**	RunNo: **70308**
Client ID: **A3-SIDE17:2**	Batch ID: **33900**		Analysis Date: **10/1/2021**	SeqNo: **1426962**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.88						0	0	30	
Surr: Toluene-d8	1.48		1.469		100	65	135		0		
Surr: 4-Bromofluorobenzene	1.50		1.469		102	65	135		0		

Sample ID: **2110017-001ADUP**	SampType: **DUP**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70308**
Client ID: **BATCH**	Batch ID: **33900**		Analysis Date: **10/1/2021**	SeqNo: **1426972**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	5.35	4.32						4.546	16.3	30	
Surr: Toluene-d8	1.03		1.080		95.7	65	135		0		
Surr: 4-Bromofluorobenzene	1.10		1.080		101	65	135		0		

Work Order: 2109493
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **2109493-002BMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **9/30/2021**	RunNo: **70308**
Client ID: **A3-SIDE18:2**	Batch ID: **33900**		Analysis Date: **10/1/2021**	SeqNo: **1426973**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	39.5	5.99	29.97	0	132	65	135				
Surr: Toluene-d8	1.50		1.498		100	65	135				
Surr: 4-Bromofluorobenzene	1.57		1.498		105	65	135				

Sample ID: **CCV-33900B**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/1/2021**	RunNo: **70308**
Client ID: **CCV**	Batch ID: **33900**		Analysis Date: **10/1/2021**	SeqNo: **1426974**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	555	5.00	500.0	0	111	80	120				
Surr: Toluene-d8	25.5		25.00		102	65	135				
Surr: 4-Bromofluorobenzene	25.3		25.00		101	65	135				

Sample ID: **CCV-33900C**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/4/2021**	RunNo: **70308**
Client ID: **CCV**	Batch ID: **33900**		Analysis Date: **10/4/2021**	SeqNo: **1426975**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	525	5.00	500.0	0	105	80	120				
Surr: Toluene-d8	25.6		25.00		102	65	135				
Surr: 4-Bromofluorobenzene	25.3		25.00		101	65	135				

Sample ID: **CCV-33900D**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/4/2021**	RunNo: **70308**
Client ID: **CCV**	Batch ID: **33900**		Analysis Date: **10/4/2021**	SeqNo: **1426980**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	505	5.00	500.0	0	101	80	120				
Surr: Toluene-d8	25.7		25.00		103	65	135				
Surr: 4-Bromofluorobenzene	25.4		25.00		102	65	135				

Sample Log-In Check List

Client Name:	**SW**	Work Order Number:	**2109493**
Logged by:	**Gabrielle Coeuille**	Date Received:	**9/29/2021 8:05:00 AM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >2°C to 6°C *	Yes ☑	No ☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	4.4

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9/28/21 Page: 1 of: 1

Laboratory Project No (internal): 2109493

Special Remarks: Refer to project methods and analyte list.

Project Name: 8801 - Excavations

Project No: 103485-008

Collected by: Ryan Peterson

Location: Tukwila, WA

Report To (PM): Ryan Peterson

PM Email: RSP@shanwil.com

Sample Disposal: ☐ Return to client ☑ Disposal by lab (after 30 days)

Client: Shannon & Wilson

Address: 400 N. 34th Street, Suite 100

City, State, Zip: Seattle, WA 98103

Telephone:

Fax:

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	A3-SIDE17:2	9/28	1740	S	3			X				X		X			
2	A3-SIDE18:2		1745		3			X				X		X			
3	A3-SIDE19:2		1750		3			X				X		X			
4	A3-SIDE20:2		1755		3			X				X		X			
5	A3-SIDE21:3		1800		3			X				X		X			
6	A3-SIDE22:3		1803		3			X				X		X			
7	A3-SIDE23:3		1805	↓	3			X				X		X			
8	A3-SIDE100:2		1830	S	3			X				X		X			
9	TMP-20210928	↓	1700	-	1			X									
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☑ 3 Day ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	RYAN PETERSON	9/28/21 1700	x	Alex Trejo	9/29/21 8:05
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9/28/21 Page: 1 of: 1

Laboratory Project No (internal): 2109493

Project Name: 8801 - Excavations

Special Remarks: Refer to project methods and analyte list.

Edits per RP 10/5/21 -CG

Client: Shannon & Wilson

Project No: 103485-008

Address: 400 N. 34th Street, Suite 100

Collected by: Ryan Peterson

City, State, Zip: Seattle, WA 98103

Location: Tukwila, WA

Telephone:

Report To (PM): Ryan Peterson

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax:

PM Email: RSP@shanwil.com

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	A3-SIDE17:2	9/28	1740	S	3			X				X		X			
2	A3-SIDE18:2		1745		3			X				X		X			
3	A3-SIDE19:2		1750		3			X				X		X			
4	A3-SIDE20:2		1755		3			X				X		X			
5	~~A3-SIDE21:3~~		1800		3			X				X		X			A3-BOT21:3
6	~~A3-SIDE22:3~~		1803		3			X				X		X			A3-BOT22:3
7	~~A3-SIDE23:3~~		1805		3			X				X		X			A3-BOT23:3
8	A3-SIDE100:2		1830	S	3			X				X		X			
9	TMP-20210928		1700	-	1			X									
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☒ 3 Day ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	RYAN PETERSON	9/29/21 0900	x	Alex Trejo	9/29/21 8:05
x			x		

DATA SET for Review -- Deliverable Requirements

Gasoline by NWTPH-Gx

Fremont Analytical Work Order No. 2109493

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Injection Log

Data Directory: D:\GC-9\DATA\092821\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 092833.D	8260.M			
No data found			0.000	N/A
2) 092801.D	8260.M			
CLEANOUT	O-VOC-GX-S	1	1.000	28 Sep 2021 03:08 pm
3) 092802.D	8260.M			
CLEANOUT	O-VOC-GX-S	1	1.000	28 Sep 2021 03:39 pm
4) 092803.D	8260.M			
VOC SOIL CAL1 25909	O-VOC-GX-S	2	1.000	28 Sep 2021 04:10 pm
5) 092804.D	8260.M			
VOC SOIL CAL2	O-VOC-GX-S	3	1.000	28 Sep 2021 04:41 pm
6) 092805.D	8260.M			
VOC SOIL CAL3	O-VOC-GX-S	4	1.000	28 Sep 2021 05:12 pm
7) 092806.D	8260.M			
VOC SOIL CAL4	O-VOC-GX-S	5	1.000	28 Sep 2021 05:43 pm
8) 092807.D	8260.M			
VOC SOIL CAL5	O-VOC-GX-S	6	1.000	28 Sep 2021 06:14 pm
9) 092808.D	8260.M			
VOC SOIL CAL6	O-VOC-GX-S	7	1.000	28 Sep 2021 06:45 pm
10) 092809.D	8260.M			
VOC SOIL CAL7	O-VOC-GX-S	8	1.000	28 Sep 2021 07:16 pm
11) 092810.D	8260.M			
VOC SOIL CAL8	O-VOC-GX-S	9	1.000	28 Sep 2021 07:47 pm
12) 092811.D	8260.M			
CLEANOUT	O-VOC-GX-S	10	1.000	28 Sep 2021 08:18 pm
13) 092812.D	8260.M			
ICB	O-VOC-GX-S	11	1.000	28 Sep 2021 08:49 pm
14) 092813.D	8260.M			
ICV VOC SOIL 25964	O-VOC-GX-S	12	1.000	28 Sep 2021 09:20 pm
15) 092814.D	8260.M			
CLEANOUT	O-VOC-GX-S	10	1.000	28 Sep 2021 09:51 pm
16) 092815.D	8260.M			
GX CAL1 25970	O-VOC-GX-S	13	1.000	28 Sep 2021 10:22 pm
17) 092816.D	8260.M			
GX CAL2	O-VOC-GX-S	14	1.000	28 Sep 2021 10:53 pm
18) 092817.D	8260.M			
GX CAL3	O-VOC-GX-S	15	1.000	28 Sep 2021 11:24 pm
19) 092818.D	8260.M			
GX CAL4	O-VOC-GX-S	16	1.000	28 Sep 2021 11:55 pm
20) 092819.D	8260.M			
GX CAL5	O-VOC-GX-S	17	1.000	29 Sep 2021 12:26 am
21) 092820.D	8260.M			
GX CAL6	O-VOC-GX-S	18	1.000	29 Sep 2021 12:57 am

22) 092821.D	8260.M					
GX CAL7	O-VOC-GX-S	19	1.000	29 Sep 2021	01:28	am
23) 092822.D	8260.M					
CLEANOUT	O-VOC-W	20	1.000	29 Sep 2021	01:59	am
24) 092823.D	8260.M					
ICB	O-VOC-GX-S	21	1.000	29 Sep 2021	02:29	am
25) 092824.D	8260.M					
ICV GX 25738	O-VOC-GX-S	22	1.000	29 Sep 2021	03:00	am
26) 092825.D	8260.M					
CCV-33866A_LCS-338..	O-VOC-S	23	1.000	29 Sep 2021	03:31	am
27) 092826.D	8260.M					
CCV-33866A GX	O-VOC-GX-S	24	1.000	29 Sep 2021	04:02	am
28) 092827.D	8260.M					
LCS-33866 GX	O-VOC-GX-S	25	1.000	29 Sep 2021	04:33	am
29) 092828.D	8260.M					
CLEANOUT	O-VOC-S	26	1.000	29 Sep 2021	05:04	am
30) 092829.D	8260.M					
MB-33866	O-VOC-S	27	1.000	29 Sep 2021	05:35	am
31) 092830.D	8260.M					
2109352-002B	O-VOC-S	28	1.000	29 Sep 2021	06:06	am
32) 092831.D	8260.M					
2109352-003B	O-VOC-S	29	1.000	29 Sep 2021	06:37	am
33) 092832.D	8260.M					
2109352-003BDUP	O-VOC-S	30	1.000	29 Sep 2021	07:08	am

Injection Log

Data Directory: D:\GC-9\DATA\100121\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	100101.D	8260.M			
	CLEANOUT MeOH	O-VOC-S	1	1.000	01 Oct 2021 09:23 am
2)	100102.D	8260.M			
	CCV-33900A_LCS-339..	O-VOC-S	2	1.000	01 Oct 2021 09:54 am
3)	100103.D	8260.M			
	CCV-33900A GX	O-VOC-GX-S	3	1.000	01 Oct 2021 10:25 am
4)	100105.D	8260.M			
	CLEANOUT MeOH	O-VOC-S	1	1.000	01 Oct 2021 10:51 am
5)	100106.D	8260.M			
	MB-33900	O-VOC-S	5	1.000	01 Oct 2021 11:22 am
6)	100107.D	8260.M			
	2109493-009A TB	O-VOC-S	6	1.000	01 Oct 2021 11:54 am
7)	100108.D	8260.M			
	LCS-33900 GX	O-VOC-GX-S	4	1.000	01 Oct 2021 12:25 pm
8)	100109.D	8260.M			
	CLEANOUT	O-VOC-S	7	1.000	01 Oct 2021 12:56 pm
9)	100110.D	8260.M			
	2109493-001B	O-VOC-GX-S	8	1.000	01 Oct 2021 01:27 pm
10)	100111.D	8260.M			
	2109493-001BDUP	O-VOC-GX-S	9	1.000	01 Oct 2021 01:58 pm
11)	100112.D	8260.M			
	2109493-002B	O-VOC-GX-S	10	1.000	01 Oct 2021 02:29 pm
12)	100113.D	8260.M			
	2109493-003B	O-VOC-GX-S	11	1.000	01 Oct 2021 03:00 pm
13)	100114.D	8260.M			
	2109493-004B	O-VOC-GX-S	12	1.000	01 Oct 2021 03:31 pm
14)	100115.D	8260.M			
	2109493-005B	O-VOC-GX-S	13	1.000	01 Oct 2021 04:03 pm
15)	100116.D	8260.M			
	2109493-006B	O-VOC-GX-S	14	1.000	01 Oct 2021 04:34 pm
16)	100117.D	8260.M			
	2109493-007B	O-VOC-GX-S	15	1.000	01 Oct 2021 05:05 pm
17)	100118.D	8260.M			
	2109493-008B	O-VOC-GX-S	16	1.000	01 Oct 2021 05:36 pm
18)	100119.D	8260.M			
	2110015-001A	O-VOC-GX-S	17	1.000	01 Oct 2021 06:07 pm
19)	100120.D	8260.M			
	2110017-001A	O-VOC-GX-S	18	1.000	01 Oct 2021 06:38 pm
20)	100121.D	8260.M			
	2110017-001ADUP	O-VOC-GX-S	19	1.000	01 Oct 2021 07:09 pm
21)	100122.D	8260.M			
	2109523-001B	O-VOC-S	20	1.000	01 Oct 2021 07:40 pm

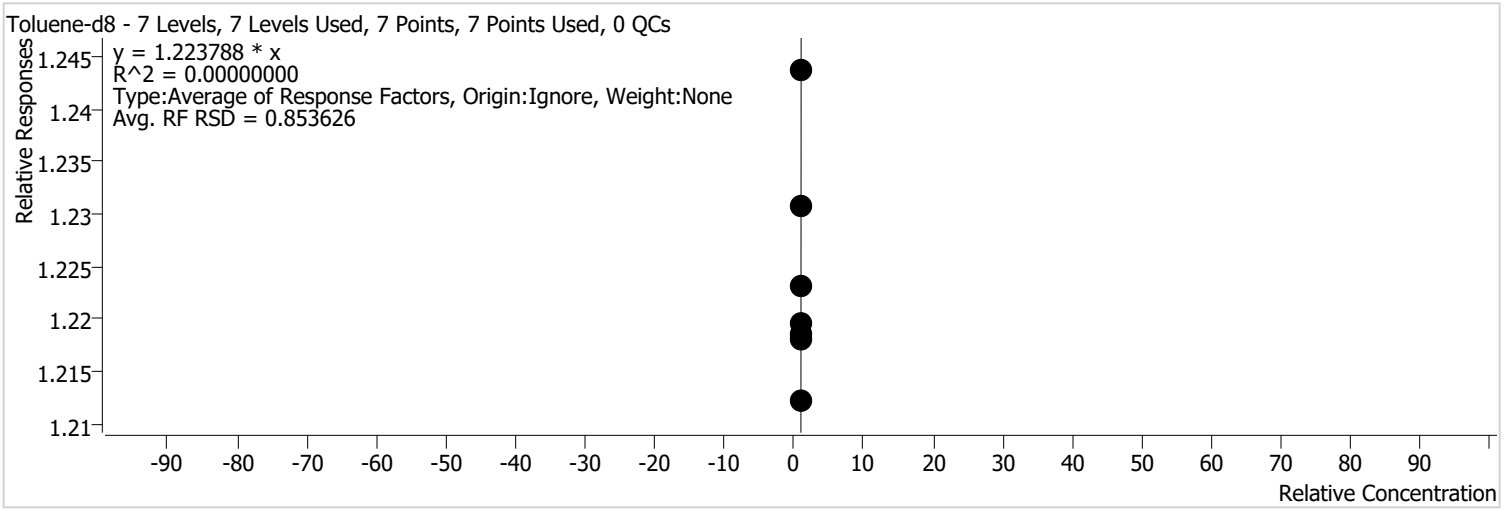
```
 22) 100123.D              8260.M
2109523-001BMS VOC   O-VOC-S               21    1.000     01 Oct 2021  08:11 pm
  ------------------------------------------------------------------------------
 23) 100124.D              8260.M
2109493-002BMS GX    O-VOC-GX-S            22    1.000     01 Oct 2021  08:42 pm
  ------------------------------------------------------------------------------
 24) 100125.D              8260.M
CCV-33900B VOC       O-VOC-S               23    1.000     01 Oct 2021  09:12 pm
  ------------------------------------------------------------------------------
 25) 100126.D              8260.M
CCV-33900B GX        O-VOC-GX-S            24    1.000     01 Oct 2021  09:43 pm
  ------------------------------------------------------------------------------
 26) 100127.D              8260.M
CLEANOUT MeOH        O-VOC-GX-S            25    1.000     04 Oct 2021  06:46 am
  ------------------------------------------------------------------------------
 27) 100128.D              8260.M
CCV-33900C GX        O-VOC-GX-S            26    1.000     04 Oct 2021  07:17 am
  ------------------------------------------------------------------------------
 28) 100129.D              8260.M
2109493-006B RR      O-VOC-GX-S            27    1.000     04 Oct 2021  07:48 am
  ------------------------------------------------------------------------------
 29) 100130.D              8260.M
2109493-008B RR      O-VOC-GX-S            28    1.000     04 Oct 2021  08:19 am
  ------------------------------------------------------------------------------
 30) 100131.D              8260.M
2110015-001A RR      O-VOC-GX-S            29    1.000     04 Oct 2021  08:50 am
  ------------------------------------------------------------------------------
 31) 100132.D              8260.M
2110017-001A RR      O-VOC-GX-S            30    1.000     04 Oct 2021  09:21 am
  ------------------------------------------------------------------------------
 32) 100133.D              8260.M
CCV-33900D GX        O-VOC-GX-S            31    1.000     04 Oct 2021  09:52 am
  ------------------------------------------------------------------------------
```

Calibration

Calibration Report

Batch Path	D:\GC-9\DATA\092821\QuantResults\GX CAL.batch.bin		
Analysis Time	9/29/2021 7:22 AM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:22:14 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 7:20 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Toluene-d8 %RSE =

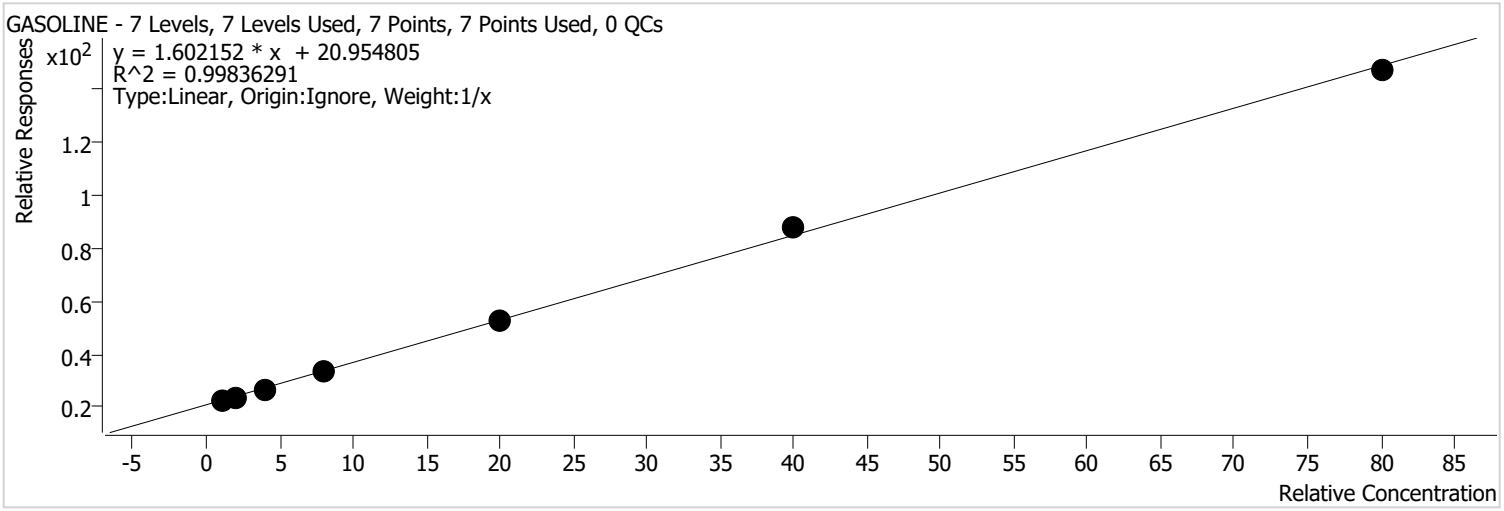


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092821.D	Calibration	7	x	9740924	25.0000	1.2437	
D:\GC-9\DATA\092821\092820.D	Calibration	6	x	9388801	25.0000	1.2309	
D:\GC-9\DATA\092821\092819.D	Calibration	5	x	9318370	25.0000	1.2232	
D:\GC-9\DATA\092821\092818.D	Calibration	4	x	8993047	25.0000	1.2123	
D:\GC-9\DATA\092821\092817.D	Calibration	3	x	9135740	25.0000	1.2181	
D:\GC-9\DATA\092821\092816.D	Calibration	2	x	9303923	25.0000	1.2196	
D:\GC-9\DATA\092821\092815.D	Calibration	1	x	9323213	25.0000	1.2186	

Calibration Report

Batch Path	D:\GC-9\DATA\092821\QuantResults\GX CAL.batch.bin		
Analysis Time	9/29/2021 7:22 AM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:22:15 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 7:20 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

GASOLINE %RSE = 10.3

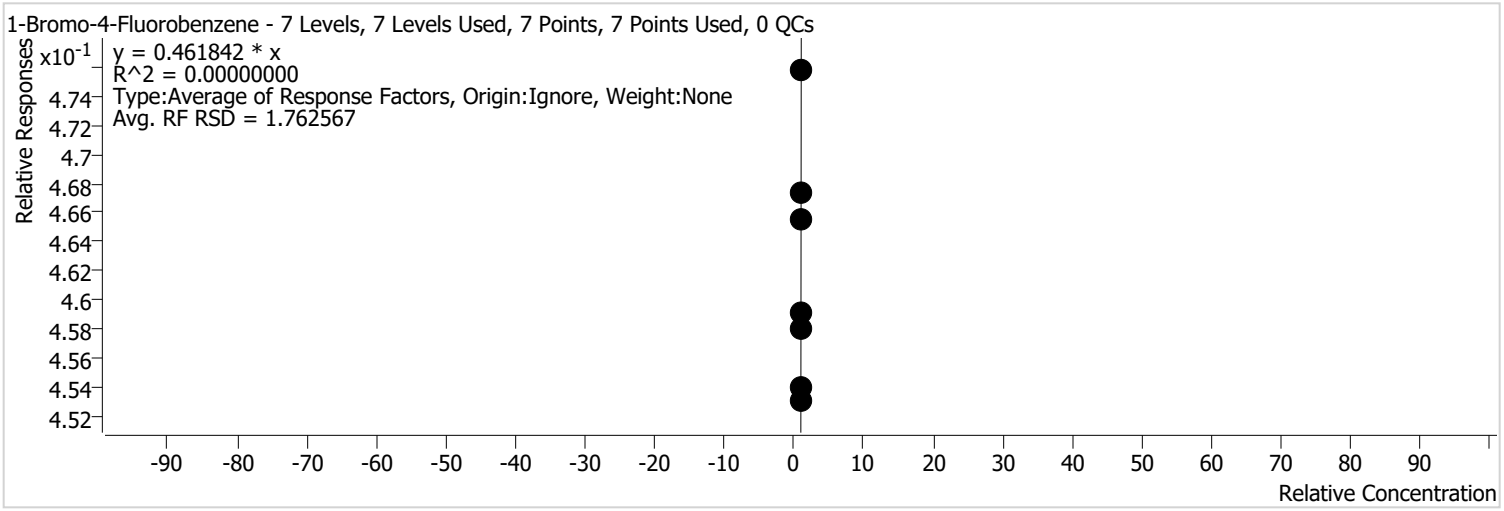


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092815.D	Calibration	1	x	149259844	25.0000	22.8444	
D:\GC-9\DATA\092821\092816.D	Calibration	2	x	155943657	50.0000	11.9034	
D:\GC-9\DATA\092821\092817.D	Calibration	3	x	174636453	100.0000	6.7237	
D:\GC-9\DATA\092821\092818.D	Calibration	4	x	216052580	200.0000	4.2032	
D:\GC-9\DATA\092821\092819.D	Calibration	5	x	345382459	500.0000	2.6156	
D:\GC-9\DATA\092821\092820.D	Calibration	6	x	589807079	1000.0000	2.2088	
D:\GC-9\DATA\092821\092821.D	Calibration	7	x	1037939461	2000.0000	1.8397	

Calibration Report

Batch Path	D:\GC-9\DATA\092821\QuantResults\GX CAL.batch.bin		
Analysis Time	9/29/2021 7:22 AM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:22:15 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 7:20 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1-Bromo-4-Fluorobenzene %RSE =

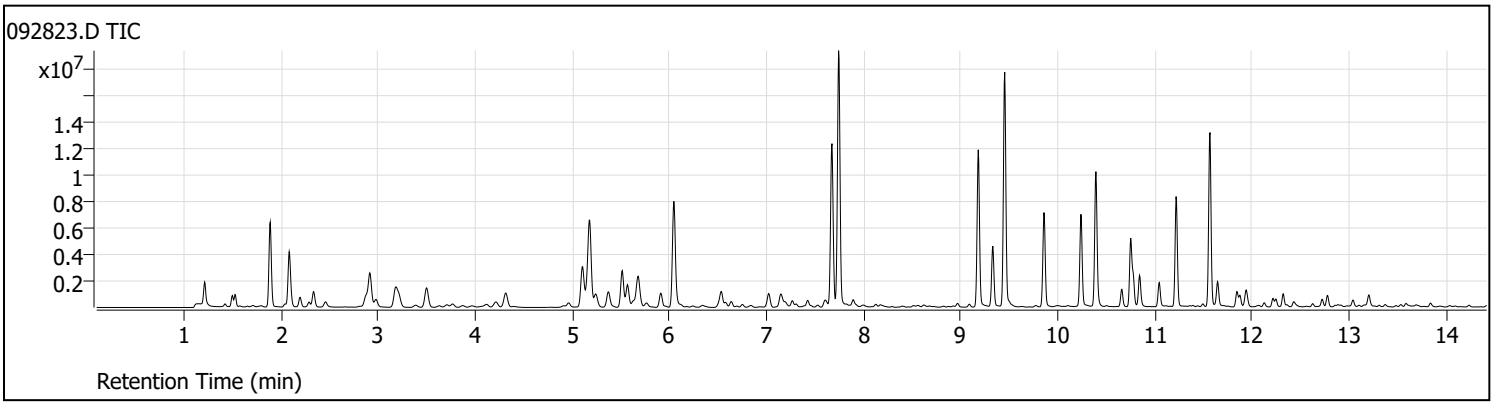


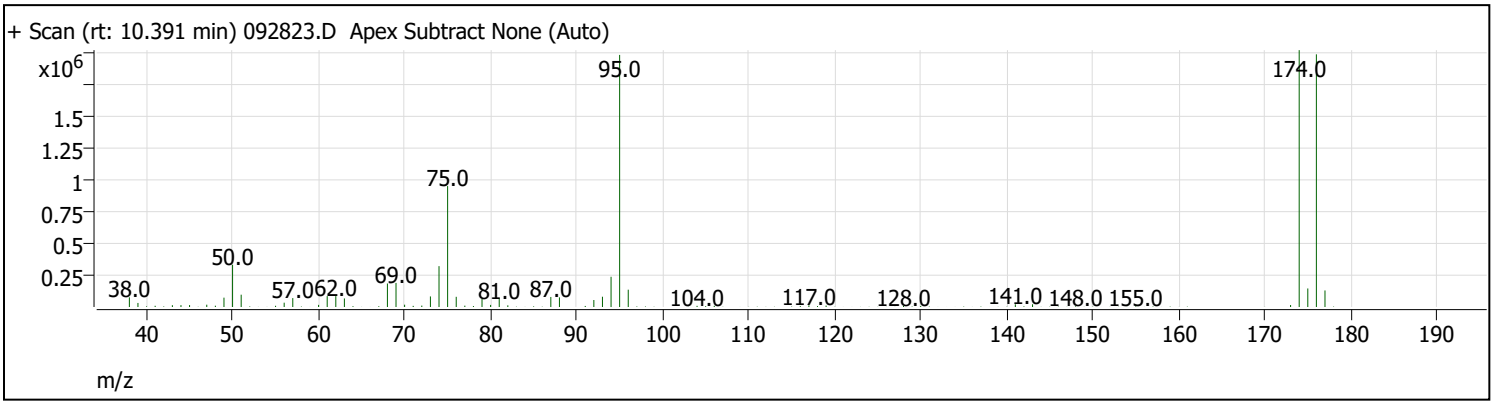
Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092821.D	Calibration	7	x	3726084	25.0000	0.4757	
D:\GC-9\DATA\092821\092820.D	Calibration	6	x	3565521	25.0000	0.4675	
D:\GC-9\DATA\092821\092819.D	Calibration	5	x	3545879	25.0000	0.4655	
D:\GC-9\DATA\092821\092818.D	Calibration	4	x	3405467	25.0000	0.4591	
D:\GC-9\DATA\092821\092817.D	Calibration	3	x	3435605	25.0000	0.4581	
D:\GC-9\DATA\092821\092816.D	Calibration	2	x	3462799	25.0000	0.4539	
D:\GC-9\DATA\092821\092815.D	Calibration	1	x	3466804	25.0000	0.4531	

Tunes

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\092821\092823.D
Acq on:	9/29/2021 2:29:57 AM
Operator:	FA\GC9
Sample:	ICB
Inst Name:	GC-9
ALS Vial:	21
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

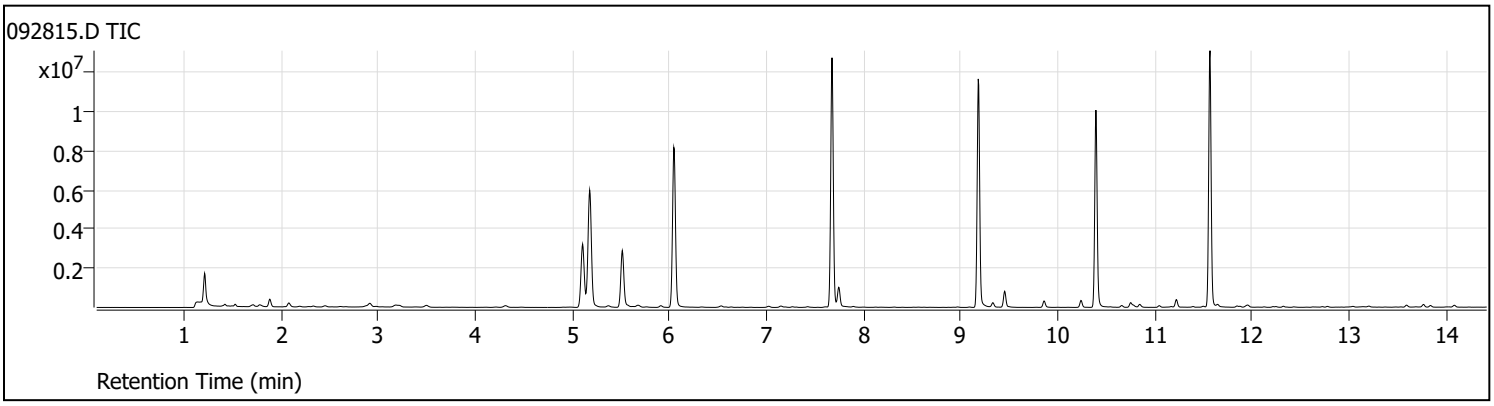


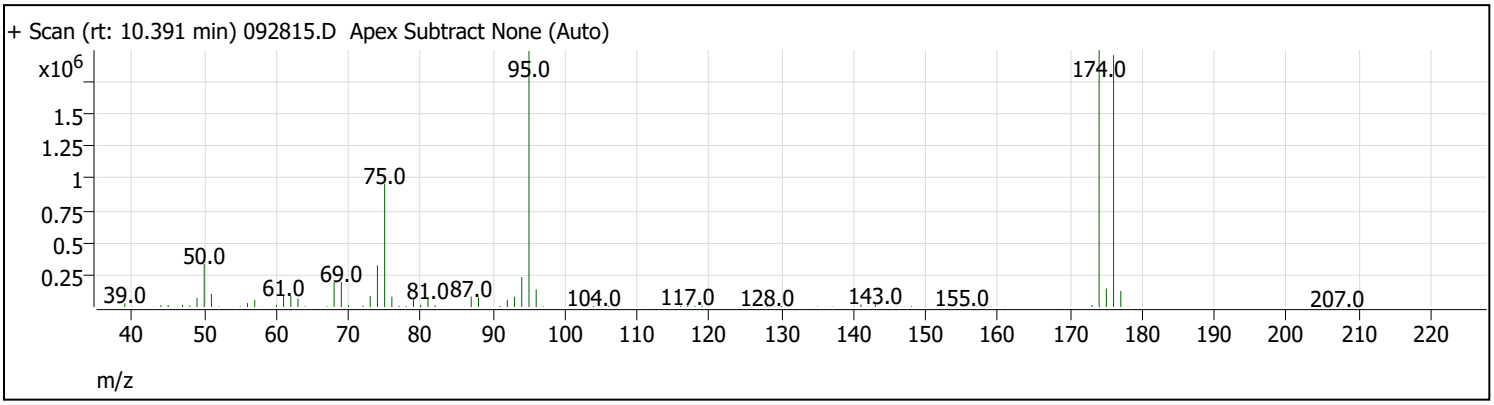


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	98.1	1976832	Pass
96	95	5	9	6.9	135872	Pass
173	174	0	2	0.8	15537	Pass
174	95	50	200	101.9	2014208	Pass
175	174	5	9	7.2	145408	Pass
176	174	95	105	98.4	1981440	Pass
177	176	5	10	6.6	129864	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\092821\092815.D
Acq on:	9/28/2021 10:22:17 PM
Operator:	FA\GC9
Sample:	GX CAL1 25970
Inst Name:	GC-9
ALS Vial:	13
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

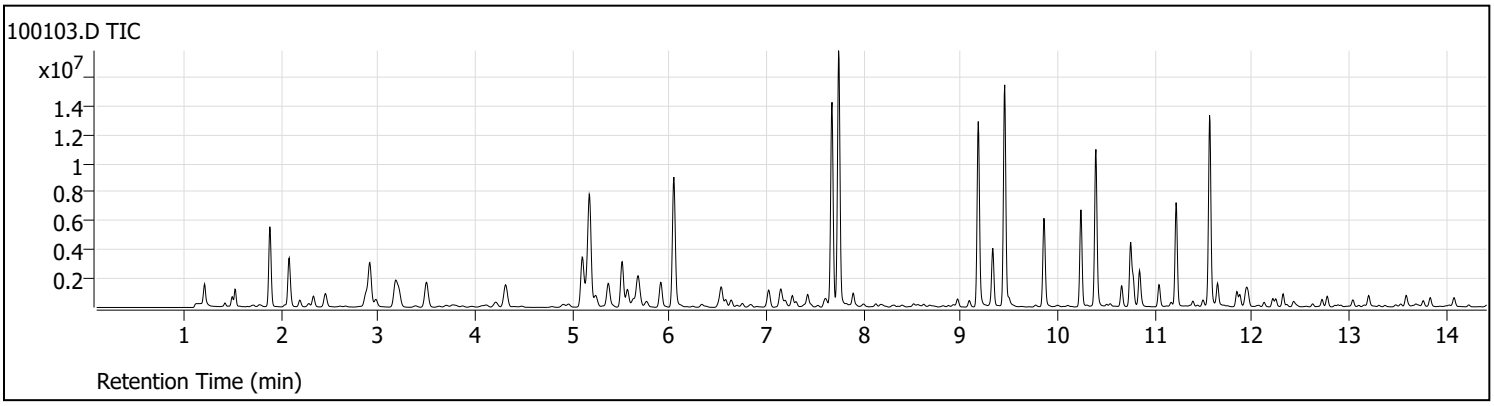


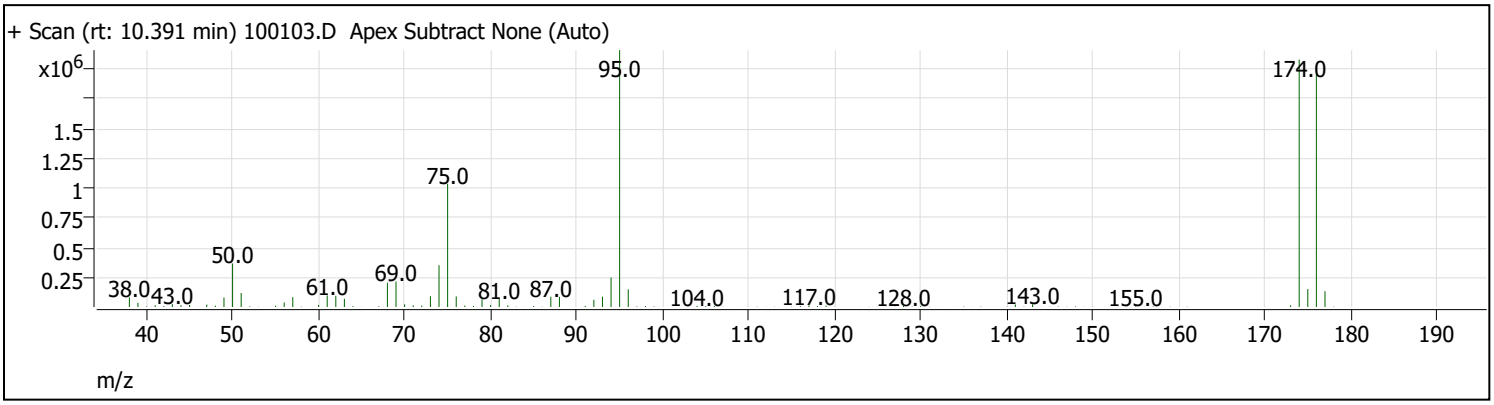


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	99.7	1992192	Pass
96	95	5	9	6.9	137024	Pass
173	174	0	2	0.8	16089	Pass
174	95	50	200	100.3	1997824	Pass
175	174	5	9	7.2	143488	Pass
176	174	95	105	98.0	1958400	Pass
177	176	5	10	6.4	125480	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\100121\100103.D
Acq on:	10/1/2021 10:25:17 AM
Operator:	FA\GC9
Sample:	CCV-33900A GX
Inst Name:	GC-9
ALS Vial:	3
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

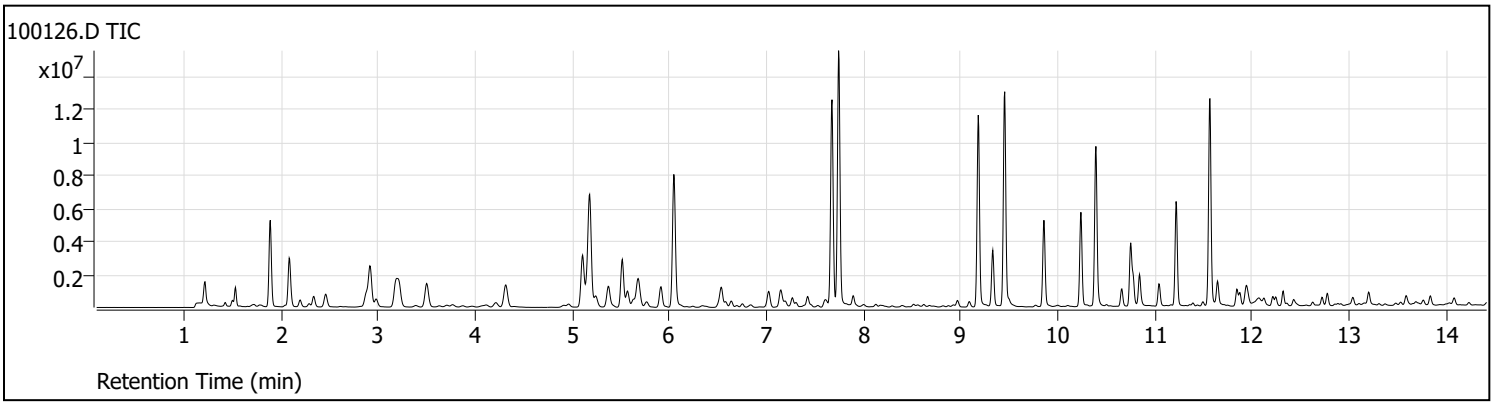


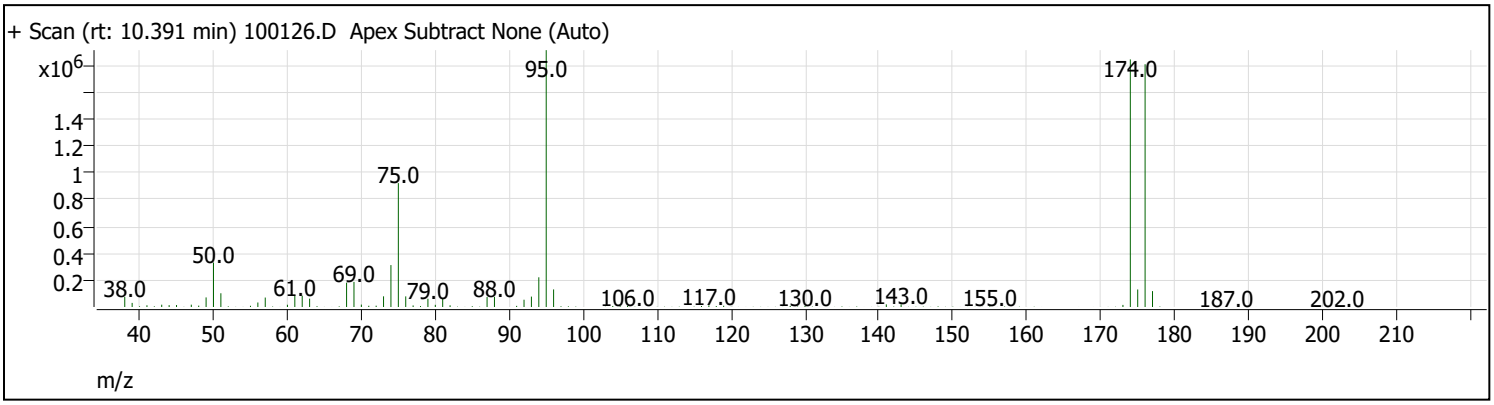


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	103.8	2157056	Pass
96	95	5	9	6.9	148224	Pass
173	174	0	2	0.7	14500	Pass
174	95	50	200	96.3	2077696	Pass
175	174	5	9	7.3	150720	Pass
176	174	95	105	97.9	2033664	Pass
177	176	5	10	6.5	132672	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\100121\100126.D
Acq on:	10/1/2021 9:43:46 PM
Operator:	FA\GC9
Sample:	CCV-33900B GX
Inst Name:	GC-9
ALS Vial:	24
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

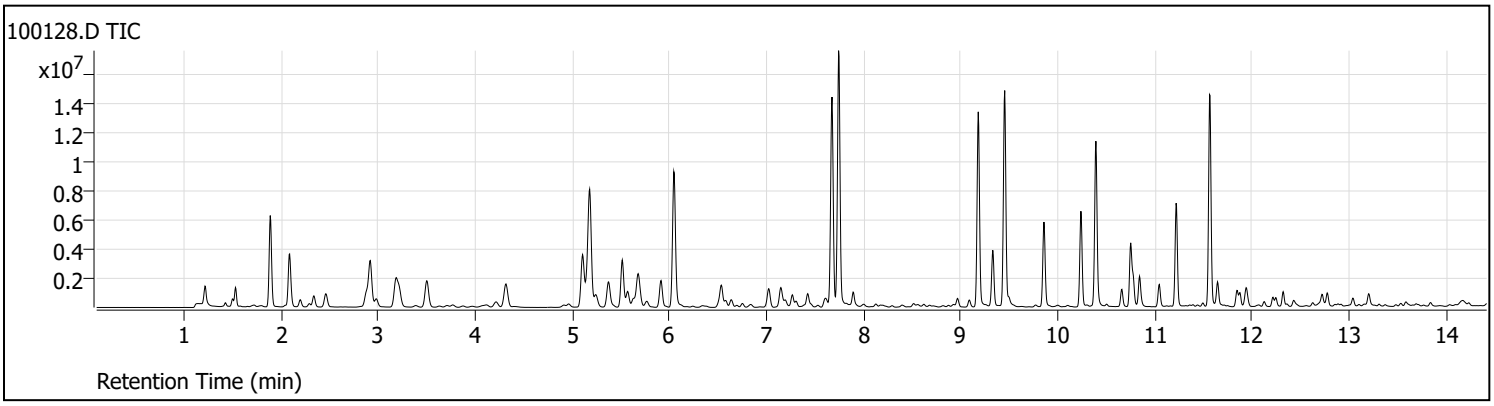


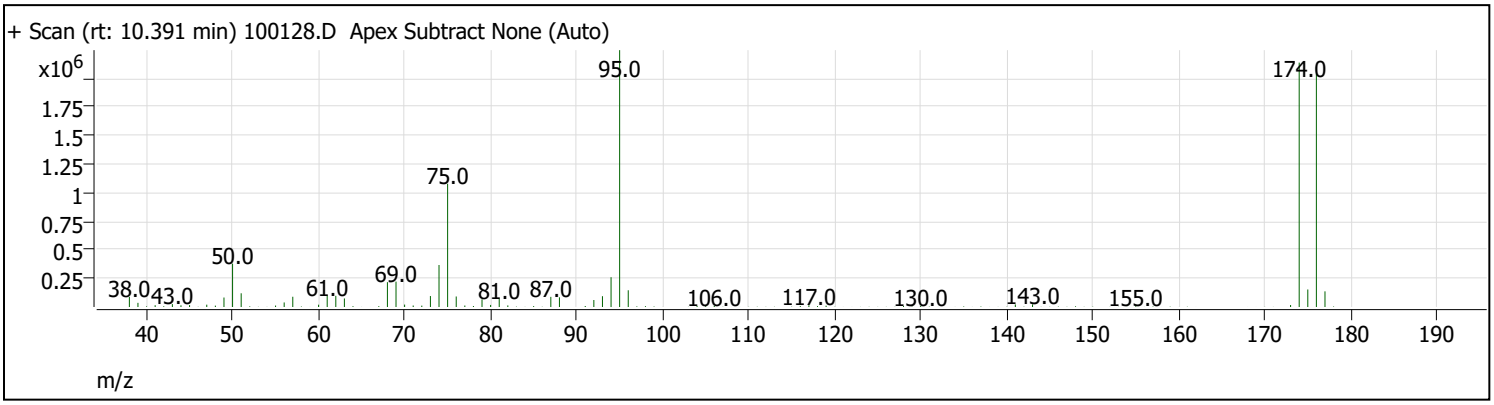


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	103.7	1913344	Pass
96	95	5	9	6.8	130976	Pass
173	174	0	2	0.8	15495	Pass
174	95	50	200	96.4	1844224	Pass
175	174	5	9	7.1	130504	Pass
176	174	95	105	98.1	1808384	Pass
177	176	5	10	6.5	118288	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\100121\100128.D
Acq on:	10/4/2021 7:17:40 AM
Operator:	FA\GC9
Sample:	CCV-33900C GX
Inst Name:	GC-9
ALS Vial:	26
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

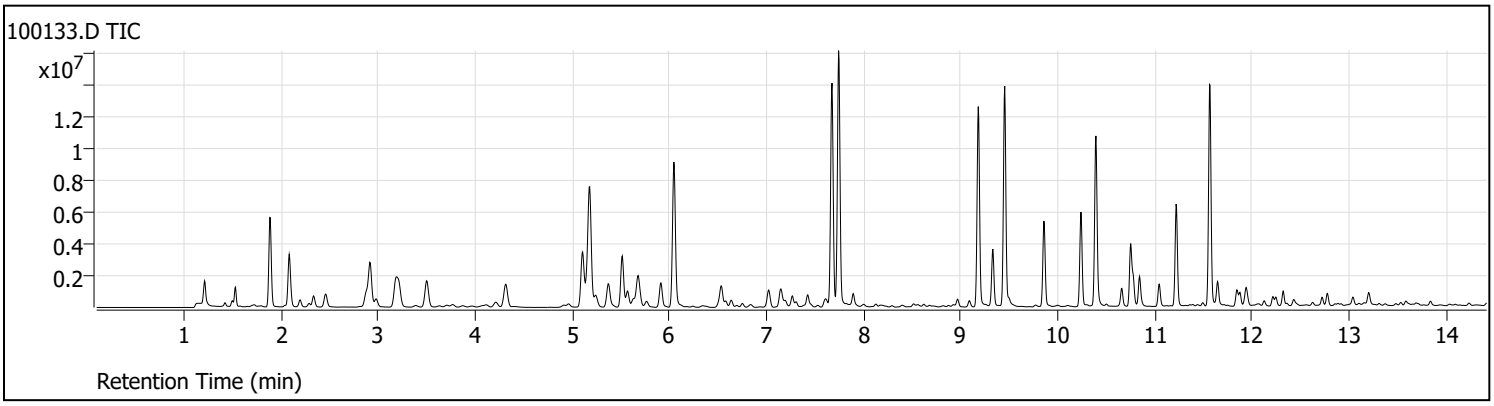


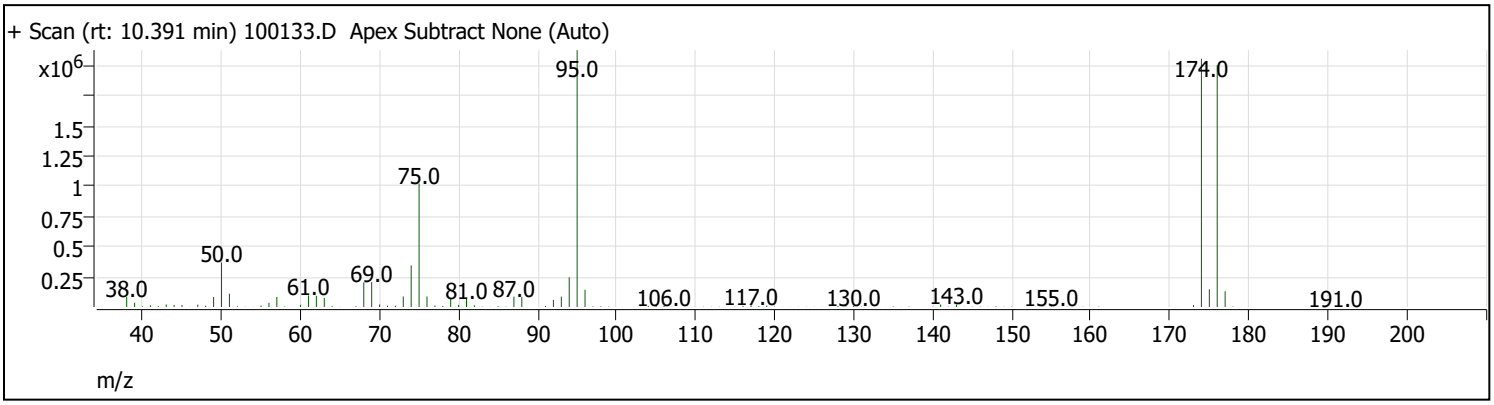


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	105.1	2247680	Pass
96	95	5	9	6.5	146304	Pass
173	174	0	2	0.8	17296	Pass
174	95	50	200	95.1	2138624	Pass
175	174	5	9	7.2	153408	Pass
176	174	95	105	98.2	2100224	Pass
177	176	5	10	6.5	136832	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\100121\100133.D
Acq on:	10/4/2021 9:52:09 AM
Operator:	FA\GC9
Sample:	CCV-33900D GX
Inst Name:	GC-9
ALS Vial:	31
Method:	D:\MassHunter\Methods\Quant\BFB2021.m





Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	103.5	2127360	Pass
96	95	5	9	6.7	143296	Pass
173	174	0	2	0.7	15061	Pass
174	95	50	200	96.7	2056192	Pass
175	174	5	9	7.1	146816	Pass
176	174	95	105	97.4	2002432	Pass
177	176	5	10	6.5	130648	Pass

DATA SET for Review -- Deliverable Requirements

Polychlorinated Biphenyls (PCB) by EPA 8082

Fremont Analytical Work Order No. 2109493

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information

Injection Log

Data Directory: D:\GC-16\Data\2021\093021\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 093034.D	8081_8082A_608.M			
No data found			0.000	N/A
2) 093001.D	8081_8082A_608.M			
CO		6	1.000	30 Sep 2021 07:54 am
3) 093002.D	8081_8082A_608.M			
1660 10		11	1.000	30 Sep 2021 08:04 am
4) 093003.D	8081_8082A_608.M			
1660 20		12	1.000	30 Sep 2021 08:14 am
5) 093004.D	8081_8082A_608.M			
1660 50		13	1.000	30 Sep 2021 08:24 am
6) 093005.D	8081_8082A_608.M			
1660 100		14	1.000	30 Sep 2021 08:33 am
7) 093006.D	8081_8082A_608.M			
1660 200		15	1.000	30 Sep 2021 08:43 am
8) 093007.D	8081_8082A_608.M			
1660 500		16	1.000	30 Sep 2021 08:53 am
9) 093008.D	8081_8082A_608.M			
1660 1000		17	1.000	30 Sep 2021 09:02 am
10) 093009.D	8081_8082A_608.M			
1660 2000		18	1.000	30 Sep 2021 09:12 am
11) 093010.D	8081_8082A_608.M			
1660 ICB		19	1.000	30 Sep 2021 09:22 am
12) 093011.D	8081_8082A_608.M			
1660 ICV		20	1.000	30 Sep 2021 09:32 am
13) 093012.D	8081_8082A_608.M			
1254 10		21	1.000	30 Sep 2021 09:41 am
14) 093013.D	8081_8082A_608.M			
1660 ICV		20	1.000	30 Sep 2021 09:51 am
15) 093014.D	8081_8082A_608.M			
1254 20		22	1.000	30 Sep 2021 10:02 am
16) 093015.D	8081_8082A_608.M			
1254 50		23	1.000	30 Sep 2021 10:12 am
17) 093016.D	8081_8082A_608.M			
1254 100		24	1.000	30 Sep 2021 10:22 am
18) 093017.D	8081_8082A_608.M			
1254 200		25	1.000	30 Sep 2021 10:33 am
19) 093018.D	8081_8082A_608.M			
1254 500		26	1.000	30 Sep 2021 10:42 am
20) 093019.D	8081_8082A_608.M			
1254 1000		27	1.000	30 Sep 2021 10:52 am
21) 093020.D	8081_8082A_608.M			
1254 2000		28	1.000	30 Sep 2021 11:02 am

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 22) 093021.D              8081_8082A_608.M
1254 ICB                                29    1.000     30 Sep 2021  11:12 am
  ------------------------------------------------------------------------------
 23) 093022.D              8081_8082A_608.M
1254 ICV                                30    1.000     30 Sep 2021  11:21 am
  ------------------------------------------------------------------------------
 24) 093023.D              8081_8082A_608.M
1660-CCV-33867A                         17    1.000     30 Sep 2021  11:31 am
  ------------------------------------------------------------------------------
 25) 093024.D              8081_8082A_608.M
1254-CCV-33867A                         27    1.000     30 Sep 2021  11:41 am
  ------------------------------------------------------------------------------
 26) 093025.D              8081_8082A_608.M
MB-33867                                31    1.000     30 Sep 2021  11:50 am
  ------------------------------------------------------------------------------
 27) 093026.D              8081_8082A_608.M
LCS1-33867                              32    1.000     30 Sep 2021  12:00 pm
  ------------------------------------------------------------------------------
 28) 093027.D              8081_8082A_608.M
LCS1D-33867                             33    1.000     30 Sep 2021  12:10 pm
  ------------------------------------------------------------------------------
 29) 093028.D              8081_8082A_608.M
LCS2-33867                              34    1.000     30 Sep 2021  12:20 pm
  ------------------------------------------------------------------------------
 30) 093029.D              8081_8082A_608.M
LCS-LL-33867                            35    1.000     30 Sep 2021  12:29 pm
  ------------------------------------------------------------------------------
 31) 093030.D              8081_8082A_608.M
2109469-001A                            44    1.000     30 Sep 2021  12:39 pm
  ------------------------------------------------------------------------------
 32) 093031.D              8081_8082A_608.M
2109469-001AMS                          45    1.000     30 Sep 2021  12:49 pm
  ------------------------------------------------------------------------------
 33) 093032.D              8081_8082A_608.M
2109390-011E                            36    1.000     30 Sep 2021  12:58 pm
  ------------------------------------------------------------------------------
 34) 093033.D              8081_8082A_608.M
2109397-003C                            37    1.000     30 Sep 2021  01:08 pm
  ------------------------------------------------------------------------------
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Injection Log

Data Directory: D:\GC-16\Data\2021\093021\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	093001.D	8081_8082A_608.M			
CO			6	1.000	30 Sep 2021 07:54 am
2)	093002.D	8081_8082A_608.M			
1660	10		11	1.000	30 Sep 2021 08:04 am
3)	093003.D	8081_8082A_608.M			
1660	20		12	1.000	30 Sep 2021 08:14 am
4)	093004.D	8081_8082A_608.M			
1660	50		13	1.000	30 Sep 2021 08:24 am
5)	093005.D	8081_8082A_608.M			
1660	100		14	1.000	30 Sep 2021 08:33 am
6)	093006.D	8081_8082A_608.M			
1660	200		15	1.000	30 Sep 2021 08:43 am
7)	093007.D	8081_8082A_608.M			
1660	500		16	1.000	30 Sep 2021 08:53 am
8)	093008.D	8081_8082A_608.M			
1660	1000		17	1.000	30 Sep 2021 09:02 am
9)	093009.D	8081_8082A_608.M			
1660	2000		18	1.000	30 Sep 2021 09:12 am
10)	093010.D	8081_8082A_608.M			
1660	ICB		19	1.000	30 Sep 2021 09:22 am
11)	093011.D	8081_8082A_608.M			
1660	ICV		20	1.000	30 Sep 2021 09:32 am
12)	093012.D	8081_8082A_608.M			
1254	10		21	1.000	30 Sep 2021 09:41 am
13)	093013.D	8081_8082A_608.M			
1660	ICV		20	1.000	30 Sep 2021 09:51 am
14)	093014.D	8081_8082A_608.M			
1254	20		22	1.000	30 Sep 2021 10:02 am
15)	093015.D	8081_8082A_608.M			
1254	50		23	1.000	30 Sep 2021 10:12 am
16)	093016.D	8081_8082A_608.M			
1254	100		24	1.000	30 Sep 2021 10:22 am
17)	093017.D	8081_8082A_608.M			
1254	200		25	1.000	30 Sep 2021 10:33 am
18)	093018.D	8081_8082A_608.M			
1254	500		26	1.000	30 Sep 2021 10:42 am
19)	093019.D	8081_8082A_608.M			
1254	1000		27	1.000	30 Sep 2021 10:52 am
20)	093020.D	8081_8082A_608.M			
1254	2000		28	1.000	30 Sep 2021 11:02 am
21)	093021.D	8081_8082A_608.M			
1254	ICB		29	1.000	30 Sep 2021 11:12 am

22) 093022.D 8081_8082A_608.M
1254 ICV 30 1.000 30 Sep 2021 11:21 am
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23) 093023.D 8081_8082A_608.M
1660-CCV-33867A 17 1.000 30 Sep 2021 11:31 am
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24) 093024.D 8081_8082A_608.M
1254-CCV-33867A 27 1.000 30 Sep 2021 11:41 am
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25) 093025.D 8081_8082A_608.M
MB-33867 31 1.000 30 Sep 2021 11:50 am
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26) 093026.D 8081_8082A_608.M
LCS1-33867 32 1.000 30 Sep 2021 12:00 pm
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27) 093027.D 8081_8082A_608.M
LCS1D-33867 33 1.000 30 Sep 2021 12:10 pm
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28) 093028.D 8081_8082A_608.M
LCS2-33867 34 1.000 30 Sep 2021 12:20 pm
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29) 093029.D 8081_8082A_608.M
LCS-LL-33867 35 1.000 30 Sep 2021 12:29 pm
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30) 093030.D 8081_8082A_608.M
2109469-001A 44 1.000 30 Sep 2021 12:39 pm
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31) 093031.D 8081_8082A_608.M
2109469-001AMS 45 1.000 30 Sep 2021 12:49 pm
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32) 093032.D 8081_8082A_608.M
2109390-011E 36 1.000 30 Sep 2021 12:58 pm
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33) 093033.D 8081_8082A_608.M
2109397-003C 37 1.000 30 Sep 2021 01:08 pm
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34) 093034.D 8081_8082A_608.M
2109397-006C 38 1.000 30 Sep 2021 01:18 pm
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35) 093035.D 8081_8082A_608.M
2109408-006E 39 1.000 30 Sep 2021 01:28 pm
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36) 093036.D 8081_8082A_608.M
2109408-012H 40 1.000 30 Sep 2021 01:37 pm
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37) 093037.D 8081_8082A_608.M
2109411-002D 41 1.000 30 Sep 2021 01:47 pm
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38) 093038.D 8081_8082A_608.M
2109453-001B 42 1.000 30 Sep 2021 01:57 pm
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39) 093039.D 8081_8082A_608.M
2109453-002B 43 1.000 30 Sep 2021 02:07 pm
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40) 093040.D 8081_8082A_608.M
CO 7 1.000 30 Sep 2021 02:16 pm
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41) 093041.D 8081_8082A_608.M
1660-CCV-33867B 17 1.000 30 Sep 2021 02:26 pm
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42) 093042.D 8081_8082A_608.M
1254-CCV-33867B 27 1.000 30 Sep 2021 02:36 pm
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43) 093043.D 8081_8082A_608.M
1660-CCV-33879A 6 1.000 30 Sep 2021 02:45 pm
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44) 093044.D 8081_8082A_608.M
1254-CCV-33879A 7 1.000 30 Sep 2021 02:55 pm
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45) 093045.D 8081_8082A_608.M

MB-33899 71 1.000 30 Sep 2021 03:05 pm

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46) 093046.D 8081_8082A_608.M
LCS-33899 72 1.000 30 Sep 2021 03:15 pm

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47) 093047.D 8081_8082A_608.M
LCS2-33899 73 1.000 30 Sep 2021 03:24 pm

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48) 093048.D 8081_8082A_608.M
2109508-003A 74 1.000 30 Sep 2021 03:34 pm

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49) 093049.D 8081_8082A_608.M
2109508-005A 75 1.000 30 Sep 2021 03:44 pm

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50) 093050.D 8081_8082A_608.M
2109508-007A 76 1.000 30 Sep 2021 03:54 pm

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51) 093051.D 8081_8082A_608.M
2109508-009A 77 1.000 30 Sep 2021 04:03 pm

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52) 093052.D 8081_8082A_608.M
2109508-012A 78 1.000 30 Sep 2021 04:13 pm

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53) 093053.D 8081_8082A_608.M
2109508-013A 79 1.000 30 Sep 2021 04:23 pm

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54) 093054.D 8081_8082A_608.M
2109508-014A 80 1.000 30 Sep 2021 04:32 pm

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55) 093055.D 8081_8082A_608.M
2109508-015A 81 1.000 30 Sep 2021 04:42 pm

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56) 093056.D 8081_8082A_608.M
2109508-016A 82 1.000 30 Sep 2021 04:52 pm

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57) 093057.D 8081_8082A_608.M
2109508-017A 83 1.000 30 Sep 2021 05:02 pm

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58) 093058.D 8081_8082A_608.M
2109508-018A 84 1.000 30 Sep 2021 05:11 pm

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59) 093059.D 8081_8082A_608.M
2109508-019A 85 1.000 30 Sep 2021 05:21 pm

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60) 093060.D 8081_8082A_608.M
2109508-020A 86 1.000 30 Sep 2021 05:31 pm

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61) 093061.D 8081_8082A_608.M
2109508-021A 87 1.000 30 Sep 2021 05:41 pm

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62) 093062.D 8081_8082A_608.M
2109508-022A 88 1.000 30 Sep 2021 05:51 pm

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63) 093063.D 8081_8082A_608.M
2109508-023A 89 1.000 30 Sep 2021 06:00 pm

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64) 093064.D 8081_8082A_608.M
2109508-024A 90 1.000 30 Sep 2021 06:10 pm

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65) 093065.D 8081_8082A_608.M
2109508-025A 91 1.000 30 Sep 2021 06:20 pm

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66) 093066.D 8081_8082A_608.M
2109397-002A 92 1.000 30 Sep 2021 06:29 pm

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67) 093067.D 8081_8082A_608.M
2109408-002A 93 1.000 30 Sep 2021 06:39 pm

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68) 093068.D 8081_8082A_608.M
2109408-002AMS 94 1.000 30 Sep 2021 06:49 pm

69) 093069.D 8081_8082A_608.M
2109408-002AMSD 95 1.000 30 Sep 2021 06:59 pm

70) 093070.D 8081_8082A_608.M
CO 7 1.000 30 Sep 2021 07:08 pm

71) 093071.D 8081_8082A_608.M
1660-CCV-33899B 6 1.000 30 Sep 2021 07:18 pm

72) 093072.D 8081_8082A_608.M
1254-CCV-33899B 7 1.000 30 Sep 2021 07:28 pm

73) 093073.D 8081_8082A_608.M
MB-33879 51 1.000 30 Sep 2021 07:38 pm

74) 093074.D 8081_8082A_608.M
LCS1-33879 52 1.000 30 Sep 2021 07:47 pm

75) 093075.D 8081_8082A_608.M
LCS2-33879 53 1.000 30 Sep 2021 07:57 pm

76) 093076.D 8081_8082A_608.M
LCS1D-33879 54 1.000 30 Sep 2021 08:07 pm

77) 093077.D 8081_8082A_608.M
2109491-001A 55 1.000 30 Sep 2021 08:17 pm

78) 093078.D 8081_8082A_608.M
2109492-001A 56 1.000 30 Sep 2021 08:26 pm

79) 093079.D 8081_8082A_608.M
2109493-001A 57 1.000 30 Sep 2021 08:36 pm

80) 093080.D 8081_8082A_608.M
2109493-002A 58 1.000 30 Sep 2021 08:46 pm

81) 093081.D 8081_8082A_608.M
2109493-003A 59 1.000 30 Sep 2021 08:55 pm

82) 093082.D 8081_8082A_608.M
2109493-004A 60 1.000 30 Sep 2021 09:05 pm

83) 093083.D 8081_8082A_608.M
2109493-005A 61 1.000 30 Sep 2021 09:15 pm

84) 093084.D 8081_8082A_608.M
2109493-006A 62 1.000 30 Sep 2021 09:24 pm

85) 093085.D 8081_8082A_608.M
2109493-007A 63 1.000 30 Sep 2021 09:34 pm

86) 093086.D 8081_8082A_608.M
2109493-008A 64 1.000 30 Sep 2021 09:44 pm

87) 093087.D 8081_8082A_608.M
2109493-008AMS 65 1.000 30 Sep 2021 09:54 pm

88) 093088.D 8081_8082A_608.M
2109493-008AMSD 66 1.000 30 Sep 2021 10:03 pm

89) 093089.D 8081_8082A_608.M
CO 6 1.000 30 Sep 2021 10:13 pm

90) 093090.D 8081_8082A_608.M
1660-CCV-33879B 6 1.000 30 Sep 2021 10:23 pm

91) 093091.D 8081_8082A_608.M
1254-CCV-33879B 7 1.000 30 Sep 2021 10:33 pm

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 92) 100101.D              8081_8082A_608.M
CO                                    6    1.000     01 Oct 2021  08:08 am
  ----------------------------------------------------------------------------
 93) 100102.D              8081_8082A_608.M
1660-CCV-33899C                       6    1.000     01 Oct 2021  08:18 am
  ----------------------------------------------------------------------------
 94) 100103.D              8081_8082A_608.M
1254-CCV-33899C                       7    1.000     01 Oct 2021  08:27 am
  ----------------------------------------------------------------------------
 95) 100104.D              8081_8082A_608.M
LCS2-33899                           73    1.000     01 Oct 2021  08:38 am
  ----------------------------------------------------------------------------
 96) 100105.D              8081_8082A_608.M
2109508-009A                         77    1.000     01 Oct 2021  08:48 am
  ----------------------------------------------------------------------------
 97) 100106.D              8081_8082A_608.M
2109508-013A                         79    1.000     01 Oct 2021  08:58 am
  ----------------------------------------------------------------------------
 98) 100107.D              8081_8082A_608.M
2109508-015A                         81    1.000     01 Oct 2021  09:07 am
  ----------------------------------------------------------------------------
 99) 100108.D              8081_8082A_608.M
CO                                    7    1.000     01 Oct 2021  09:17 am
  ----------------------------------------------------------------------------
100) 100109.D              8081_8082A_608.M
1660-CCV-33899B                       6    1.000     01 Oct 2021  09:27 am
  ----------------------------------------------------------------------------
101) 100110.D              8081_8082A_608.M
1254-CCV-33899B                       7    1.000     01 Oct 2021  09:37 am
  ----------------------------------------------------------------------------
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Injection Log

Data Directory: D:\GC-16\Data\2021\100121\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	100101.D	8081_8082A_608.M			
CO			6	1.000	01 Oct 2021 08:08 am
2)	100102.D	8081_8082A_608.M			
1660-CCV-33899C			6	1.000	01 Oct 2021 08:18 am
3)	100103.D	8081_8082A_608.M			
1254-CCV-33899C			7	1.000	01 Oct 2021 08:27 am
4)	100104.D	8081_8082A_608.M			
LCS2-33899			73	1.000	01 Oct 2021 08:38 am
5)	100105.D	8081_8082A_608.M			
2109508-009A			77	1.000	01 Oct 2021 08:48 am
6)	100106.D	8081_8082A_608.M			
2109508-013A			79	1.000	01 Oct 2021 08:58 am
7)	100107.D	8081_8082A_608.M			
2109508-015A			81	1.000	01 Oct 2021 09:07 am
8)	100108.D	8081_8082A_608.M			
CO			7	1.000	01 Oct 2021 09:17 am
9)	100109.D	8081_8082A_608.M			
1660-CCV-33899B			6	1.000	01 Oct 2021 09:27 am
10)	100110.D	8081_8082A_608.M			
1254-CCV-33899B			7	1.000	01 Oct 2021 09:37 am
11)	100111.D	8081_8082A_608.M			
2109493-001A			57	1.000	01 Oct 2021 11:17 am
12)	100112.D	8081_8082A_608.M			
2109493-002A			58	1.000	01 Oct 2021 11:27 am
13)	100113.D	8081_8082A_608.M			
2109493-003A			59	1.000	01 Oct 2021 11:36 am
14)	100114.D	8081_8082A_608.M			
2109493-004A			60	1.000	01 Oct 2021 11:46 am
15)	100115.D	8081_8082A_608.M			
2109493-005A			61	1.000	01 Oct 2021 11:56 am
16)	100116.D	8081_8082A_608.M			
2109493-006A			62	1.000	01 Oct 2021 12:06 pm
17)	100117.D	8081_8082A_608.M			
2109493-007A			63	1.000	01 Oct 2021 12:15 pm
18)	100118.D	8081_8082A_608.M			
2109493-008A			64	1.000	01 Oct 2021 12:25 pm
19)	100119.D	8081_8082A_608.M			
MB-33916			101	1.000	01 Oct 2021 12:35 pm
20)	100120.D	8081_8082A_608.M			
LCS1-33916			102	1.000	01 Oct 2021 12:44 pm
21)	100121.D	8081_8082A_608.M			
LCS2-33916			103	1.000	01 Oct 2021 12:54 pm

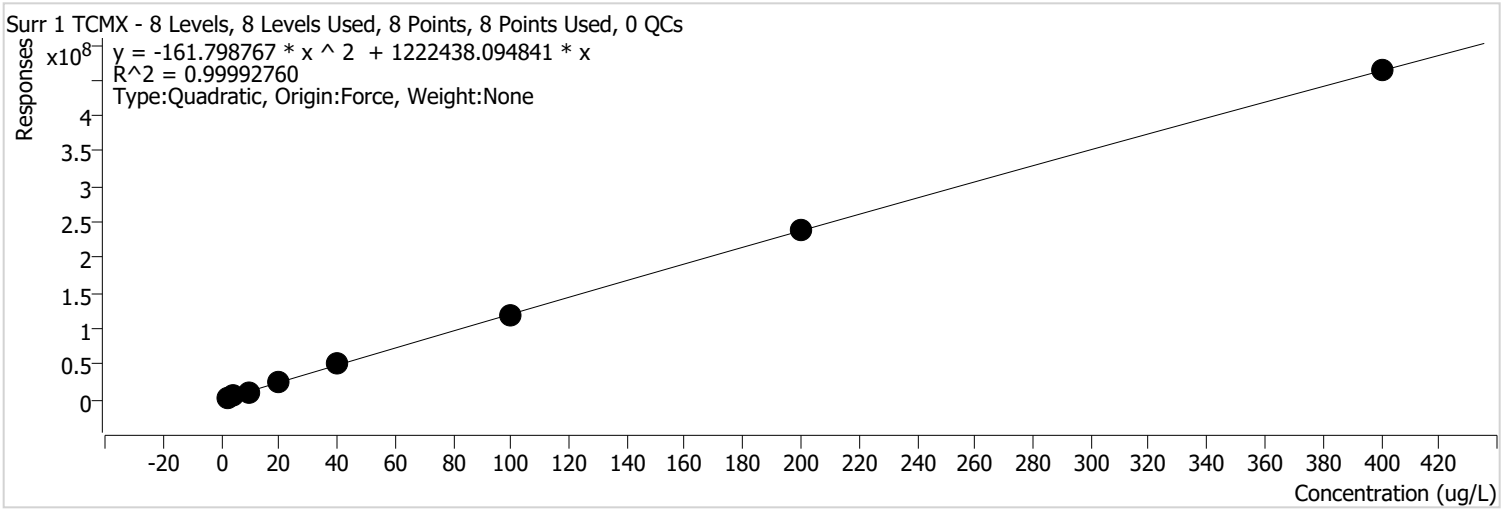
```
 22) 100122.D              8081_8082A_608.M
2109408-010A                          104    1.000     01 Oct 2021  01:04 pm
  ------------------------------------------------------------------------
 23) 100123.D              8081_8082A_608.M
2109408-013A                          105    1.000     01 Oct 2021  01:14 pm
  ------------------------------------------------------------------------
 24) 100124.D              8081_8082A_608.M
2109421-001A                          106    1.000     01 Oct 2021  01:23 pm
  ------------------------------------------------------------------------
 25) 100125.D              8081_8082A_608.M
2109508-015A                          107    1.000     01 Oct 2021  01:33 pm
  ------------------------------------------------------------------------
 26) 100126.D              8081_8082A_608.M
2109508-024A                          108    1.000     01 Oct 2021  01:43 pm
  ------------------------------------------------------------------------
 27) 100127.D              8081_8082A_608.M
2109508-025A                          109    1.000     01 Oct 2021  01:53 pm
  ------------------------------------------------------------------------
 28) 100128.D              8081_8082A_608.M
LCS1D-33916                           110    1.000     01 Oct 2021  02:12 pm
  ------------------------------------------------------------------------
 29) 100129.D              8081_8082A_608.M
1660-CCV-33899B                         6    1.000     01 Oct 2021  02:22 pm
  ------------------------------------------------------------------------
 30) 100130.D              8081_8082A_608.M
1254-CCV-33899B                         7    1.000     01 Oct 2021  02:32 pm
  ------------------------------------------------------------------------
```

Calibration

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:22 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 1 TCMX %RSE =



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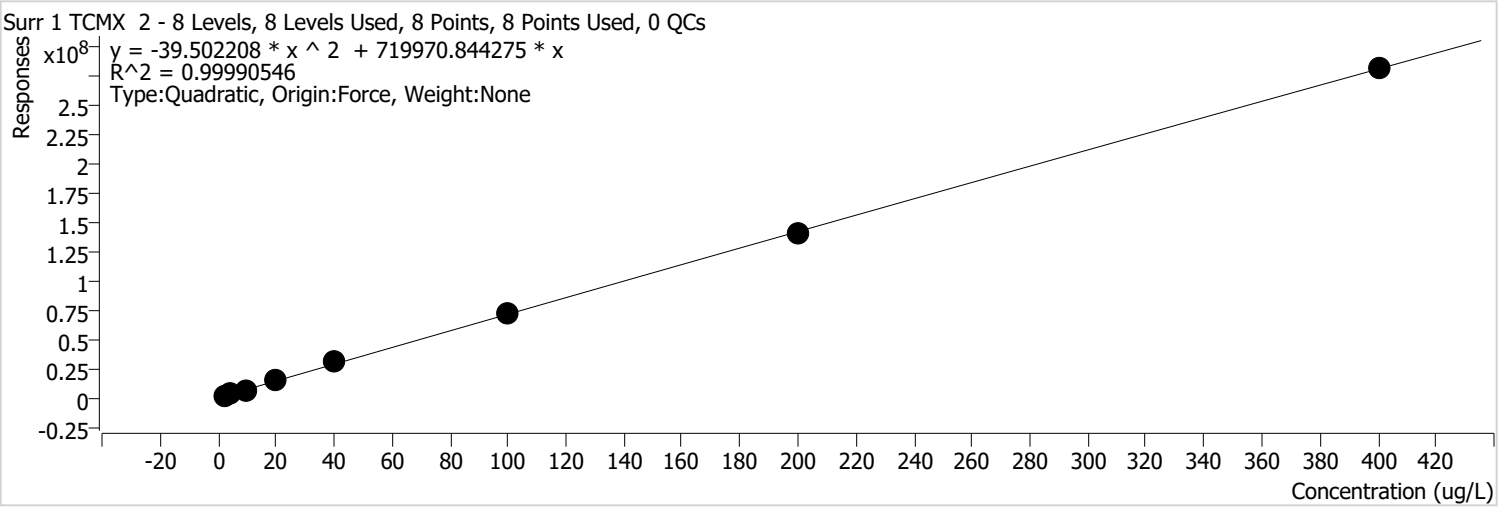
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	11449948	10.0000	1144994.7636	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	26421926	20.0000	1321096.2764	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	50798942	40.0000	1269973.5488	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	118768018	100.0000	1187680.1829	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	238292847	200.0000	1191464.2361	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	463107967	400.0000	1157769.9172	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 1 TCMX 2 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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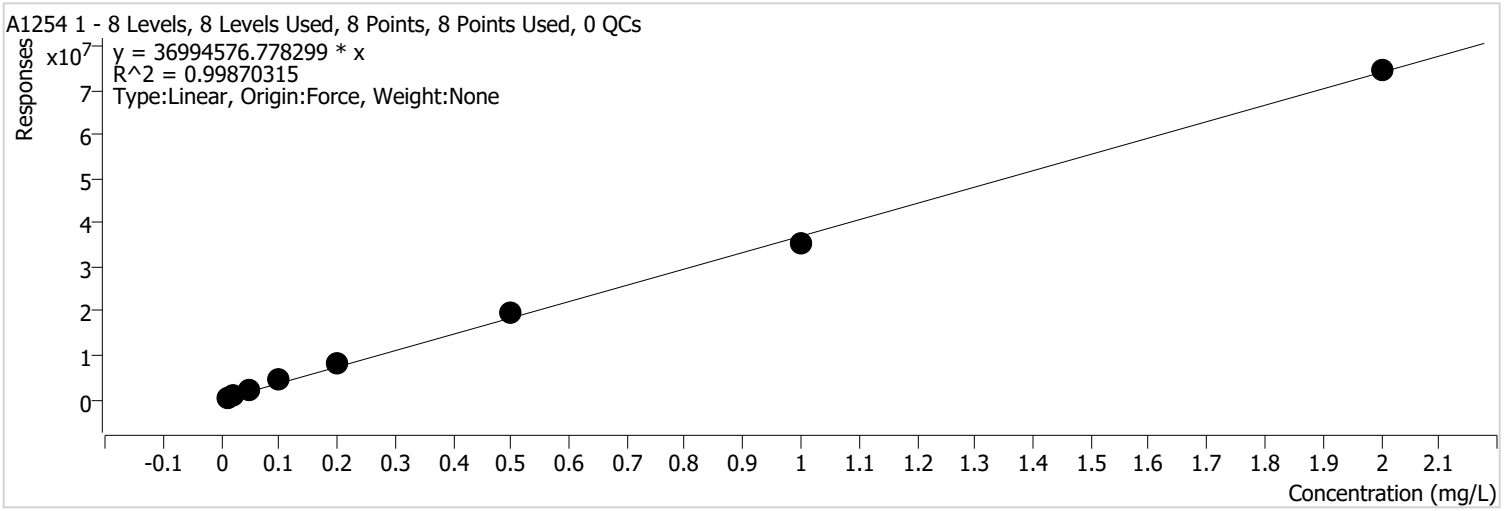
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	3470818	4.0000	867704.5477	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	6955331	10.0000	695533.1168	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	15983700	20.0000	799184.9873	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	30416920	40.0000	760422.9906	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	71319062	100.0000	713190.6157	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	141716800	200.0000	708584.0024	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	281839270	400.0000	704598.1740	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 1 %RSE = 17.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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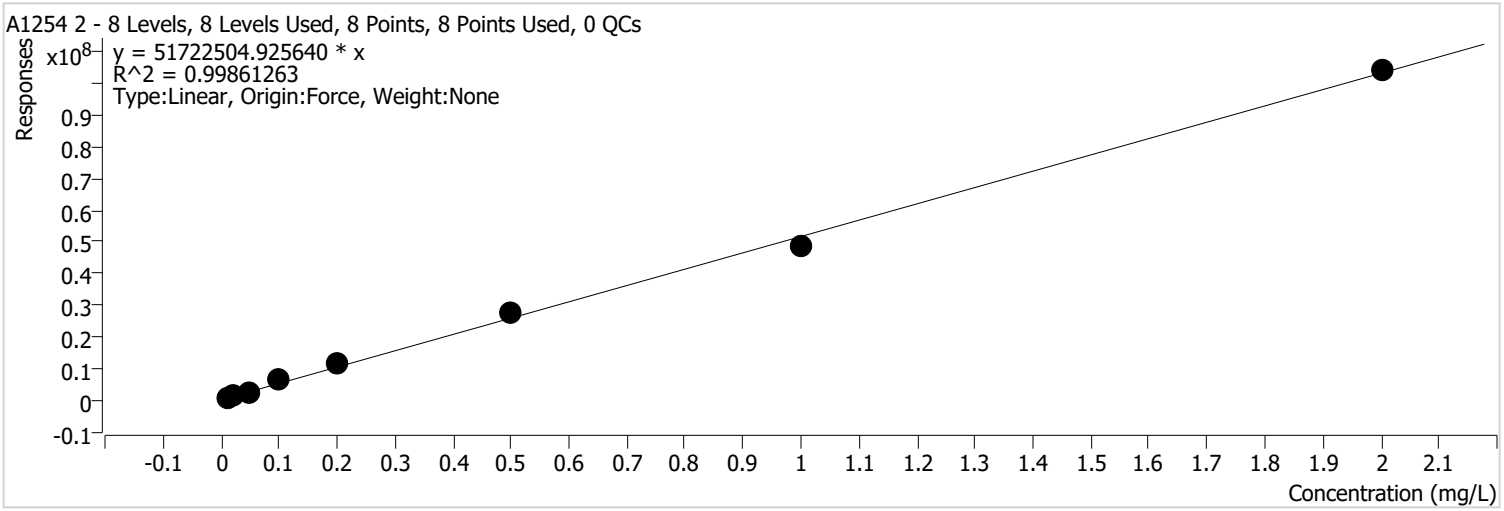
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2057399	0.0500	41147983.0597	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4641418	0.1000	46414177.6100	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	8328295	0.2000	41641475.2047	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	19677294	0.5000	39354588.7044	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	35378372	1.0000	35378372.4367	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	74354852	2.0000	37177425.9706	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 2 %RSE = 23.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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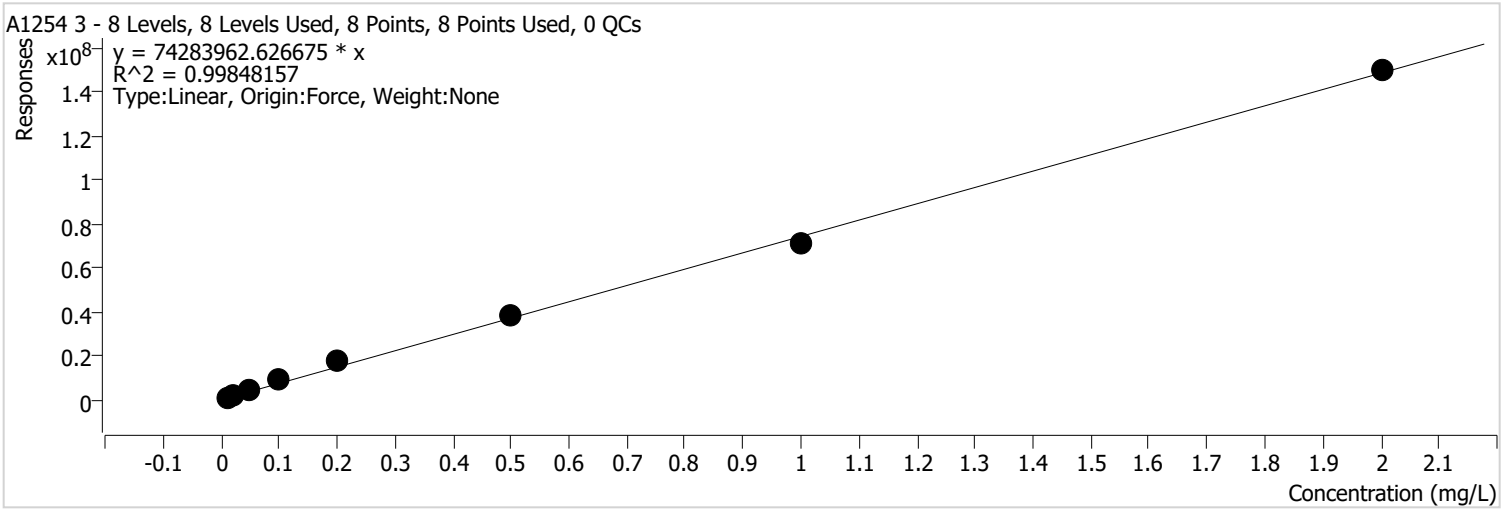
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1367687	0.0200	68384349.9245	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2664818	0.0500	53296364.1113	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	6329142	0.1000	63291424.4759	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	11640085	0.2000	58200422.9118	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	27312124	0.5000	54624248.9388	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	49133781	1.0000	49133781.3867	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	104182916	2.0000	52091458.0906	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 3 %RSE = 25.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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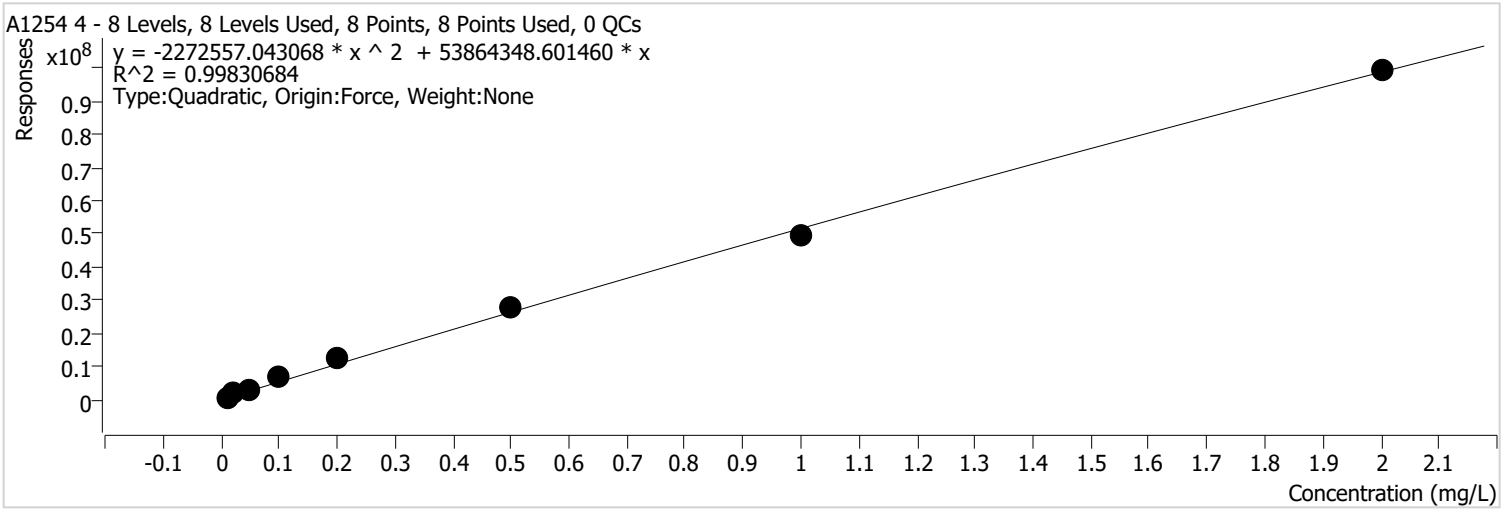
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	2137905	0.0200	106895252.8077	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	4041302	0.0500	80826030.1402	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	9199778	0.1000	91997781.0889	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	17458680	0.2000	87293400.7929	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	38943523	0.5000	77887045.9859	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	70621068	1.0000	70621068.4727	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	149584402	2.0000	74792201.0951	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 4 %RSE = 52.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	3069701	0.0500	61394028.5651	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	6926129	0.1000	69261291.2286	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	12565315	0.2000	62826573.7891	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	27722398	0.5000	55444796.4972	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	49512340	1.0000	49512340.2188	
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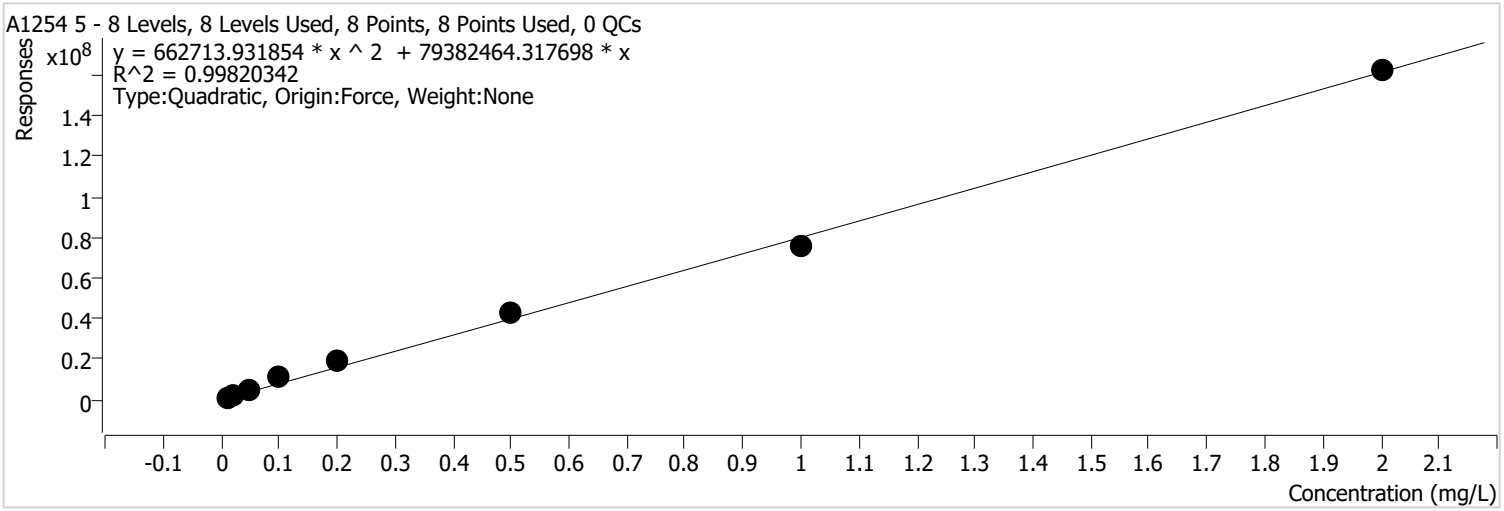
Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 5 %RSE = 26.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1993529	0.0200	99676448 .6731	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	4751353	0.0500	95027052 .3297	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	10753746	0.1000	10753746 2.2424	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	18860824	0.2000	94304119 .8496	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	42553518	0.5000	85107036 .1156	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	76327536	1.0000	76327535 .6302	
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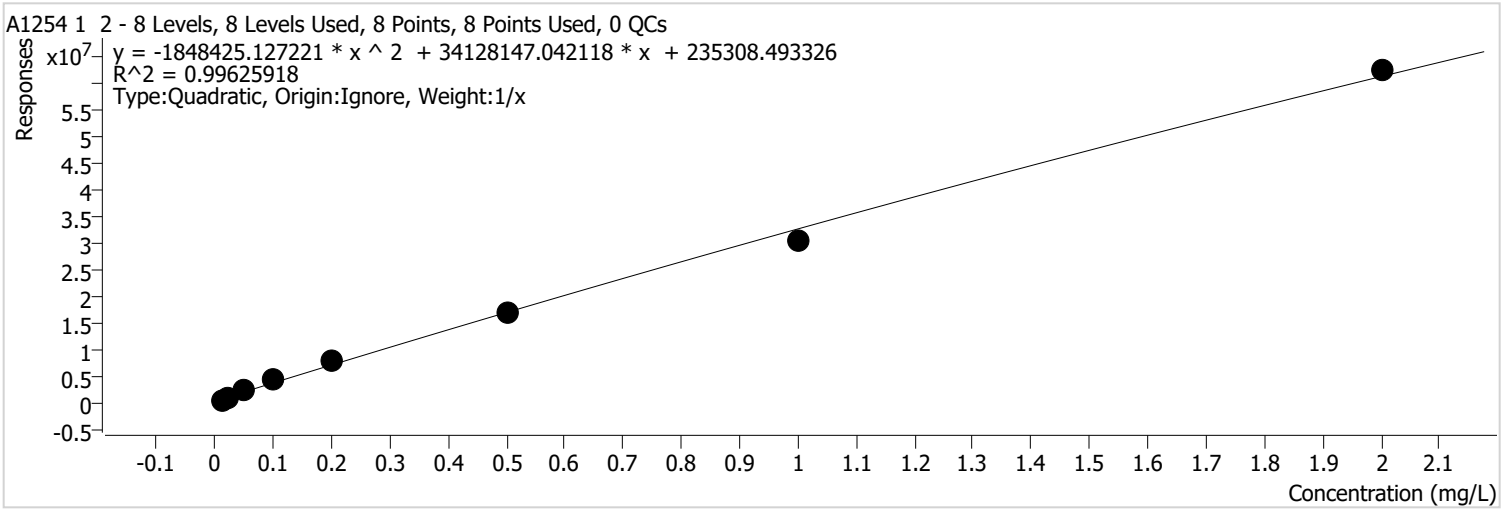
Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 1 2 %RSE = 19.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2054540	0.0500	41090799.6005	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4167153	0.1000	41671526.9943	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	7671987	0.2000	38359936.8127	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	16802254	0.5000	33604508.3008	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	30206895	1.0000	30206895.4610	
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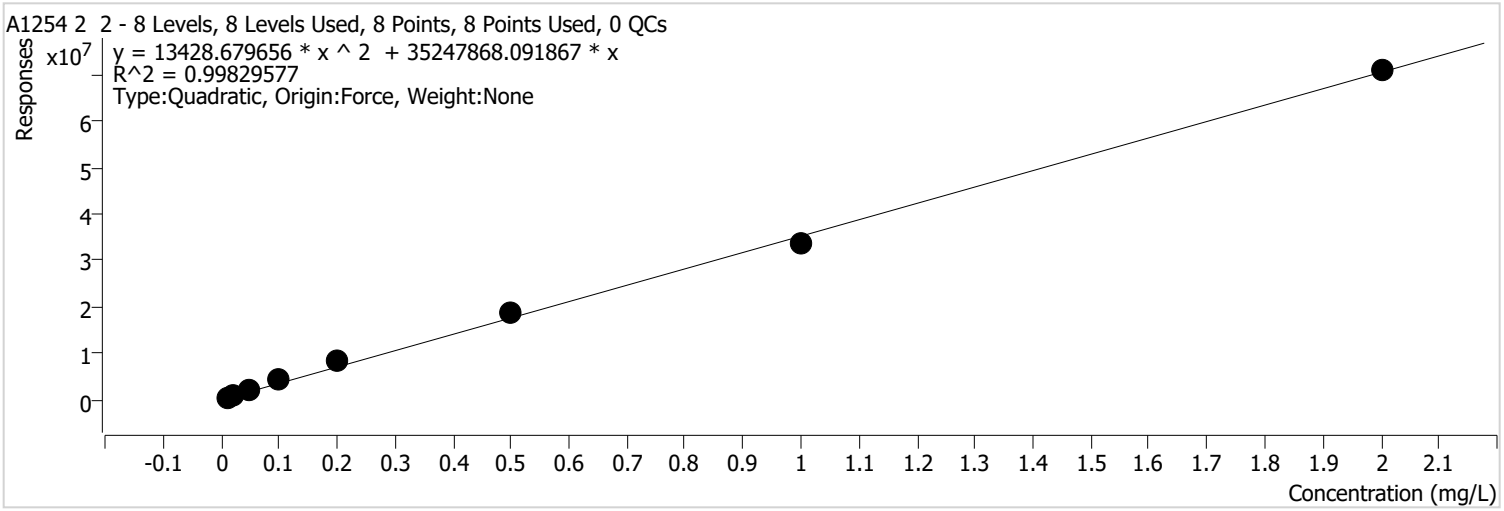
Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 2 2 %RSE = 32.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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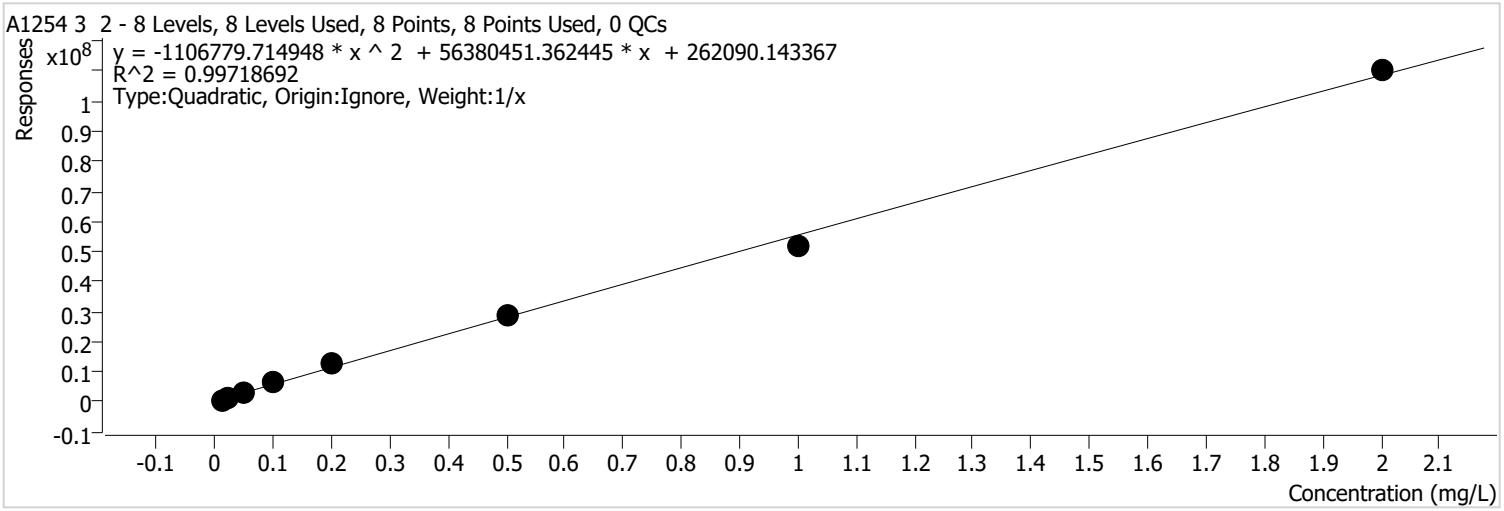
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	1985173	0.0500	39703465.3877	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4492117	0.1000	44921173.2075	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	8470833	0.2000	42354166.5894	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	18772932	0.5000	37545863.5221	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	33668459	1.0000	33668458.8550	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	70859255	2.0000	35429627.3418	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 3 2 %RSE = 13.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	723400	0.0100	72339996.2119	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1487114	0.0200	74355714.8858	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2782341	0.0500	55646812.4860	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	6610456	0.1000	66104564.7499	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	12703123	0.2000	63515616.9206	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	28576557	0.5000	57153114.1770	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	51974329	1.0000	51974328.6251	
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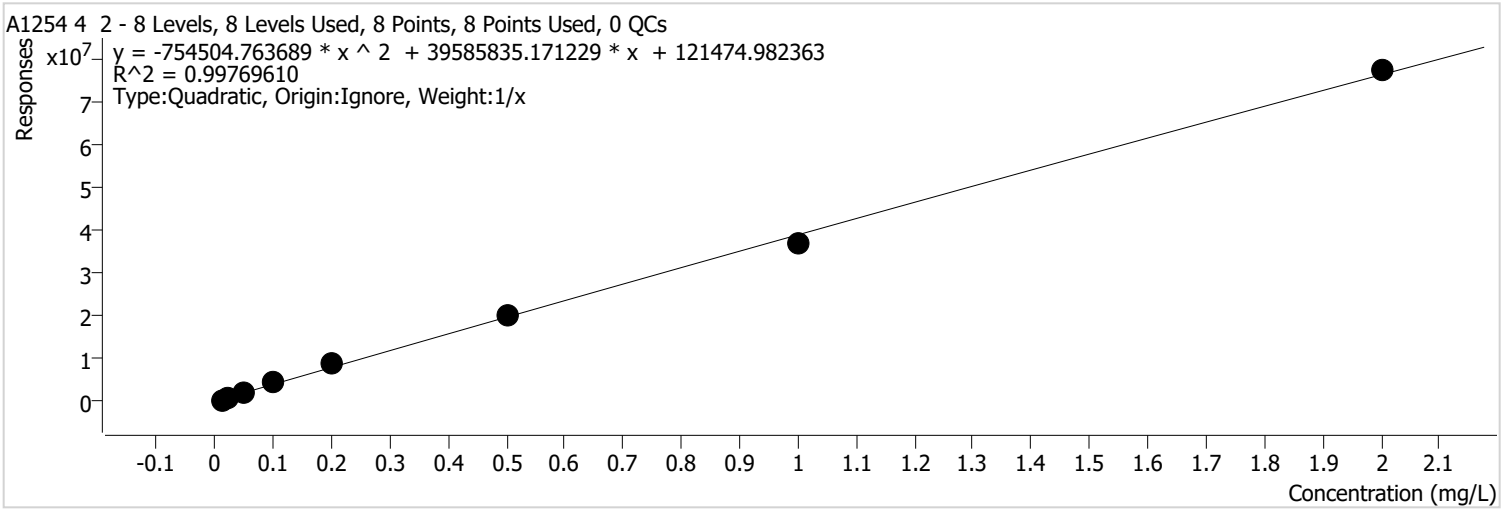
Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 4 2 %RSE = 12.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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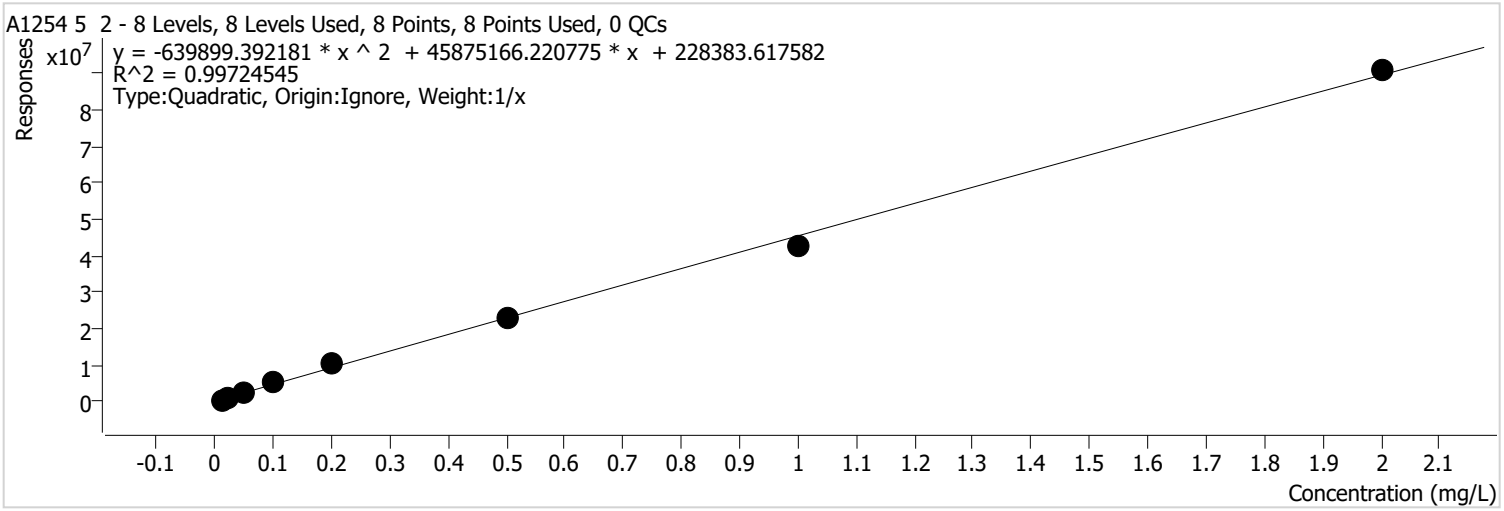
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	992137	0.0200	49606842.0830	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	1842588	0.0500	36851751.2082	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4575383	0.1000	45753834.9499	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	8666046	0.2000	43330229.2589	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	20065006	0.5000	40130011.3551	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	36769274	1.0000	36769274.3145	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	77197100	2.0000	38598550.1918	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

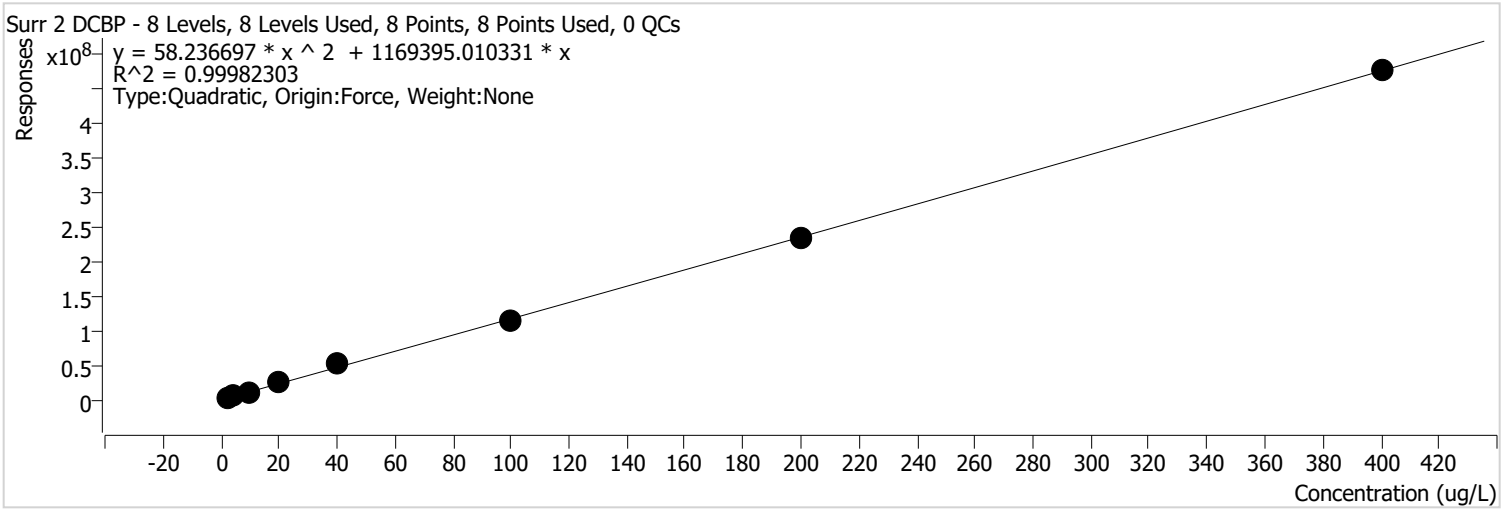
A1254 5 2 %RSE = 14.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	587780	0.0100	58778014.6034	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1251861	0.0200	62593052.6812	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2273246	0.0500	45464920.7455	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	5477425	0.1000	54774254.0032	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	10320059	0.2000	51600296.6787	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	23147064	0.5000	46294128.9996	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	42756438	1.0000	42756437.7267	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	90615453	2.0000	45307726.6005	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

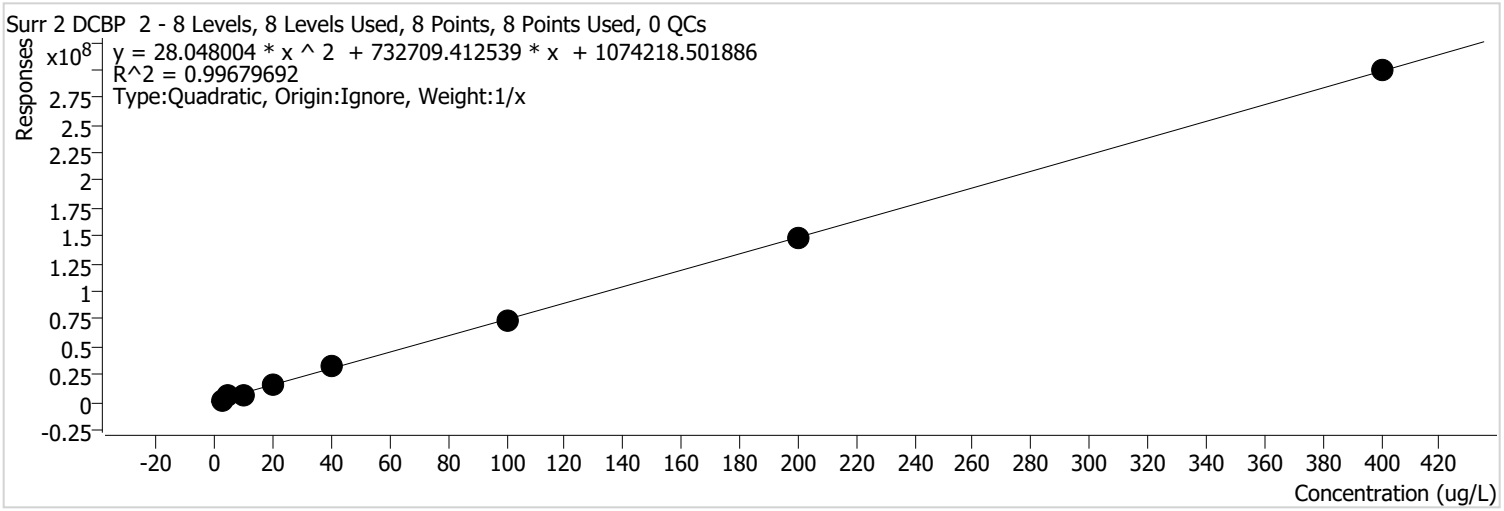
Surr 2 DCBP %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	3183383	2.0000	1591691.4434	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	6037207	4.0000	1509301.7922	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	10717279	10.0000	1071727.9287	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	26213780	20.0000	1310688.9819	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	51148440	40.0000	1278710.9979	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	115483968	100.0000	1154839.6777	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	235688984	200.0000	1178444.9213	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	477283772	400.0000	1193209.4297	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 2 DCBP 2 %RSE =

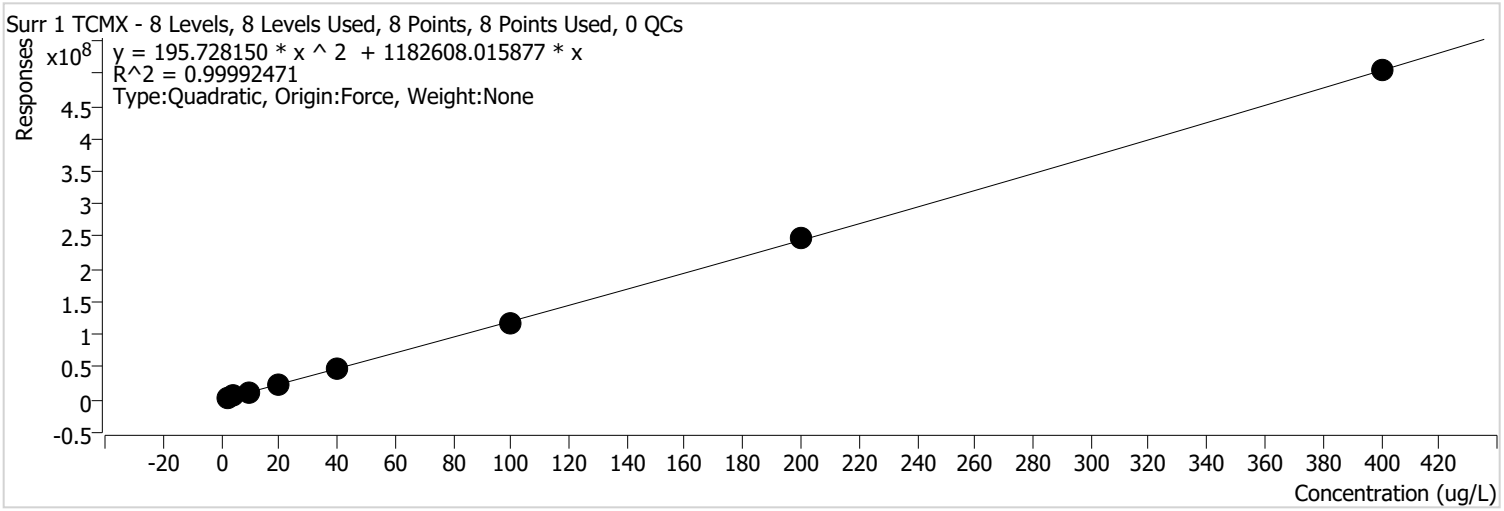


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	2044392	2.0000	1022196.0435	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	5552223	4.0000	1388055.6740	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	6444990	10.0000	644498.9905	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	16188871	20.0000	809443.5344	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	32492648	40.0000	812316.1880	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	73000396	100.0000	730003.9561	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	148348565	200.0000	741742.8246	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	299053711	400.0000	747634.2781	

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:30 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

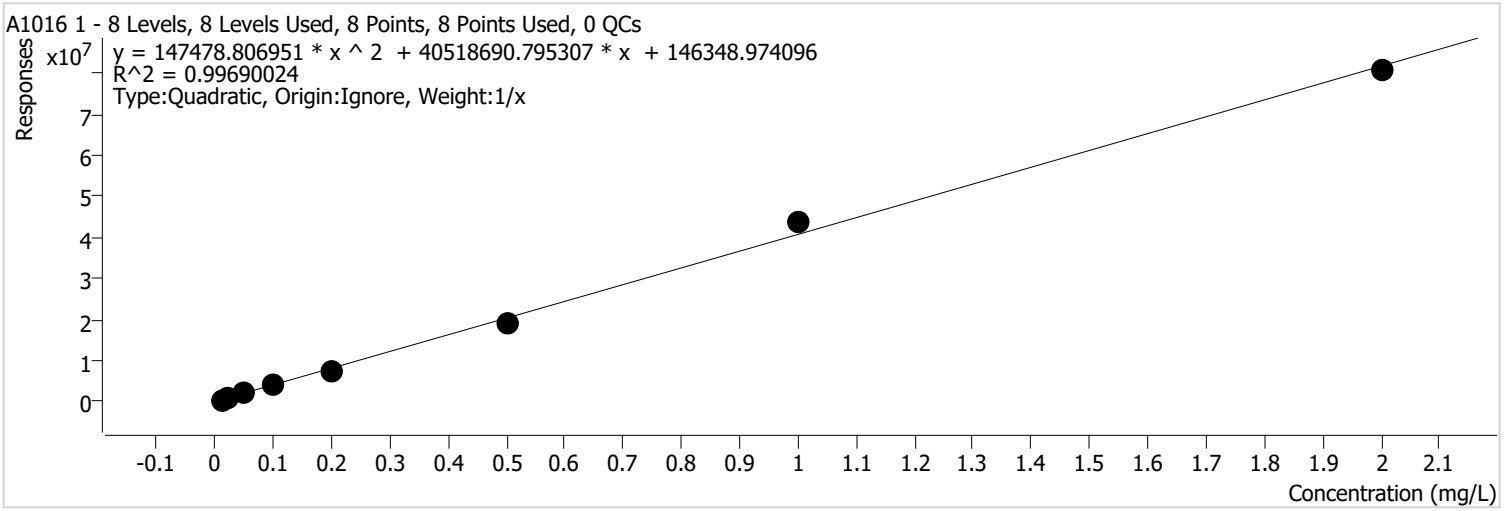
Surr 1 TCMX %RSE = 4.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	2474438	2.0000	1237219.1706	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	4987633	4.0000	1246908.2243	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	12384484	10.0000	1238448.4010	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	24518060	20.0000	1225902.9840	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	45851613	40.0000	1146290.3301	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	117657330	100.0000	1176573.3042	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	246692607	200.0000	1233463.0357	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	503949613	400.0000	1259874.0320	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

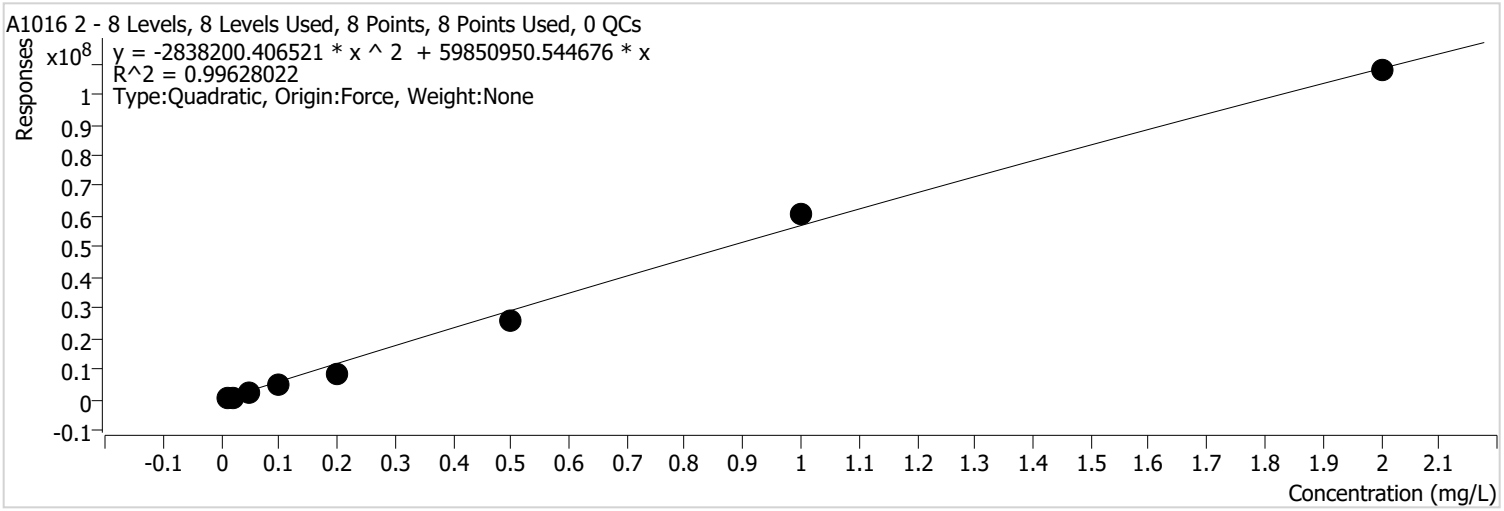
A1016 1 %RSE = 7.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	540249	0.0100	54024874.9832	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1015891	0.0200	50794541.9577	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2256885	0.0500	45137701.9491	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	4236470	0.1000	42364702.3382	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	7565183	0.2000	37825913.9081	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	18919821	0.5000	37839642.8154	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	44011403	1.0000	44011402.5153	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	80619491	2.0000	40309745.2835	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

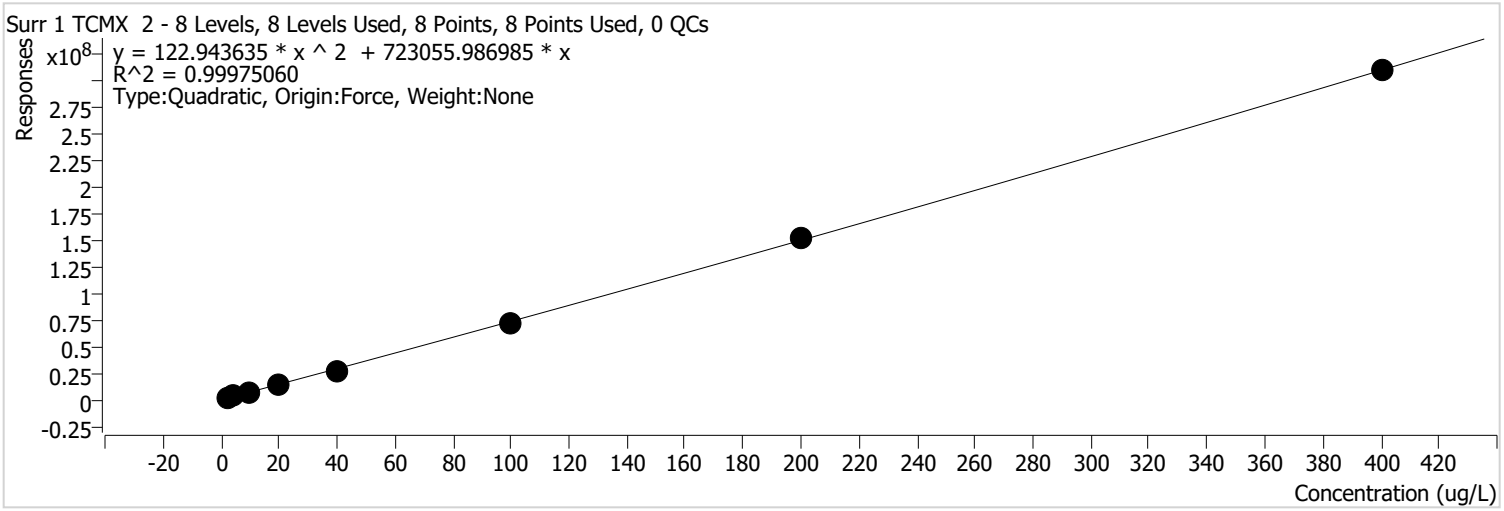
A1016 2 %RSE = 18.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	627978	0.0100	62797773.7890	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1009212	0.0200	50460581.6849	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2439382	0.0500	48787633.7407	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5094470	0.1000	50944700.0329	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	8813052	0.2000	44065261.7449	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	25705784	0.5000	51411568.8418	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	60964923	1.0000	60964923.3944	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	107613391	2.0000	53806695.4342	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

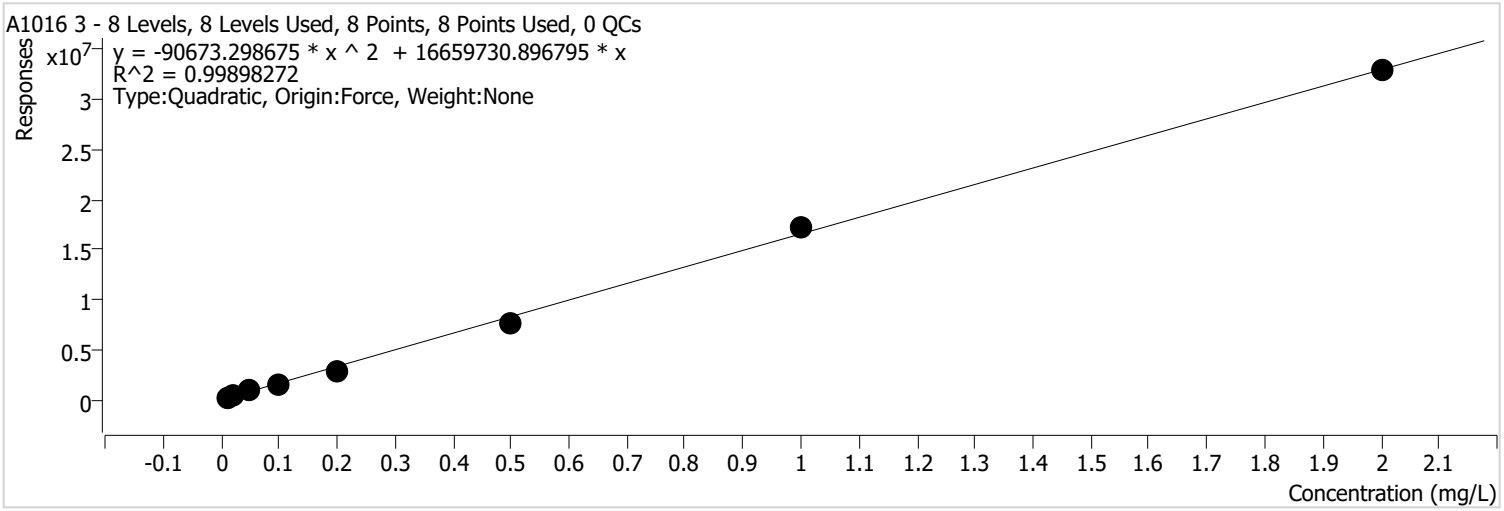
Surr 1 TCMX 2 %RSE = 4.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1503774	2.0000	751887.1802	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	3067405	4.0000	766851.1424	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	7327299	10.0000	732729.8999	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	14477484	20.0000	723874.1895	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	27169955	40.0000	679248.8664	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	70673943	100.0000	706739.4275	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	152366404	200.0000	761832.0216	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	308382330	400.0000	770955.8244	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

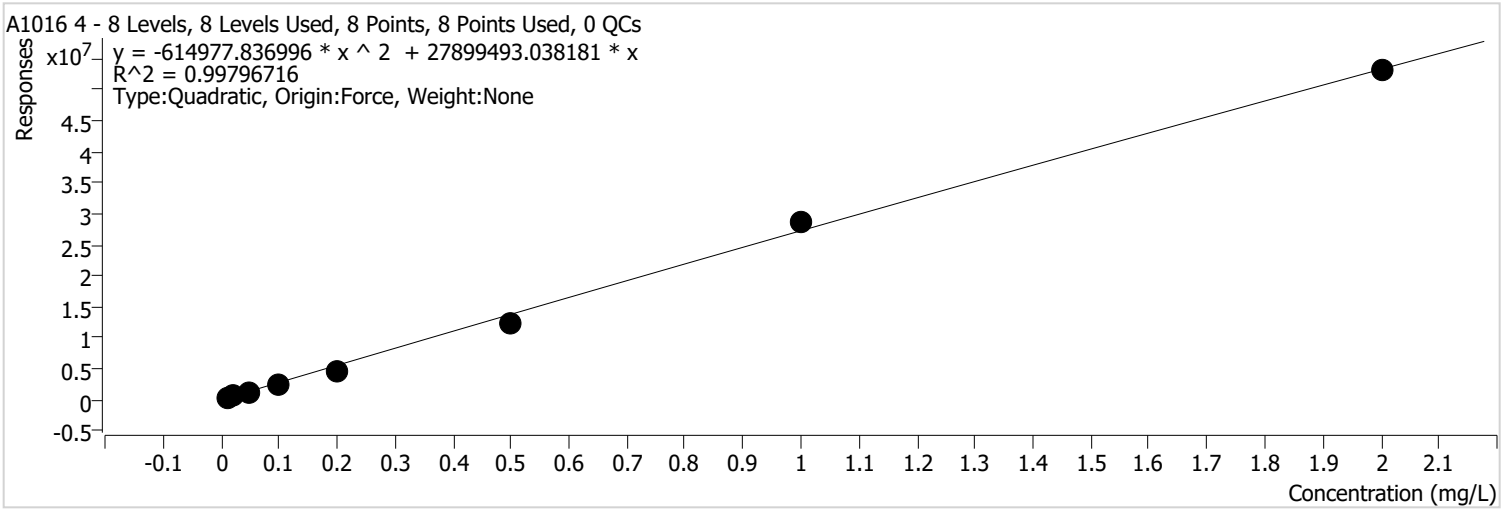
A1016 3 %RSE = 9.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	150518	0.0100	15051764.4428	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	347023	0.0200	17351127.6415	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	891972	0.0500	17839430.6314	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1592932	0.1000	15929318.1107	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	2808702	0.2000	14043512.2787	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	7760432	0.5000	15520863.4808	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	17173897	1.0000	17173896.8888	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	32845070	2.0000	16422535.0625	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

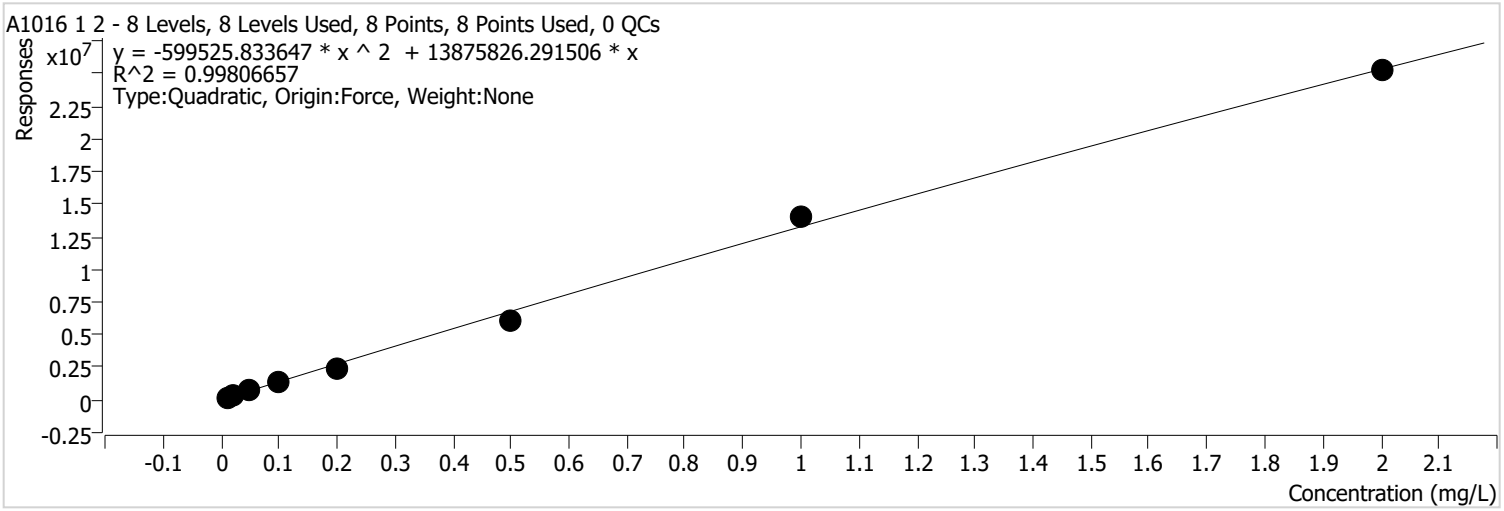
A1016 4 %RSE = 9.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	264805	0.0100	26480526.0256	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	561269	0.0200	28063472.0185	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1342581	0.0500	26851617.8650	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2651472	0.1000	26514719.9651	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	4621923	0.2000	23109614.1009	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	12370922	0.5000	24741844.6725	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	28719583	1.0000	28719582.8557	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	53079072	2.0000	26539535.8344	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

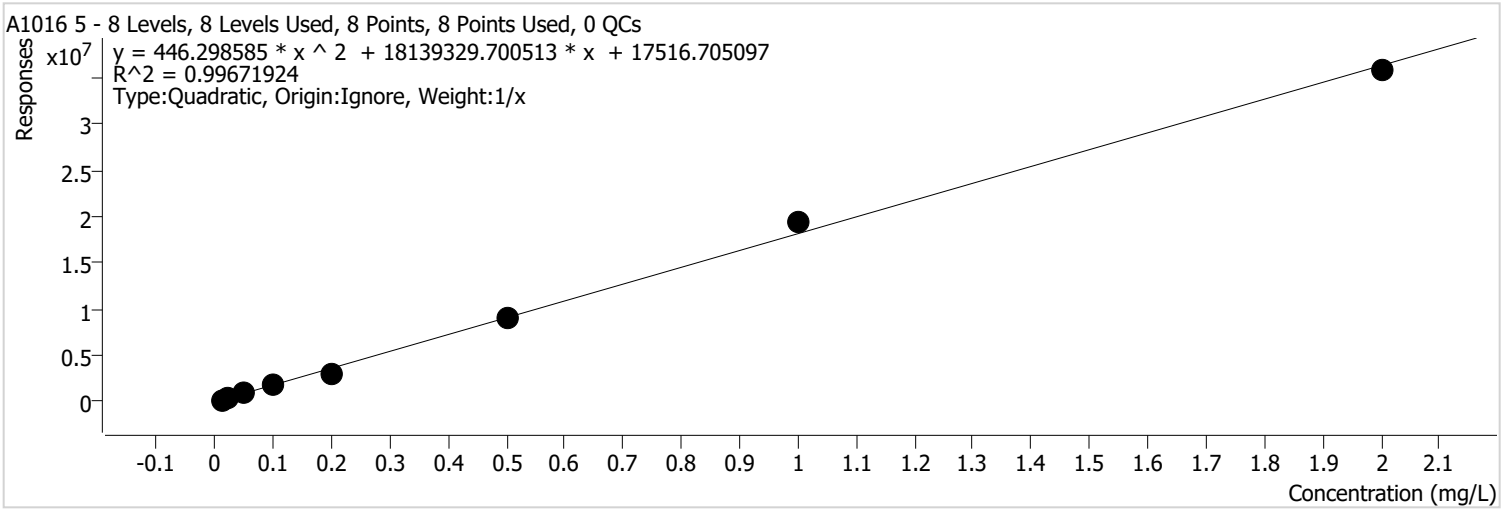
A1016 1 2 %RSE = 12.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	118129	0.0100	11812870.0000	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	244314	0.0200	12215704.7390	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	698533	0.0500	13970657.9333	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1290690	0.1000	12906899.7625	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	2386611	0.2000	11933056.9827	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	6093266	0.5000	12186532.2497	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	13946998	1.0000	13946997.5693	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	25233171	2.0000	12616585.3501	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

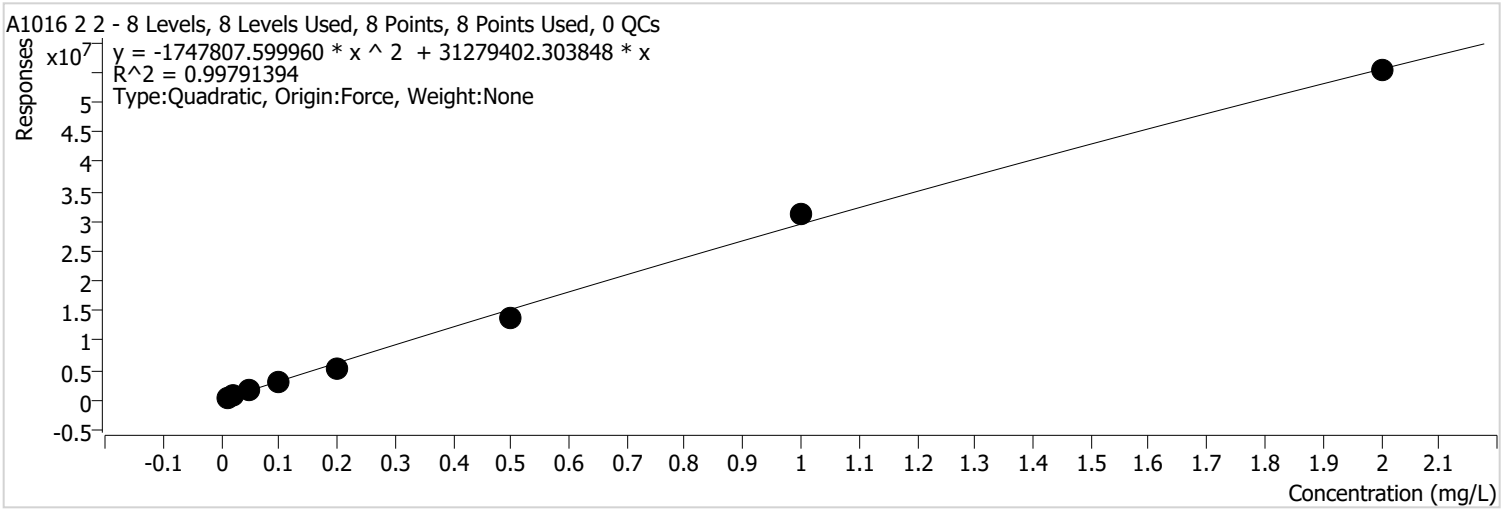
A1016 5 %RSE = 11.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	228423	0.0100	22842325.0434	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	385241	0.0200	19262071.5594	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	918195	0.0500	18363893.8530	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1732271	0.1000	17322706.8867	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	3056648	0.2000	15283237.9293	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	9003701	0.5000	18007401.7278	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	19474641	1.0000	19474641.2200	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	35723980	2.0000	17861989.9337	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

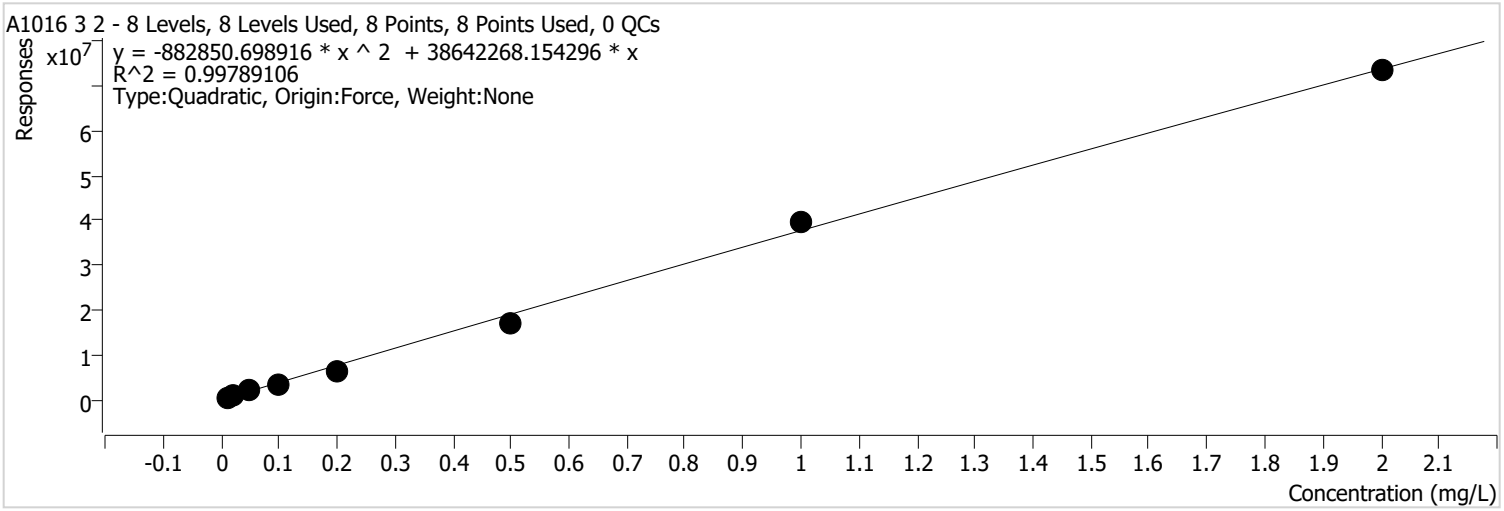
A1016 2 2 %RSE = 14.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	386077	0.0100	38607675.4343	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	627581	0.0200	31379063.7233	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1483941	0.0500	29678813.0000	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2919339	0.1000	29193390.2500	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	5269785	0.2000	26348922.8750	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	13662960	0.5000	27325920.0000	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	31058385	1.0000	31058384.5500	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	55291798	2.0000	27645899.2000	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

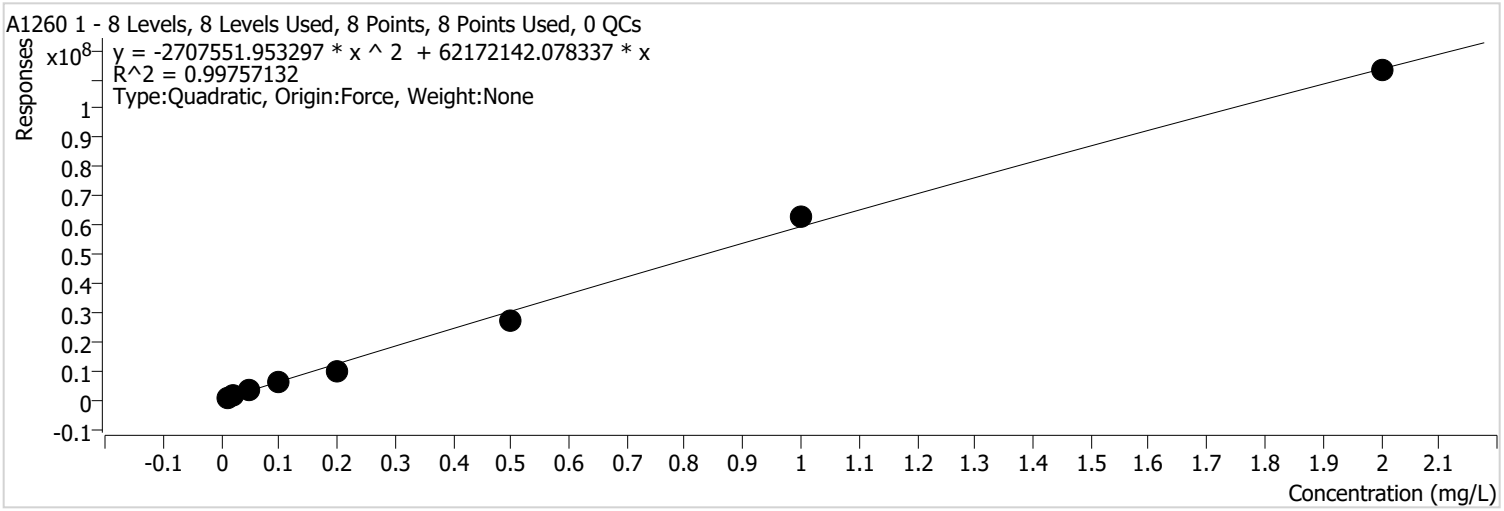
A1016 3 2 %RSE = 18.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	513215	0.0100	51321501.3373	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	851252	0.0200	42562596.9827	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1903978	0.0500	38079559.5011	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	3656426	0.1000	36564258.7508	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	6436607	0.2000	32183034.3425	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	17061022	0.5000	34122044.0001	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	39776008	1.0000	39776007.7546	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	73389516	2.0000	36694758.1582	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1260 1 %RSE = 10.9

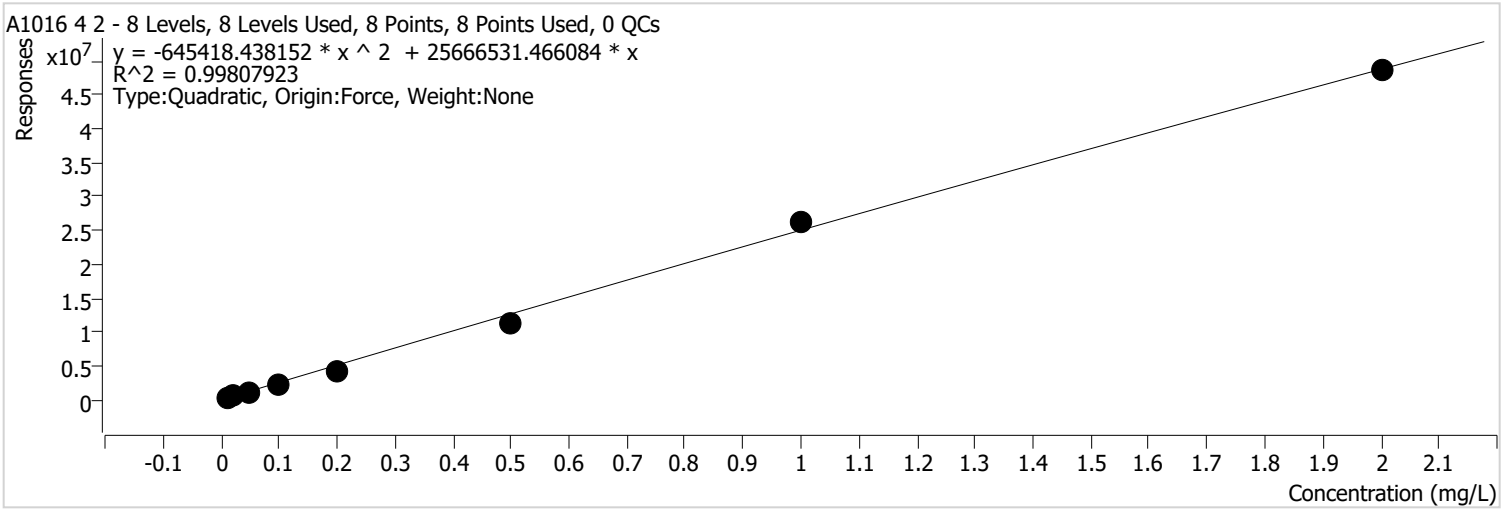


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	616855	0.0100	61685464.6166	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1228008	0.0200	61400419.3559	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2966130	0.0500	59322605.6706	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5874542	0.1000	58745416.6504	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	9863955	0.2000	49319772.7881	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	27258601	0.5000	54517202.8499	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	62787763	1.0000	62787762.9214	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	112905692	2.0000	56452845.7869	

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

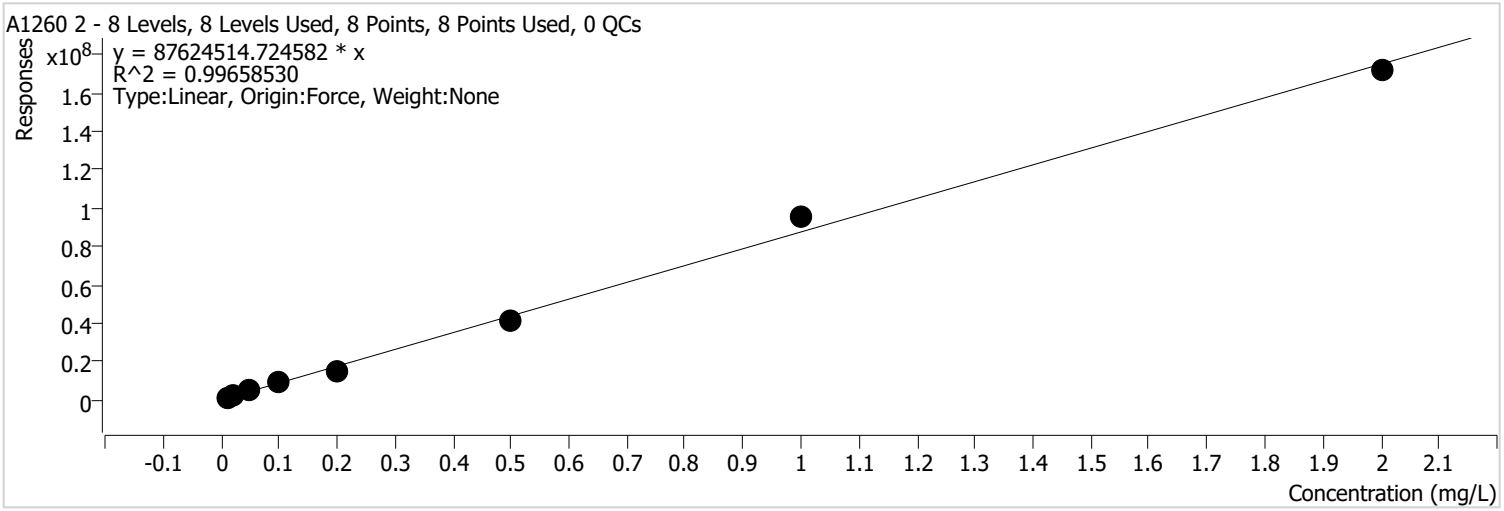
A1016 4 2 %RSE = 12.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	227079	0.0100	22707914.1335	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	461159	0.0200	23057966.0740	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1204375	0.0500	24087492.4589	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2346306	0.1000	23463058.8477	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	4314034	0.2000	21570168.5271	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	11406542	0.5000	22813084.7129	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	26306607	1.0000	26306607.1293	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	48517625	2.0000	24258812.3796	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

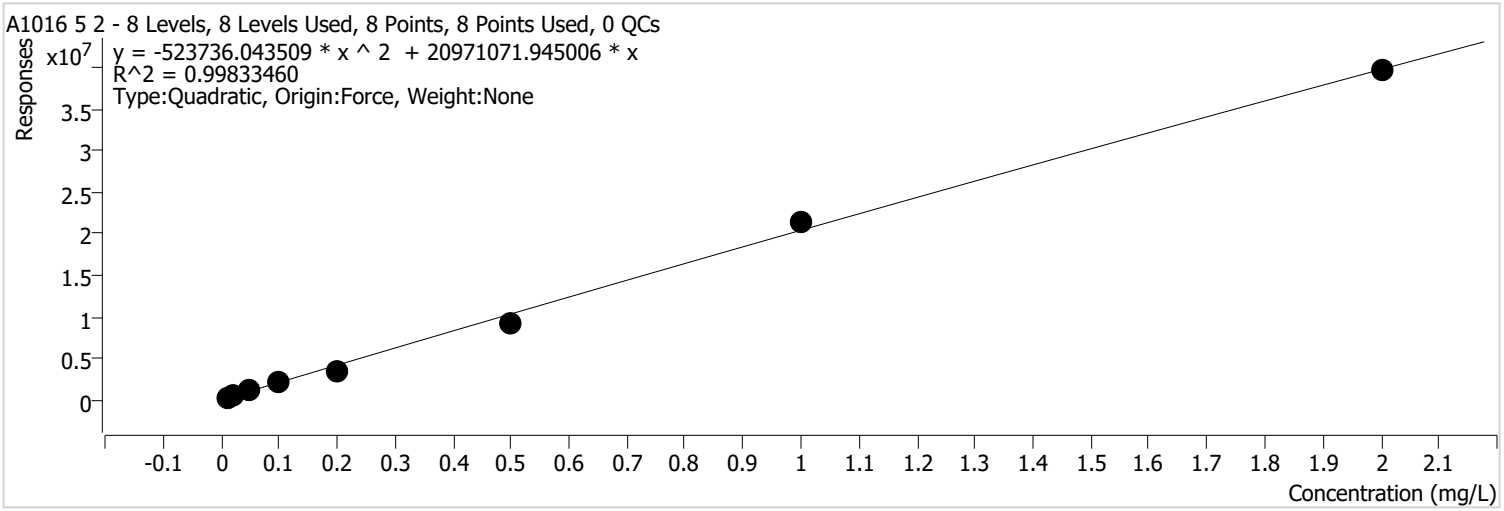
A1260 2 %RSE = 8.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	965094	0.0100	96509437.2949	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1927415	0.0200	96370772.9265	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	4578738	0.0500	91574756.2738	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	8884910	0.1000	88849103.4044	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	15527304	0.2000	77636521.9623	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	41930524	0.5000	83861047.8932	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	95966340	1.0000	95966339.7632	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	171735056	2.0000	85867527.9480	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

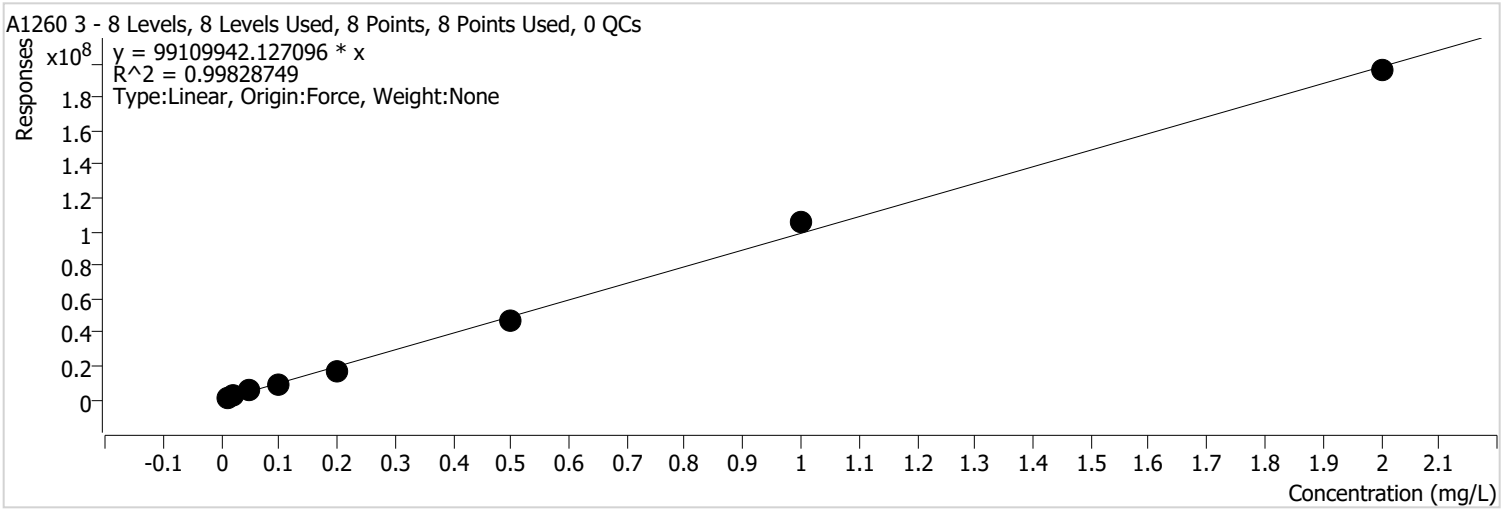
A1016 5 2 %RSE = 8.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	213435	0.0100	21343518.4290	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	418158	0.0200	20907922.1111	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1079679	0.0500	21593582.7422	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2073012	0.1000	20730121.4273	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	3579738	0.2000	17898689.6690	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	9357938	0.5000	18715876.9715	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	21408890	1.0000	21408890.3534	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	39675065	2.0000	19837532.3619	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

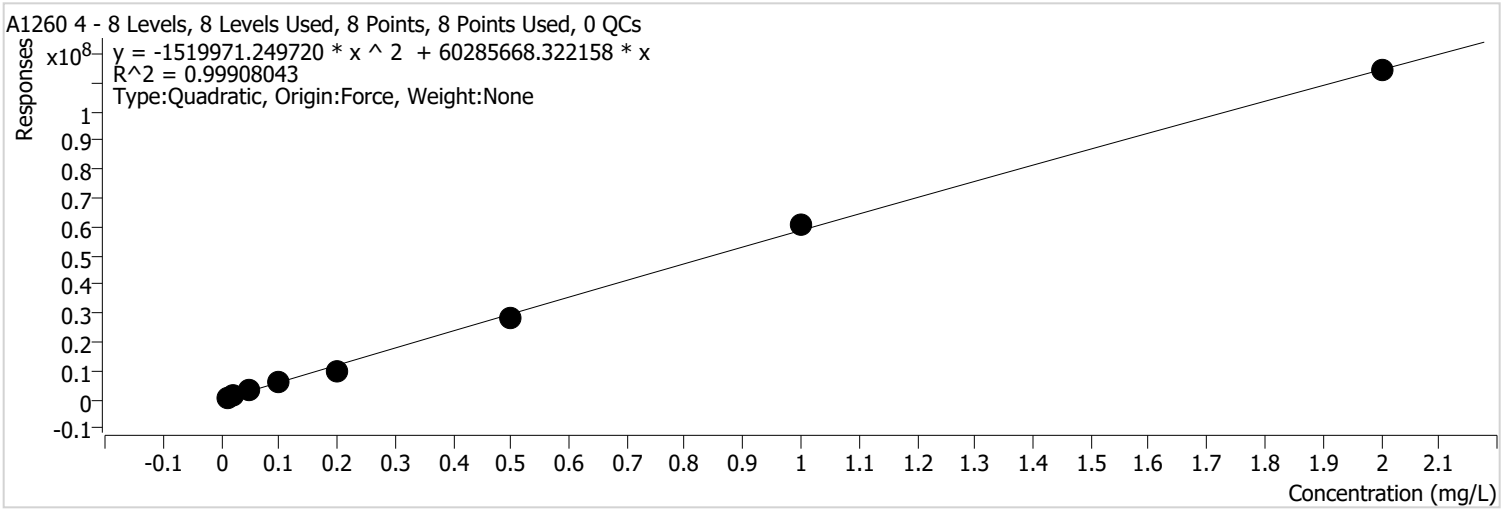
A1260 3 %RSE = 6.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1006370	0.0100	10063696 4.8941	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	2025009	0.0200	10125044 5.0070	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	5089679	0.0500	10179358 5.3517	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	9682808	0.1000	96828080 .5000	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	17319134	0.2000	86595671 .7116	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	47340623	0.5000	94681245 .5228	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	105501165	1.0000	10550116 5.3579	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	195835695	2.0000	97917847 .7125	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

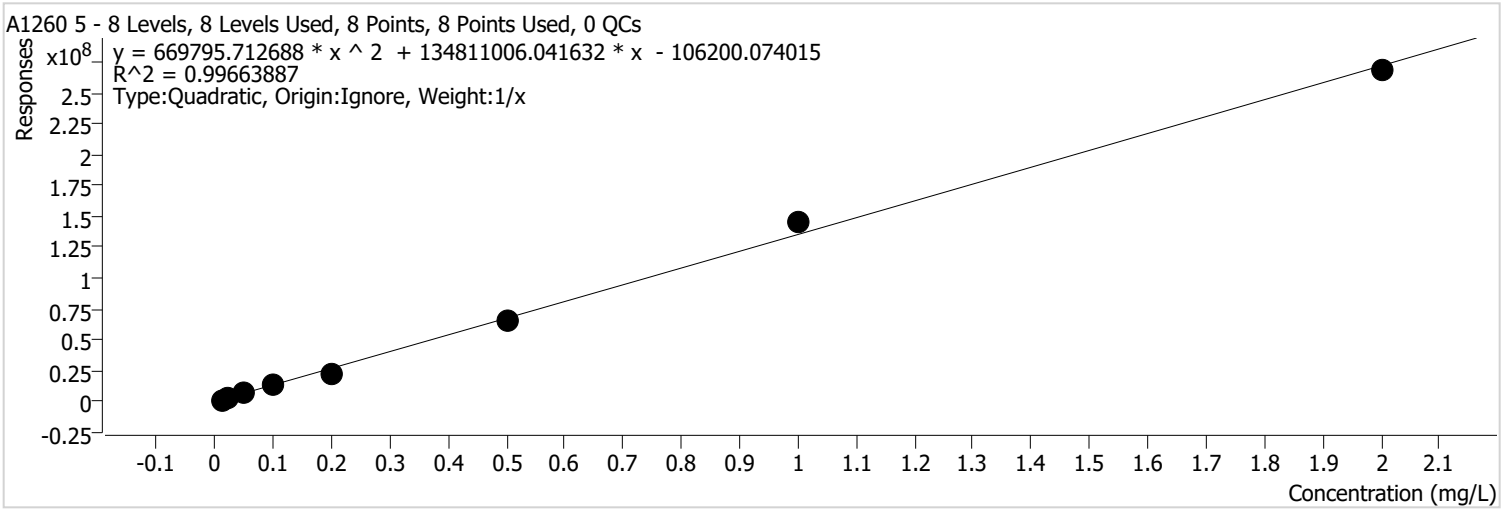
A1260 4 %RSE = 8.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	558458	0.0100	55845836.2392	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1195363	0.0200	59768143.7500	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2982536	0.0500	59650712.0000	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5929847	0.1000	59298469.0000	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	10045708	0.2000	50228539.9302	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	28118115	0.5000	56236229.7100	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	60721328	1.0000	60721327.6667	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	114125074	2.0000	57062537.0097	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

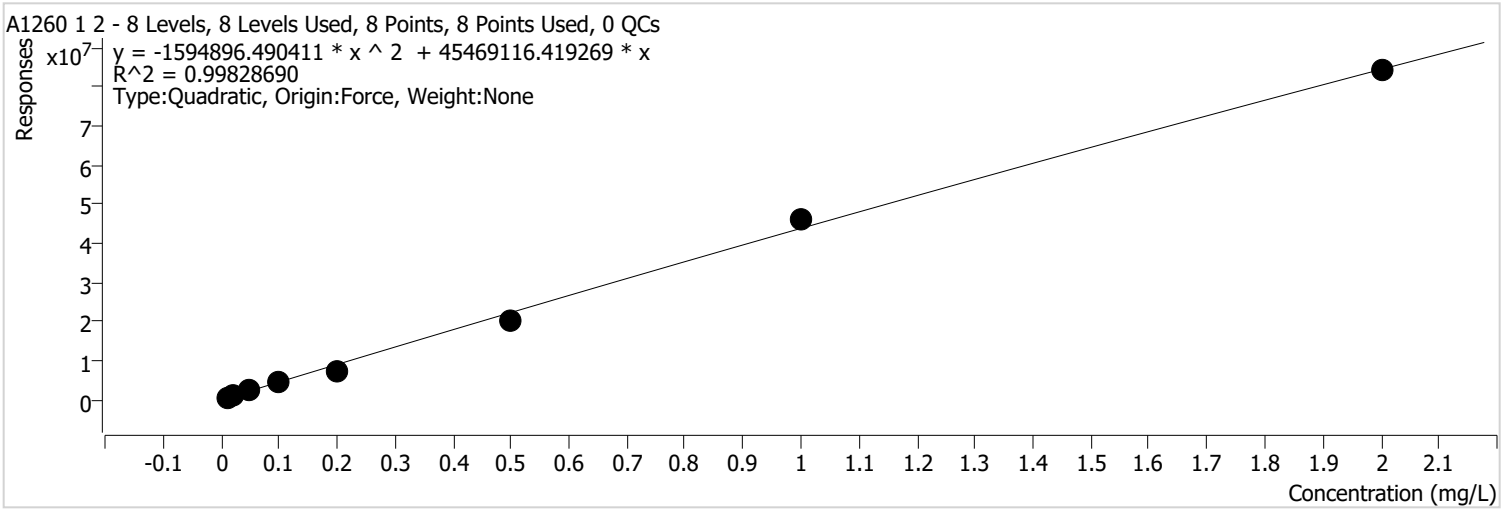
A1260 5 %RSE = 9.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1257434	0.0100	12574340 8.8116	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	2859327	0.0200	14296634 8.5981	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	6668126	0.0500	13336252 4.9736	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	13609710	0.1000	13609709 6.0557	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	22640017	0.2000	11320008 5.6770	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	65007120	0.5000	13001423 9.7761	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	145641580	1.0000	14564158 0.1325	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	268085715	2.0000	13404285 7.7217	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

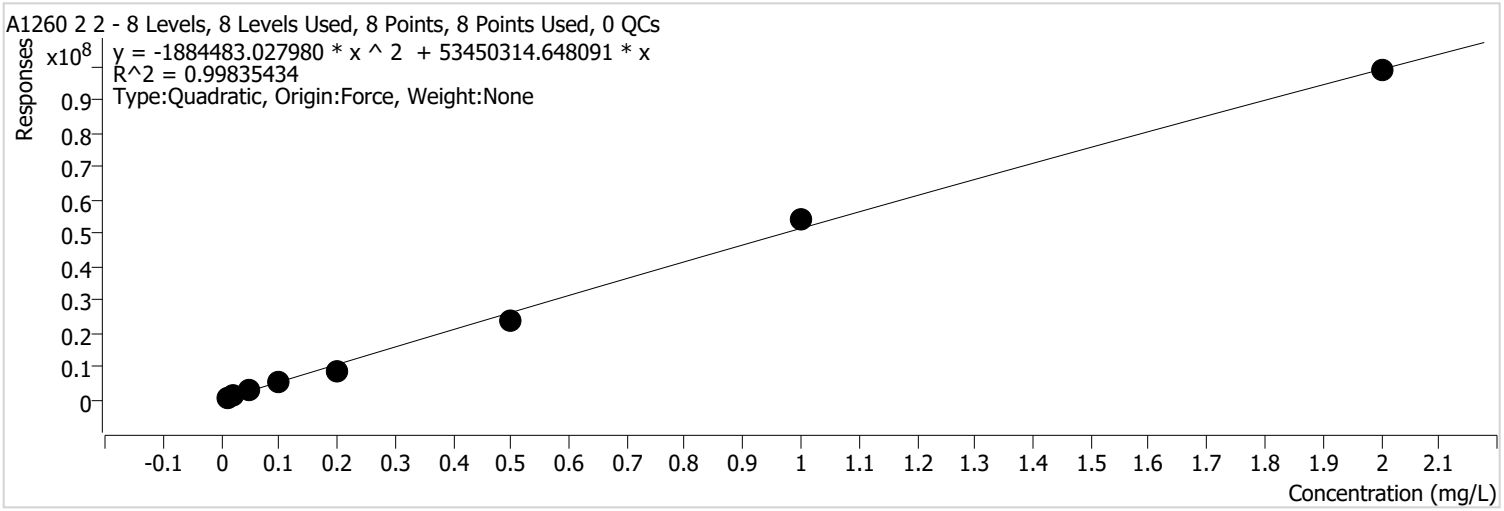
A1260 1 2 %RSE = 9.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	454898	0.0100	45489785.8995	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	962199	0.0200	48109947.6069	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2229708	0.0500	44594160.3693	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	4429510	0.1000	44295098.2366	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	7527890	0.2000	37639448.8096	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	20330660	0.5000	40661319.0826	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	45939899	1.0000	45939899.0049	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	84182845	2.0000	42091422.5107	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

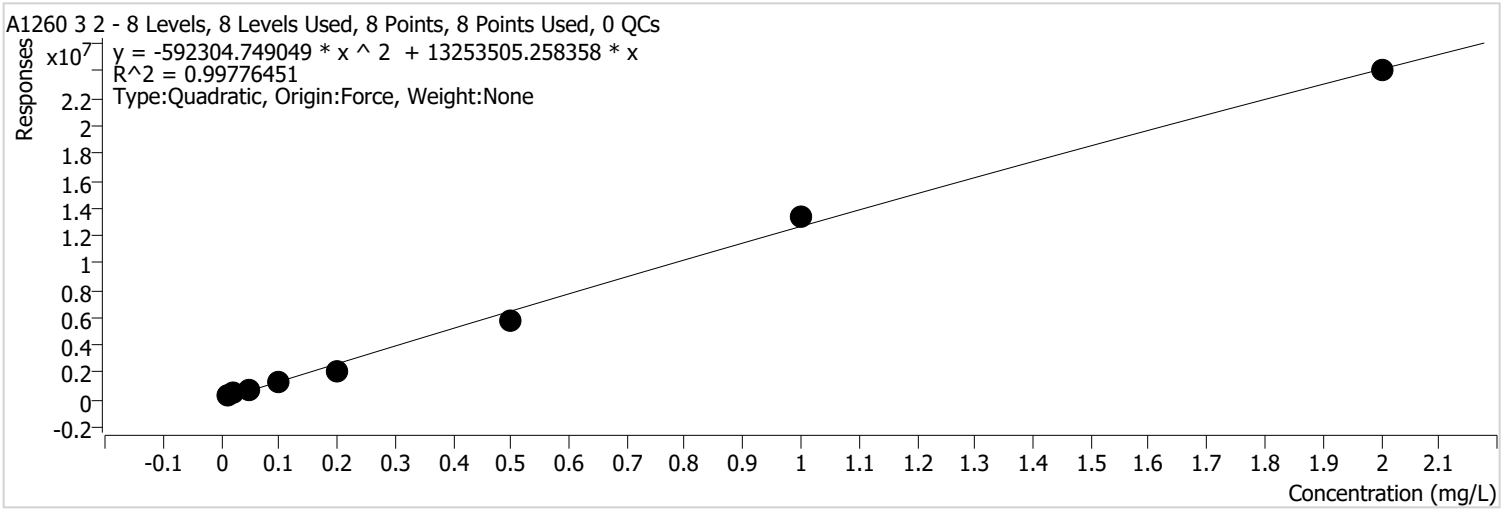
A1260 2 2 %RSE = 10.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	574088	0.0100	57408781.4850	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1191845	0.0200	59592268.6636	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2696925	0.0500	53938500.8158	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5272622	0.1000	52726215.2110	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	8812576	0.2000	44062878.0157	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	23979917	0.5000	47959834.1116	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	53921832	1.0000	53921832.4939	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	98933953	2.0000	49466976.4371	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

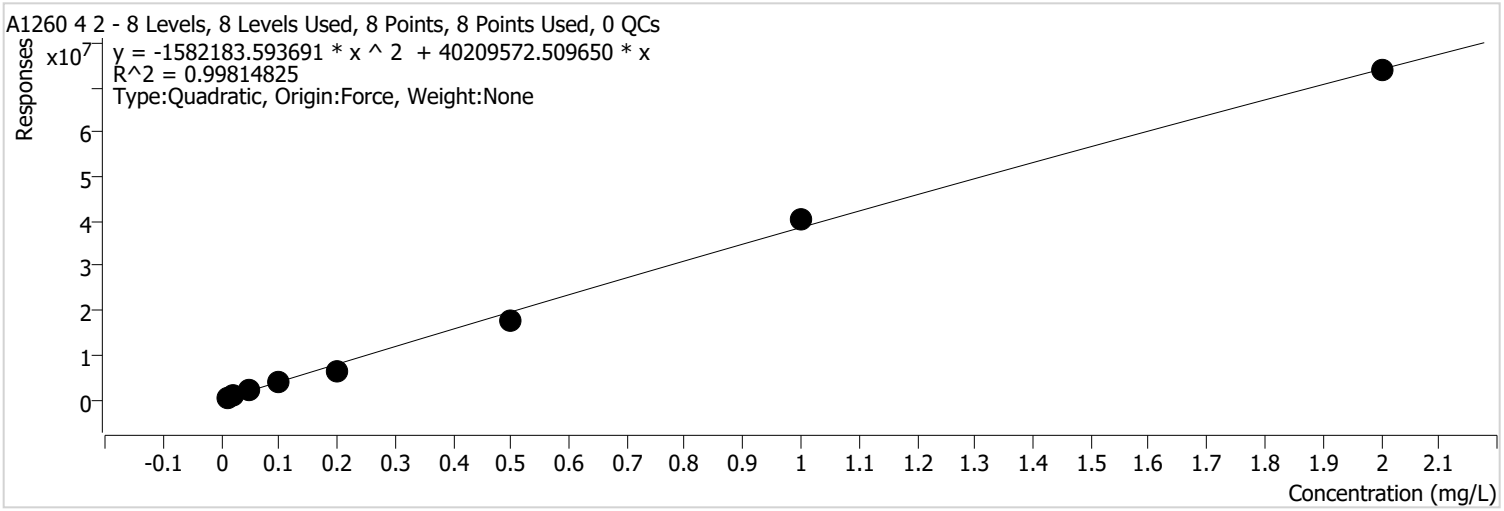
A1260 3 2 %RSE = 63.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	279268	0.0100	27926845.2679	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	488073	0.0200	24403625.6571	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	627223	0.0500	12544455.7110	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1263999	0.1000	12639986.8594	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	2162254	0.2000	10811270.6137	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	5839826	0.5000	11679651.4646	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	13309733	1.0000	13309732.5095	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	24020368	2.0000	12010184.0239	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

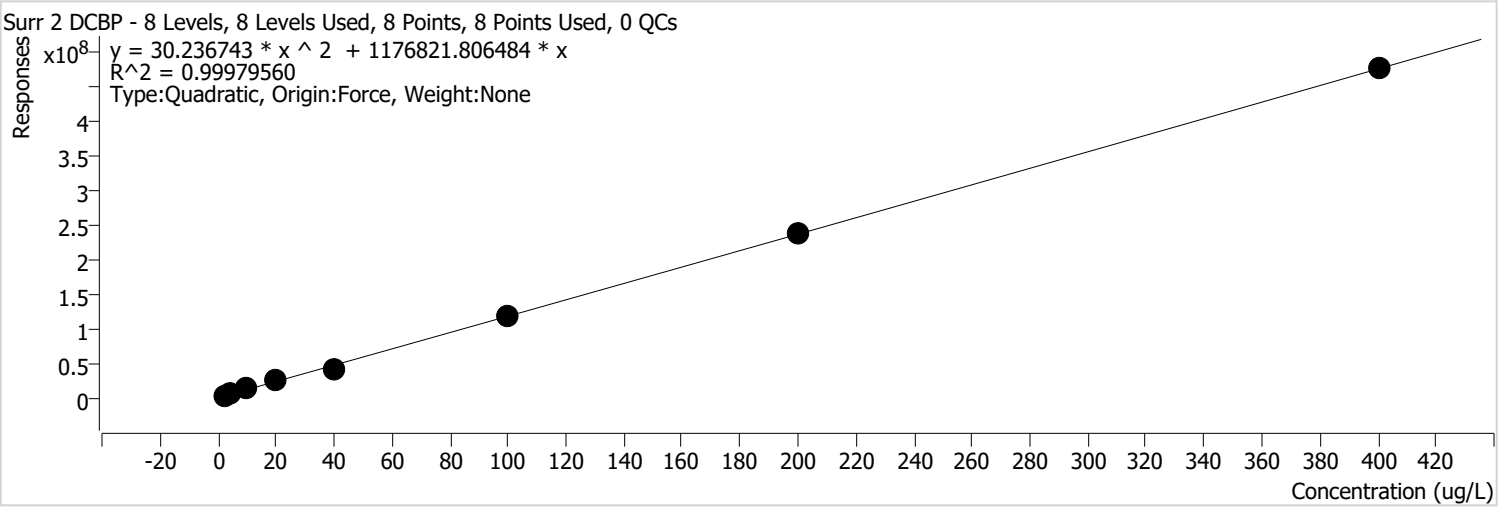
A1260 4 2 %RSE = 10.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	399874	0.0100	39987371.3445	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	817063	0.0200	40853155.1739	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1956455	0.0500	39129099.9081	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	3900081	0.1000	39000814.0881	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	6435840	0.2000	32179198.0000	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	17999271	0.5000	35998541.8783	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	40489618	1.0000	40489617.6979	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	73747447	2.0000	36873723.5210	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 2 DCBP %RSE = 17.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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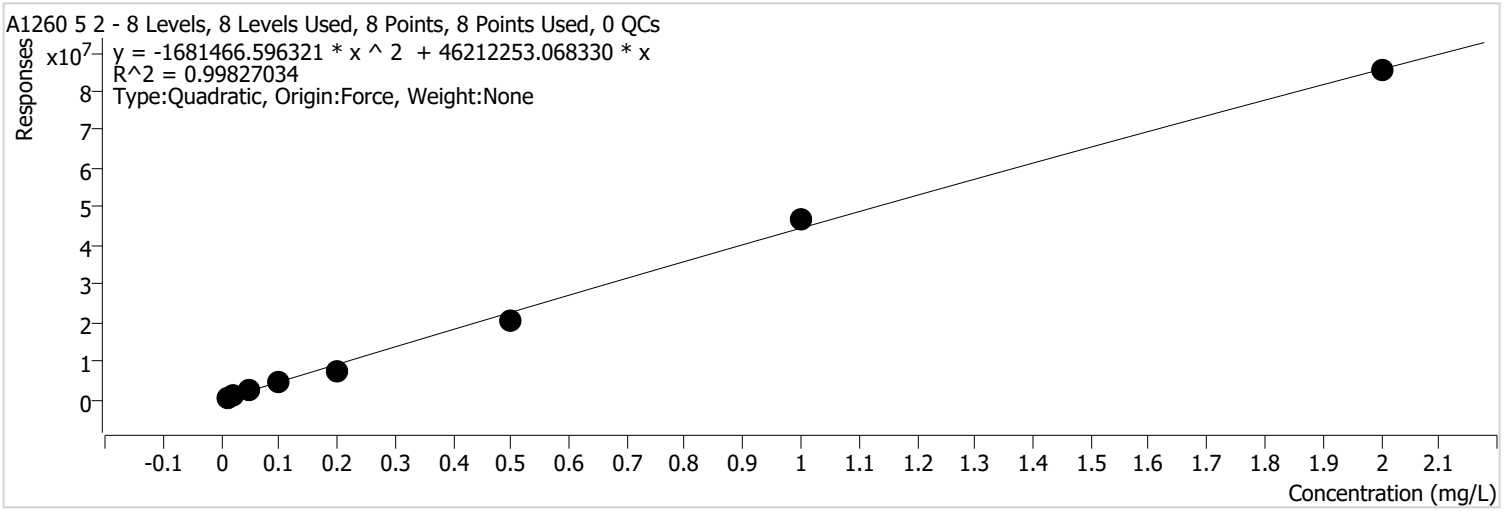
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	13631698	10.0000	1363169.7908	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	26596560	20.0000	1329827.9919	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	42559761	40.0000	1063994.0220	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	119959526	100.0000	1199595.2593	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	235920666	200.0000	1179603.3313	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	475643166	400.0000	1189107.9138	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1260 5 2 %RSE = 9.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	451222	0.0100	45122185.3248	
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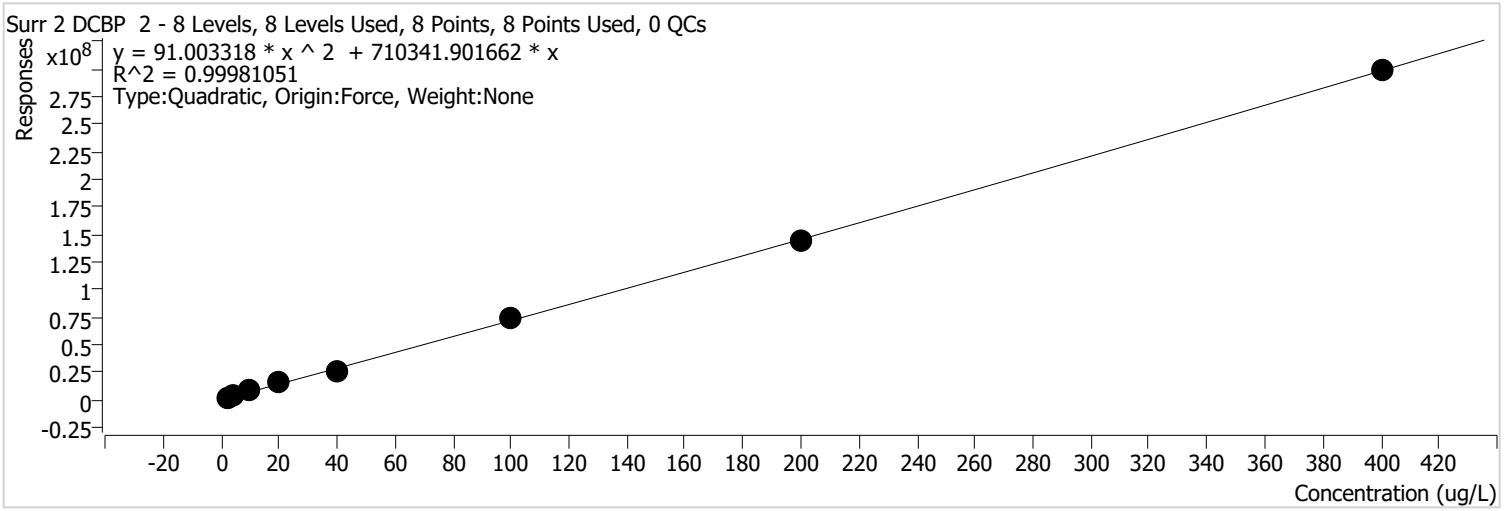
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2281184	0.0500	45623673.9193	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	4526047	0.1000	45260473.1199	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	7518618	0.2000	37593090.3608	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	20721889	0.5000	41443778.3307	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	46616994	1.0000	46616994.0487	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	85316606	2.0000	42658302.9412	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 2 DCBP 2 %RSE = 15.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	8128369	10.0000	812836.8712	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	15858823	20.0000	792941.1733	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	25637587	40.0000	640939.6710	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	73246076	100.0000	732460.7624	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	145351163	200.0000	726755.8147	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	298729745	400.0000	746824.3635	

29 8/30/2021

PCB Calibration

Date: 09/30/29

Analyst: SamBeerman

Hexane: 5931

Cal		ICV	
Aroclor 1660:	25029	Aroclor 1660:	24706
Aroclor 1254:	23466	Aroclor 1254:	24708

Surrogate: 25760

Spike Conc. (ppb)	Surr Conc. (ppb)	2° Spike (uL)	1° Spike (uL)	Surr (uL)	Remove (uL)	Final Vol. (mL)	Comments
10	2	5	--	--	5	1	
20	4	10	--	--	10	1	
50	10	25	--	--	25	1	
100	20	50	--	--	50	1	
200	40	100	--	--	100	1	
500	100	250	--	--	250	1	
1000	200	--	1	10	2 11	1	SM 9/30/21
2000	400	--	2	20	4 22	1	SM 9/30/21
ICB	200	--	--	10	10	1	
ICV (1000 ppb)	200	--	1	10	2 11	1	SM 9/30/21

	1660 (uL)	1254 (uL)	Surr (uL)	Final Volume (mL)
2° Intermediate (1660)	2	--	2	1
2° Intermediate (1254)	--	2	2	1

Signature and Date: 9/30/21

Signature: EM

DATA SET for Review -- Deliverable Requirements

Total Metals by EPA Method 6020B

Fremont Analytical Work Order No. 2109493

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\
Report Date/Time: Friday, October 01, 2021 08:38:48

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	RINSE	09:06:11 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\RIN	
	RINSE	09:11:45 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\RIN	
	RINSE	09:17:19 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\RIN	
	NEW 2%	09:22:53 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\NEV	
	BLANK	09:28:28 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\BLA	
	BLANK	09:36:04 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\BLA	
	CAL BLK IS 23514	09:42:34 Thu 30-S	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CAL	
	Standard 1	09:48:08 Thu 30-S	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
	Standard 2	09:53:42 Thu 30-S	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
	Standard 3	09:59:16 Thu 30-S	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
	Standard 4	10:04:50 Thu 30-S	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
	Standard 5	10:10:24 Thu 30-S	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
	Standard 6	10:15:58 Thu 30-S	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
	Standard 7	10:21:32 Thu 30-S	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
	Standard 8	10:27:06 Thu 30-S	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\Stan	
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	ICB	10:38:15 Thu 30-S	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\ICB.	
	ICV	10:43:49 Thu 30-S	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\ICV.	
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	ICSA	11:14:12 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\ICSA	
	WASH	11:19:47 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\WAS	
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	2109394-010A 10X	12:01:38 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
	2109394-011A 100X	12:07:12 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\093021eh\2109
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2109326-005A	15:25:20 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\210
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2109355-001A 10X	15:36:27 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\210
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CCB	16:11:29 Thu 30-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
CCB	16:17:46 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
MB-33864	16:48:09 Thu 30-S	Sample	C:\Users\Public\DocumMBLK,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\MB-
LCS-33864	16:53:42 Thu 30-S	Sample	C:\Users\Public\DocumLCS,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\LCS
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CCV	17:43:44 Thu 30-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	17:49:19 Thu 30-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
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2109390-008D	18:17:07 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\210
2109405-001C	18:22:40 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\210
2109408-012I	18:28:14 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\210
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CCB	18:56:03 Thu 30-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
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2109397-006H	19:23:51 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _ gistix\ICPMS\DataSet\093021eh\210
2109080-001G	19:29:24 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _ gistix\ICPMS\DataSet\093021eh\210
2109100-001G	19:34:58 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _ gistix\ICPMS\DataSet\093021eh\210
2109408-012J	19:40:31 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _ gistix\ICPMS\DataSet\093021eh\210
2109411-002F	19:46:04 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _ gistix\ICPMS\DataSet\093021eh\210
2109326-002a	19:51:38 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\210
CCV	19:57:12 Thu 30-S	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	20:02:47 Thu 30-S	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109326-003a 1000x	20:08:22 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\210
WASH	20:13:56 Thu 30-S	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\WAS
MB-33875	20:19:31 Thu 30-S	Sample	C:\Users\Public\DocumMBLK,M-6020-S _ gistix\ICPMS\DataSet\093021eh\MB-
LCS-33875	20:25:04 Thu 30-S	Sample	C:\Users\Public\DocumLCS,M-6020-S _ gistix\ICPMS\DataSet\093021eh\LCS

2109389-005A	20:30:37 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-005ADIL	20:36:11 Thu 30-S	Sample	C:\Users\Public\DocumSD,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-005AMS	20:41:44 Thu 30-S	Sample	C:\Users\Public\DocumMS,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-005AMSD	20:47:18 Thu 30-S	Sample	C:\Users\Public\DocumMSD,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-005APDS	20:52:51 Thu 30-S	Sample	C:\Users\Public\DocumPDS,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-001A	20:58:24 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
CCV	21:03:59 Thu 30-SQC	Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	21:09:34 Thu 30-SQC	Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109389-002A	21:15:08 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-003A	21:20:42 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-004A	21:26:15 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-006A	21:31:48 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-007A	21:37:22 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-008A	21:42:55 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-009A	21:48:29 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-010A	21:54:02 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109389-011A	21:59:36 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109493-001A	22:05:09 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
CCV	22:10:44 Thu 30-SQC	Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	22:16:19 Thu 30-SQC	Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109493-002A	22:21:53 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109493-003A	22:27:26 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109493-004A	22:33:00 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109493-005A	22:38:33 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109493-006A	22:44:07 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109493-007A	22:49:40 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2109493-008A	22:55:13 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2109
2107149-014A	23:00:47 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2107
2107149-014A	23:06:20 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\093021eh\2107
2109417-001A	23:11:54 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
CCV	23:17:29 Thu 30-SQC	Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	23:23:04 Thu 30-SQC	Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109419-001D	23:28:38 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109425-001B	23:34:12 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
210429-001A 5X	23:39:45 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2104
2109430-001D	23:45:19 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109431-001A	23:50:52 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109431-002A	23:56:26 Thu 30-S	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109431-006A	00:01:59 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109434-001A	00:07:32 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109436-001B	00:13:06 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109437-001A	00:18:39 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
CCV	00:24:14 Fri 01-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	00:29:49 Fri 01-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109438-001B	00:35:24 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109440-001B	00:40:57 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
WASH	00:46:31 Fri 01-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\WAS
MB-33873	00:52:05 Fri 01-Oc	Sample	C:\Users\Public\DocumMBLK,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\MB-
LCS-33873	00:57:39 Fri 01-Oc	Sample	C:\Users\Public\DocumLCS,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\LCS
2109444-002A	01:03:12 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109444-002ADUP	01:08:46 Fri 01-Oc	Sample	C:\Users\Public\DocumDUP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109444-002AMS	01:14:19 Fri 01-Oc	Sample	C:\Users\Public\DocumMS,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109444-002AMSD	01:19:53 Fri 01-Oc	Sample	C:\Users\Public\DocumMSD,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109443-001A	01:25:26 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
CCV	01:31:01 Fri 01-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	01:36:36 Fri 01-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109443-002A	01:42:10 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109444-001A	01:47:44 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109447-001A	01:53:17 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109448-001B 5X	01:58:50 Fri 01-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109

2109448-002B 5X	02:04:24 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109449-001B	02:09:57 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109450-001A	02:15:30 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109451-001A	02:21:04 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109452-001A	02:26:37 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109452-002A	02:32:11 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
CCV	02:37:46 Fri 01-OcQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	02:43:20 Fri 01-OcQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2109452-003A	02:48:55 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109453-001F	02:54:28 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109453-002F	03:00:01 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109454-001A	03:05:35 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109458-001A	03:11:08 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109459-001A	03:16:41 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
2109460-001A	03:22:15 Fri 01-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\093021eh\2109
LDR	03:27:49 Fri 01-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\LDR
CCV	03:33:24 Fri 01-OcQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCV
CCB	03:38:59 Fri 01-OcQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\CCB
2%	03:44:33 Fri 01-OcQC Std #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\2%.1
DI	03:50:08 Fri 01-OcQC Std #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\093021eh\DI.1

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\101121eh\
Report Date/Time: Tuesday, October 12, 2021 07:59:11

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	WASH	08:53:54 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	WASH	08:59:28 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	NEW 2%	09:05:02 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	DI	09:10:36 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	DI	09:16:11 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	DI	09:21:45 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	CAL BLK IS 23514	09:30:39 Mon 11-C	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 1	09:36:13 Mon 11-C	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 2	09:41:47 Mon 11-C	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 3	09:47:21 Mon 11-C	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 4	09:52:55 Mon 11-C	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 5	09:58:29 Mon 11-C	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 6	10:04:03 Mon 11-C	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 7	10:09:37 Mon 11-C	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 8	10:15:11 Mon 11-C	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	WASH	10:20:46 Mon 11-C	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	ICB	10:26:20 Mon 11-C	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	ICV	10:31:54 Mon 11-C	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	WASH	10:37:27 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	ICSA	10:49:55 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	LDR	10:55:30 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	WASH	11:01:05 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	WASH	11:06:39 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	2109322-004A 50X	11:17:59 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10112
	2110056-001A	11:23:33 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10112
	2110056-002A	11:29:08 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-005A	11:34:43 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-006A	11:40:17 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-007A	11:45:52 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-008A	11:51:26 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-009A	11:57:01 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-010A	12:02:36 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-011A	12:08:10 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	CCV	12:13:45 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	CCB	12:19:19 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	2110067-003A 100X	12:26:44 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2110054-002A 100X	12:32:18 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	LCS-33816	12:37:59 Mon 11-C	Sample	C:\Users\Public\DocumLCS,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109343-001A	12:43:32 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109343-002A	12:49:06 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109343-003A	12:54:40 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109343-004A	13:00:14 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109343-005A	13:05:48 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109411-002F	13:11:23 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10112
	2109390-008E	13:16:58 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10112
	2109397-006H	13:22:32 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10112
	2109408-012J	13:28:06 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10112
	CCV	13:33:41 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	CCB	13:39:15 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	MB-33961	13:53:13 Mon 11-C	Sample	C:\Users\Public\DocumMBLK,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10112

LCS-33961	13:58:47 Mon 11-C	Sample	C:\Users\Public\DocumLCS,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-002D	14:04:21 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-002DDUP	14:09:56 Mon 11-C	Sample	C:\Users\Public\DocumDUP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-002DMS	14:15:30 Mon 11-C	Sample	C:\Users\Public\DocumMS,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-002DMSD	14:21:05 Mon 11-C	Sample	C:\Users\Public\DocumMSD,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110057-001A	14:26:39 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109389-005A	14:32:14 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109389-001A	14:37:48 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109389-011A 50X	14:43:22 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
CCV	14:48:57 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	14:54:31 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
MB-33910	15:00:55 Mon 11-C	Sample	C:\Users\Public\DocumMBLK,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
LCS-33910	15:06:29 Mon 11-C	Sample	C:\Users\Public\DocumLCS,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109532-001A	15:12:03 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109532-001ADUP	15:17:37 Mon 11-C	Sample	C:\Users\Public\DocumDUP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109532-001AMS	15:23:12 Mon 11-C	Sample	C:\Users\Public\DocumMS,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109532-001AMSD	15:28:46 Mon 11-C	Sample	C:\Users\Public\DocumMSD,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109289-001A	15:34:20 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109408-012I	15:39:55 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109411-002E	15:45:29 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109425-001B 5X	15:51:03 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
CCV	15:56:38 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	16:02:13 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CAL BLK IS 23514	16:10:03 Mon 11-C	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
ICB	16:15:38 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
LCS-33961	16:47:54 Mon 11-C	Sample	C:\Users\Public\DocumLCS,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109419-001D 10X	16:53:29 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-003D	16:59:04 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109480-001C	17:04:38 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-004D	17:10:13 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110021-001A	17:15:47 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110021-002A	17:21:21 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110021-003A	17:26:55 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110021-004A	17:32:29 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110021-005A	17:38:03 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
CCV	17:43:38 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	17:49:12 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2110021-006A	17:54:47 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110029-001A	18:00:21 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110040-001A	18:05:55 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110040-006A	18:11:28 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110044-001B	18:17:03 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110048-001A	18:22:37 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110059-001A	18:28:11 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110059-002A	18:33:45 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110064-001A	18:39:19 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110064-002A	18:44:53 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
CCV	18:50:28 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	18:56:02 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2109455-001B	19:01:36 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109489-001A	19:07:11 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109494-001A	19:12:45 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109497-001A	19:18:19 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109497-002A	19:23:53 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109497-003A	19:29:27 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109497-004A	19:35:01 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109499-005A	19:40:35 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109503-001A	19:46:09 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109504-001A	19:51:42 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
CCV	19:57:18 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112

CCB	20:02:52 Mon 11-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2109510-001C	20:08:27 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109510-002C	20:14:01 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109518-002A	20:19:35 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109518-003A	20:25:09 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109521-001A	20:30:43 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109527-001B	20:36:17 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109528-001A	20:41:51 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109528-002A	20:47:25 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109376-045A	20:53:00 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-047A	20:58:35 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
CCV	21:04:10 Mon 11-CQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	21:09:44 Mon 11-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2109409-001A	21:15:19 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109409-002A	21:20:53 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109416-001A	21:26:28 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109416-002A	21:32:03 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
LCS-33897	21:37:37 Mon 11-CSample	C:\Users\Public\DocumLCS,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
WASH	21:43:12 Mon 11-CSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
MB-33874	21:48:47 Mon 11-CSample	C:\Users\Public\DocumMBLK,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
LCS-33874	21:54:21 Mon 11-CSample	C:\Users\Public\DocumLCS,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-041A	21:59:55 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-041ADIL	22:05:29 Mon 11-CSample	C:\Users\Public\DocumSD,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
CCV	22:11:04 Mon 11-CQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	22:16:39 Mon 11-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2109376-005A	22:22:14 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-007A	22:27:48 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-011A	22:33:22 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-013A	22:38:56 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-017A	22:44:30 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-019A	22:50:04 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-021A	22:55:38 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-023A	23:01:13 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-025A	23:06:47 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
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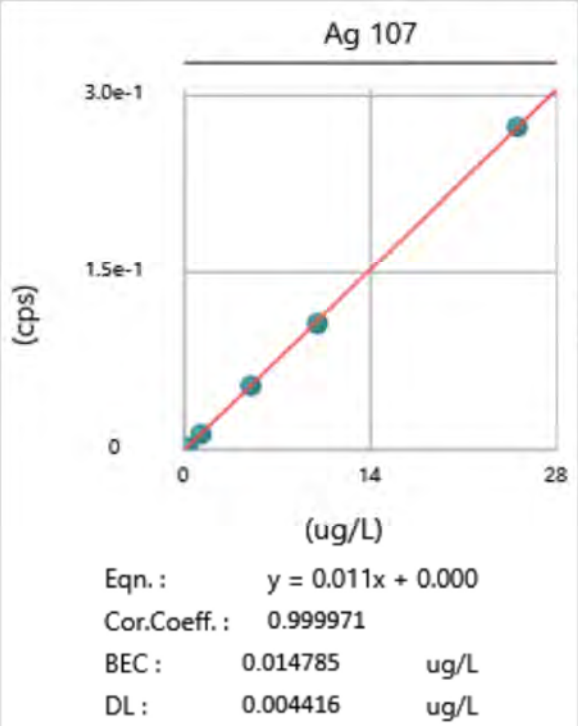
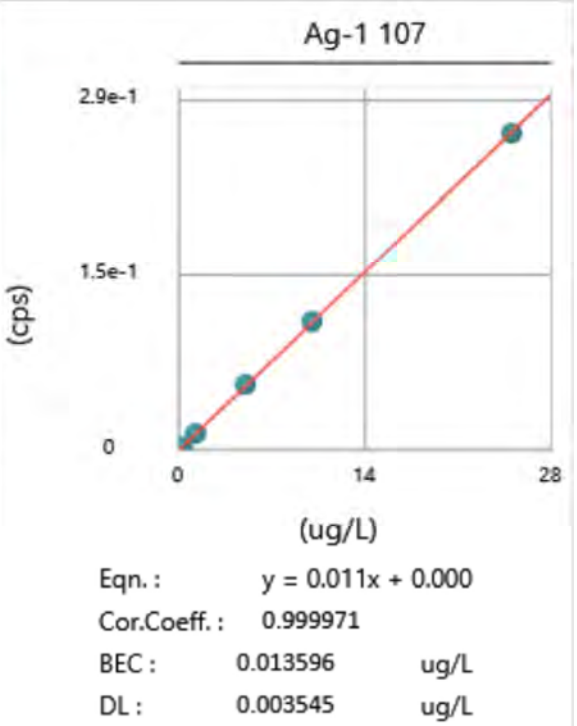
CCV	23:17:56 Mon 11-CQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	23:23:31 Mon 11-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2109376-029A	23:29:06 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-031A	23:34:40 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-033A	23:40:14 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-035A	23:45:48 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-037A	23:51:22 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-039A	23:56:56 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-043A	00:02:30 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
LCS-33963	00:08:04 Tue 12-OSample	C:\Users\Public\DocumLCS,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-013A	00:13:38 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-013ADIL	00:19:12 Tue 12-OSample	C:\Users\Public\DocumSD,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
CCV	00:24:47 Tue 12-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	00:30:22 Tue 12-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2110067-011A	00:35:56 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-012A	00:41:30 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-014A	00:47:05 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-015A	00:52:39 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-016A	00:58:13 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-017A	01:03:47 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-018A	01:09:21 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-019A	01:14:55 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-020A	01:20:29 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-021A	01:26:03 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
CCV	01:31:38 Tue 12-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112

CCB	01:37:12 Tue 12-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2110020-006A	01:42:47 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-007A	01:48:21 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-008A	01:53:55 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-009A	01:59:30 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-010A	02:05:03 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-011A	02:10:38 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-012A	02:16:11 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-013A	02:21:46 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-014A	02:27:20 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
CCV	02:32:54 Tue 12-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	02:38:29 Tue 12-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2%	02:44:03 Tue 12-OQC Std #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
DI	02:49:38 Tue 12-OQC Std #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112

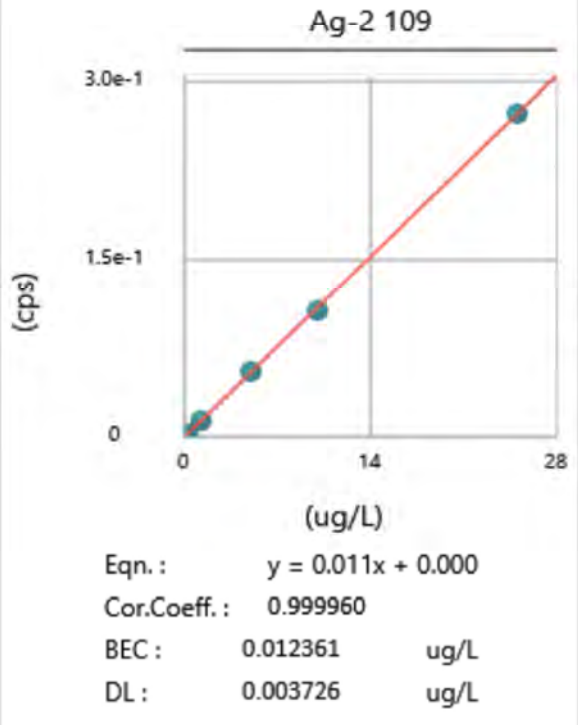
Calibration



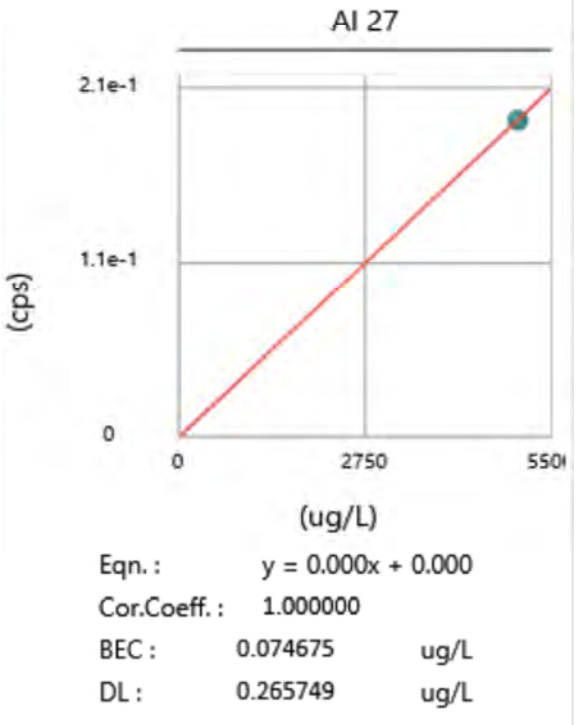
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999971
BEC : 0.014785 ug/L
DL : 0.004416 ug/L



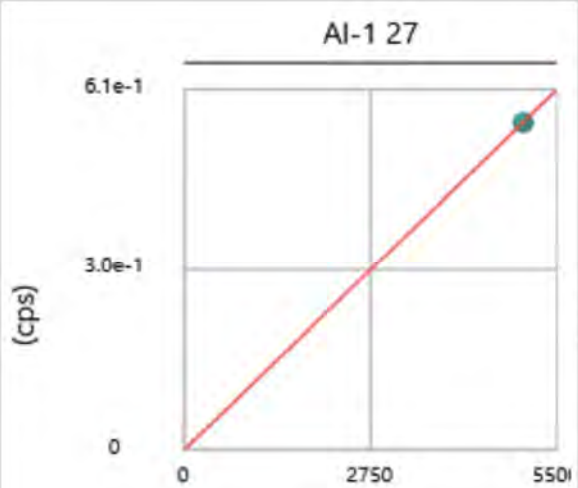
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999971
BEC : 0.013596 ug/L
DL : 0.003545 ug/L



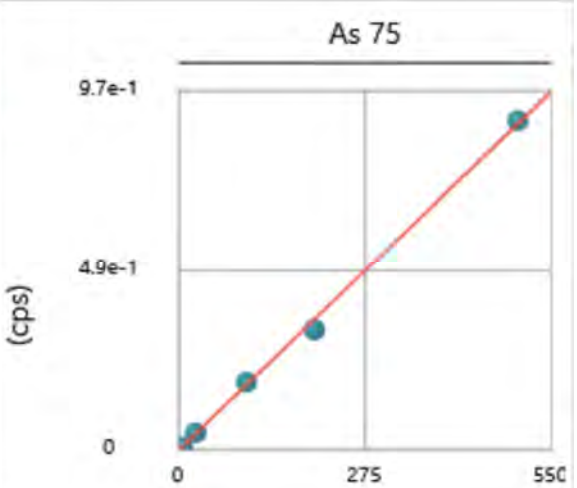
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999960
BEC : 0.012361 ug/L
DL : 0.003726 ug/L



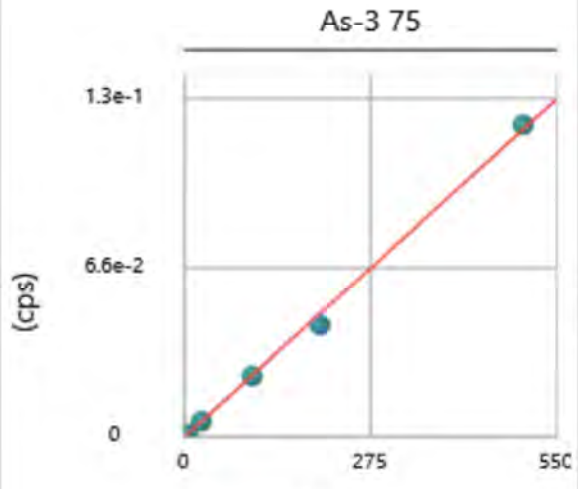
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.074675 ug/L
DL : 0.265749 ug/L



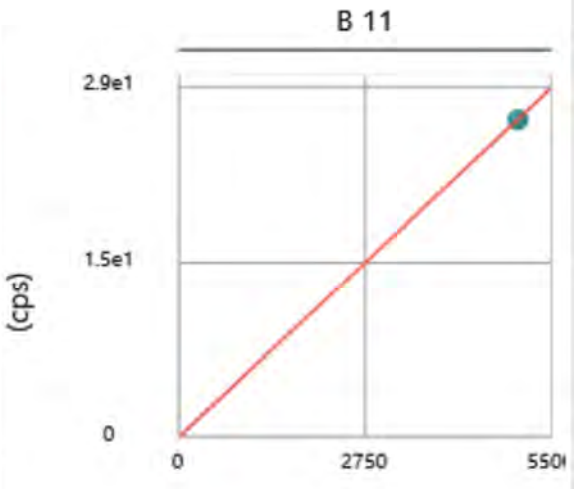
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.062486 mg/L
DL : 0.324687 mg/L



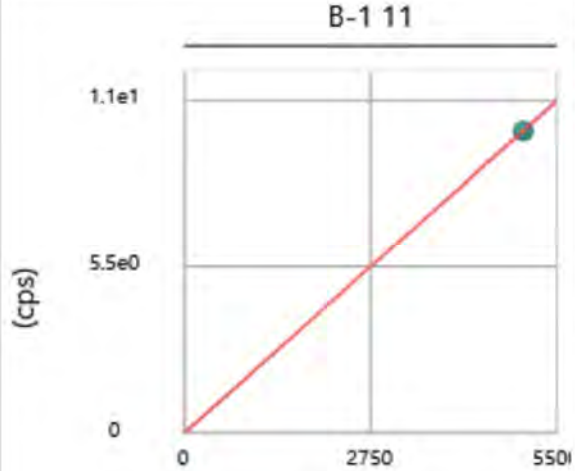
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999512
BEC : -0.363072 ug/L
DL : 0.911056 ug/L



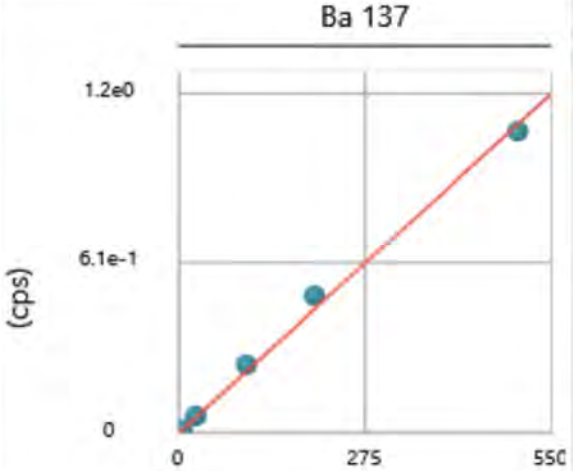
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999341
BEC : 0.069842 ug/L
DL : 0.072775 ug/L



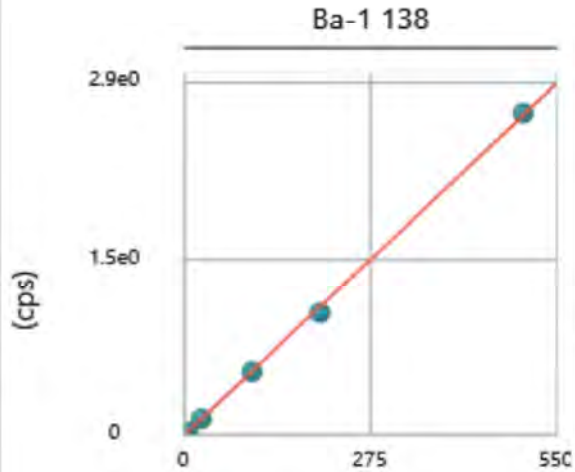
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.110778 ug/L
DL : 0.053154 ug/L



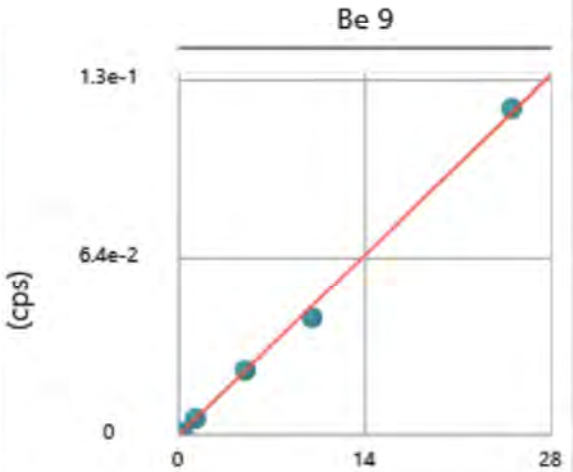
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.115052 ug/L
DL : 0.344068 ug/L



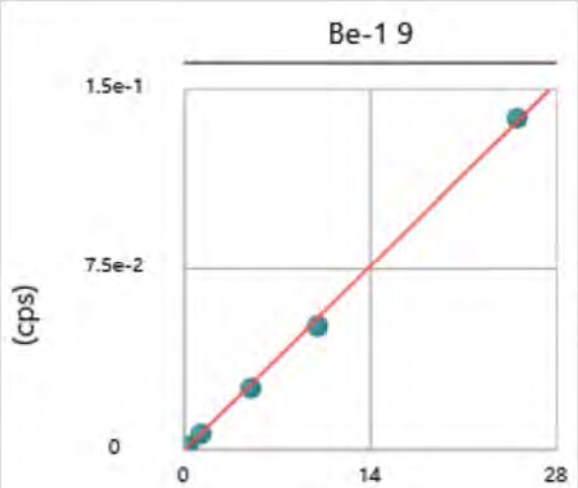
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.998811
BEC : 0.028014 ug/L
DL : 0.007913 ug/L



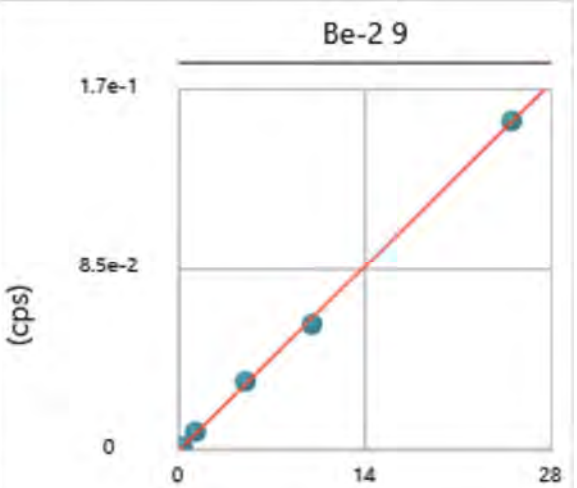
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999840
BEC : 0.022452 mg/L
DL : 0.032388 mg/L



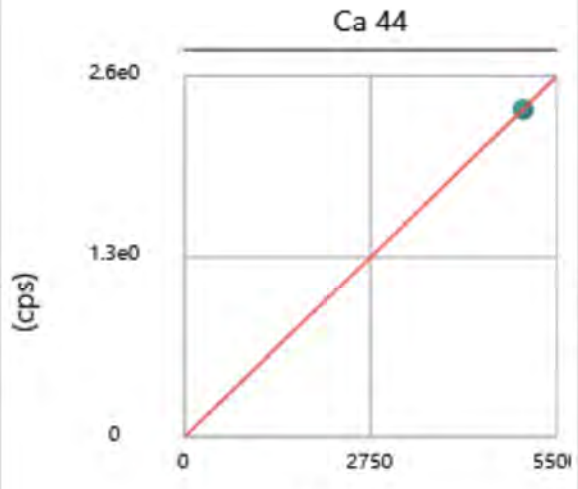
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999355
BEC : 0.000255 ug/L
DL : 0.000252 ug/L



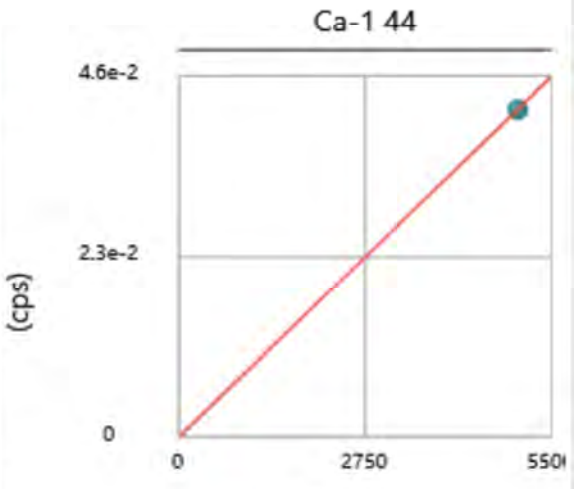
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999674
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



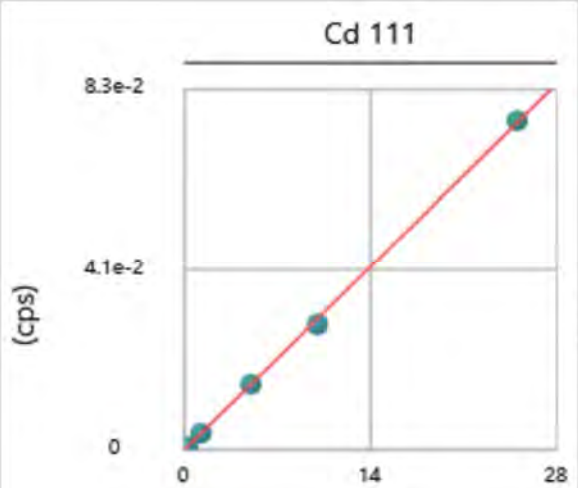
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999821
BEC : 0.000267 ug/L
DL : 0.000296 ug/L



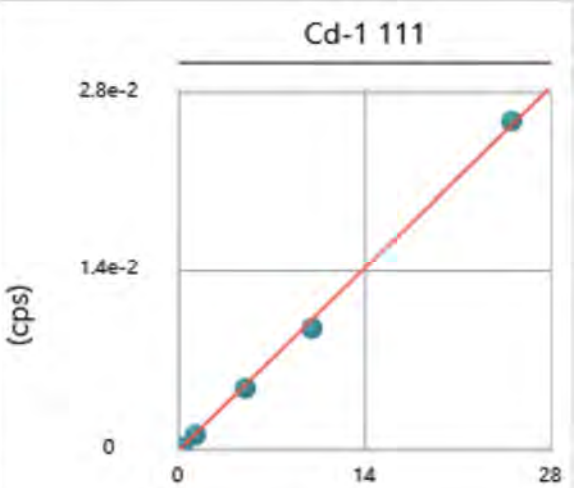
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 27.120958 ug/L
DL : 4.551966 ug/L



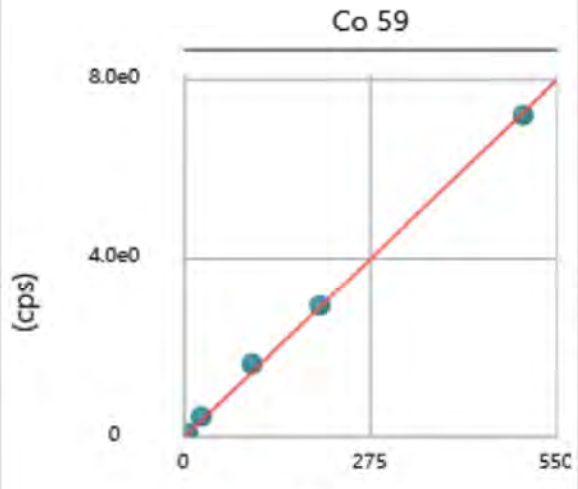
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 2.807984 mg/L
DL : 1.321043 mg/L



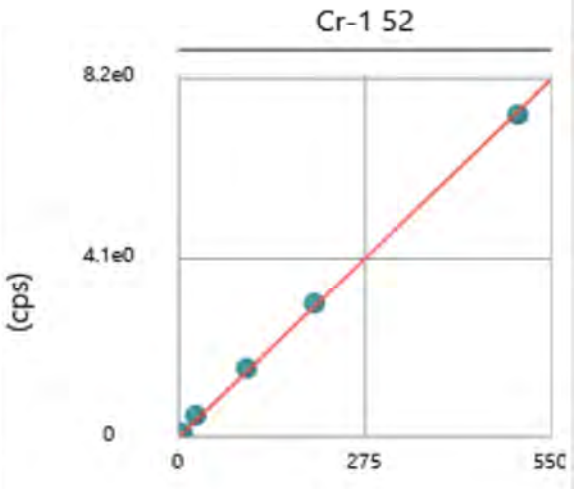
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999868
BEC : 0.001845 ug/L
DL : 0.002840 ug/L



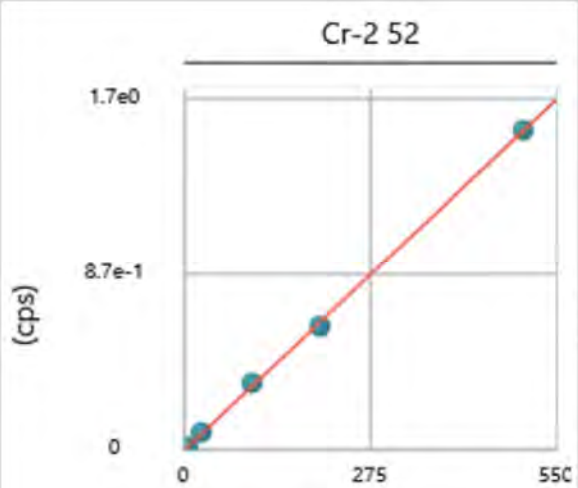
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999619
BEC : 0.020924 mg/L
DL : 0.024460 mg/L



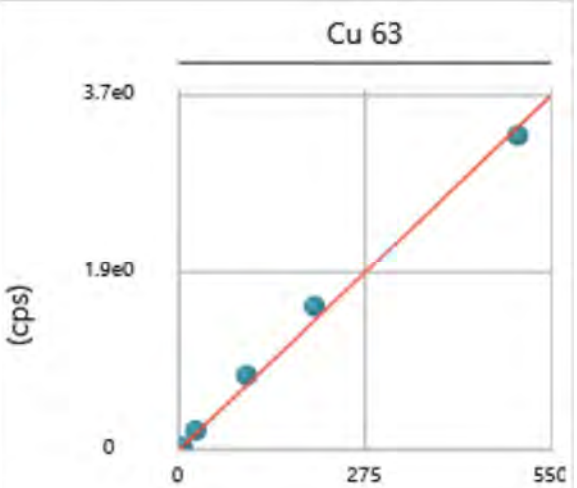
Eqn. : y = 0.015x + 0.000
Cor.Coeff. : 0.999611
BEC : 0.004052 ug/L
DL : 0.001828 ug/L



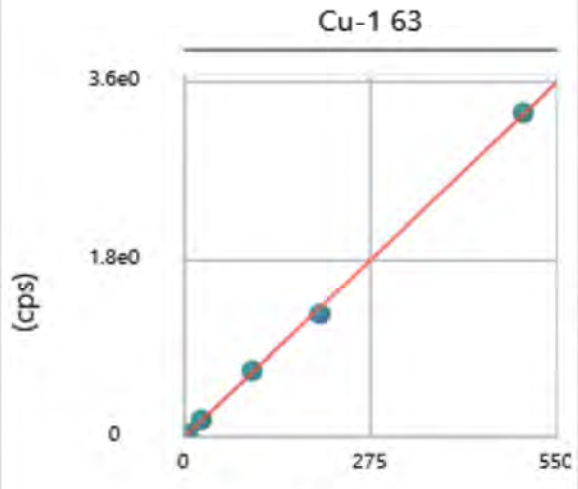
Eqn. : y = 0.015x + 0.000
Cor.Coeff. : 0.999738
BEC : 1.776430 ug/L
DL : 0.108455 ug/L



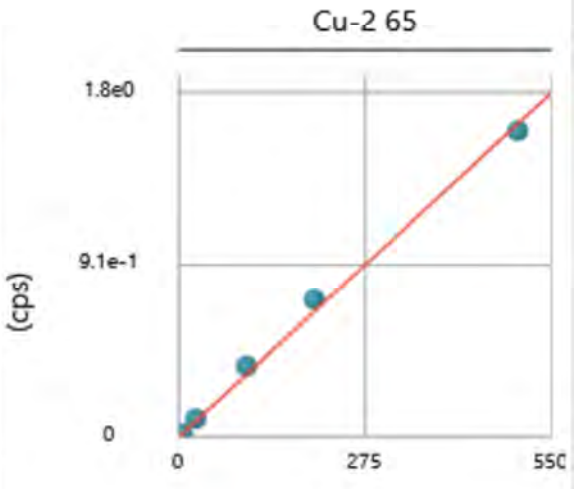
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999874
BEC : 0.038691 ug/L
DL : 0.016486 ug/L



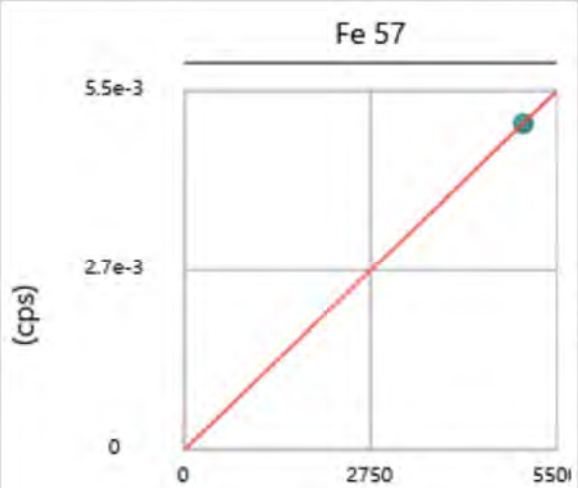
Eqn. : y = 0.007x + 0.000
Cor.Coeff. : 0.998453
BEC : 0.511305 ug/L
DL : 0.062499 ug/L



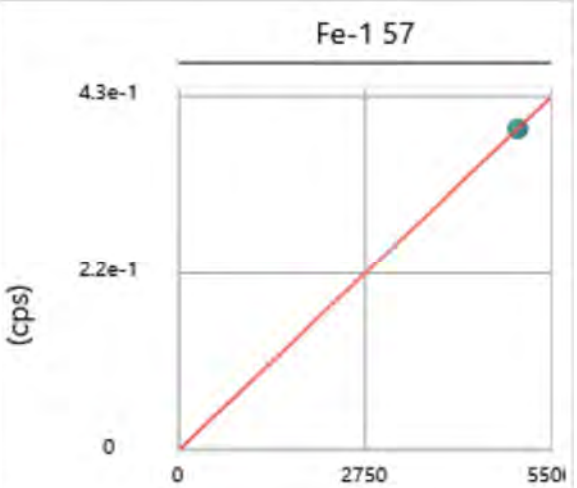
Eqn. : y = 0.007x + 0.000
Cor.Coeff. : 0.999808
BEC : 0.019678 ug/L
DL : 0.008919 ug/L



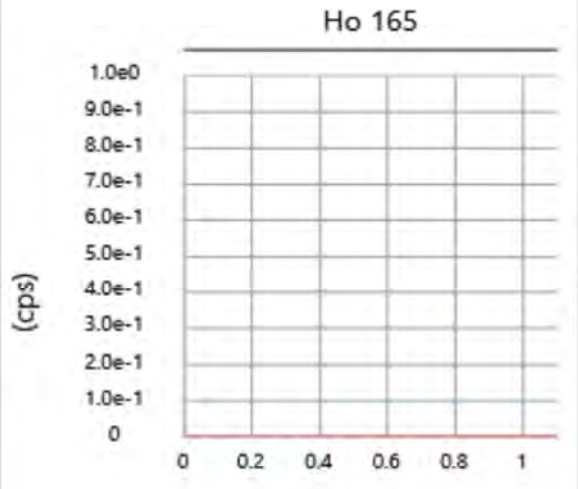
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.998868
BEC : 0.029592 ug/L
DL : 0.018415 ug/L



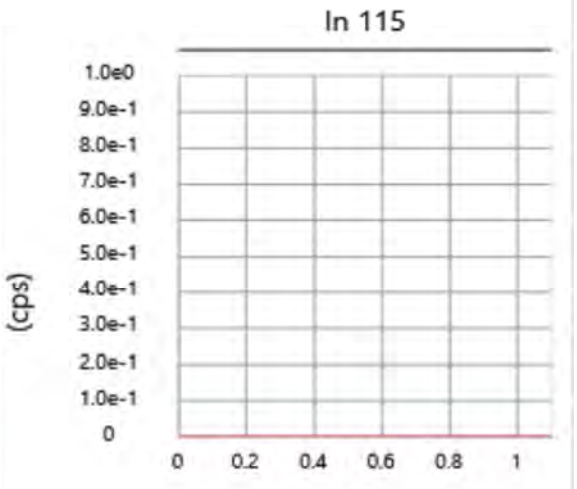
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 33.062605 ug/L
DL : 12.787947 ug/L



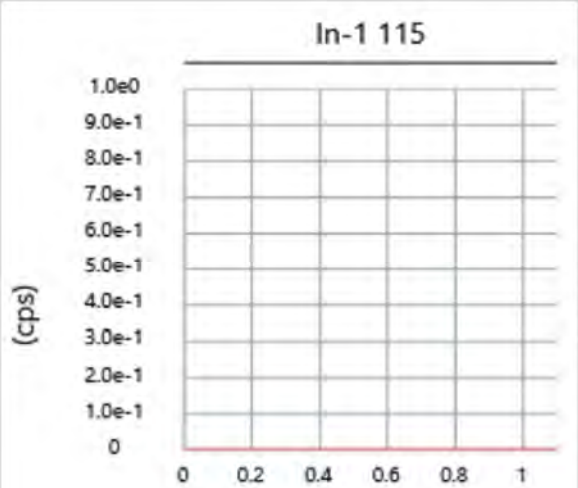
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.401950 ug/L
DL : 0.686558 ug/L



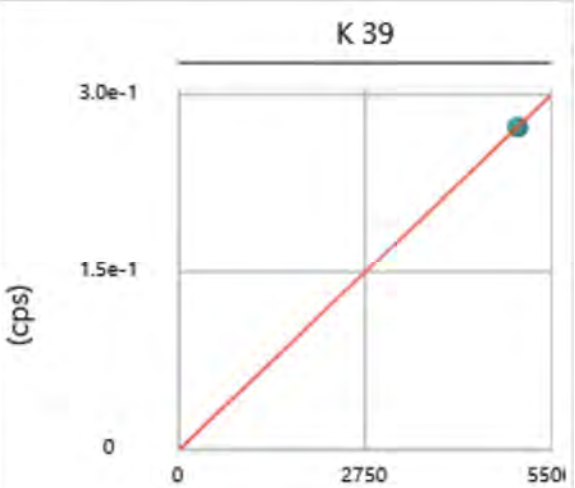
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



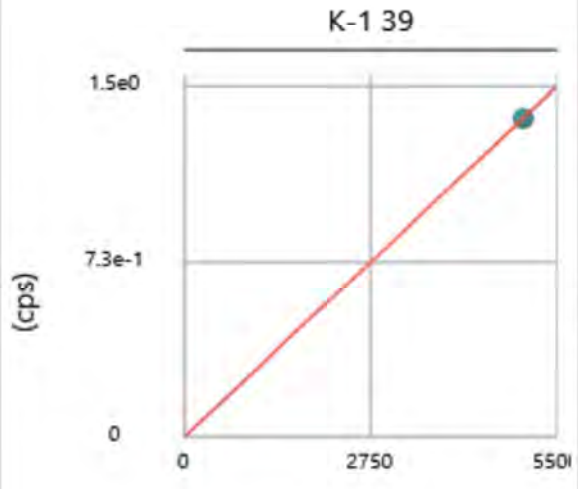
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



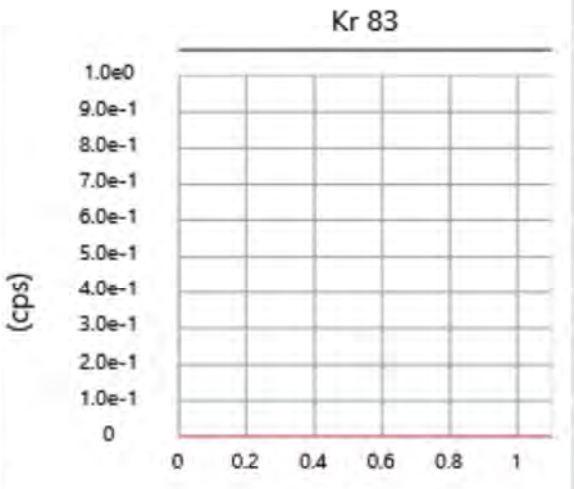
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



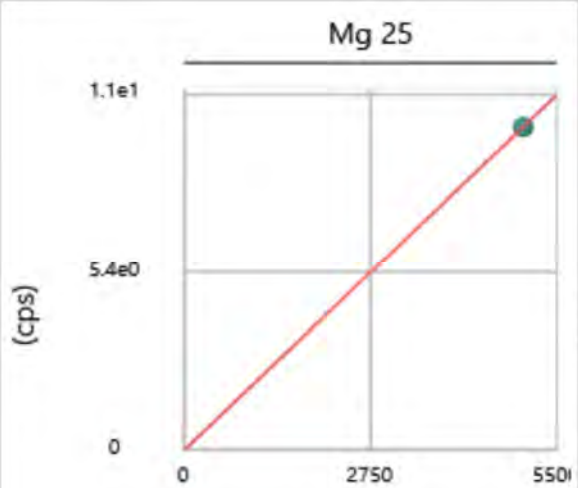
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 47.599735 ug/L
DL : 13.144157 ug/L



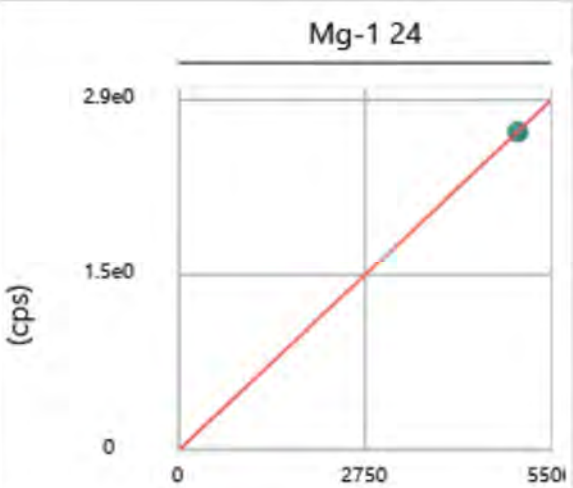
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 69.560837 mg/L
DL : 3.411665 mg/L



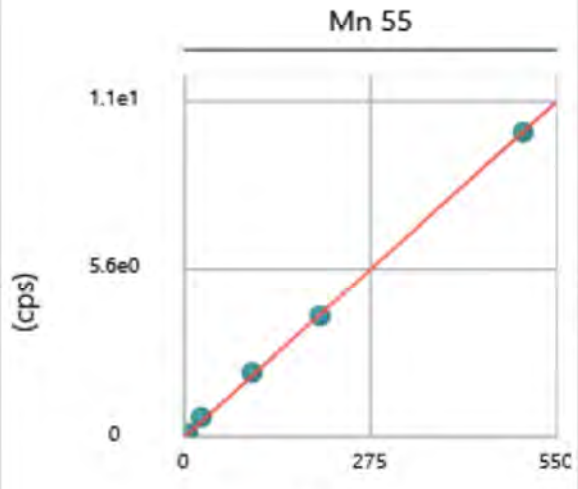
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



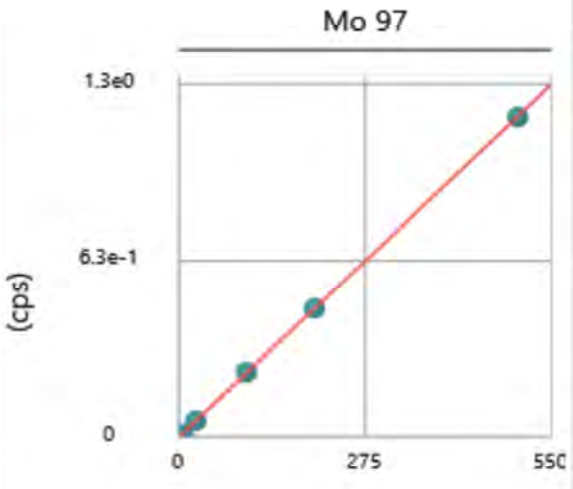
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.067278 ug/L
DL : 0.039179 ug/L



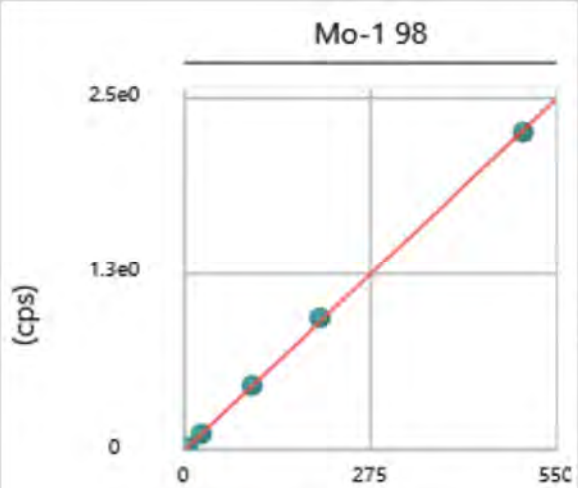
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.053627 mg/L
DL : 0.094236 mg/L



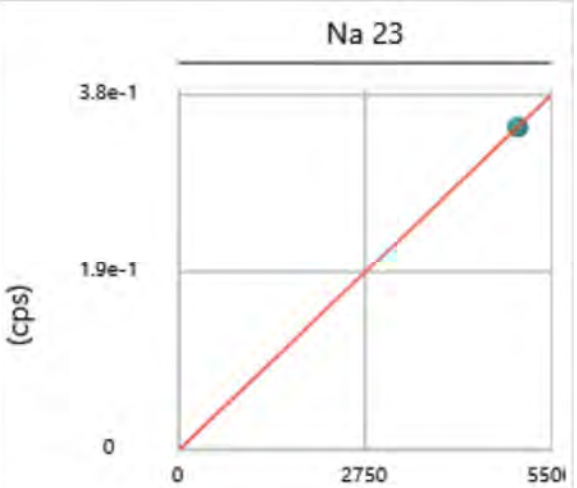
Eqn. : y = 0.020x + 0.000
Cor.Coeff. : 0.999834
BEC : 0.067438 ug/L
DL : 0.025404 ug/L



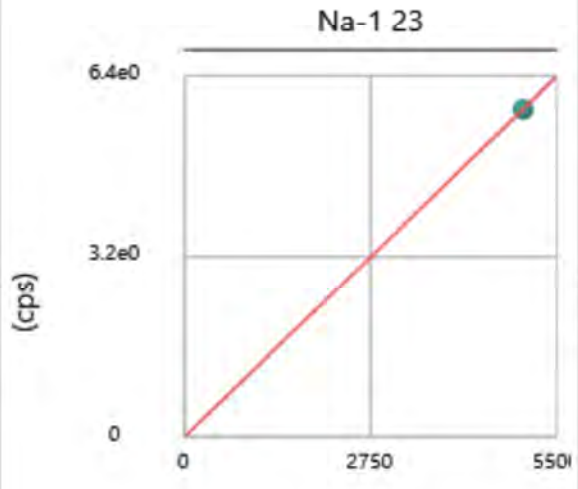
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999995
BEC : 0.038559 ug/L
DL : 0.014188 ug/L



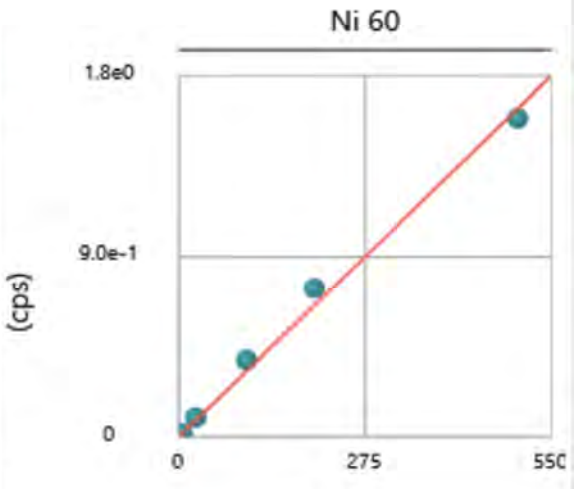
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999921
BEC : 0.016692 ug/L
DL : 0.017539 ug/L



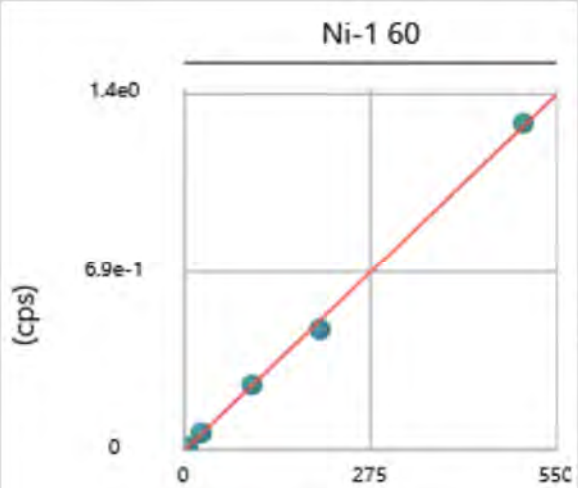
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 9.113294 ug/L
DL : 1.286223 ug/L



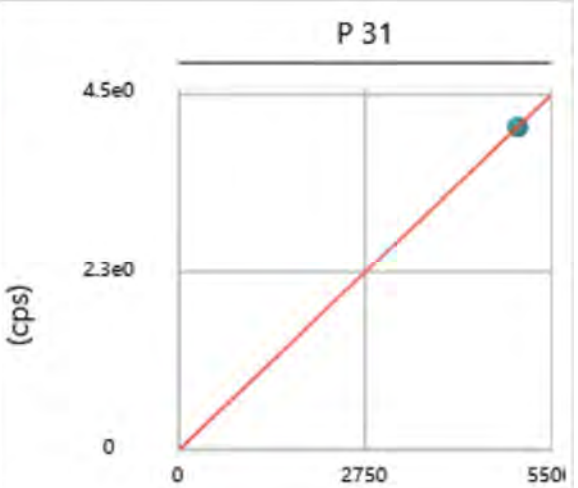
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 5.089298 mg/L
DL : 0.621714 mg/L



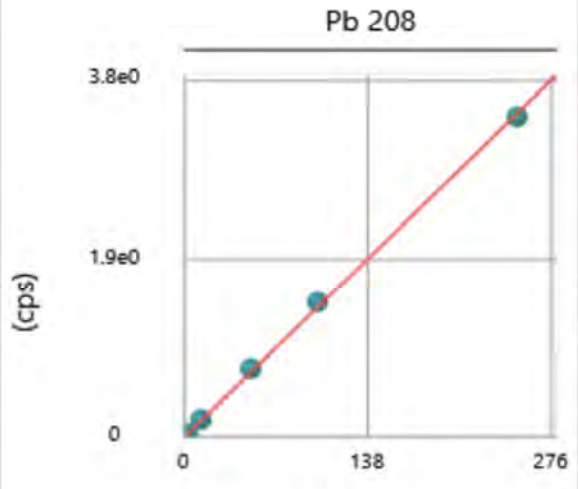
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.997932
BEC : 0.033307 ug/L
DL : 0.017926 ug/L



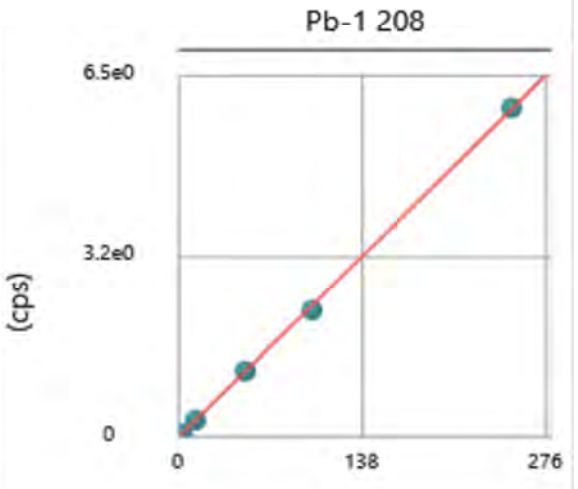
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999650
BEC : 0.029999 ug/L
DL : 0.035896 ug/L



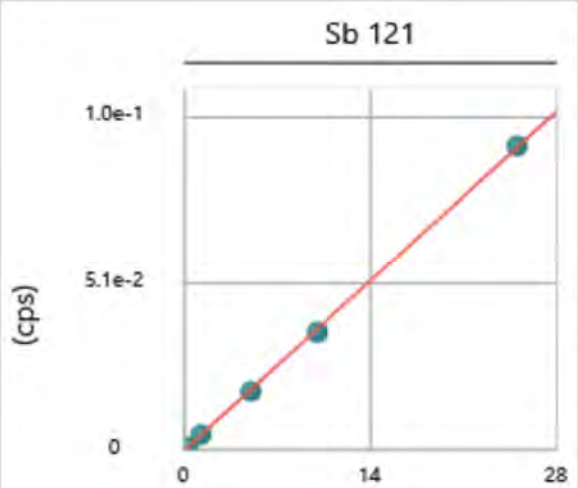
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 28.361637 ug/L
DL : 7.087409 ug/L



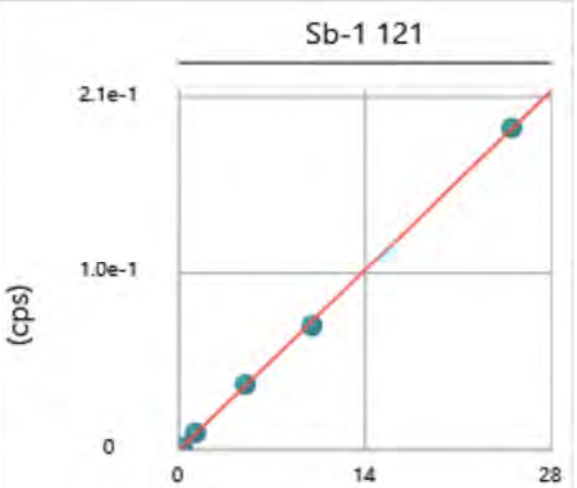
Eqn. : y = 0.014x + 0.000
Cor.Coeff. : 0.999765
BEC : 0.010727 ug/L
DL : 0.002495 ug/L



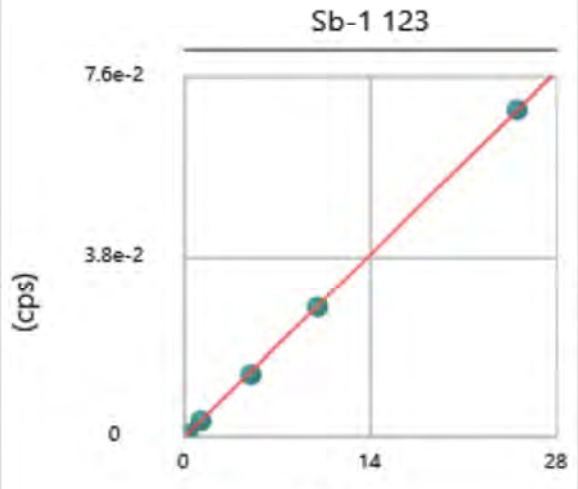
Eqn. : y = 0.024x + 0.000
Cor.Coeff. : 0.999909
BEC : 0.013191 ug/L
DL : 0.001780 ug/L



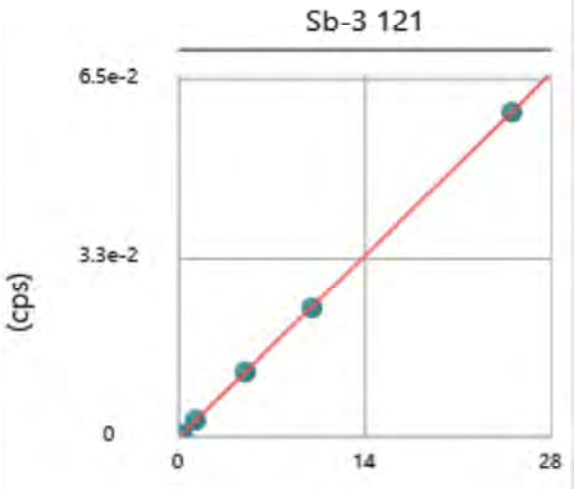
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999920
BEC : 0.011724 ug/L
DL : 0.002461 ug/L



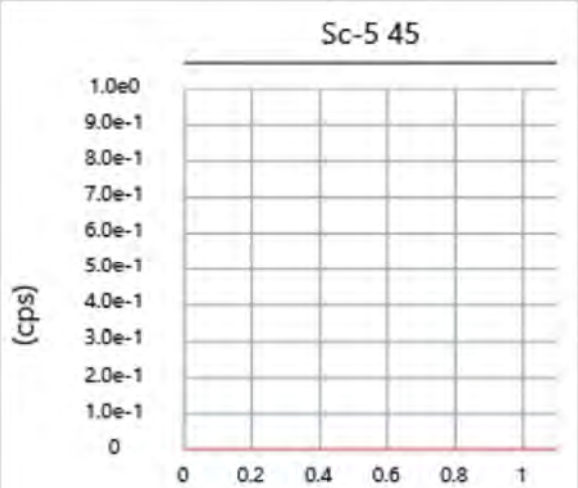
Eqn. : y = 0.007x + 0.000
Cor.Coeff. : 0.999908
BEC : 0.011434 ug/L
DL : 0.002028 ug/L



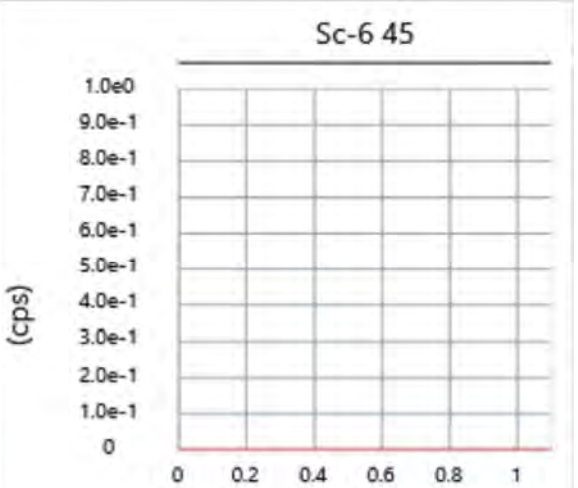
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999960
BEC : 0.011776 ug/L
DL : 0.006125 ug/L



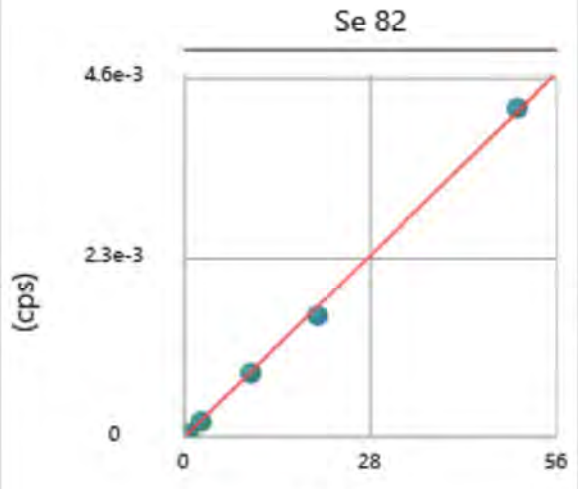
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999992
BEC : 0.013395 ug/L
DL : 0.000942 ug/L



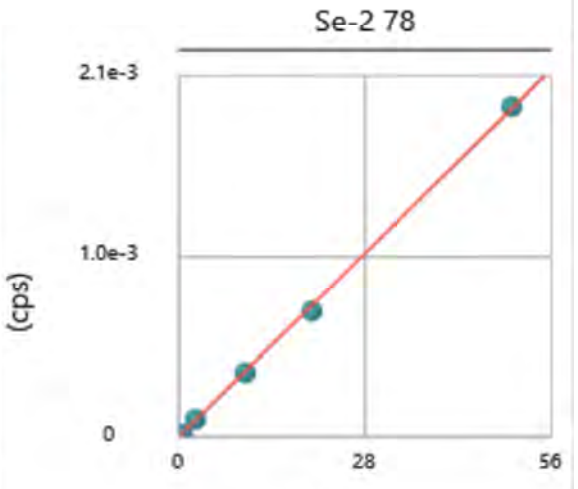
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



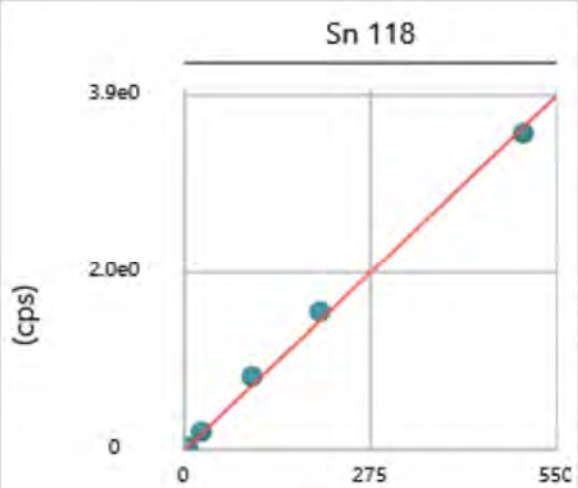
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN mg/L
DL : NaN mg/L



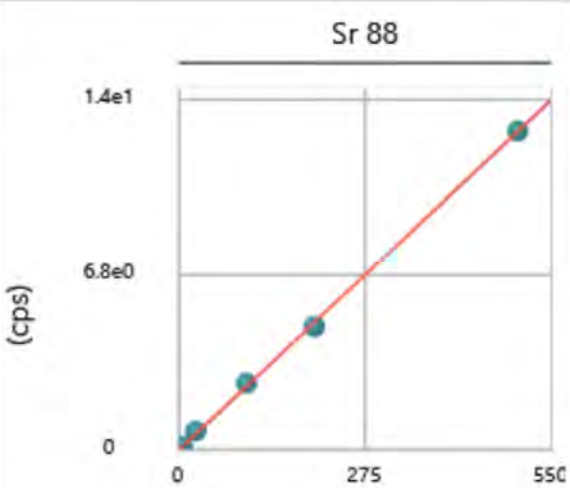
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999620
BEC : -0.787763 ug/L
DL : 0.103666 ug/L



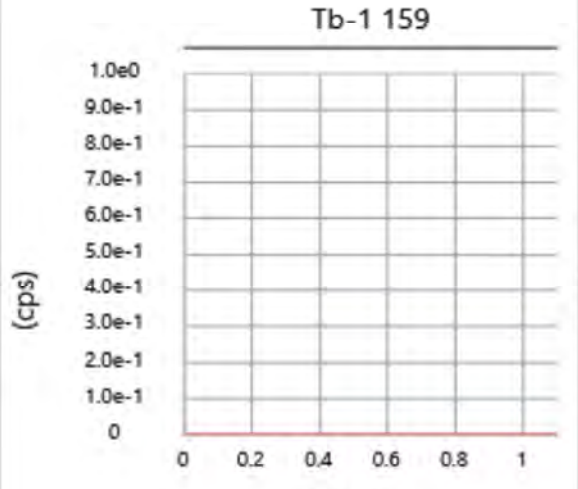
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999837
BEC : 0.856191 ug/L
DL : 0.104810 ug/L



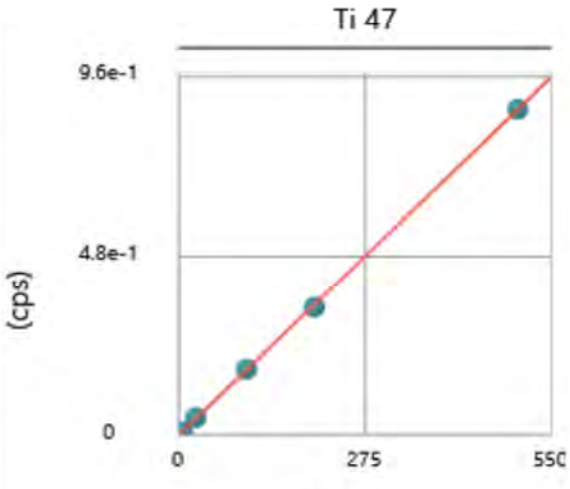
Eqn. : y = 0.007x + 0.000
Cor.Coeff. : 0.999192
BEC : 0.183005 ug/L
DL : 0.029779 ug/L



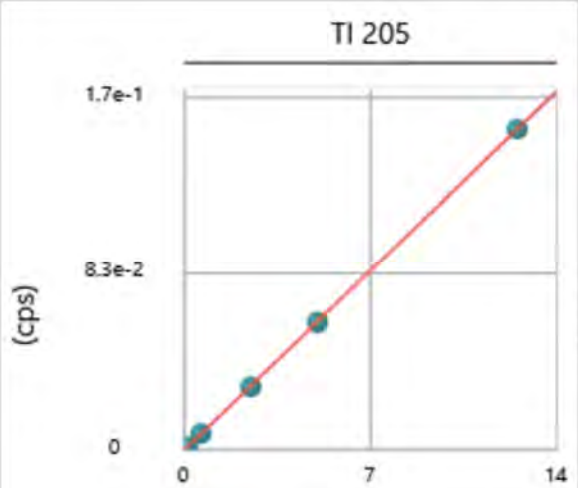
Eqn. : y = 0.025x + 0.000
Cor.Coeff. : 0.999841
BEC : 0.003622 ug/L
DL : 0.001447 ug/L



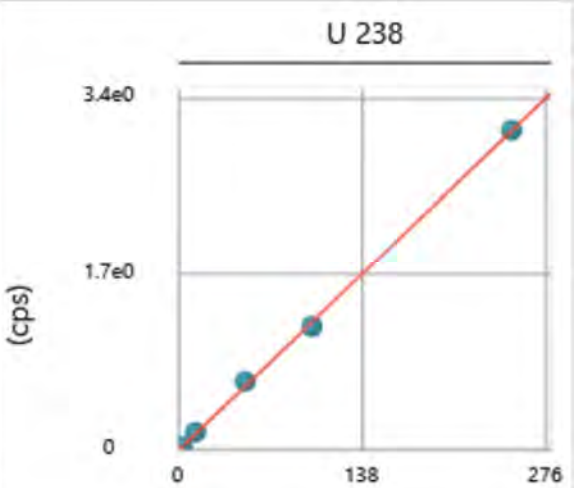
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



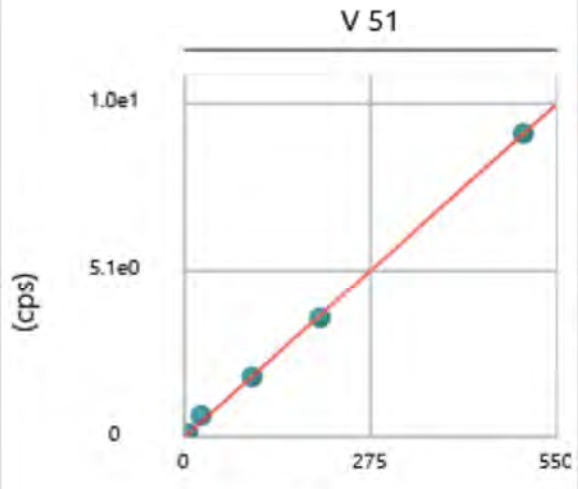
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999966
BEC : 0.068382 ug/L
DL : 0.013966 ug/L



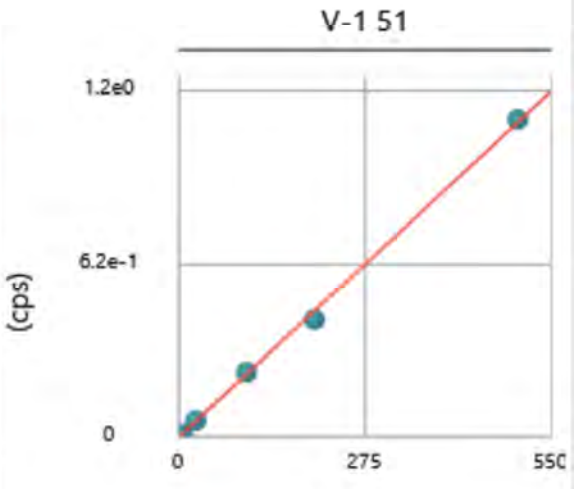
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999994
BEC : 0.000839 ug/L
DL : 0.000725 ug/L



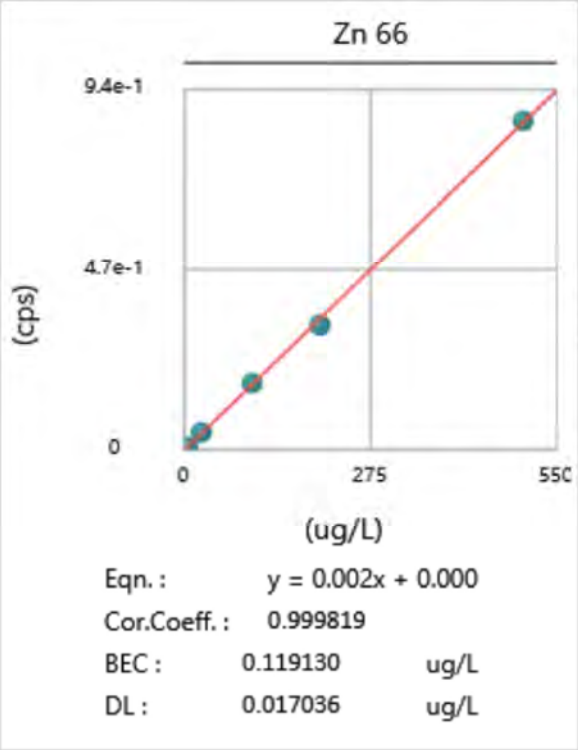
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999815
BEC : 0.000080 ug/L
DL : 0.000209 ug/L

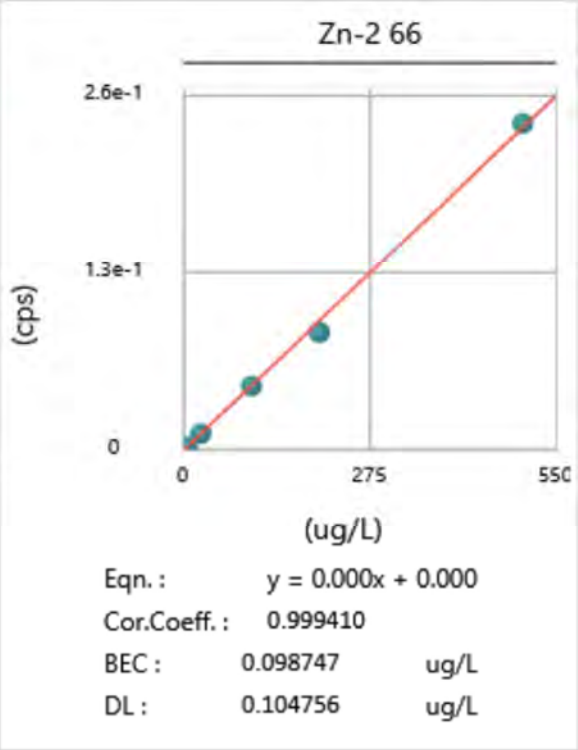


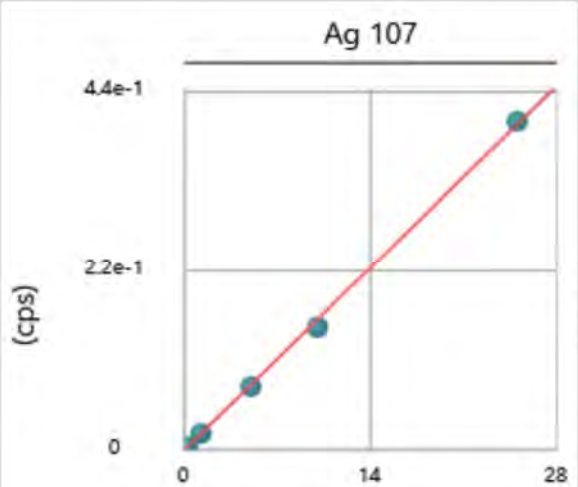
Eqn. : y = 0.018x + 0.000
Cor.Coeff. : 0.999763
BEC : 24.877591 ug/L
DL : 0.588855 ug/L



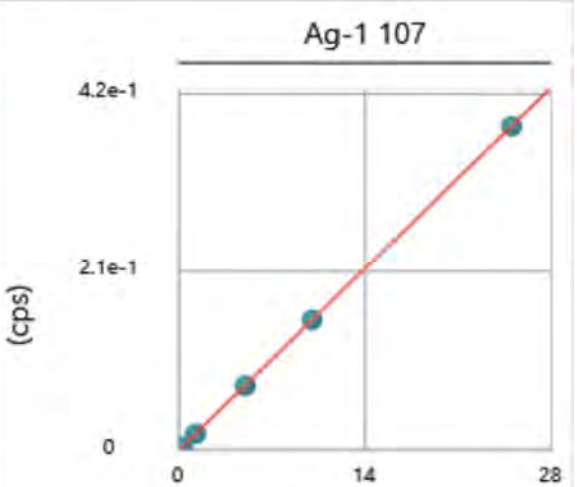
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999616
BEC : 0.183735 ug/L
DL : 0.085802 ug/L


Zn 66
9.4e-1
4.7e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999819
BEC : 0.119130 ug/L
DL : 0.017036 ug/L

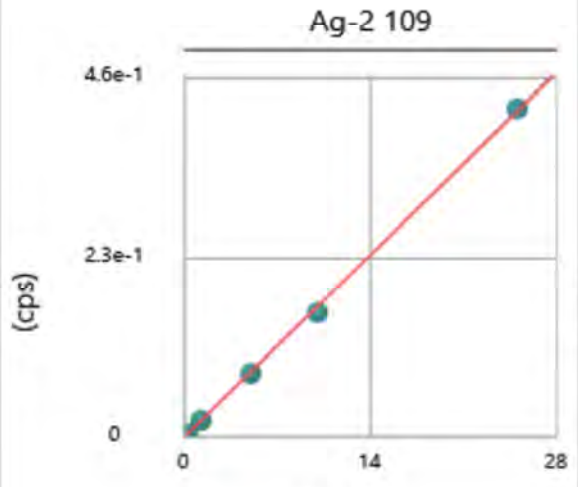

Zn-2 66
2.6e-1
1.3e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999410
BEC : 0.098747 ug/L
DL : 0.104756 ug/L



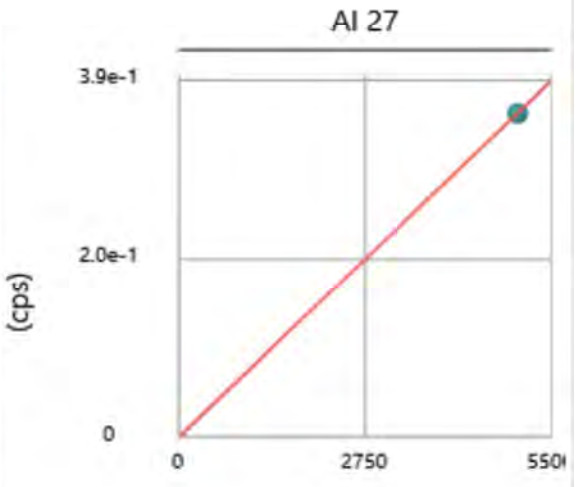
Eqn. : y = 0.016x + 0.000
Cor.Coeff. : 0.999723
BEC : 0.016645 ug/L
DL : 0.002283 ug/L



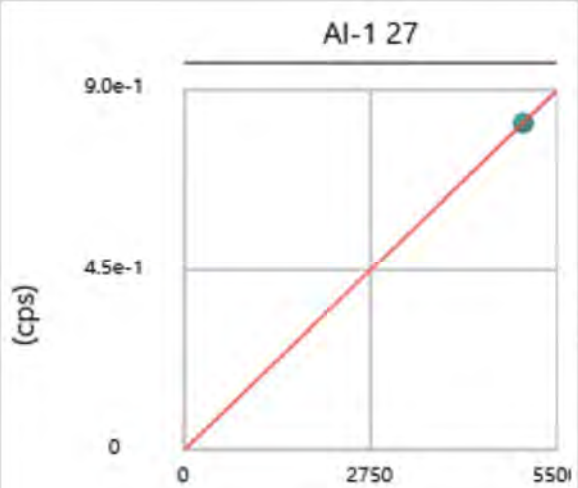
Eqn. : y = 0.015x + 0.000
Cor.Coeff. : 0.999999
BEC : 0.015916 ug/L
DL : 0.002200 ug/L



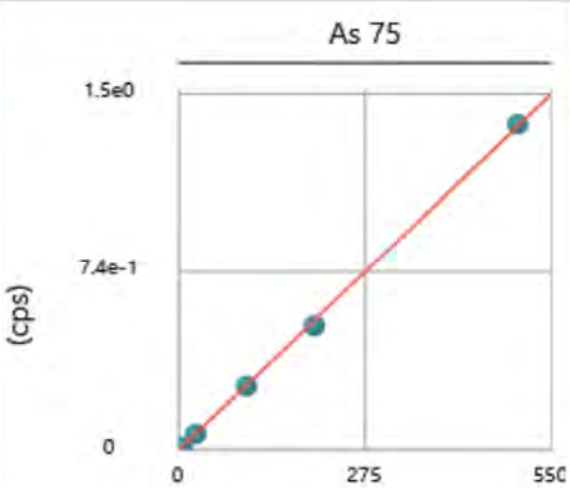
Eqn. : y = 0.017x + 0.000
Cor.Coeff. : 0.999813
BEC : 0.016537 ug/L
DL : 0.006012 ug/L



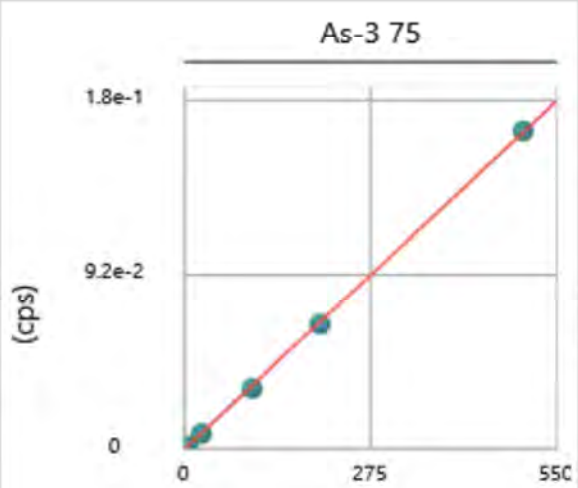
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.148452 ug/L
DL : 0.289179 ug/L



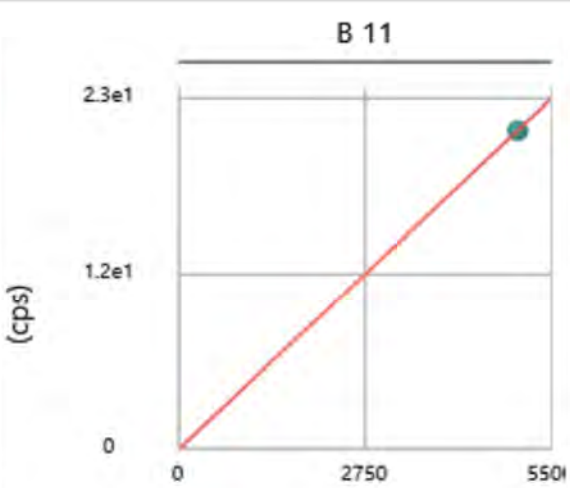
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.138445 mg/L
DL : 0.181176 mg/L



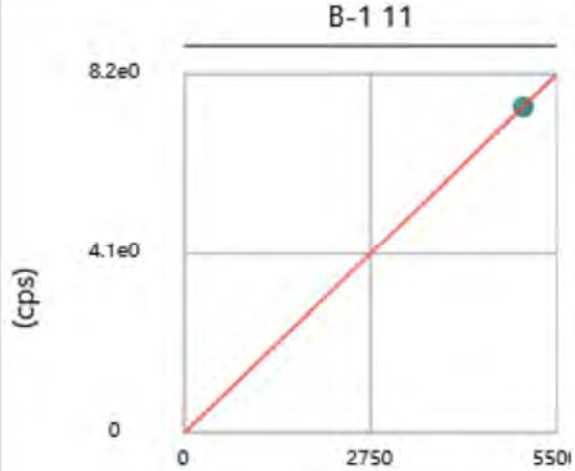
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999868
BEC : -0.504091 ug/L
DL : 1.705727 ug/L



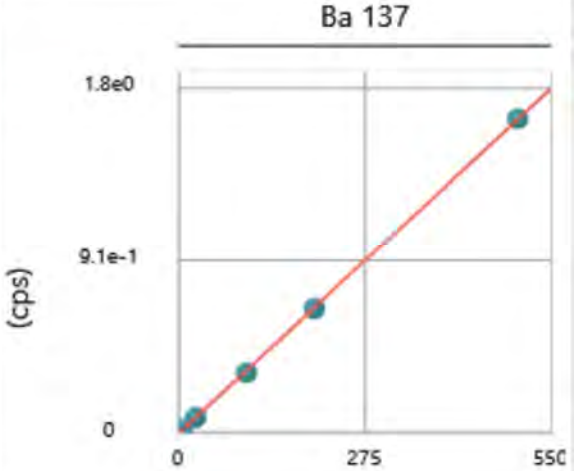
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999943
BEC : 0.118419 ug/L
DL : 0.043730 ug/L



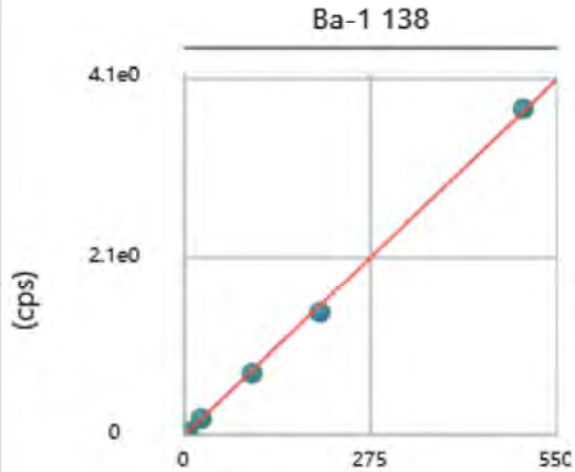
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.126794 ug/L
DL : 0.023389 ug/L



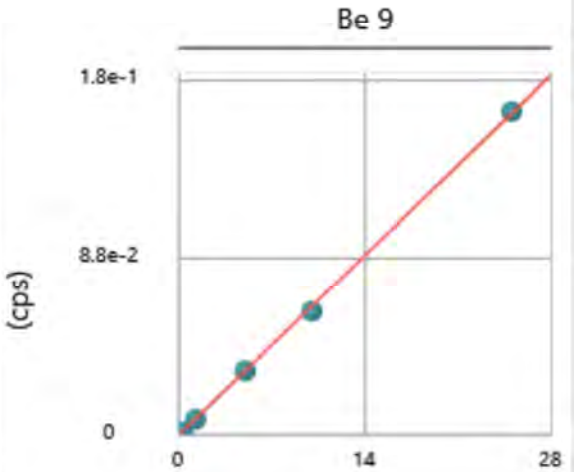
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.076233 ug/L
DL : 0.396120 ug/L



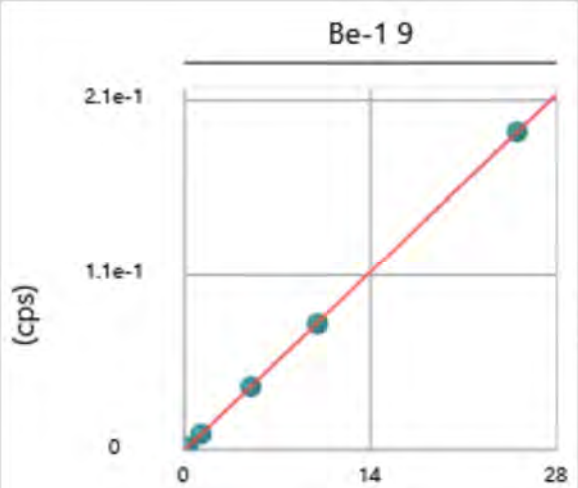
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999971
BEC : 0.012477 ug/L
DL : 0.001893 ug/L



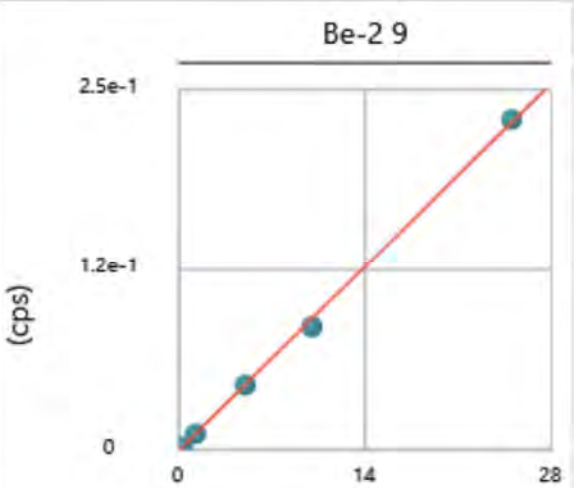
Eqn. : y = 0.008x + 0.000
Cor.Coeff. : 0.999741
BEC : 0.015856 mg/L
DL : 0.025102 mg/L



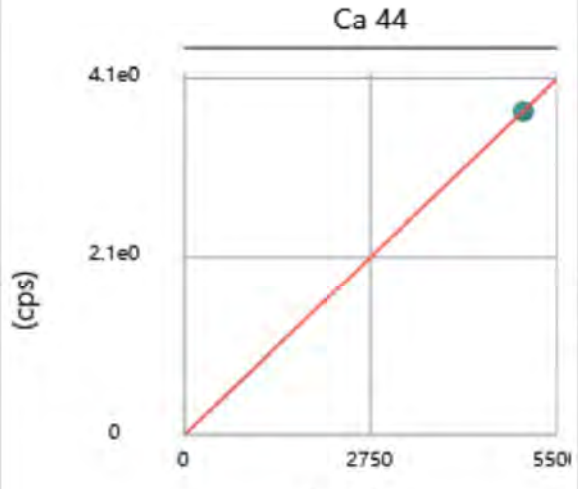
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999881
BEC : 0.000847 ug/L
DL : 0.001567 ug/L



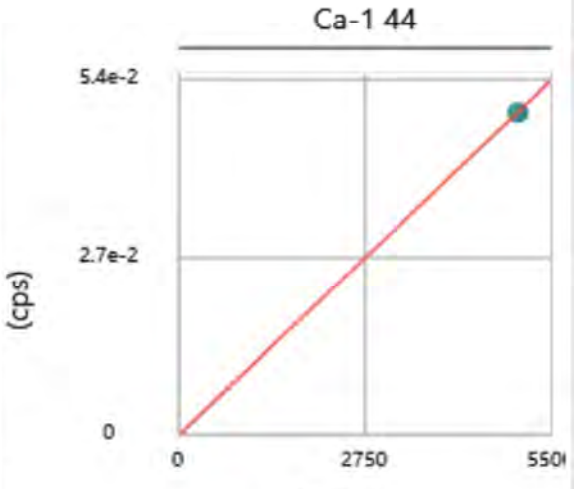
Eqn. : y = 0.008x + 0.000
Cor.Coeff. : 0.999994
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



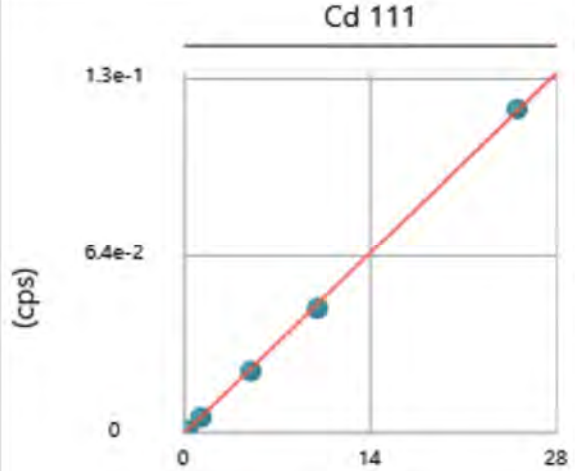
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999717
BEC : 0.000861 ug/L
DL : 0.001651 ug/L



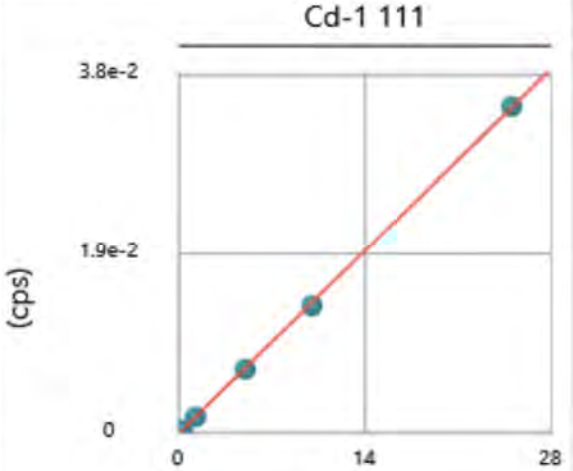
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 11.218838 ug/L
DL : 1.093503 ug/L



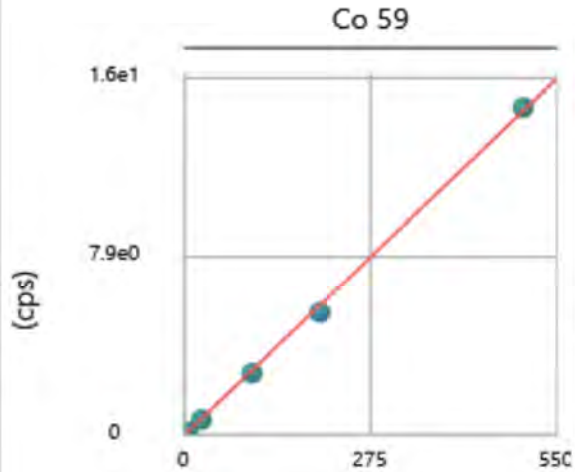
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 6.501699 mg/L
DL : 1.980834 mg/L



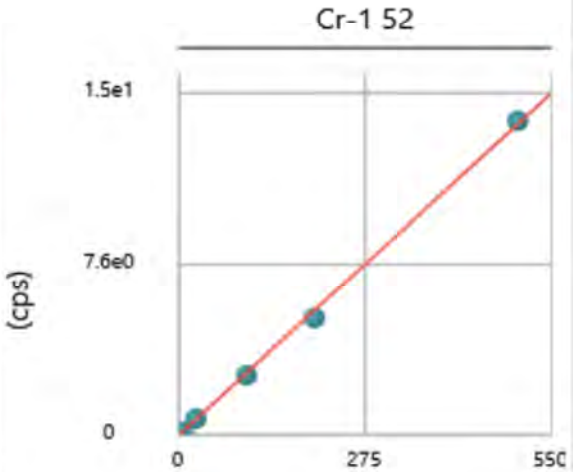
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999892
BEC : 0.001723 ug/L
DL : 0.001846 ug/L



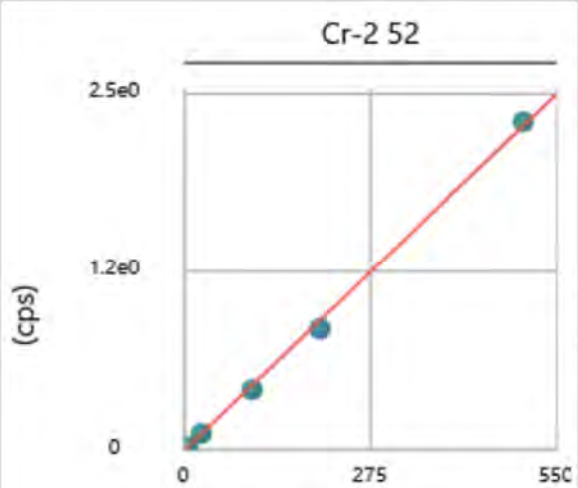
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999952
BEC : 0.029569 mg/L
DL : 0.028355 mg/L



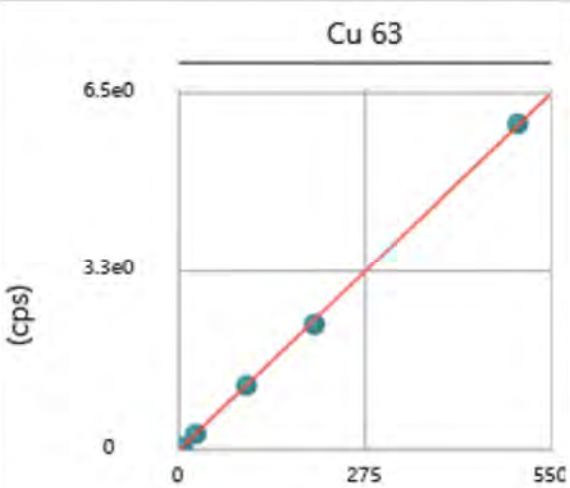
Eqn. : y = 0.029x + 0.000
Cor.Coeff. : 0.999713
BEC : 0.003061 ug/L
DL : 0.001585 ug/L



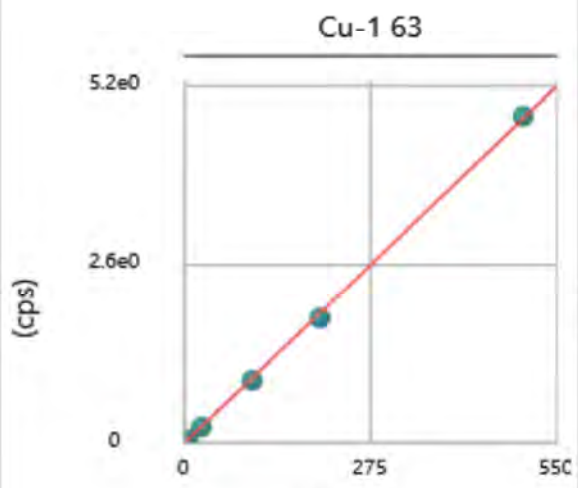
Eqn. : y = 0.028x + 0.000
Cor.Coeff. : 0.999675
BEC : 2.887412 ug/L
DL : 0.280083 ug/L



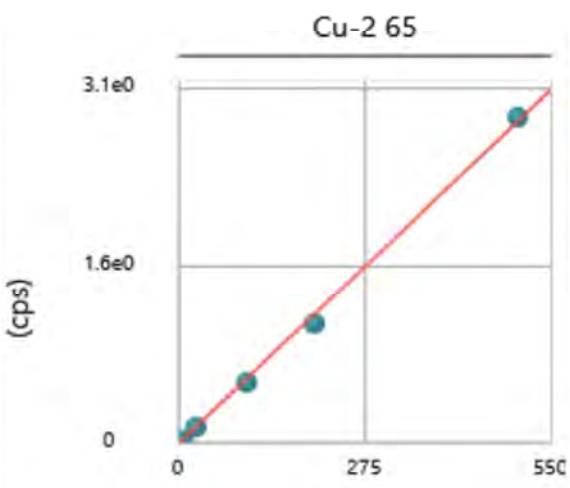
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999583
BEC : 0.027612 ug/L
DL : 0.013372 ug/L



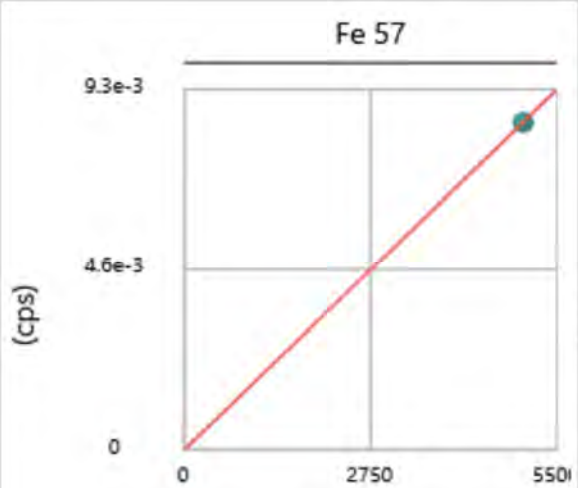
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999914
BEC : 0.026224 ug/L
DL : 0.002622 ug/L



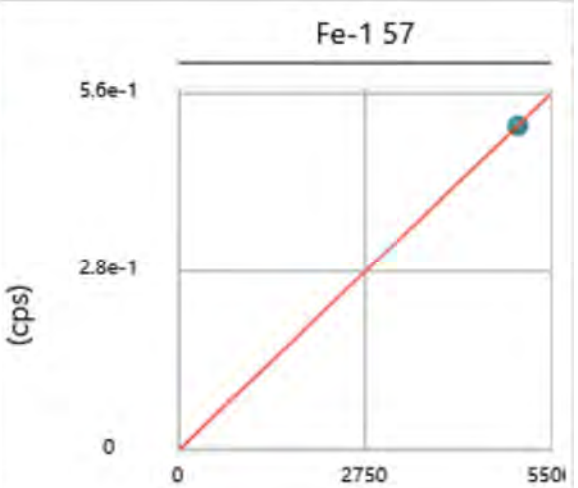
Eqn. : y = 0.010x + 0.000
Cor.Coeff. : 0.999870
BEC : 0.020758 ug/L
DL : 0.019318 ug/L



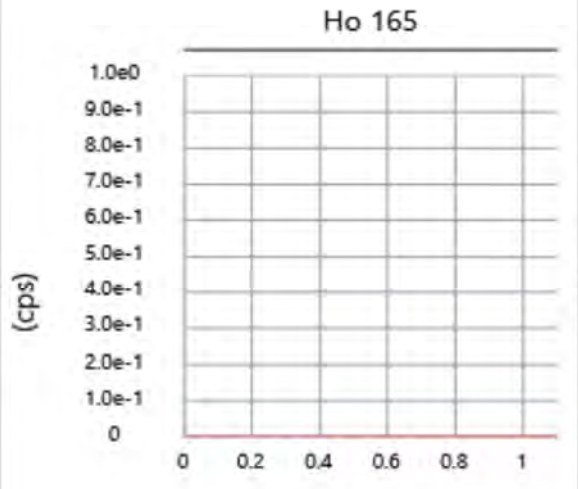
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999520
BEC : 0.022356 ug/L
DL : 0.013156 ug/L



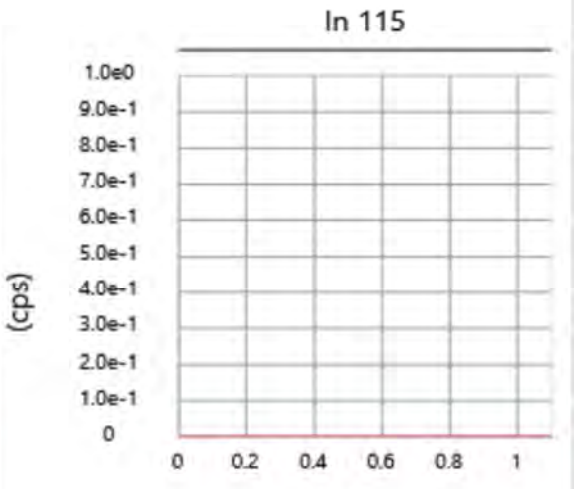
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 33.863689 ug/L
DL : 22.539217 ug/L



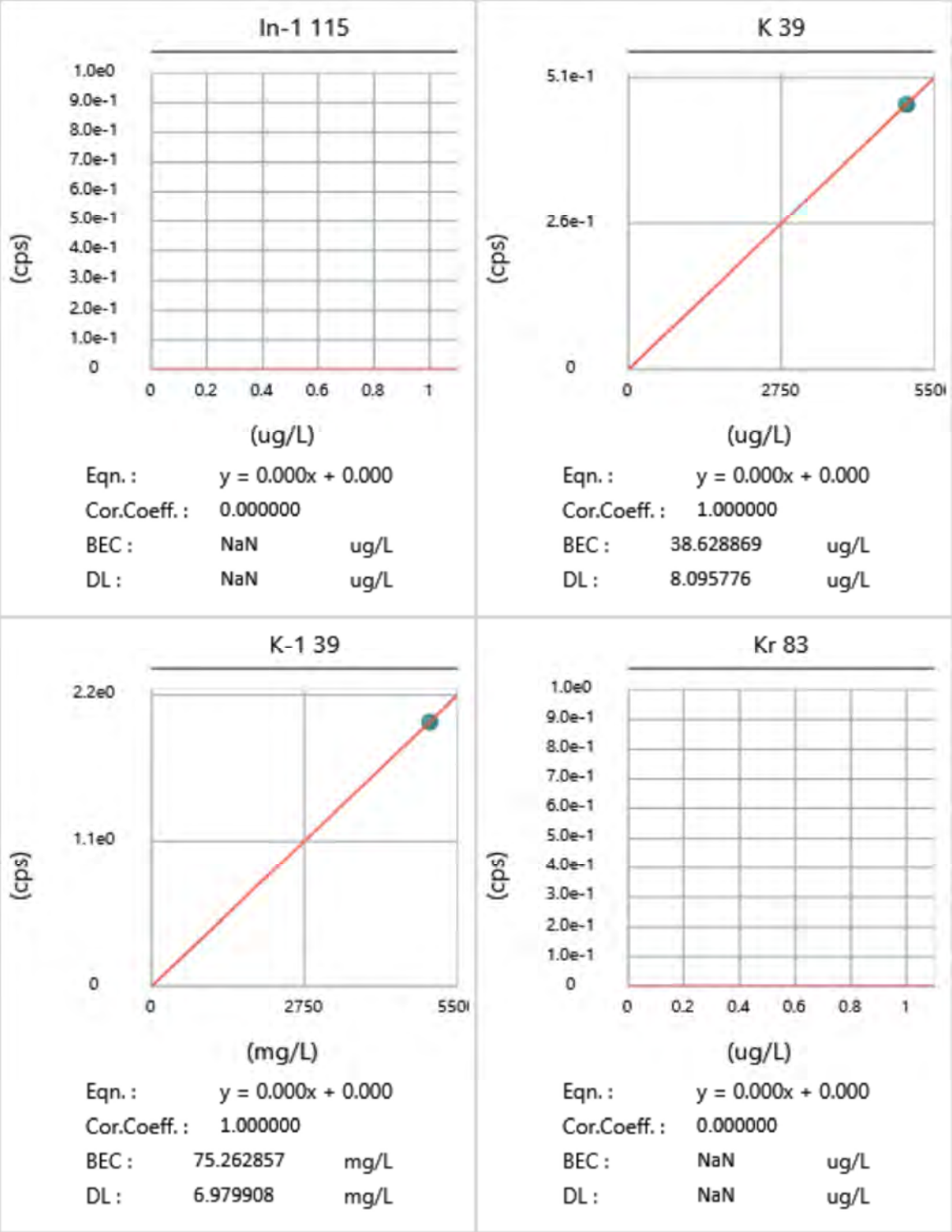
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.550489 ug/L
DL : 0.570271 ug/L

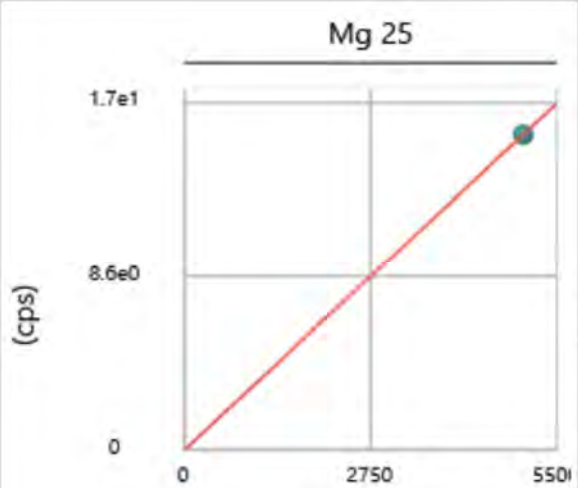


Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L

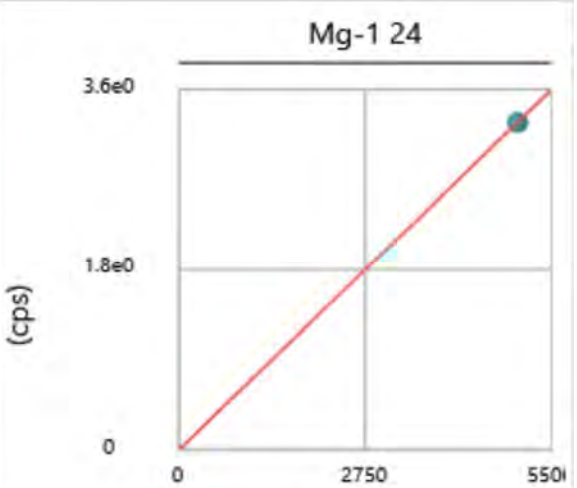


Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L

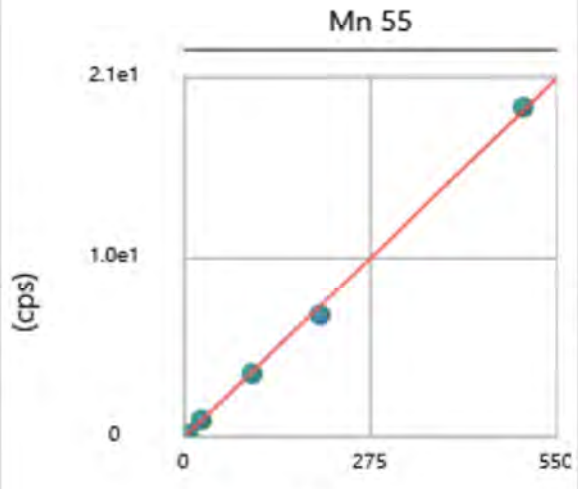

In-1 115
1.0e0
9.0e-1
8.0e-1
7.0e-1
6.0e-1
5.0e-1
4.0e-1
3.0e-1
2.0e-1
1.0e-1
0
(cps)
0
0.2
0.4
0.6
0.8
1
(ug/L)
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L
K 39
5.1e-1
2.6e-1
0
(cps)
0
2750
550
(ug/L)
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 38.628869 ug/L
DL : 8.095776 ug/L
K-1 39
2.2e0
1.1e0
0
(cps)
0
2750
550
(mg/L)
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 75.262857 mg/L
DL : 6.979908 mg/L
Kr 83
1.0e0
9.0e-1
8.0e-1
7.0e-1
6.0e-1
5.0e-1
4.0e-1
3.0e-1
2.0e-1
1.0e-1
0
(cps)
0
0.2
0.4
0.6
0.8
1
(ug/L)
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



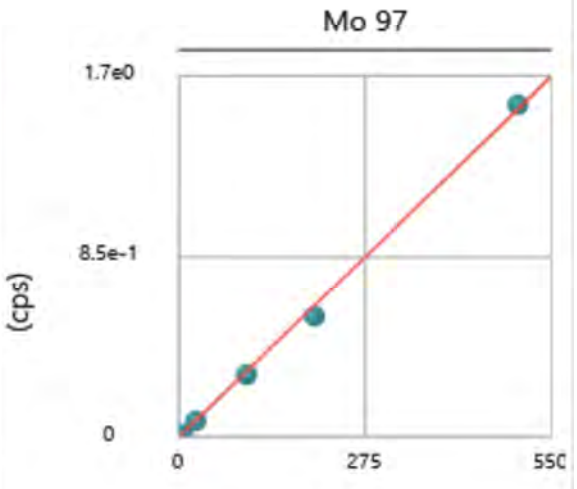
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.086202 ug/L
DL : 0.009375 ug/L



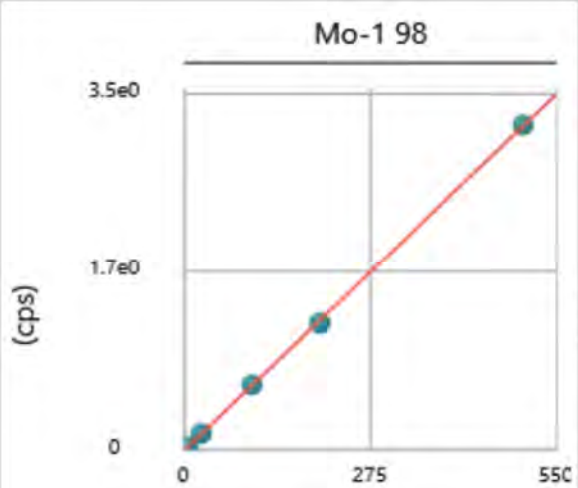
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.104111 mg/L
DL : 0.138814 mg/L



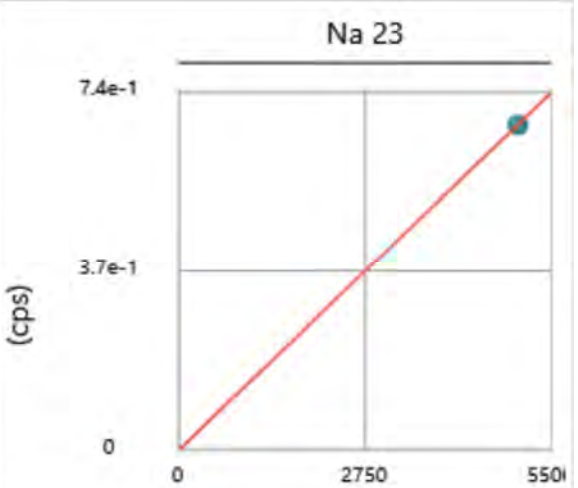
Eqn. : y = 0.038x + 0.000
Cor.Coeff. : 0.999637
BEC : 0.083999 ug/L
DL : 0.007567 ug/L



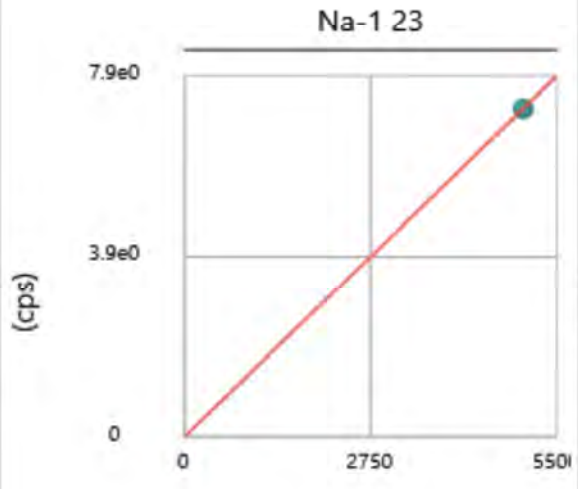
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999442
BEC : 0.042334 ug/L
DL : 0.032581 ug/L



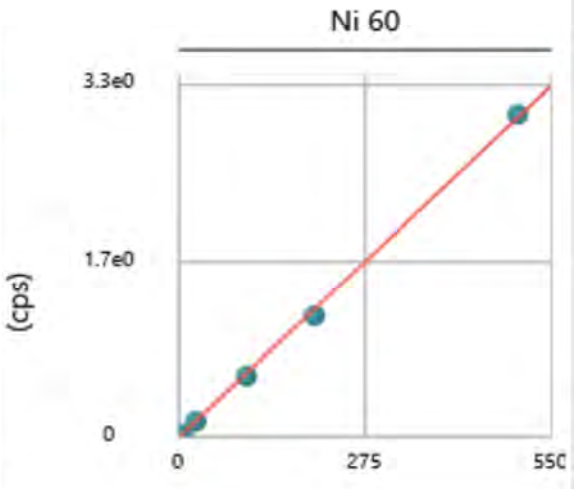
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999962
BEC : 0.013010 ug/L
DL : 0.015695 ug/L



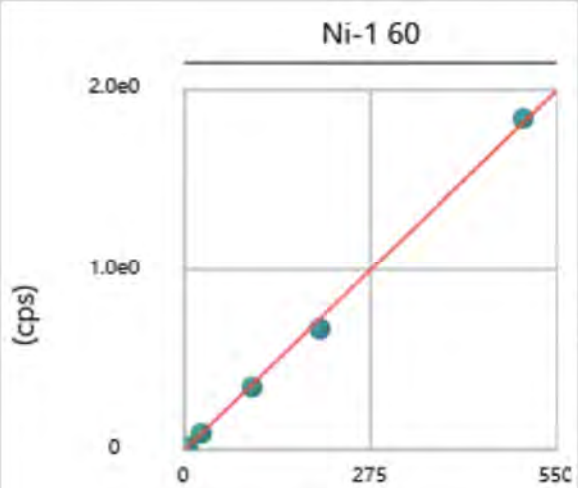
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 5.145816 ug/L
DL : 1.463738 ug/L



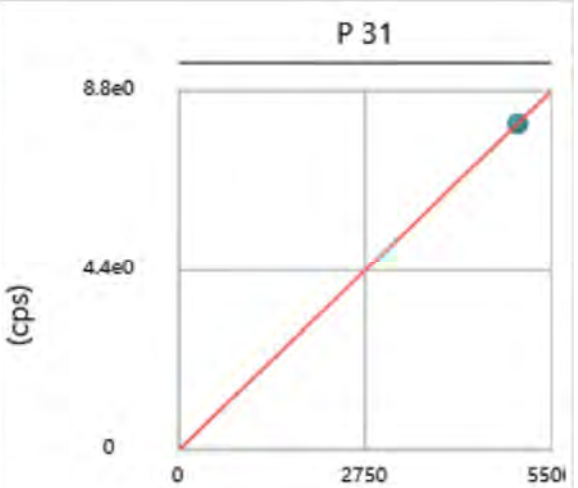
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 5.052710 mg/L
DL : 0.632181 mg/L



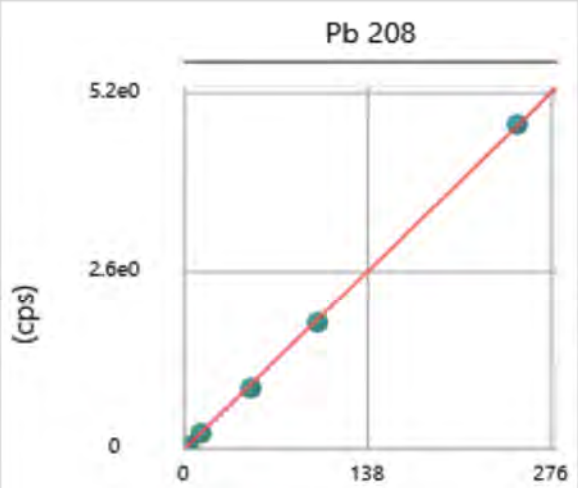
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999738
BEC : 0.056091 ug/L
DL : 0.013111 ug/L



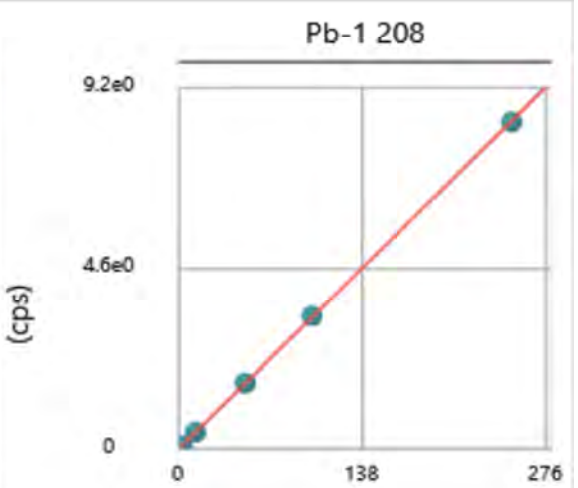
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999520
BEC : 0.052858 ug/L
DL : 0.058385 ug/L



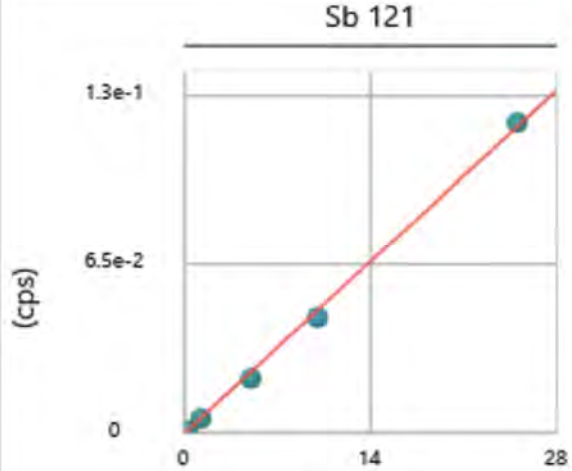
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 13.098473 ug/L
DL : 1.259260 ug/L



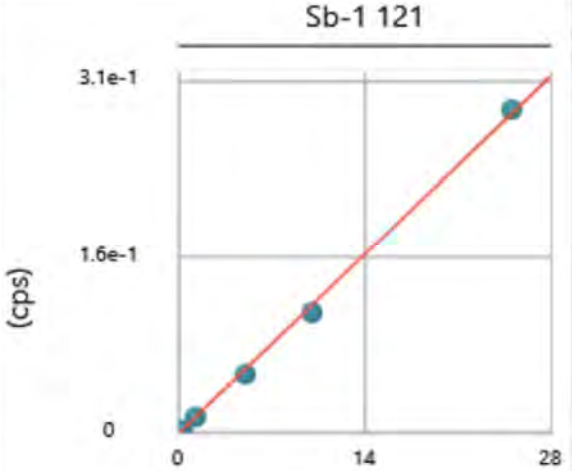
Eqn. : y = 0.019x + 0.000
Cor.Coeff. : 0.999910
BEC : 0.005005 ug/L
DL : 0.001126 ug/L



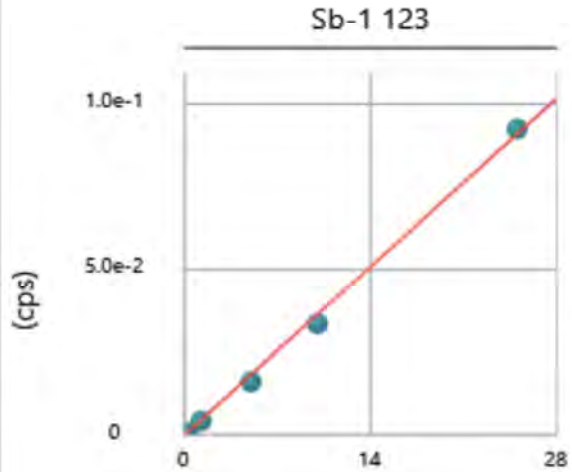
Eqn. : y = 0.033x + 0.000
Cor.Coeff. : 0.999986
BEC : 0.006163 ug/L
DL : 0.003585 ug/L



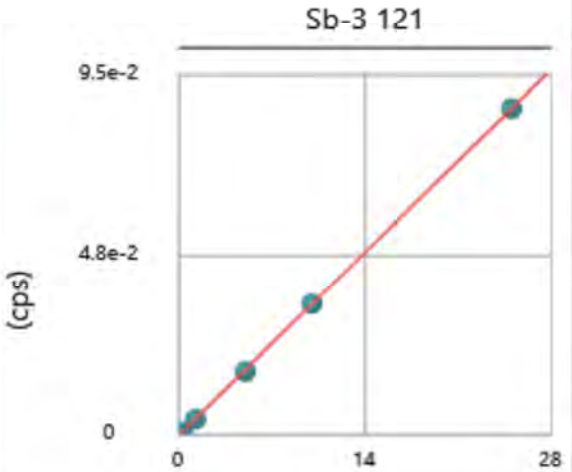
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999500
BEC : 0.012314 ug/L
DL : 0.002907 ug/L



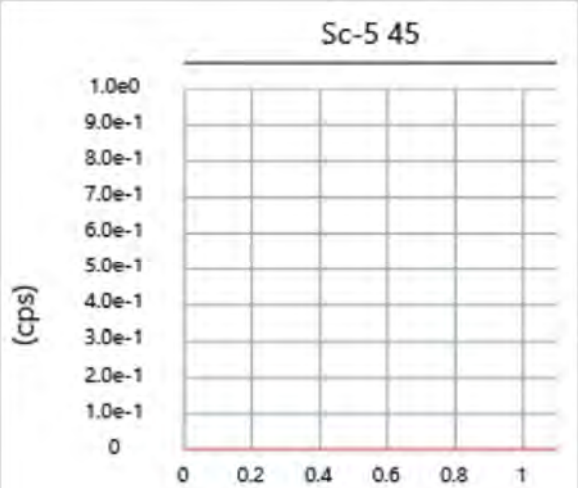
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999603
BEC : 0.012499 ug/L
DL : 0.003557 ug/L



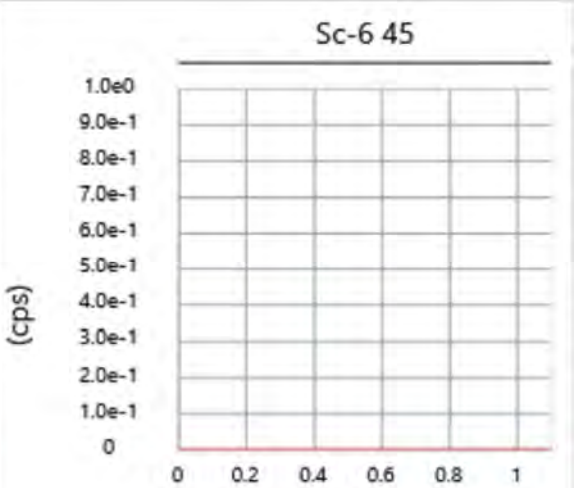
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999245
BEC : 0.013513 ug/L
DL : 0.001738 ug/L



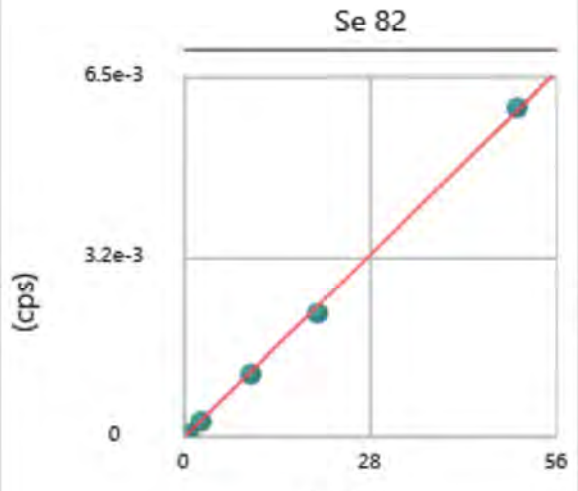
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999990
BEC : 0.010606 ug/L
DL : 0.007507 ug/L



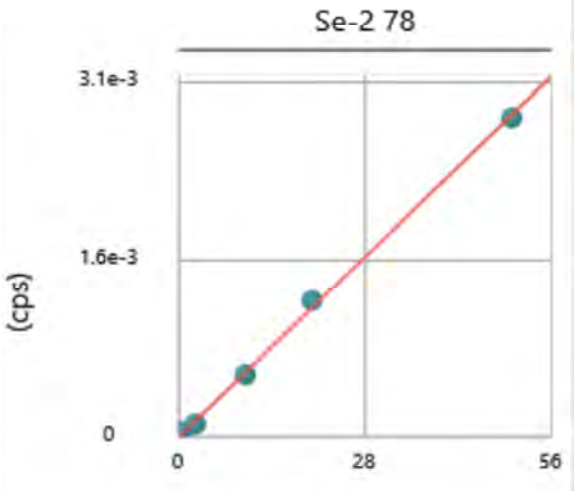
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



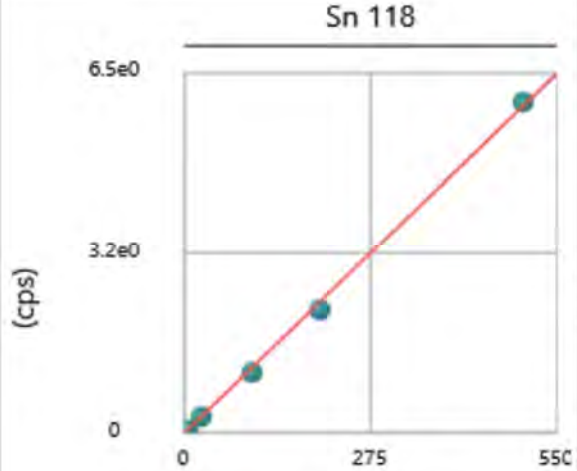
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN mg/L
DL : NaN mg/L



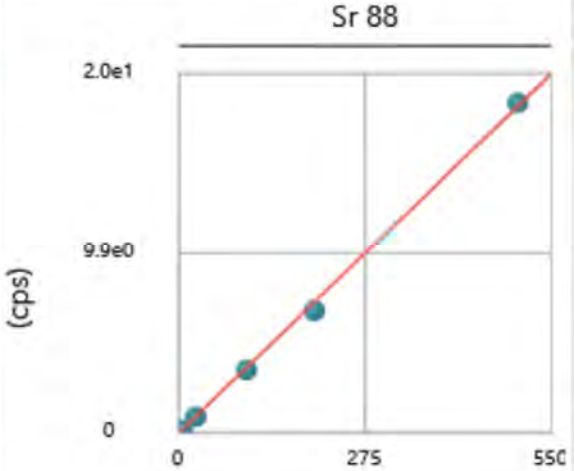
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999745
BEC : -0.283882 ug/L
DL : 0.197287 ug/L



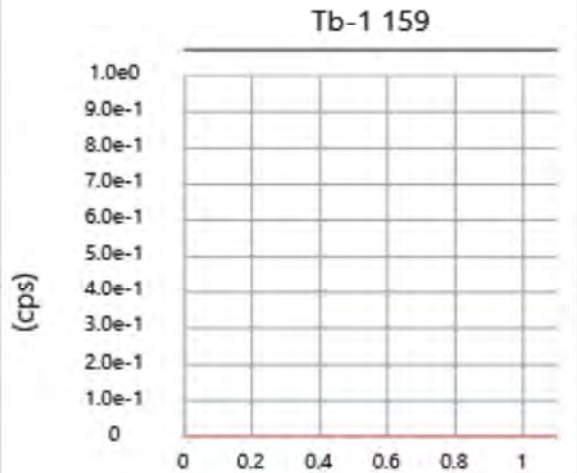
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999666
BEC : 0.700618 ug/L
DL : 0.263320 ug/L



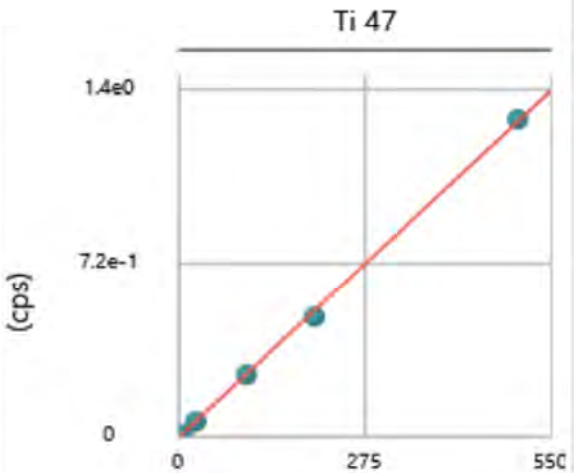
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999621
BEC : 0.290348 ug/L
DL : 0.047994 ug/L



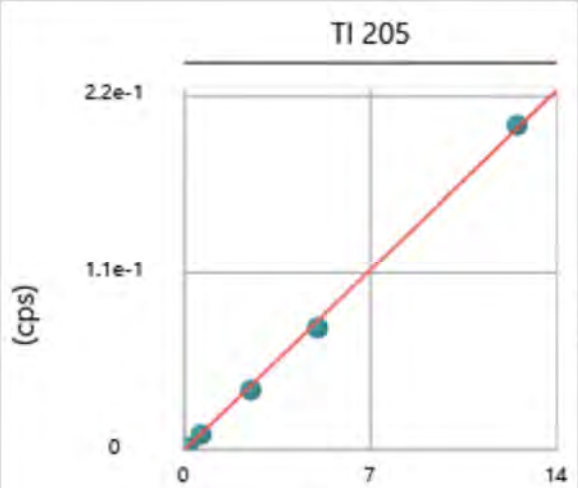
Eqn. : y = 0.036x + 0.000
Cor.Coeff. : 0.999654
BEC : 0.003845 ug/L
DL : 0.000893 ug/L



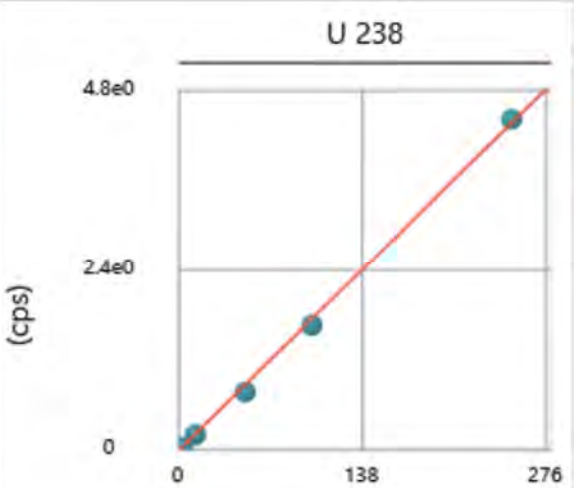
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



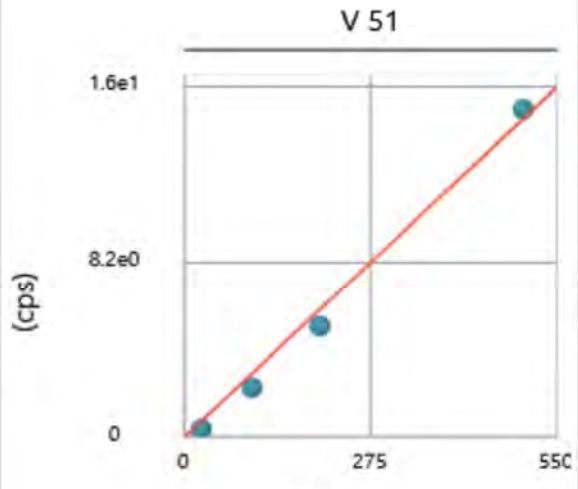
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999820
BEC : 0.104083 ug/L
DL : 0.070418 ug/L



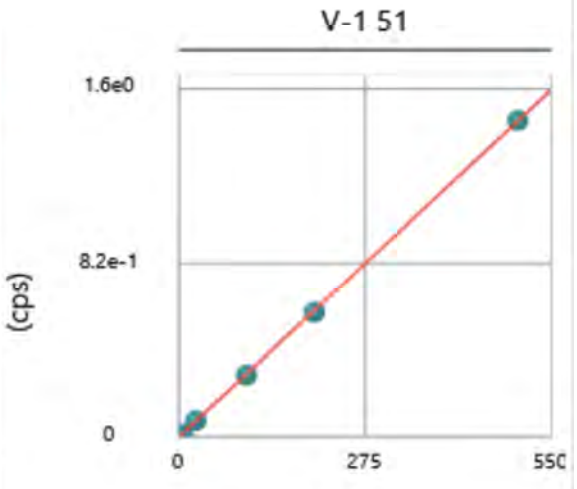
Eqn. : y = 0.016x + 0.000
Cor.Coeff. : 0.999704
BEC : 0.000597 ug/L
DL : 0.000792 ug/L



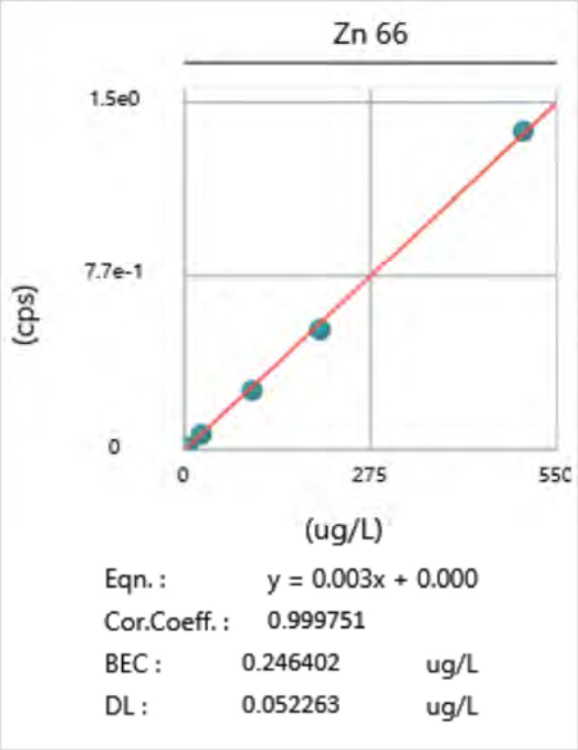
Eqn. : y = 0.017x + 0.000
Cor.Coeff. : 0.999578
BEC : 0.000071 ug/L
DL : 0.000186 ug/L

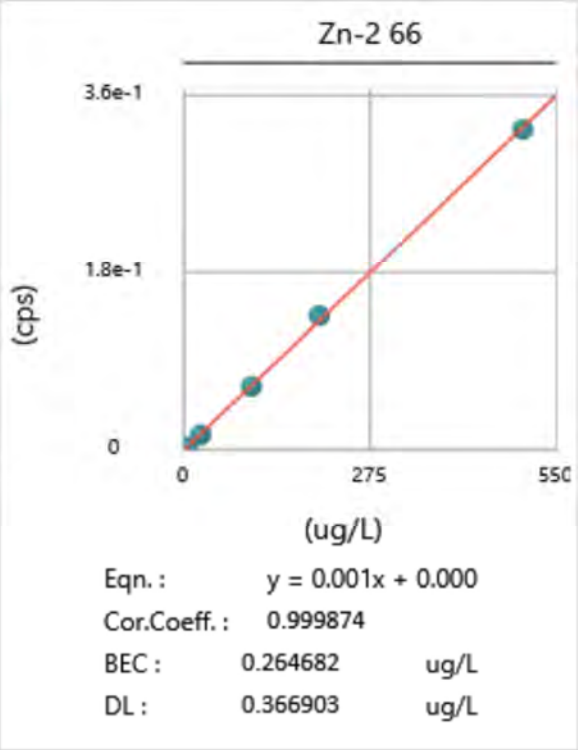


Eqn. : y = 0.030x + 0.000
Cor.Coeff. : 0.997201
BEC : 49.114378 ug/L
DL : 2.143670 ug/L



Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999976
BEC : 0.413672 ug/L
DL : 0.113994 ug/L


Zn 66
1.5e0
7.7e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999751
BEC : 0.246402 ug/L
DL : 0.052263 ug/L


Zn-2 66
3.6e-1
1.8e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999874
BEC : 0.264682 ug/L
DL : 0.366903 ug/L

Tunes

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 9/30/2021 9:00:21 AM
End Time: 9/30/2021 9:02:41 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 8151.73
Obtained Intensity (Mg 24): 32650.74
Obtained Intensity (In 115): 53152.50
Obtained Intensity (U 238): 41583.84
Obtained Intensity (Bkgd 220): 0.17
Obtained Formula (CeO 156 / Ce 140): 0.021 (=1372.33 / 64764.55)
Obtained Formula (Ce++ 70 / Ce 140): 0.008 (=531.08 / 64764.55)
Obtained RSD (Be 9): 0.0126
Obtained RSD (Mg 24): 0.0146
Obtained RSD (In 115): 0.0081
Obtained RSD (U 238): 0.0128

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 9/30/2021 9:00:21 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 8151.73
Obtained Intensity (Mg 24): 32650.74
Obtained Intensity (In 115): 53152.50
Obtained Intensity (U 238): 41583.84
Obtained Intensity (Bkgd 220): 0.17
Obtained Formula (CeO 156 / Ce 140): 0.021 (=1372.33 / 64764.55)
Obtained Formula (Ce++ 70 / Ce 140): 0.008 (=531.08 / 64764.55)
Obtained RSD (Be 9): 0.0126
Obtained RSD (Mg 24): 0.0146
Obtained RSD (In 115): 0.0081
Obtained RSD (U 238): 0.0128

[Passed] Optimum value(s): N/A

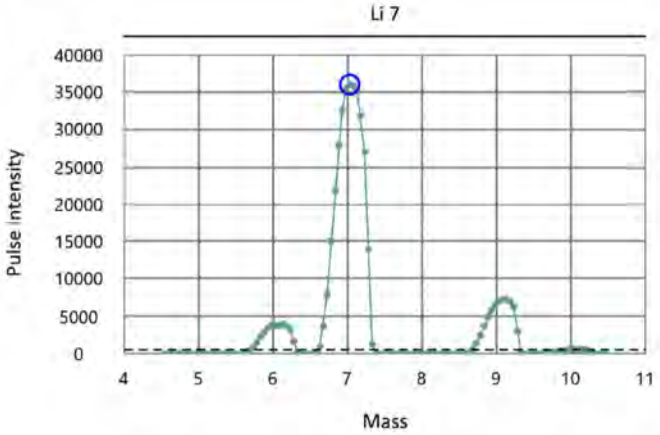
End Time: 9/30/2021 9:02:41 AM

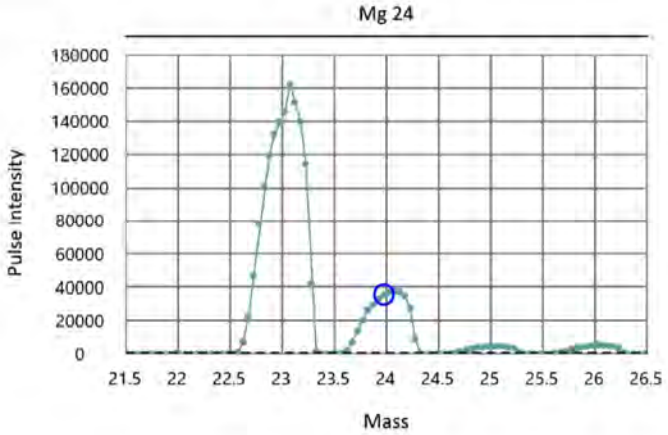
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.683)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.708)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.690)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.725)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.718)

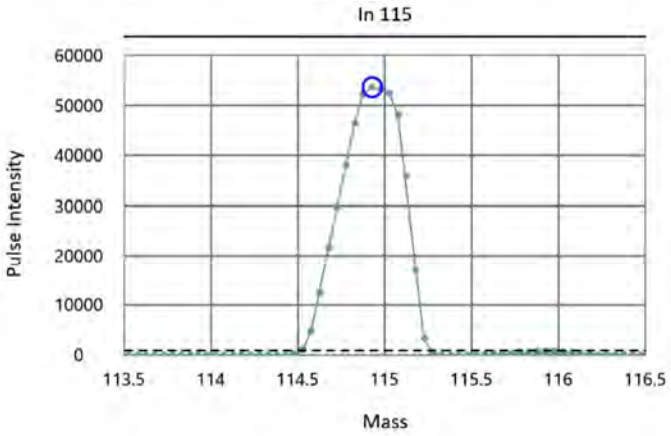
Acq. Date/Time: 9/30/2021 8:47:47 AM

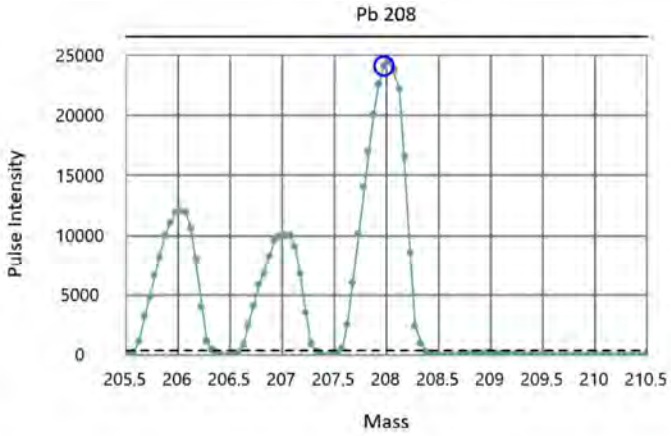
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

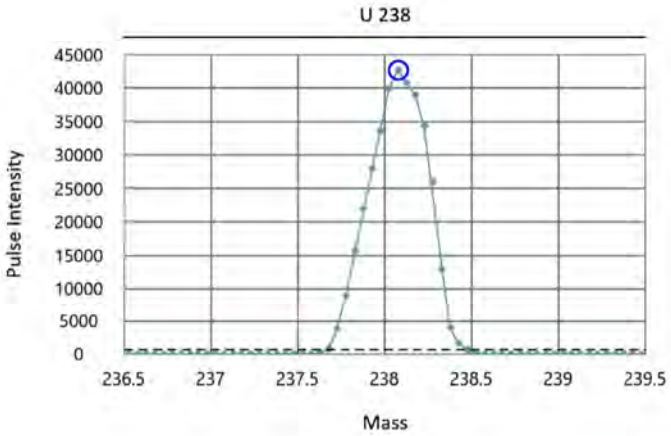
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1329	2022	0.683	
Mg	23.985	23.975	4708	2023	0.708	
In	114.904	114.925	22854	2041	0.690	
Pb	207.977	207.975	41421	2060	0.725	
U	238.05	238.075	47421	2067	0.718	











SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 10/11/2021 8:47:45 AM
End Time: 10/11/2021 8:50:05 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 8105.10
Obtained Intensity (Mg 24): 38194.01
Obtained Intensity (In 115): 53477.22
Obtained Intensity (U 238): 40949.50
Obtained Intensity (Bkgd 220): 0.57
Obtained Formula (CeO 156 / Ce 140): 0.020 (=1438.01 / 73306.37)
Obtained Formula (Ce++ 70 / Ce 140): 0.012 (=878.29 / 73306.37)
Obtained RSD (Be 9): 0.0285
Obtained RSD (Mg 24): 0.0209
Obtained RSD (In 115): 0.0233
Obtained RSD (U 238): 0.0235

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 10/11/2021 8:47:45 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 8105.10
Obtained Intensity (Mg 24): 38194.01
Obtained Intensity (In 115): 53477.22
Obtained Intensity (U 238): 40949.50
Obtained Intensity (Bkgd 220): 0.57
Obtained Formula (CeO 156 / Ce 140): 0.020 (=1438.01 / 73306.37)
Obtained Formula (Ce++ 70 / Ce 140): 0.012 (=878.29 / 73306.37)
Obtained RSD (Be 9): 0.0285
Obtained RSD (Mg 24): 0.0209
Obtained RSD (In 115): 0.0233
Obtained RSD (U 238): 0.0235

[Passed] Optimum value(s): N/A

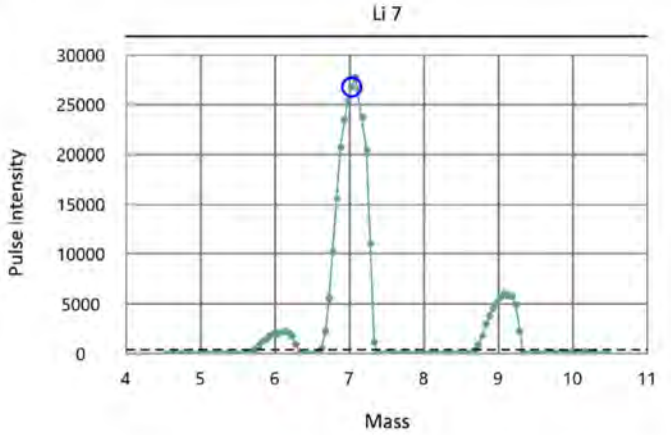
End Time: 10/11/2021 8:50:05 AM

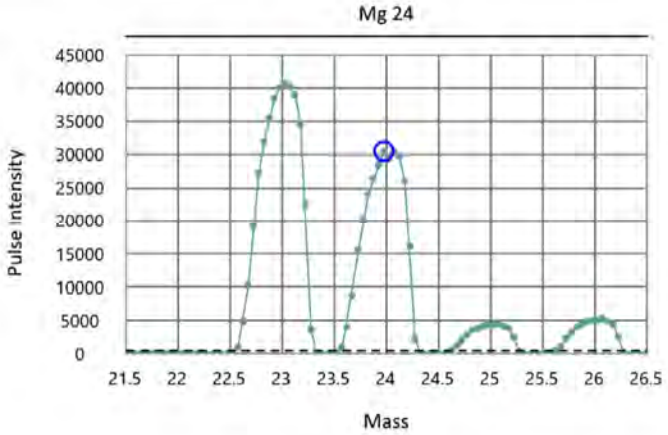
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.677)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.708)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.674)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.706)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.705)

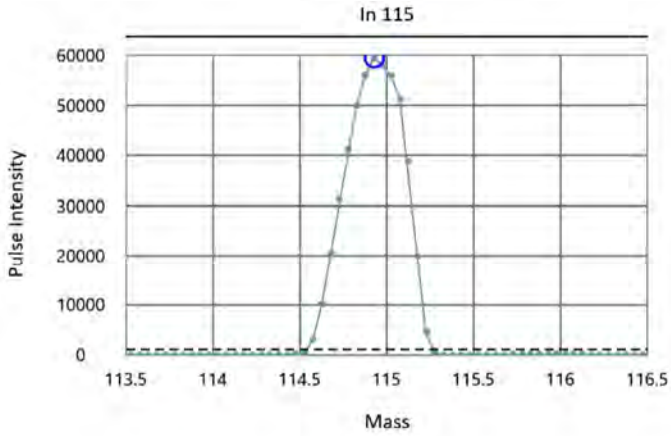
Acq. Date/Time: 10/11/2021 8:26:02 AM

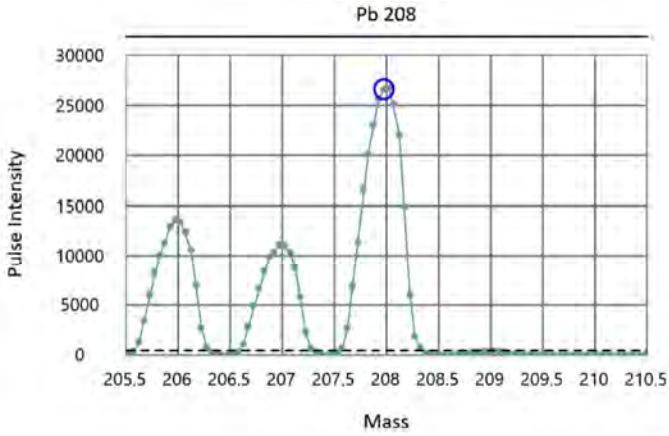
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

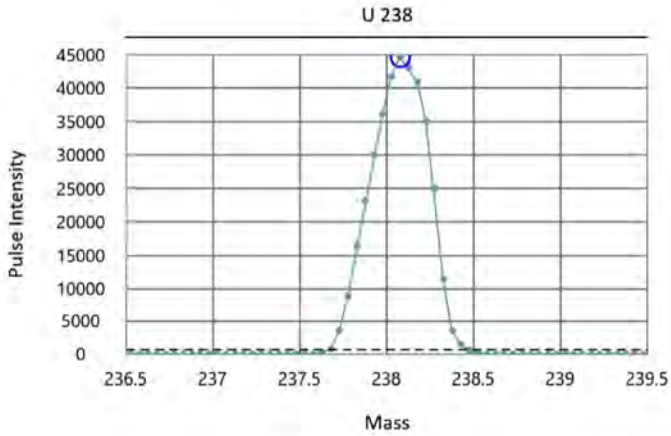
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1327	2022	0.677	
Mg	23.985	23.975	4712	2023	0.708	
In	114.904	114.925	22852	2041	0.674	
Pb	207.977	207.975	41424	2060	0.706	
U	238.05	238.075	47422	2067	0.705	











3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
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info@fremontanalytical.com

Shannon & Wilson
Ryan Peterson
400 N. 34th Street, Suite 100
Seattle, WA 98103

RE: 8801 Excavations
Work Order Number: 2109508

October 11, 2021

Attention Ryan Peterson:

Fremont Analytical, Inc. received 26 sample(s) on 9/29/2021 for the analyses presented in the following report.

Gasoline by NWTPH-Gx
Polychlorinated Biphenyls (PCB) by EPA 8082
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

Date: *11/10/2021*

CLIENT: Shannon & Wilson
Project: 8801 Excavations
Work Order: 2109508

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109508-001	A5-SIDE6:2	09/29/2021 9:55 AM	09/29/2021 3:52 PM
2109508-002	A5-SIDE101:2	09/29/2021 9:58 AM	09/29/2021 3:52 PM
2109508-003	A5-SIDE6:6	09/29/2021 10:00 AM	09/29/2021 3:52 PM
2109508-004	A5-SIDE7:3	09/29/2021 10:02 AM	09/29/2021 3:52 PM
2109508-005	A5-SIDE7:6	09/29/2021 10:04 AM	09/29/2021 3:52 PM
2109508-006	A5-SIDE8:2	09/29/2021 10:06 AM	09/29/2021 3:52 PM
2109508-007	A5-SIDE8:6	09/29/2021 10:08 AM	09/29/2021 3:52 PM
2109508-008	A5-SIDE9:3	09/29/2021 10:10 AM	09/29/2021 3:52 PM
2109508-009	A5-SIDE9:7	09/29/2021 10:12 AM	09/29/2021 3:52 PM
2109508-010	A5-SIDE17:2	09/29/2021 10:14 AM	09/29/2021 3:52 PM
2109508-011	A5-SIDE5:2	09/29/2021 10:30 AM	09/29/2021 3:52 PM
2109508-012	A5-SIDE5:6	09/29/2021 10:35 AM	09/29/2021 3:52 PM
2109508-013	A3-SIDE7:2.5	09/29/2021 12:00 PM	09/29/2021 3:52 PM
2109508-014	A3-SIDE7:5	09/29/2021 12:03 PM	09/29/2021 3:52 PM
2109508-015	A3-SIDE6:2.5	09/29/2021 11:54 AM	09/29/2021 3:52 PM
2109508-016	A3-SIDE6:5	09/29/2021 11:57 AM	09/29/2021 3:52 PM
2109508-017	A3-SIDE5:2.5	09/29/2021 11:48 AM	09/29/2021 3:52 PM
2109508-018	A3-SIDE5:5	09/29/2021 11:51 AM	09/29/2021 3:52 PM
2109508-019	A3-SIDE4:2.5	09/29/2021 11:40 AM	09/29/2021 3:52 PM
2109508-020	A3-SIDE4:5	09/29/2021 11:45 AM	09/29/2021 3:52 PM
2109508-021	A3-SIDE101:5	09/29/2021 11:45 AM	09/29/2021 3:52 PM
2109508-022	A3-BOT24:6	09/29/2021 12:06 PM	09/29/2021 3:52 PM
2109508-023	A3-BOT25:6	09/29/2021 12:09 PM	09/29/2021 3:52 PM
2109508-024	A3-BOT26:6	09/29/2021 12:12 PM	09/29/2021 3:52 PM
2109508-025	A3-BOT27:6	09/29/2021 12:15 PM	09/29/2021 3:52 PM
2109508-026	TRIP-20210929	09/29/2021 1:15 PM	09/29/2021 3:52 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Revision v1

Case Narrative

WO#: **2109508**
Date: **10/11/2021**

CLIENT: Shannon & Wilson
Project: 8801 Excavations

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109508-003A, 005A, 007A, 009A, and 012A-025A) required Acid Cleanup Procedure (Using Method No 3665A).

Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2109508-003A, 005A, 007A, 009A, and 012A-025A) required Florisil Cleanup Procedure (Using Method No 3620C).

11/10/2021: Revision 1 includes level 2B data validation package as well as corrected qualifiers for arsenic data on samples -001, -002, and -003.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Client: Shannon & Wilson **Collection Date:** 9/29/2021 9:55:00 AM
Project: 8801 Excavations
Lab ID: 2109508-001 **Matrix:** Soil
Client Sample ID: **A5-SIDE6:2**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33895			Analyst: EH
Arsenic	5.90	1.10	0.368	DQ	mg/Kg-dry	10	10/08/21 16:31:23
Cadmium	0.550	1.83	0.0303	DJ	mg/Kg-dry	10	10/08/21 16:31:23
Chromium	12.1	3.66	1.20	D	mg/Kg-dry	10	10/08/21 16:31:23
Lead	18.1	1.83	0.381	D	mg/Kg-dry	10	10/08/21 16:31:23

NOTES:
Q - Associated calibration verification is above acceptance criteria. Result may be high-biased.

Sample Moisture (Percent Moisture)				Batch ID: R70231			Analyst: ALB
Percent Moisture	13.2	0.500	0.100		wt%	1	09/29/21 16:28:27

Client: Shannon & Wilson **Collection Date:** 9/29/2021 9:58:00 AM
Project: 8801 Excavations
Lab ID: 2109508-002 **Matrix:** Soil
Client Sample ID: **A5-SIDE101:2**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33895			Analyst: EH
Arsenic	6.49	1.05	0.353	DQ	mg/Kg-dry	10	10/08/21 16:33:28
Cadmium	0.473	1.76	0.0291	DJ	mg/Kg-dry	10	10/08/21 16:33:28
Chromium	17.5	3.51	1.15	D	mg/Kg-dry	10	10/08/21 16:33:28
Lead	22.7	1.76	0.366	D	mg/Kg-dry	10	10/08/21 16:33:28

NOTES:
Q - Associated calibration verification is above acceptance criteria. Result may be high-biased.

Sample Moisture (Percent Moisture)				Batch ID: R70231			Analyst: ALB
Percent Moisture	11.1	0.500	0.100		wt%	1	09/29/21 16:28:27

Analytical Report

Work Order: **2109508**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Collection Date: 9/29/2021 10:00:00 AM
Project: 8801 Excavations
Lab ID: 2109508-003
Matrix: Soil
Client Sample ID: **A5-SIDE6:6**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33899			Analyst: SB
Aroclor 1016	ND	0.0602	0.00971		mg/Kg-dry	1	09/30/21 15:34:40
Aroclor 1221	ND	0.0602	0.00971		mg/Kg-dry	1	09/30/21 15:34:40
Aroclor 1232	ND	0.0602	0.00971		mg/Kg-dry	1	09/30/21 15:34:40
Aroclor 1242	ND	0.0602	0.00971		mg/Kg-dry	1	09/30/21 15:34:40
Aroclor 1248	ND	0.0602	0.0120		mg/Kg-dry	1	09/30/21 15:34:40
Aroclor 1254	ND	0.0602	0.0120		mg/Kg-dry	1	09/30/21 15:34:40
Aroclor 1260	ND	0.0602	0.0120		mg/Kg-dry	1	09/30/21 15:34:40
Aroclor 1262	ND	0.0602	0.0120		mg/Kg-dry	1	09/30/21 15:34:40
Aroclor 1268	ND	0.0602	0.0120		mg/Kg-dry	1	09/30/21 15:34:40
Total PCBs	ND	0.0602	0.0120		mg/Kg-dry	1	09/30/21 15:34:40
Surr: Decachlorobiphenyl	60.4	20.6 - 142			%Rec	1	09/30/21 15:34:40
Surr: Tetrachloro-m-xylene	58.8	22 - 157			%Rec	1	09/30/21 15:34:40
Total Metals by EPA Method 6020B				Batch ID: 33895			Analyst: EH
Arsenic	4.02	1.16	0.389	DQ	mg/Kg-dry	10	10/08/21 16:35:32
Lead	2.09	1.93	0.402	D	mg/Kg-dry	10	10/08/21 16:35:32
Sample Moisture (Percent Moisture)				Batch ID: R70231			Analyst: ALB
Percent Moisture	24.5	0.500	0.100		wt%	1	09/29/21 16:28:27

NOTES:
Q - Associated calibration verification is above acceptance criteria. Result may be high-biased.

Analytical Report

Work Order: **2109508**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Collection Date: 9/29/2021 10:02:00 AM
Project: 8801 Excavations
Lab ID: 2109508-004
Matrix: Soil
Client Sample ID: **A5-SIDE7:3**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33895			Analyst: EH
Arsenic	5.44	0.111	0.0372		mg/Kg-dry	1	10/08/21 16:16:22
Cadmium	0.0970	0.185	0.00306	J	mg/Kg-dry	1	10/08/21 16:16:22
Chromium	22.4	0.370	0.121		mg/Kg-dry	1	10/08/21 16:16:22
Lead	7.74	0.185	0.0385		mg/Kg-dry	1	10/08/21 16:16:22
Sample Moisture (Percent Moisture)				Batch ID: R70231			Analyst: ALB
Percent Moisture	23.9	0.500	0.100		wt%	1	09/29/21 16:28:27

Analytical Report

Work Order: **2109508**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Project: 8801 Excavations
Lab ID: 2109508-005
Client Sample ID: **A5-SIDE7:6**

Collection Date: 9/29/2021 10:04:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33899			Analyst: SB
Aroclor 1016	ND	0.0545	0.00879		mg/Kg-dry	1	09/30/21 15:44:24
Aroclor 1221	ND	0.0545	0.00879		mg/Kg-dry	1	09/30/21 15:44:24
Aroclor 1232	ND	0.0545	0.00879		mg/Kg-dry	1	09/30/21 15:44:24
Aroclor 1242	ND	0.0545	0.00879		mg/Kg-dry	1	09/30/21 15:44:24
Aroclor 1248	ND	0.0545	0.0108		mg/Kg-dry	1	09/30/21 15:44:24
Aroclor 1254	ND	0.0545	0.0108		mg/Kg-dry	1	09/30/21 15:44:24
Aroclor 1260	ND	0.0545	0.0108		mg/Kg-dry	1	09/30/21 15:44:24
Aroclor 1262	ND	0.0545	0.0108		mg/Kg-dry	1	09/30/21 15:44:24
Aroclor 1268	ND	0.0545	0.0108		mg/Kg-dry	1	09/30/21 15:44:24
Total PCBs	ND	0.0545	0.0108		mg/Kg-dry	1	09/30/21 15:44:24
Surr: Decachlorobiphenyl	37.8	20.6 - 142			%Rec	1	09/30/21 15:44:24
Surr: Tetrachloro-m-xylene	32.3	22 - 157			%Rec	1	09/30/21 15:44:24
Total Metals by EPA Method 6020B				Batch ID: 33895			Analyst: EH
Arsenic	2.88	1.10	0.367	D	mg/Kg-dry	10	10/11/21 11:34:43
Lead	3.66	1.83	0.380	D	mg/Kg-dry	10	10/08/21 16:41:49
Sample Moisture (Percent Moisture)				Batch ID: R70231			Analyst: ALB
Percent Moisture	22.9	0.500	0.100		wt%	1	09/29/21 16:28:27

Analytical Report

Work Order: **2109508**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Collection Date: 9/29/2021 10:06:00 AM
Project: 8801 Excavations
Lab ID: 2109508-006
Matrix: Soil
Client Sample ID: **A5-SIDE8:2**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33895			Analyst: EH
Arsenic	7.01	1.16	0.388	D	mg/Kg-dry	10	10/11/21 11:40:17
Cadmium	0.617	1.93	0.0320	DJ	mg/Kg-dry	10	10/08/21 16:43:54
Chromium	27.7	3.86	1.26	D	mg/Kg-dry	10	10/08/21 16:43:54
Lead	29.6	1.93	0.402	D	mg/Kg-dry	10	10/08/21 16:43:54
Sample Moisture (Percent Moisture)				Batch ID: R70231			Analyst: ALB
Percent Moisture	25.5	0.500	0.100		wt%	1	09/29/21 16:28:27

Analytical Report

Work Order: **2109508**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Project: 8801 Excavations
Lab ID: 2109508-007
Client Sample ID: **A5-SIDE8:6**

Collection Date: 9/29/2021 10:08:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33899			Analyst: SB
Aroclor 1016	ND	0.0639	0.0103		mg/Kg-dry	1	09/30/21 15:54:07
Aroclor 1221	ND	0.0639	0.0103		mg/Kg-dry	1	09/30/21 15:54:07
Aroclor 1232	ND	0.0639	0.0103		mg/Kg-dry	1	09/30/21 15:54:07
Aroclor 1242	ND	0.0639	0.0103		mg/Kg-dry	1	09/30/21 15:54:07
Aroclor 1248	ND	0.0639	0.0127		mg/Kg-dry	1	09/30/21 15:54:07
Aroclor 1254	ND	0.0639	0.0127		mg/Kg-dry	1	09/30/21 15:54:07
Aroclor 1260	ND	0.0639	0.0127		mg/Kg-dry	1	09/30/21 15:54:07
Aroclor 1262	ND	0.0639	0.0127		mg/Kg-dry	1	09/30/21 15:54:07
Aroclor 1268	ND	0.0639	0.0127		mg/Kg-dry	1	09/30/21 15:54:07
Total PCBs	ND	0.0639	0.0127		mg/Kg-dry	1	09/30/21 15:54:07
Surr: Decachlorobiphenyl	68.2	20.6 - 142			%Rec	1	09/30/21 15:54:07
Surr: Tetrachloro-m-xylene	77.9	22 - 157			%Rec	1	09/30/21 15:54:07
Total Metals by EPA Method 6020B				Batch ID: 33895			Analyst: EH
Arsenic	7.97	1.19	0.398	D	mg/Kg-dry	10	10/11/21 11:45:52
Lead	3.35	1.98	0.411	D	mg/Kg-dry	10	10/08/21 16:45:59
Sample Moisture (Percent Moisture)				Batch ID: R70231			Analyst: ALB
Percent Moisture	27.3	0.500	0.100		wt%	1	09/29/21 16:28:27

Analytical Report

Work Order: **2109508**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Collection Date: 9/29/2021 10:10:00 AM
Project: 8801 Excavations
Lab ID: 2109508-008
Matrix: Soil
Client Sample ID: **A5-SIDE9:3**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33895			Analyst: EH
Arsenic	5.86	1.13	0.378	D	mg/Kg-dry	10	10/11/21 11:51:26
Cadmium	1.81	1.88	0.0311	DJ	mg/Kg-dry	10	10/08/21 16:48:04
Chromium	24.9	3.76	1.23	D	mg/Kg-dry	10	10/08/21 16:48:04
Lead	192	1.88	0.391	D	mg/Kg-dry	10	10/08/21 16:48:04
Sample Moisture (Percent Moisture)				Batch ID: R70231			Analyst: ALB
Percent Moisture	13.5	0.500	0.100		wt%	1	09/29/21 16:28:27

Analytical Report

Work Order: **2109508**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Project: 8801 Excavations
Lab ID: 2109508-009
Client Sample ID: **A5-SIDE9:7**

Collection Date: 9/29/2021 10:12:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33899			Analyst: SB
Aroclor 1016	ND	0.0506	0.00816		mg/Kg-dry	1	10/01/21 8:48:25
Aroclor 1221	ND	0.0506	0.00816		mg/Kg-dry	1	10/01/21 8:48:25
Aroclor 1232	ND	0.0506	0.00816		mg/Kg-dry	1	10/01/21 8:48:25
Aroclor 1242	ND	0.0506	0.00816		mg/Kg-dry	1	10/01/21 8:48:25
Aroclor 1248	ND	0.0506	0.0101		mg/Kg-dry	1	10/01/21 8:48:25
Aroclor 1254	0.0459	0.0506	0.0101	J	mg/Kg-dry	1	10/01/21 8:48:25
Aroclor 1260	ND	0.0506	0.0101		mg/Kg-dry	1	10/01/21 8:48:25
Aroclor 1262	ND	0.0506	0.0101		mg/Kg-dry	1	10/01/21 8:48:25
Aroclor 1268	ND	0.0506	0.0101		mg/Kg-dry	1	10/01/21 8:48:25
Total PCBs	0.0459	0.0506	0.0101	J	mg/Kg-dry	1	10/01/21 8:48:25
Surr: Decachlorobiphenyl	64.4	20.6 - 142			%Rec	1	10/01/21 8:48:25
Surr: Tetrachloro-m-xylene	72.7	22 - 157			%Rec	1	10/01/21 8:48:25
Total Metals by EPA Method 6020B				Batch ID: 33895			Analyst: EH
Arsenic	4.61	1.09	0.365	D	mg/Kg-dry	10	10/11/21 11:57:01
Lead	131	1.82	0.378	D	mg/Kg-dry	10	10/08/21 16:50:09
Sample Moisture (Percent Moisture)				Batch ID: R70231			Analyst: ALB
Percent Moisture	11.3	0.500	0.100		wt%	1	09/29/21 16:28:27

Analytical Report

Work Order: **2109508**
Date Reported: **10/11/2021**

Client: Shannon & Wilson **Collection Date:** 9/29/2021 10:14:00 AM
Project: 8801 Excavations
Lab ID: 2109508-010 **Matrix:** Soil
Client Sample ID: **A5-SIDE17:2**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33895			Analyst: EH
Arsenic	10.3	1.34	0.448	D	mg/Kg-dry	10	10/11/21 12:02:36
Cadmium	0.400	2.23	0.0369	DJ	mg/Kg-dry	10	10/08/21 16:56:26
Chromium	28.3	4.46	1.46	D	mg/Kg-dry	10	10/08/21 16:56:26
Lead	41.3	2.23	0.464	D	mg/Kg-dry	10	10/08/21 16:56:26
Sample Moisture (Percent Moisture)				Batch ID: R70231			Analyst: ALB
Percent Moisture	28.3	0.500	0.100		wt%	1	09/29/21 16:28:27

Client: Shannon & Wilson **Collection Date:** 9/29/2021 10:30:00 AM
Project: 8801 Excavations
Lab ID: 2109508-011 **Matrix:** Soil
Client Sample ID: **A5-SIDE5:2**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33895			Analyst: EH
Arsenic	4.21	1.09	0.365	D	mg/Kg-dry	10	10/11/21 12:08:10
Cadmium	0.276	1.81	0.0300	DJ	mg/Kg-dry	10	10/08/21 16:58:31
Chromium	13.1	3.63	1.19	D	mg/Kg-dry	10	10/08/21 16:58:31
Lead	6.91	1.81	0.377	D	mg/Kg-dry	10	10/08/21 16:58:31
Sample Moisture (Percent Moisture)				Batch ID: R70231			Analyst: ALB
Percent Moisture	11.8	0.500	0.100		wt%	1	09/29/21 16:28:27

Analytical Report

Work Order: **2109508**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Collection Date: 9/29/2021 10:35:00 AM
Project: 8801 Excavations
Lab ID: 2109508-012
Matrix: Soil
Client Sample ID: **A5-SIDE5:6**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33899			Analyst: SB
Aroclor 1016	ND	0.0528	0.00851		mg/Kg-dry	1	09/30/21 16:13:35
Aroclor 1221	ND	0.0528	0.00851		mg/Kg-dry	1	09/30/21 16:13:35
Aroclor 1232	ND	0.0528	0.00851		mg/Kg-dry	1	09/30/21 16:13:35
Aroclor 1242	ND	0.0528	0.00851		mg/Kg-dry	1	09/30/21 16:13:35
Aroclor 1248	ND	0.0528	0.0105		mg/Kg-dry	1	09/30/21 16:13:35
Aroclor 1254	ND	0.0528	0.0105		mg/Kg-dry	1	09/30/21 16:13:35
Aroclor 1260	ND	0.0528	0.0105		mg/Kg-dry	1	09/30/21 16:13:35
Aroclor 1262	ND	0.0528	0.0105		mg/Kg-dry	1	09/30/21 16:13:35
Aroclor 1268	ND	0.0528	0.0105		mg/Kg-dry	1	09/30/21 16:13:35
Total PCBs	ND	0.0528	0.0105		mg/Kg-dry	1	09/30/21 16:13:35
Surr: Decachlorobiphenyl	51.7	20.6 - 142			%Rec	1	09/30/21 16:13:35
Surr: Tetrachloro-m-xylene	54.2	22 - 157			%Rec	1	09/30/21 16:13:35
Total Metals by EPA Method 6020B				Batch ID: 33895			Analyst: EH
Arsenic	3.70	1.13	0.378	DQ	mg/Kg-dry	10	10/08/21 17:00:36
Lead	2.04	1.88	0.391	D	mg/Kg-dry	10	10/08/21 17:00:36

NOTES:
Q - Associated calibration verification is above acceptance criteria. Result may be high-biased.

Sample Moisture (Percent Moisture)				Batch ID: R70231			Analyst: ALB
Percent Moisture	14.8	0.500	0.100		wt%	1	09/29/21 16:28:27

Analytical Report

Work Order: **2109508**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Collection Date: 9/29/2021 12:00:00 PM
Project: 8801 Excavations
Lab ID: 2109508-013
Matrix: Soil
Client Sample ID: **A3-SIDE7:2.5**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33899			Analyst: SB
Aroclor 1016	ND	0.0505	0.00813		mg/Kg-dry	1	10/01/21 8:58:11
Aroclor 1221	ND	0.0505	0.00813		mg/Kg-dry	1	10/01/21 8:58:11
Aroclor 1232	ND	0.0505	0.00813		mg/Kg-dry	1	10/01/21 8:58:11
Aroclor 1242	ND	0.0505	0.00813		mg/Kg-dry	1	10/01/21 8:58:11
Aroclor 1248	ND	0.0505	0.0100		mg/Kg-dry	1	10/01/21 8:58:11
Aroclor 1254	0.118	0.0505	0.0100		mg/Kg-dry	1	10/01/21 8:58:11
Aroclor 1260	ND	0.0505	0.0100		mg/Kg-dry	1	10/01/21 8:58:11
Aroclor 1262	ND	0.0505	0.0100		mg/Kg-dry	1	10/01/21 8:58:11
Aroclor 1268	ND	0.0505	0.0100		mg/Kg-dry	1	10/01/21 8:58:11
Total PCBs	0.118	0.0505	0.0100		mg/Kg-dry	1	10/01/21 8:58:11
Surr: Decachlorobiphenyl	70.0	20.6 - 142			%Rec	1	10/01/21 8:58:11
Surr: Tetrachloro-m-xylene	93.9	22 - 157			%Rec	1	10/01/21 8:58:11
Gasoline by NWTPH-Gx				Batch ID: 33894			Analyst: KT
Gasoline	ND	5.60	2.24		mg/Kg-dry	1	09/30/21 19:52:06
Surr: Toluene-d8	102	65 - 135			%Rec	1	09/30/21 19:52:06
Surr: 4-Bromofluorobenzene	95.4	65 - 135			%Rec	1	09/30/21 19:52:06
Total Metals by EPA Method 6020B				Batch ID: 33895			Analyst: EH
Copper	147	8.86	1.66	D	mg/Kg-dry	10	10/08/21 17:02:41
Sample Moisture (Percent Moisture)				Batch ID: R70231			Analyst: ALB
Percent Moisture	10.4	0.500	0.100		wt%	1	09/29/21 16:28:27

Analytical Report

Work Order: **2109508**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Project: 8801 Excavations
Lab ID: 2109508-014
Client Sample ID: **A3-SIDE7:5**

Collection Date: 9/29/2021 12:03:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33899			Analyst: SB
Aroclor 1016	ND	0.0463	0.00746		mg/Kg-dry	1	09/30/21 16:33:00
Aroclor 1221	ND	0.0463	0.00746		mg/Kg-dry	1	09/30/21 16:33:00
Aroclor 1232	ND	0.0463	0.00746		mg/Kg-dry	1	09/30/21 16:33:00
Aroclor 1242	ND	0.0463	0.00746		mg/Kg-dry	1	09/30/21 16:33:00
Aroclor 1248	ND	0.0463	0.00921		mg/Kg-dry	1	09/30/21 16:33:00
Aroclor 1254	ND	0.0463	0.00921		mg/Kg-dry	1	09/30/21 16:33:00
Aroclor 1260	ND	0.0463	0.00921		mg/Kg-dry	1	09/30/21 16:33:00
Aroclor 1262	ND	0.0463	0.00921		mg/Kg-dry	1	09/30/21 16:33:00
Aroclor 1268	ND	0.0463	0.00921		mg/Kg-dry	1	09/30/21 16:33:00
Total PCBs	ND	0.0463	0.00921		mg/Kg-dry	1	09/30/21 16:33:00
Surr: Decachlorobiphenyl	77.3	20.6 - 142			%Rec	1	09/30/21 16:33:00
Surr: Tetrachloro-m-xylene	79.1	22 - 157			%Rec	1	09/30/21 16:33:00
Gasoline by NWTPH-Gx				Batch ID: 33894			Analyst: KT
Gasoline	ND	6.16	2.46		mg/Kg-dry	1	09/30/21 20:52:22
Surr: Toluene-d8	102	65 - 135			%Rec	1	09/30/21 20:52:22
Surr: 4-Bromofluorobenzene	93.3	65 - 135			%Rec	1	09/30/21 20:52:22
Total Metals by EPA Method 6020B				Batch ID: 33895			Analyst: EH
Copper	12.7	8.19	1.53	D	mg/Kg-dry	10	10/08/21 17:04:45
Sample Moisture (Percent Moisture)				Batch ID: R70231			Analyst: ALB
Percent Moisture	7.52	0.500	0.100		wt%	1	09/29/21 16:28:27

Analytical Report

Work Order: **2109508**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Collection Date: 9/29/2021 11:54:00 AM
Project: 8801 Excavations
Lab ID: 2109508-015
Matrix: Soil
Client Sample ID: **A3-SIDE6:2.5**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33916			Analyst: SB
Aroclor 1016	ND	0.0712	0.0115		mg/Kg-dry	1	10/01/21 13:33:43
Aroclor 1221	ND	0.0712	0.0115		mg/Kg-dry	1	10/01/21 13:33:43
Aroclor 1232	ND	0.0712	0.0115		mg/Kg-dry	1	10/01/21 13:33:43
Aroclor 1242	ND	0.0712	0.0115		mg/Kg-dry	1	10/01/21 13:33:43
Aroclor 1248	ND	0.0712	0.0142		mg/Kg-dry	1	10/01/21 13:33:43
Aroclor 1254	0.0345	0.0712	0.0142	J	mg/Kg-dry	1	10/01/21 13:33:43
Aroclor 1260	ND	0.0712	0.0142		mg/Kg-dry	1	10/01/21 13:33:43
Aroclor 1262	ND	0.0712	0.0142		mg/Kg-dry	1	10/01/21 13:33:43
Aroclor 1268	ND	0.0712	0.0142		mg/Kg-dry	1	10/01/21 13:33:43
Total PCBs	0.0345	0.0712	0.0142	J	mg/Kg-dry	1	10/01/21 13:33:43
Surr: Decachlorobiphenyl	51.5	20.6 - 142			%Rec	1	10/01/21 13:33:43
Surr: Tetrachloro-m-xylene	50.7	22 - 157			%Rec	1	10/01/21 13:33:43
Gasoline by NWTPH-Gx				Batch ID: 33894			Analyst: KT
Gasoline	ND	100	40.1	D	mg/Kg-dry	10	10/01/21 6:42:47
Gasoline Range Organics (C6-C12)	370	100	15.4	D	mg/Kg-dry	10	10/01/21 6:42:47
Surr: Toluene-d8	99.7	65 - 135		D	%Rec	10	10/01/21 6:42:47
Surr: 4-Bromofluorobenzene	129	65 - 135		D	%Rec	10	10/01/21 6:42:47
Total Metals by EPA Method 6020B				Batch ID: 33895			Analyst: EH
Copper	203	11.7	2.19	D	mg/Kg-dry	10	10/08/21 17:11:02
Sample Moisture (Percent Moisture)				Batch ID: R70231			Analyst: ALB
Percent Moisture	35.8	0.500	0.100		wt%	1	09/29/21 16:28:27

NOTES:
GRO - Indicates the presence of unresolved compounds in the gasoline range.

Analytical Report

Work Order: **2109508**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Project: 8801 Excavations
Lab ID: 2109508-016
Client Sample ID: **A3-SIDE6:5**

Collection Date: 9/29/2021 11:57:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33899			Analyst: SB
Aroclor 1016	ND	0.0554	0.00892		mg/Kg-dry	1	09/30/21 16:52:29
Aroclor 1221	ND	0.0554	0.00892		mg/Kg-dry	1	09/30/21 16:52:29
Aroclor 1232	ND	0.0554	0.00892		mg/Kg-dry	1	09/30/21 16:52:29
Aroclor 1242	ND	0.0554	0.00892		mg/Kg-dry	1	09/30/21 16:52:29
Aroclor 1248	ND	0.0554	0.0110		mg/Kg-dry	1	09/30/21 16:52:29
Aroclor 1254	ND	0.0554	0.0110		mg/Kg-dry	1	09/30/21 16:52:29
Aroclor 1260	ND	0.0554	0.0110		mg/Kg-dry	1	09/30/21 16:52:29
Aroclor 1262	ND	0.0554	0.0110		mg/Kg-dry	1	09/30/21 16:52:29
Aroclor 1268	ND	0.0554	0.0110		mg/Kg-dry	1	09/30/21 16:52:29
Total PCBs	ND	0.0554	0.0110		mg/Kg-dry	1	09/30/21 16:52:29
Surr: Decachlorobiphenyl	64.2	20.6 - 142			%Rec	1	09/30/21 16:52:29
Surr: Tetrachloro-m-xylene	83.4	22 - 157			%Rec	1	09/30/21 16:52:29
Gasoline by NWTPH-Gx				Batch ID: 33894			Analyst: KT
Gasoline	ND	7.05	2.82		mg/Kg-dry	1	09/30/21 21:52:38
Gasoline Range Organics (C6-C12)	129	7.05	1.09		mg/Kg-dry	1	09/30/21 21:52:38
Surr: Toluene-d8	102	65 - 135			%Rec	1	09/30/21 21:52:38
Surr: 4-Bromofluorobenzene	95.4	65 - 135			%Rec	1	09/30/21 21:52:38

NOTES:
GRO - Indicates the presence of unresolved compounds in the gasoline range.

Total Metals by EPA Method 6020B				Batch ID: 33895			Analyst: EH
Copper	35.1	10.1	1.89	D	mg/Kg-dry	10	10/08/21 17:13:07
Sample Moisture (Percent Moisture)				Batch ID: R70231			Analyst: ALB
Percent Moisture	20.0	0.500	0.100		wt%	1	09/29/21 16:28:27

Analytical Report

Work Order: **2109508**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Project: 8801 Excavations
Lab ID: 2109508-017
Client Sample ID: **A3-SIDE5:2.5**

Collection Date: 9/29/2021 11:48:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33899			Analyst: SB
Aroclor 1016	ND	0.0523	0.00843		mg/Kg-dry	1	09/30/21 17:02:16
Aroclor 1221	ND	0.0523	0.00843		mg/Kg-dry	1	09/30/21 17:02:16
Aroclor 1232	ND	0.0523	0.00843		mg/Kg-dry	1	09/30/21 17:02:16
Aroclor 1242	ND	0.0523	0.00843		mg/Kg-dry	1	09/30/21 17:02:16
Aroclor 1248	ND	0.0523	0.0104		mg/Kg-dry	1	09/30/21 17:02:16
Aroclor 1254	ND	0.0523	0.0104		mg/Kg-dry	1	09/30/21 17:02:16
Aroclor 1260	ND	0.0523	0.0104		mg/Kg-dry	1	09/30/21 17:02:16
Aroclor 1262	ND	0.0523	0.0104		mg/Kg-dry	1	09/30/21 17:02:16
Aroclor 1268	ND	0.0523	0.0104		mg/Kg-dry	1	09/30/21 17:02:16
Total PCBs	ND	0.0523	0.0104		mg/Kg-dry	1	09/30/21 17:02:16
Surr: Decachlorobiphenyl	67.7	20.6 - 142			%Rec	1	09/30/21 17:02:16
Surr: Tetrachloro-m-xylene	58.6	22 - 157			%Rec	1	09/30/21 17:02:16
Gasoline by NWTPH-Gx				Batch ID: 33894			Analyst: KT
Gasoline	ND	5.00	2.00		mg/Kg-dry	1	09/30/21 22:52:50
Gasoline Range Organics (C6-C12)	51.5	5.00	0.770		mg/Kg-dry	1	09/30/21 22:52:50
Surr: Toluene-d8	102	65 - 135			%Rec	1	09/30/21 22:52:50
Surr: 4-Bromofluorobenzene	97.8	65 - 135			%Rec	1	09/30/21 22:52:50

NOTES:
GRO - Indicates the presence of unresolved compounds in the gasoline range.

Total Metals by EPA Method 6020B				Batch ID: 33895			Analyst: EH
Copper	128	8.49	1.59	D	mg/Kg-dry	10	10/08/21 17:15:12
Sample Moisture (Percent Moisture)				Batch ID: R70231			Analyst: ALB
Percent Moisture	9.43	0.500	0.100		wt%	1	09/29/21 16:28:27

Analytical Report

Work Order: **2109508**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Project: 8801 Excavations
Lab ID: 2109508-018
Client Sample ID: **A3-SIDE5:5**

Collection Date: 9/29/2021 11:51:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33899			Analyst: SB
Aroclor 1016	ND	0.0528	0.00850		mg/Kg-dry	1	09/30/21 17:11:59
Aroclor 1221	ND	0.0528	0.00850		mg/Kg-dry	1	09/30/21 17:11:59
Aroclor 1232	ND	0.0528	0.00850		mg/Kg-dry	1	09/30/21 17:11:59
Aroclor 1242	ND	0.0528	0.00850		mg/Kg-dry	1	09/30/21 17:11:59
Aroclor 1248	ND	0.0528	0.0105		mg/Kg-dry	1	09/30/21 17:11:59
Aroclor 1254	ND	0.0528	0.0105		mg/Kg-dry	1	09/30/21 17:11:59
Aroclor 1260	ND	0.0528	0.0105		mg/Kg-dry	1	09/30/21 17:11:59
Aroclor 1262	ND	0.0528	0.0105		mg/Kg-dry	1	09/30/21 17:11:59
Aroclor 1268	ND	0.0528	0.0105		mg/Kg-dry	1	09/30/21 17:11:59
Total PCBs	ND	0.0528	0.0105		mg/Kg-dry	1	09/30/21 17:11:59
Surr: Decachlorobiphenyl	67.0	20.6 - 142			%Rec	1	09/30/21 17:11:59
Surr: Tetrachloro-m-xylene	69.8	22 - 157			%Rec	1	09/30/21 17:11:59
Gasoline by NWTPH-Gx				Batch ID: 33894			Analyst: KT
Gasoline	6.09	7.10	2.83	J	mg/Kg-dry	1	09/30/21 23:22:57
Surr: Toluene-d8	103	65 - 135			%Rec	1	09/30/21 23:22:57
Surr: 4-Bromofluorobenzene	101	65 - 135			%Rec	1	09/30/21 23:22:57
Total Metals by EPA Method 6020B				Batch ID: 33895			Analyst: EH
Copper	17.1	8.96	1.68	D	mg/Kg-dry	10	10/08/21 17:17:17
Sample Moisture (Percent Moisture)				Batch ID: R70231			Analyst: ALB
Percent Moisture	10.0	0.500	0.100		wt%	1	09/29/21 16:28:27

Analytical Report

Work Order: **2109508**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Project: 8801 Excavations
Lab ID: 2109508-019
Client Sample ID: **A3-SIDE4:2.5**

Collection Date: 9/29/2021 11:40:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33899			Analyst: SB
Aroclor 1016	ND	0.0560	0.00902		mg/Kg-dry	1	09/30/21 17:21:47
Aroclor 1221	ND	0.0560	0.00902		mg/Kg-dry	1	09/30/21 17:21:47
Aroclor 1232	ND	0.0560	0.00902		mg/Kg-dry	1	09/30/21 17:21:47
Aroclor 1242	ND	0.0560	0.00902		mg/Kg-dry	1	09/30/21 17:21:47
Aroclor 1248	ND	0.0560	0.0111		mg/Kg-dry	1	09/30/21 17:21:47
Aroclor 1254	ND	0.0560	0.0111		mg/Kg-dry	1	09/30/21 17:21:47
Aroclor 1260	ND	0.0560	0.0111		mg/Kg-dry	1	09/30/21 17:21:47
Aroclor 1262	ND	0.0560	0.0111		mg/Kg-dry	1	09/30/21 17:21:47
Aroclor 1268	ND	0.0560	0.0111		mg/Kg-dry	1	09/30/21 17:21:47
Total PCBs	ND	0.0560	0.0111		mg/Kg-dry	1	09/30/21 17:21:47
Surr: Decachlorobiphenyl	26.2	20.6 - 142			%Rec	1	09/30/21 17:21:47
Surr: Tetrachloro-m-xylene	25.3	22 - 157			%Rec	1	09/30/21 17:21:47
Gasoline by NWTPH-Gx				Batch ID: 33894			Analyst: KT
Gasoline	ND	6.52	2.60		mg/Kg-dry	1	09/30/21 23:53:05
Gasoline Range Organics (C6-C12)	99.4	6.52	1.00		mg/Kg-dry	1	09/30/21 23:53:05
Surr: Toluene-d8	102	65 - 135			%Rec	1	09/30/21 23:53:05
Surr: 4-Bromofluorobenzene	97.0	65 - 135			%Rec	1	09/30/21 23:53:05

NOTES:
GRO - Indicates the presence of unresolved compounds in the gasoline range.

Total Metals by EPA Method 6020B				Batch ID: 33895			Analyst: EH
Copper	39.6	9.76	1.83	D	mg/Kg-dry	10	10/08/21 17:19:22
Sample Moisture (Percent Moisture)				Batch ID: R70231			Analyst: ALB
Percent Moisture	16.7	0.500	0.100		wt%	1	09/29/21 16:28:27

Analytical Report

Work Order: **2109508**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Collection Date: 9/29/2021 11:45:00 AM
Project: 8801 Excavations
Lab ID: 2109508-020
Matrix: Soil
Client Sample ID: **A3-SIDE4:5**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33899			Analyst: SB
Aroclor 1016	ND	0.0634	0.0102		mg/Kg-dry	1	09/30/21 17:31:31
Aroclor 1221	ND	0.0634	0.0102		mg/Kg-dry	1	09/30/21 17:31:31
Aroclor 1232	ND	0.0634	0.0102		mg/Kg-dry	1	09/30/21 17:31:31
Aroclor 1242	ND	0.0634	0.0102		mg/Kg-dry	1	09/30/21 17:31:31
Aroclor 1248	ND	0.0634	0.0126		mg/Kg-dry	1	09/30/21 17:31:31
Aroclor 1254	ND	0.0634	0.0126		mg/Kg-dry	1	09/30/21 17:31:31
Aroclor 1260	ND	0.0634	0.0126		mg/Kg-dry	1	09/30/21 17:31:31
Aroclor 1262	ND	0.0634	0.0126		mg/Kg-dry	1	09/30/21 17:31:31
Aroclor 1268	ND	0.0634	0.0126		mg/Kg-dry	1	09/30/21 17:31:31
Total PCBs	ND	0.0634	0.0126		mg/Kg-dry	1	09/30/21 17:31:31
Surr: Decachlorobiphenyl	53.3	20.6 - 142			%Rec	1	09/30/21 17:31:31
Surr: Tetrachloro-m-xylene	73.1	22 - 157			%Rec	1	09/30/21 17:31:31
Gasoline by NWTPH-Gx				Batch ID: 33894			Analyst: KT
Gasoline	38.2	7.61	3.04		mg/Kg-dry	1	10/01/21 0:23:14
Surr: Toluene-d8	102	65 - 135			%Rec	1	10/01/21 0:23:14
Surr: 4-Bromofluorobenzene	107	65 - 135			%Rec	1	10/01/21 0:23:14
Total Metals by EPA Method 6020B				Batch ID: 33895			Analyst: EH
Copper	29.7	10.6	1.98	D	mg/Kg-dry	10	10/08/21 17:25:39
Sample Moisture (Percent Moisture)				Batch ID: R70241			Analyst: MCH
Percent Moisture	34.0	0.500	0.100		wt%	1	09/30/21 9:45:43

Analytical Report

Work Order: **2109508**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Collection Date: 9/29/2021 11:45:00 AM
Project: 8801 Excavations
Lab ID: 2109508-021
Matrix: Soil
Client Sample ID: **A3-SIDE101:5**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33899			Analyst: SB
Aroclor 1016	ND	0.0490	0.00789		mg/Kg-dry	1	09/30/21 17:41:16
Aroclor 1221	ND	0.0490	0.00789		mg/Kg-dry	1	09/30/21 17:41:16
Aroclor 1232	ND	0.0490	0.00789		mg/Kg-dry	1	09/30/21 17:41:16
Aroclor 1242	ND	0.0490	0.00789		mg/Kg-dry	1	09/30/21 17:41:16
Aroclor 1248	ND	0.0490	0.00973		mg/Kg-dry	1	09/30/21 17:41:16
Aroclor 1254	ND	0.0490	0.00973		mg/Kg-dry	1	09/30/21 17:41:16
Aroclor 1260	ND	0.0490	0.00973		mg/Kg-dry	1	09/30/21 17:41:16
Aroclor 1262	ND	0.0490	0.00973		mg/Kg-dry	1	09/30/21 17:41:16
Aroclor 1268	ND	0.0490	0.00973		mg/Kg-dry	1	09/30/21 17:41:16
Total PCBs	ND	0.0490	0.00973		mg/Kg-dry	1	09/30/21 17:41:16
Surr: Decachlorobiphenyl	64.5	20.6 - 142			%Rec	1	09/30/21 17:41:16
Surr: Tetrachloro-m-xylene	63.8	22 - 157			%Rec	1	09/30/21 17:41:16
Gasoline by NWTPH-Gx				Batch ID: 33894			Analyst: KT
Gasoline	19.8	6.44	2.57		mg/Kg-dry	1	10/01/21 0:53:24
Surr: Toluene-d8	102	65 - 135			%Rec	1	10/01/21 0:53:24
Surr: 4-Bromofluorobenzene	95.9	65 - 135			%Rec	1	10/01/21 0:53:24
Total Metals by EPA Method 6020B				Batch ID: 33897			Analyst: EH
Copper	11.7	0.838	0.157		mg/Kg-dry	1	10/08/21 17:48:35
Sample Moisture (Percent Moisture)				Batch ID: R70241			Analyst: MCH
Percent Moisture	9.63	0.500	0.100		wt%	1	09/30/21 9:45:43

Analytical Report

Work Order: **2109508**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Project: 8801 Excavations
Lab ID: 2109508-022
Client Sample ID: **A3-BOT24:6**

Collection Date: 9/29/2021 12:06:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33899			Analyst: SB
Aroclor 1016	ND	0.0806	0.0130		mg/Kg-dry	1	09/30/21 17:51:01
Aroclor 1221	ND	0.0806	0.0130		mg/Kg-dry	1	09/30/21 17:51:01
Aroclor 1232	ND	0.0806	0.0130		mg/Kg-dry	1	09/30/21 17:51:01
Aroclor 1242	ND	0.0806	0.0130		mg/Kg-dry	1	09/30/21 17:51:01
Aroclor 1248	ND	0.0806	0.0160		mg/Kg-dry	1	09/30/21 17:51:01
Aroclor 1254	ND	0.0806	0.0160		mg/Kg-dry	1	09/30/21 17:51:01
Aroclor 1260	ND	0.0806	0.0160		mg/Kg-dry	1	09/30/21 17:51:01
Aroclor 1262	ND	0.0806	0.0160		mg/Kg-dry	1	09/30/21 17:51:01
Aroclor 1268	ND	0.0806	0.0160		mg/Kg-dry	1	09/30/21 17:51:01
Total PCBs	ND	0.0806	0.0160		mg/Kg-dry	1	09/30/21 17:51:01
Surr: Decachlorobiphenyl	38.0	20.6 - 142			%Rec	1	09/30/21 17:51:01
Surr: Tetrachloro-m-xylene	51.5	22 - 157			%Rec	1	09/30/21 17:51:01
Gasoline by NWTPH-Gx				Batch ID: 33894			Analyst: KT
Gasoline	ND	7.25	2.89		mg/Kg-dry	1	10/01/21 1:23:31
Surr: Toluene-d8	101	65 - 135			%Rec	1	10/01/21 1:23:31
Surr: 4-Bromofluorobenzene	96.9	65 - 135			%Rec	1	10/01/21 1:23:31
Total Metals by EPA Method 6020B				Batch ID: 33897			Analyst: EH
Copper	45.8	1.31	0.245		mg/Kg-dry	1	10/08/21 17:34:00
Sample Moisture (Percent Moisture)				Batch ID: R70241			Analyst: MCH
Percent Moisture	39.4	0.500	0.100		wt%	1	09/30/21 9:45:43

Analytical Report

Work Order: **2109508**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Project: 8801 Excavations
Lab ID: 2109508-023
Client Sample ID: **A3-BOT25:6**

Collection Date: 9/29/2021 12:09:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33899			Analyst: SB
Aroclor 1016	ND	0.0580	0.00934		mg/Kg-dry	1	09/30/21 18:00:45
Aroclor 1221	ND	0.0580	0.00934		mg/Kg-dry	1	09/30/21 18:00:45
Aroclor 1232	ND	0.0580	0.00934		mg/Kg-dry	1	09/30/21 18:00:45
Aroclor 1242	ND	0.0580	0.00934		mg/Kg-dry	1	09/30/21 18:00:45
Aroclor 1248	ND	0.0580	0.0115		mg/Kg-dry	1	09/30/21 18:00:45
Aroclor 1254	ND	0.0580	0.0115		mg/Kg-dry	1	09/30/21 18:00:45
Aroclor 1260	ND	0.0580	0.0115		mg/Kg-dry	1	09/30/21 18:00:45
Aroclor 1262	ND	0.0580	0.0115		mg/Kg-dry	1	09/30/21 18:00:45
Aroclor 1268	ND	0.0580	0.0115		mg/Kg-dry	1	09/30/21 18:00:45
Total PCBs	ND	0.0580	0.0115		mg/Kg-dry	1	09/30/21 18:00:45
Surr: Decachlorobiphenyl	36.7	20.6 - 142			%Rec	1	09/30/21 18:00:45
Surr: Tetrachloro-m-xylene	36.4	22 - 157			%Rec	1	09/30/21 18:00:45
Gasoline by NWTPH-Gx				Batch ID: 33894			Analyst: KT
Gasoline	3.85	7.31	2.92	J	mg/Kg-dry	1	10/01/21 1:53:40
Surr: Toluene-d8	102	65 - 135			%Rec	1	10/01/21 1:53:40
Surr: 4-Bromofluorobenzene	100	65 - 135			%Rec	1	10/01/21 1:53:40
Total Metals by EPA Method 6020B				Batch ID: 33897			Analyst: EH
Copper	29.9	0.932	0.174		mg/Kg-dry	1	10/08/21 17:54:52
Sample Moisture (Percent Moisture)				Batch ID: R70241			Analyst: MCH
Percent Moisture	17.5	0.500	0.100		wt%	1	09/30/21 9:45:43

Analytical Report

Work Order: **2109508**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Project: 8801 Excavations
Lab ID: 2109508-024
Client Sample ID: **A3-BOT26:6**

Collection Date: 9/29/2021 12:12:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33916			Analyst: SB
Aroclor 1016	ND	0.0682	0.0110		mg/Kg-dry	1	10/01/21 13:43:28
Aroclor 1221	ND	0.0682	0.0110		mg/Kg-dry	1	10/01/21 13:43:28
Aroclor 1232	ND	0.0682	0.0110		mg/Kg-dry	1	10/01/21 13:43:28
Aroclor 1242	ND	0.0682	0.0110		mg/Kg-dry	1	10/01/21 13:43:28
Aroclor 1248	ND	0.0682	0.0136		mg/Kg-dry	1	10/01/21 13:43:28
Aroclor 1254	ND	0.0682	0.0136		mg/Kg-dry	1	10/01/21 13:43:28
Aroclor 1260	ND	0.0682	0.0136		mg/Kg-dry	1	10/01/21 13:43:28
Aroclor 1262	ND	0.0682	0.0136		mg/Kg-dry	1	10/01/21 13:43:28
Aroclor 1268	ND	0.0682	0.0136		mg/Kg-dry	1	10/01/21 13:43:28
Total PCBs	ND	0.0682	0.0136		mg/Kg-dry	1	10/01/21 13:43:28
Surr: Decachlorobiphenyl	56.8	20.6 - 142			%Rec	1	10/01/21 13:43:28
Surr: Tetrachloro-m-xylene	61.5	22 - 157			%Rec	1	10/01/21 13:43:28
Gasoline by NWTPH-Gx				Batch ID: 33894			Analyst: KT
Gasoline	ND	7.44	2.97		mg/Kg-dry	1	10/01/21 2:23:48
Surr: Toluene-d8	102	65 - 135			%Rec	1	10/01/21 2:23:48
Surr: 4-Bromofluorobenzene	96.5	65 - 135			%Rec	1	10/01/21 2:23:48
Total Metals by EPA Method 6020B				Batch ID: 33897			Analyst: EH
Copper	24.1	1.07	0.199		mg/Kg-dry	1	10/08/21 17:56:57
Sample Moisture (Percent Moisture)				Batch ID: R70241			Analyst: MCH
Percent Moisture	28.9	0.500	0.100		wt%	1	09/30/21 9:45:43

Analytical Report

Work Order: **2109508**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Collection Date: 9/29/2021 12:15:00 PM
Project: 8801 Excavations
Lab ID: 2109508-025
Matrix: Soil
Client Sample ID: **A3-BOT27:6**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33916			Analyst: SB
Aroclor 1016	ND	0.0613	0.00987		mg/Kg-dry	1	10/01/21 13:53:12
Aroclor 1221	ND	0.0613	0.00987		mg/Kg-dry	1	10/01/21 13:53:12
Aroclor 1232	ND	0.0613	0.00987		mg/Kg-dry	1	10/01/21 13:53:12
Aroclor 1242	ND	0.0613	0.00987		mg/Kg-dry	1	10/01/21 13:53:12
Aroclor 1248	ND	0.0613	0.0122		mg/Kg-dry	1	10/01/21 13:53:12
Aroclor 1254	ND	0.0613	0.0122		mg/Kg-dry	1	10/01/21 13:53:12
Aroclor 1260	ND	0.0613	0.0122		mg/Kg-dry	1	10/01/21 13:53:12
Aroclor 1262	ND	0.0613	0.0122		mg/Kg-dry	1	10/01/21 13:53:12
Aroclor 1268	ND	0.0613	0.0122		mg/Kg-dry	1	10/01/21 13:53:12
Total PCBs	ND	0.0613	0.0122		mg/Kg-dry	1	10/01/21 13:53:12
Surr: Decachlorobiphenyl	45.3	20.6 - 142			%Rec	1	10/01/21 13:53:12
Surr: Tetrachloro-m-xylene	54.5	22 - 157			%Rec	1	10/01/21 13:53:12
Gasoline by NWTPH-Gx				Batch ID: 33894			Analyst: KT
Gasoline	2.97	7.33	2.93	J	mg/Kg-dry	1	10/01/21 2:53:55
Surr: Toluene-d8	101	65 - 135			%Rec	1	10/01/21 2:53:55
Surr: 4-Bromofluorobenzene	99.5	65 - 135			%Rec	1	10/01/21 2:53:55
Total Metals by EPA Method 6020B				Batch ID: 33897			Analyst: EH
Copper	22.2	1.08	0.202		mg/Kg-dry	1	10/08/21 17:59:01
Sample Moisture (Percent Moisture)				Batch ID: R70241			Analyst: MCH
Percent Moisture	26.5	0.500	0.100		wt%	1	09/30/21 9:45:43

Analytical Report

Work Order: **2109508**
Date Reported: **10/11/2021**

Client: Shannon & Wilson
Collection Date: 9/29/2021 1:15:00 PM
Project: 8801 Excavations
Lab ID: 2109508-026
Matrix: Soil
Client Sample ID: **TRIP-20210929**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 33894			Analyst: KT
Gasoline	ND	5.00	2.00		mg/Kg	1	09/30/21 19:22:00
Surr: Toluene-d8	103	65 - 135			%Rec	1	09/30/21 19:22:00
Surr: 4-Bromofluorobenzene	94.3	65 - 135			%Rec	1	09/30/21 19:22:00

Work Order: 2109508
CLIENT: Shannon & Wilson
Project: 8801 Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **ICB-33895**	SampType: **ICB**	Units: **µg/L**	Prep Date: **10/8/2021**	RunNo: **70345**
Client ID: **ICB**	Batch ID: **33895**		Analysis Date: **10/8/2021**	SeqNo: **1429535**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Copper	ND	10.0									
Lead	ND	2.00									

Sample ID: **ICB-33897**	SampType: **ICB**	Units: **µg/L**	Prep Date: **10/8/2021**	RunNo: **70450**
Client ID: **ICB**	Batch ID: **33897**		Analysis Date: **10/8/2021**	SeqNo: **1430103**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICV-33895**	SampType: **ICV**	Units: **µg/L**	Prep Date: **10/8/2021**	RunNo: **70345**
Client ID: **ICV**	Batch ID: **33895**		Analysis Date: **10/8/2021**	SeqNo: **1429536**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	109	1.20	100.0	0	109	90	110				
Cadmium	5.15	2.00	5.000	0	103	90	110				
Chromium	103	4.00	100.0	0	103	90	110				
Copper	101	10.0	100.0	0	101	90	110				
Lead	48.9	2.00	50.00	0	97.7	90	110				

Sample ID: **ICV-33897**	SampType: **ICV**	Units: **µg/L**	Prep Date: **10/8/2021**	RunNo: **70450**
Client ID: **ICV**	Batch ID: **33897**		Analysis Date: **10/8/2021**	SeqNo: **1430104**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	101	10.0	100.0	0	101	90	110				

Work Order: 2109508
CLIENT: Shannon & Wilson
Project: 8801 Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **MB-33895**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **9/30/2021**		RunNo: **70345**			
Client ID: **MBLKS**	Batch ID: **33895**					Analysis Date: **10/8/2021**		SeqNo: **1429542**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.0595	0.0851									J
Cadmium	0.00270	0.142									J
Chromium	ND	0.284									
Copper	ND	0.709									
Lead	ND	0.142									

Sample ID: **LCS-33895**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **9/30/2021**		RunNo: **70345**			
Client ID: **LCSS**	Batch ID: **33895**					Analysis Date: **10/8/2021**		SeqNo: **1429543**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	34.3	0.0833	34.72	0	98.8	80	120				
Cadmium	1.80	0.139	1.736	0	104	80	120				
Chromium	35.6	0.278	34.72	0	103	80	120				
Copper	35.0	0.694	34.72	0	101	80	120				
Lead	17.5	0.139	17.36	0	101	80	120				

Sample ID: **2109508-004AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **9/30/2021**		RunNo: **70345**			
Client ID: **A5-SIDE7:3**	Batch ID: **33895**					Analysis Date: **10/8/2021**		SeqNo: **1429546**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	58.2	0.119	49.79	5.445	106	75	125				
Cadmium	2.87	0.199	2.490	0.09697	111	75	125				
Chromium	84.2	0.398	49.79	22.43	124	75	125				
Copper	81.0	0.996	49.79	25.86	111	75	125				
Lead	33.1	0.199	24.90	7.742	102	75	125				

Work Order: 2109508
CLIENT: Shannon & Wilson
Project: 8801 Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-33895A** SampType: **CCV** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70345**
Client ID: **CCV** Batch ID: **33895** Analysis Date: **10/8/2021** SeqNo: **1429547**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	106	1.20	100.0	0	106	90	110				
Cadmium	4.97	2.00	5.000	0	99.3	90	110				
Chromium	97.2	4.00	100.0	0	97.2	90	110				
Copper	100	10.0	100.0	0	100	90	110				
Lead	50.2	2.00	50.00	0	100	90	110				

Sample ID: **CCB-33895A** SampType: **CCB** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70345**
Client ID: **CCB** Batch ID: **33895** Analysis Date: **10/8/2021** SeqNo: **1429548**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Copper	ND	10.0									
Lead	ND	2.00									

Sample ID: **2109508-004AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/30/2021** RunNo: **70345**
Client ID: **A5-SIDE7:3** Batch ID: **33895** Analysis Date: **10/8/2021** SeqNo: **1429549**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	52.5	0.119	49.79	5.445	94.5	75	125	58.21	10.4	20	
Cadmium	2.54	0.199	2.490	0.09697	98.0	75	125	2.871	12.4	20	
Chromium	71.4	0.398	49.79	22.43	98.3	75	125	84.25	16.5	20	
Copper	71.5	0.996	49.79	25.86	91.6	75	125	80.98	12.5	20	
Lead	30.7	0.199	24.90	7.742	92.2	75	125	33.08	7.51	20	

Work Order: 2109508
CLIENT: Shannon & Wilson
Project: 8801 Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-33895B** SampType: **CCV** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70345**
Client ID: **CCV** Batch ID: **33895** Analysis Date: **10/8/2021** SeqNo: **1429554**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	111	1.20	100.0	0	111	90	110				S
Cadmium	5.33	2.00	5.000	0	107	90	110				
Chromium	105	4.00	100.0	0	105	90	110				
Copper	103	10.0	100.0	0	103	90	110				
Lead	51.0	2.00	50.00	0	102	90	110				

NOTES:
S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Sample ID: **CCB-33895B** SampType: **CCB** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70345**
Client ID: **CCB** Batch ID: **33895** Analysis Date: **10/8/2021** SeqNo: **1429555**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Copper	ND	10.0									
Lead	ND	2.00									

Sample ID: **CCV-33895C** SampType: **CCV** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70345**
Client ID: **CCV** Batch ID: **33895** Analysis Date: **10/8/2021** SeqNo: **1429561**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	111	1.20	100.0	0	111	90	110				S
Cadmium	5.30	2.00	5.000	0	106	90	110				
Chromium	103	4.00	100.0	0	103	90	110				
Copper	101	10.0	100.0	0	101	90	110				
Lead	50.7	2.00	50.00	0	101	90	110				

NOTES:
S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Work Order: 2109508
CLIENT: Shannon & Wilson
Project: 8801 Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCB-33895C** SampType: **CCB** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70345**
Client ID: **CCB** Batch ID: **33895** Analysis Date: **10/8/2021** SeqNo: **1429562**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Copper	ND	10.0									
Lead	ND	2.00									

Sample ID: **CCV-33895D** SampType: **CCV** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70345**
Client ID: **CCV** Batch ID: **33895** Analysis Date: **10/8/2021** SeqNo: **1429568**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	113	1.20	100.0	0	113	90	110				S
Cadmium	5.40	2.00	5.000	0	108	90	110				
Chromium	106	4.00	100.0	0	106	90	110				
Copper	104	10.0	100.0	0	104	90	110				
Lead	51.6	2.00	50.00	0	103	90	110				

NOTES:
S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Sample ID: **CCB-33895D** SampType: **CCB** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70345**
Client ID: **CCB** Batch ID: **33895** Analysis Date: **10/8/2021** SeqNo: **1429569**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Copper	ND	10.0									
Lead	ND	2.00									

Work Order: 2109508
CLIENT: Shannon & Wilson
Project: 8801 Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-33895E** SampType: **CCV** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70345**
Client ID: **CCV** Batch ID: **33895** Analysis Date: **10/8/2021** SeqNo: **1429575**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	110	1.20	100.0	0	110	90	110				
Cadmium	5.43	2.00	5.000	0	109	90	110				
Chromium	101	4.00	100.0	0	101	90	110				
Copper	98.7	10.0	100.0	0	98.7	90	110				
Lead	49.9	2.00	50.00	0	99.8	90	110				

Sample ID: **CCV-33897A** SampType: **CCV** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70450**
Client ID: **CCV** Batch ID: **33897** Analysis Date: **10/8/2021** SeqNo: **1430143**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	98.7	10.0	100.0	0	98.7	90	110				

Sample ID: **CCB-33895E** SampType: **CCB** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70345**
Client ID: **CCB** Batch ID: **33895** Analysis Date: **10/8/2021** SeqNo: **1429576**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Copper	ND	10.0									
Lead	ND	2.00									

Sample ID: **CCB-33897A** SampType: **CCB** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70450**
Client ID: **CCB** Batch ID: **33897** Analysis Date: **10/8/2021** SeqNo: **1430144**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Work Order: 2109508
CLIENT: Shannon & Wilson
Project: 8801 Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **MB-33897**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **9/30/2021**		RunNo: **70450**		
Client ID: **MBLKS**	Batch ID: **33897**					Analysis Date: **10/8/2021**		SeqNo: **1430146**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.806									

Sample ID: **LCS-33897**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **9/30/2021**		RunNo: **70450**		
Client ID: **LCSS**	Batch ID: **33897**					Analysis Date: **10/8/2021**		SeqNo: **1430147**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	41.4	0.787	39.37	0	105	80	120				

Sample ID: **CCV-33895F**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/8/2021**		RunNo: **70345**		
Client ID: **CCV**	Batch ID: **33895**					Analysis Date: **10/8/2021**		SeqNo: **1429581**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	113	1.20	100.0	0	113	90	110				S
Cadmium	5.45	2.00	5.000	0	109	90	110				
Chromium	105	4.00	100.0	0	105	90	110				
Copper	105	10.0	100.0	0	105	90	110				
Lead	50.9	2.00	50.00	0	102	90	110				

Sample ID: **CCV-33897B**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/8/2021**		RunNo: **70450**		
Client ID: **CCV**	Batch ID: **33897**					Analysis Date: **10/8/2021**		SeqNo: **1430149**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	105	10.0	100.0	0	105	90	110				

Work Order: 2109508
CLIENT: Shannon & Wilson
Project: 8801 Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCB-33895F**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/8/2021**			RunNo: **70345**	
Client ID: **CCB**	Batch ID: **33895**					Analysis Date: **10/8/2021**			SeqNo: **1429582**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Copper	ND	10.0									
Lead	ND	2.00									

Sample ID: **CCB-33897B**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/8/2021**			RunNo: **70450**	
Client ID: **CCB**	Batch ID: **33897**					Analysis Date: **10/8/2021**			SeqNo: **1430150**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **2109508-022AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **9/30/2021**			RunNo: **70450**	
Client ID: **A3-BOT24:6**	Batch ID: **33897**					Analysis Date: **10/8/2021**			SeqNo: **1430152**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	107	1.25	62.47	45.82	97.3	75	125				

Sample ID: **2109508-022AMSD**	SampType: **MSD**			Units: **mg/Kg-dry**		Prep Date: **9/30/2021**			RunNo: **70450**	
Client ID: **A3-BOT24:6**	Batch ID: **33897**					Analysis Date: **10/8/2021**			SeqNo: **1430153**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	112	1.29	64.42	45.82	102	75	125	106.6	4.75	20	

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Total Metals by EPA Method 6020B

Sample ID: **CCV-33897C**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/8/2021**		RunNo: **70450**		
Client ID: **CCV**	Batch ID: **33897**					Analysis Date: **10/8/2021**		SeqNo: **1430156**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	103	10.0	100.0	0	103	90	110				

Sample ID: **CCB-33897C**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/8/2021**		RunNo: **70450**		
Client ID: **CCB**	Batch ID: **33897**					Analysis Date: **10/8/2021**		SeqNo: **1430157**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33897D**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/8/2021**		RunNo: **70450**		
Client ID: **CCV**	Batch ID: **33897**					Analysis Date: **10/8/2021**		SeqNo: **1430163**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	109	10.0	100.0	0	109	90	110				

Sample ID: **CCB-33897D**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/8/2021**		RunNo: **70450**		
Client ID: **CCB**	Batch ID: **33897**					Analysis Date: **10/8/2021**		SeqNo: **1430164**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33897E**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/8/2021**		RunNo: **70450**		
Client ID: **CCV**	Batch ID: **33897**					Analysis Date: **10/8/2021**		SeqNo: **1430170**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	96.7	10.0	100.0	0	96.7	90	110				

Work Order: 2109508
CLIENT: Shannon & Wilson
Project: 8801 Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCB-33897E**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/8/2021**		RunNo: **70450**		
Client ID: **CCB**	Batch ID: **33897**					Analysis Date: **10/8/2021**		SeqNo: **1430171**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33897F**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/8/2021**		RunNo: **70450**		
Client ID: **CCV**	Batch ID: **33897**					Analysis Date: **10/8/2021**		SeqNo: **1430177**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	98.9	10.0	100.0	0	98.9	90	110				

Sample ID: **CCB-33897F**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/8/2021**		RunNo: **70450**		
Client ID: **CCB**	Batch ID: **33897**					Analysis Date: **10/8/2021**		SeqNo: **1430178**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33897G**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/8/2021**		RunNo: **70450**		
Client ID: **CCV**	Batch ID: **33897**					Analysis Date: **10/8/2021**		SeqNo: **1430183**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	97.8	10.0	100.0	0	97.8	90	110				

Sample ID: **CCB-33897G**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/8/2021**		RunNo: **70450**		
Client ID: **CCB**	Batch ID: **33897**					Analysis Date: **10/8/2021**		SeqNo: **1430184**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Work Order: 2109508
CLIENT: Shannon & Wilson
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QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **ICB-33895A** SampType: **ICB** Units: **µg/L** Prep Date: **10/11/2021** RunNo: **70345**
Client ID: **ICB** Batch ID: **33895** Analysis Date: **10/11/2021** SeqNo: **1430777**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Copper	ND	10.0									
Lead	ND	2.00									

Sample ID: **ICB-33897A** SampType: **ICB** Units: **µg/L** Prep Date: **10/11/2021** RunNo: **70450**
Client ID: **ICB** Batch ID: **33897** Analysis Date: **10/11/2021** SeqNo: **1431366**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICV-33895A** SampType: **ICV** Units: **µg/L** Prep Date: **10/11/2021** RunNo: **70345**
Client ID: **ICV** Batch ID: **33895** Analysis Date: **10/11/2021** SeqNo: **1430780**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	102	1.20	100.0	0	102	90	110				
Cadmium	5.07	2.00	5.000	0	101	90	110				
Chromium	94.4	4.00	100.0	0	94.4	90	110				
Copper	97.8	10.0	100.0	0	97.8	90	110				
Lead	49.4	2.00	50.00	0	98.9	90	110				

Sample ID: **ICV-33897A** SampType: **ICV** Units: **µg/L** Prep Date: **10/11/2021** RunNo: **70450**
Client ID: **ICV** Batch ID: **33897** Analysis Date: **10/11/2021** SeqNo: **1431369**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	97.8	10.0	100.0	0	97.8	90	110				

Work Order: 2109508
CLIENT: Shannon & Wilson
Project: 8801 Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-33895G** SampType: **CCV** Units: **µg/L** Prep Date: **10/11/2021** RunNo: **70345**
Client ID: **CCV** Batch ID: **33895** Analysis Date: **10/11/2021** SeqNo: **1430792**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	107	1.20	100.0	0	107	90	110				
Cadmium	4.91	2.00	5.000	0	98.1	90	110				
Chromium	101	4.00	100.0	0	101	90	110				
Copper	99.8	10.0	100.0	0	99.8	90	110				
Lead	48.4	2.00	50.00	0	96.8	90	110				

Sample ID: **CCB-33895G** SampType: **CCB** Units: **µg/L** Prep Date: **10/11/2021** RunNo: **70345**
Client ID: **CCB** Batch ID: **33895** Analysis Date: **10/11/2021** SeqNo: **1430793**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Cadmium	ND	2.00									
Chromium	ND	4.00									
Copper	ND	10.0									
Lead	ND	2.00									

Sample ID: **CCV-33897H** SampType: **CCV** Units: **µg/L** Prep Date: **10/11/2021** RunNo: **70450**
Client ID: **CCV** Batch ID: **33897** Analysis Date: **10/11/2021** SeqNo: **1431374**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	97.0	10.0	100.0	0	97.0	90	110				

Sample ID: **CCB-33897H** SampType: **CCB** Units: **µg/L** Prep Date: **10/11/2021** RunNo: **70450**
Client ID: **CCB** Batch ID: **33897** Analysis Date: **10/11/2021** SeqNo: **1431375**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Work Order: 2109508
CLIENT: Shannon & Wilson
Project: 8801 Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-33897I**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/11/2021**		RunNo: **70450**		
Client ID: **CCV**	Batch ID: **33897**					Analysis Date: **10/11/2021**		SeqNo: **1431378**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	99.7	10.0	100.0	0	99.7	90	110				

Sample ID: **CCB-33897I**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/11/2021**		RunNo: **70450**		
Client ID: **CCB**	Batch ID: **33897**					Analysis Date: **10/11/2021**		SeqNo: **1431379**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33897J**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/11/2021**		RunNo: **70450**		
Client ID: **CCV**	Batch ID: **33897**					Analysis Date: **10/11/2021**		SeqNo: **1431385**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	89.2	10.0	100.0	0	89.2	90	110				S

NOTES:
S - Outlying spike recovery observed (low bias). Samples will be qualified with a Q.

Sample ID: **CCB-33897J**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/11/2021**		RunNo: **70450**		
Client ID: **CCB**	Batch ID: **33897**					Analysis Date: **10/11/2021**		SeqNo: **1431386**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Work Order: 2109508
CLIENT: Shannon & Wilson
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QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1660 ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICB**	Batch ID: **33916**		Analysis Date: **9/30/2021**	SeqNo: **1425542**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1260	ND	0.0500									
Surr: Decachlorobiphenyl	216		200.0		108	50.2	159				
Surr: Tetrachloro-m-xylene	188		200.0		94.0	60.3	134				

Sample ID: **1660 ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICV**	Batch ID: **33916**		Analysis Date: **9/30/2021**	SeqNo: **1425544**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.845	0.0500	1.000	0	84.5	80	120				
Aroclor 1260	0.810	0.0500	1.000	0	81.0	80	120				
Surr: Decachlorobiphenyl	162		200.0		81.0	30.2	155				
Surr: Tetrachloro-m-xylene	160		200.0		79.9	58.8	143				

Sample ID: **1254 ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICB**	Batch ID: **33916**		Analysis Date: **9/30/2021**	SeqNo: **1425552**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	ND	0.0500									
Surr: Decachlorobiphenyl	219		200.0		110	50.2	159				
Surr: Tetrachloro-m-xylene	214		200.0		107	60.3	134				

Sample ID: **1254 ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICV**	Batch ID: **33916**		Analysis Date: **9/30/2021**	SeqNo: **1425553**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.08	0.0500	1.000	0	108	80	120				
Surr: Decachlorobiphenyl	204		200.0		102	30.2	155				
Surr: Tetrachloro-m-xylene	203		200.0		101	58.8	143				

Work Order: 2109508
CLIENT: Shannon & Wilson
Project: 8801 Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1254 ICV**	SampType: **ICV**			Units: **mg/Kg**		Prep Date: **9/30/2021**		RunNo: **70254**	
Client ID: **ICV**	Batch ID: **33916**					Analysis Date: **9/30/2021**		SeqNo: **1425553**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **1660-CCV-33899A**	SampType: **CCV**			Units: **mg/Kg**		Prep Date: **9/30/2021**		RunNo: **70279**	
Client ID: **CCV**	Batch ID: **33899**					Analysis Date: **9/30/2021**		SeqNo: **1426454**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.967	0.0500	1.000	0	96.7	80	120				
Aroclor 1260	1.01	0.0500	1.000	0	101	80	120				
Surr: Decachlorobiphenyl	195		200.0		97.3	30.2	155				
Surr: Tetrachloro-m-xylene	184		200.0		92.1	58.8	143				

Sample ID: **1254-CCV-33899A**	SampType: **CCV**			Units: **mg/Kg**		Prep Date: **9/30/2021**		RunNo: **70279**	
Client ID: **CCV**	Batch ID: **33899**					Analysis Date: **9/30/2021**		SeqNo: **1426485**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.10	0.0500	1.000	0	110	80	120				
Surr: Decachlorobiphenyl	196		200.0		97.8	30.2	155				
Surr: Tetrachloro-m-xylene	199		200.0		99.3	58.8	143				

Sample ID: **MB-33899**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **9/30/2021**		RunNo: **70279**	
Client ID: **MBLKS**	Batch ID: **33899**					Analysis Date: **9/30/2021**		SeqNo: **1426455**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1221	ND	0.0500									
Aroclor 1232	ND	0.0500									
Aroclor 1242	ND	0.0500									
Aroclor 1248	ND	0.0500									
Aroclor 1254	ND	0.0500									
Aroclor 1260	ND	0.0500									

Work Order: 2109508
CLIENT: Shannon & Wilson
Project: 8801 Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **MB-33899**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **9/30/2021**		RunNo: **70279**		
Client ID: **MBLKS**	Batch ID: **33899**					Analysis Date: **9/30/2021**		SeqNo: **1426455**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1262	ND	0.0500									
Aroclor 1268	ND	0.0500									
Total PCBs	ND	0.0500									
Surr: Decachlorobiphenyl	174		200.0		87.0	20.6	142				
Surr: Tetrachloro-m-xylene	164		200.0		82.2	22	157				

Sample ID: **LCS-33899**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **9/30/2021**		RunNo: **70279**		
Client ID: **LCSS**	Batch ID: **33899**					Analysis Date: **9/30/2021**		SeqNo: **1426456**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.899	0.0500	1.000	0	89.9	52.2	136				
Aroclor 1260	0.890	0.0500	1.000	0	89.0	50.5	150				
Surr: Decachlorobiphenyl	177		200.0		88.4	20.6	142				
Surr: Tetrachloro-m-xylene	177		200.0		88.4	22	157				

Sample ID: **2109408-002AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **9/30/2021**		RunNo: **70279**		
Client ID: **BATCH**	Batch ID: **33899**					Analysis Date: **9/30/2021**		SeqNo: **1426474**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.04	0.0516	1.032	0	101	38.6	146				
Aroclor 1260	0.886	0.0516	1.032	0	85.8	24.6	161				
Surr: Decachlorobiphenyl	141		206.4		68.4	20.6	142				
Surr: Tetrachloro-m-xylene	181		206.4		87.7	22	157				

Sample ID: **2109408-002AMSD**	SampType: **MSD**			Units: **mg/Kg-dry**		Prep Date: **9/30/2021**		RunNo: **70279**		
Client ID: **BATCH**	Batch ID: **33899**					Analysis Date: **9/30/2021**		SeqNo: **1426475**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.958	0.0500	0.9995	0	95.8	38.6	146	1.038	8.02	30	

Work Order: 2109508
CLIENT: Shannon & Wilson
Project: 8801 Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **2109408-002AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/30/2021** RunNo: **70279**
Client ID: **BATCH** Batch ID: **33899** Analysis Date: **9/30/2021** SeqNo: **1426475**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1260	0.894	0.0500	0.9995	0	89.4	24.6	161	0.8856	0.918	30	
Surr: Decachlorobiphenyl	157		199.9		78.4	20.6	142		0		
Surr: Tetrachloro-m-xylene	181		199.9		90.8	22	157		0		

Sample ID: **1660-CCV-33899B** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/30/2021** RunNo: **70279**
Client ID: **CCV** Batch ID: **33899** Analysis Date: **9/30/2021** SeqNo: **1426476**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.03	0.0500	1.000	0	103	80	120				
Aroclor 1260	1.04	0.0500	1.000	0	104	80	120				
Surr: Decachlorobiphenyl	199		200.0		99.7	30.2	155				
Surr: Tetrachloro-m-xylene	199		200.0		99.6	58.8	143				

Sample ID: **1254-CCV-33899B** SampType: **CCV** Units: **mg/Kg** Prep Date: **9/30/2021** RunNo: **70279**
Client ID: **CCV** Batch ID: **33899** Analysis Date: **9/30/2021** SeqNo: **1426486**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.21	0.0500	1.000	0	121	80	120				S
Surr: Decachlorobiphenyl	215		200.0		107	30.2	155				
Surr: Tetrachloro-m-xylene	218		200.0		109	58.8	143				

NOTES:
S - Outlying spike recovery observed (high bias). Samples are non-detect; result meets QC requirements.

Sample ID: **1660-CCV-33899C** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/1/2021** RunNo: **70279**
Client ID: **CCV** Batch ID: **33899** Analysis Date: **10/1/2021** SeqNo: **1426477**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.15	0.0500	1.000	0	115	80	120				
Aroclor 1260	1.18	0.0500	1.000	0	118	80	120				
Surr: Decachlorobiphenyl	203		200.0		102	30.2	155				

Work Order: 2109508
CLIENT: Shannon & Wilson
Project: 8801 Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1660-CCV-33899C**	SampType: **CCV**			Units: **mg/Kg**		Prep Date: **10/1/2021**		RunNo: **70279**		
Client ID: **CCV**	Batch ID: **33899**					Analysis Date: **10/1/2021**		SeqNo: **1426477**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	210		200.0		105	58.8	143				

Sample ID: **1254-CCV-33899C**	SampType: **CCV**			Units: **mg/Kg**		Prep Date: **10/1/2021**		RunNo: **70279**		
Client ID: **CCV**	Batch ID: **33899**					Analysis Date: **10/1/2021**		SeqNo: **1426478**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.16	0.0500	1.000	0	116	80	120				
Surr: Decachlorobiphenyl	208		200.0		104	30.2	155				
Surr: Tetrachloro-m-xylene	218		200.0		109	58.8	143				

Sample ID: **LCS2-33899**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **9/30/2021**		RunNo: **70279**		
Client ID: **LCSS**	Batch ID: **33899**					Analysis Date: **10/1/2021**		SeqNo: **1426479**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.13	0.0500	1.000	0	113	48.1	147				
Surr: Decachlorobiphenyl	229		200.0		114	20.6	142				
Surr: Tetrachloro-m-xylene	226		200.0		113	22	157				

Sample ID: **1660-CCV-33899D**	SampType: **CCV**			Units: **mg/Kg**		Prep Date: **10/1/2021**		RunNo: **70279**		
Client ID: **CCV**	Batch ID: **33899**					Analysis Date: **10/1/2021**		SeqNo: **1426483**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.02	0.0500	1.000	0	102	80	120				
Aroclor 1260	1.05	0.0500	1.000	0	105	80	120				
Surr: Decachlorobiphenyl	189		200.0		94.4	30.2	155				
Surr: Tetrachloro-m-xylene	182		200.0		90.9	58.8	143				

Work Order: 2109508
CLIENT: Shannon & Wilson
Project: 8801 Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1660-CCV-33916A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/1/2021**	RunNo: **70295**
Client ID: **CCV**	Batch ID: **33916**		Analysis Date: **10/1/2021**	SeqNo: **1426731**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.05	0.0500	1.000	0	105	80	120				
Aroclor 1260	1.05	0.0500	1.000	0	105	80	120				
Surr: Decachlorobiphenyl	189		200.0		94.4	30.2	155				
Surr: Tetrachloro-m-xylene	182		200.0		90.9	58.8	143				

Sample ID: **1254-CCV-33899D**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/1/2021**	RunNo: **70279**
Client ID: **CCV**	Batch ID: **33899**		Analysis Date: **10/1/2021**	SeqNo: **1426484**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.918	0.0500	1.000	0	91.8	80	120				
Surr: Decachlorobiphenyl	168		200.0		84.0	30.2	155				
Surr: Tetrachloro-m-xylene	183		200.0		91.4	58.8	143				

Sample ID: **1254-CCV-33916A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/1/2021**	RunNo: **70295**
Client ID: **CCV**	Batch ID: **33916**		Analysis Date: **10/1/2021**	SeqNo: **1426732**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.918	0.0500	1.000	0	91.8	80	120				
Surr: Decachlorobiphenyl	168		200.0		84.0	30.2	155				
Surr: Tetrachloro-m-xylene	183		200.0		91.4	58.8	143				

Sample ID: **MB-33916**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **10/1/2021**	RunNo: **70295**
Client ID: **MBLKS**	Batch ID: **33916**		Analysis Date: **10/1/2021**	SeqNo: **1426733**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1221	ND	0.0500									
Aroclor 1232	ND	0.0500									
Aroclor 1242	ND	0.0500									

Work Order: 2109508
CLIENT: Shannon & Wilson
Project: 8801 Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **MB-33916** SampType: **MBLK** Units: **mg/Kg** Prep Date: **10/1/2021** RunNo: **70295**
Client ID: **MBLKS** Batch ID: **33916** Analysis Date: **10/1/2021** SeqNo: **1426733**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	ND	0.0500									
Aroclor 1254	ND	0.0500									
Aroclor 1260	ND	0.0500									
Aroclor 1262	ND	0.0500									
Aroclor 1268	ND	0.0500									
Total PCBs	ND	0.0500									
Surr: Decachlorobiphenyl	200		200.0		100	20.6	142				
Surr: Tetrachloro-m-xylene	210		200.0		105	22	157				

Sample ID: **LCS1-33916** SampType: **LCS** Units: **mg/Kg** Prep Date: **10/1/2021** RunNo: **70295**
Client ID: **LCSS** Batch ID: **33916** Analysis Date: **10/1/2021** SeqNo: **1426734**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.969	0.0500	1.000	0	96.9	52.2	136				
Aroclor 1260	0.967	0.0500	1.000	0	96.7	50.5	150				
Surr: Decachlorobiphenyl	187		200.0		93.4	20.6	142				
Surr: Tetrachloro-m-xylene	195		200.0		97.3	22	157				

Sample ID: **LCS2-33916** SampType: **LCS** Units: **mg/Kg** Prep Date: **10/1/2021** RunNo: **70295**
Client ID: **LCSS** Batch ID: **33916** Analysis Date: **10/1/2021** SeqNo: **1426735**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.04	0.0500	1.000	0	104	48.1	147				
Surr: Decachlorobiphenyl	197		200.0		98.5	20.6	142				
Surr: Tetrachloro-m-xylene	199		200.0		99.3	22	157				

Work Order: 2109508
CLIENT: Shannon & Wilson
Project: 8801 Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **LCS1D-33916** SampType: **LCSD** Units: **mg/Kg** Prep Date: **10/1/2021** RunNo: **70295**
Client ID: **LCSS02** Batch ID: **33916** Analysis Date: **10/1/2021** SeqNo: **1426742**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.02	0.0500	1.000	0	102	52.2	136	0.9691	5.29	20	
Aroclor 1260	0.990	0.0500	1.000	0	99.0	50.5	150	0.9666	2.37	20	
Surr: Decachlorobiphenyl	189		200.0		94.6	20.6	142		0		
Surr: Tetrachloro-m-xylene	194		200.0		96.8	22	157		0		

Sample ID: **1660-CCV-33916B** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/1/2021** RunNo: **70295**
Client ID: **CCV** Batch ID: **33916** Analysis Date: **10/1/2021** SeqNo: **1426743**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.08	0.0500	1.000	0	108	80	120				
Aroclor 1260	1.02	0.0500	1.000	0	102	80	120				
Surr: Decachlorobiphenyl	172		200.0		86.1	30.2	155				
Surr: Tetrachloro-m-xylene	182		200.0		91.2	58.8	143				

Sample ID: **1254-CCV-33916B** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/1/2021** RunNo: **70295**
Client ID: **CCV** Batch ID: **33916** Analysis Date: **10/1/2021** SeqNo: **1426744**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.01	0.0500	1.000	0	101	80	120				
Surr: Decachlorobiphenyl	183		200.0		91.5	30.2	155				
Surr: Tetrachloro-m-xylene	190		200.0		95.2	58.8	143				

Work Order: 2109508
CLIENT: Shannon & Wilson
Project: 8801 Excavations

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **9/29/2021**	RunNo: **70210**
Client ID: **ICB**	Batch ID: **33894**		Analysis Date: **9/29/2021**	SeqNo: **1424408**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	50.0									
Surr: Toluene-d8	24.5		25.00		98.1	65	135				
Surr: 4-Bromofluorobenzene	24.3		25.00		97.2	65	135				

Sample ID: **ICV GX 25738**	SampType: **ICV**	Units: **µg/L**	Prep Date: **9/29/2021**	RunNo: **70210**
Client ID: **ICV**	Batch ID: **33894**		Analysis Date: **9/29/2021**	SeqNo: **1424409**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	558	50.0	500.0	0	112	80	120				
Surr: Toluene-d8	25.0		25.00		100	65	135				
Surr: 4-Bromofluorobenzene	25.1		25.00		101	65	135				

Sample ID: **CCV-33894A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70270**
Client ID: **CCV**	Batch ID: **33894**		Analysis Date: **9/30/2021**	SeqNo: **1426172**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	527	5.00	500.0	0	105	80	120				
Surr: Toluene-d8	25.0		25.00		100	65	135				
Surr: 4-Bromofluorobenzene	25.0		25.00		99.9	65	135				

Sample ID: **LCS-33894**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70270**
Client ID: **LCSS**	Batch ID: **33894**		Analysis Date: **9/30/2021**	SeqNo: **1426173**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	27.0	5.00	25.00	0	108	65	135				
Surr: Toluene-d8	1.29		1.250		103	65	135				
Surr: 4-Bromofluorobenzene	1.24		1.250		99.0	65	135				

Work Order: 2109508
CLIENT: Shannon & Wilson
Project: 8801 Excavations

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **MB-33894**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70270**
Client ID: **MBLKS**	Batch ID: **33894**		Analysis Date: **9/30/2021**	SeqNo: **1426174**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.28		1.250		102	65	135				
Surr: 4-Bromofluorobenzene	1.19		1.250		94.9	65	135				

Sample ID: **2109508-013BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **9/30/2021**	RunNo: **70270**
Client ID: **A3-SIDE7:2.5**	Batch ID: **33894**		Analysis Date: **9/30/2021**	SeqNo: **1426152**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.60						0	0	30	
Surr: Toluene-d8	1.43		1.399		102	65	135		0		
Surr: 4-Bromofluorobenzene	1.33		1.399		94.7	65	135		0		

Sample ID: **2109508-016BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **9/30/2021**	RunNo: **70270**
Client ID: **A3-SIDE6:5**	Batch ID: **33894**		Analysis Date: **9/30/2021**	SeqNo: **1426158**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	7.05						0	0	30	
Gasoline Range Organics (C6-C12)	123	7.05						129.3	5.03	30	
Surr: Toluene-d8	1.79		1.763		101	65	135		0		
Surr: 4-Bromofluorobenzene	1.70		1.763		96.3	65	135		0		

Sample ID: **2109508-014BMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **9/30/2021**	RunNo: **70270**
Client ID: **A3-SIDE7:5**	Batch ID: **33894**		Analysis Date: **10/1/2021**	SeqNo: **1426154**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	46.1	6.16	30.80	0	150	65	135				S
Surr: Toluene-d8	1.57		1.540		102	65	135				
Surr: 4-Bromofluorobenzene	1.52		1.540		98.9	65	135				

Work Order: 2109508
CLIENT: Shannon & Wilson
Project: 8801 Excavations

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **2109508-014BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/30/2021** RunNo: **70270**
Client ID: **A3-SIDE7:5** Batch ID: **33894** Analysis Date: **10/1/2021** SeqNo: **1426154**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:
S - Outlying spike recoveries were associated with this sample.

Sample ID: **CCV-33894B** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/1/2021** RunNo: **70270**
Client ID: **CCV** Batch ID: **33894** Analysis Date: **10/1/2021** SeqNo: **1426170**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	494	5.00	500.0	0	98.9	80	120				
Surr: Toluene-d8	25.2		25.00		101	65	135				
Surr: 4-Bromofluorobenzene	25.0		25.00		100	65	135				

Sample ID: **CCV-33894C** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/1/2021** RunNo: **70270**
Client ID: **CCV** Batch ID: **33894** Analysis Date: **10/1/2021** SeqNo: **1426171**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	509	5.00	500.0	0	102	80	120				
Surr: Toluene-d8	25.2		25.00		101	65	135				
Surr: 4-Bromofluorobenzene	25.4		25.00		102	65	135				

Sample Log-In Check List

Client Name:	**SW**	Work Order Number:	**2109508**
Logged by:	**Clare Griggs**	Date Received:	**9/29/2021 3:52:09 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >2°C to 6°C *	Yes ☑	No ☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Client called and requested a 2 day TAT -CG

Item Information

Item #	Temp °C
Sample	2.1

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9/24/2021 Page: 1 of: 3

Laboratory Project No (internal): 210958

Project Name: 8801 Excavations

Special Remarks: "A3" samples are Cu metals

Project No: 103485-008

Client: Shannon & Wilson, Inc.

Collected by: Christian Canfield

Address: 400 N. 34th St., Suite 100

Location: Tukwila, WA

City, State, Zip: Seattle, WA 98103

Report To (PM): Ryan Peterson

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Telephone:

PM Email: RBP@shanwil.com

Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1 A5-SIDE6:2	9/29	0955	S	1								X				As, Pb, Cd, Cr
2 A5-SIDE101:2	9/29	0958	S	1								X				As, Pb, Cd, Cr
3 A5-SIDE6:6	9/29	1000	S	1							X	X				Pb, As
4 A5-SIDE7:3	9/29	1002	S	1								X				As, Pb, Cd, Cr
5 A5-SIDE7:6	9/29	1004	S	1							X	X				Pb, As
6 A5-SIDE8:2	9/29	1006	S	1								X				As, Pb, Cd, Cr
7 A5-SIDE8:6	9/29	1008	S	1							X	X				Pb, As
8 A5-SIDE9:3	9/29	1010	S	1								X				As, Pb, Cd, Cr
9 A5-SIDE9:7	9/29	1012	S	1							X	X				Pb, As
10 A5-SIDE17:2	9/29	1014	S	1								X				As, Pb, Cd, Cr

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al (As) B Ba Be Ca (Cd) Co (Cr) Cu Fe Hg K Mg Mn Mo Na Ni (Pb) Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☒ 3 Day ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Christian Canfield	9/29/2021 1520	x	Claire Griggs	9/29/21 1552
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 9/29/2021 Page: 2 of: 3

Laboratory Project No (internal): 209508

Special Remarks: "A3" samples are Cu metals ~~"A5" samples are~~

Client: Shannon & Wilson, Inc.
Address: 400 N. 34th St., Suite 100
City, State, Zip: Seattle, WA 98103
Telephone:
Fax:

Project Name: 8801 Excavations
Project No: 103485-008
Collected by: Christian Canfield
Location: Tukwila, WA
Report To (PM): Ryan Peterson
PM Email: RBP@shanwil.com

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	A5-SIDE5:2	9/29	1030	S	1								X				As, Pb, Cd, Cr
2	A5-SIDE5:6	9/29	1035	S	1							X	X				Pb, As
3	A3-SIDE7:2.5	9/29	1200	S	3			X				X	X				Cu
4	A3-SIDE7:5	9/29	1203	S	3			X				X	X				Cu
5	A3-SIDE6:2.5	9/29	1154	S	3			X				X	X				Cu
6	A3-SIDE6:5	9/29	1157	S	3			X				X	X				Cu
7	A3-SIDE5:2.5	9/29	1148	S	3			X				X	X				Cu
8	A3-SIDE5:5	9/29	1151	S	3			X				X	X				Cu
9	A3-SIDE4:2.5	9/29	1140	S	3			X				X	X				Cu
10	A3-SIDE4:5	9/29	1145	S	3			X				X	X				Cu

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al (As) B Ba Be Ca (Cd) Co (Cr) (Cu) Fe Hg K Mg Mn Mo Na Ni (Pb) Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

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x	Christian Canfield	9/29/2021 1520	x	Clarotnuys	9/29/21 1552
x			x		

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9/29/2021 Page: 3 of: 3

Laboratory Project No (internal): 2109508

Special Remarks: 1"A3" samples are Cu metals

Project Name: 8801 Excavations

Project No: 10 3485-008

Collected by: Christian Canfield

Location: Tukwila, WA

Report To (PM): Ryan Peterson

PM Email: RBP@shanwil.com

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Client: Shannon & Wilson, Inc.

Address: 400 N. 34th St., Suite 100

City, State, Zip: Seattle, WA 98103

Telephone:

Fax:

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	A3-SIDE 10 1:5	9/29	1145	S	3			X					X	X				Cu
2	[illegible] CTC																	
3	A3-BOT 24:6	9/29	1206	S	3			X					X	X				Cu
4	A3-BOT 25:6	9/29	1209	S	3			X					X	X				Cu
5	A3-BOT 26:6	9/29	1212	S	3			X					X	X				Cu
6	A3-BOT 27:6	9/29	1215	S	3			X					X	X				Cu
7	TRIP-20210929	9/29	1315	W	1			X					[illegible] CTC					
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

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x	Christian Canfield	9/29/2021 1520	x	Claire Griggs	9/29/21 1552
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Page 57 of 157

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9/24/2021 Page: 1 of: 3

Laboratory Project No (internal): 210958

Project Name: 8801 Excavations

Special Remarks: "A3" samples are Cu metals
TAT revision per R.P. 10/1/21 -BB

Project No: 103485-008

Client: Shannon & Wilson, Inc.

Collected by: Christian Canfield

Address: 400 N. 34th St., Suite 100

Location: Tukwila, WA

City, State, Zip: Seattle, WA 98103

Report To (PM): Ryan Peterson

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Telephone:

PM Email: RBP@shanwil.com

Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1 A5-SIDE6:2	9/29	0955	S	1								X				As, Pb, Cd, Cr
2 A5-SIDE101:2	9/29	0958	S	1								X				As, Pb, Cd, Cr
3 A5-SIDE6:6	9/29	1000	S	1							X	X				Pb, As
4 A5-SIDE7:3	9/29	1002	S	1								X				As, Pb, Cd, Cr
5 A5-SIDE7:6	9/29	1004	S	1							X	X				Pb, As
6 A5-SIDE8:2	9/29	1006	S	1								X				As, Pb, Cd, Cr
7 A5-SIDE8:6	9/29	1008	S	1							X	X				Pb, As
8 A5-SIDE9:3	9/29	1010	S	1								X				As, Pb, Cd, Cr
9 A5-SIDE9:7	9/29	1012	S	1							X	X				Pb, As
10 A5-SIDE17:2	9/29	1014	S	1								X				As, Pb, Cd, Cr

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

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Chain of Custody Record & Laboratory Services Agreement

Date: 9/29/2021 Page: 2 of: 3

Laboratory Project No (internal): 209508

Special Remarks: "A3" samples are Cu metals ~~"A5" samples are~~

Client: Shannon & Wilson, Inc.
Address: 400 N. 34th St., Suite 100
City, State, Zip: Seattle, WA 98103
Telephone:
Fax:

Project Name: 8801 Excavations
Project No: 103485-008
Collected by: Christian Canfield
Location: Tukwila, WA
Report To (PM): Ryan Peterson
PM Email: RBP@shanwil.com

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1 A5-SIDE5:2	9/29	1030	S	1								X				As, Pb, Cd, Cr
2 A5-SIDE5:6	9/29	1035	S	1							X	X				Pb, As
3 A3-SIDE7:2.5	9/29	1200	S	3			X				X	X				Cu
4 A3-SIDE7:5	9/29	1203	S	3			X				X	X				Cu
5 A3-SIDE6:2.5	9/29	1154	S	3			X				X	X				Cu
6 A3-SIDE6:5	9/29	1157	S	3			X				X	X				Cu
7 A3-SIDE5:2.5	9/29	1148	S	3			X				X	X				Cu
8 A3-SIDE5:5	9/29	1151	S	3			X				X	X				Cu
9 A3-SIDE4:2.5	9/29	1140	S	3			X				X	X				Cu
10 A3-SIDE4:5	9/29	1145	S	3			X				X	X				Cu

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

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Chain of Custody Record & Laboratory Services Agreement

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Tel: 206-352-3790
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Date: 9/29/2021 Page: 3 of: 3

Laboratory Project No (internal): 2109508

Special Remarks: 1"A3" samples are Cu metals

Project Name: 8801 Excavations

Project No: 10 3485-008

Collected by: Christian Canfield

Location: Tukwila, WA

Report To (PM): Ryan Peterson

PM Email: RBP@shanwil.com

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

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Address: 400 N. 34th St., Suite 100

City, State, Zip: Seattle, WA 98103

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	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	A3-SIDE 10:5	9/29	1145	S	3			X				X	X					Cu
2	[illegible]																	
3	A3-BOT 24:6	9/29	1206	S	3			X				X	X					Cu
4	A3-BOT 25:6	9/29	1209	S	3			X				X	X					Cu
5	A3-BOT 26:6	9/29	1212	S	3			X				X	X					Cu
6	A3-BOT 27:6	9/29	1215	S	3			X				X	X					Cu
7	TRIP-20210929	9/29	1315	W	1			X				[illegible]						
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

DATA SET for Review -- Deliverable Requirements

Gasoline by NWTPH-Gx

Fremont Analytical Work Order No. 2109508

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Injection Log

Data Directory: D:\GC-27\DATA\092821\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	092801.D	8260B-0206-1.M			
CLEANOUT		O-VOC-W	10	1.000	28 Sep 2021 12:03 pm
2)	092802.D	8260B-0206-1.M			
CLEANOUT		O-VOC-W	10	1.000	28 Sep 2021 12:34 pm
3)	092803.D	8260B-0206-1.M			
CLEANOUT		O-VOC-W	11	1.000	28 Sep 2021 01:04 pm
4)	092804.D	8260B-0206-1.M			
VOC WATER CAL1		O-VOC-W	12	1.000	28 Sep 2021 01:34 pm
5)	092805.D	8260B-0206-1.M			
VOC WATER CAL2		O-VOC-W	13	1.000	28 Sep 2021 02:04 pm
6)	092806.D	8260B-0206-1.M			
VOC WATER CAL3		O-VOC-W	14	1.000	28 Sep 2021 02:34 pm
7)	092807.D	8260B-0206-1.M			
VOC WATER CAL4		O-VOC-W	15	1.000	28 Sep 2021 03:04 pm
8)	092808.D	8260B-0206-1.M			
VOC WATER CAL5		O-VOC-W	16	1.000	28 Sep 2021 03:34 pm
9)	092809.D	8260B-0206-1.M			
VOC WATER CAL6	25909	O-VOC-W	17	1.000	28 Sep 2021 04:04 pm
10)	092810.D	8260B-0206-1.M			
VOC WATER CAL7		O-VOC-W	18	1.000	28 Sep 2021 04:35 pm
11)	092811.D	8260B-0206-1.M			
VOC WATER CAL8		O-VOC-W	19	1.000	28 Sep 2021 05:05 pm
12)	092812.D	8260B-0206-1.M			
VOC WATER CAL9		O-VOC-W	20	1.000	28 Sep 2021 05:35 pm
13)	092813.D	8260B-0206-1.M			
CLEANOUT		O-VOC-W	11	1.000	28 Sep 2021 06:05 pm
14)	092814.D	8260B-0206-1.M			
ICB		O-VOC-W	21	1.000	28 Sep 2021 06:35 pm
15)	092815.D	8260B-0206-1.M			
ICV VOC	25964	O-VOC-W	22	1.000	28 Sep 2021 07:05 pm
16)	092816.D	8260B-0206-1.M			
CLEANOUT		O-VOC-W	23	1.000	28 Sep 2021 07:35 pm
17)	092817.D	8260B-0206-1.M			
GX CAL1	25970	O-VOC-GX-W	24	1.000	28 Sep 2021 08:06 pm
18)	092818.D	8260B-0206-1.M			
GX CAL2		O-VOC-GX-W	25	1.000	28 Sep 2021 08:36 pm
19)	092819.D	8260B-0206-1.M			
GX CAL3		O-VOC-GX-W	26	1.000	28 Sep 2021 09:06 pm
20)	092820.D	8260B-0206-1.M			
GX CAL4		O-VOC-GX-W	27	1.000	28 Sep 2021 09:36 pm
21)	092821.D	8260B-0206-1.M			
GX CAL5		O-VOC-GX-W	28	1.000	28 Sep 2021 10:06 pm

22) 092822.D		8260B-0206-1.M				
GX CAL6	O-VOC-GX-W		29	1.000	28 Sep 2021	10:36 pm
23) 092823.D		8260B-0206-1.M				
GX CAL7	O-VOC-GX-W		30	1.000	28 Sep 2021	11:06 pm
24) 092824.D		8260B-0206-1.M				
CLEANOUT	O-VOC-GX-W		22	1.000	28 Sep 2021	11:36 pm
25) 092825.D		8260B-0206-1.M				
ICB	O-VOC-GX-W		31	1.000	29 Sep 2021	12:07 am
26) 092826.D		8260B-0206-1.M				
ICV GX 25738	O-VOC-GX-W		32	1.000	29 Sep 2021	12:37 am

Injection Log

Data Directory: D:\GC-27\DATA\093021\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	093001.D	8260B-0206-1.M			
CLEANOUT	O-VOC-W		1	1.000	30 Sep 2021 09:21 am
2)	093002.D	8260B-0206-1.M			
CCV-33898A_LCS-338..	O-VOC-W		1	1.000	30 Sep 2021 09:52 am
3)	093003.D	8260B-0206-1.M			
CCV-33898A_LCS-338..	O-VOC-GX-W		2	1.000	30 Sep 2021 10:22 am
4)	093004.D	8260B-0206-1.M			
CLEANOUT	O-VOC-W		1	1.000	30 Sep 2021 10:51 am
5)	093005.D	8260B-0206-1.M			
MB-33898	O-VOC-W		3	1.000	30 Sep 2021 11:21 am
6)	093006.D	8260B-0206-1.M			
2107150-034C 0.2ppb	O-VOC-W		4	1.000	30 Sep 2021 11:51 am
7)	093007.D	8260B-0206-1.M			
2107150-034C 0.5ppb	O-VOC-W		5	1.000	30 Sep 2021 12:21 pm
8)	093008.D	8260B-0206-1.M			
2107150-034C 1.0ppb	O-VOC-W		6	1.000	30 Sep 2021 12:51 pm
9)	093009.D	8260B-0206-1.M			
2107150-013C 25ppb	O-VOC-W		7	1.000	30 Sep 2021 01:21 pm
10)	093010.D	8260B-0206-1.M			
2109510-001A	O-VOC-W		8	1.000	30 Sep 2021 01:51 pm
11)	093011.D	8260B-0206-1.M			
2109510-001ADUP	O-VOC-W		9	1.000	30 Sep 2021 02:21 pm
12)	093012.D	8260B-0206-1.M			
2109510-002A	O-VOC-W		10	1.000	30 Sep 2021 02:52 pm
13)	093013.D	8260B-0206-1.M			
2109510-001AMS VOC	O-VOC-W		11	1.000	30 Sep 2021 03:22 pm
14)	093014.D	8260B-0206-1.M			
2109510-001AMS GX	O-VOC-GX-W		12	1.000	30 Sep 2021 03:52 pm
15)	093015.D	8260B-0206-1.M			
CLEANOUT	O-VOC-W		1	1.000	30 Sep 2021 04:21 pm
16)	093016.D	8260B-0206-1.M			
CCV-33898B VOC	O-VOC-W		13	1.000	30 Sep 2021 04:51 pm
17)	093017.D	8260B-0206-1.M			
CCV-33898B GX	O-VOC-GX-W		14	1.000	30 Sep 2021 05:21 pm
18)	093018.D	8260B-0206-1.M			
LCS-33894 GX	O-VOC-GX-S		15	1.000	30 Sep 2021 05:51 pm
19)	093019.D	8260B-0206-1.M			
CLEANOUT	O-VOC-GX-S		16	1.000	30 Sep 2021 06:21 pm
20)	093020.D	8260B-0206-1.M			
MB-33894	O-VOC-GX-S		17	1.000	30 Sep 2021 06:51 pm
21)	093021.D	8260B-0206-1.M			
2109508-026A TB	O-VOC-GX-S		18	1.000	30 Sep 2021 07:21 pm

22) 093022.D	8260B-0206-1.M				
2109508-013B	O-VOC-GX-S	19	1.000	30 Sep 2021	07:52 pm
23) 093023.D	8260B-0206-1.M				
2109508-013BDUP	O-VOC-GX-S	20	1.000	30 Sep 2021	08:22 pm
24) 093024.D	8260B-0206-1.M				
2109508-014B	O-VOC-GX-S	21	1.000	30 Sep 2021	08:52 pm
25) 093025.D	8260B-0206-1.M				
2109508-015B	O-VOC-GX-S	22	1.000	30 Sep 2021	09:22 pm
26) 093026.D	8260B-0206-1.M				
2109508-016B	O-VOC-GX-S	23	1.000	30 Sep 2021	09:52 pm
27) 093027.D	8260B-0206-1.M				
2109508-016BDUP	O-VOC-GX-S	24	1.000	30 Sep 2021	10:22 pm
28) 093028.D	8260B-0206-1.M				
2109508-017B	O-VOC-GX-S	25	1.000	30 Sep 2021	10:52 pm
29) 093029.D	8260B-0206-1.M				
2109508-018B	O-VOC-GX-S	26	1.000	30 Sep 2021	11:22 pm
30) 093030.D	8260B-0206-1.M				
2109508-019B	O-VOC-GX-S	27	1.000	30 Sep 2021	11:53 pm
31) 093031.D	8260B-0206-1.M				
2109508-020B	O-VOC-GX-S	28	1.000	01 Oct 2021	12:23 am
32) 093032.D	8260B-0206-1.M				
2109508-021B	O-VOC-GX-S	29	1.000	01 Oct 2021	12:53 am
33) 093033.D	8260B-0206-1.M				
2109508-022B	O-VOC-GX-S	30	1.000	01 Oct 2021	01:23 am
34) 093034.D	8260B-0206-1.M				
2109508-023B	O-VOC-GX-S	31	1.000	01 Oct 2021	01:53 am
35) 093035.D	8260B-0206-1.M				
2109508-024B	O-VOC-GX-S	32	1.000	01 Oct 2021	02:23 am
36) 093036.D	8260B-0206-1.M				
2109508-025B	O-VOC-GX-S	33	1.000	01 Oct 2021	02:53 am
37) 093037.D	8260B-0206-1.M				
2109515-001A 10X	O-VOC-GX-S	34	1.000	01 Oct 2021	03:24 am
38) 093038.D	8260B-0206-1.M				
2109508-014BMS GX	O-VOC-GX-S	35	1.000	01 Oct 2021	03:54 am
39) 093039.D	8260B-0206-1.M				
CCV-33894B GX	O-VOC-GX-S	36	1.000	01 Oct 2021	04:24 am
40) 093040.D	8260B-0206-1.M				
2109508-015B 10X	O-VOC-GX-S	37	1.000	01 Oct 2021	06:42 am
41) 093041.D	8260B-0206-1.M				
CCV-33894C GX	O-VOC-GX-S	38	1.000	01 Oct 2021	07:12 am

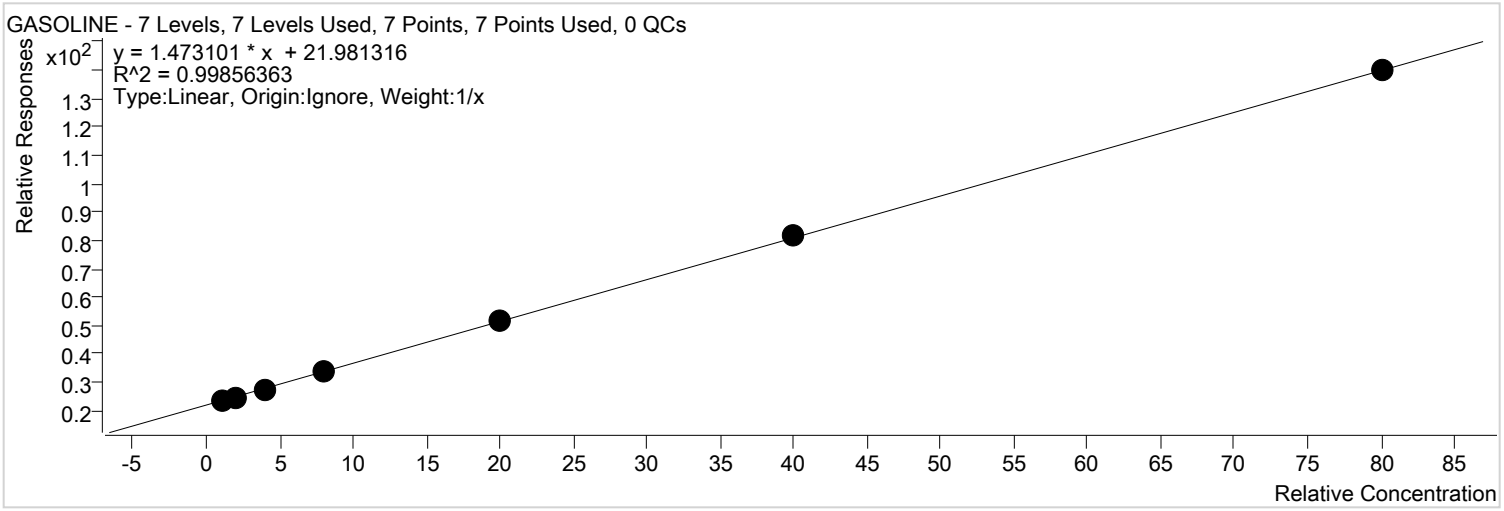
Calibration

Calibration Report

Agilent Technologies

Batch Path	D:\GC-27\DATA\092821\QuantResults\GX CAL.batch.bin		
Analysis Time	9/29/2021 7:00 AM	**Analyst Name**	FA\GC27
Report Time	9/29/2021 10:10:31 AM	**Reporter Name**	FA\GC27
Last Calib Update	9/29/2021 6:59 AM	**Batch State**	Processed
Quant Batch Version	B.09.00	**Quant Report Version**	B.09.00

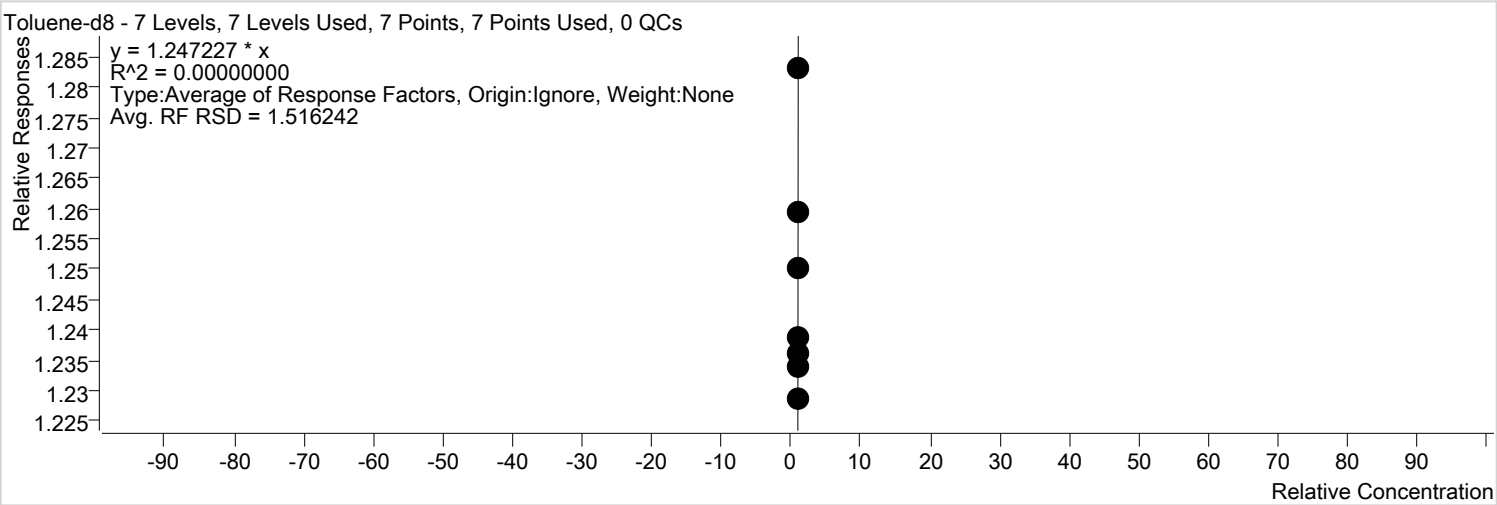
GASOLINE %RSE = 14.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\092821\092817.D	Calibration	1	x	72120735	25.0000	23.8380	
D:\GC-27\DATA\092821\092818.D	Calibration	2	x	74778621	50.0000	12.2204	
D:\GC-27\DATA\092821\092819.D	Calibration	3	x	83335614	100.0000	6.7986	
D:\GC-27\DATA\092821\092820.D	Calibration	4	x	102318540	200.0000	4.2375	
D:\GC-27\DATA\092821\092821.D	Calibration	5	x	157115061	500.0000	2.5632	
D:\GC-27\DATA\092821\092822.D	Calibration	6	x	253213757	1000.0000	2.0456	
D:\GC-27\DATA\092821\092823.D	Calibration	7	x	430816170	2000.0000	1.7467	

Batch Path	D:\GC-27\DATA\092821\QuantResults\GX CAL.batch.bin		
Analysis Time	9/29/2021 7:00 AM	**Analyst Name**	FA\GC27
Report Time	9/29/2021 10:10:32 AM	**Reporter Name**	FA\GC27
Last Calib Update	9/29/2021 6:59 AM	**Batch State**	Processed
Quant Batch Version	B.09.00	**Quant Report Version**	B.09.00

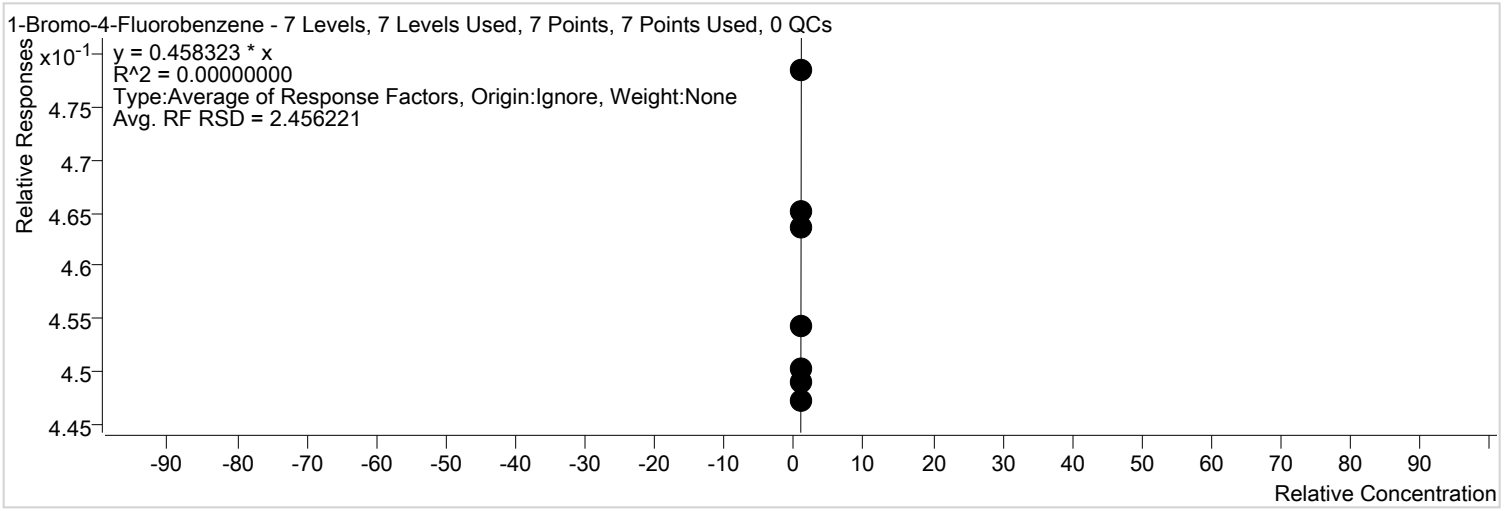
Toluene-d8 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\092821\092823.D	Calibration	7	x	4654087	25.0000	1.2831	
D:\GC-27\DATA\092821\092822.D	Calibration	6	x	4614337	25.0000	1.2593	
D:\GC-27\DATA\092821\092821.D	Calibration	5	x	4601274	25.0000	1.2503	
D:\GC-27\DATA\092821\092820.D	Calibration	4	x	4561213	25.0000	1.2340	
D:\GC-27\DATA\092821\092819.D	Calibration	3	x	4636348	25.0000	1.2388	
D:\GC-27\DATA\092821\092818.D	Calibration	2	x	4677966	25.0000	1.2363	
D:\GC-27\DATA\092821\092817.D	Calibration	1	x	4621163	25.0000	1.2288	

Batch Path	D:\GC-27\DATA\092821\QuantResults\GX CAL.batch.bin		
Analysis Time	9/29/2021 7:00 AM	**Analyst Name**	FA\GC27
Report Time	9/29/2021 10:10:32 AM	**Reporter Name**	FA\GC27
Last Calib Update	9/29/2021 6:59 AM	**Batch State**	Processed
Quant Batch Version	B.09.00	**Quant Report Version**	B.09.00

1-Bromo-4-Fluorobenzene %RSE =

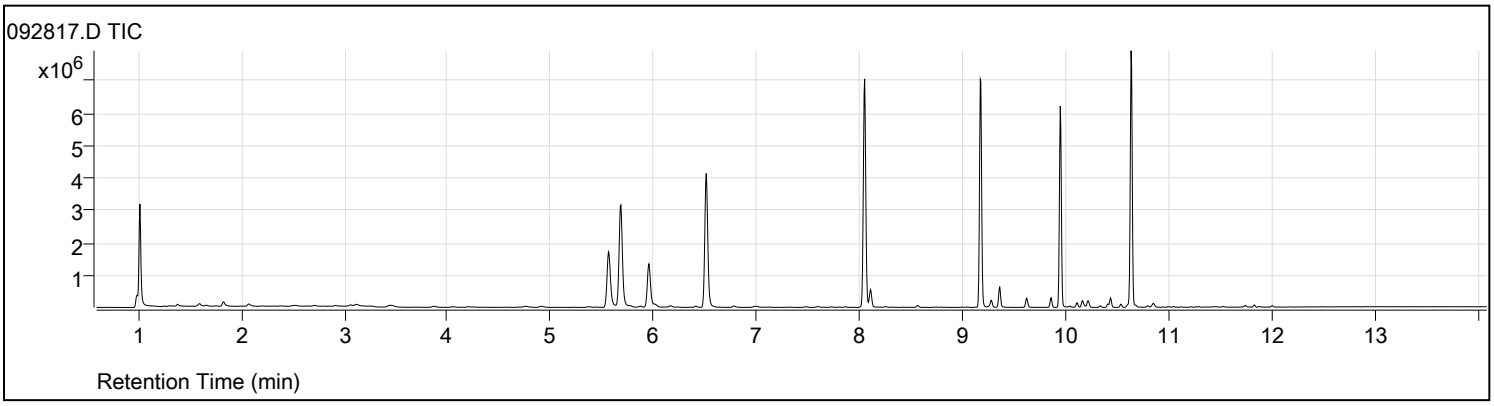


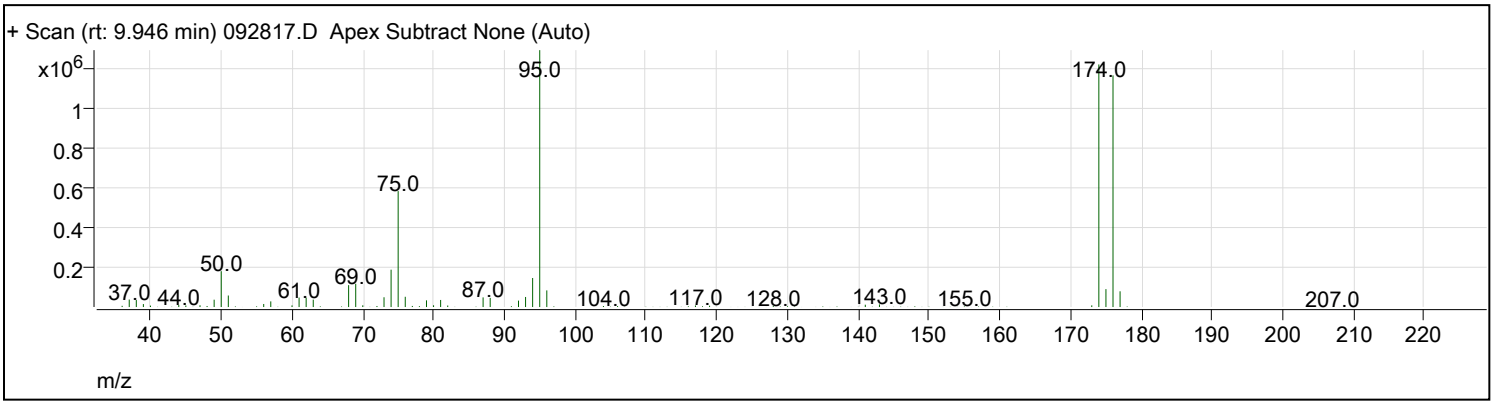
Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\092821\092823.D	Calibration	7	x	1735194	25.0000	0.4784	
D:\GC-27\DATA\092821\092822.D	Calibration	6	x	1698843	25.0000	0.4636	
D:\GC-27\DATA\092821\092821.D	Calibration	5	x	1711485	25.0000	0.4651	
D:\GC-27\DATA\092821\092820.D	Calibration	4	x	1660156	25.0000	0.4491	
D:\GC-27\DATA\092821\092819.D	Calibration	3	x	1700790	25.0000	0.4544	
D:\GC-27\DATA\092821\092818.D	Calibration	2	x	1703570	25.0000	0.4502	
D:\GC-27\DATA\092821\092817.D	Calibration	1	x	1682493	25.0000	0.4474	

Tunes

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\092821\092817.D
Acq on:	9/28/2021 8:06:04 PM
Operator:	CMR
Sample:	GX CAL1 25970
Inst Name:	GC-27
ALS Vial:	24
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

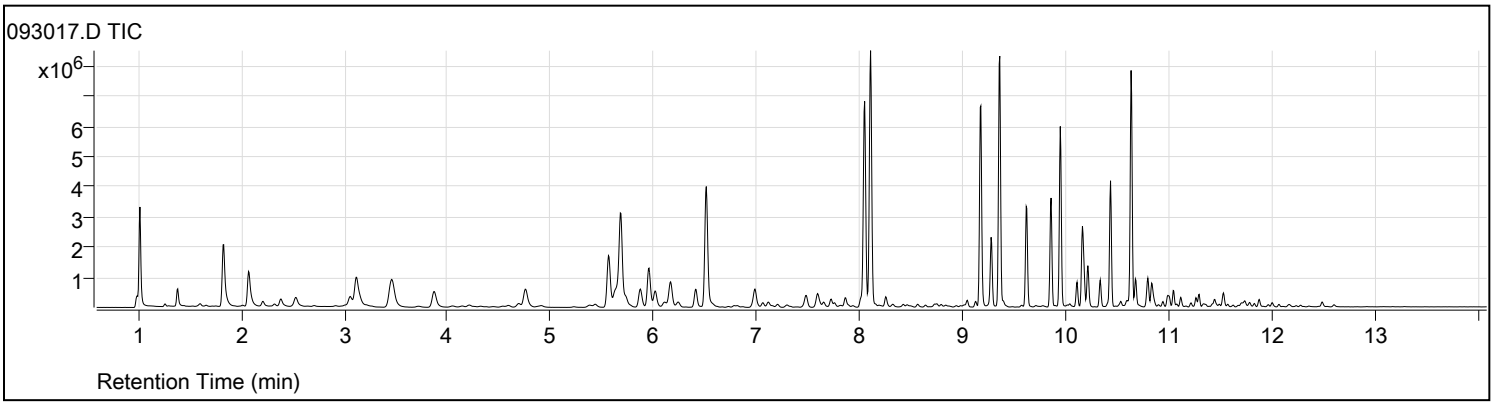


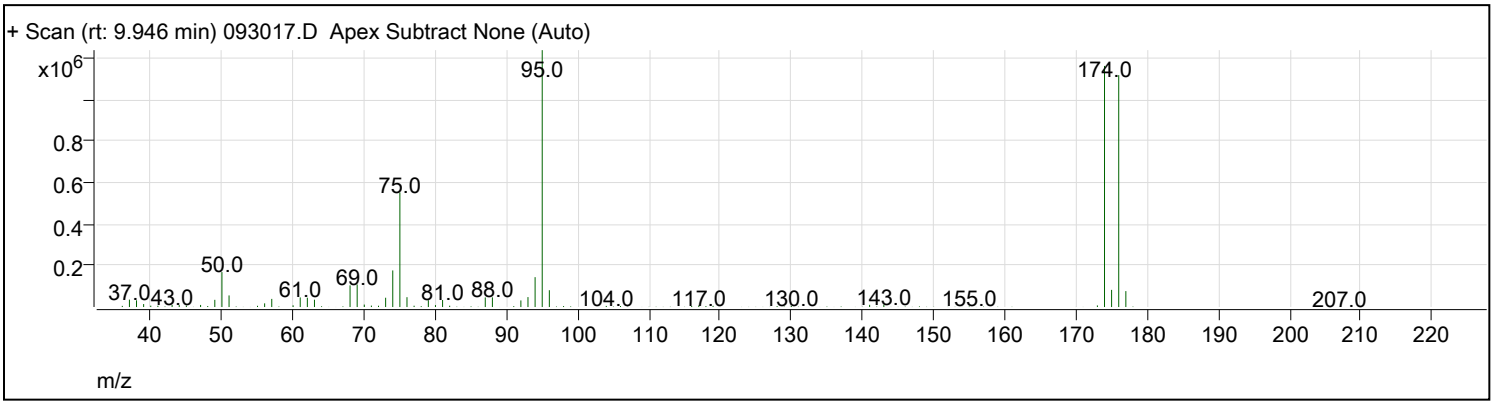


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	105.9	1295482	Pass
96	95	5	9	6.5	83824	Pass
173	174	0	2	0.7	8361	Pass
174	95	50	200	94.4	1223413	Pass
175	174	5	9	7.4	90266	Pass
176	174	95	105	95.5	1168269	Pass
177	176	5	10	6.8	79275	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\093021\093017.D
Acq on:	9/30/2021 5:21:32 PM
Operator:	KMT
Sample:	CCV-33898B GX
Inst Name:	GC-27
ALS Vial:	14
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

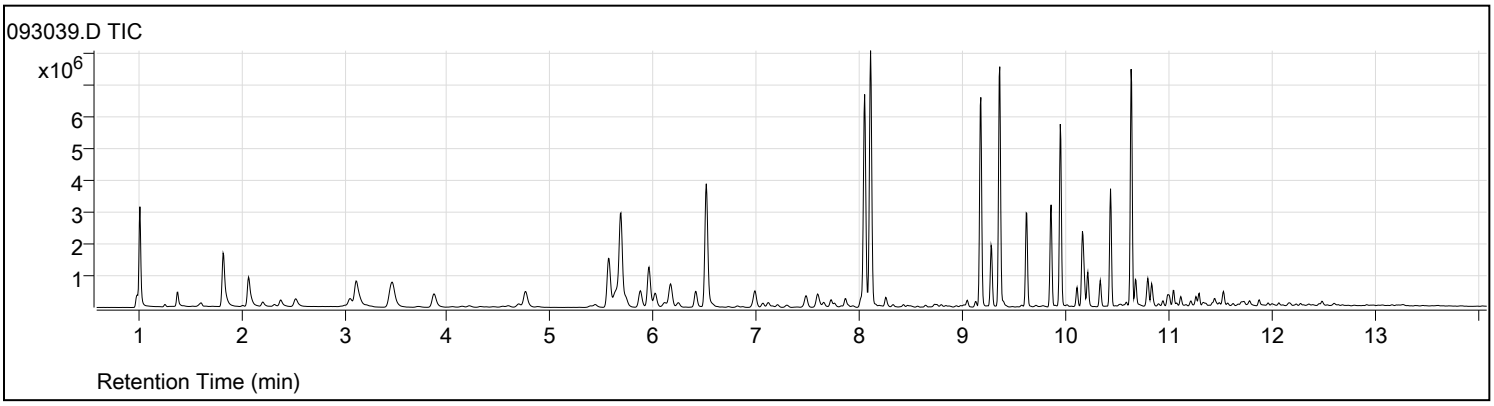


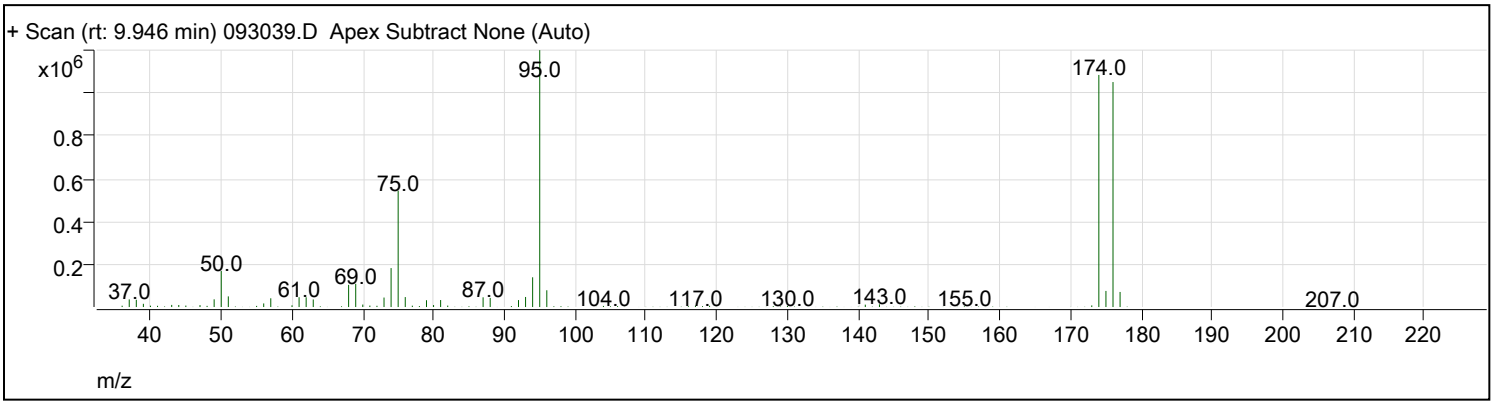


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	106.5	1240515	Pass
96	95	5	9	6.5	81174	Pass
173	174	0	2	0.7	7623	Pass
174	95	50	200	93.9	1164304	Pass
175	174	5	9	7.1	82897	Pass
176	174	95	105	96.2	1119884	Pass
177	176	5	10	6.9	76779	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\093021\093039.D
Acq on:	10/1/2021 4:24:19 AM
Operator:	KMT
Sample:	CCV-33894B GX
Inst Name:	GC-27
ALS Vial:	36
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

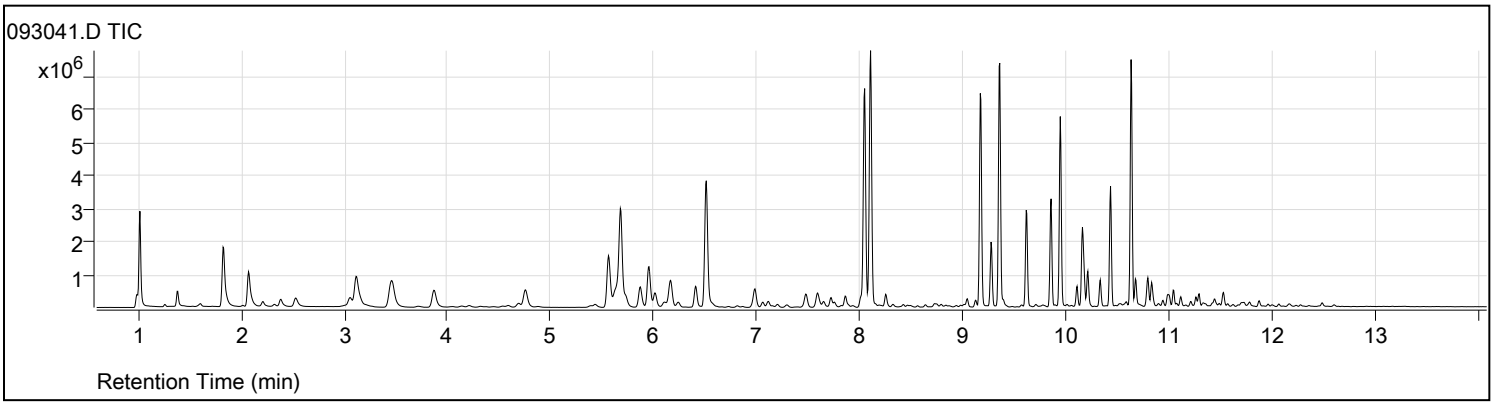


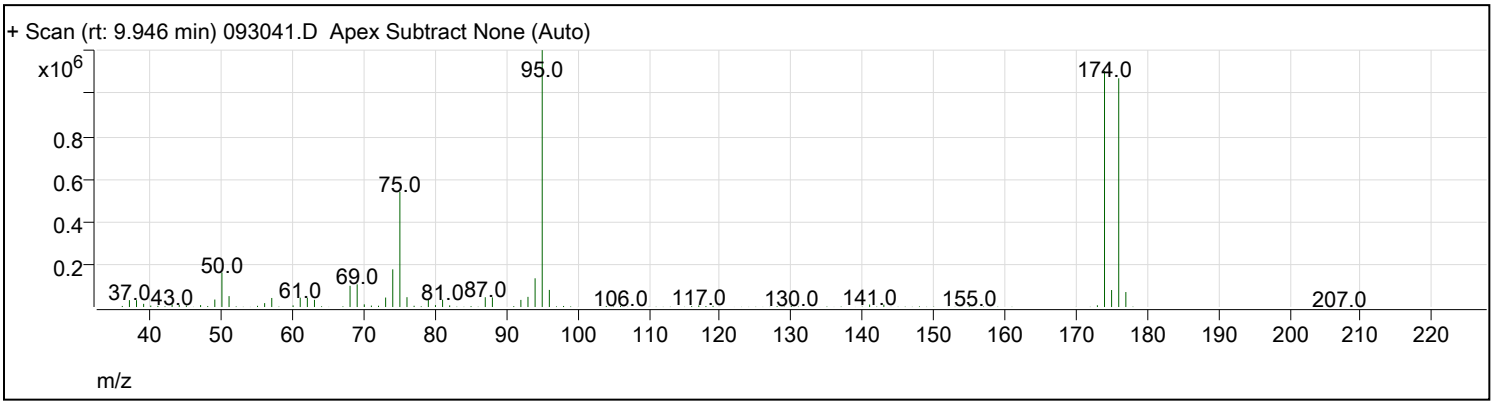


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	110.7	1201806	Pass
96	95	5	9	6.5	78326	Pass
173	174	0	2	0.7	7496	Pass
174	95	50	200	90.3	1085701	Pass
175	174	5	9	6.9	75317	Pass
176	174	95	105	96.9	1052481	Pass
177	176	5	10	6.7	70386	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\093021\093041.D
Acq on:	10/1/2021 7:12:56 AM
Operator:	KMT
Sample:	CCV-33894C GX
Inst Name:	GC-27
ALS Vial:	38
Method:	D:\MassHunter\Methods\Quant\BFB2021.m





Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	108.9	1204524	Pass
96	95	5	9	6.7	80179	Pass
173	174	0	2	0.7	8136	Pass
174	95	50	200	91.8	1106211	Pass
175	174	5	9	7.2	79675	Pass
176	174	95	105	97.0	1072716	Pass
177	176	5	10	6.5	70186	Pass

DATA SET for Review -- Deliverable Requirements

Polychlorinated Biphenyls (PCB) by EPA 8082

Fremont Analytical Work Order No. 2109508

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information

Injection Log

Data Directory: D:\GC-16\Data\2021\093021\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	093001.D	8081_8082A_608.M			
CO			6	1.000	30 Sep 2021 07:54 am
2)	093002.D	8081_8082A_608.M			
1660	10		11	1.000	30 Sep 2021 08:04 am
3)	093003.D	8081_8082A_608.M			
1660	20		12	1.000	30 Sep 2021 08:14 am
4)	093004.D	8081_8082A_608.M			
1660	50		13	1.000	30 Sep 2021 08:24 am
5)	093005.D	8081_8082A_608.M			
1660	100		14	1.000	30 Sep 2021 08:33 am
6)	093006.D	8081_8082A_608.M			
1660	200		15	1.000	30 Sep 2021 08:43 am
7)	093007.D	8081_8082A_608.M			
1660	500		16	1.000	30 Sep 2021 08:53 am
8)	093008.D	8081_8082A_608.M			
1660	1000		17	1.000	30 Sep 2021 09:02 am
9)	093009.D	8081_8082A_608.M			
1660	2000		18	1.000	30 Sep 2021 09:12 am
10)	093010.D	8081_8082A_608.M			
1660	ICB		19	1.000	30 Sep 2021 09:22 am
11)	093011.D	8081_8082A_608.M			
1660	ICV		20	1.000	30 Sep 2021 09:32 am
12)	093012.D	8081_8082A_608.M			
1254	10		21	1.000	30 Sep 2021 09:41 am
13)	093013.D	8081_8082A_608.M			
1660	ICV		20	1.000	30 Sep 2021 09:51 am
14)	093014.D	8081_8082A_608.M			
1254	20		22	1.000	30 Sep 2021 10:02 am
15)	093015.D	8081_8082A_608.M			
1254	50		23	1.000	30 Sep 2021 10:12 am
16)	093016.D	8081_8082A_608.M			
1254	100		24	1.000	30 Sep 2021 10:22 am
17)	093017.D	8081_8082A_608.M			
1254	200		25	1.000	30 Sep 2021 10:33 am
18)	093018.D	8081_8082A_608.M			
1254	500		26	1.000	30 Sep 2021 10:42 am
19)	093019.D	8081_8082A_608.M			
1254	1000		27	1.000	30 Sep 2021 10:52 am
20)	093020.D	8081_8082A_608.M			
1254	2000		28	1.000	30 Sep 2021 11:02 am
21)	093021.D	8081_8082A_608.M			
1254	ICB		29	1.000	30 Sep 2021 11:12 am

22) 093022.D 8081_8082A_608.M
1254 ICV 30 1.000 30 Sep 2021 11:21 am
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23) 093023.D 8081_8082A_608.M
1660-CCV-33867A 17 1.000 30 Sep 2021 11:31 am
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24) 093024.D 8081_8082A_608.M
1254-CCV-33867A 27 1.000 30 Sep 2021 11:41 am
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25) 093025.D 8081_8082A_608.M
MB-33867 31 1.000 30 Sep 2021 11:50 am
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26) 093026.D 8081_8082A_608.M
LCS1-33867 32 1.000 30 Sep 2021 12:00 pm
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27) 093027.D 8081_8082A_608.M
LCS1D-33867 33 1.000 30 Sep 2021 12:10 pm
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28) 093028.D 8081_8082A_608.M
LCS2-33867 34 1.000 30 Sep 2021 12:20 pm
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29) 093029.D 8081_8082A_608.M
LCS-LL-33867 35 1.000 30 Sep 2021 12:29 pm
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30) 093030.D 8081_8082A_608.M
2109469-001A 44 1.000 30 Sep 2021 12:39 pm
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31) 093031.D 8081_8082A_608.M
2109469-001AMS 45 1.000 30 Sep 2021 12:49 pm
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32) 093032.D 8081_8082A_608.M
2109390-011E 36 1.000 30 Sep 2021 12:58 pm
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33) 093033.D 8081_8082A_608.M
2109397-003C 37 1.000 30 Sep 2021 01:08 pm
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34) 093034.D 8081_8082A_608.M
2109397-006C 38 1.000 30 Sep 2021 01:18 pm
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35) 093035.D 8081_8082A_608.M
2109408-006E 39 1.000 30 Sep 2021 01:28 pm
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36) 093036.D 8081_8082A_608.M
2109408-012H 40 1.000 30 Sep 2021 01:37 pm
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37) 093037.D 8081_8082A_608.M
2109411-002D 41 1.000 30 Sep 2021 01:47 pm
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38) 093038.D 8081_8082A_608.M
2109453-001B 42 1.000 30 Sep 2021 01:57 pm
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39) 093039.D 8081_8082A_608.M
2109453-002B 43 1.000 30 Sep 2021 02:07 pm
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40) 093040.D 8081_8082A_608.M
CO 7 1.000 30 Sep 2021 02:16 pm
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41) 093041.D 8081_8082A_608.M
1660-CCV-33867B 17 1.000 30 Sep 2021 02:26 pm
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42) 093042.D 8081_8082A_608.M
1254-CCV-33867B 27 1.000 30 Sep 2021 02:36 pm
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43) 093043.D 8081_8082A_608.M
1660-CCV-33879A 6 1.000 30 Sep 2021 02:45 pm
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44) 093044.D 8081_8082A_608.M
1254-CCV-33879A 7 1.000 30 Sep 2021 02:55 pm
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45) 093045.D 8081_8082A_608.M

MB-33899 71 1.000 30 Sep 2021 03:05 pm

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46) 093046.D 8081_8082A_608.M
LCS-33899 72 1.000 30 Sep 2021 03:15 pm

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47) 093047.D 8081_8082A_608.M
LCS2-33899 73 1.000 30 Sep 2021 03:24 pm

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48) 093048.D 8081_8082A_608.M
2109508-003A 74 1.000 30 Sep 2021 03:34 pm

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49) 093049.D 8081_8082A_608.M
2109508-005A 75 1.000 30 Sep 2021 03:44 pm

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50) 093050.D 8081_8082A_608.M
2109508-007A 76 1.000 30 Sep 2021 03:54 pm

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51) 093051.D 8081_8082A_608.M
2109508-009A 77 1.000 30 Sep 2021 04:03 pm

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52) 093052.D 8081_8082A_608.M
2109508-012A 78 1.000 30 Sep 2021 04:13 pm

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53) 093053.D 8081_8082A_608.M
2109508-013A 79 1.000 30 Sep 2021 04:23 pm

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54) 093054.D 8081_8082A_608.M
2109508-014A 80 1.000 30 Sep 2021 04:32 pm

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55) 093055.D 8081_8082A_608.M
2109508-015A 81 1.000 30 Sep 2021 04:42 pm

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56) 093056.D 8081_8082A_608.M
2109508-016A 82 1.000 30 Sep 2021 04:52 pm

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57) 093057.D 8081_8082A_608.M
2109508-017A 83 1.000 30 Sep 2021 05:02 pm

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58) 093058.D 8081_8082A_608.M
2109508-018A 84 1.000 30 Sep 2021 05:11 pm

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59) 093059.D 8081_8082A_608.M
2109508-019A 85 1.000 30 Sep 2021 05:21 pm

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60) 093060.D 8081_8082A_608.M
2109508-020A 86 1.000 30 Sep 2021 05:31 pm

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61) 093061.D 8081_8082A_608.M
2109508-021A 87 1.000 30 Sep 2021 05:41 pm

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62) 093062.D 8081_8082A_608.M
2109508-022A 88 1.000 30 Sep 2021 05:51 pm

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63) 093063.D 8081_8082A_608.M
2109508-023A 89 1.000 30 Sep 2021 06:00 pm

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64) 093064.D 8081_8082A_608.M
2109508-024A 90 1.000 30 Sep 2021 06:10 pm

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65) 093065.D 8081_8082A_608.M
2109508-025A 91 1.000 30 Sep 2021 06:20 pm

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66) 093066.D 8081_8082A_608.M
2109397-002A 92 1.000 30 Sep 2021 06:29 pm

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67) 093067.D 8081_8082A_608.M
2109408-002A 93 1.000 30 Sep 2021 06:39 pm

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68) 093068.D 8081_8082A_608.M
2109408-002AMS 94 1.000 30 Sep 2021 06:49 pm

69) 093069.D 8081_8082A_608.M
2109408-002AMSD 95 1.000 30 Sep 2021 06:59 pm

70) 093070.D 8081_8082A_608.M
CO 7 1.000 30 Sep 2021 07:08 pm

71) 093071.D 8081_8082A_608.M
1660-CCV-33899B 6 1.000 30 Sep 2021 07:18 pm

72) 093072.D 8081_8082A_608.M
1254-CCV-33899B 7 1.000 30 Sep 2021 07:28 pm

73) 093073.D 8081_8082A_608.M
MB-33879 51 1.000 30 Sep 2021 07:38 pm

74) 093074.D 8081_8082A_608.M
LCS1-33879 52 1.000 30 Sep 2021 07:47 pm

75) 093075.D 8081_8082A_608.M
LCS2-33879 53 1.000 30 Sep 2021 07:57 pm

76) 093076.D 8081_8082A_608.M
LCS1D-33879 54 1.000 30 Sep 2021 08:07 pm

77) 093077.D 8081_8082A_608.M
2109491-001A 55 1.000 30 Sep 2021 08:17 pm

78) 093078.D 8081_8082A_608.M
2109492-001A 56 1.000 30 Sep 2021 08:26 pm

79) 093079.D 8081_8082A_608.M
2109493-001A 57 1.000 30 Sep 2021 08:36 pm

80) 093080.D 8081_8082A_608.M
2109493-002A 58 1.000 30 Sep 2021 08:46 pm

81) 093081.D 8081_8082A_608.M
2109493-003A 59 1.000 30 Sep 2021 08:55 pm

82) 093082.D 8081_8082A_608.M
2109493-004A 60 1.000 30 Sep 2021 09:05 pm

83) 093083.D 8081_8082A_608.M
2109493-005A 61 1.000 30 Sep 2021 09:15 pm

84) 093084.D 8081_8082A_608.M
2109493-006A 62 1.000 30 Sep 2021 09:24 pm

85) 093085.D 8081_8082A_608.M
2109493-007A 63 1.000 30 Sep 2021 09:34 pm

86) 093086.D 8081_8082A_608.M
2109493-008A 64 1.000 30 Sep 2021 09:44 pm

87) 093087.D 8081_8082A_608.M
2109493-008AMS 65 1.000 30 Sep 2021 09:54 pm

88) 093088.D 8081_8082A_608.M
2109493-008AMSD 66 1.000 30 Sep 2021 10:03 pm

89) 093089.D 8081_8082A_608.M
CO 6 1.000 30 Sep 2021 10:13 pm

90) 093090.D 8081_8082A_608.M
1660-CCV-33879B 6 1.000 30 Sep 2021 10:23 pm

91) 093091.D 8081_8082A_608.M
1254-CCV-33879B 7 1.000 30 Sep 2021 10:33 pm

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CO                                    6    1.000     01 Oct 2021  08:08 am
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 93) 100102.D              8081_8082A_608.M
1660-CCV-33899C                       6    1.000     01 Oct 2021  08:18 am
  ----------------------------------------------------------------------------
 94) 100103.D              8081_8082A_608.M
1254-CCV-33899C                       7    1.000     01 Oct 2021  08:27 am
  ----------------------------------------------------------------------------
 95) 100104.D              8081_8082A_608.M
LCS2-33899                           73    1.000     01 Oct 2021  08:38 am
  ----------------------------------------------------------------------------
 96) 100105.D              8081_8082A_608.M
2109508-009A                         77    1.000     01 Oct 2021  08:48 am
  ----------------------------------------------------------------------------
 97) 100106.D              8081_8082A_608.M
2109508-013A                         79    1.000     01 Oct 2021  08:58 am
  ----------------------------------------------------------------------------
 98) 100107.D              8081_8082A_608.M
2109508-015A                         81    1.000     01 Oct 2021  09:07 am
  ----------------------------------------------------------------------------
 99) 100108.D              8081_8082A_608.M
CO                                    7    1.000     01 Oct 2021  09:17 am
  ----------------------------------------------------------------------------
100) 100109.D              8081_8082A_608.M
1660-CCV-33899B                       6    1.000     01 Oct 2021  09:27 am
  ----------------------------------------------------------------------------
101) 100110.D              8081_8082A_608.M
1254-CCV-33899B                       7    1.000     01 Oct 2021  09:37 am
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Calibration

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:22 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

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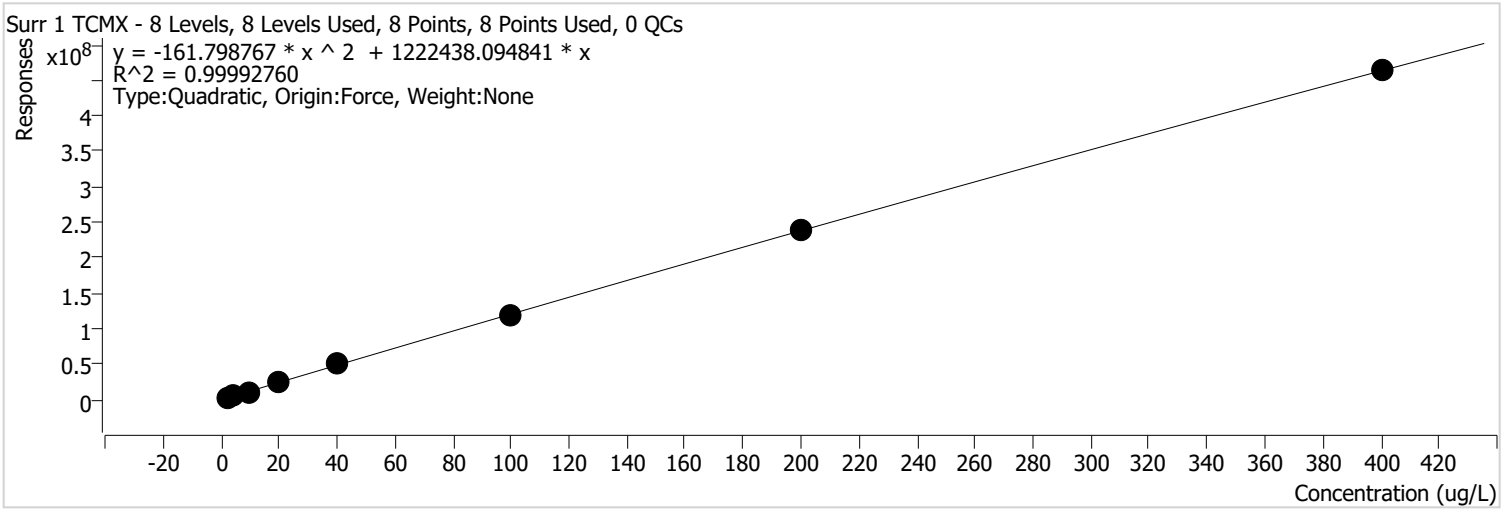

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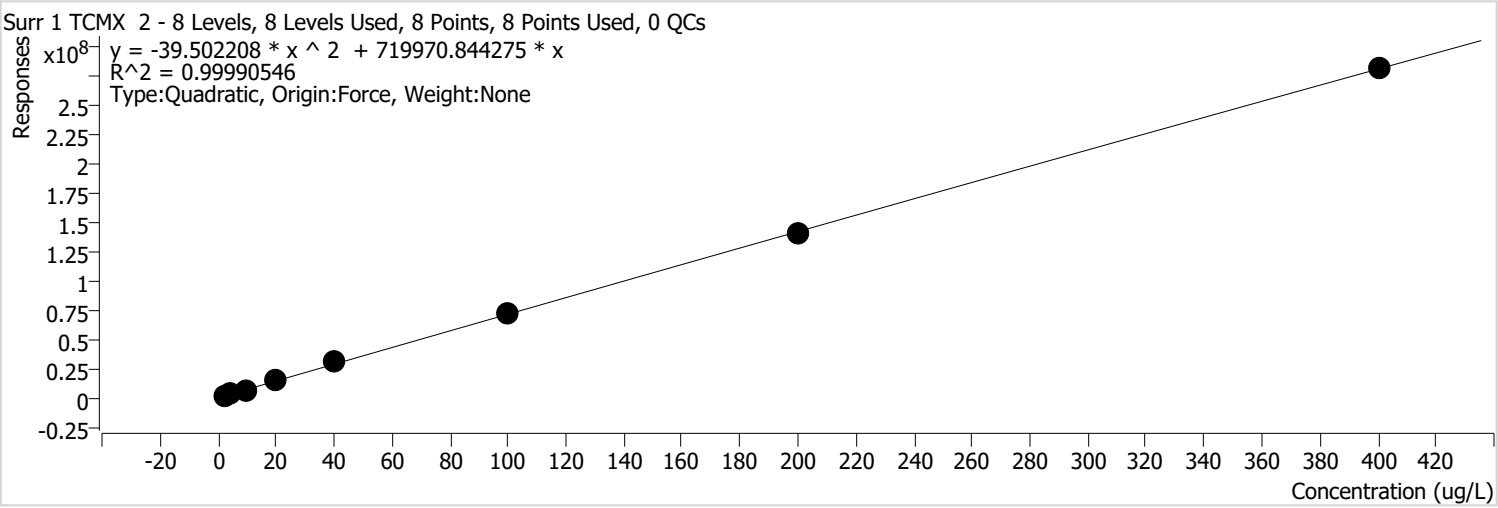
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	5501171	4.0000	1375292.7028	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	11449948	10.0000	1144994.7636	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	26421926	20.0000	1321096.2764	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	50798942	40.0000	1269973.5488	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	118768018	100.0000	1187680.1829	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	238292847	200.0000	1191464.2361	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	463107967	400.0000	1157769.9172	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

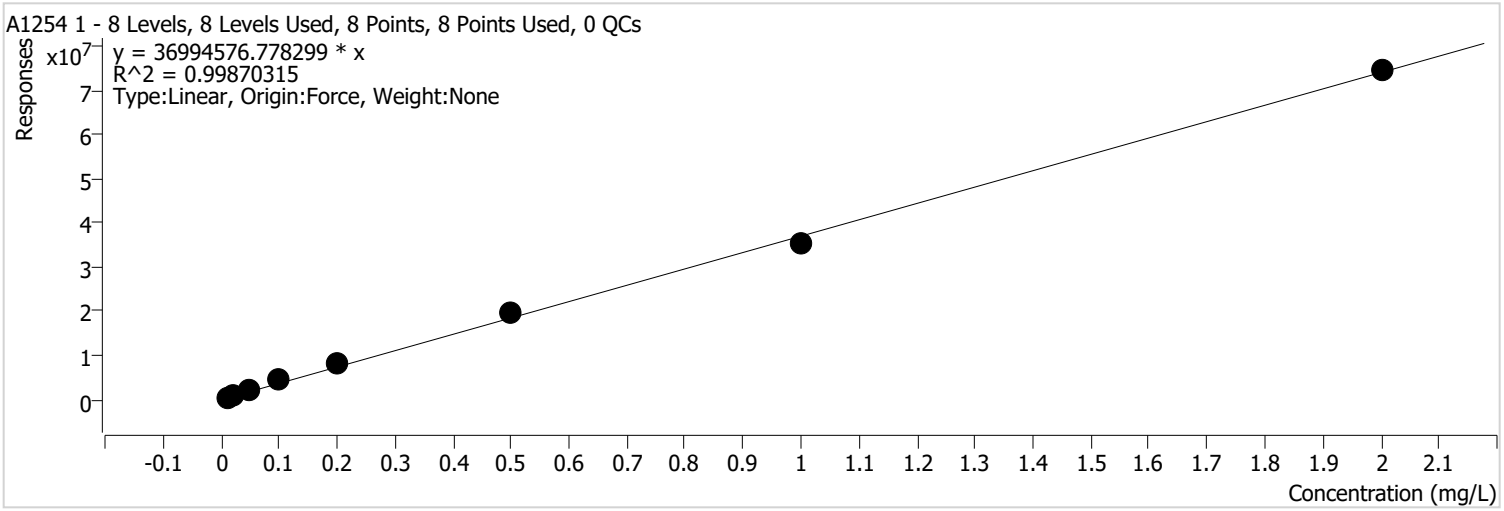
Surr 1 TCMX 2 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	1453156	2.0000	726578.2125	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	3470818	4.0000	867704.5477	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	6955331	10.0000	695533.1168	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	15983700	20.0000	799184.9873	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	30416920	40.0000	760422.9906	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	71319062	100.0000	713190.6157	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	141716800	200.0000	708584.0024	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	281839270	400.0000	704598.1740	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 1 %RSE = 17.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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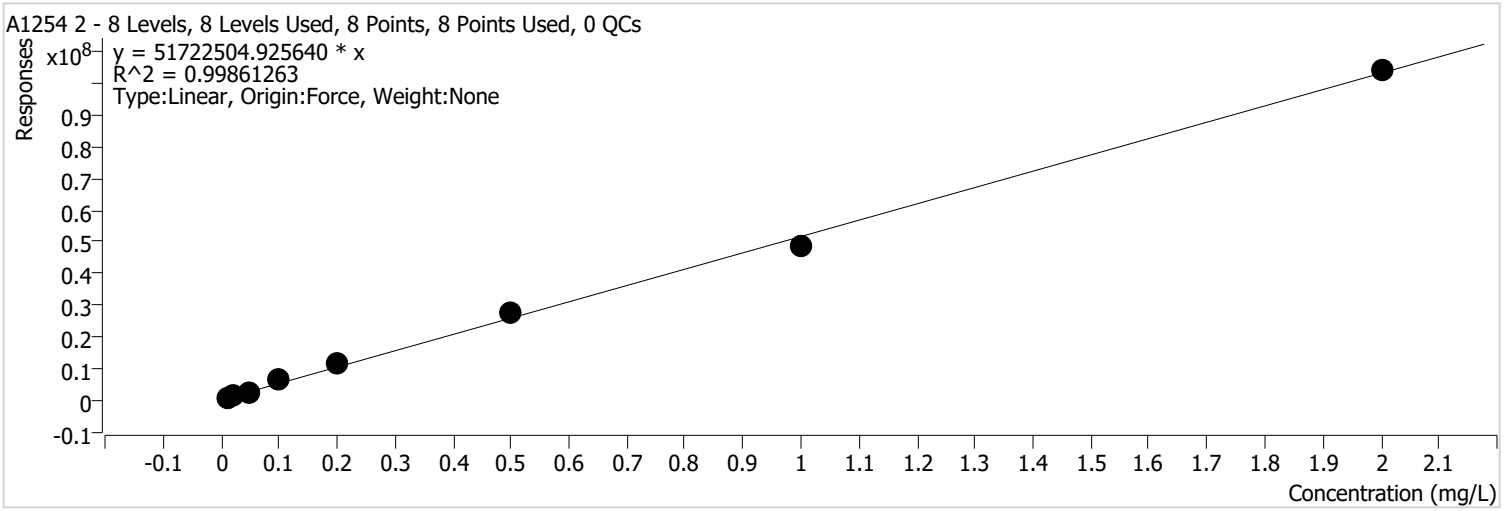
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	944393	0.0200	47219666.5214	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2057399	0.0500	41147983.0597	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4641418	0.1000	46414177.6100	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	8328295	0.2000	41641475.2047	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	19677294	0.5000	39354588.7044	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	35378372	1.0000	35378372.4367	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	74354852	2.0000	37177425.9706	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

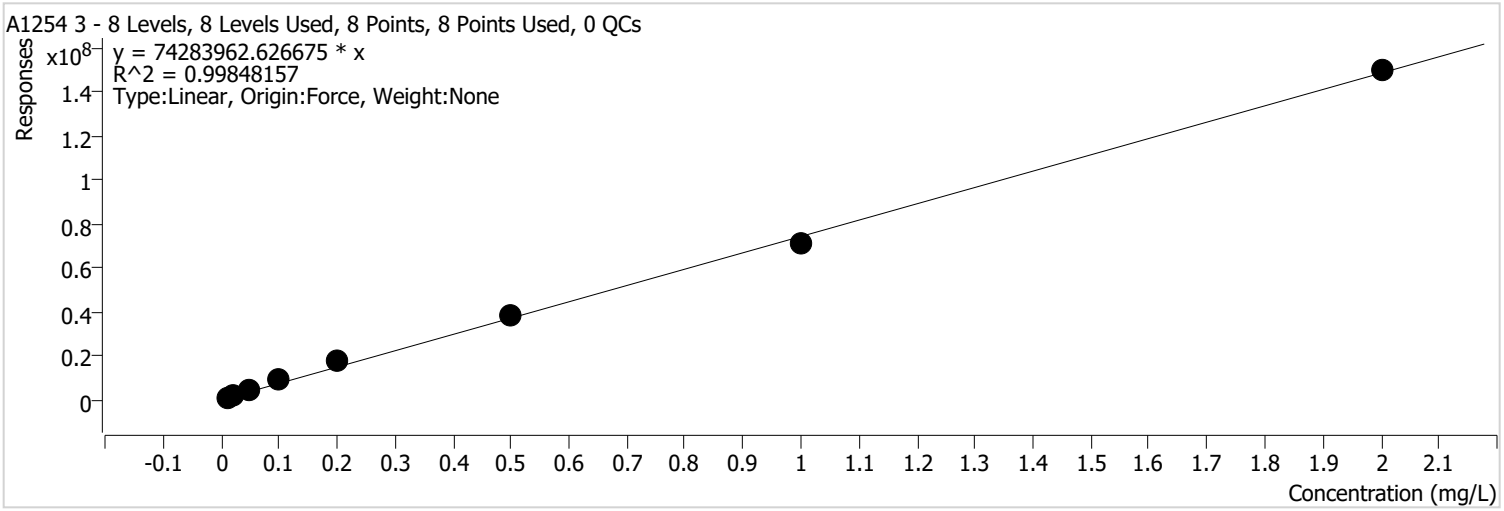
A1254 2 %RSE = 23.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	724183	0.0100	72418255.2468	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1367687	0.0200	68384349.9245	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2664818	0.0500	53296364.1113	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	6329142	0.1000	63291424.4759	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	11640085	0.2000	58200422.9118	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	27312124	0.5000	54624248.9388	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	49133781	1.0000	49133781.3867	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	104182916	2.0000	52091458.0906	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 3 %RSE = 25.3



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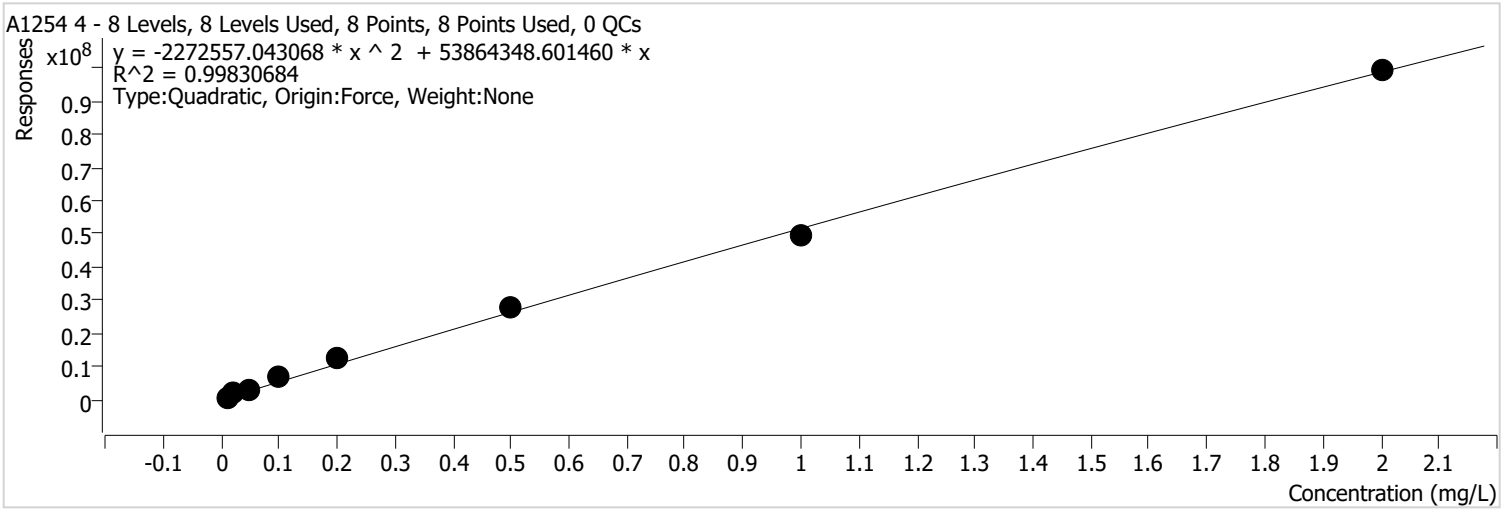
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	4041302	0.0500	80826030.1402	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	9199778	0.1000	91997781.0889	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	17458680	0.2000	87293400.7929	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	38943523	0.5000	77887045.9859	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	70621068	1.0000	70621068.4727	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	149584402	2.0000	74792201.0951	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 4 %RSE = 52.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	2228251	0.0200	111412565.2676	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	3069701	0.0500	61394028.5651	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	6926129	0.1000	69261291.2286	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	12565315	0.2000	62826573.7891	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	27722398	0.5000	55444796.4972	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	49512340	1.0000	49512340.2188	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	99050337	2.0000	49525168.4548	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
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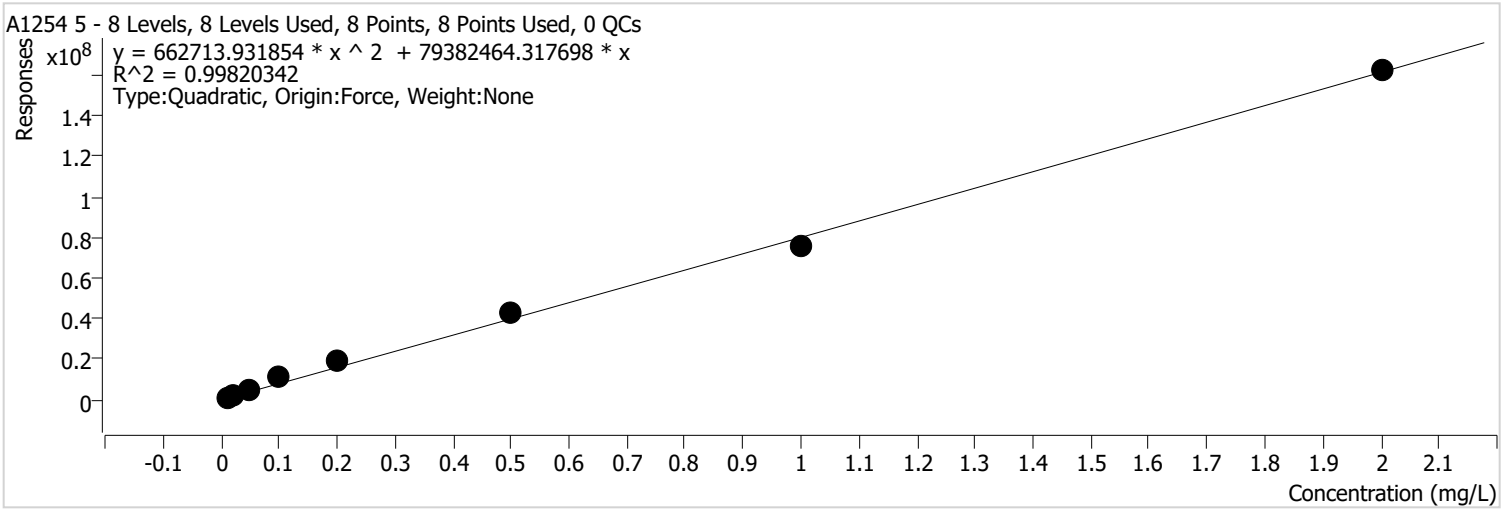
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

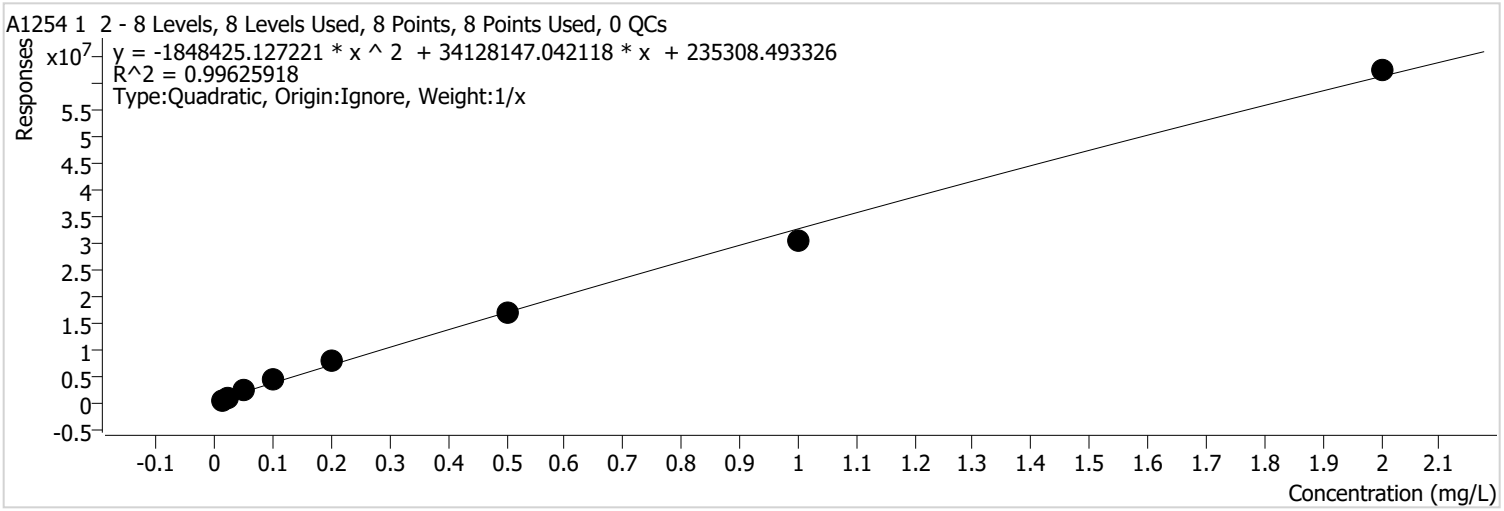
A1254 5 %RSE = 26.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	1020874	0.0100	10208741 9.6439	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1993529	0.0200	99676448 .6731	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	4751353	0.0500	95027052 .3297	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	10753746	0.1000	10753746 2.2424	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	18860824	0.2000	94304119 .8496	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	42553518	0.5000	85107036 .1156	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	76327536	1.0000	76327535 .6302	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	162139523	2.0000	81069761 .2765	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

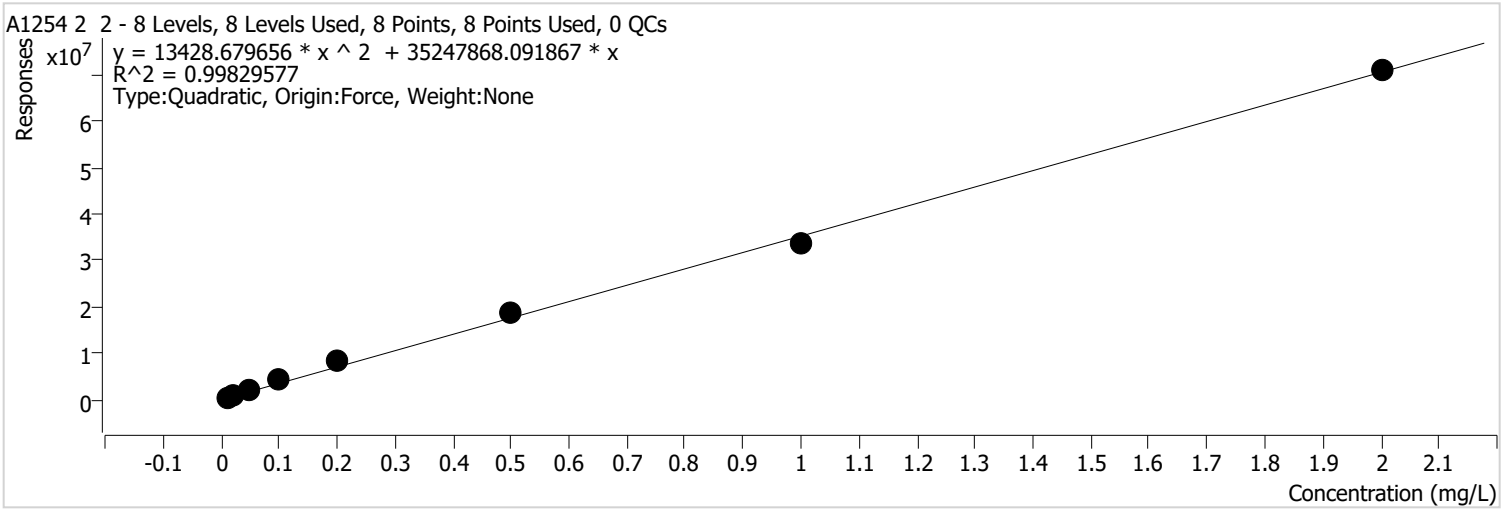
A1254 1 2 %RSE = 19.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	451635	0.0100	45163453.5256	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	980612	0.0200	49030615.3782	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2054540	0.0500	41090799.6005	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4167153	0.1000	41671526.9943	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	7671987	0.2000	38359936.8127	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	16802254	0.5000	33604508.3008	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	30206895	1.0000	30206895.4610	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	62162404	2.0000	31081201.7621	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

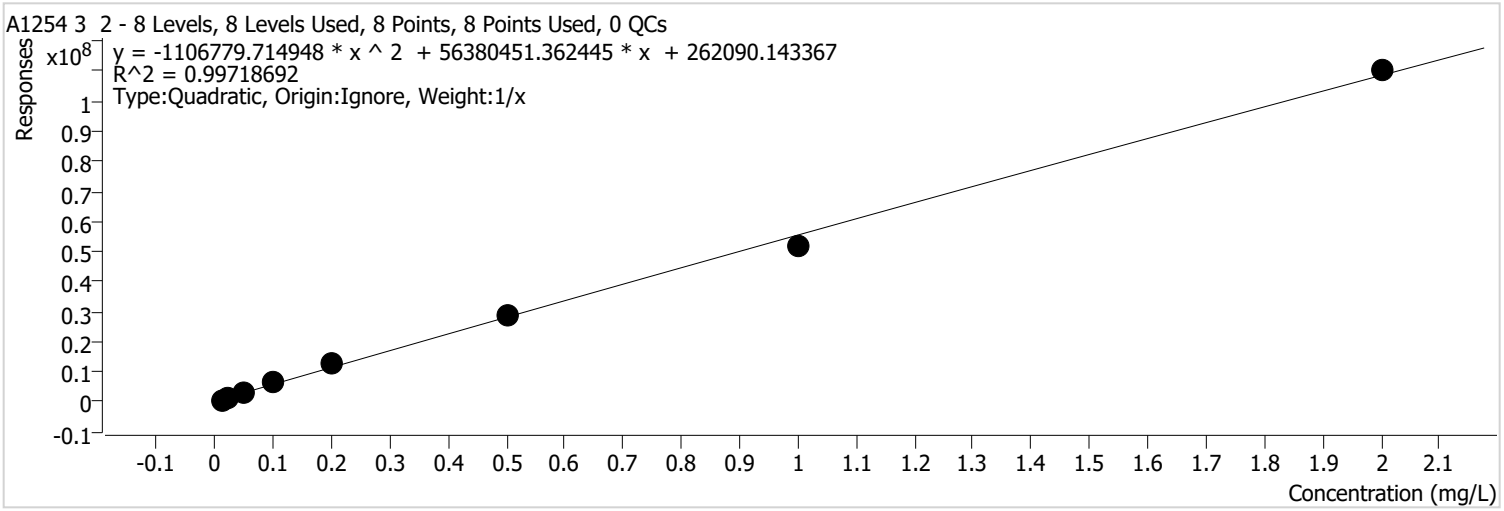
A1254 2 2 %RSE = 32.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	484954	0.0100	48495359.5819	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1059158	0.0200	52957882.2088	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	1985173	0.0500	39703465.3877	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4492117	0.1000	44921173.2075	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	8470833	0.2000	42354166.5894	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	18772932	0.5000	37545863.5221	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	33668459	1.0000	33668458.8550	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	70859255	2.0000	35429627.3418	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

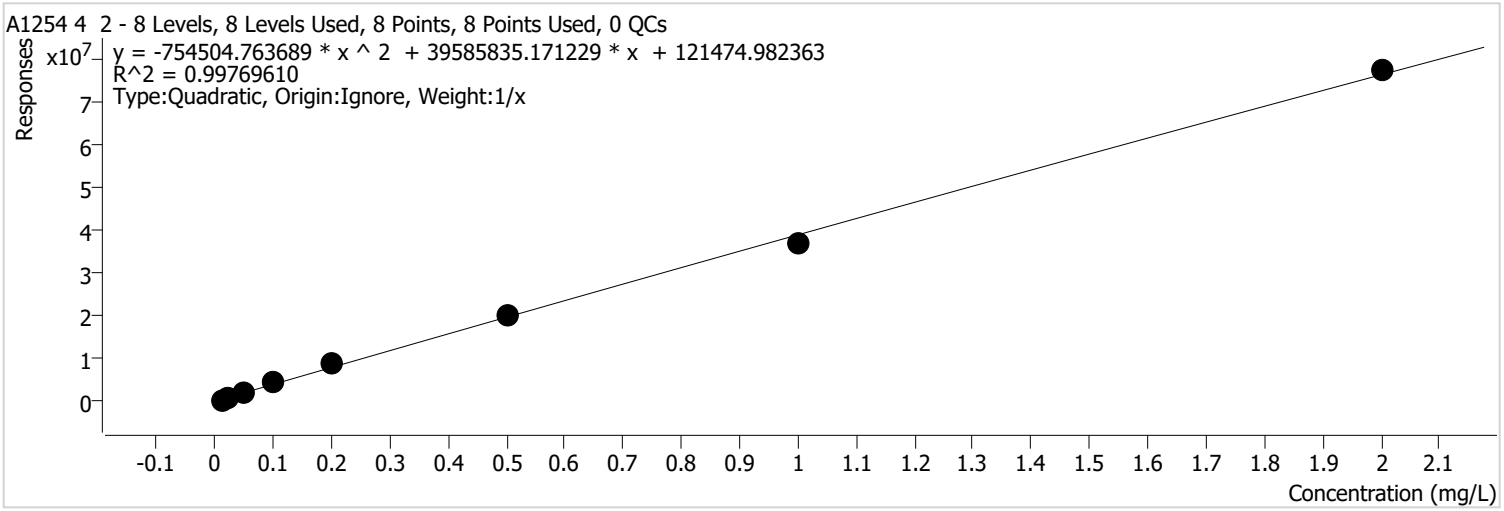
A1254 3 2 %RSE = 13.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	723400	0.0100	72339996.2119	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1487114	0.0200	74355714.8858	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2782341	0.0500	55646812.4860	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	6610456	0.1000	66104564.7499	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	12703123	0.2000	63515616.9206	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	28576557	0.5000	57153114.1770	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	51974329	1.0000	51974328.6251	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	110126299	2.0000	55063149.5740	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

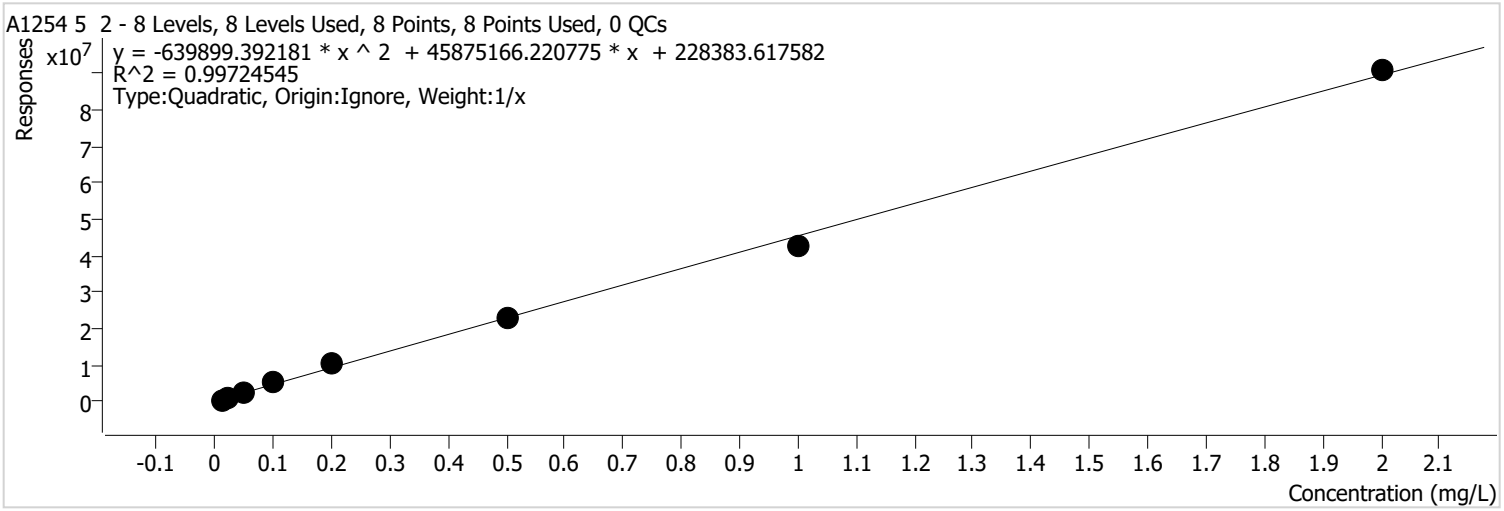
A1254 4 2 %RSE = 12.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	456167	0.0100	45616743.7009	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	992137	0.0200	49606842.0830	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	1842588	0.0500	36851751.2082	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4575383	0.1000	45753834.9499	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	8666046	0.2000	43330229.2589	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	20065006	0.5000	40130011.3551	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	36769274	1.0000	36769274.3145	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	77197100	2.0000	38598550.1918	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

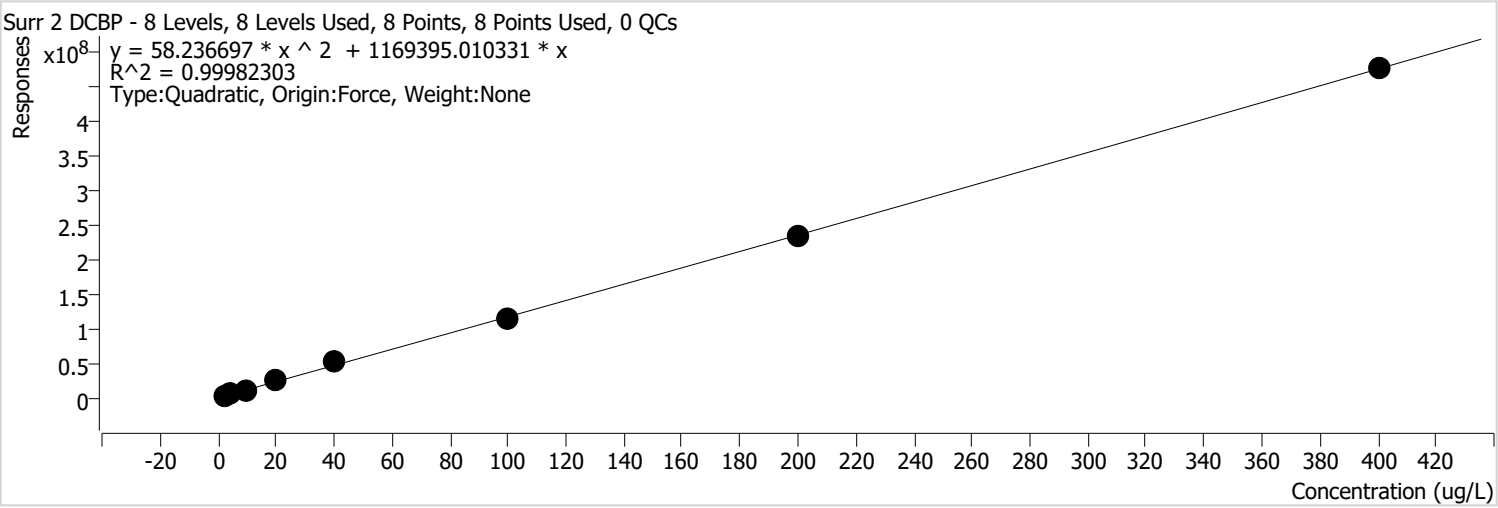
A1254 5 2 %RSE = 14.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	587780	0.0100	58778014.6034	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1251861	0.0200	62593052.6812	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2273246	0.0500	45464920.7455	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	5477425	0.1000	54774254.0032	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	10320059	0.2000	51600296.6787	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	23147064	0.5000	46294128.9996	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	42756438	1.0000	42756437.7267	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	90615453	2.0000	45307726.6005	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

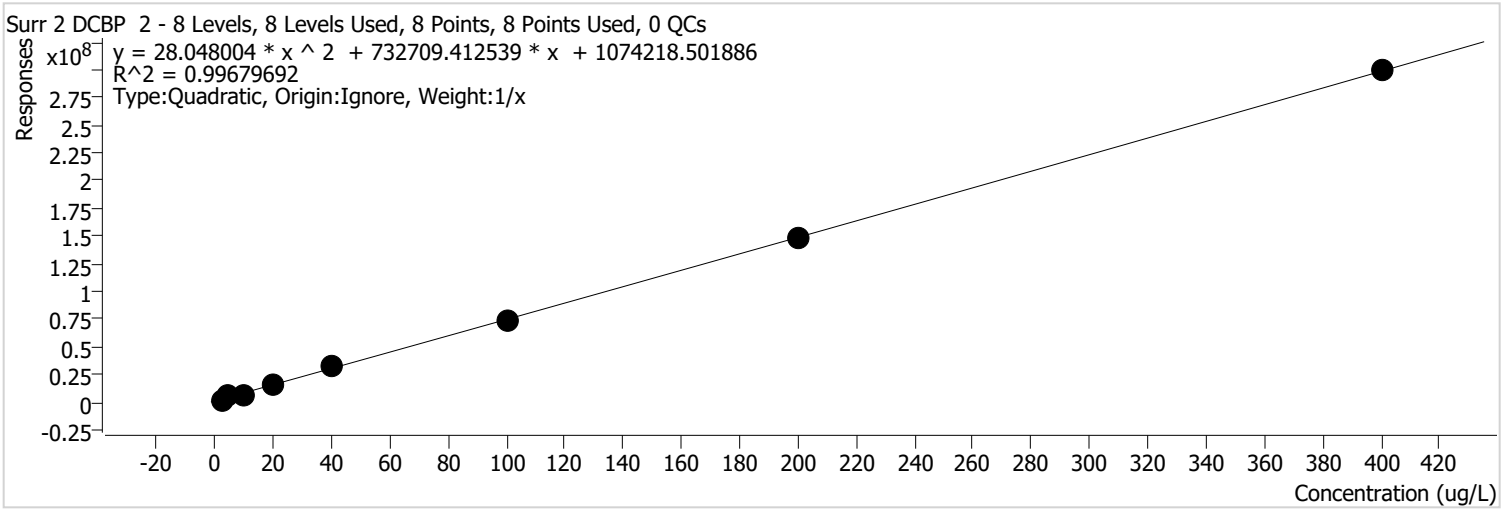
Surr 2 DCBP %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	3183383	2.0000	1591691.4434	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	6037207	4.0000	1509301.7922	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	10717279	10.0000	1071727.9287	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	26213780	20.0000	1310688.9819	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	51148440	40.0000	1278710.9979	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	115483968	100.0000	1154839.6777	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	235688984	200.0000	1178444.9213	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	477283772	400.0000	1193209.4297	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 2 DCBP 2 %RSE =

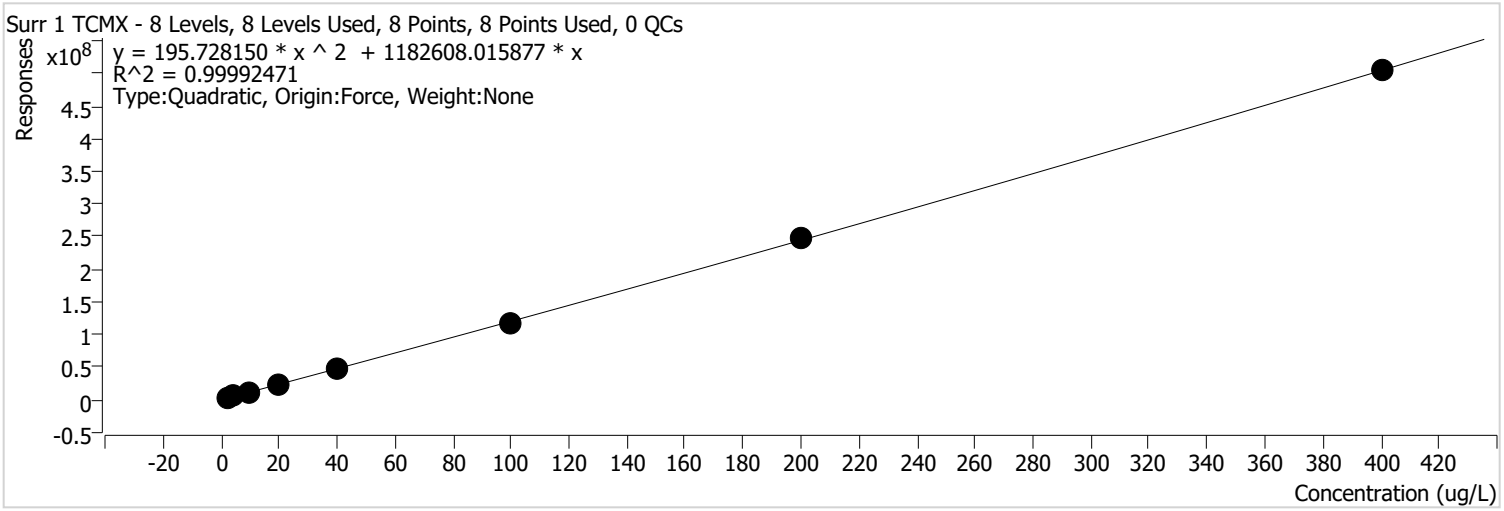


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	2044392	2.0000	1022196.0435	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	5552223	4.0000	1388055.6740	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	6444990	10.0000	644498.9905	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	16188871	20.0000	809443.5344	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	32492648	40.0000	812316.1880	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	73000396	100.0000	730003.9561	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	148348565	200.0000	741742.8246	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	299053711	400.0000	747634.2781	

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:30 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

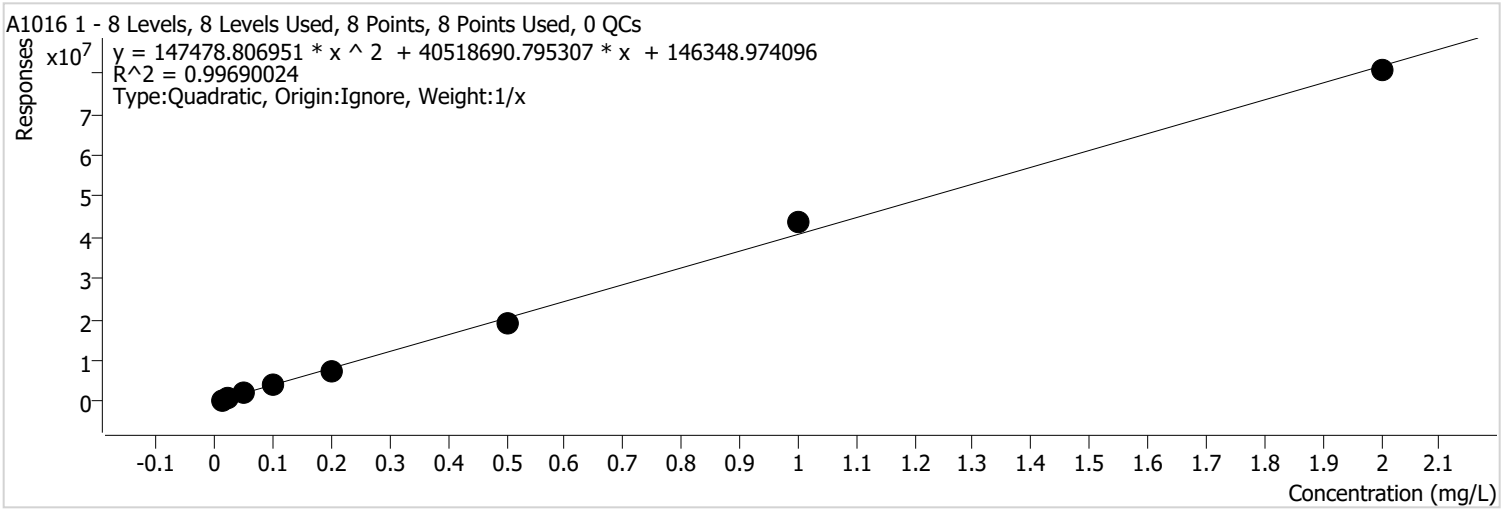
Surr 1 TCMX %RSE = 4.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	2474438	2.0000	1237219.1706	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	4987633	4.0000	1246908.2243	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	12384484	10.0000	1238448.4010	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	24518060	20.0000	1225902.9840	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	45851613	40.0000	1146290.3301	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	117657330	100.0000	1176573.3042	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	246692607	200.0000	1233463.0357	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	503949613	400.0000	1259874.0320	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

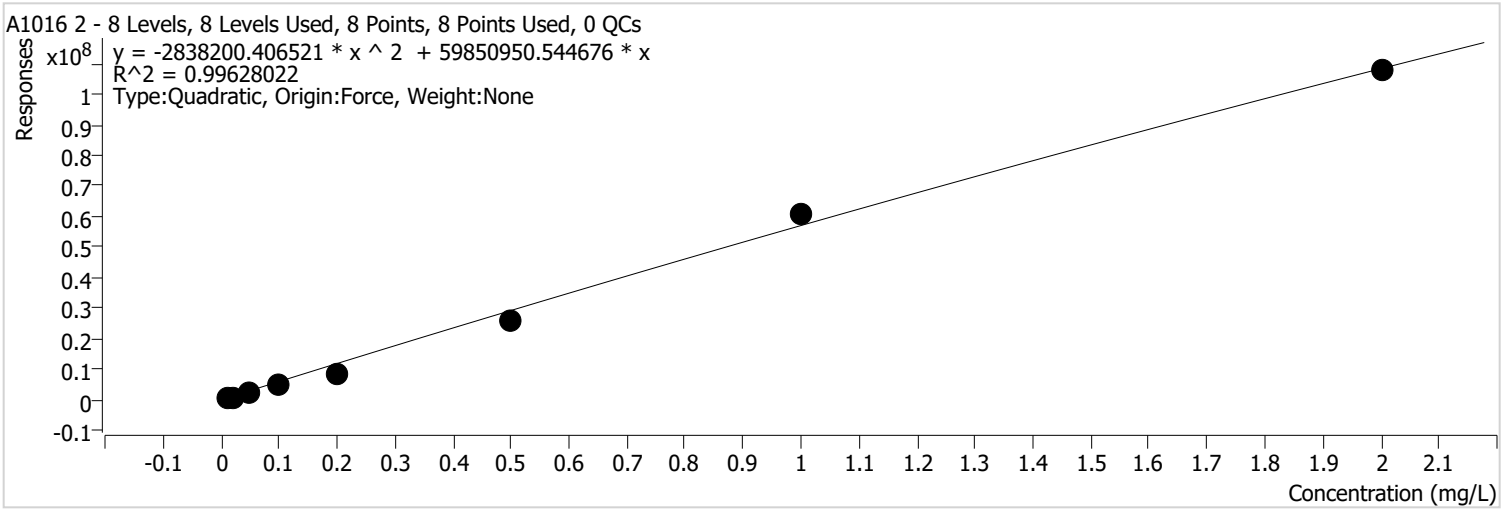
A1016 1 %RSE = 7.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	540249	0.0100	54024874.9832	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1015891	0.0200	50794541.9577	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2256885	0.0500	45137701.9491	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	4236470	0.1000	42364702.3382	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	7565183	0.2000	37825913.9081	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	18919821	0.5000	37839642.8154	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	44011403	1.0000	44011402.5153	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	80619491	2.0000	40309745.2835	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

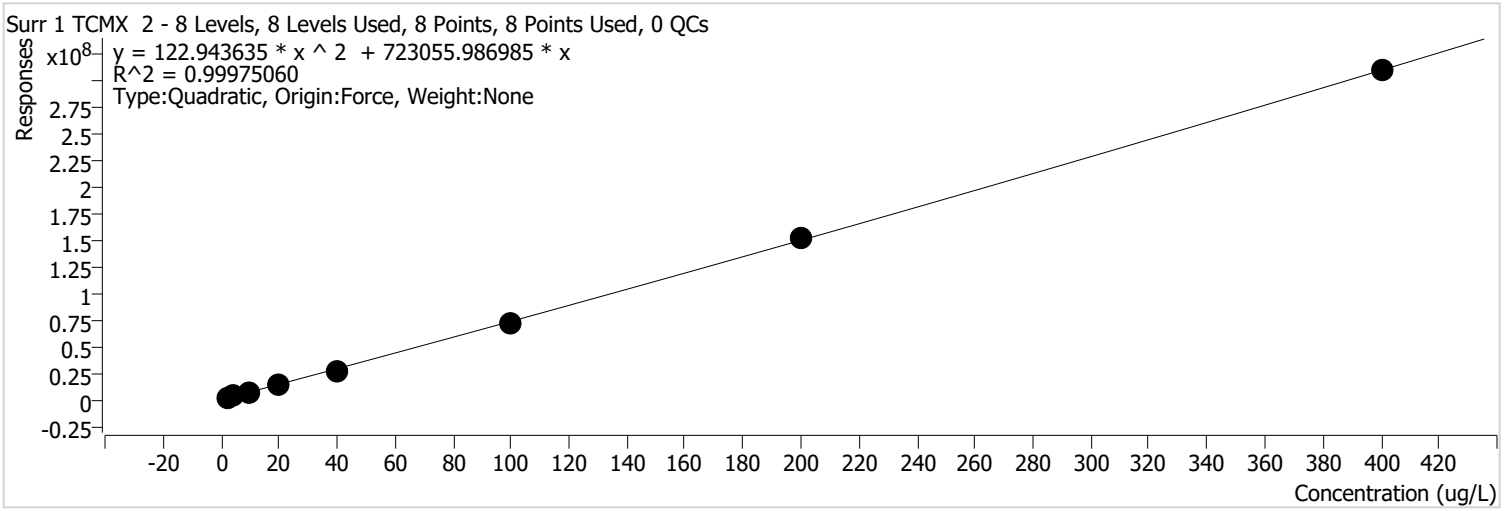
A1016 2 %RSE = 18.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	627978	0.0100	62797773.7890	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1009212	0.0200	50460581.6849	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2439382	0.0500	48787633.7407	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5094470	0.1000	50944700.0329	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	8813052	0.2000	44065261.7449	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	25705784	0.5000	51411568.8418	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	60964923	1.0000	60964923.3944	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	107613391	2.0000	53806695.4342	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

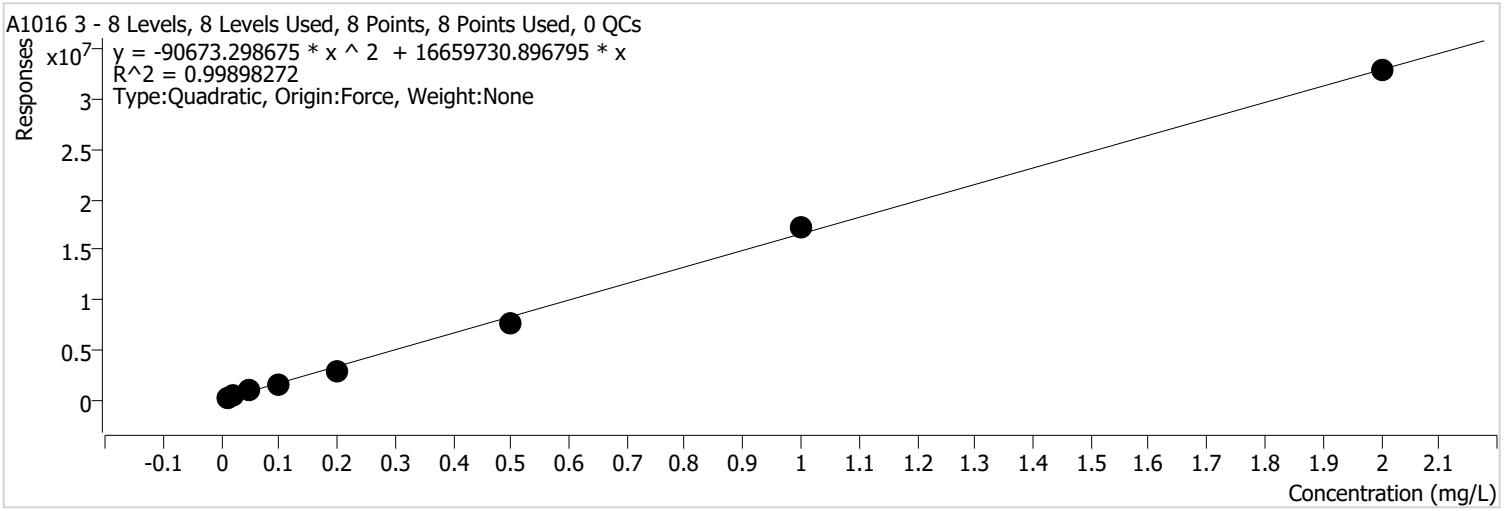
Surr 1 TCMX 2 %RSE = 4.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1503774	2.0000	751887.1802	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	3067405	4.0000	766851.1424	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	7327299	10.0000	732729.8999	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	14477484	20.0000	723874.1895	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	27169955	40.0000	679248.8664	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	70673943	100.0000	706739.4275	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	152366404	200.0000	761832.0216	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	308382330	400.0000	770955.8244	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

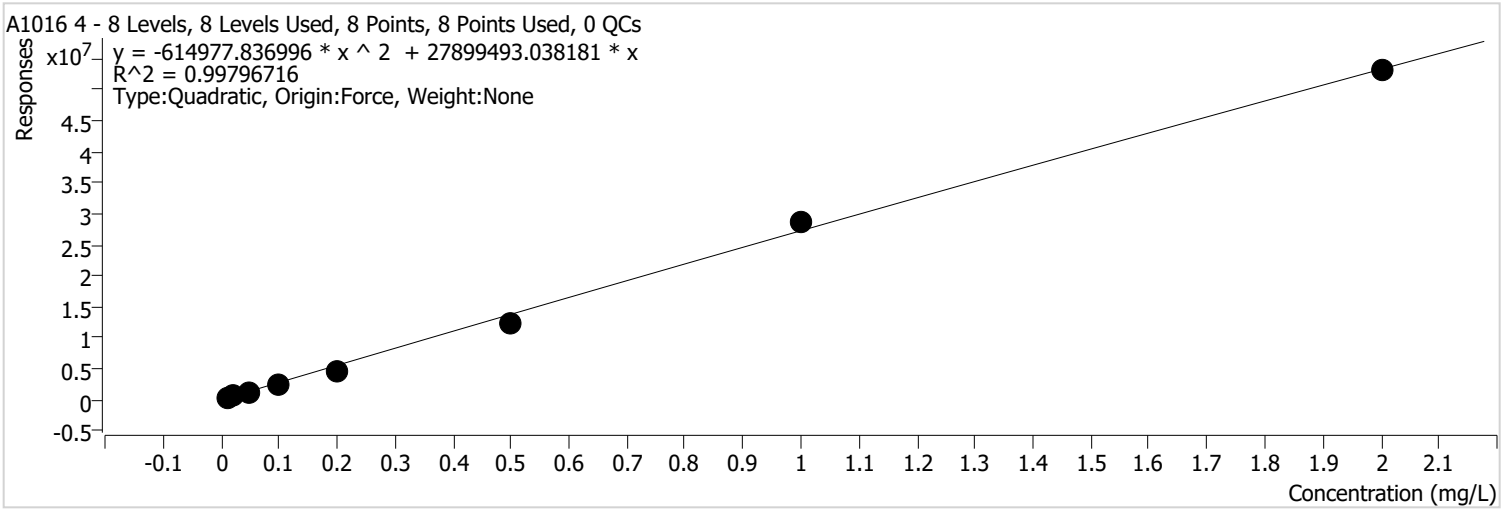
A1016 3 %RSE = 9.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	150518	0.0100	15051764.4428	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	347023	0.0200	17351127.6415	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	891972	0.0500	17839430.6314	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1592932	0.1000	15929318.1107	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	2808702	0.2000	14043512.2787	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	7760432	0.5000	15520863.4808	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	17173897	1.0000	17173896.8888	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	32845070	2.0000	16422535.0625	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

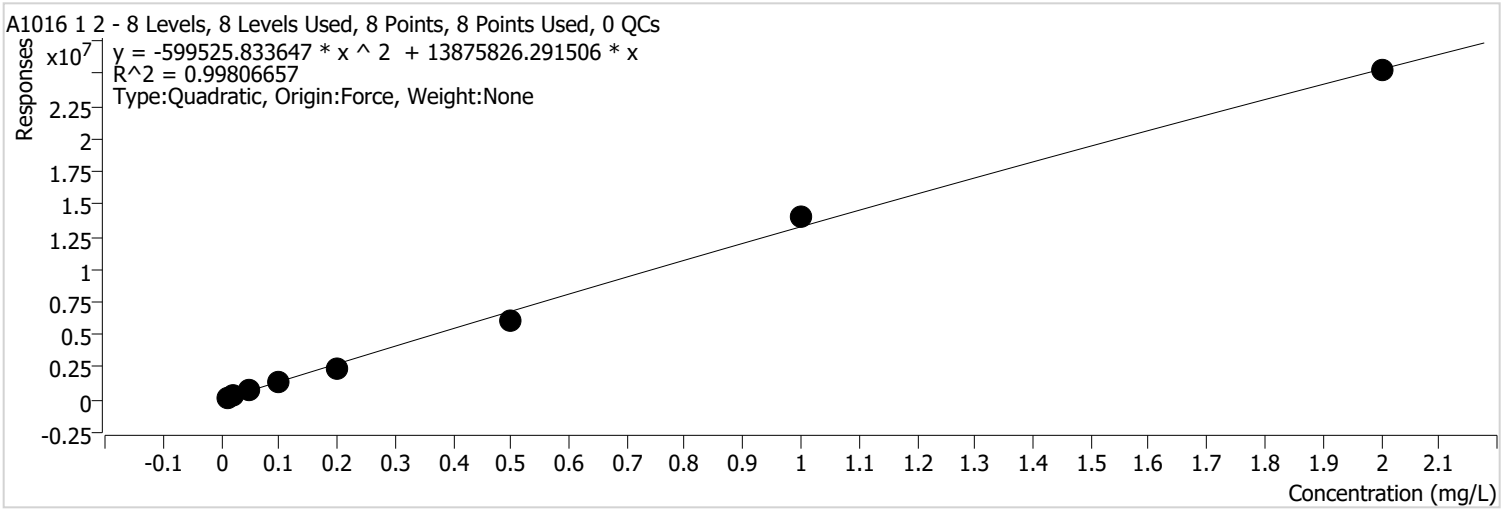
A1016 4 %RSE = 9.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	264805	0.0100	26480526.0256	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	561269	0.0200	28063472.0185	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1342581	0.0500	26851617.8650	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2651472	0.1000	26514719.9651	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	4621923	0.2000	23109614.1009	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	12370922	0.5000	24741844.6725	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	28719583	1.0000	28719582.8557	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	53079072	2.0000	26539535.8344	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

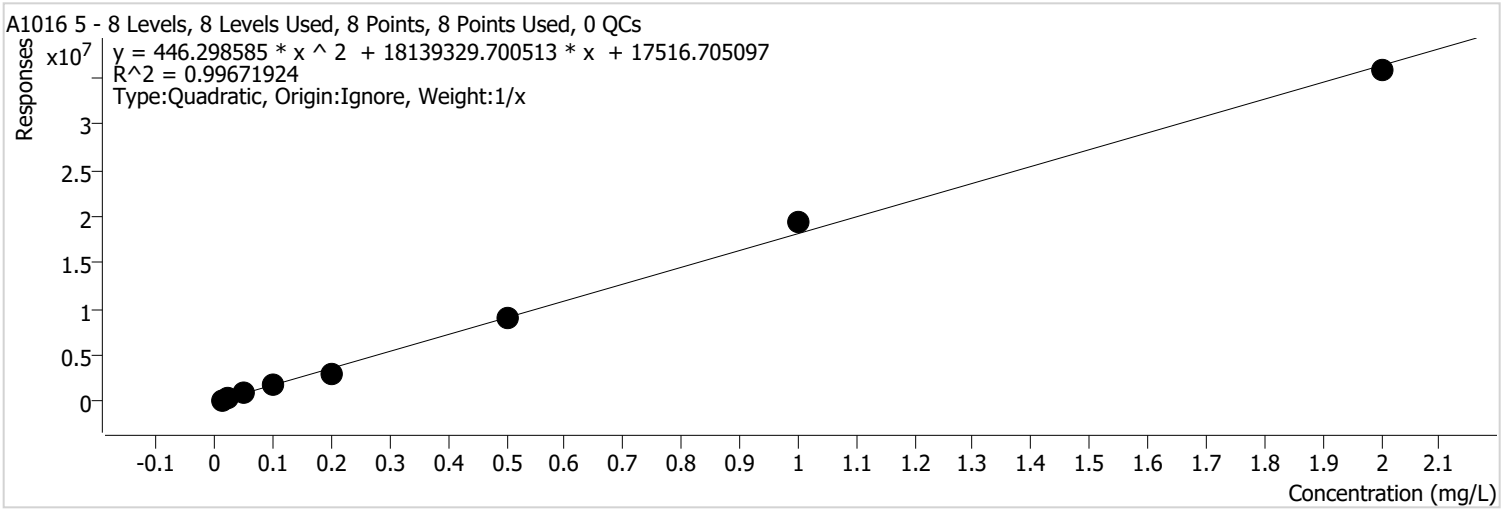
A1016 1 2 %RSE = 12.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	118129	0.0100	11812870.0000	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	244314	0.0200	12215704.7390	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	698533	0.0500	13970657.9333	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1290690	0.1000	12906899.7625	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	2386611	0.2000	11933056.9827	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	6093266	0.5000	12186532.2497	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	13946998	1.0000	13946997.5693	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	25233171	2.0000	12616585.3501	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

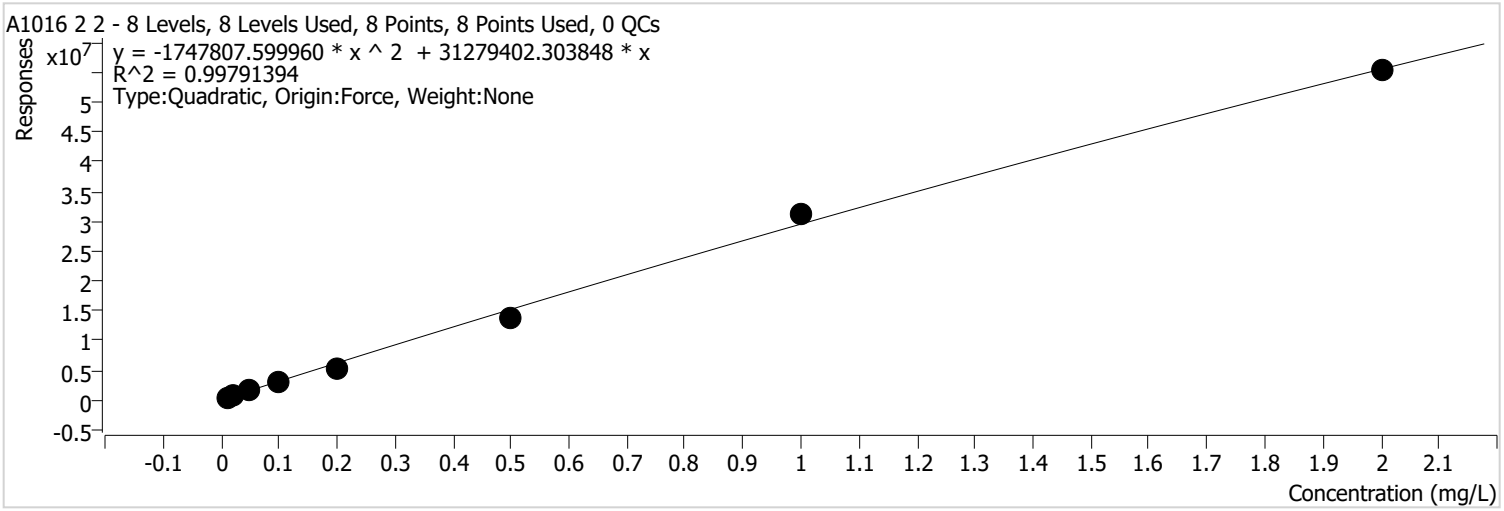
A1016 5 %RSE = 11.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	228423	0.0100	22842325.0434	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	385241	0.0200	19262071.5594	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	918195	0.0500	18363893.8530	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1732271	0.1000	17322706.8867	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	3056648	0.2000	15283237.9293	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	9003701	0.5000	18007401.7278	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	19474641	1.0000	19474641.2200	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	35723980	2.0000	17861989.9337	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

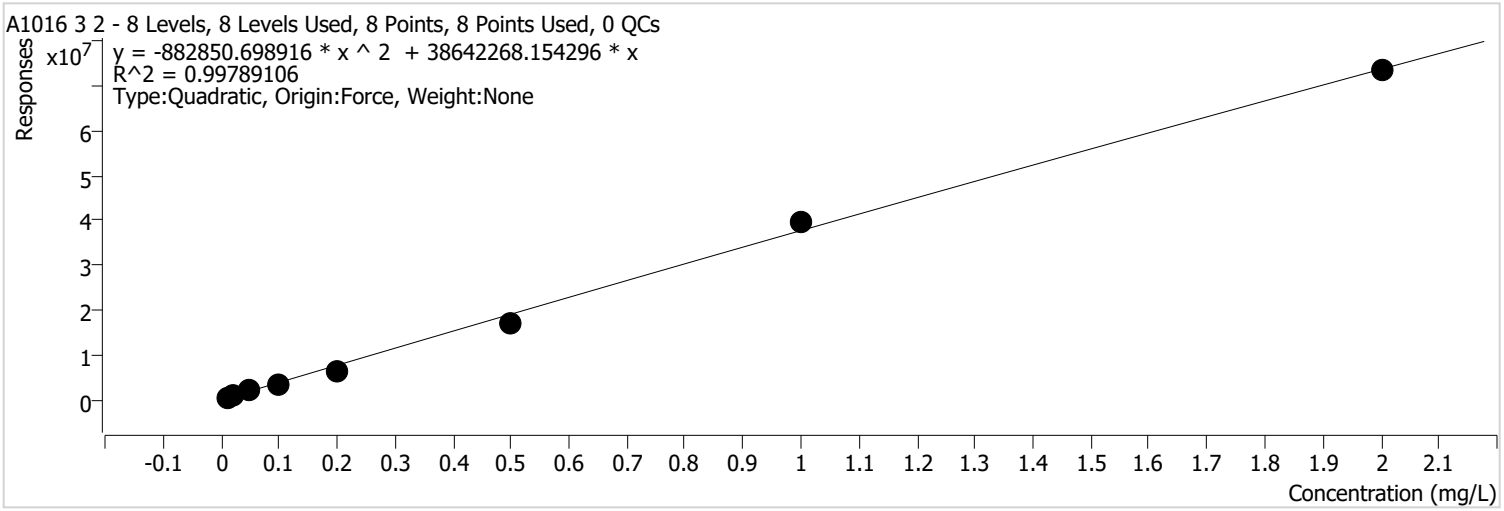
A1016 2 2 %RSE = 14.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	386077	0.0100	38607675.4343	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	627581	0.0200	31379063.7233	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1483941	0.0500	29678813.0000	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2919339	0.1000	29193390.2500	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	5269785	0.2000	26348922.8750	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	13662960	0.5000	27325920.0000	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	31058385	1.0000	31058384.5500	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	55291798	2.0000	27645899.2000	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

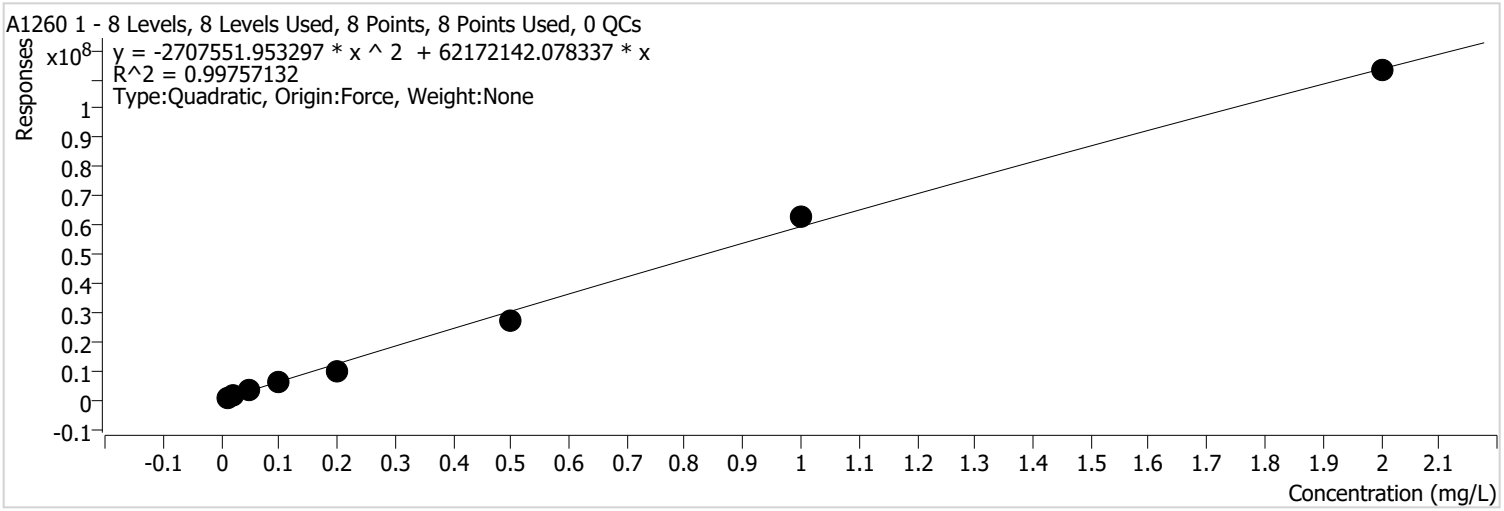
A1016 3 2 %RSE = 18.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	513215	0.0100	51321501.3373	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	851252	0.0200	42562596.9827	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1903978	0.0500	38079559.5011	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	3656426	0.1000	36564258.7508	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	6436607	0.2000	32183034.3425	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	17061022	0.5000	34122044.0001	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	39776008	1.0000	39776007.7546	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	73389516	2.0000	36694758.1582	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

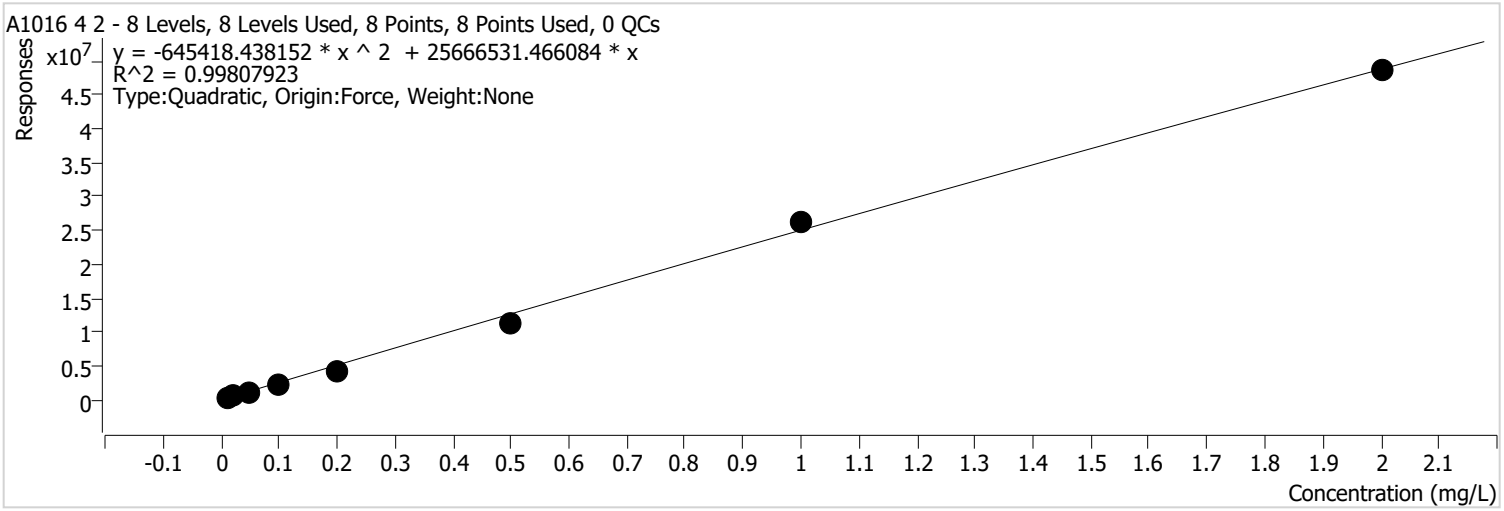
A1260 1 %RSE = 10.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	616855	0.0100	61685464.6166	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1228008	0.0200	61400419.3559	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2966130	0.0500	59322605.6706	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5874542	0.1000	58745416.6504	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	9863955	0.2000	49319772.7881	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	27258601	0.5000	54517202.8499	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	62787763	1.0000	62787762.9214	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	112905692	2.0000	56452845.7869	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

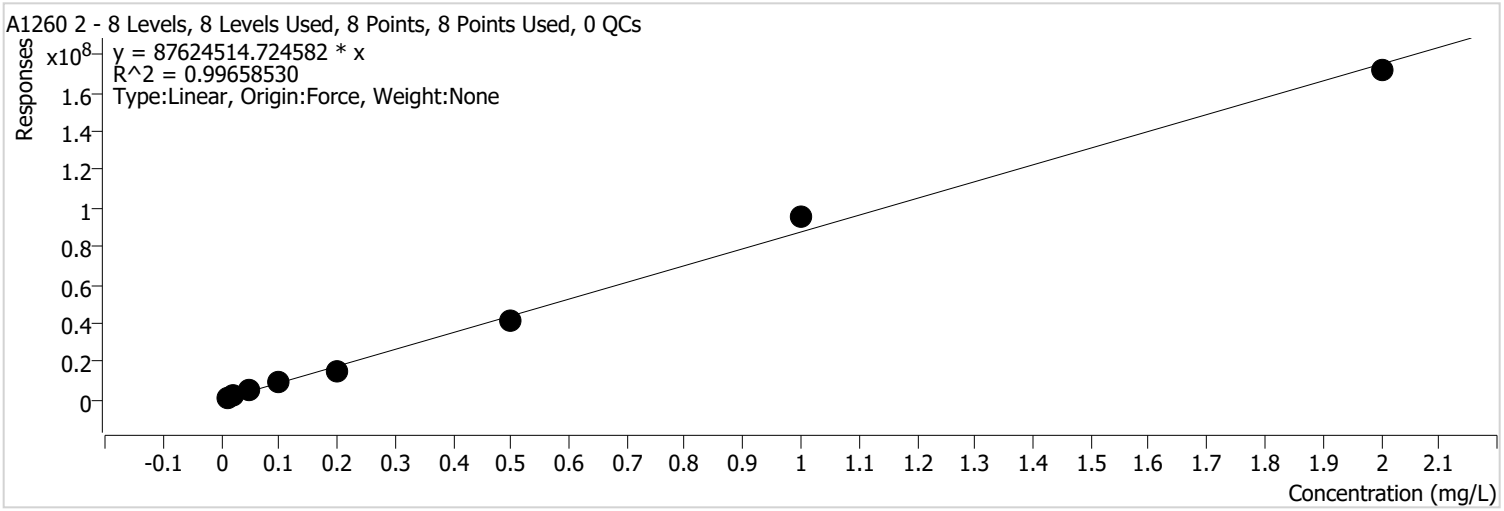
A1016 4 2 %RSE = 12.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	227079	0.0100	22707914.1335	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	461159	0.0200	23057966.0740	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1204375	0.0500	24087492.4589	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2346306	0.1000	23463058.8477	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	4314034	0.2000	21570168.5271	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	11406542	0.5000	22813084.7129	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	26306607	1.0000	26306607.1293	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	48517625	2.0000	24258812.3796	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

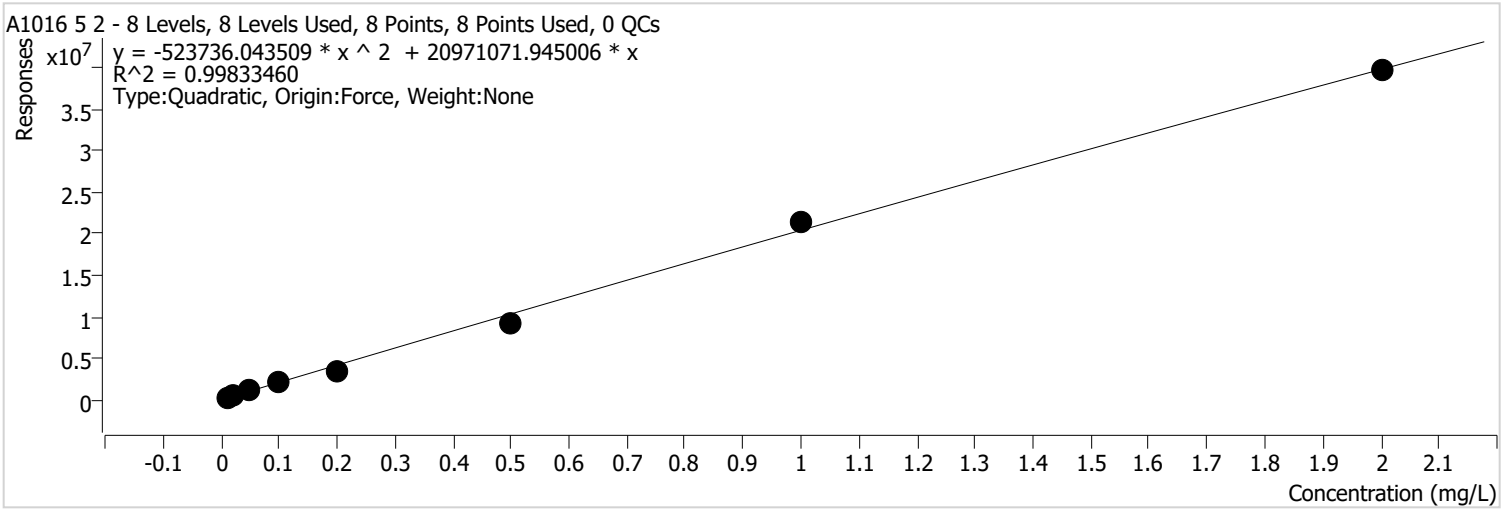
A1260 2 %RSE = 8.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	965094	0.0100	96509437.2949	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1927415	0.0200	96370772.9265	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	4578738	0.0500	91574756.2738	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	8884910	0.1000	88849103.4044	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	15527304	0.2000	77636521.9623	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	41930524	0.5000	83861047.8932	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	95966340	1.0000	95966339.7632	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	171735056	2.0000	85867527.9480	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

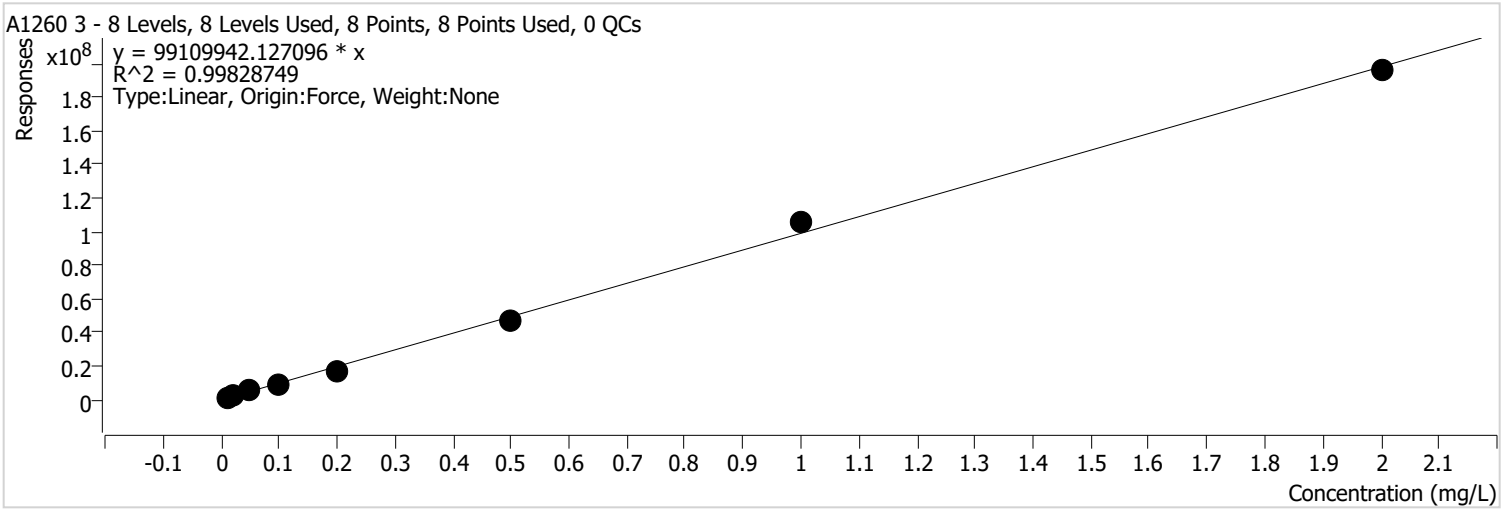
A1016 5 2 %RSE = 8.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	213435	0.0100	21343518.4290	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	418158	0.0200	20907922.1111	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1079679	0.0500	21593582.7422	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2073012	0.1000	20730121.4273	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	3579738	0.2000	17898689.6690	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	9357938	0.5000	18715876.9715	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	21408890	1.0000	21408890.3534	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	39675065	2.0000	19837532.3619	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

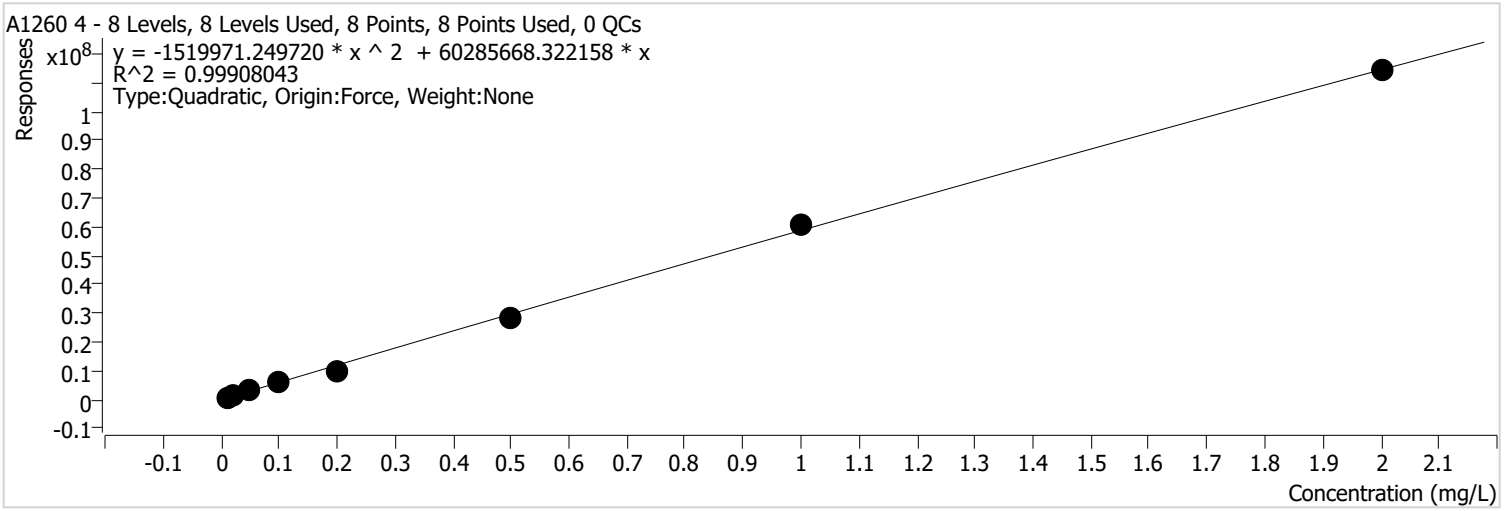
A1260 3 %RSE = 6.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1006370	0.0100	10063696 4.8941	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	2025009	0.0200	10125044 5.0070	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	5089679	0.0500	10179358 5.3517	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	9682808	0.1000	96828080 .5000	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	17319134	0.2000	86595671 .7116	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	47340623	0.5000	94681245 .5228	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	105501165	1.0000	10550116 5.3579	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	195835695	2.0000	97917847 .7125	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

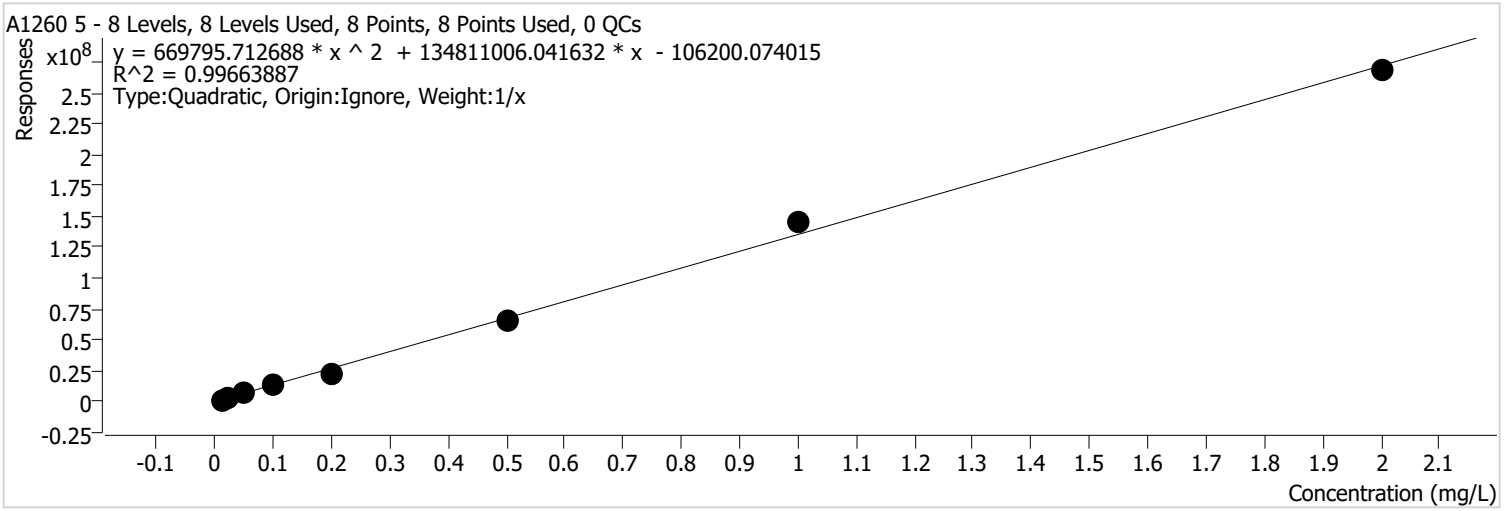
A1260 4 %RSE = 8.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	558458	0.0100	55845836.2392	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1195363	0.0200	59768143.7500	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2982536	0.0500	59650712.0000	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5929847	0.1000	59298469.0000	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	10045708	0.2000	50228539.9302	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	28118115	0.5000	56236229.7100	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	60721328	1.0000	60721327.6667	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	114125074	2.0000	57062537.0097	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

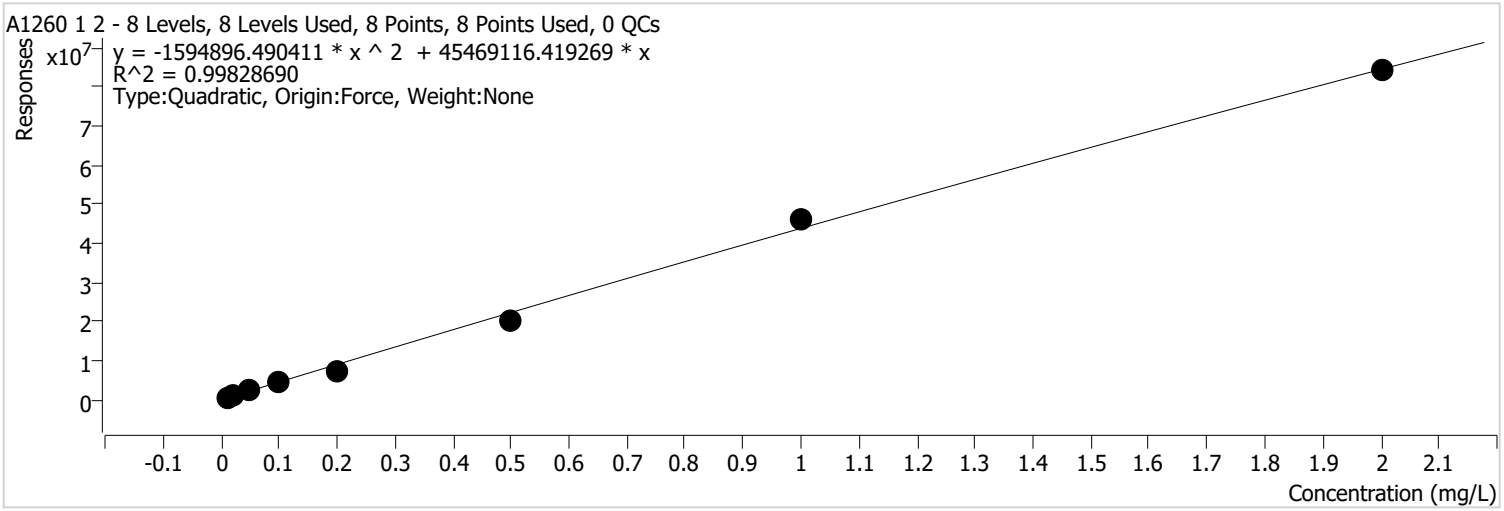
A1260 5 %RSE = 9.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1257434	0.0100	12574340 8.8116	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	2859327	0.0200	14296634 8.5981	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	6668126	0.0500	13336252 4.9736	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	13609710	0.1000	13609709 6.0557	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	22640017	0.2000	11320008 5.6770	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	65007120	0.5000	13001423 9.7761	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	145641580	1.0000	14564158 0.1325	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	268085715	2.0000	13404285 7.7217	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

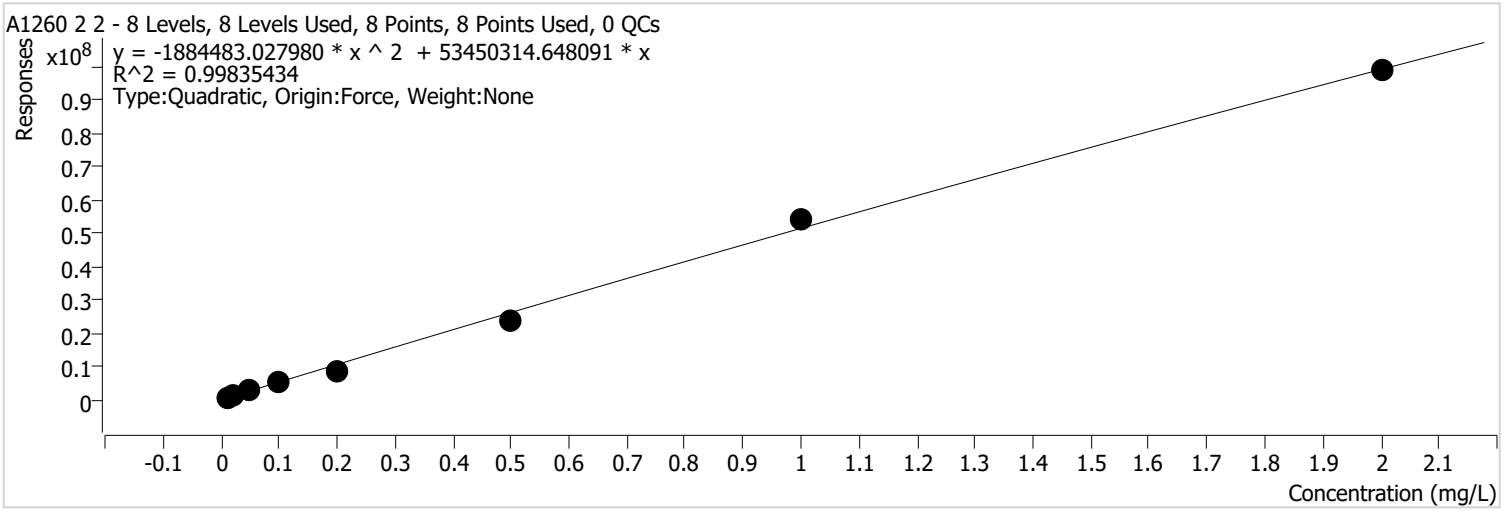
A1260 1 2 %RSE = 9.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	454898	0.0100	45489785.8995	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	962199	0.0200	48109947.6069	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2229708	0.0500	44594160.3693	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	4429510	0.1000	44295098.2366	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	7527890	0.2000	37639448.8096	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	20330660	0.5000	40661319.0826	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	45939899	1.0000	45939899.0049	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	84182845	2.0000	42091422.5107	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

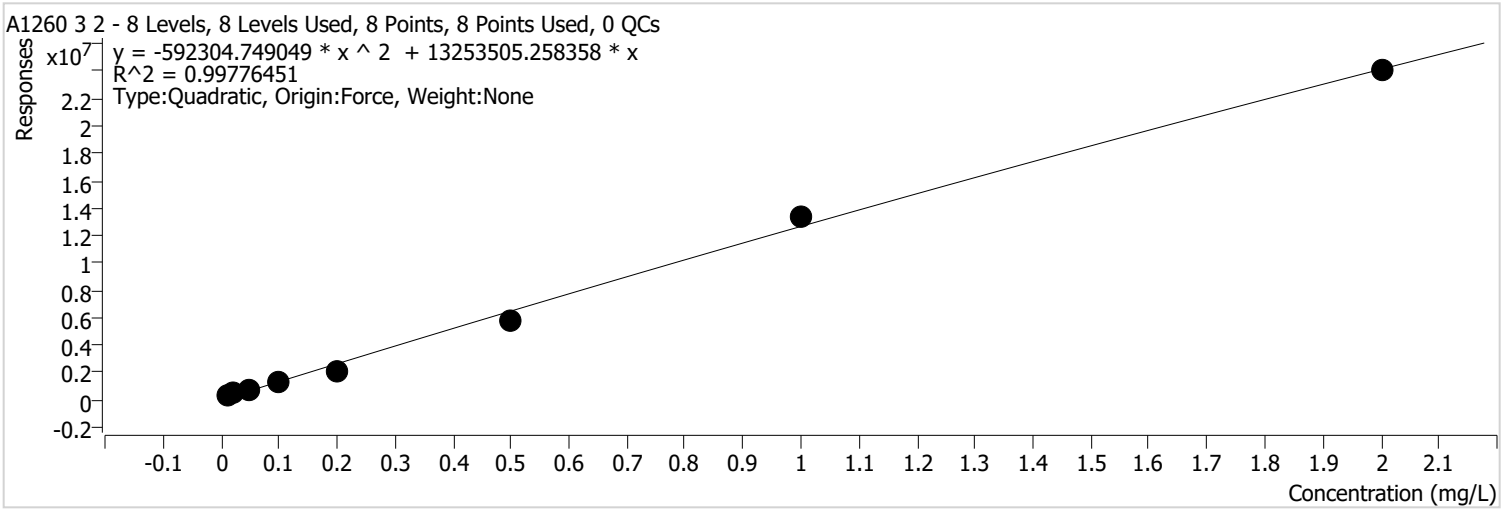
A1260 2 2 %RSE = 10.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	574088	0.0100	57408781.4850	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1191845	0.0200	59592268.6636	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2696925	0.0500	53938500.8158	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5272622	0.1000	52726215.2110	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	8812576	0.2000	44062878.0157	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	23979917	0.5000	47959834.1116	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	53921832	1.0000	53921832.4939	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	98933953	2.0000	49466976.4371	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

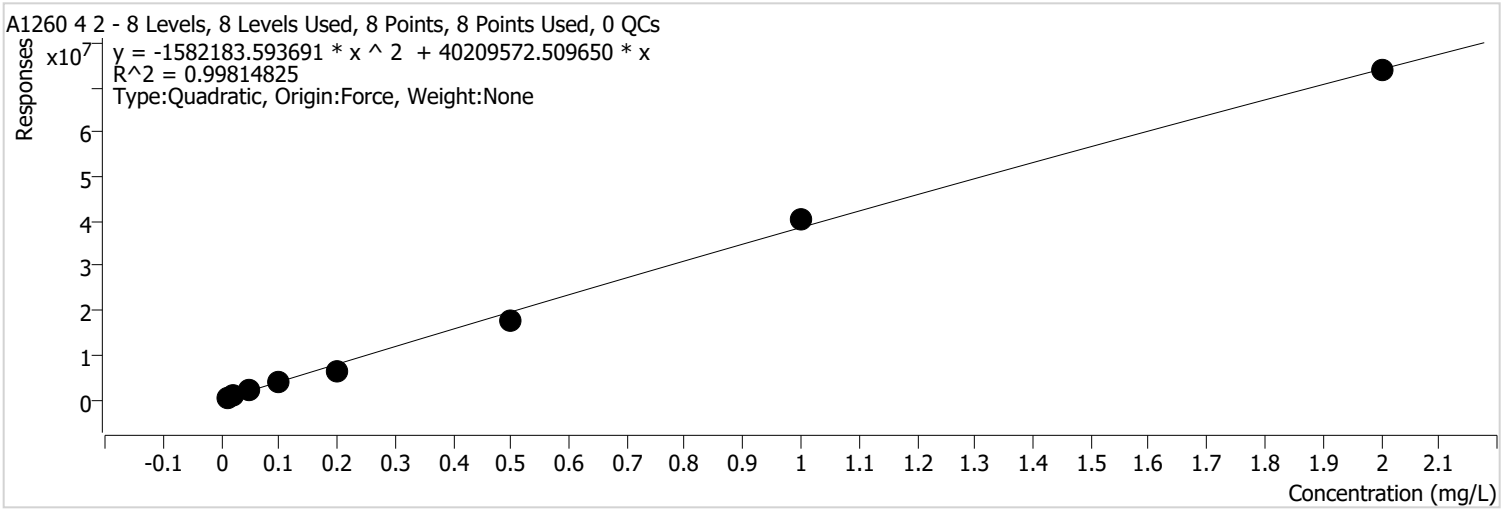
A1260 3 2 %RSE = 63.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	279268	0.0100	27926845.2679	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	488073	0.0200	24403625.6571	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	627223	0.0500	12544455.7110	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1263999	0.1000	12639986.8594	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	2162254	0.2000	10811270.6137	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	5839826	0.5000	11679651.4646	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	13309733	1.0000	13309732.5095	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	24020368	2.0000	12010184.0239	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

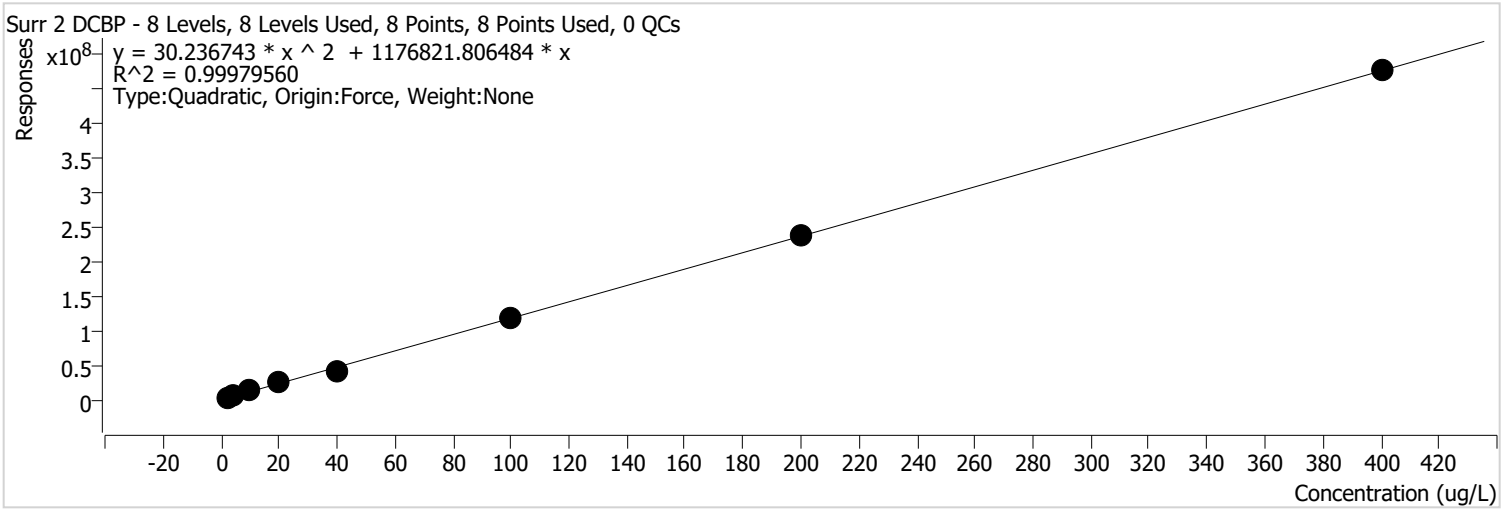
A1260 4 2 %RSE = 10.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	399874	0.0100	39987371.3445	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	817063	0.0200	40853155.1739	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1956455	0.0500	39129099.9081	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	3900081	0.1000	39000814.0881	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	6435840	0.2000	32179198.0000	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	17999271	0.5000	35998541.8783	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	40489618	1.0000	40489617.6979	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	73747447	2.0000	36873723.5210	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

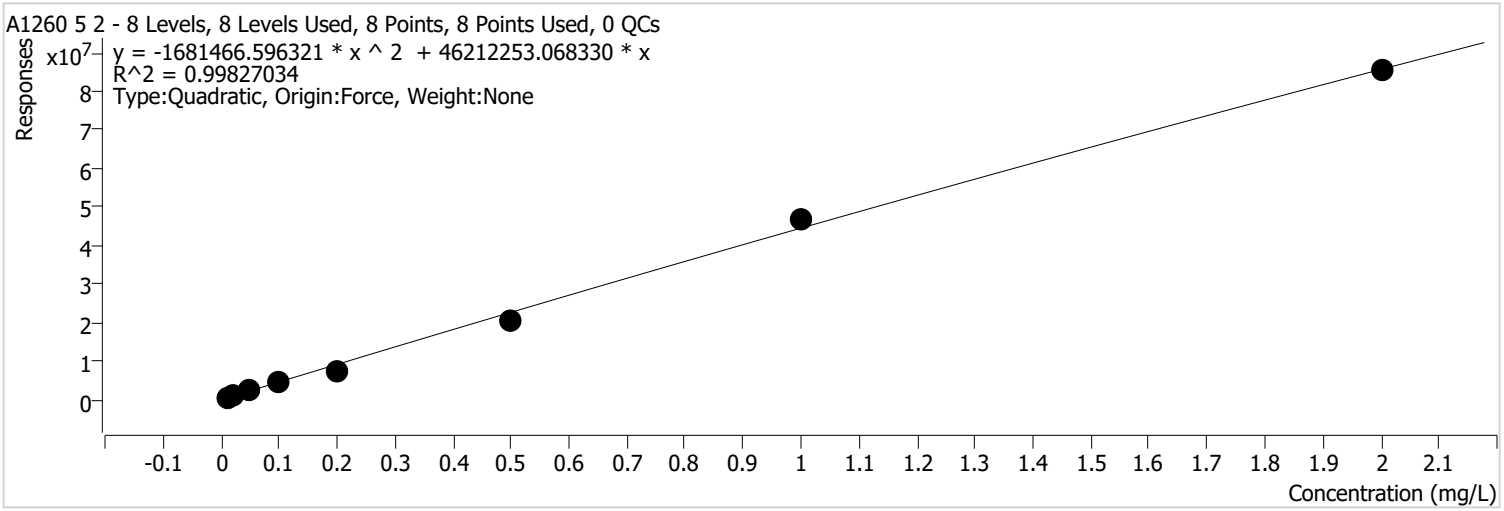
Surr 2 DCBP %RSE = 17.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	2835631	2.0000	1417815.4750	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	5817839	4.0000	1454459.7125	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	13631698	10.0000	1363169.7908	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	26596560	20.0000	1329827.9919	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	42559761	40.0000	1063994.0220	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	119959526	100.0000	1199595.2593	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	235920666	200.0000	1179603.3313	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	475643166	400.0000	1189107.9138	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

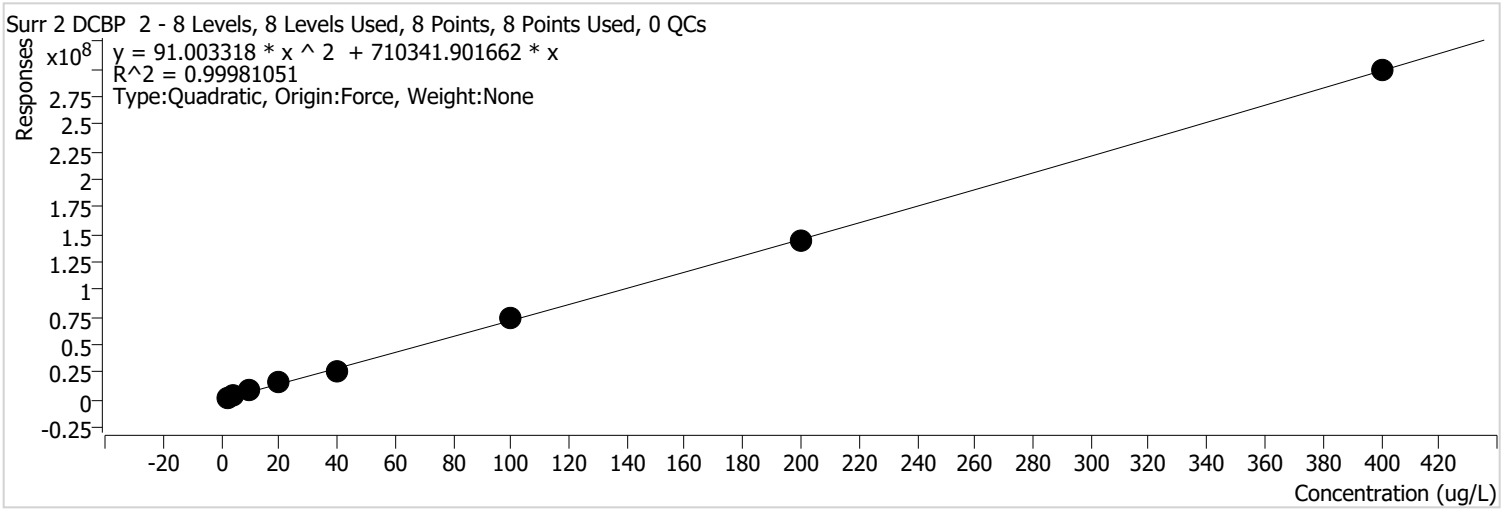
A1260 5 2 %RSE = 9.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	451222	0.0100	45122185.3248	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	939333	0.0200	46966672.7422	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2281184	0.0500	45623673.9193	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	4526047	0.1000	45260473.1199	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	7518618	0.2000	37593090.3608	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	20721889	0.5000	41443778.3307	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	46616994	1.0000	46616994.0487	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	85316606	2.0000	42658302.9412	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 2 DCBP 2 %RSE = 15.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1684288	2.0000	842143.9444	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	3386402	4.0000	846600.5281	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	8128369	10.0000	812836.8712	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	15858823	20.0000	792941.1733	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	25637587	40.0000	640939.6710	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	73246076	100.0000	732460.7624	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	145351163	200.0000	726755.8147	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	298729745	400.0000	746824.3635	

Zq 8/31/2021

PCB Calibration

Date: 09/30/21

Analyst: Sam Beerman

Hexane: 5931

Cal		ICV	
Aroclor 1660:	25029	Aroclor 1660:	24706
Aroclor 1254:	23466	Aroclor 1254:	24708

Surrogate: 25760

Spike Conc. (ppb)	Surr Conc. (ppb)	2° Spike (uL)	1° Spike (uL)	Surr (uL)	Remove (uL)	Final Vol. (mL)	Comments
10	2	5	--	--	5	1	
20	4	10	--	--	10	1	
50	10	25	--	--	25	1	
100	20	50	--	--	50	1	
200	40	100	--	--	100	1	
500	100	250	--	--	250	1	
1000	200	--	1	10	2 11	1	SM 9/30/21
2000	400	--	2	20	4 22	1	SM 9/30/21
ICB	200	--	--	10	10	1	
ICV (1000 ppb)	200	--	1	10	2 11	1	SM 9/30/21

	1660 (uL)	1254 (uL)	Surr (uL)	Final Volume (mL)
2° Intermediate (1660)	2	--	2	1
2° Intermediate (1254)	--	2	2	1

Signature and Date: 9/30/21

Signature: EM

DATA SET for Review -- Deliverable Requirements

Total Metals by EPA Method 6020B

Fremont Analytical Work Order No. 2109508

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Infomation

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\100821eh\
Report Date/Time: Monday, October 11, 2021 07:50:51

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	LDR	10:42:54 Fri 08-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	LDR	10:49:55 Fri 08-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	RINSE	10:55:11 Fri 08-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	LDR	10:57:11 Fri 08-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	2109408-0012I	10:59:45 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109411-002E	11:03:05 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109419-001D	11:05:24 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109425-001B	11:07:43 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109359-001C	11:10:03 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _	gistix\ICPMS\DataSet\Oct2021\10082
	2109363-001C	11:12:23 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _	gistix\ICPMS\DataSet\Oct2021\10082
	2109363-002C	11:14:42 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _	gistix\ICPMS\DataSet\Oct2021\10082
	2109390-008E	11:17:02 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _	gistix\ICPMS\DataSet\Oct2021\10082
	2109397-006H	11:19:21 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _	gistix\ICPMS\DataSet\Oct2021\10082
	2109080-001G	11:21:40 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _	gistix\ICPMS\DataSet\Oct2021\10082
	CCV	11:24:00 Fri 08-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	CCB	11:26:20 Fri 08-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	CCV	11:29:48 Fri 08-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	CCB	11:32:08 Fri 08-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	CAL BLK IS 23514	11:40:49 Fri 08-Oc	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	WASH	11:43:08 Fri 08-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	CAL BLK IS 23514	11:47:32 Fri 08-Oc	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
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	Standard 8	11:52:11 Fri 08-Oc	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
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	2109425-001B	12:15:32 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
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	2109384-004A	12:24:50 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109384-005A	12:27:09 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
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	2109384-013A	12:50:24 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109384-014A	12:52:44 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109384-015A	12:55:03 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109384-016A	12:57:22 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	CCV	12:59:43 Fri 08-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	

CCB	13:02:04 Fri 08-OcQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
rinse	13:05:02 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
rinse	13:07:22 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CAL BLK IS 23514	13:09:42 Fri 08-OcBlank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2109384-017A	13:15:24 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10082
wash	13:17:44 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
MB-33891	13:20:03 Fri 08-OcSample	C:\Users\Public\DocumMBLK,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10082
LCS-33891	13:22:23 Fri 08-OcSample	C:\Users\Public\DocumLCS,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10082
2109461-001A	13:24:42 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10082
2109461-001ADUP	13:27:01 Fri 08-OcSample	C:\Users\Public\DocumDUP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10082
2109463-001A	13:29:21 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10082
2109471-001A	13:31:41 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10082
2109471-003A	13:34:00 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10082
2109471-005A	13:36:19 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10082
2109473-001A	13:38:39 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10082
CCV	13:40:59 Fri 08-OcQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	13:43:19 Fri 08-OcQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CONE COND	15:02:35 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CONE COND	15:05:40 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CONE COND	15:07:45 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CONE COND	15:09:50 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
RINSE	15:11:55 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
WASH	15:14:00 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
WASH	15:16:05 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CAL BLK IS 23514	15:18:40 Fri 08-OcBlank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
Standard 1	15:20:46 Fri 08-OcStandard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
Standard 2	15:22:50 Fri 08-OcStandard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
Standard 3	15:24:55 Fri 08-OcStandard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
Standard 4	15:27:00 Fri 08-OcStandard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
Standard 5	15:29:05 Fri 08-OcStandard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
WASH	15:31:11 Fri 08-OcQC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
ICB	15:33:15 Fri 08-OcQC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
ICV	15:35:20 Fri 08-OcQC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
WASH	15:37:25 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
ICSA	16:00:53 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
STD 7	16:02:58 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10082
WASH	16:05:04 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
WASH	16:07:09 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
MB-33895	16:12:13 Fri 08-OcSample	C:\Users\Public\DocumMBLK,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10082
LCS-33895	16:14:17 Fri 08-OcSample	C:\Users\Public\DocumLCS,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10082
2109508-004A	16:16:22 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10082
2109508-004ADIL	16:18:27 Fri 08-OcSample	C:\Users\Public\DocumSD,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10082
2109508-004AMS	16:20:32 Fri 08-OcSample	C:\Users\Public\DocumMS,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10082
CCV	16:23:02 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	16:25:08 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2109508-004AMSD	16:27:13 Fri 08-OcSample	C:\Users\Public\DocumMSD,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10082
2109508-004APDS	16:29:18 Fri 08-OcSample	C:\Users\Public\DocumPDS,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10082
2109508-001A	16:31:23 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10082
2109508-002A	16:33:28 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10082
2109508-003A	16:35:32 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10082
CCV	16:37:38 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	16:39:44 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2109508-005A	16:41:49 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10082
2109508-006A	16:43:54 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10082
2109508-007A	16:45:59 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10082
2109508-008A	16:48:04 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10082
2109508-009A	16:50:09 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10082
CCV	16:52:15 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	16:54:20 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2109508-010A	16:56:26 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10082

2109508-011A	16:58:31 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-012A	17:00:36 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-013A	17:02:41 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-014A	17:04:45 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
CCV	17:06:51 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
CCB	17:08:56 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
2109508-015A	17:11:02 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-016A	17:13:07 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-017A	17:15:12 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-018A	17:17:17 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-019A	17:19:22 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
CCV	17:21:28 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
CCB	17:23:33 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
2109508-020A	17:25:39 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
WASH	17:27:44 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
MB-33897	17:29:50 Fri 08-OcSample	C:\Users\Public\DocumMBLK,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
LCS-33897	17:31:55 Fri 08-OcSample	C:\Users\Public\DocumLCS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-022A	17:34:00 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
CCV	17:36:05 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
CCB	17:38:11 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
2109508-022ADIL	17:40:16 Fri 08-OcSample	C:\Users\Public\DocumSD,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-022AMS	17:42:21 Fri 08-OcSample	C:\Users\Public\DocumMS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-022AMSD	17:44:26 Fri 08-OcSample	C:\Users\Public\DocumMSD,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-022APDS	17:46:31 Fri 08-OcSample	C:\Users\Public\DocumPDS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-021A	17:48:35 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
CCV	17:50:41 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
CCB	17:52:46 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
2109508-023A	17:54:52 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-024A	17:56:57 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-025A	17:59:01 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109376-045A	18:01:06 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109376-047A	18:03:11 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
CCV	18:05:17 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
CCB	18:07:22 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
2109397-004A	18:09:28 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109408-010A	18:11:33 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109408-013A	18:13:38 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109409-001A	18:15:43 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109409-002A	18:17:48 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
CCV	18:19:54 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
CCB	18:21:59 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
2109416-001A	18:24:04 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109416-002A	18:26:09 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109426-020A	18:28:14 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109464-001A	18:30:19 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109464-002A	18:32:25 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
CCV	18:34:31 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
CCB	18:36:37 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
2109464-003A	18:38:42 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109464-005A	18:40:48 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
WASH	18:42:53 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
MB-33962	18:44:59 Fri 08-OcSample	C:\Users\Public\DocumMBLK,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
LCS-33962	18:47:04 Fri 08-OcSample	C:\Users\Public\DocumLCS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
CCV	18:49:09 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
CCB	18:51:15 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
2110054-005A	18:53:20 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2110054-005ADIL	18:55:25 Fri 08-OcSample	C:\Users\Public\DocumSD,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2110054-005AMS	18:57:30 Fri 08-OcSample	C:\Users\Public\DocumMS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2110054-005AMSD	18:59:35 Fri 08-OcSample	C:\Users\Public\DocumMSD,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2110054-005APDS	19:01:40 Fri 08-OcSample	C:\Users\Public\DocumPDS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082

CCV	19:03:45 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	19:05:50 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2110054-001A	19:07:56 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110054-002A	19:10:01 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110054-003A	19:12:06 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110054-004A	19:14:10 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110054-006A	19:16:15 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
CCV	19:18:21 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	19:20:26 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2110054-007A	19:22:32 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110054-008A	19:24:37 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110054-009A	19:26:42 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110054-010A	19:28:46 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-001A	19:30:51 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
CCV	19:32:57 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	19:35:02 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2110067-002A	19:37:08 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-003A	19:39:13 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-004A	19:41:18 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-005A	19:43:23 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-006A	19:45:28 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
CCV	19:47:34 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	19:49:39 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2110067-007A	19:51:45 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-008A	19:53:49 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-009A	19:55:54 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-010A	19:57:59 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
CCV	20:00:05 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	20:02:10 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
MB-33963	20:04:16 Fri 08-OcSample	C:\Users\Public\DocumMBLK,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
LCS-33963	20:06:21 Fri 08-OcSample	C:\Users\Public\DocumLCS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-013A	20:08:26 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-013ADIL	20:10:30 Fri 08-OcSample	C:\Users\Public\DocumSD,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-013AMS	20:12:36 Fri 08-OcSample	C:\Users\Public\DocumMS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
CCV	20:14:41 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	20:16:46 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2110067-013AMSD	20:18:51 Fri 08-OcSample	C:\Users\Public\DocumMSD,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-013APDS	20:20:56 Fri 08-OcSample	C:\Users\Public\DocumPDS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-011A	20:23:01 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-012A	20:25:06 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-014A	20:27:11 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
CCV	20:29:16 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	20:31:21 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2110067-015A	20:33:27 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-016A	20:35:32 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-017A	20:37:36 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-018A	20:39:41 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-019A	20:41:46 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
CCV	20:43:52 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	20:45:57 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2110067-020A	20:48:03 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-021A	20:50:08 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
WASH	20:52:13 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
MB-33944	20:54:19 Fri 08-OcSample	C:\Users\Public\DocumMBLK,M-TCLP gistix\ICPMS\DataSet\Oct2021\10082
LCS-33944	20:56:24 Fri 08-OcSample	C:\Users\Public\DocumLCS,M-TCLP gistix\ICPMS\DataSet\Oct2021\10082
CCV	20:58:29 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	21:00:34 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2109496-001A	21:02:40 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-TCLP gistix\ICPMS\DataSet\Oct2021\10082
2109496-001ADUP	21:04:45 Fri 08-OcSample	C:\Users\Public\DocumDUP,M-TCLP gistix\ICPMS\DataSet\Oct2021\10082
2109496-001AMS	21:06:50 Fri 08-OcSample	C:\Users\Public\DocumMS,M-TCLP gistix\ICPMS\DataSet\Oct2021\10082

2109496-001AMSD	21:08:54 Fri 08-OcSample	C:\Users\Public\DocumMSD,M-TCLP	gistix\ICPMS\DataSet\Oct2021\10082
2110020-006A	21:10:59 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
CCV	21:13:05 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
CCB	21:15:10 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
2110020-007A	21:17:15 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2110020-008A	21:19:20 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2110020-009A	21:21:25 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2110020-010A	21:23:29 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2110020-011A	21:25:34 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
CCV	21:27:40 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
CCB	21:29:45 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
2110020-012A	21:31:50 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2110020-013A	21:33:55 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2110020-014A	21:36:00 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
LDR	21:38:05 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
CCV	21:40:10 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
CCB	21:42:15 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
2%	21:44:20 Fri 08-OcQC Std #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
DI	21:46:26 Fri 08-OcQC Std #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\101121eh\
Report Date/Time: Tuesday, October 12, 2021 07:59:11

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	WASH	08:53:54 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	WASH	08:59:28 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	NEW 2%	09:05:02 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	DI	09:10:36 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	DI	09:16:11 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	DI	09:21:45 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	CAL BLK IS 23514	09:30:39 Mon 11-C	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 1	09:36:13 Mon 11-C	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 2	09:41:47 Mon 11-C	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 3	09:47:21 Mon 11-C	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 4	09:52:55 Mon 11-C	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 5	09:58:29 Mon 11-C	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 6	10:04:03 Mon 11-C	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 7	10:09:37 Mon 11-C	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 8	10:15:11 Mon 11-C	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	WASH	10:20:46 Mon 11-C	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	ICB	10:26:20 Mon 11-C	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	ICV	10:31:54 Mon 11-C	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	WASH	10:37:27 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	ICSA	10:49:55 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	LDR	10:55:30 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	WASH	11:01:05 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	WASH	11:06:39 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	2109322-004A 50X	11:17:59 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10112
	2110056-001A	11:23:33 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10112
	2110056-002A	11:29:08 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-005A	11:34:43 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-006A	11:40:17 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-007A	11:45:52 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-008A	11:51:26 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-009A	11:57:01 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-010A	12:02:36 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-011A	12:08:10 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	CCV	12:13:45 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	CCB	12:19:19 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	2110067-003A 100X	12:26:44 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2110054-002A 100X	12:32:18 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	LCS-33816	12:37:59 Mon 11-C	Sample	C:\Users\Public\DocumLCS,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109343-001A	12:43:32 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109343-002A	12:49:06 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109343-003A	12:54:40 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109343-004A	13:00:14 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109343-005A	13:05:48 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109411-002F	13:11:23 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10112
	2109390-008E	13:16:58 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10112
	2109397-006H	13:22:32 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10112
	2109408-012J	13:28:06 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10112
	CCV	13:33:41 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	CCB	13:39:15 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	MB-33961	13:53:13 Mon 11-C	Sample	C:\Users\Public\DocumMBLK,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10112

LCS-33961	13:58:47 Mon 11-C	Sample	C:\Users\Public\DocumLCS,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-002D	14:04:21 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-002DDUP	14:09:56 Mon 11-C	Sample	C:\Users\Public\DocumDUP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-002DMS	14:15:30 Mon 11-C	Sample	C:\Users\Public\DocumMS,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-002DMSD	14:21:05 Mon 11-C	Sample	C:\Users\Public\DocumMSD,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110057-001A	14:26:39 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109389-005A	14:32:14 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109389-001A	14:37:48 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109389-011A 50X	14:43:22 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
CCV	14:48:57 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	14:54:31 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
MB-33910	15:00:55 Mon 11-C	Sample	C:\Users\Public\DocumMBLK,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
LCS-33910	15:06:29 Mon 11-C	Sample	C:\Users\Public\DocumLCS,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109532-001A	15:12:03 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109532-001ADUP	15:17:37 Mon 11-C	Sample	C:\Users\Public\DocumDUP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109532-001AMS	15:23:12 Mon 11-C	Sample	C:\Users\Public\DocumMS,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109532-001AMSD	15:28:46 Mon 11-C	Sample	C:\Users\Public\DocumMSD,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109289-001A	15:34:20 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109408-012I	15:39:55 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109411-002E	15:45:29 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109425-001B 5X	15:51:03 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
CCV	15:56:38 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	16:02:13 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CAL BLK IS 23514	16:10:03 Mon 11-C	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
ICB	16:15:38 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
LCS-33961	16:47:54 Mon 11-C	Sample	C:\Users\Public\DocumLCS,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109419-001D 10X	16:53:29 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-003D	16:59:04 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109480-001C	17:04:38 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-004D	17:10:13 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110021-001A	17:15:47 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110021-002A	17:21:21 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110021-003A	17:26:55 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110021-004A	17:32:29 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110021-005A	17:38:03 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
CCV	17:43:38 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	17:49:12 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2110021-006A	17:54:47 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110029-001A	18:00:21 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110040-001A	18:05:55 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110040-006A	18:11:28 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110044-001B	18:17:03 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110048-001A	18:22:37 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110059-001A	18:28:11 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110059-002A	18:33:45 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110064-001A	18:39:19 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110064-002A	18:44:53 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
CCV	18:50:28 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	18:56:02 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2109455-001B	19:01:36 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109489-001A	19:07:11 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109494-001A	19:12:45 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109497-001A	19:18:19 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109497-002A	19:23:53 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109497-003A	19:29:27 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109497-004A	19:35:01 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109499-005A	19:40:35 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109503-001A	19:46:09 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109504-001A	19:51:42 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
CCV	19:57:18 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112

CCB	20:02:52 Mon 11-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2109510-001C	20:08:27 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109510-002C	20:14:01 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109518-002A	20:19:35 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109518-003A	20:25:09 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109521-001A	20:30:43 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109527-001B	20:36:17 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109528-001A	20:41:51 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109528-002A	20:47:25 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109376-045A	20:53:00 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-047A	20:58:35 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
CCV	21:04:10 Mon 11-CQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	21:09:44 Mon 11-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2109409-001A	21:15:19 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109409-002A	21:20:53 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109416-001A	21:26:28 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109416-002A	21:32:03 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
LCS-33897	21:37:37 Mon 11-CSample	C:\Users\Public\DocumLCS,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
WASH	21:43:12 Mon 11-CSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
MB-33874	21:48:47 Mon 11-CSample	C:\Users\Public\DocumMBLK,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
LCS-33874	21:54:21 Mon 11-CSample	C:\Users\Public\DocumLCS,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-041A	21:59:55 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-041ADIL	22:05:29 Mon 11-CSample	C:\Users\Public\DocumSD,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
CCV	22:11:04 Mon 11-CQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	22:16:39 Mon 11-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2109376-005A	22:22:14 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-007A	22:27:48 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-011A	22:33:22 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-013A	22:38:56 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-017A	22:44:30 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-019A	22:50:04 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-021A	22:55:38 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
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2109376-039A	23:56:56 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
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LCS-33963	00:08:04 Tue 12-OSample	C:\Users\Public\DocumLCS,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-013A	00:13:38 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
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CCV	00:24:47 Tue 12-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	00:30:22 Tue 12-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2110067-011A	00:35:56 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-012A	00:41:30 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-014A	00:47:05 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
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2110067-016A	00:58:13 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-017A	01:03:47 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
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2110067-020A	01:20:29 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-021A	01:26:03 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
CCV	01:31:38 Tue 12-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112

CCB	01:37:12 Tue 12-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
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2110020-008A	01:53:55 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
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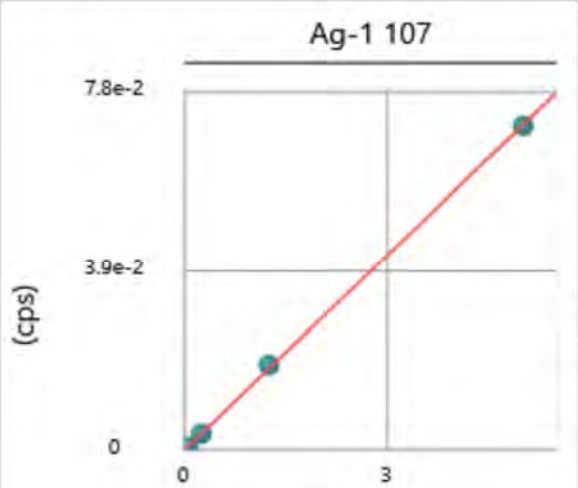
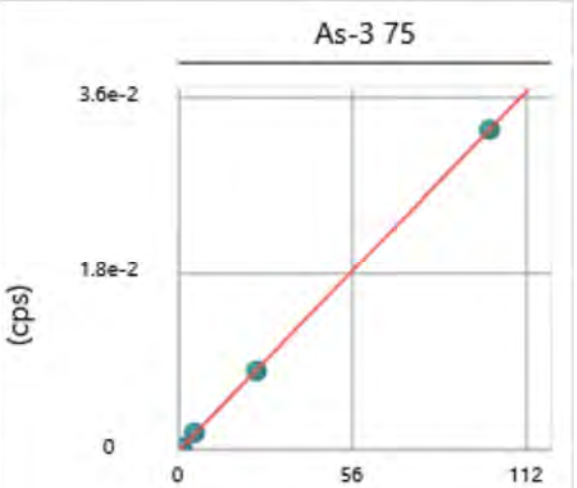
2110020-010A	02:05:03 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-011A	02:10:38 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-012A	02:16:11 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-013A	02:21:46 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-014A	02:27:20 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
CCV	02:32:54 Tue 12-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	02:38:29 Tue 12-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2%	02:44:03 Tue 12-OQC Std #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
DI	02:49:38 Tue 12-OQC Std #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112

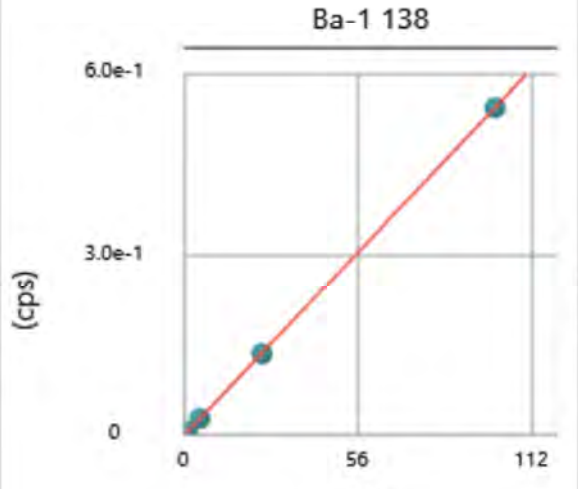
Calibration



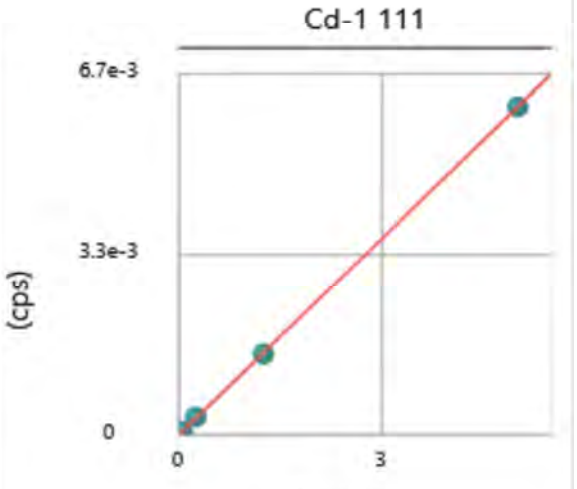
Eqn. : y = 0.014x + 0.000
Cor.Coeff. : 0.999926
BEC : 0.000063 ug/L
DL : 0.009622 ug/L



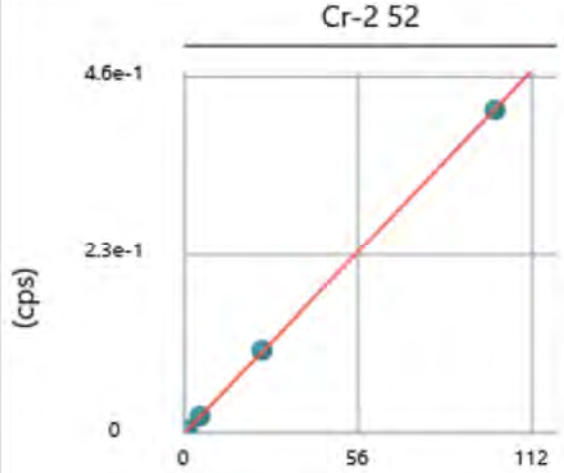
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999987
BEC : -0.000202 ug/L
DL : 0.074323 ug/L



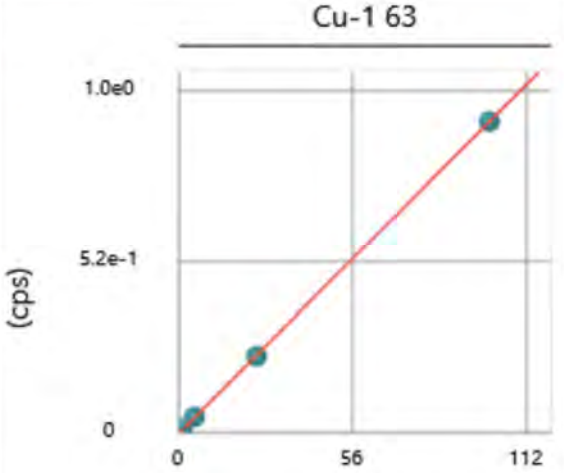
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999997
BEC : -0.000046 mg/L
DL : 0.027976 mg/L



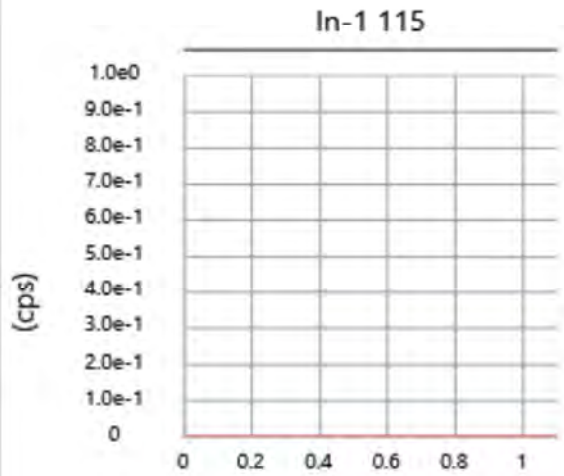
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999962
BEC : -0.000118 mg/L
DL : 0.033388 mg/L



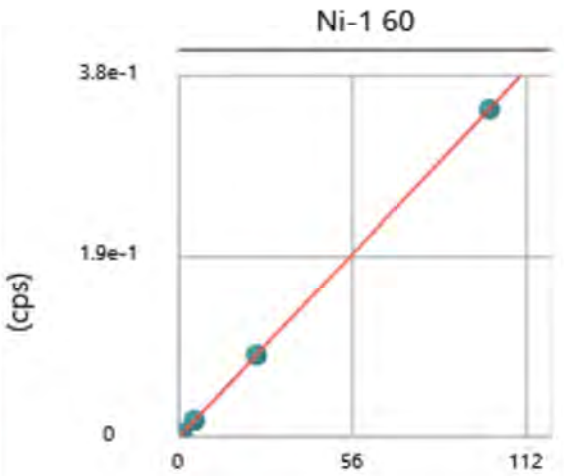
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999977
BEC : 0.000086 ug/L
DL : 0.014352 ug/L



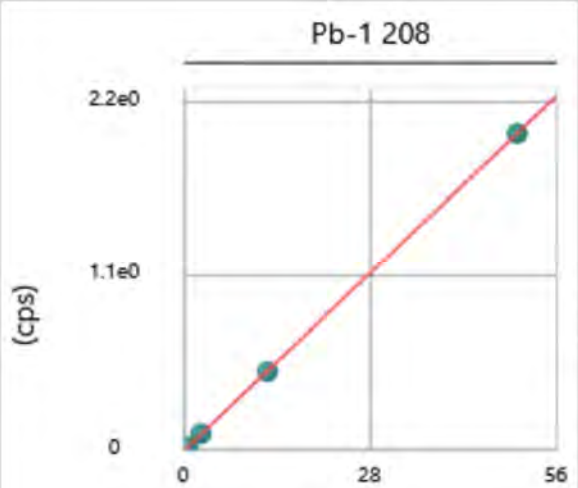
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999993
BEC : 0.000059 ug/L
DL : 0.016553 ug/L



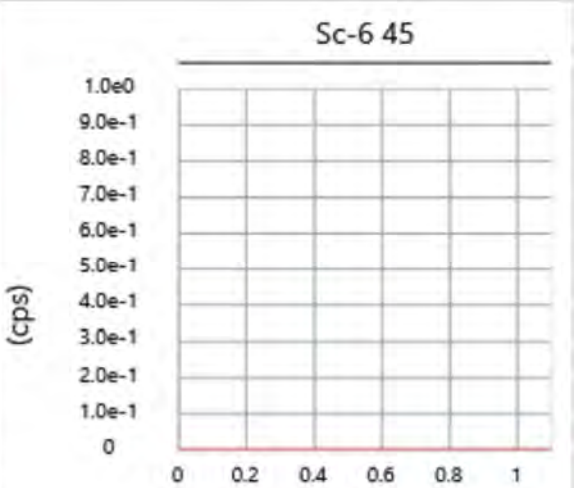
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



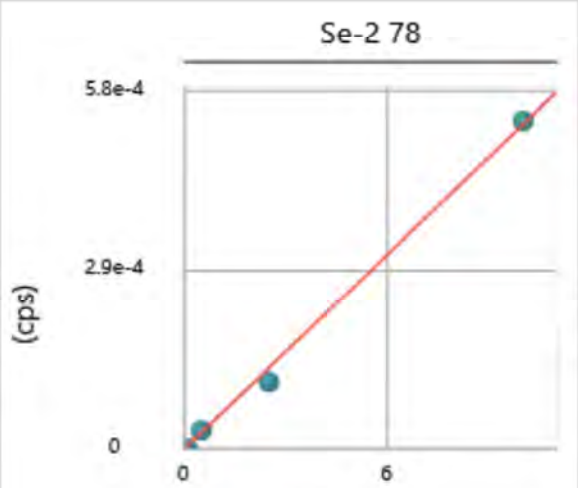
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999999
BEC : -0.000095 ug/L
DL : 0.014120 ug/L



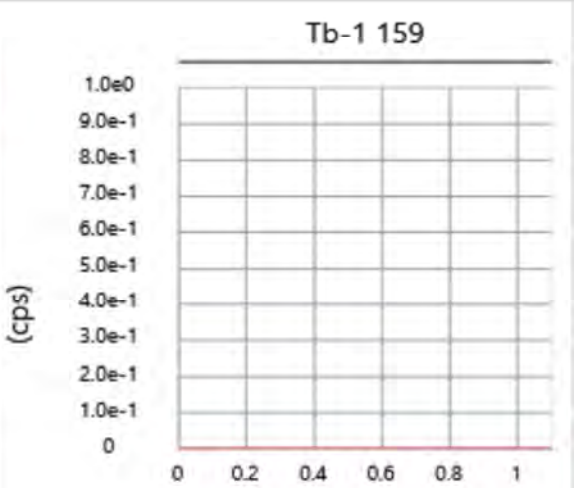
Eqn. : y = 0.040x + 0.000
Cor.Coeff. : 0.999997
BEC : -0.000014 ug/L
DL : 0.002303 ug/L



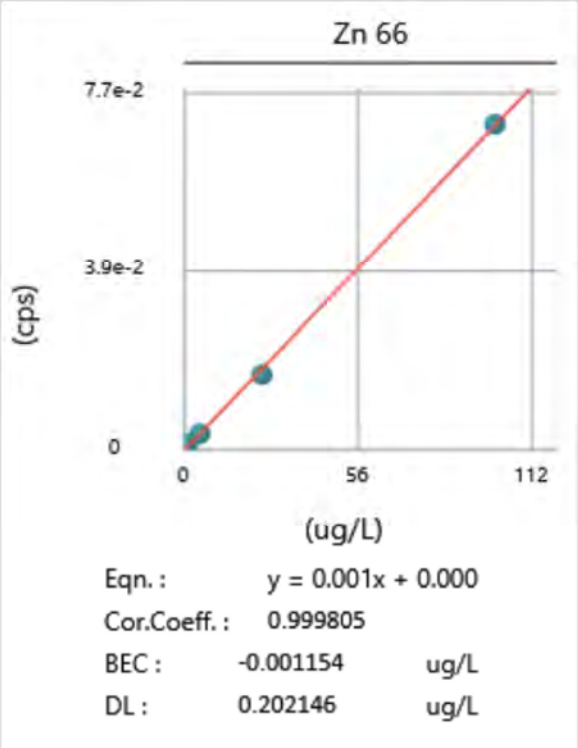
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN mg/L
DL : NaN mg/L

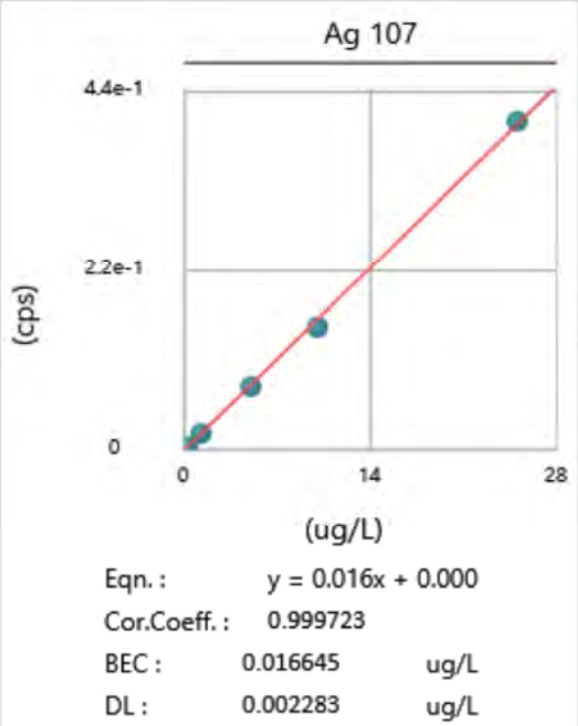


Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.998995
BEC : 0.000595 ug/L
DL : 0.078632 ug/L

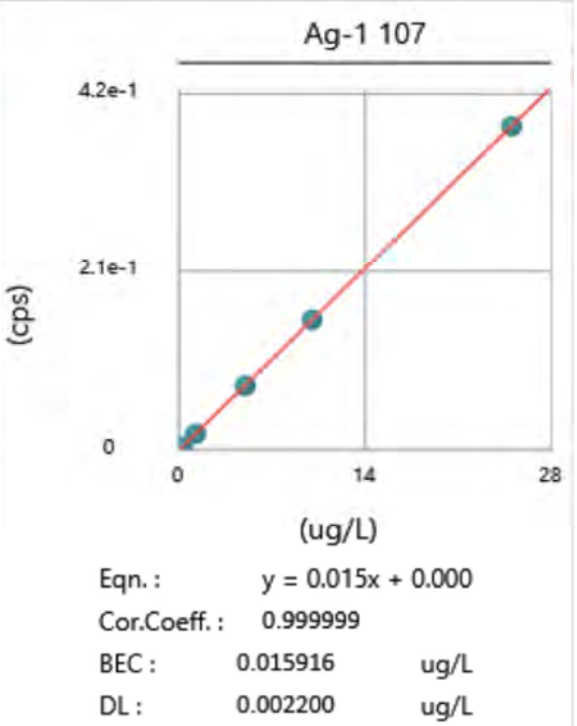


Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L

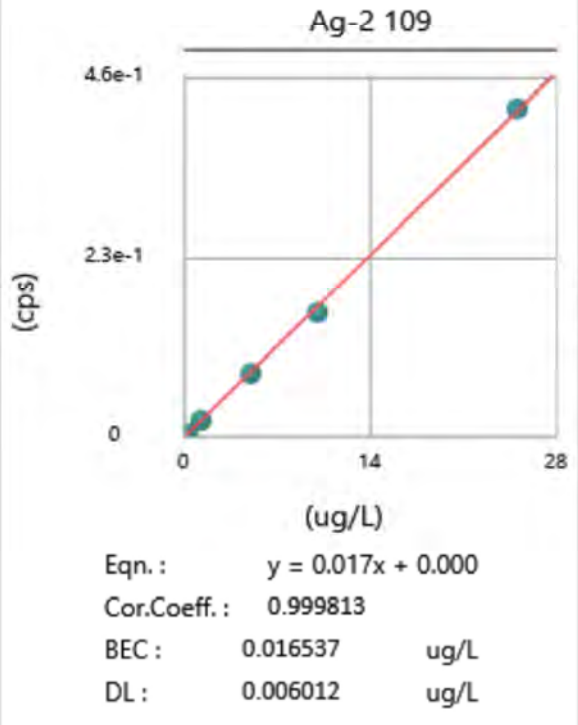

Zn 66
7.7e-2
3.9e-2
0
(cps)
0
56
112
(ug/L)
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999805
BEC : -0.001154 ug/L
DL : 0.202146 ug/L



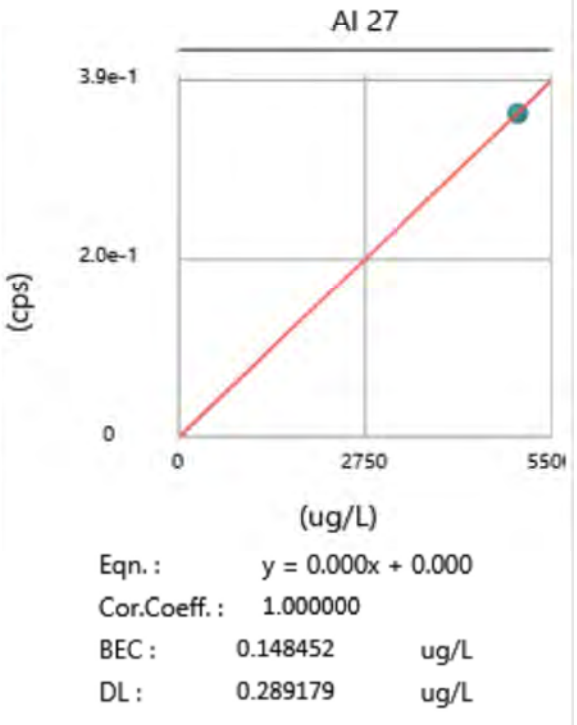
Eqn. : y = 0.016x + 0.000
Cor.Coeff. : 0.999723
BEC : 0.016645 ug/L
DL : 0.002283 ug/L



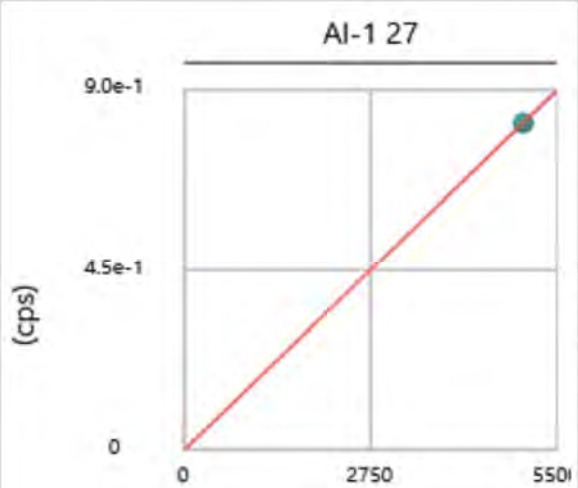
Eqn. : y = 0.015x + 0.000
Cor.Coeff. : 0.999999
BEC : 0.015916 ug/L
DL : 0.002200 ug/L



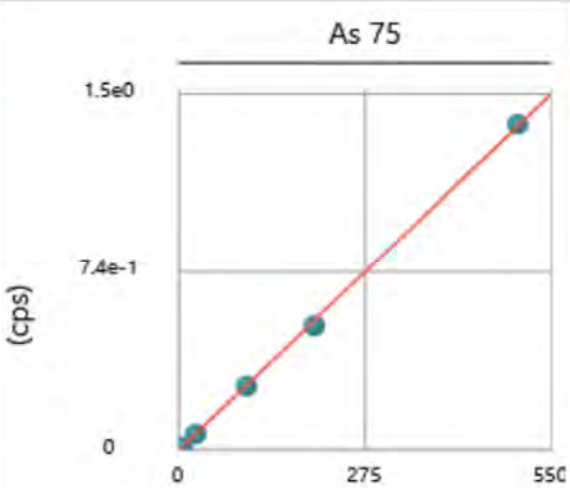
Eqn. : y = 0.017x + 0.000
Cor.Coeff. : 0.999813
BEC : 0.016537 ug/L
DL : 0.006012 ug/L



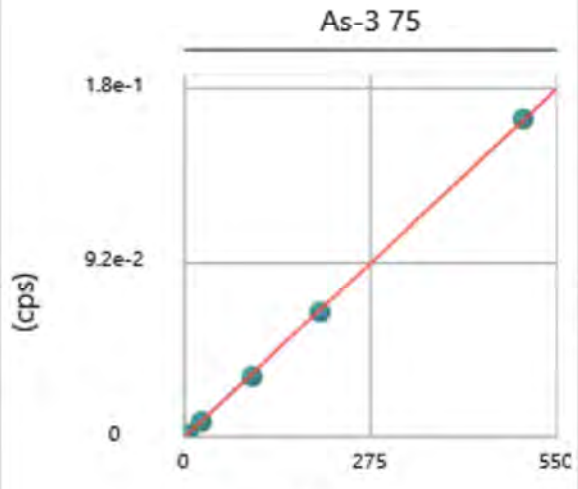
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.148452 ug/L
DL : 0.289179 ug/L



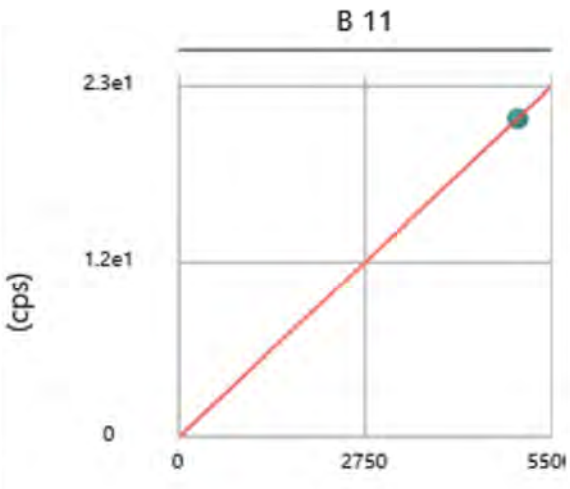
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.138445 mg/L
DL : 0.181176 mg/L



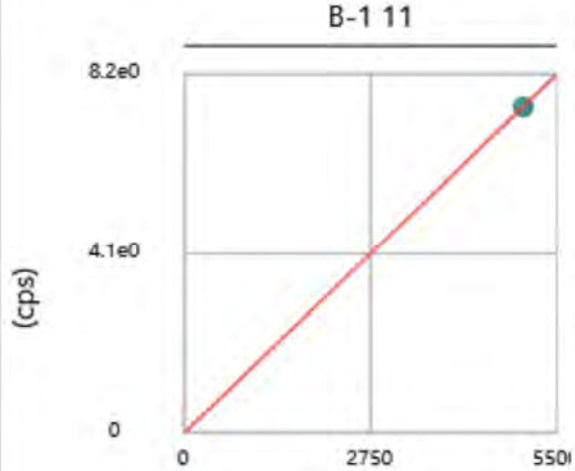
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999868
BEC : -0.504091 ug/L
DL : 1.705727 ug/L



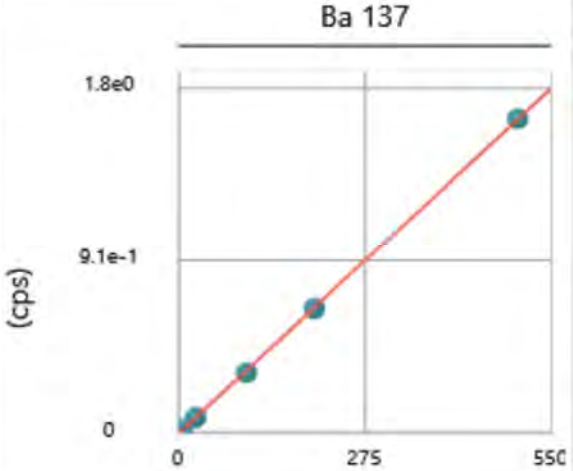
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999943
BEC : 0.118419 ug/L
DL : 0.043730 ug/L



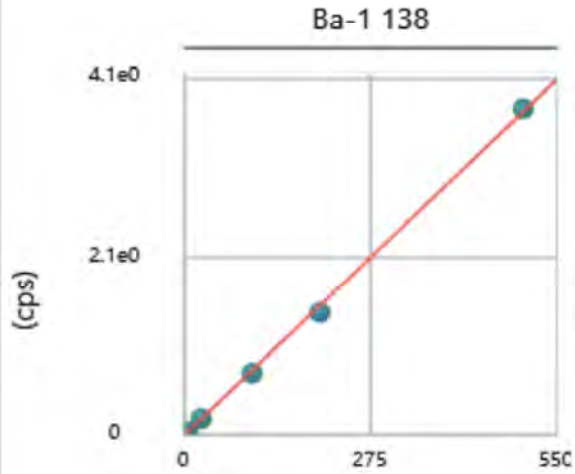
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.126794 ug/L
DL : 0.023389 ug/L



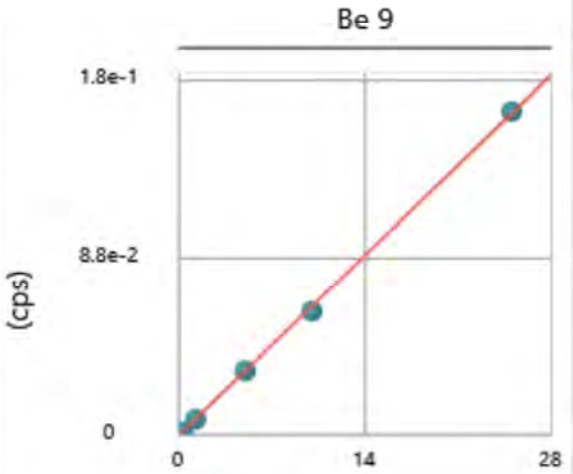
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.076233 ug/L
DL : 0.396120 ug/L



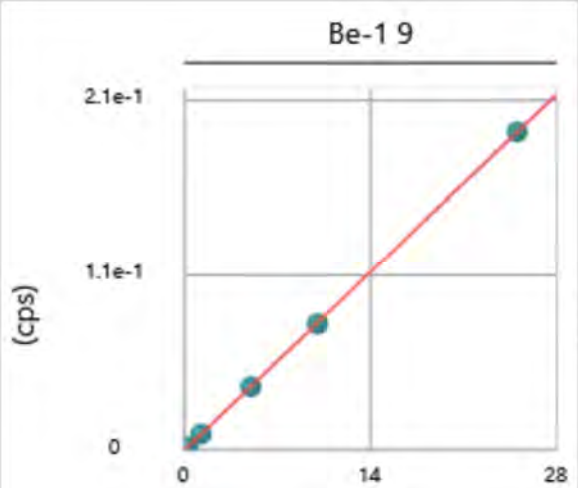
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999971
BEC : 0.012477 ug/L
DL : 0.001893 ug/L



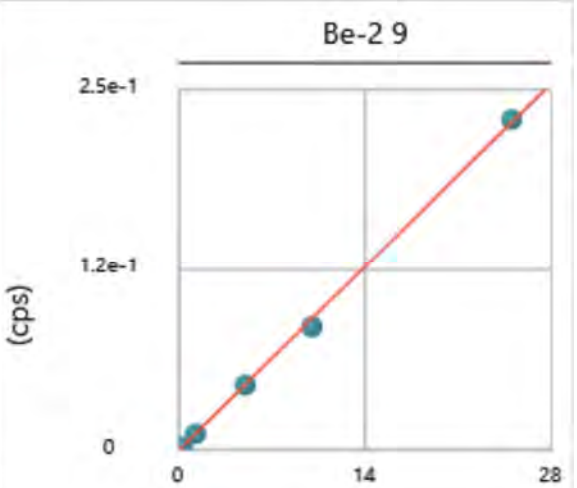
Eqn. : y = 0.008x + 0.000
Cor.Coeff. : 0.999741
BEC : 0.015856 mg/L
DL : 0.025102 mg/L



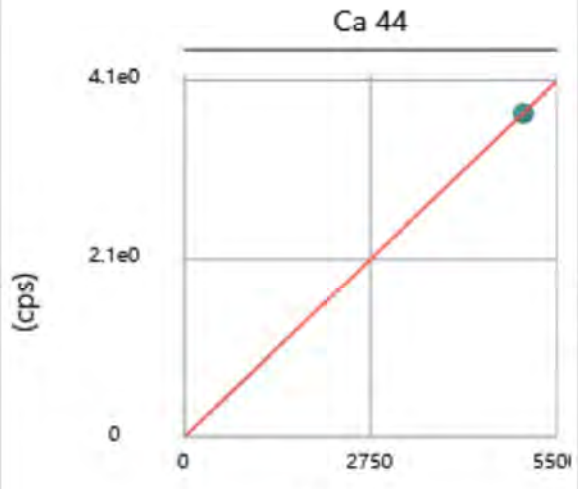
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999881
BEC : 0.000847 ug/L
DL : 0.001567 ug/L



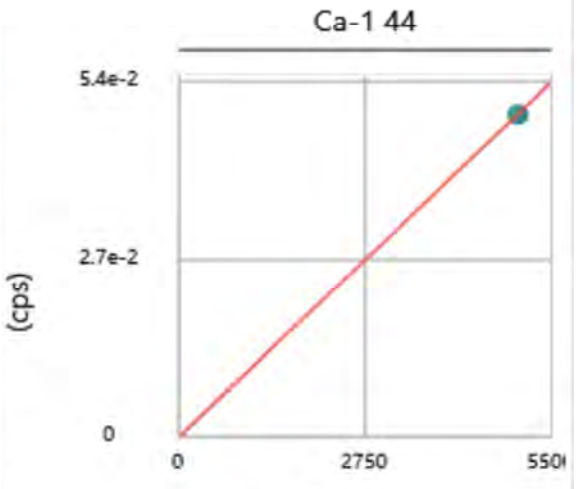
Eqn. : y = 0.008x + 0.000
Cor.Coeff. : 0.999994
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



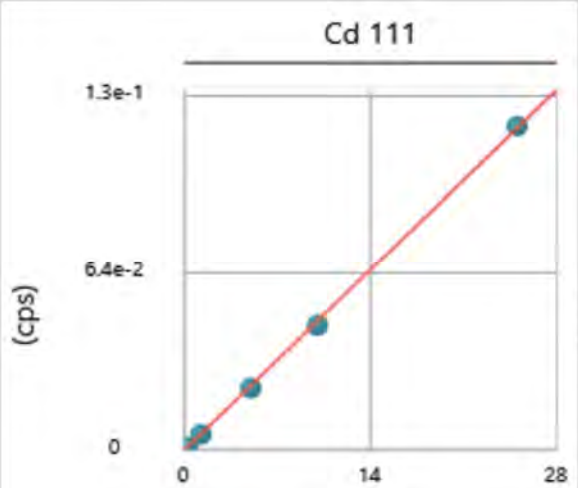
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999717
BEC : 0.000861 ug/L
DL : 0.001651 ug/L



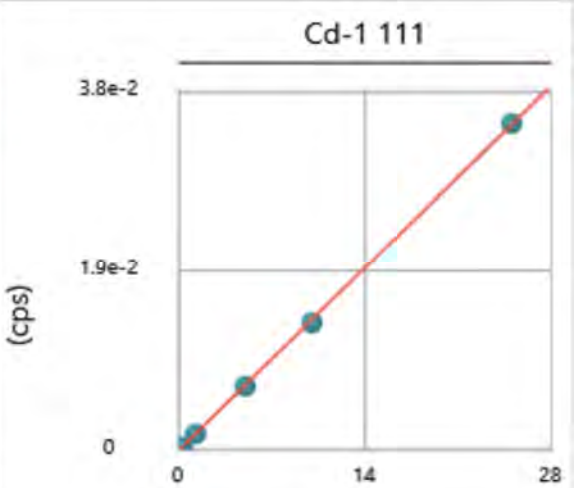
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 11.218838 ug/L
DL : 1.093503 ug/L



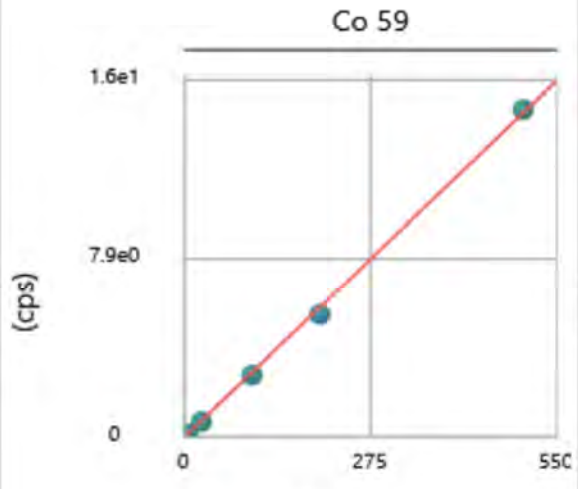
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 6.501699 mg/L
DL : 1.980834 mg/L



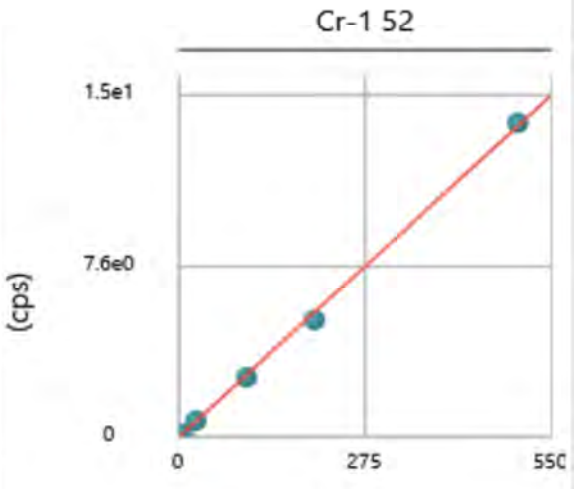
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999892
BEC : 0.001723 ug/L
DL : 0.001846 ug/L



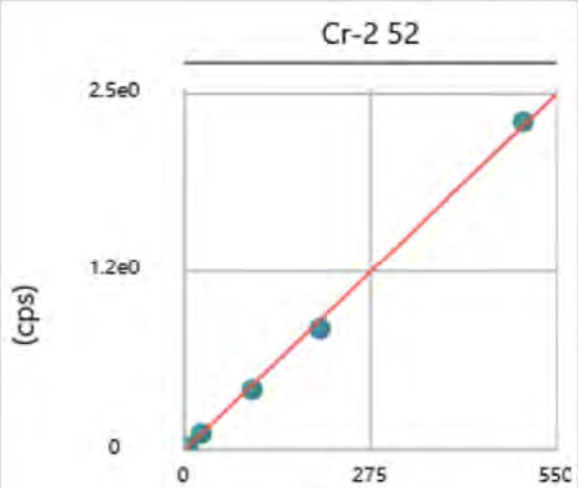
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999952
BEC : 0.029569 mg/L
DL : 0.028355 mg/L



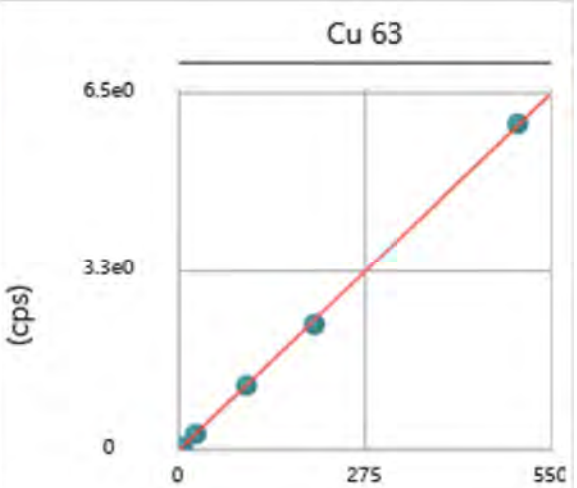
Eqn. : y = 0.029x + 0.000
Cor.Coeff. : 0.999713
BEC : 0.003061 ug/L
DL : 0.001585 ug/L



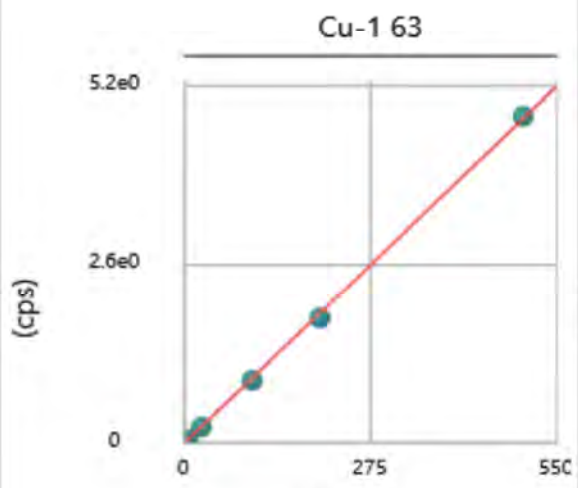
Eqn. : y = 0.028x + 0.000
Cor.Coeff. : 0.999675
BEC : 2.887412 ug/L
DL : 0.280083 ug/L



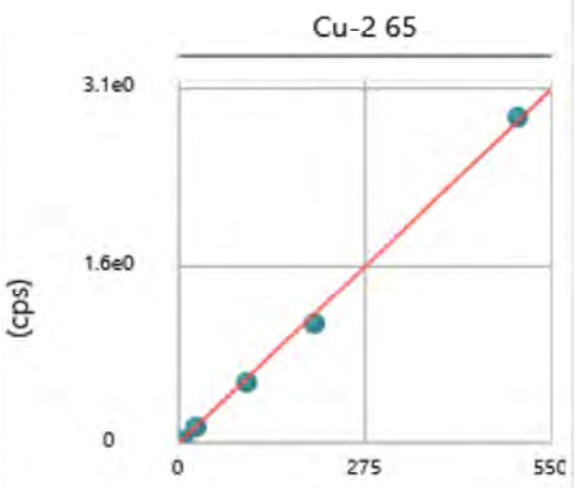
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999583
BEC : 0.027612 ug/L
DL : 0.013372 ug/L



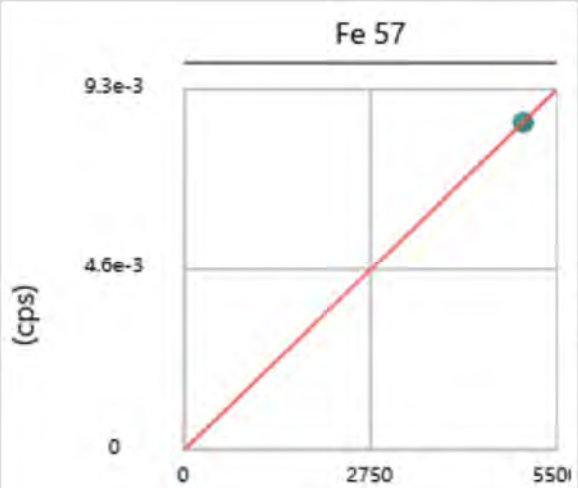
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999914
BEC : 0.026224 ug/L
DL : 0.002622 ug/L



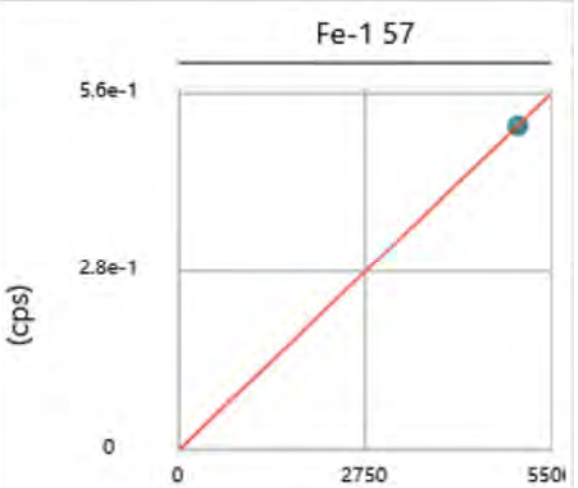
Eqn. : y = 0.010x + 0.000
Cor.Coeff. : 0.999870
BEC : 0.020758 ug/L
DL : 0.019318 ug/L



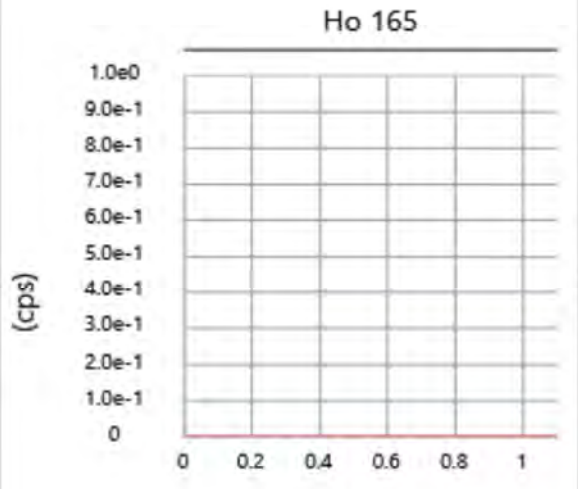
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999520
BEC : 0.022356 ug/L
DL : 0.013156 ug/L



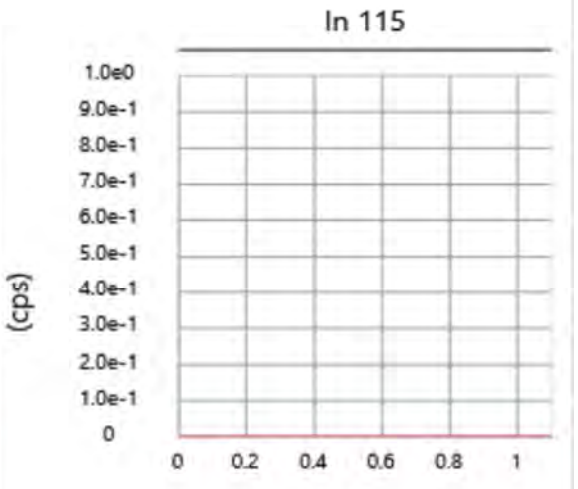
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 33.863689 ug/L
DL : 22.539217 ug/L



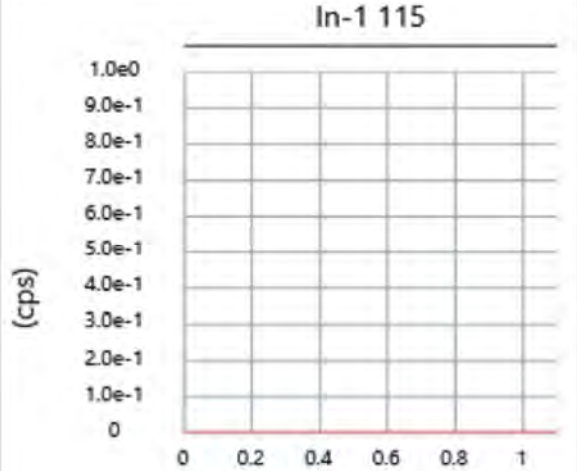
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.550489 ug/L
DL : 0.570271 ug/L



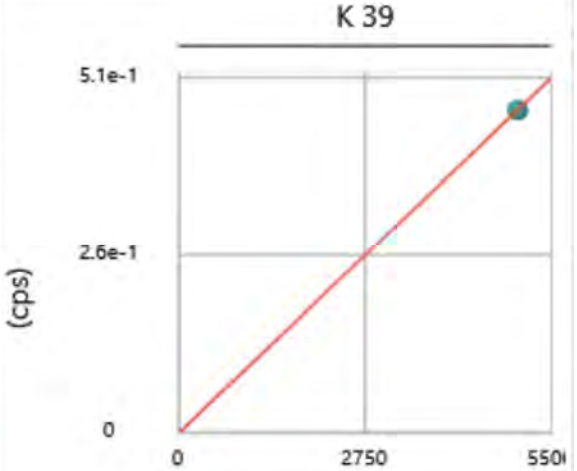
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



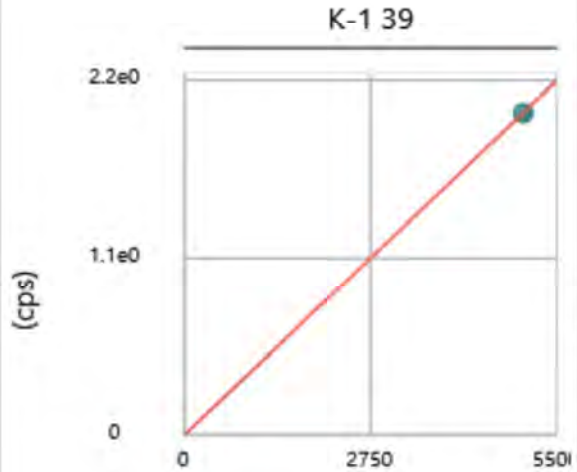
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



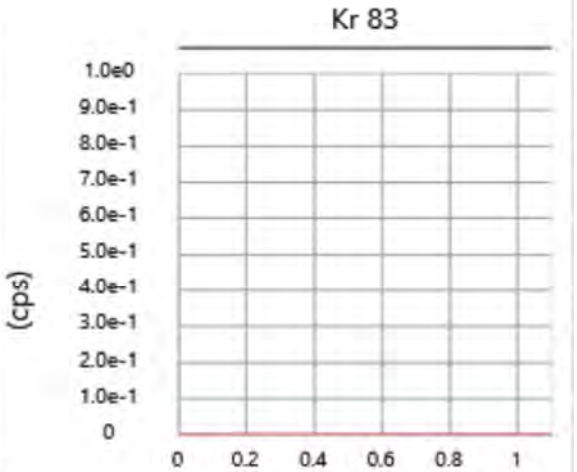
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



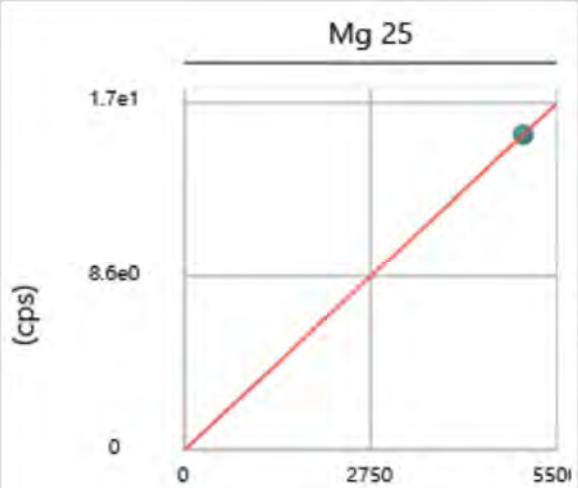
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 38.628869 ug/L
DL : 8.095776 ug/L



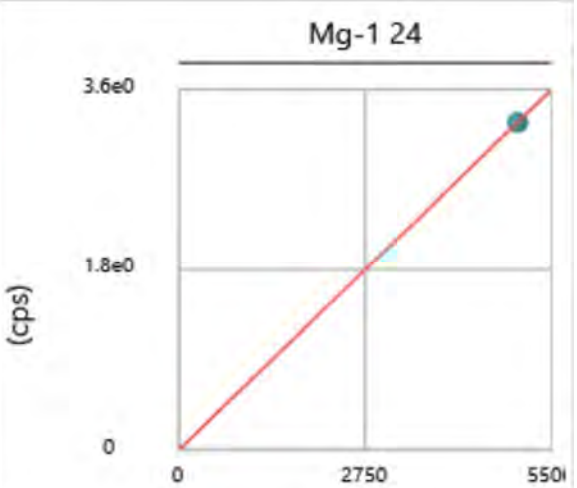
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 75.262857 mg/L
DL : 6.979908 mg/L



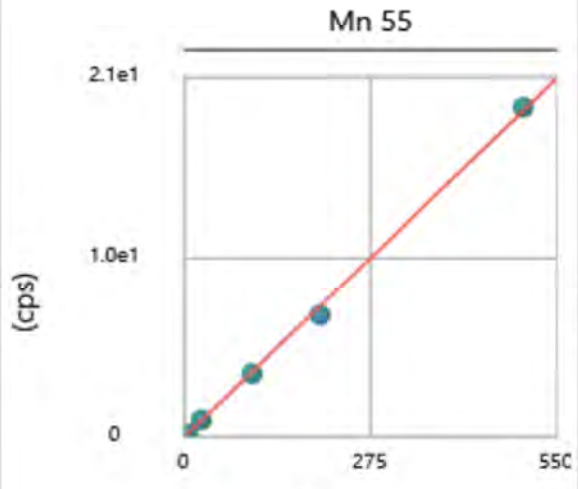
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



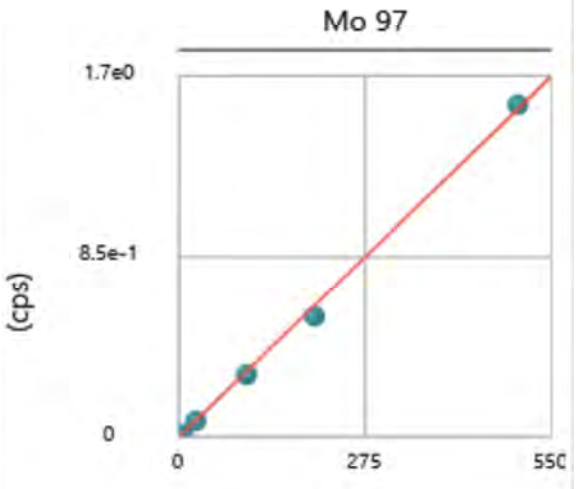
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.086202 ug/L
DL : 0.009375 ug/L



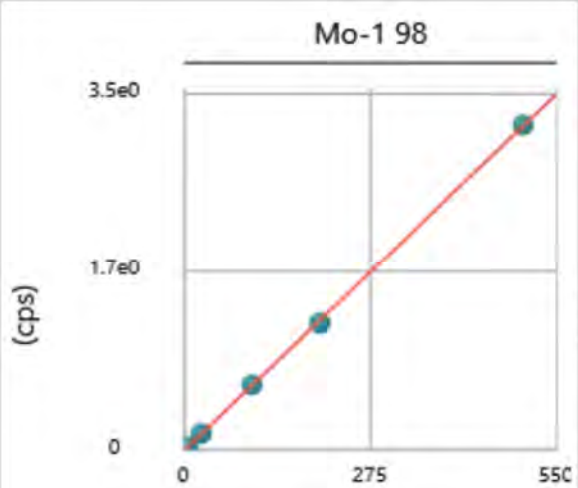
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.104111 mg/L
DL : 0.138814 mg/L



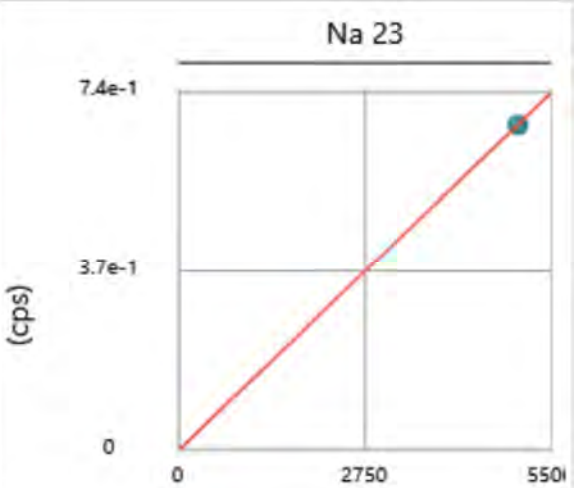
Eqn. : y = 0.038x + 0.000
Cor.Coeff. : 0.999637
BEC : 0.083999 ug/L
DL : 0.007567 ug/L



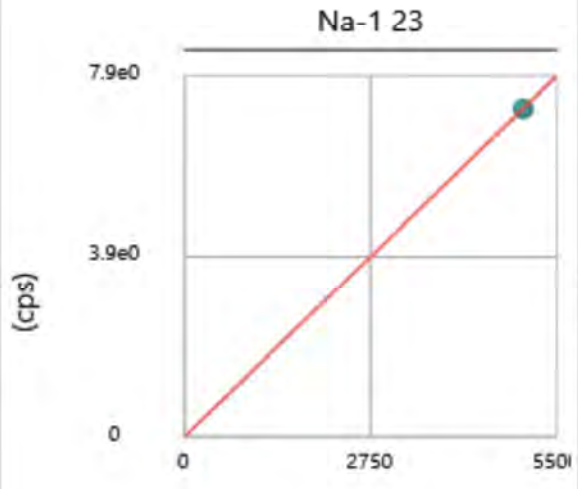
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999442
BEC : 0.042334 ug/L
DL : 0.032581 ug/L



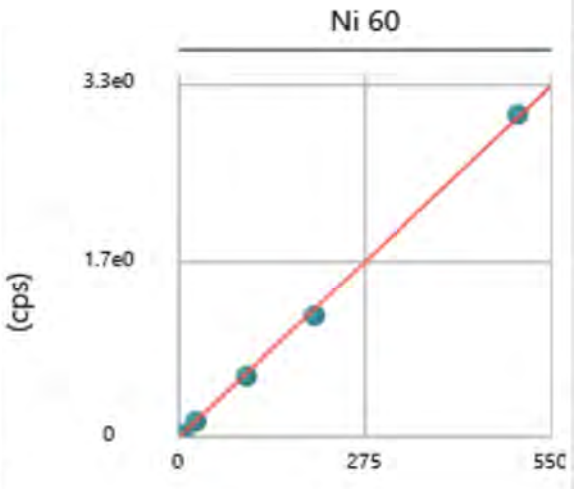
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999962
BEC : 0.013010 ug/L
DL : 0.015695 ug/L



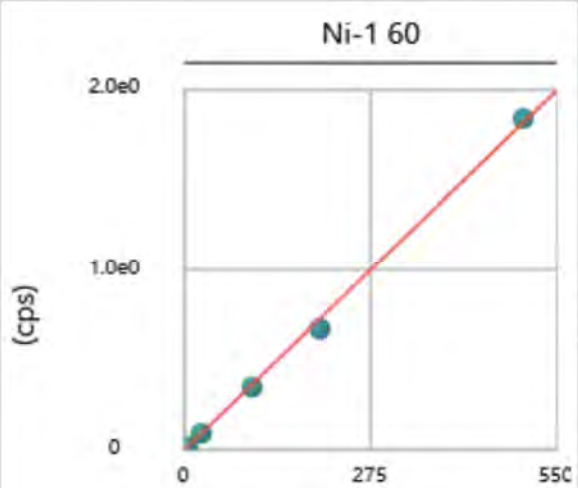
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 5.145816 ug/L
DL : 1.463738 ug/L



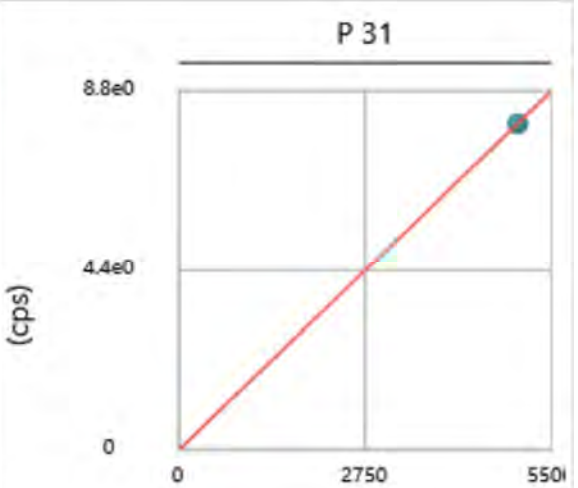
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 5.052710 mg/L
DL : 0.632181 mg/L



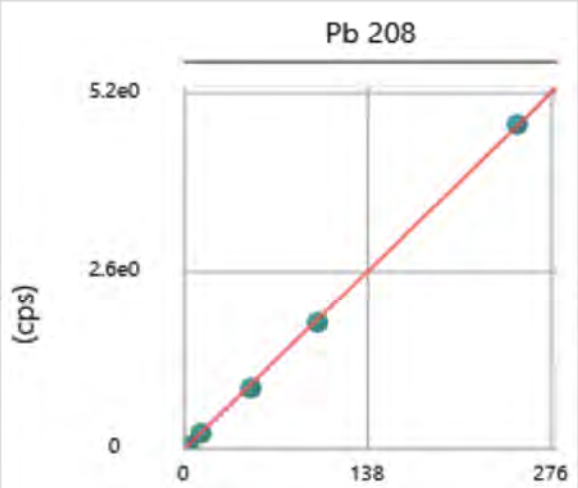
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999738
BEC : 0.056091 ug/L
DL : 0.013111 ug/L



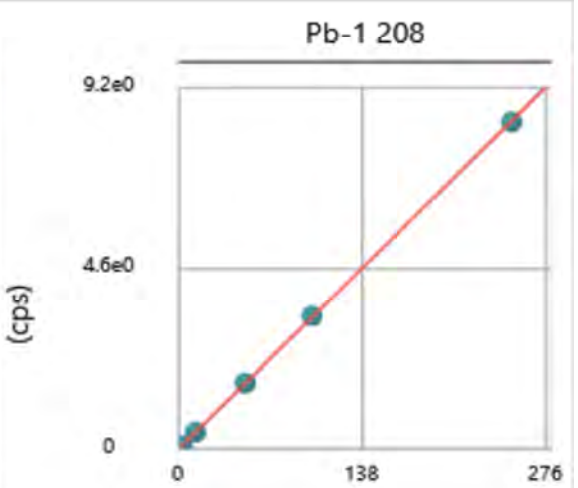
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999520
BEC : 0.052858 ug/L
DL : 0.058385 ug/L



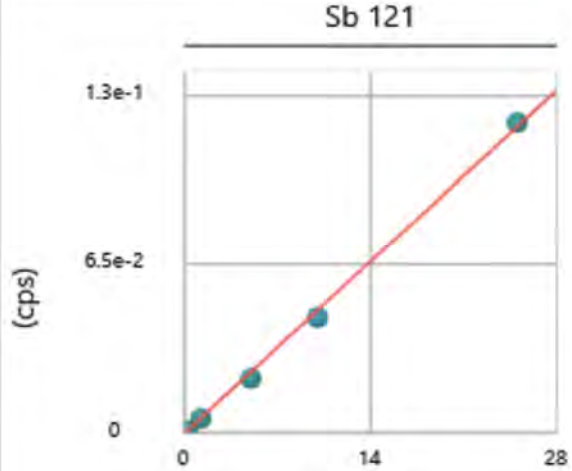
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 13.098473 ug/L
DL : 1.259260 ug/L



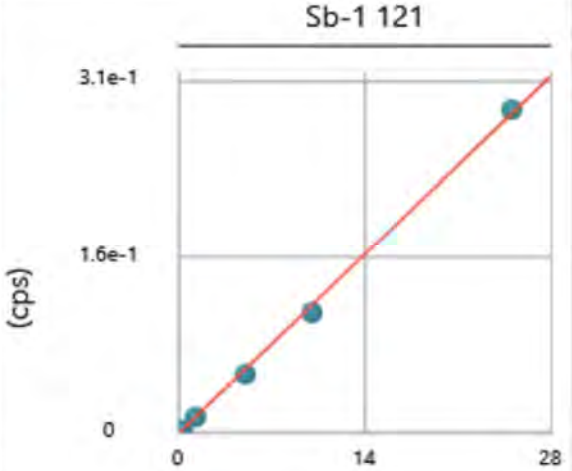
Eqn. : y = 0.019x + 0.000
Cor.Coeff. : 0.999910
BEC : 0.005005 ug/L
DL : 0.001126 ug/L



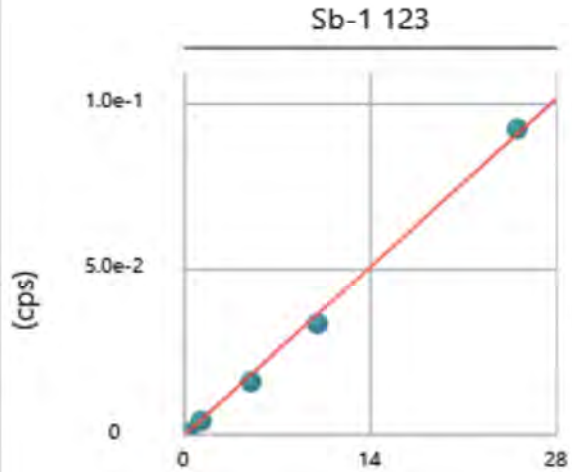
Eqn. : y = 0.033x + 0.000
Cor.Coeff. : 0.999986
BEC : 0.006163 ug/L
DL : 0.003585 ug/L



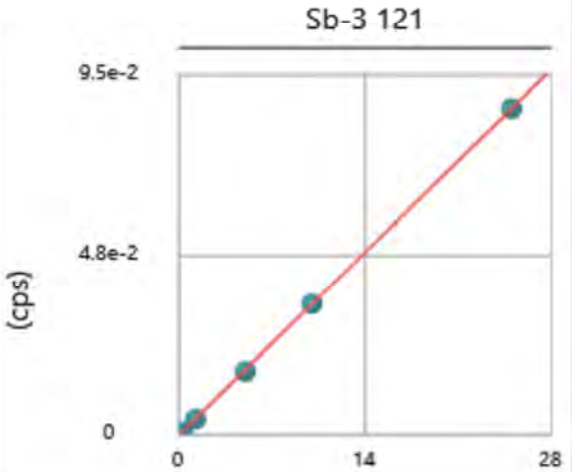
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999500
BEC : 0.012314 ug/L
DL : 0.002907 ug/L



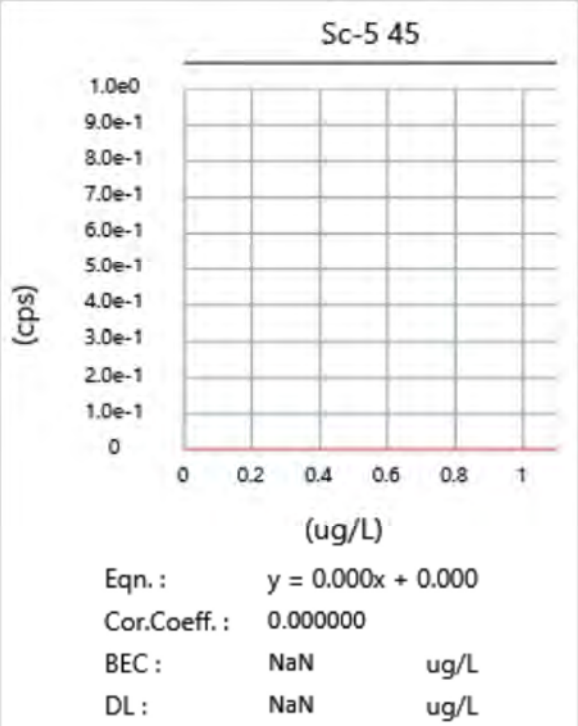
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999603
BEC : 0.012499 ug/L
DL : 0.003557 ug/L



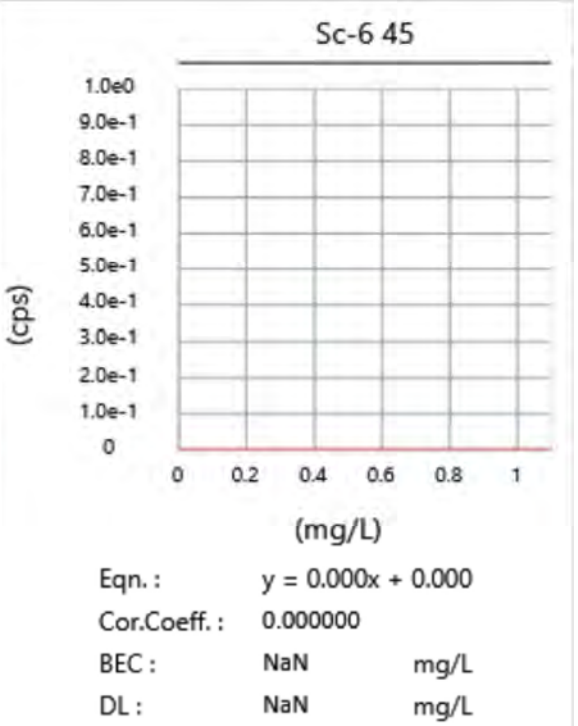
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999245
BEC : 0.013513 ug/L
DL : 0.001738 ug/L



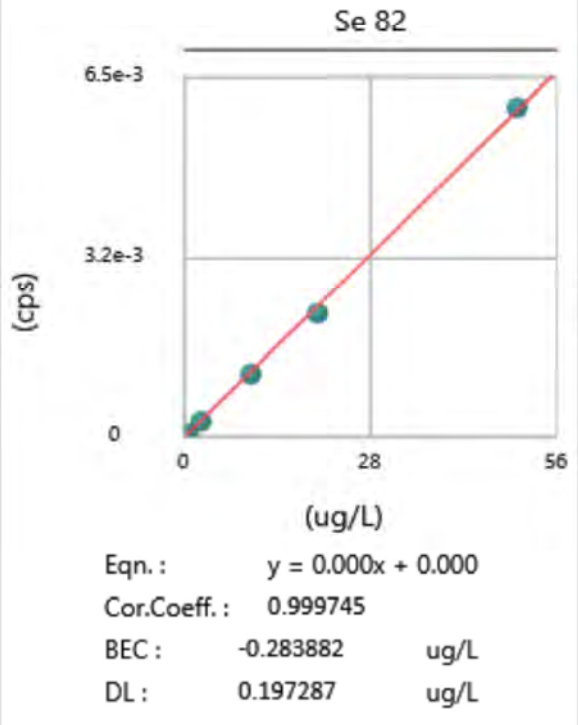
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999990
BEC : 0.010606 ug/L
DL : 0.007507 ug/L



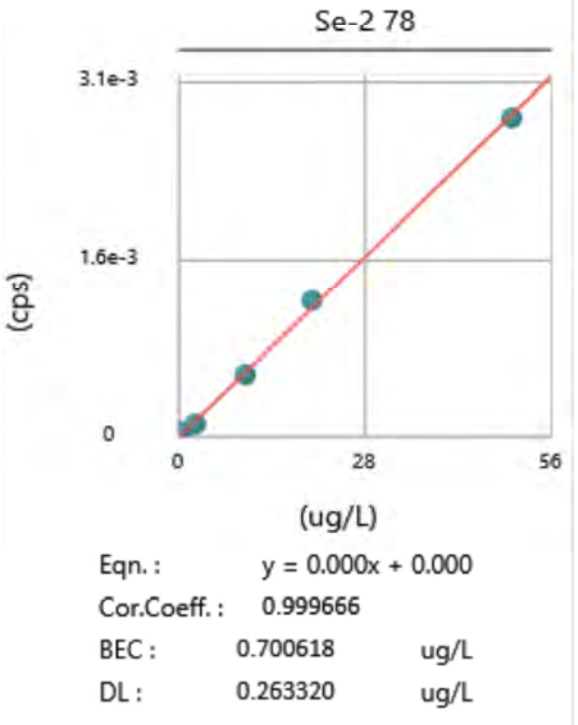
Eqn. :	y = 0.000x + 0.000	
Cor.Coeff. :	0.000000	
BEC :	NaN	ug/L
DL :	NaN	ug/L



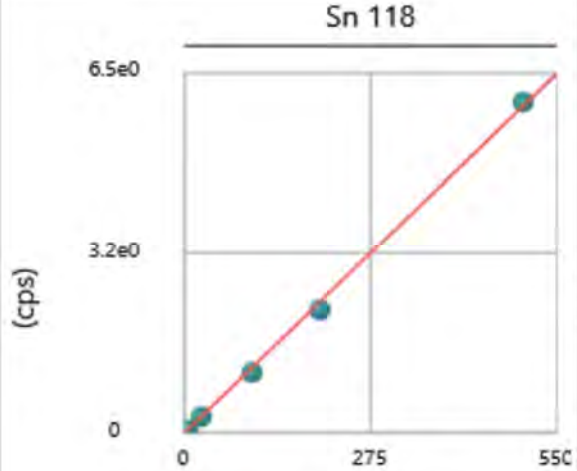
Eqn. :	y = 0.000x + 0.000	
Cor.Coeff. :	0.000000	
BEC :	NaN	mg/L
DL :	NaN	mg/L



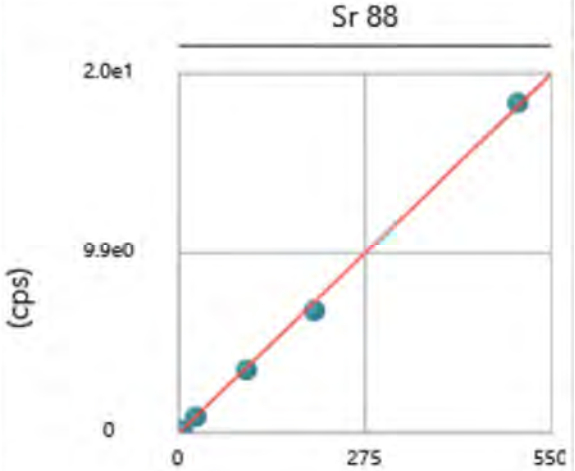
Eqn. :	y = 0.000x + 0.000	
Cor.Coeff. :	0.999745	
BEC :	-0.283882	ug/L
DL :	0.197287	ug/L



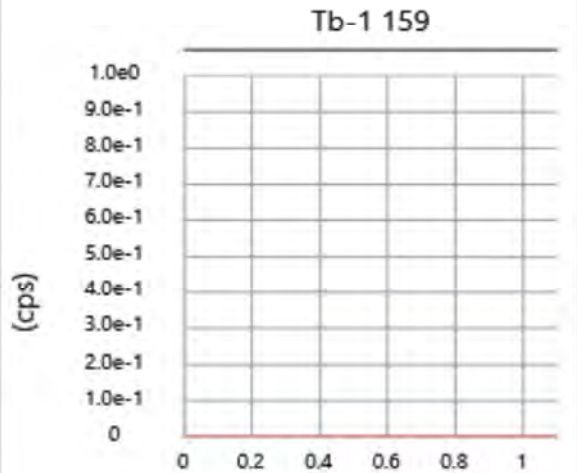
Eqn. :	y = 0.000x + 0.000	
Cor.Coeff. :	0.999666	
BEC :	0.700618	ug/L
DL :	0.263320	ug/L



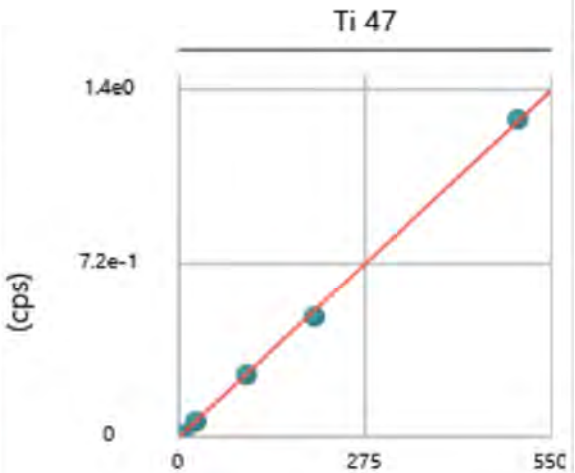
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999621
BEC : 0.290348 ug/L
DL : 0.047994 ug/L



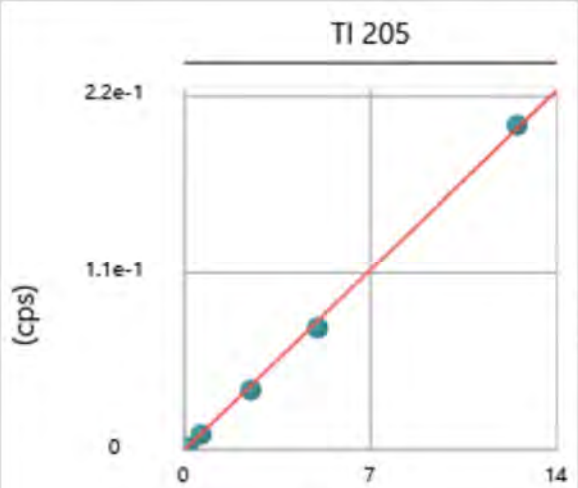
Eqn. : y = 0.036x + 0.000
Cor.Coeff. : 0.999654
BEC : 0.003845 ug/L
DL : 0.000893 ug/L



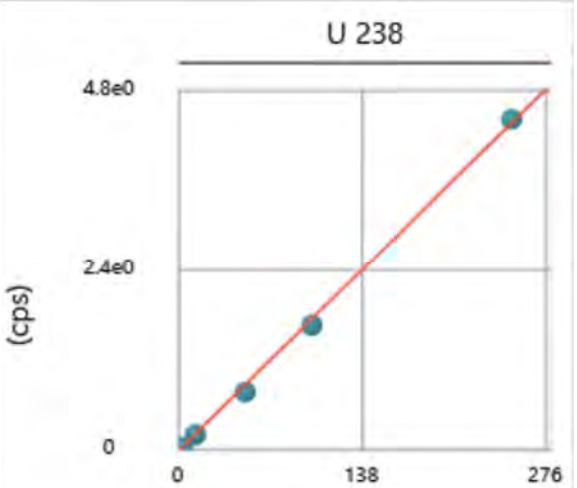
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



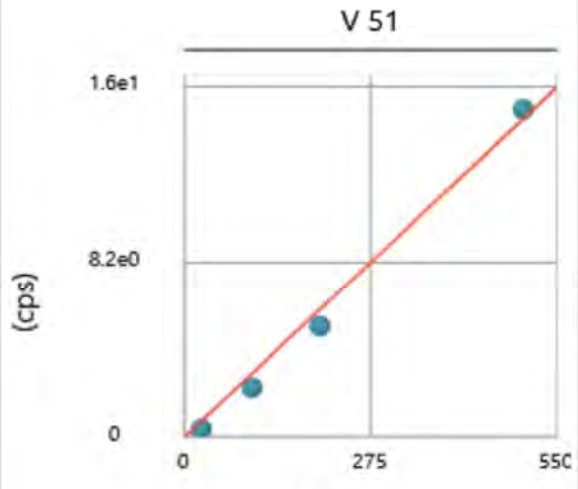
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999820
BEC : 0.104083 ug/L
DL : 0.070418 ug/L



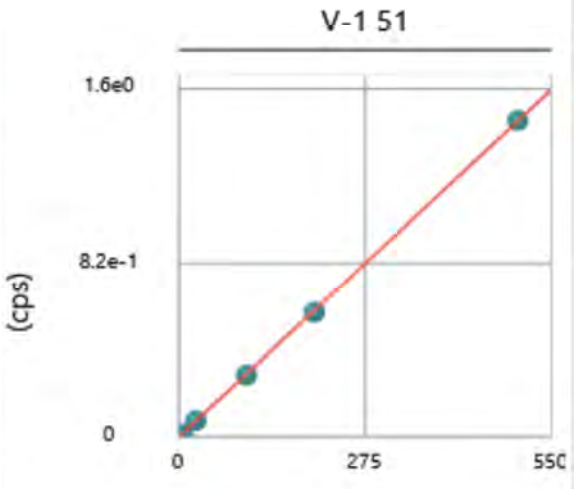
Eqn. : y = 0.016x + 0.000
Cor.Coeff. : 0.999704
BEC : 0.000597 ug/L
DL : 0.000792 ug/L



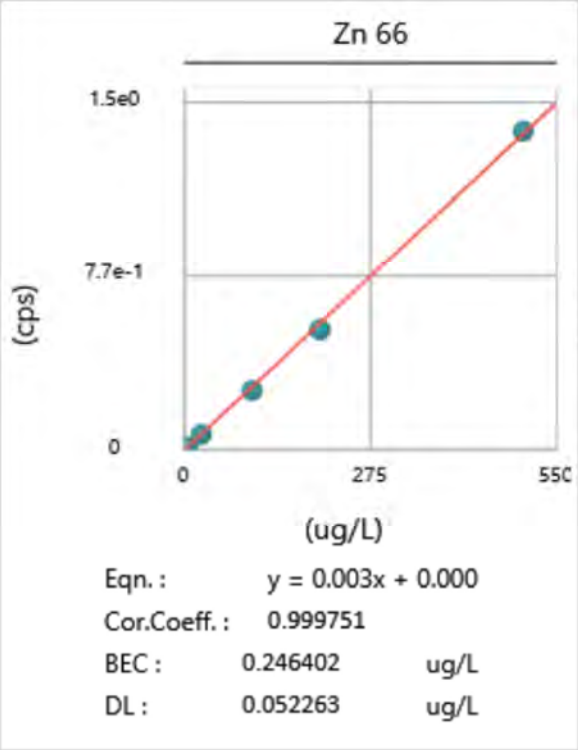
Eqn. : y = 0.017x + 0.000
Cor.Coeff. : 0.999578
BEC : 0.000071 ug/L
DL : 0.000186 ug/L

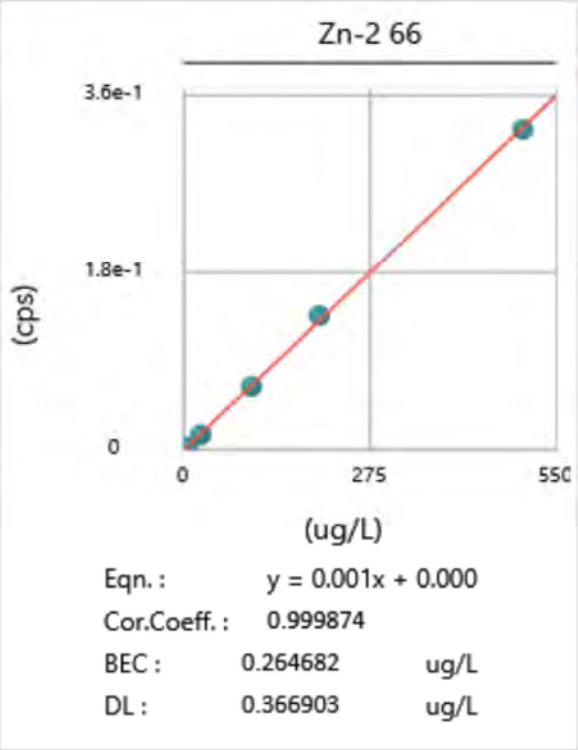


Eqn. : y = 0.030x + 0.000
Cor.Coeff. : 0.997201
BEC : 49.114378 ug/L
DL : 2.143670 ug/L



Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999976
BEC : 0.413672 ug/L
DL : 0.113994 ug/L


Zn 66
1.5e0
7.7e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999751
BEC : 0.246402 ug/L
DL : 0.052263 ug/L


Zn-2 66
3.6e-1
1.8e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999874
BEC : 0.264682 ug/L
DL : 0.366903 ug/L

Tunes

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 10/8/2021 2:57:28 PM
End Time: 10/8/2021 2:59:49 PM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 13211.71
Obtained Intensity (Mg 24): 67108.71
Obtained Intensity (In 115): 67082.16
Obtained Intensity (U 238): 51907.41
Obtained Intensity (Bkgd 220): 0.07
Obtained Formula (CeO 156 / Ce 140): 0.021 (=1523.41 / 70960.30)
Obtained Formula (Ce++ 70 / Ce 140): 0.019 (=1371.00 / 70960.30)
Obtained RSD (Be 9): 0.0108
Obtained RSD (Mg 24): 0.0199
Obtained RSD (In 115): 0.0163
Obtained RSD (U 238): 0.0105

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 10/8/2021 2:57:28 PM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 13211.71
Obtained Intensity (Mg 24): 67108.71
Obtained Intensity (In 115): 67082.16
Obtained Intensity (U 238): 51907.41
Obtained Intensity (Bkgd 220): 0.07
Obtained Formula (CeO 156 / Ce 140): 0.021 (=1523.41 / 70960.30)
Obtained Formula (Ce++ 70 / Ce 140): 0.019 (=1371.00 / 70960.30)
Obtained RSD (Be 9): 0.0108
Obtained RSD (Mg 24): 0.0199
Obtained RSD (In 115): 0.0163
Obtained RSD (U 238): 0.0105

[Passed] Optimum value(s): N/A

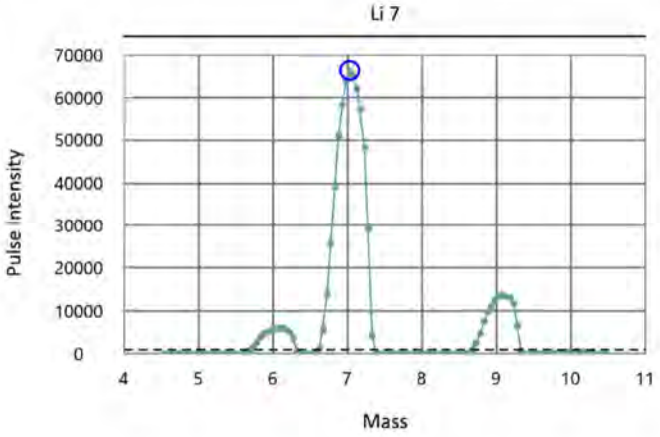
End Time: 10/8/2021 2:59:49 PM

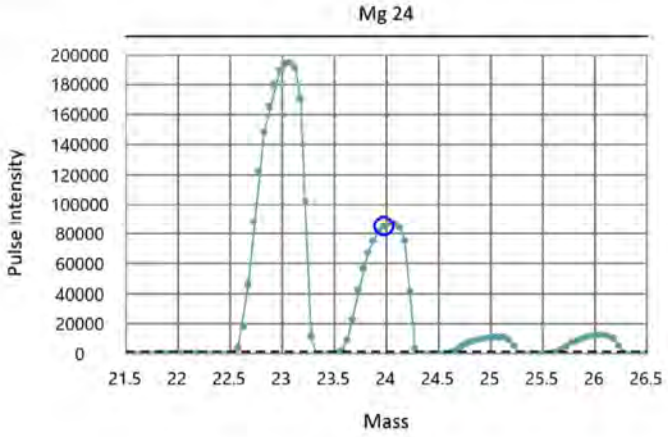
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.691)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.688)
Target/Obtained mass (114.904/114.875), Target/Obtained resolution (0.7/0.687)
Target/Obtained mass (207.977/208.025), Target/Obtained resolution (0.7/0.716)
Target/Obtained mass (238.05/238.025), Target/Obtained resolution (0.7/0.718)

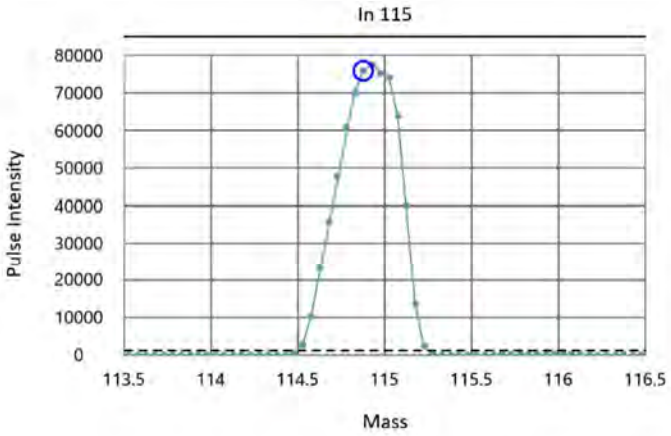
Acq. Date/Time: 10/8/2021 2:41:41 PM

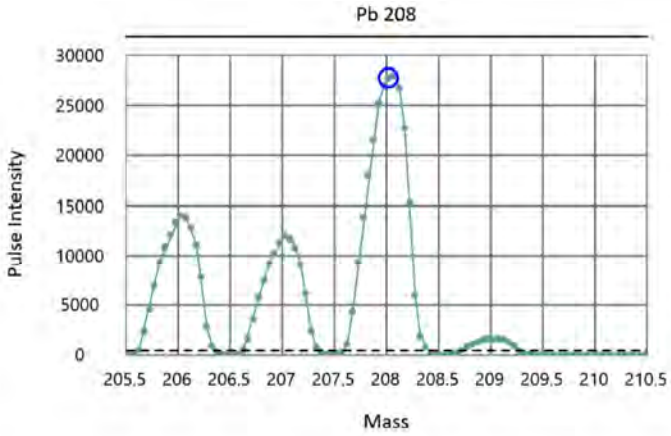
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

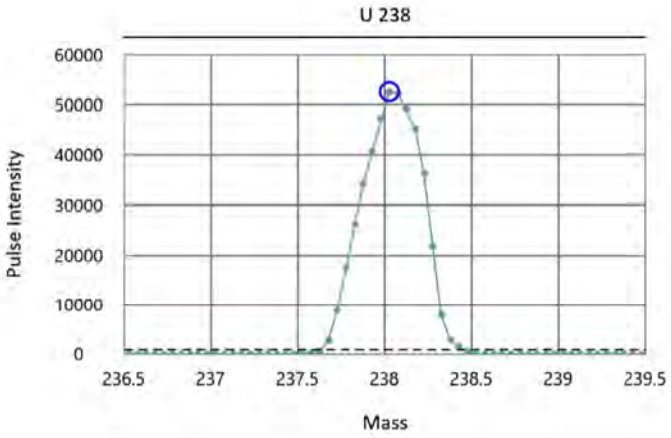
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1326	2022	0.691	
Mg	23.985	23.975	4714	2023	0.688	
In	114.904	114.875	22848	2041	0.687	
Pb	207.977	208.025	41425	2060	0.716	
U	238.05	238.025	47418	2067	0.718	











SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 10/11/2021 8:47:45 AM
End Time: 10/11/2021 8:50:05 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 8105.10
Obtained Intensity (Mg 24): 38194.01
Obtained Intensity (In 115): 53477.22
Obtained Intensity (U 238): 40949.50
Obtained Intensity (Bkgd 220): 0.57
Obtained Formula (CeO 156 / Ce 140): 0.020 (=1438.01 / 73306.37)
Obtained Formula (Ce++ 70 / Ce 140): 0.012 (=878.29 / 73306.37)
Obtained RSD (Be 9): 0.0285
Obtained RSD (Mg 24): 0.0209
Obtained RSD (In 115): 0.0233
Obtained RSD (U 238): 0.0235

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 10/11/2021 8:47:45 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 8105.10
Obtained Intensity (Mg 24): 38194.01
Obtained Intensity (In 115): 53477.22
Obtained Intensity (U 238): 40949.50
Obtained Intensity (Bkgd 220): 0.57
Obtained Formula (CeO 156 / Ce 140): 0.020 (=1438.01 / 73306.37)
Obtained Formula (Ce++ 70 / Ce 140): 0.012 (=878.29 / 73306.37)
Obtained RSD (Be 9): 0.0285
Obtained RSD (Mg 24): 0.0209
Obtained RSD (In 115): 0.0233
Obtained RSD (U 238): 0.0235

[Passed] Optimum value(s): N/A

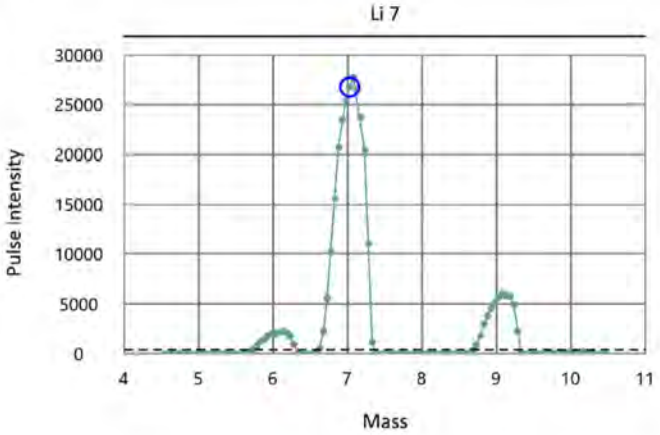
End Time: 10/11/2021 8:50:05 AM

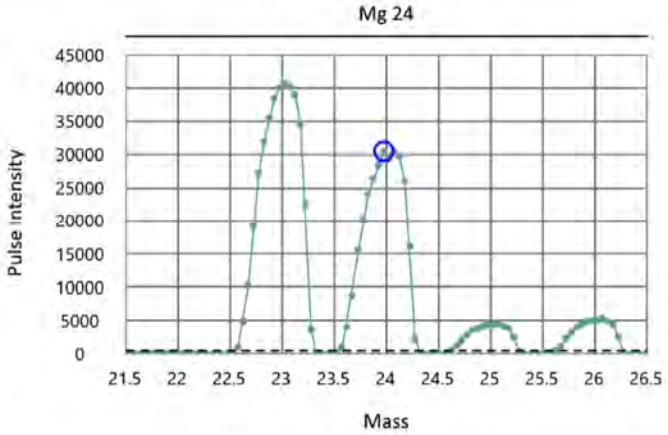
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.677)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.708)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.674)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.706)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.705)

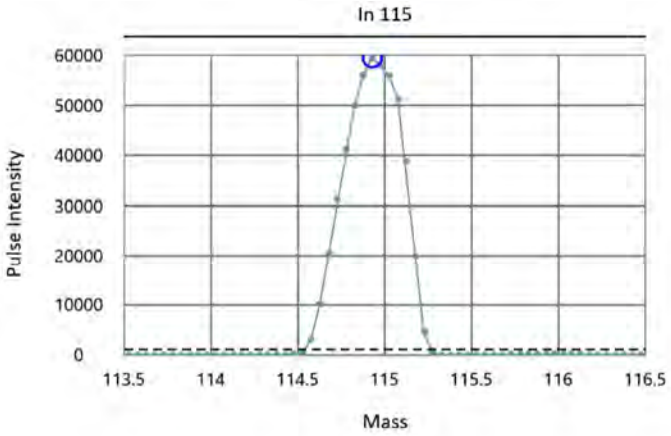
Acq. Date/Time: 10/11/2021 8:26:02 AM

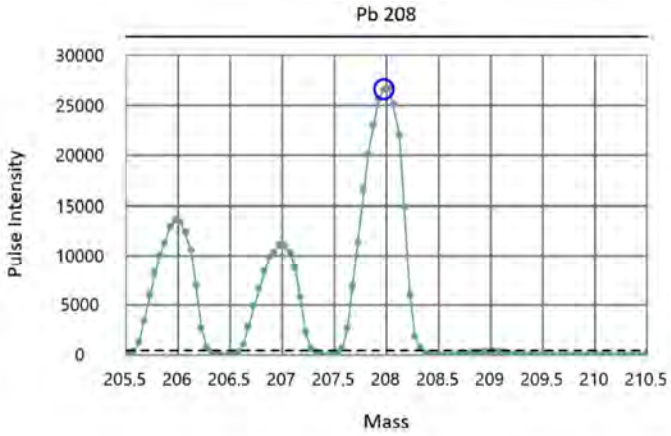
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

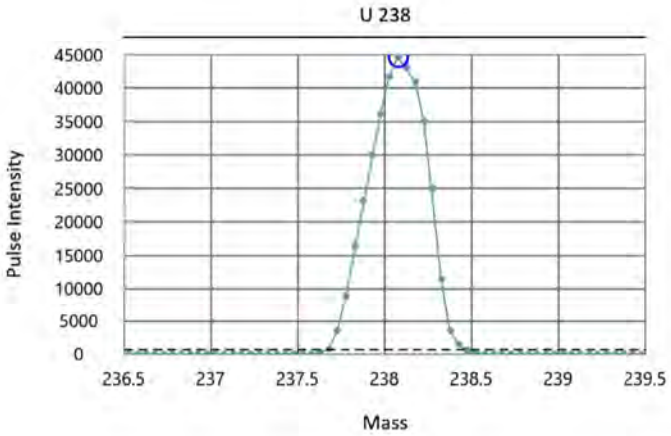
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1327	2022	0.677	
Mg	23.985	23.975	4712	2023	0.708	
In	114.904	114.925	22852	2041	0.674	
Pb	207.977	207.975	41424	2060	0.706	
U	238.05	238.075	47422	2067	0.705	











3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Shannon & Wilson
Ryan Peterson
400 N. 34th Street, Suite 100
Seattle, WA 98103

RE: 8801- Excavations
Work Order Number: 2110033

October 05, 2021

Attention Ryan Peterson:

Fremont Analytical, Inc. received 2 sample(s) on 10/1/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

Date: *10/11/2021*

CLIENT: Shannon & Wilson
Project: 8801- Excavations
Work Order: 2110033

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110033-001	AI-SIDE19:2	10/01/2021 2:00 PM	10/01/2021 3:00 PM
2110033-002	TRIP-20211001	10/01/2021 2:00 PM	10/01/2021 3:00 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Revision v1

Case Narrative

WO#: **2110033**
Date: **10/5/2021**

CLIENT: Shannon & Wilson
Project: 8801- Excavations

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

10/11/21: Revision 1 includes Level 2b data.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **2110033**
Date Reported: **10/5/2021**

Client: Shannon & Wilson
Collection Date: 10/1/2021 2:00:00 PM
Project: 8801- Excavations
Lab ID: 2110033-001
Matrix: Soil
Client Sample ID: AI-SIDE19:2

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33926			Analyst: CR
Vinyl chloride	ND	0.0365	0.0147		mg/Kg-dry	1	10/04/21 15:04:31
Trichloroethene (TCE)	0.165	0.0292	0.0116		mg/Kg-dry	1	10/04/21 15:04:31
Tetrachloroethene (PCE)	0.0120	0.0584	0.00688	J	mg/Kg-dry	1	10/04/21 15:04:31
Surr: Dibromofluoromethane	97.5	75.5 - 119	0		%Rec	1	10/04/21 15:04:31
Surr: Toluene-d8	107	82.4 - 115	0		%Rec	1	10/04/21 15:04:31
Surr: 1-Bromo-4-fluorobenzene	100	78.5 - 118	0		%Rec	1	10/04/21 15:04:31
Sample Moisture (Percent Moisture)				Batch ID: R70309			Analyst: OK
Percent Moisture	23.7	0.500	0.100		wt%	1	10/04/21 10:04:06

Client: Shannon & Wilson
Collection Date: 10/1/2021 2:00:00 PM
Project: 8801- Excavations
Lab ID: 2110033-002
Matrix: Soil
Client Sample ID: TRIP-20211001

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33926			Analyst: CR
Vinyl chloride	ND	0.0250	0.0101		mg/Kg	1	10/04/21 14:33:31
Trichloroethene (TCE)	ND	0.0200	0.00797		mg/Kg	1	10/04/21 14:33:31
Tetrachloroethene (PCE)	ND	0.0400	0.00471		mg/Kg	1	10/04/21 14:33:31
Surr: Dibromofluoromethane	99.2	75.5 - 119	0		%Rec	1	10/04/21 14:33:31
Surr: Toluene-d8	106	82.4 - 115	0		%Rec	1	10/04/21 14:33:31
Surr: 1-Bromo-4-fluorobenzene	98.2	78.5 - 118	0		%Rec	1	10/04/21 14:33:31

Work Order: 2110033
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **ICB** SampType: **ICB** Units: **µg/L** Prep Date: **9/28/2021** RunNo: **70220**
Client ID: **ICB** Batch ID: **R70220** Analysis Date: **9/28/2021** SeqNo: **1424659**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	24.5		25.00		97.9	63.7	129				
Surr: Toluene-d8	25.3		25.00		101	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	24.6		25.00		98.6	63.1	141				

Sample ID: **ICV VOC SOIL 25964** SampType: **ICV** Units: **µg/L** Prep Date: **9/28/2021** RunNo: **70220**
Client ID: **ICV** Batch ID: **R70220** Analysis Date: **9/28/2021** SeqNo: **1424660**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	18.7	0.0250	20.00	0	93.6	70	130				
Trichloroethene (TCE)	19.7	0.0200	20.00	0	98.5	70	130				
Tetrachloroethene (PCE)	20.0	0.0400	20.00	0	99.8	70	130				
Surr: Dibromofluoromethane	26.2		25.00		105	63.7	129				
Surr: Toluene-d8	24.9		25.00		99.7	61.4	128				
Surr: 1-Bromo-4-fluorobenzene	25.3		25.00		101	63.1	141				

Sample ID: **CCV-33926A** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/4/2021** RunNo: **70341**
Client ID: **CCV** Batch ID: **33926** Analysis Date: **10/4/2021** SeqNo: **1427447**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	18.8	0.0250	20.00	0	93.9	80	120				
Trichloroethene (TCE)	18.8	0.0200	20.00	0	94.2	80	120				
Tetrachloroethene (PCE)	19.0	0.0400	20.00	0	95.1	80	120				
Surr: Dibromofluoromethane	27.3		25.00		109	80	120				
Surr: Toluene-d8	26.4		25.00		106	80	120				
Surr: 1-Bromo-4-fluorobenzene	25.5		25.00		102	80	120				

Work Order: 2110033
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-33926**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **10/4/2021**		RunNo: **70341**			
Client ID: **LCSS**	Batch ID: **33926**					Analysis Date: **10/4/2021**		SeqNo: **1427453**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.939	0.0250	1.000	0	93.9	80	120				
Trichloroethene (TCE)	0.942	0.0200	1.000	0	94.2	80	120				
Tetrachloroethene (PCE)	0.951	0.0400	1.000	0	95.1	80	120				
Surr: Dibromofluoromethane	1.37		1.250		109	75.5	120				
Surr: Toluene-d8	1.32		1.250		106	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.28		1.250		102	78.5	120				

Sample ID: **MB-33926**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **10/4/2021**		RunNo: **70341**			
Client ID: **MBLKS**	Batch ID: **33926**					Analysis Date: **10/4/2021**		SeqNo: **1427448**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.23		1.250		98.1	75.5	119				
Surr: Toluene-d8	1.32		1.250		105	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.23		1.250		98.7	78.5	118				

Sample ID: **2110033-001BMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **10/4/2021**		RunNo: **70341**			
Client ID: **AI-SIDE19:2**	Batch ID: **33926**					Analysis Date: **10/4/2021**		SeqNo: **1427451**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.51	0.0365	1.461	0	103	50.3	134				
Trichloroethene (TCE)	1.62	0.0292	1.461	0.1651	99.9	78.9	132				
Tetrachloroethene (PCE)	1.45	0.0584	1.461	0.01197	98.6	77.7	131				
Surr: Dibromofluoromethane	1.97		1.826		108	75.5	119				
Surr: Toluene-d8	1.92		1.826		105	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.91		1.826		105	78.5	118				

Work Order: 2110033
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCSD-33926** SampType: **LCSD** Units: **mg/Kg** Prep Date: **10/4/2021** RunNo: **70341**
Client ID: **LCSS02** Batch ID: **33926** Analysis Date: **10/4/2021** SeqNo: **1427452**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.878	0.0250	1.000	0	87.8	80	120	0.9390	6.77	20	
Trichloroethene (TCE)	0.910	0.0200	1.000	0	91.0	80	120	0.9416	3.46	20	
Tetrachloroethene (PCE)	0.868	0.0400	1.000	0	86.8	80	120	0.9511	9.10	20	
Surr: Dibromofluoromethane	1.35		1.250		108	75.5	120		0		
Surr: Toluene-d8	1.39		1.250		111	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.31		1.250		104	78.5	120		0		

Sample ID: **CCV-33926B** SampType: **QCS** Units: **mg/Kg** Prep Date: **10/4/2021** RunNo: **70341**
Client ID: **BATCH** Batch ID: **33926** Analysis Date: **10/4/2021** SeqNo: **1427454**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	17.6	0.0250	20.00	0	87.8	50	150				
Trichloroethene (TCE)	18.2	0.0200	20.00	0	91.0	50	150				
Tetrachloroethene (PCE)	17.4	0.0400	20.00	0	86.8	50	150				
Surr: Dibromofluoromethane	27.0		25.00		108	50	150				
Surr: Toluene-d8	27.9		25.00		111	50	150				
Surr: 1-Bromo-4-fluorobenzene	26.1		25.00		104	50	150				

Sample Log-In Check List

Client Name:	**SW**	Work Order Number:	**2110033**
Logged by:	**Gabrielle Coeuille**	Date Received:	**10/1/2021 3:00:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
6.	Was an attempt made to cool the samples?	Yes ☐	No ☑	NA ☐
		Unknown prior to receipt		
7.	Were all items received at a temperature of >2°C to 6°C *	Yes ☐	No ☐	NA ☑
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	18.5

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 10/1/2021 Page: 1 of: 1

Laboratory Project No (internal): 2110033

Project Name: 103485-008

Project No: 8801-Excavations

Special Remarks: Refer to project methods. ~~out~~

Collected by: Ryan Peterson

Location: Tukwila, WA

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Client: Shannon & Wilson

Address: 400 N. 34th St, Suite 100

City, State, Zip: Seattle, WA 98103

Telephone:

Fax:

Report To (PM): Ryan Peterson

PM Email: RP@shanwil.com

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) / Dissolved (D)	Anions (IC)***	EDB (8011)	TCE, PCE, vinyl chloride				Comments
1	A1-SIDE19:2	10/1	1400	S	3											X					
2	TMP-20211001	10/1	1400	—	1											X					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☒ 2 Day ____ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	RYAN PETERSON	10/1/21	x	Alex Trejo	10-01-21 15:00
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

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DATA SET for Review -- Deliverable Requirements

Volatile Organic Compounds by EPA Method 8260D

Fremont Analytical Work Order No. 2110033

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Injection Log

Data Directory: D:\GC-9\DATA\092821\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 092833.D	8260.M			
No data found			0.000	N/A
2) 092801.D	8260.M			
CLEANOUT	O-VOC-GX-S	1	1.000	28 Sep 2021 03:08 pm
3) 092802.D	8260.M			
CLEANOUT	O-VOC-GX-S	1	1.000	28 Sep 2021 03:39 pm
4) 092803.D	8260.M			
VOC SOIL CAL1 25909	O-VOC-GX-S	2	1.000	28 Sep 2021 04:10 pm
5) 092804.D	8260.M			
VOC SOIL CAL2	O-VOC-GX-S	3	1.000	28 Sep 2021 04:41 pm
6) 092805.D	8260.M			
VOC SOIL CAL3	O-VOC-GX-S	4	1.000	28 Sep 2021 05:12 pm
7) 092806.D	8260.M			
VOC SOIL CAL4	O-VOC-GX-S	5	1.000	28 Sep 2021 05:43 pm
8) 092807.D	8260.M			
VOC SOIL CAL5	O-VOC-GX-S	6	1.000	28 Sep 2021 06:14 pm
9) 092808.D	8260.M			
VOC SOIL CAL6	O-VOC-GX-S	7	1.000	28 Sep 2021 06:45 pm
10) 092809.D	8260.M			
VOC SOIL CAL7	O-VOC-GX-S	8	1.000	28 Sep 2021 07:16 pm
11) 092810.D	8260.M			
VOC SOIL CAL8	O-VOC-GX-S	9	1.000	28 Sep 2021 07:47 pm
12) 092811.D	8260.M			
CLEANOUT	O-VOC-GX-S	10	1.000	28 Sep 2021 08:18 pm
13) 092812.D	8260.M			
ICB	O-VOC-GX-S	11	1.000	28 Sep 2021 08:49 pm
14) 092813.D	8260.M			
ICV VOC SOIL 25964	O-VOC-GX-S	12	1.000	28 Sep 2021 09:20 pm
15) 092814.D	8260.M			
CLEANOUT	O-VOC-GX-S	10	1.000	28 Sep 2021 09:51 pm
16) 092815.D	8260.M			
GX CAL1 25970	O-VOC-GX-S	13	1.000	28 Sep 2021 10:22 pm
17) 092816.D	8260.M			
GX CAL2	O-VOC-GX-S	14	1.000	28 Sep 2021 10:53 pm
18) 092817.D	8260.M			
GX CAL3	O-VOC-GX-S	15	1.000	28 Sep 2021 11:24 pm
19) 092818.D	8260.M			
GX CAL4	O-VOC-GX-S	16	1.000	28 Sep 2021 11:55 pm
20) 092819.D	8260.M			
GX CAL5	O-VOC-GX-S	17	1.000	29 Sep 2021 12:26 am
21) 092820.D	8260.M			
GX CAL6	O-VOC-GX-S	18	1.000	29 Sep 2021 12:57 am

22) 092821.D	8260.M					
GX CAL7	O-VOC-GX-S	19	1.000	29 Sep 2021	01:28	am
23) 092822.D	8260.M					
CLEANOUT	O-VOC-W	20	1.000	29 Sep 2021	01:59	am
24) 092823.D	8260.M					
ICB	O-VOC-GX-S	21	1.000	29 Sep 2021	02:29	am
25) 092824.D	8260.M					
ICV GX 25738	O-VOC-GX-S	22	1.000	29 Sep 2021	03:00	am
26) 092825.D	8260.M					
CCV-33866A_LCS-338..	O-VOC-S	23	1.000	29 Sep 2021	03:31	am
27) 092826.D	8260.M					
CCV-33866A GX	O-VOC-GX-S	24	1.000	29 Sep 2021	04:02	am
28) 092827.D	8260.M					
LCS-33866 GX	O-VOC-GX-S	25	1.000	29 Sep 2021	04:33	am
29) 092828.D	8260.M					
CLEANOUT	O-VOC-S	26	1.000	29 Sep 2021	05:04	am
30) 092829.D	8260.M					
MB-33866	O-VOC-S	27	1.000	29 Sep 2021	05:35	am
31) 092830.D	8260.M					
2109352-002B	O-VOC-S	28	1.000	29 Sep 2021	06:06	am
32) 092831.D	8260.M					
2109352-003B	O-VOC-S	29	1.000	29 Sep 2021	06:37	am
33) 092832.D	8260.M					
2109352-003BDUP	O-VOC-S	30	1.000	29 Sep 2021	07:08	am

Injection Log

Data Directory: D:\GC-9\DATA\100421\

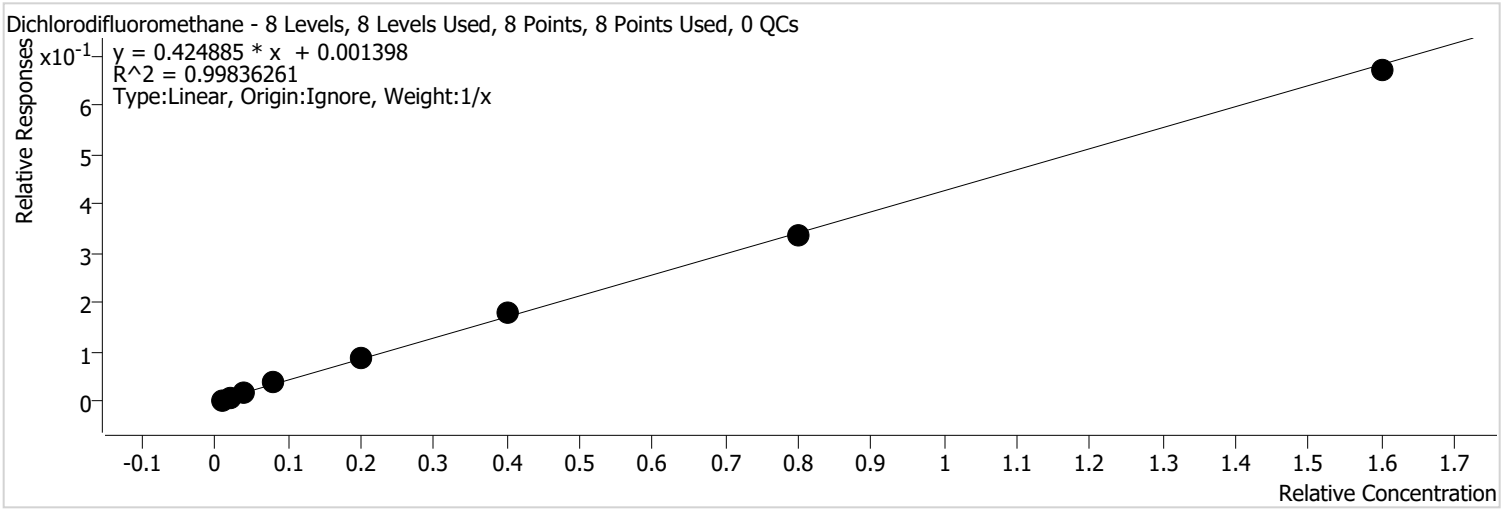
	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	100415.D	8260.M			
No data found				0.000	N/A
2)	100133.D	8260.M			
CCV-33900D GX	O-VOC-GX-S		31	1.000	04 Oct 2021 09:52 am
3)	100401.D	8260.M			
CCV-33926A_LCS-339..	O-VOC-S		32	1.000	04 Oct 2021 12:29 pm
4)	100402.D	8260.M			
LCS-33926 GX	O-VOC-GX-S		33	1.000	04 Oct 2021 01:00 pm
5)	100403.D	8260.M			
CLEANOUT	O-VOC-S		34	1.000	04 Oct 2021 01:31 pm
6)	100404.D	8260.M			
MB-33926	O-VOC-S		35	1.000	04 Oct 2021 02:02 pm
7)	100405.D	8260.M			
2110033-002A TB	O-VOC-S		36	1.000	04 Oct 2021 02:33 pm
8)	100406.D	8260.M			
2110033-001B	O-VOC-S		37	1.000	04 Oct 2021 03:04 pm
9)	100407.D	8260.M			
2109516-001A	O-VOC-S		38	1.000	04 Oct 2021 03:35 pm
10)	100408.D	8260.M			
2109516-001ADUP	O-VOC-S		39	1.000	04 Oct 2021 04:06 pm
11)	100409.D	8260.M			
2109516-002A	O-VOC-S		40	1.000	04 Oct 2021 04:37 pm
12)	100410.D	8260.M			
2110033-001BMS VOC	O-VOC-S		41	1.000	04 Oct 2021 05:08 pm
13)	100411.D	8260.M			
2109516-002AMS GX	O-VOC-GX-S		42	1.000	04 Oct 2021 05:39 pm
14)	100412.D	8260.M			
CLEANOUT	O-VOC-S		34	1.000	04 Oct 2021 06:10 pm
15)	100413.D	8260.M			
MDS VOC IDC01	O-VOC-S		43	1.000	04 Oct 2021 06:41 pm
16)	100414.D	8260.M			
MDS VOC IDC02	O-VOC-S		44	1.000	04 Oct 2021 07:12 pm

Calibration

Calibration Report

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:07 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

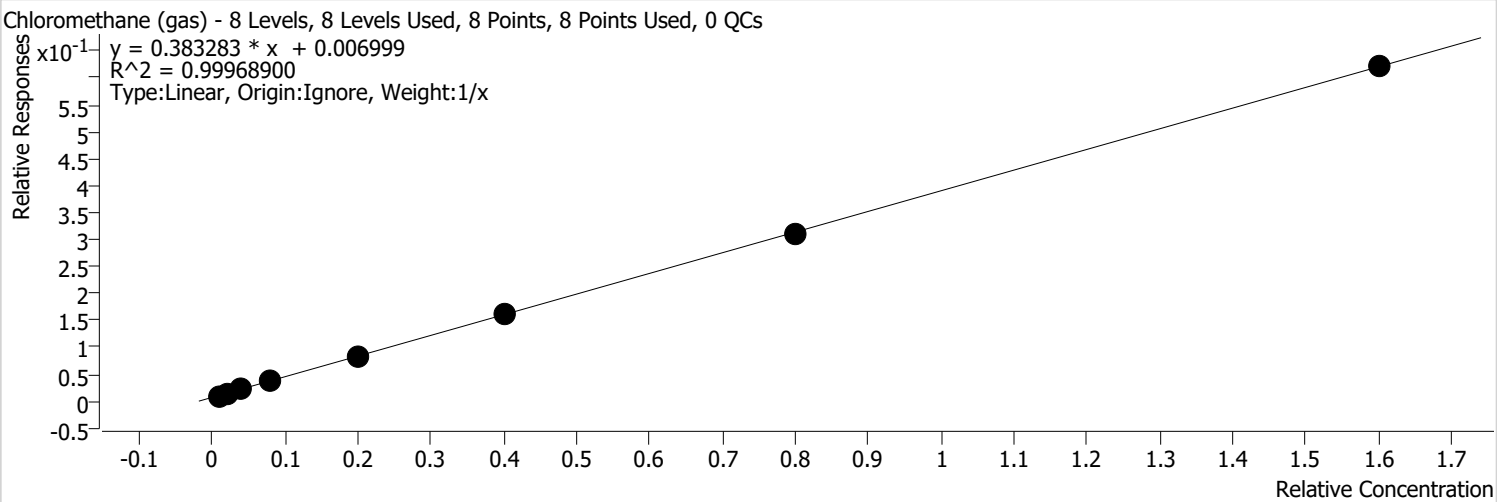
Dichlorodifluoromethane %RSE = 10.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	23103	0.2000	0.5131	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	55805	0.5000	0.4884	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	107586	1.0000	0.4591	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	219567	2.0000	0.5031	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	519125	5.0000	0.4559	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1055164	10.0000	0.4525	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	2012085	20.0000	0.4193	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	4069201	40.0000	0.4179	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

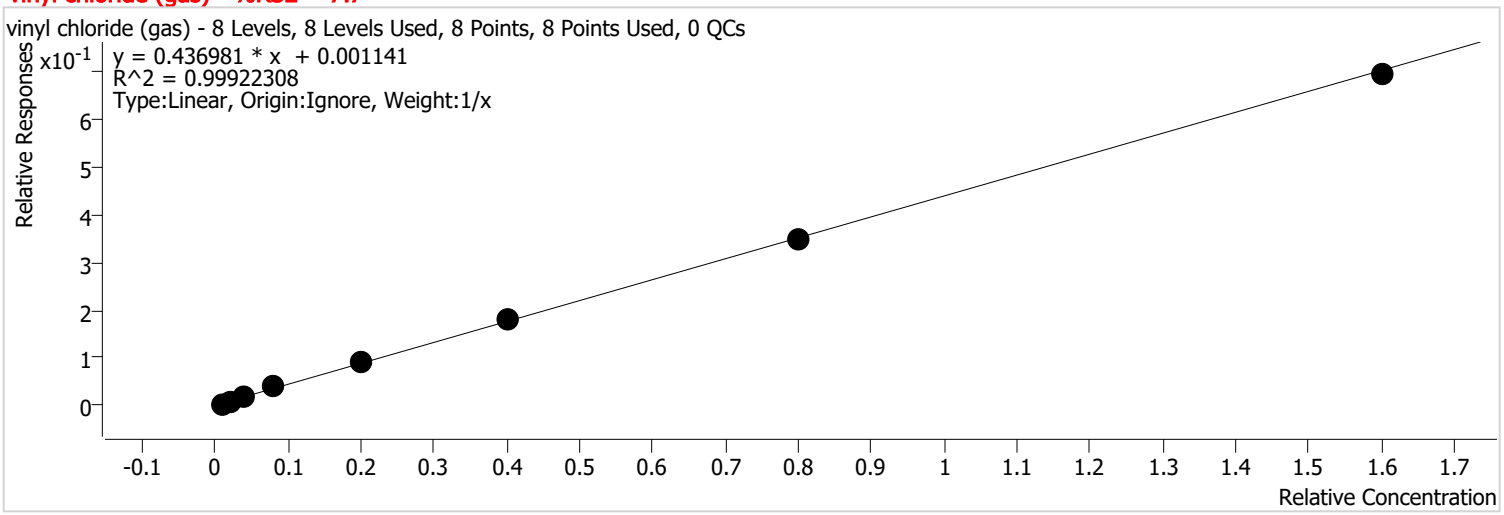
Chloromethane (gas) %RSE = 4.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	56023	0.2000	1.2442	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	80377	0.5000	0.7034	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	133898	1.0000	0.5713	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	217235	2.0000	0.4977	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	482046	5.0000	0.4233	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	946020	10.0000	0.4057	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	1851271	20.0000	0.3858	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	3775119	40.0000	0.3877	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

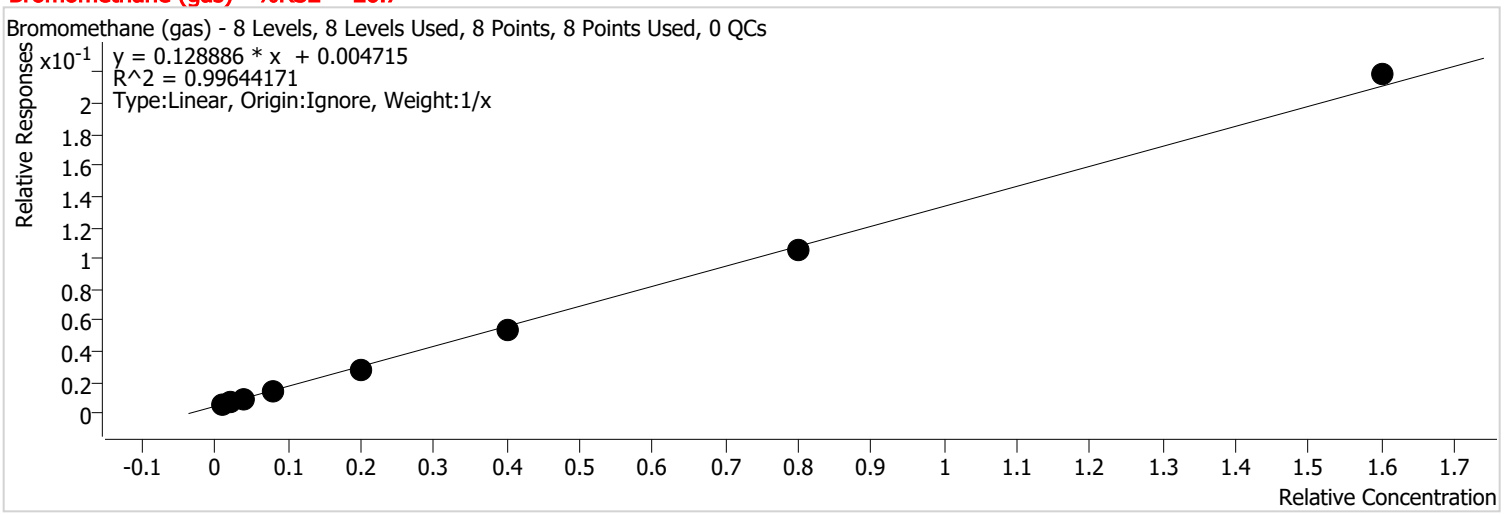
vinyl chloride (gas) %RSE = 7.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	23234	0.2000	0.5160	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	55807	0.5000	0.4884	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	109632	1.0000	0.4678	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	217709	2.0000	0.4988	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	518571	5.0000	0.4554	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1064528	10.0000	0.4566	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	2083267	20.0000	0.4341	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	4206856	40.0000	0.4320	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

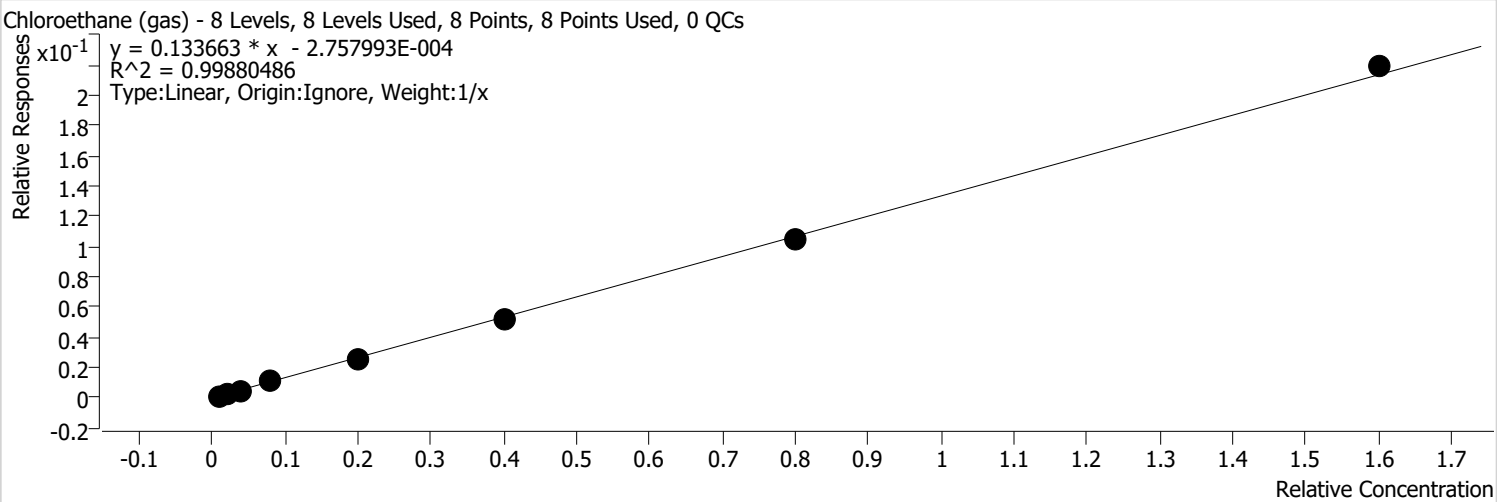
Bromomethane (gas) %RSE = 26.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	35658	0.2000	0.7919	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	39056	0.5000	0.3418	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	50782	1.0000	0.2167	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	79053	2.0000	0.1811	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	159808	5.0000	0.1403	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	317006	10.0000	0.1360	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	637555	20.0000	0.1329	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	1329100	40.0000	0.1365	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

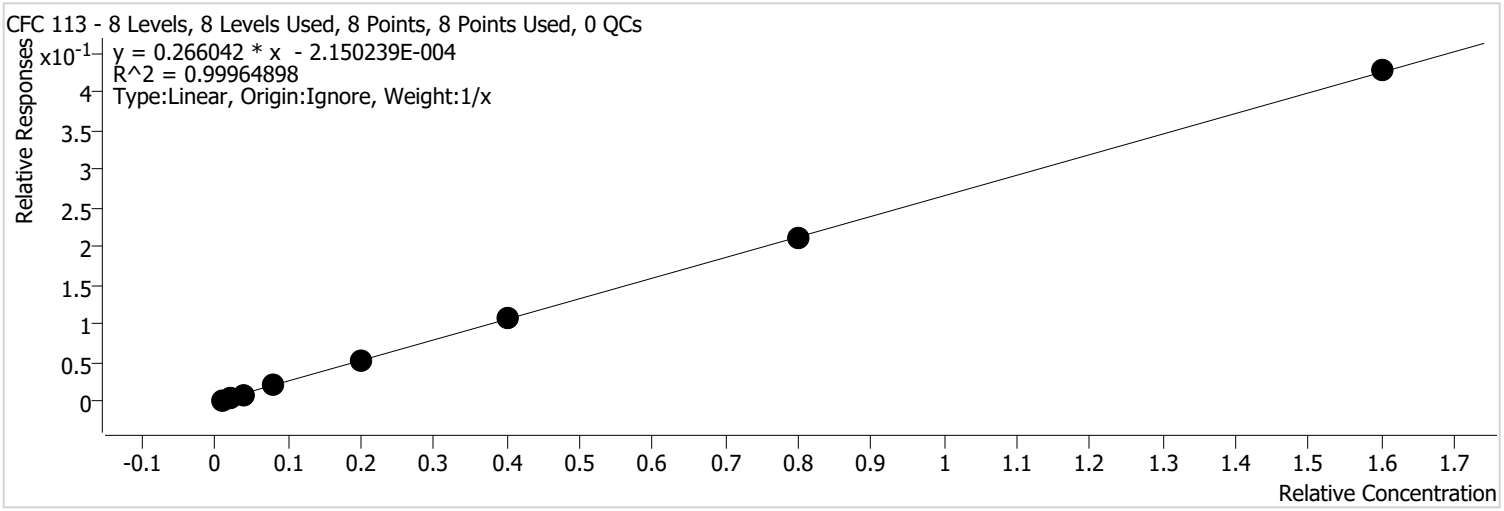
Chloroethane (gas) %RSE = 12.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	6099	0.2000	0.1354	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	12622	0.5000	0.1105	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	26432	1.0000	0.1128	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	55929	2.0000	0.1281	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	141053	5.0000	0.1239	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	301106	10.0000	0.1291	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	630802	20.0000	0.1314	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	1332342	40.0000	0.1368	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

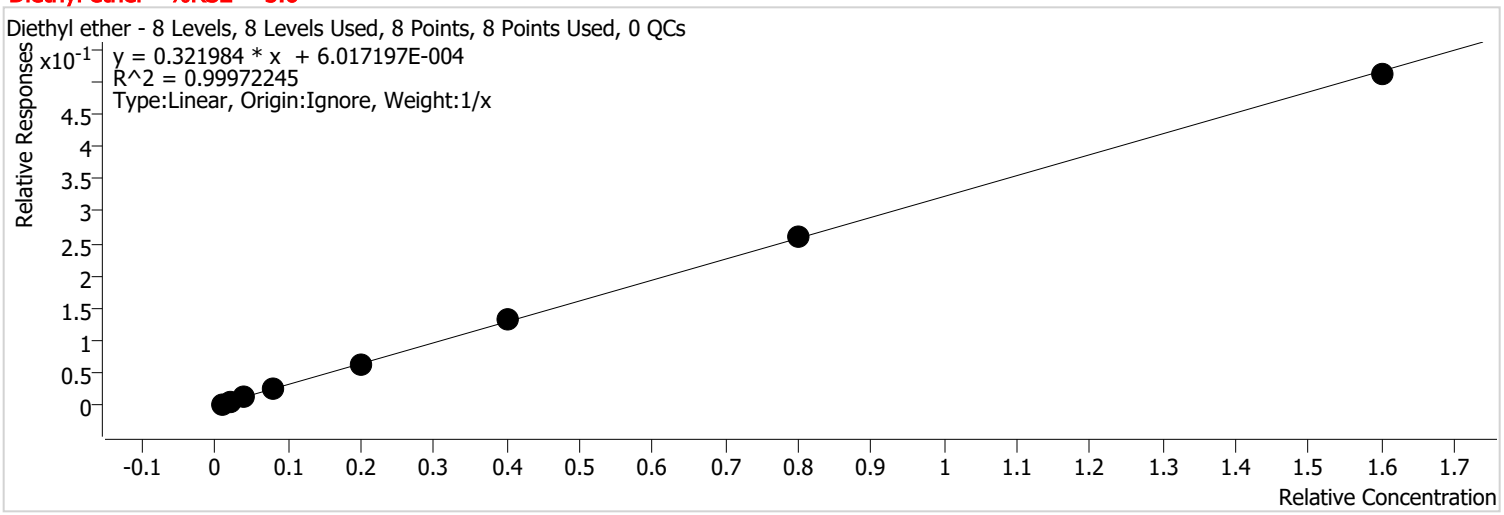
CFC 113 %RSE = 7.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	12176	0.2000	0.2704	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	29798	0.5000	0.2608	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	53438	1.0000	0.2280	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	116145	2.0000	0.2661	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	291355	5.0000	0.2559	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	620663	10.0000	0.2662	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	1277028	20.0000	0.2661	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	2601480	40.0000	0.2672	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

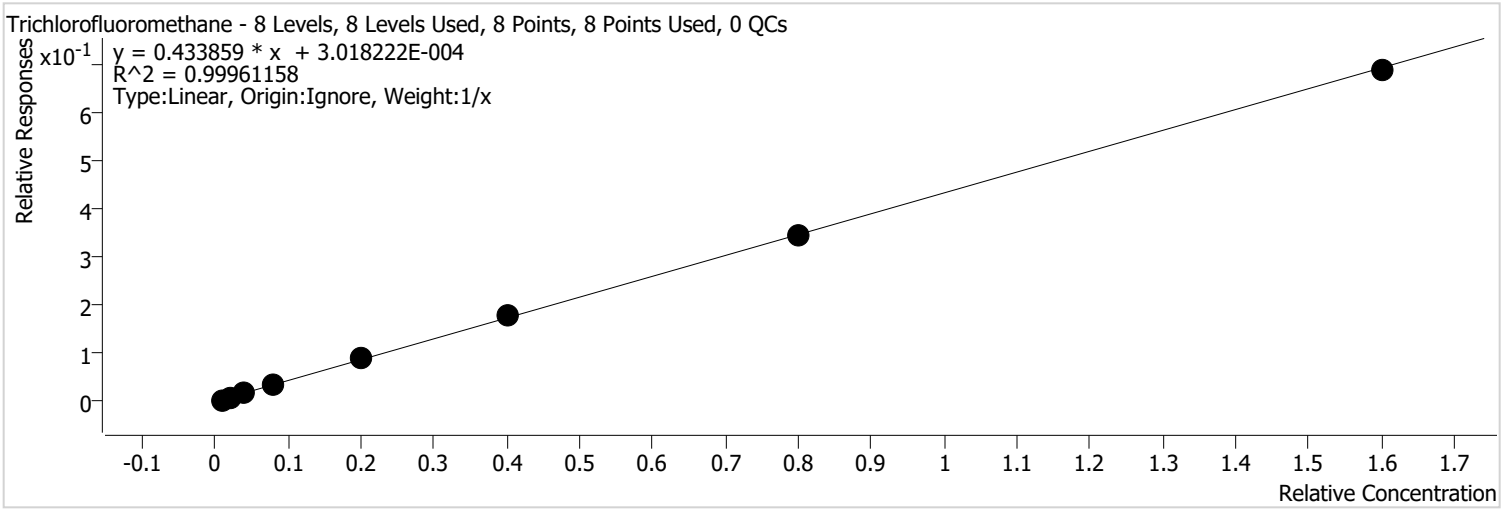
Diethyl ether %RSE = 3.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	17567	0.2000	0.3901	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	40763	0.5000	0.3567	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	74414	1.0000	0.3175	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	150956	2.0000	0.3459	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	369366	5.0000	0.3244	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	769165	10.0000	0.3299	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	1564557	20.0000	0.3260	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	3104733	40.0000	0.3188	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

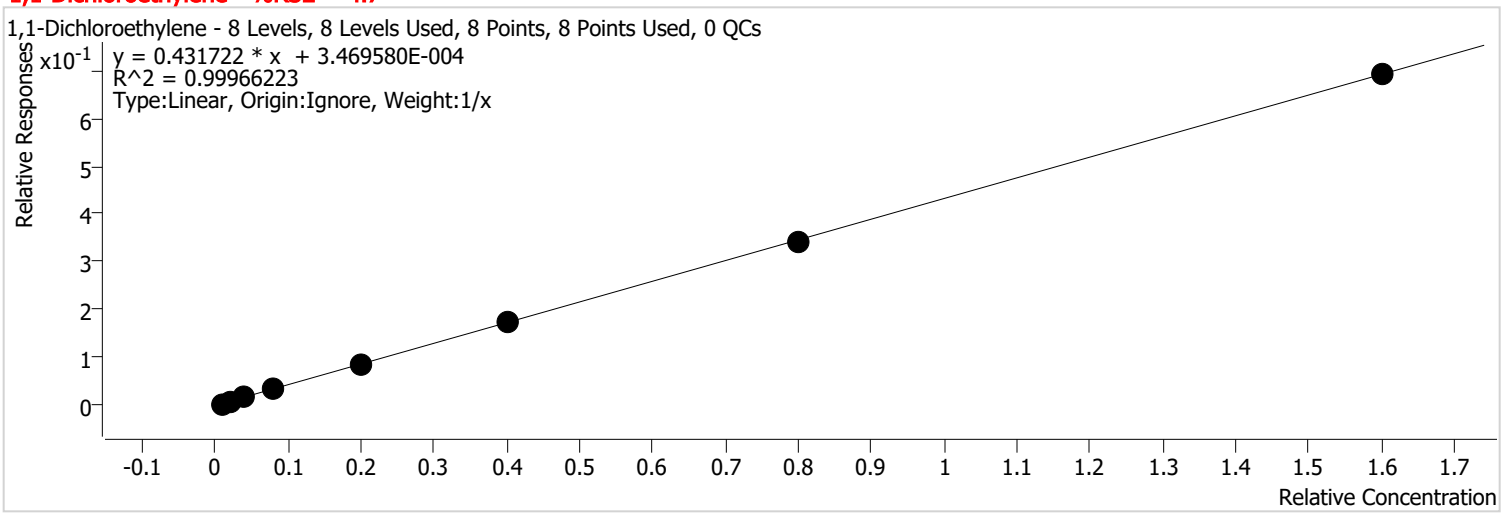
Trichlorofluoromethane %RSE = 4.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	20450	0.2000	0.4542	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	52332	0.5000	0.4580	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	95455	1.0000	0.4073	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	204125	2.0000	0.4677	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	501882	5.0000	0.4407	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1041062	10.0000	0.4465	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	2079059	20.0000	0.4332	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	4189373	40.0000	0.4302	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

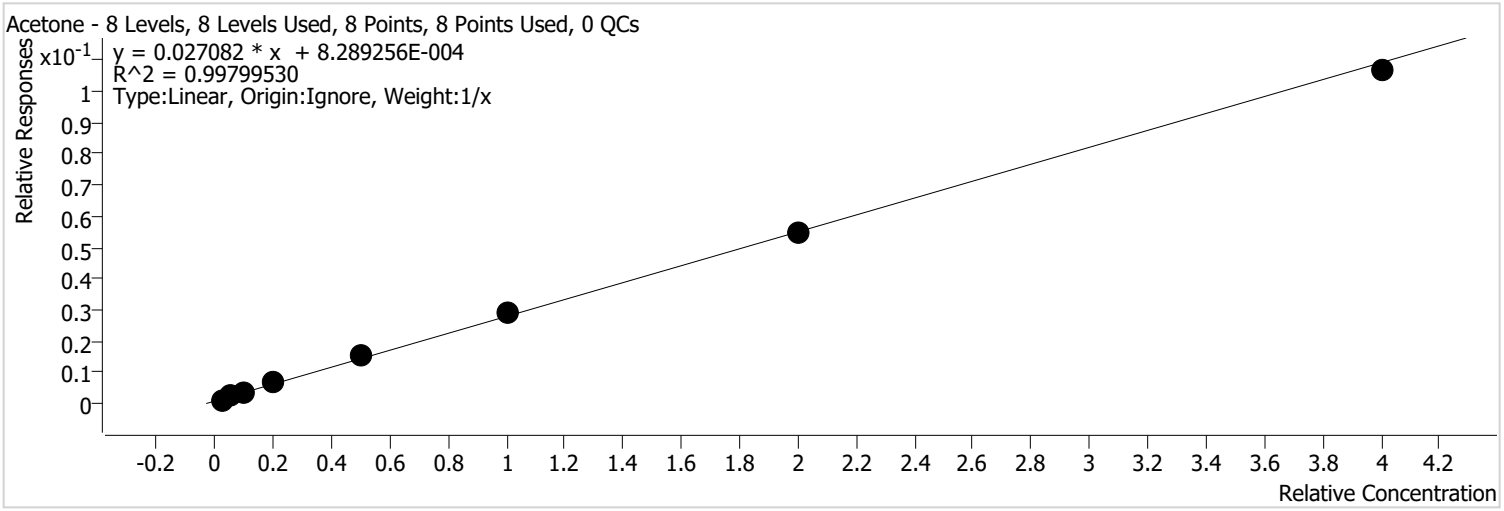
1,1-Dichloroethylene %RSE = 4.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	20866	0.2000	0.4634	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	52186	0.5000	0.4567	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	95455	1.0000	0.4073	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	205117	2.0000	0.4700	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	494783	5.0000	0.4345	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1026191	10.0000	0.4401	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	2050684	20.0000	0.4273	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	4201128	40.0000	0.4314	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

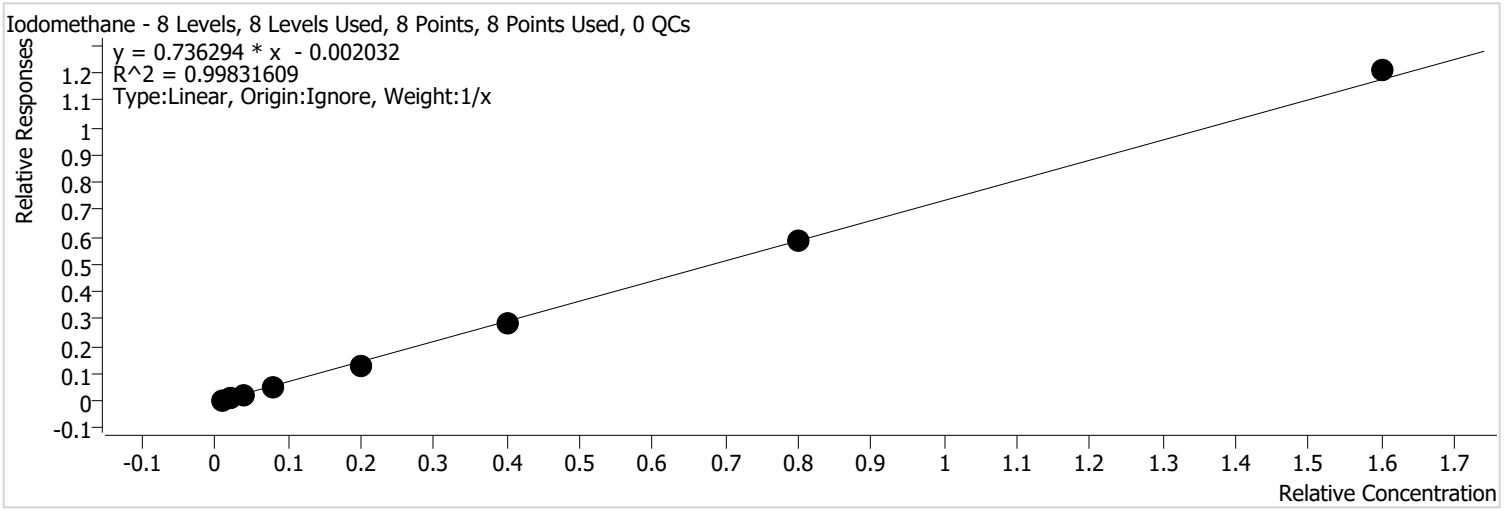
Acetone %RSE = 14.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	6750	0.5000	0.0600	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	12716	1.2500	0.0445	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	21652	2.5000	0.0370	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	37903	5.0000	0.0347	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	87879	12.5000	0.0309	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	171200	25.0000	0.0294	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	326049	50.0000	0.0272	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	648383	100.0000	0.0266	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

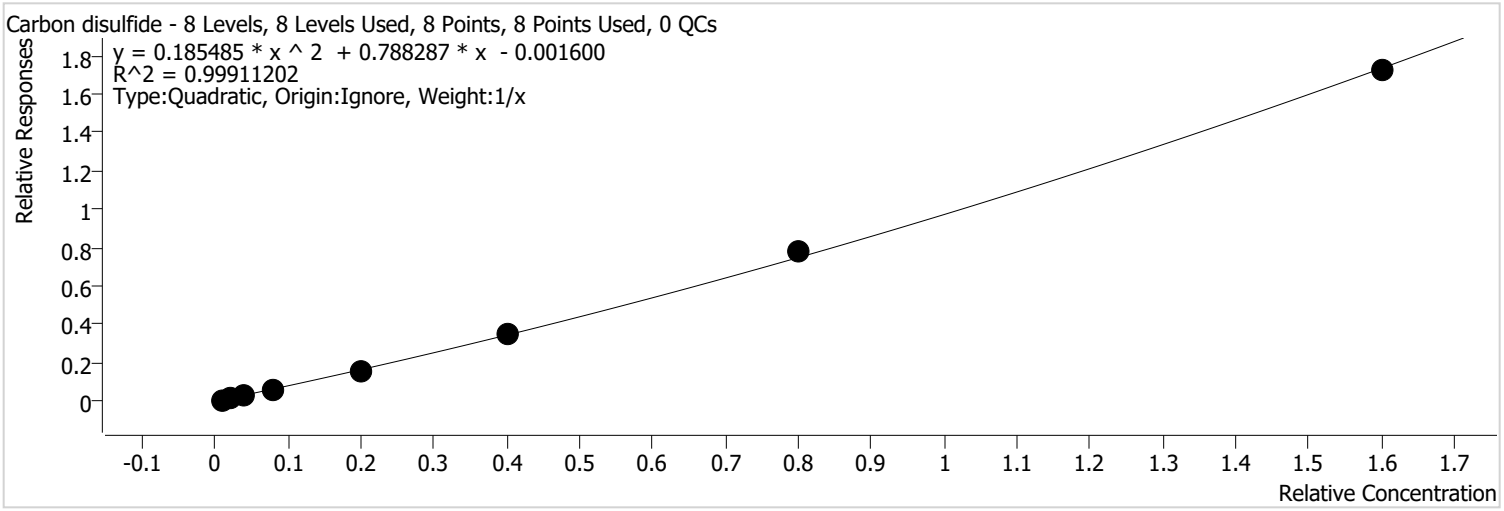
Iodomethane %RSE = 13.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	31262	0.2000	0.6943	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	72542	0.5000	0.6348	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	138997	1.0000	0.5931	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	290021	2.0000	0.6645	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	755435	5.0000	0.6634	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1643273	10.0000	0.7048	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	3499592	20.0000	0.7292	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	7354702	40.0000	0.7553	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

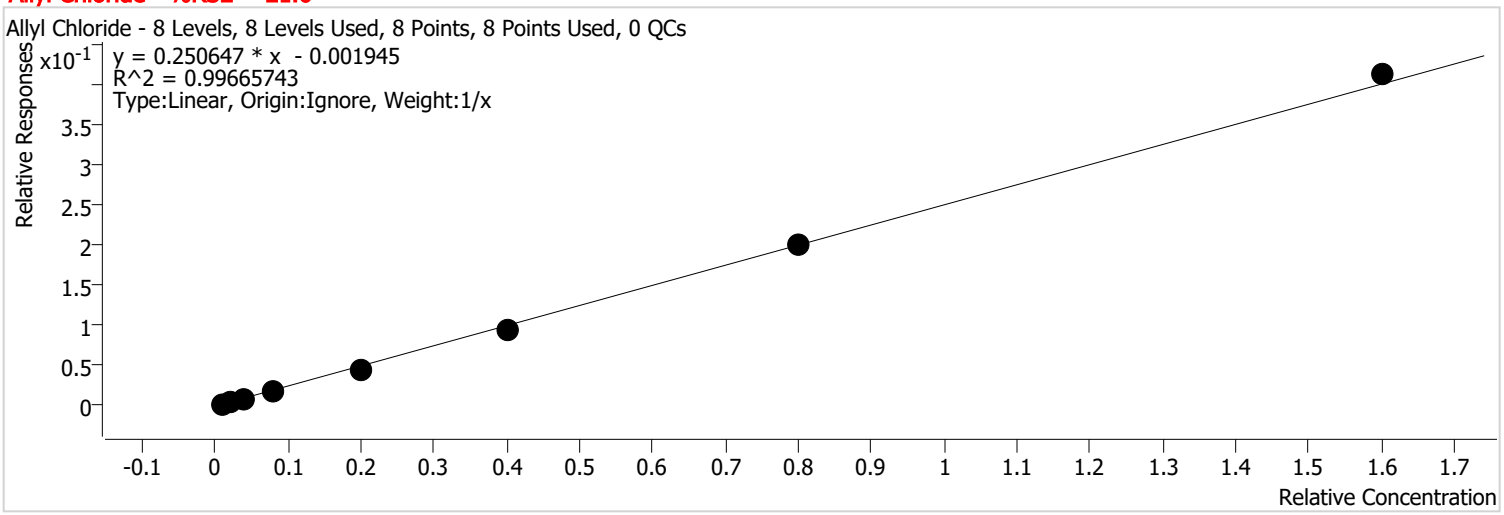
Carbon disulfide %RSE = 13.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	34715	0.2000	0.7710	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	80738	0.5000	0.7066	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	147072	1.0000	0.6276	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	331267	2.0000	0.7590	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	868251	5.0000	0.7624	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	2014931	10.0000	0.8642	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	4646300	20.0000	0.9682	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	10480601	40.0000	1.0763	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

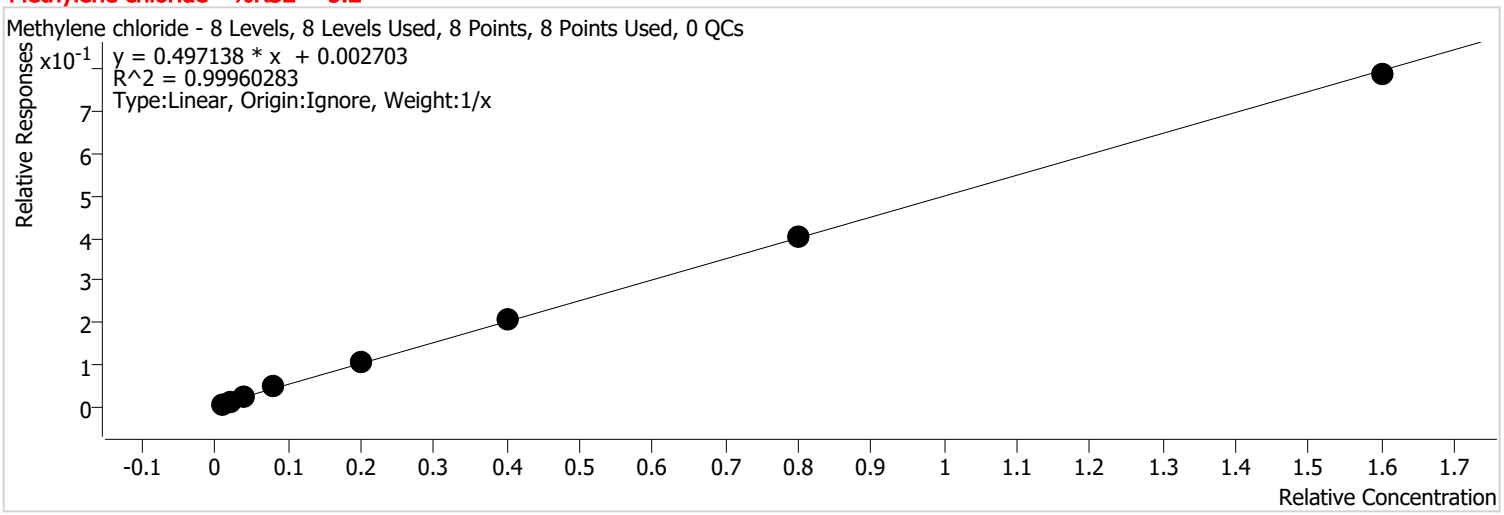
Allyl Chloride %RSE = 21.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	5345	0.2000	0.1187	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	17503	0.5000	0.1532	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	33044	1.0000	0.1410	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	91201	2.0000	0.2090	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	237900	5.0000	0.2089	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	550474	10.0000	0.2361	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	1200660	20.0000	0.2502	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	2499722	40.0000	0.2567	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

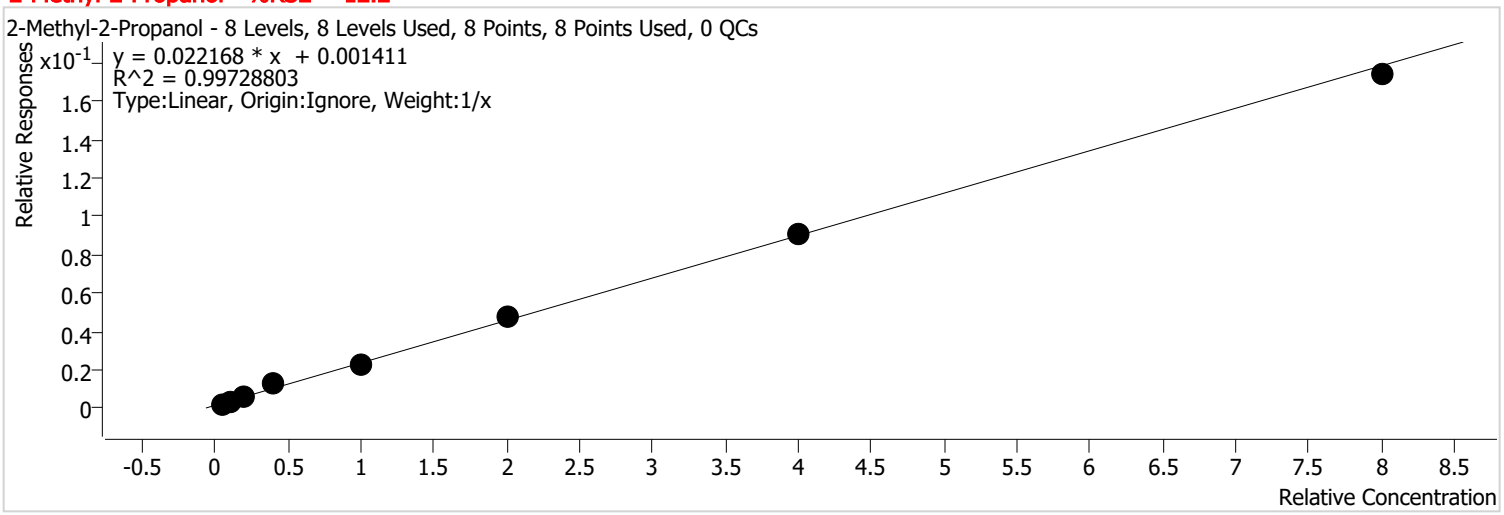
Methylene chloride %RSE = 5.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	35752	0.2000	0.7940	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	70500	0.5000	0.6170	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	131913	1.0000	0.5629	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	250589	2.0000	0.5742	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	594546	5.0000	0.5221	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1192068	10.0000	0.5113	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	2413195	20.0000	0.5029	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	4797316	40.0000	0.4927	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

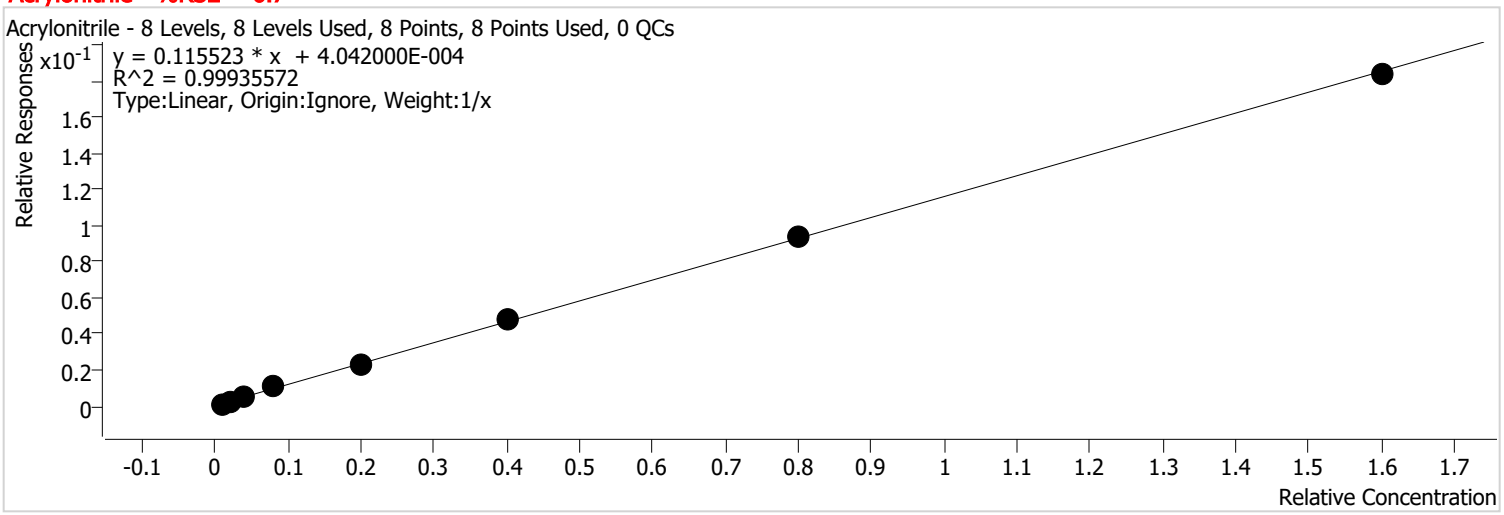
2-Methyl-2-Propanol %RSE = 12.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	12466	1.0000	0.0554	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	20007	2.5000	0.0350	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	31180	5.0000	0.0266	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	67832	10.0000	0.0311	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	132537	25.0000	0.0233	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	279903	50.0000	0.0240	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	547988	100.0000	0.0228	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	1059490	200.0000	0.0218	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

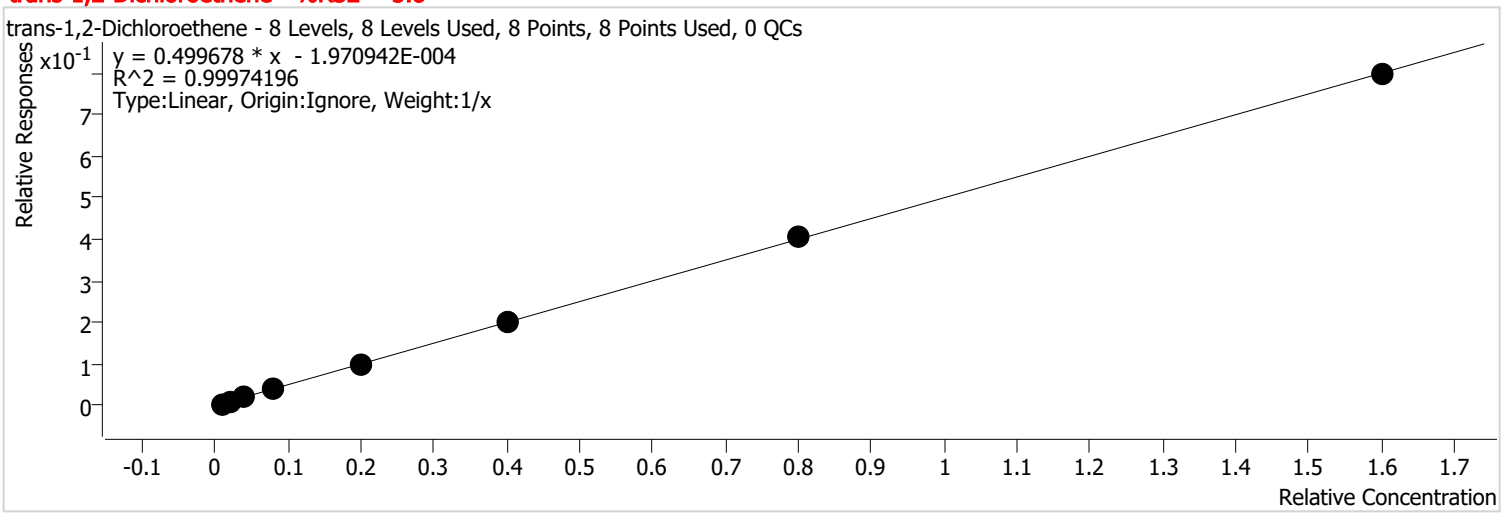
Acrylonitrile %RSE = 6.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	6951	0.2000	0.1544	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	15633	0.5000	0.1368	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	28784	1.0000	0.1228	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	58803	2.0000	0.1347	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	130604	5.0000	0.1147	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	278222	10.0000	0.1193	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	559117	20.0000	0.1165	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	1115920	40.0000	0.1146	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

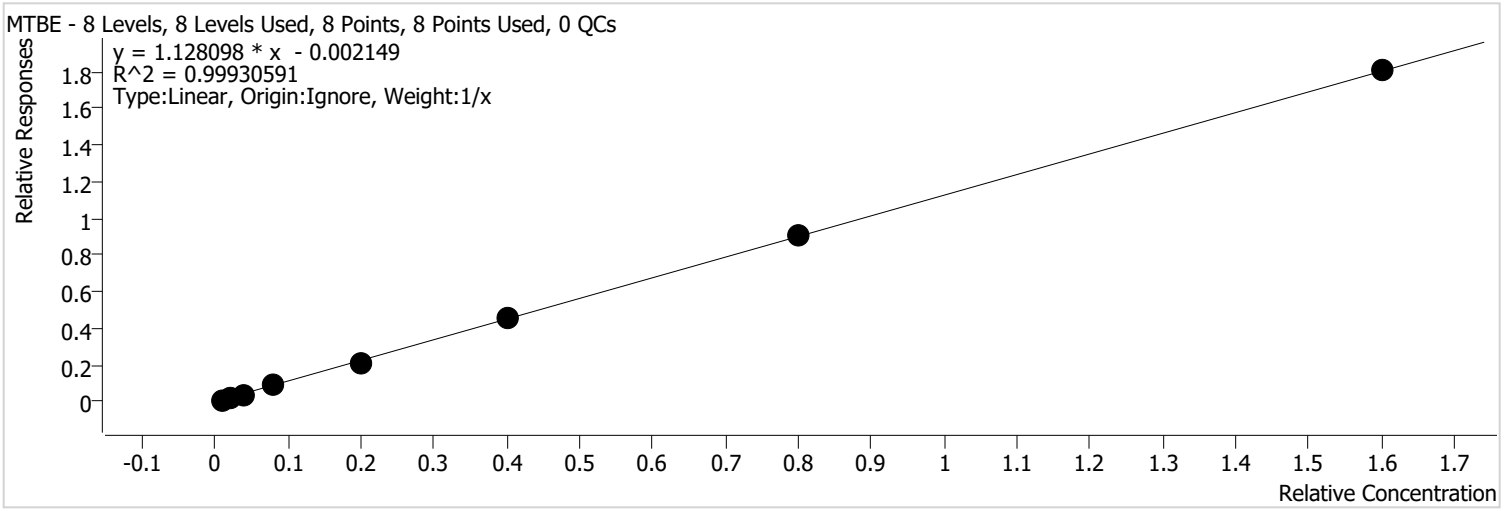
trans-1,2-Dichloroethene %RSE = 3.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	21784	0.2000	0.4838	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	55665	0.5000	0.4871	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	108998	1.0000	0.4651	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	230496	2.0000	0.5281	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	552023	5.0000	0.4848	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1174827	10.0000	0.5039	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	2417545	20.0000	0.5038	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	4840926	40.0000	0.4971	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

MTBE %RSE = 8.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	45647	0.2000	1.0138	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	117760	0.5000	1.0306	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	216431	1.0000	0.9235	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	496885	2.0000	1.1385	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	1186115	5.0000	1.0416	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	2646254	10.0000	1.1349	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	5454567	20.0000	1.1366	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	10989551	40.0000	1.1286	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
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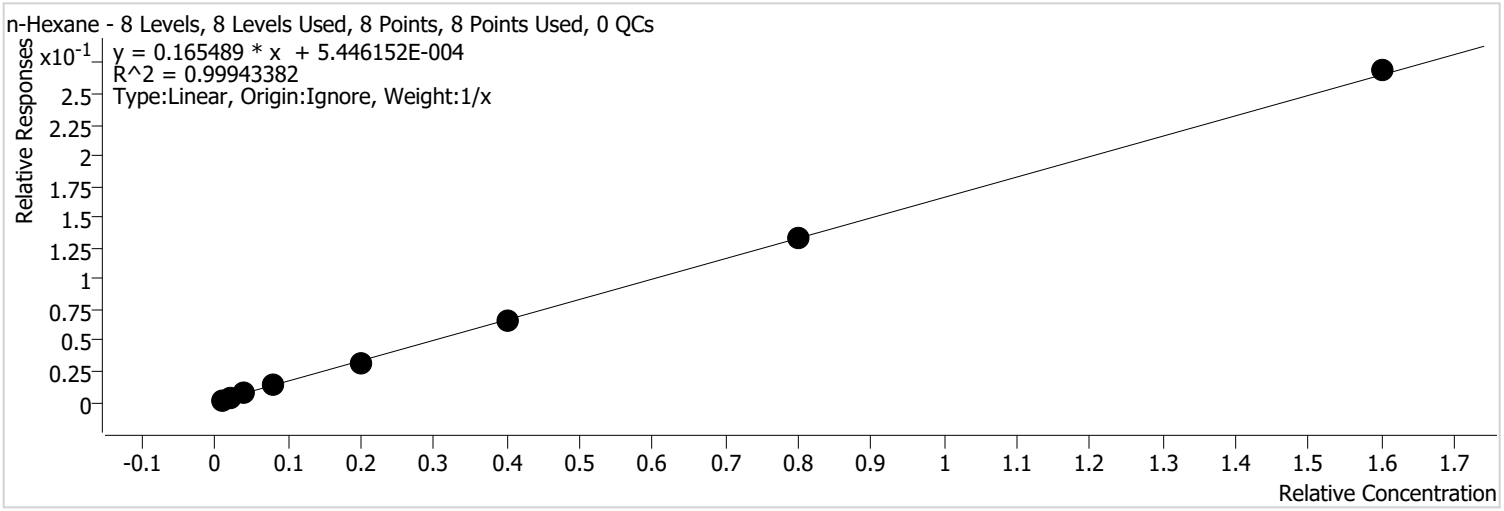
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

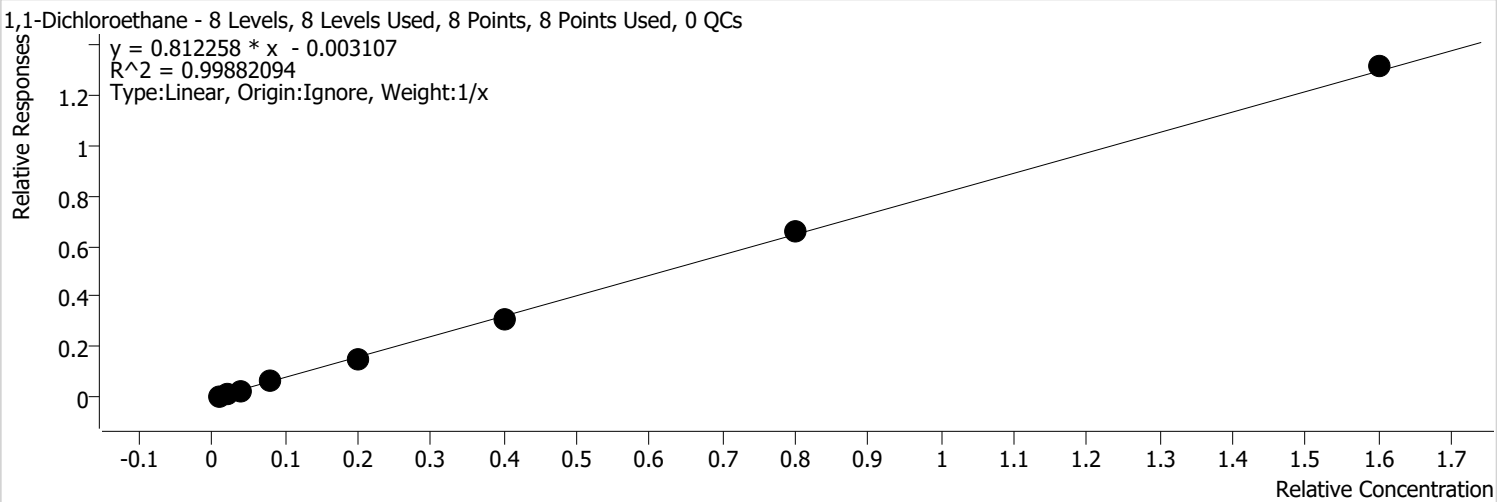
n-Hexane %RSE = 4.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	10930	0.2000	0.2427	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	22377	0.5000	0.1958	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	41128	1.0000	0.1755	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	77260	2.0000	0.1770	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	178028	5.0000	0.1563	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	380267	10.0000	0.1631	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	798015	20.0000	0.1663	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	1635542	40.0000	0.1680	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

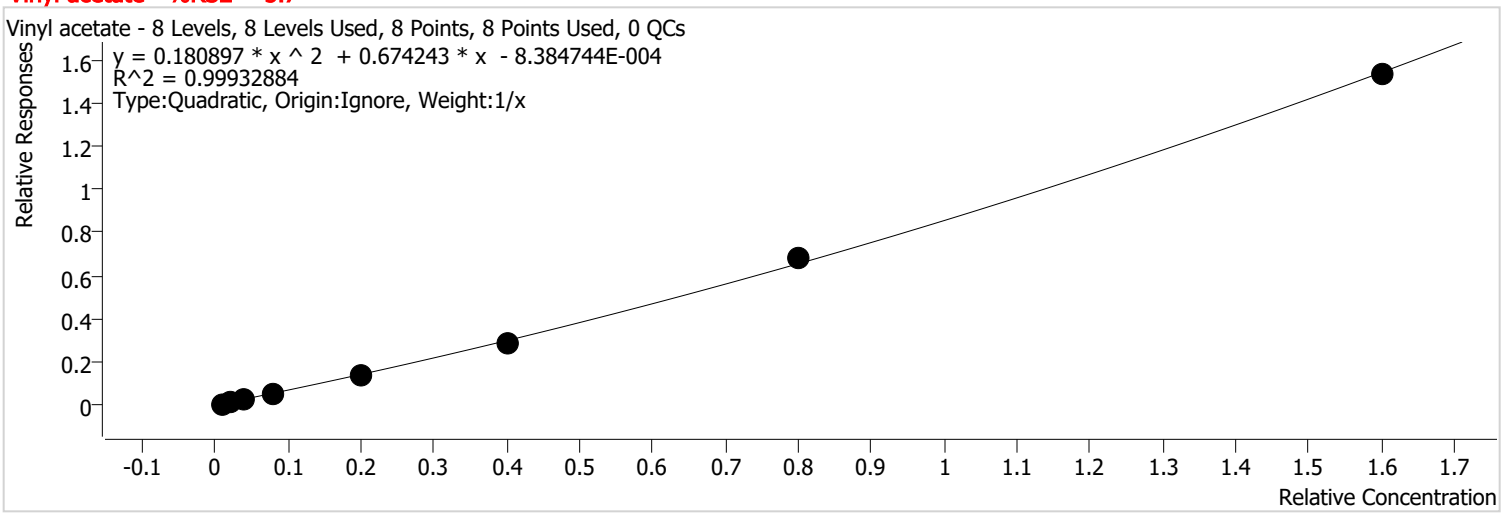
1,1-Dichloroethane %RSE = 11.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	27731	0.2000	0.6159	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	73519	0.5000	0.6434	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	148192	1.0000	0.6323	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	334743	2.0000	0.7670	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	834396	5.0000	0.7327	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1806128	10.0000	0.7746	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	3941339	20.0000	0.8213	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	7998445	40.0000	0.8214	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Vinyl acetate %RSE = 5.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	28163	0.2000	0.6255	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	75591	0.5000	0.6615	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	145087	1.0000	0.6191	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	291502	2.0000	0.6679	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	762302	5.0000	0.6694	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1692109	10.0000	0.7257	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	4087614	20.0000	0.8518	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	9313694	40.0000	0.9565	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
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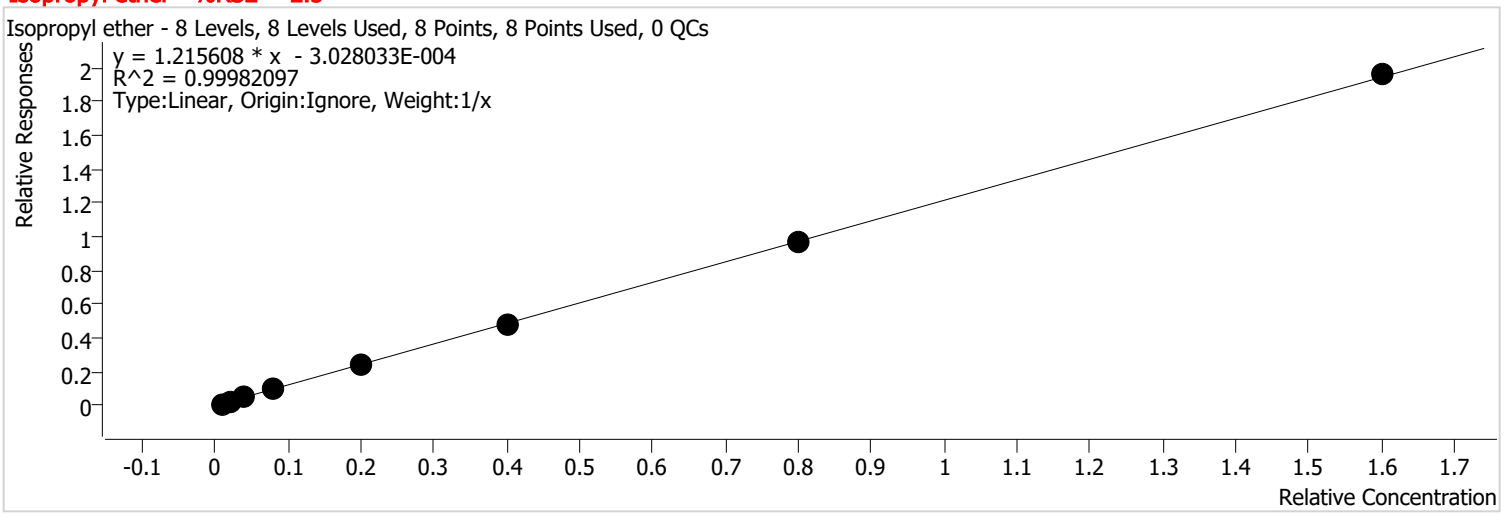
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

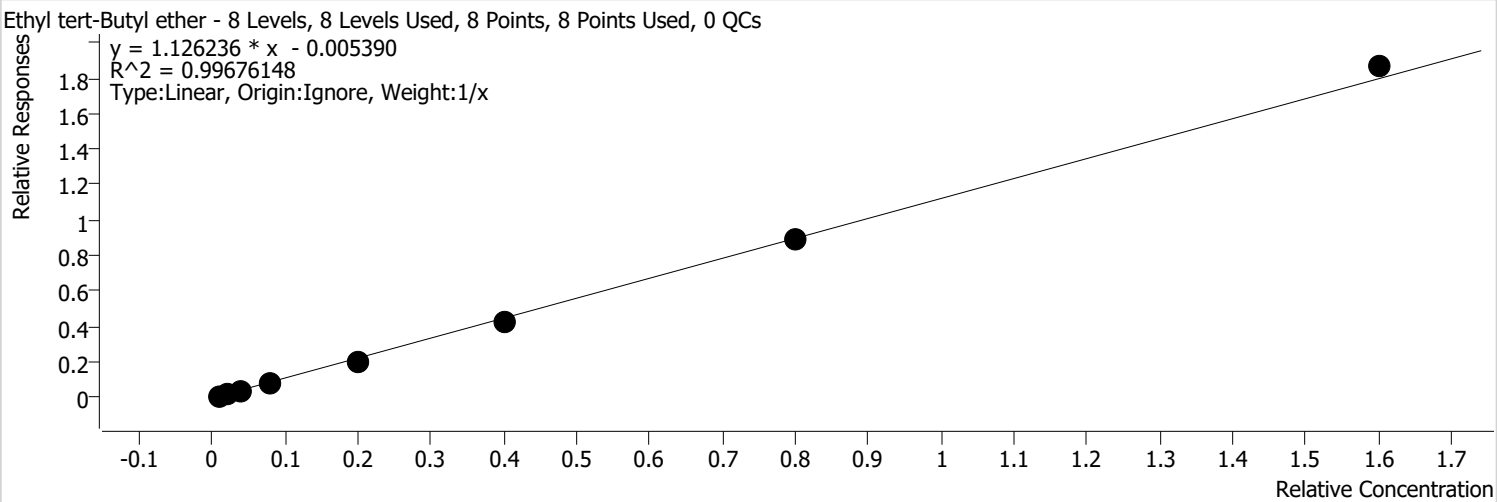
Isopropyl ether %RSE = 2.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	54447	0.2000	1.2092	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	139121	0.5000	1.2175	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	275680	1.0000	1.1763	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	543667	2.0000	1.2457	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	1340718	5.0000	1.1773	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	2780479	10.0000	1.1925	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	5827627	20.0000	1.2144	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	11926109	40.0000	1.2248	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

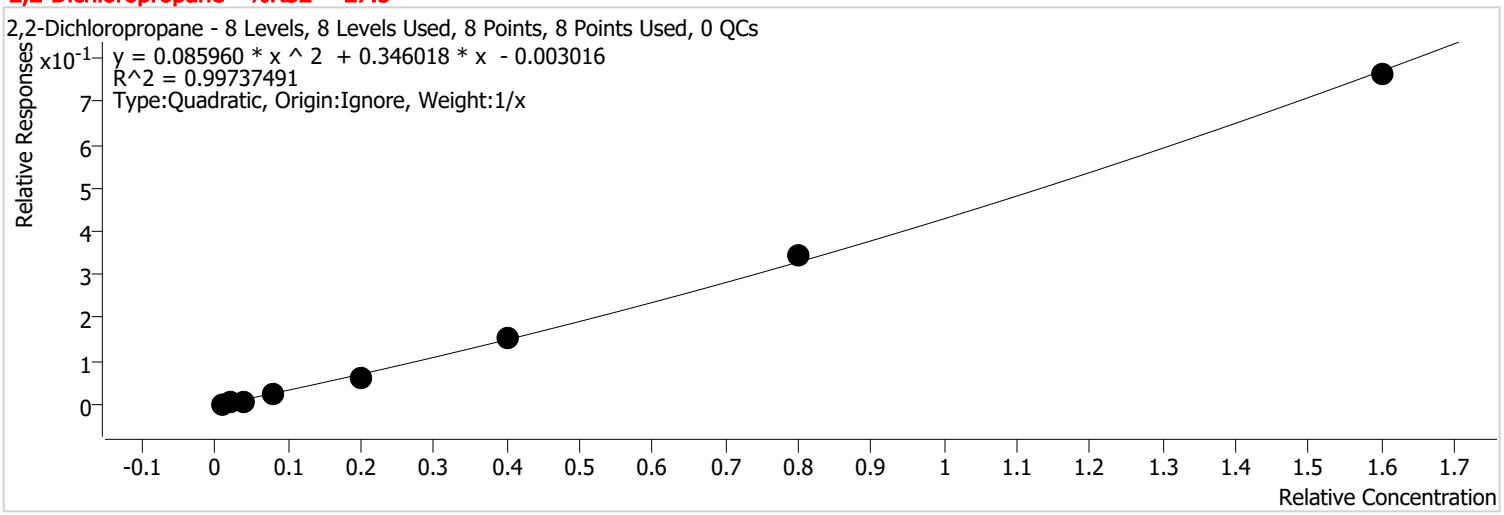
Ethyl tert-Butyl ether %RSE = 17.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	38806	0.2000	0.8618	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	99759	0.5000	0.8730	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	186404	1.0000	0.7954	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	435792	2.0000	0.9985	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	1093755	5.0000	0.9605	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	2435702	10.0000	1.0446	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	5349657	20.0000	1.1148	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	11346943	40.0000	1.1653	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

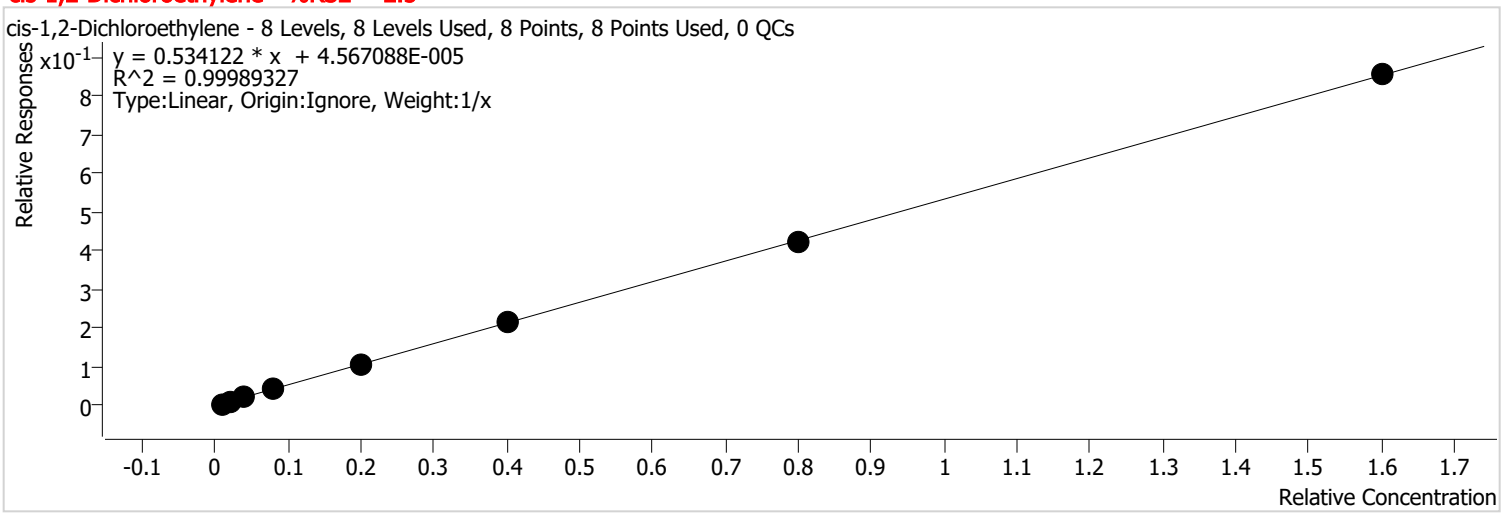
2,2-Dichloropropane %RSE = 27.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	6603	0.2000	0.1467	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	19092	0.5000	0.1671	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	38919	1.0000	0.1661	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	123677	2.0000	0.2834	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	357933	5.0000	0.3143	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	893265	10.0000	0.3831	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	2076294	20.0000	0.4327	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	4637871	40.0000	0.4763	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

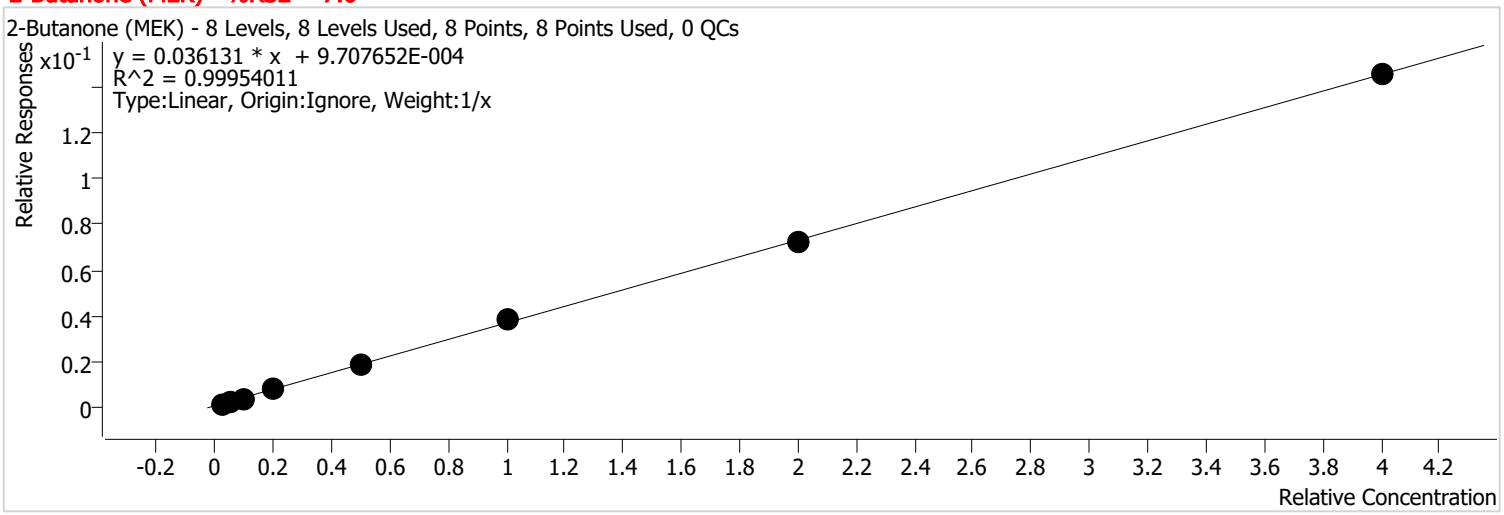
cis-1,2-Dichloroethylene %RSE = 2.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	24840	0.2000	0.5517	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	61278	0.5000	0.5363	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	120767	1.0000	0.5153	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	241717	2.0000	0.5538	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	593273	5.0000	0.5210	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1251320	10.0000	0.5367	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	2558696	20.0000	0.5332	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	5211468	40.0000	0.5352	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

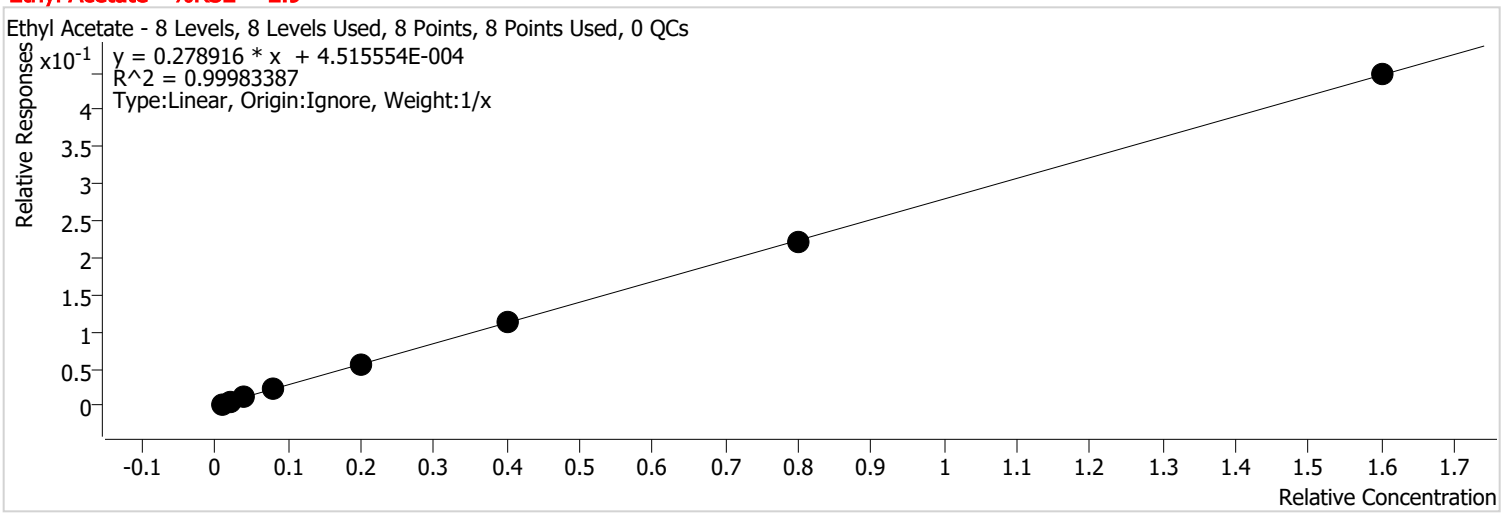
2-Butanone (MEK) %RSE = 7.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	10037	0.5000	0.0892	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	15793	1.2500	0.0553	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	24027	2.5000	0.0410	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	43963	5.0000	0.0403	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	110208	12.5000	0.0387	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	222186	25.0000	0.0381	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	435307	50.0000	0.0363	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	884715	100.0000	0.0363	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

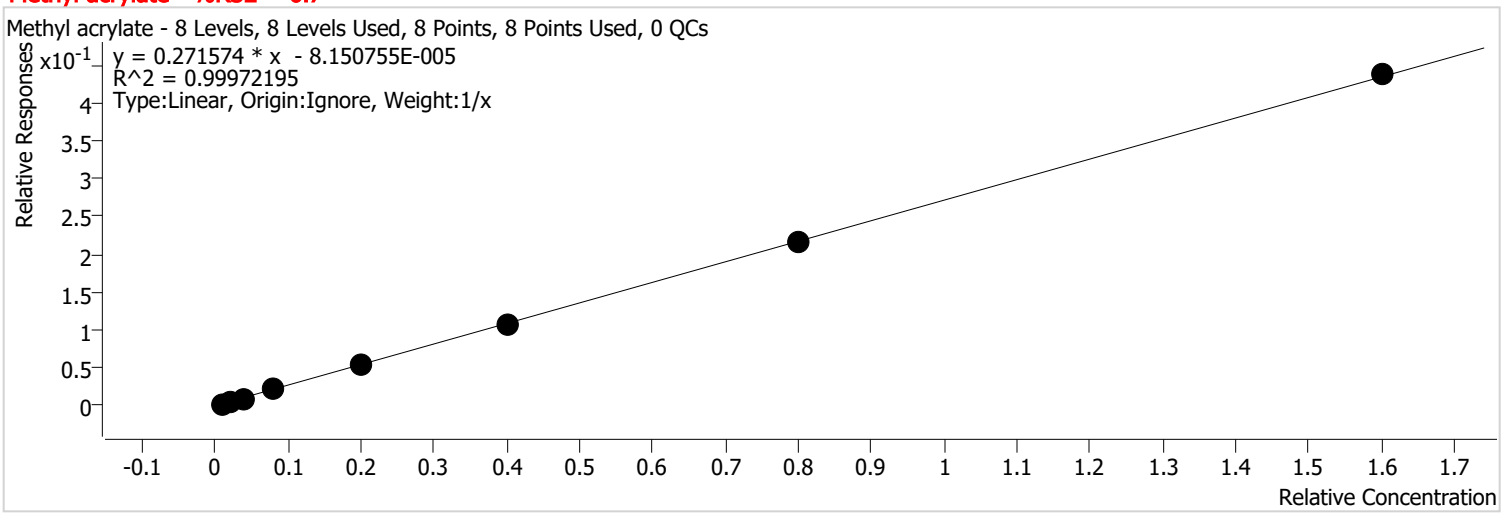
Ethyl Acetate %RSE = 2.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	15493	0.2000	0.3441	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	34754	0.5000	0.3041	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	64828	1.0000	0.2766	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	126362	2.0000	0.2895	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	311932	5.0000	0.2739	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	666722	10.0000	0.2859	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	1333107	20.0000	0.2778	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	2721502	40.0000	0.2795	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

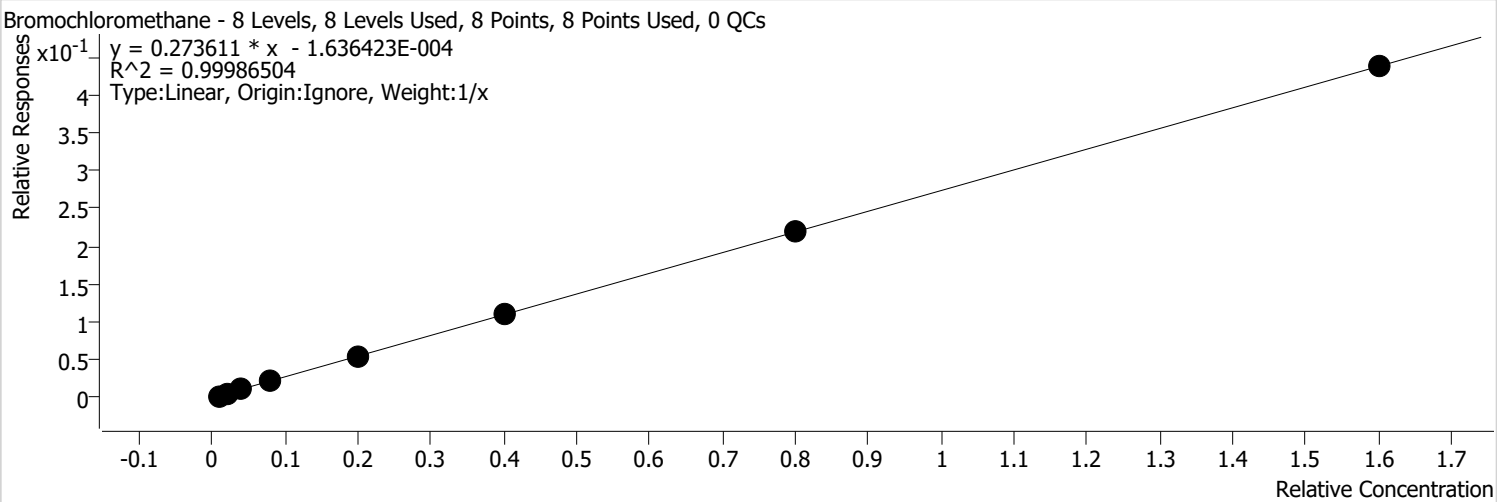
Methyl acrylate %RSE = 6.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	13285	0.2000	0.2950	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	30014	0.5000	0.2627	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	56839	1.0000	0.2425	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	120646	2.0000	0.2764	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	300532	5.0000	0.2639	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	627935	10.0000	0.2693	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	1302190	20.0000	0.2713	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	2661058	40.0000	0.2733	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

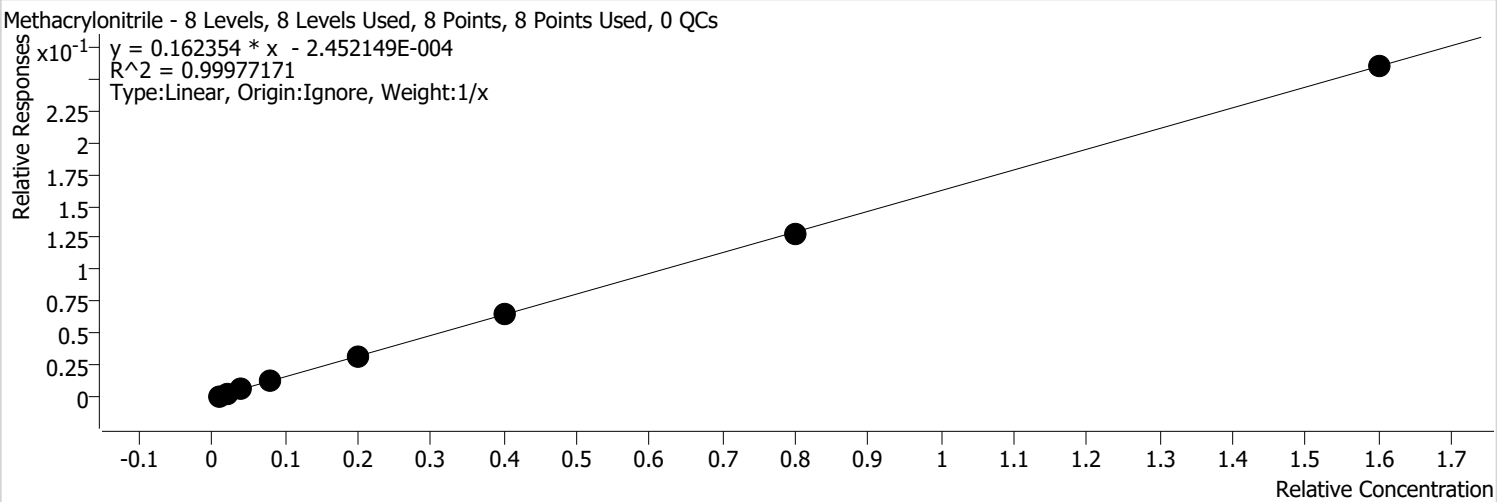
Bromochloromethane %RSE = 3.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	11850	0.2000	0.2632	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	30927	0.5000	0.2707	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	58445	1.0000	0.2494	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	121693	2.0000	0.2788	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	305047	5.0000	0.2679	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	641533	10.0000	0.2751	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	1316328	20.0000	0.2743	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	2660449	40.0000	0.2732	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

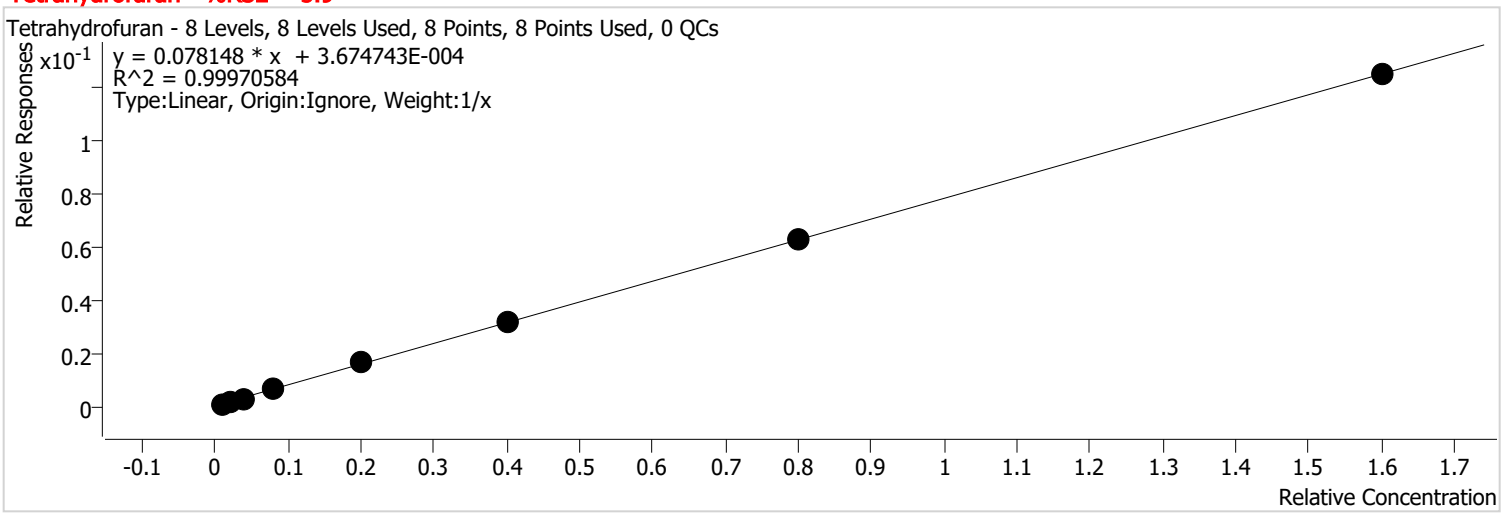
Methacrylonitrile %RSE = 4.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	6312	0.2000	0.1402	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	16955	0.5000	0.1484	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	33216	1.0000	0.1417	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	72455	2.0000	0.1660	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	182466	5.0000	0.1602	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	384159	10.0000	0.1648	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	773112	20.0000	0.1611	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	1577833	40.0000	0.1620	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

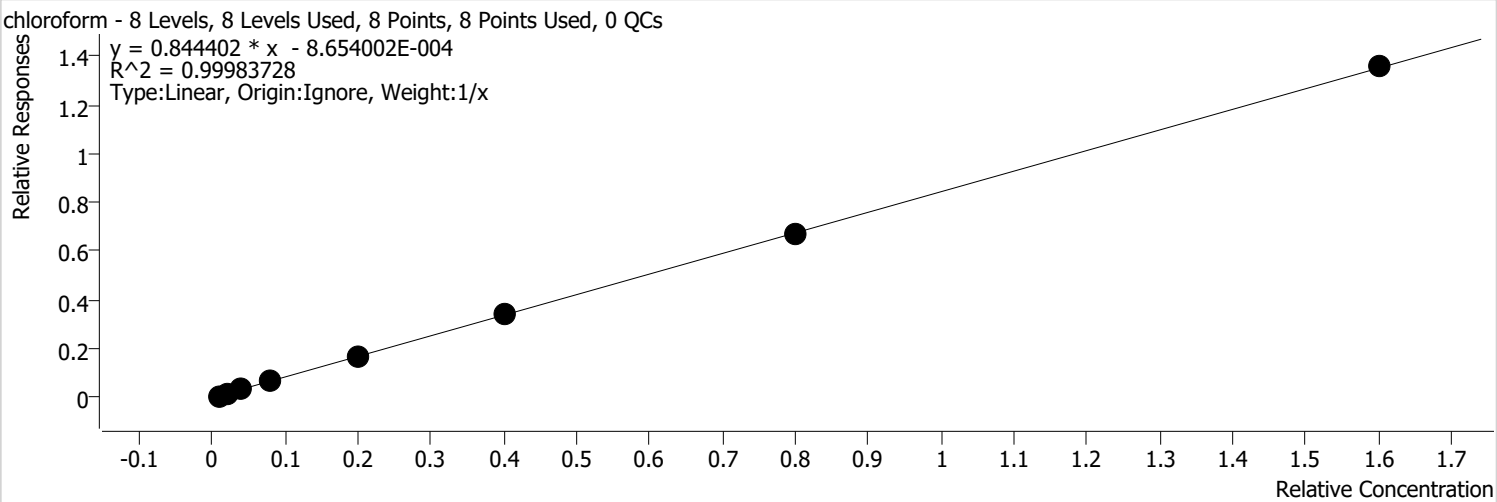
Tetrahydrofuran %RSE = 5.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	5834	0.2000	0.1296	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	11072	0.5000	0.0969	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	18234	1.0000	0.0778	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	36714	2.0000	0.0841	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	93620	5.0000	0.0822	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	185242	10.0000	0.0794	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	376582	20.0000	0.0785	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	761567	40.0000	0.0782	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

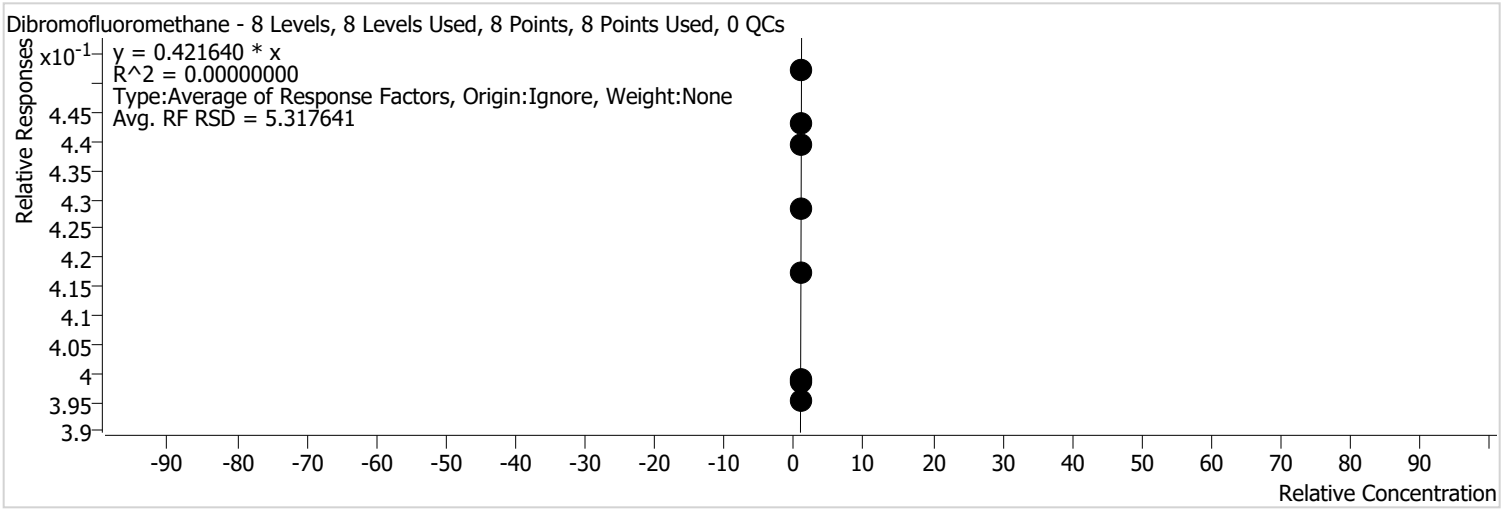
chloroform %RSE = 4.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	36258	0.2000	0.8052	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	91241	0.5000	0.7985	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	178570	1.0000	0.7620	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	369926	2.0000	0.8476	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	930254	5.0000	0.8169	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1965847	10.0000	0.8431	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	4042513	20.0000	0.8424	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	8252667	40.0000	0.8475	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

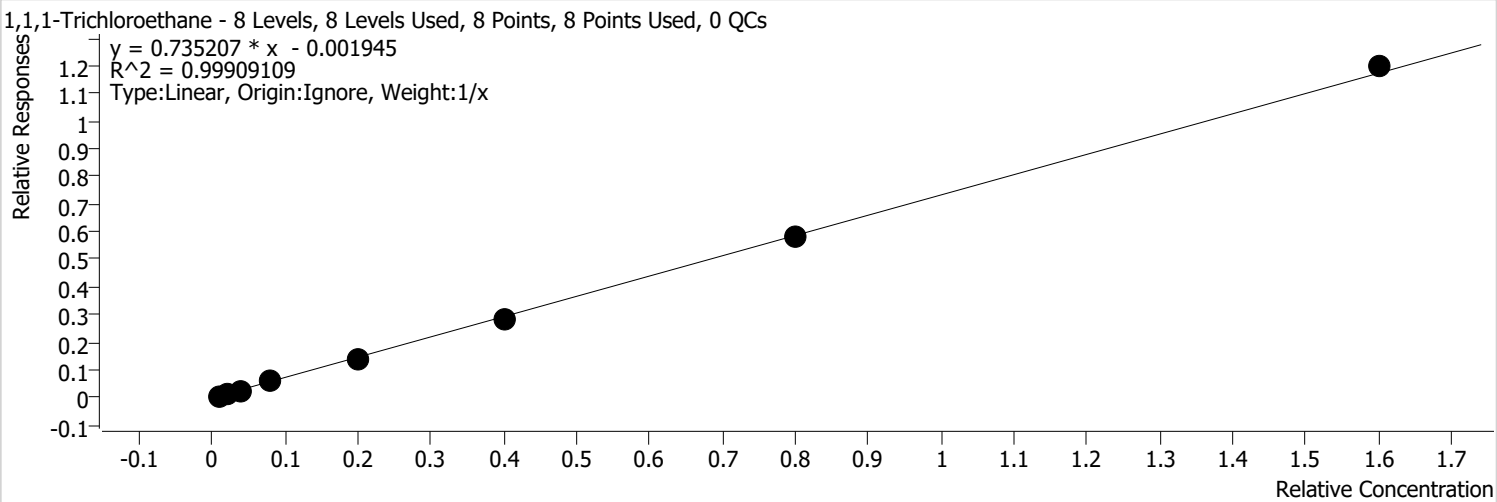
Dibromofluoromethane %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	2752273	25.0000	0.4522	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	2657245	25.0000	0.4430	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	2561901	25.0000	0.4395	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	2439116	25.0000	0.4284	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	2276670	25.0000	0.4173	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	2336934	25.0000	0.3989	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	2276195	25.0000	0.3984	
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	2225750	25.0000	0.3954	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

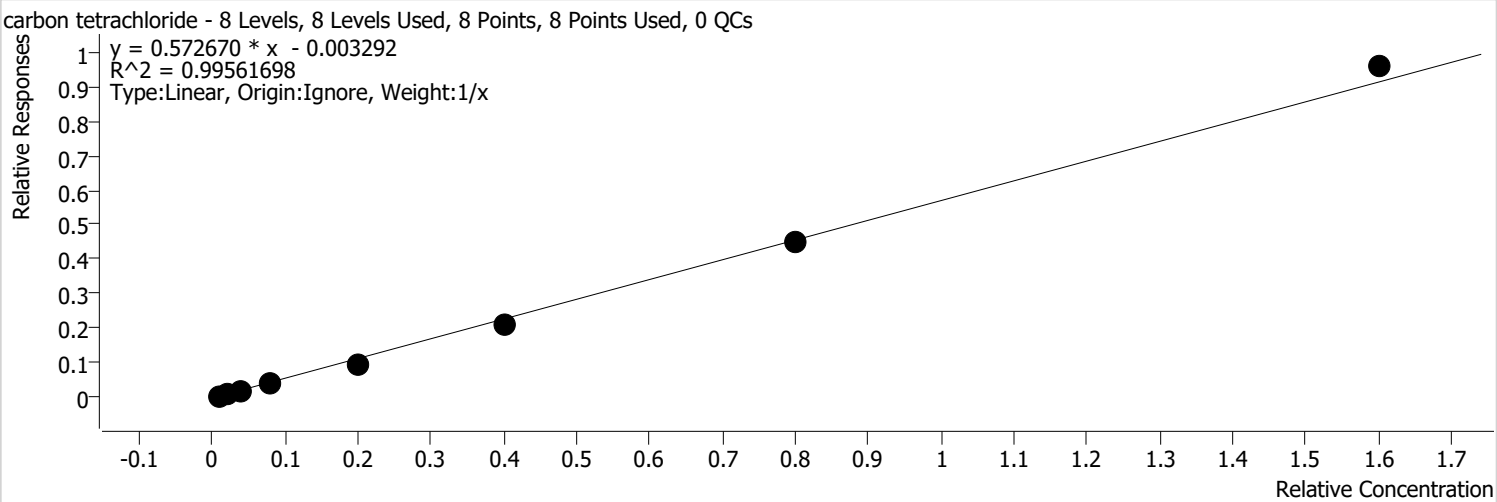
1,1,1-Trichloroethane %RSE = 9.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	28566	0.2000	0.6344	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	73673	0.5000	0.6447	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	143278	1.0000	0.6114	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	303208	2.0000	0.6947	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	770055	5.0000	0.6762	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1657070	10.0000	0.7107	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	3499828	20.0000	0.7293	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	7290404	40.0000	0.7487	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

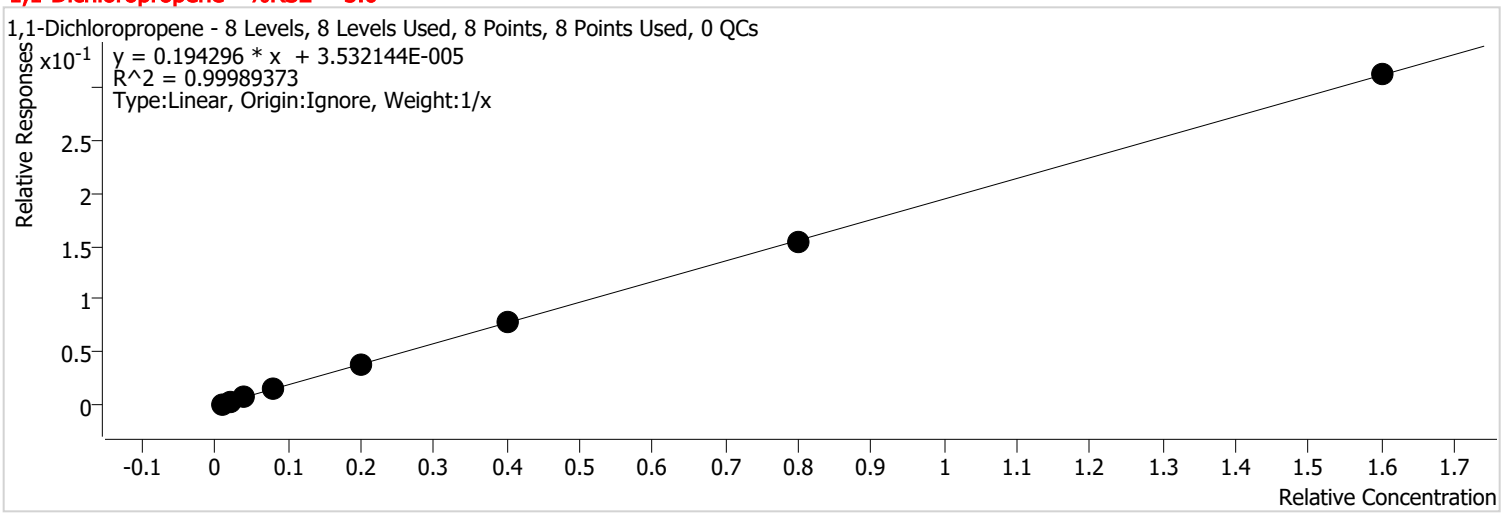
carbon tetrachloride %RSE = 19.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	17592	0.2000	0.3907	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	47706	0.5000	0.4175	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	96623	1.0000	0.4123	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	204809	2.0000	0.4693	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	544538	5.0000	0.4782	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1223230	10.0000	0.5246	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	2686962	20.0000	0.5599	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	5827304	40.0000	0.5984	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

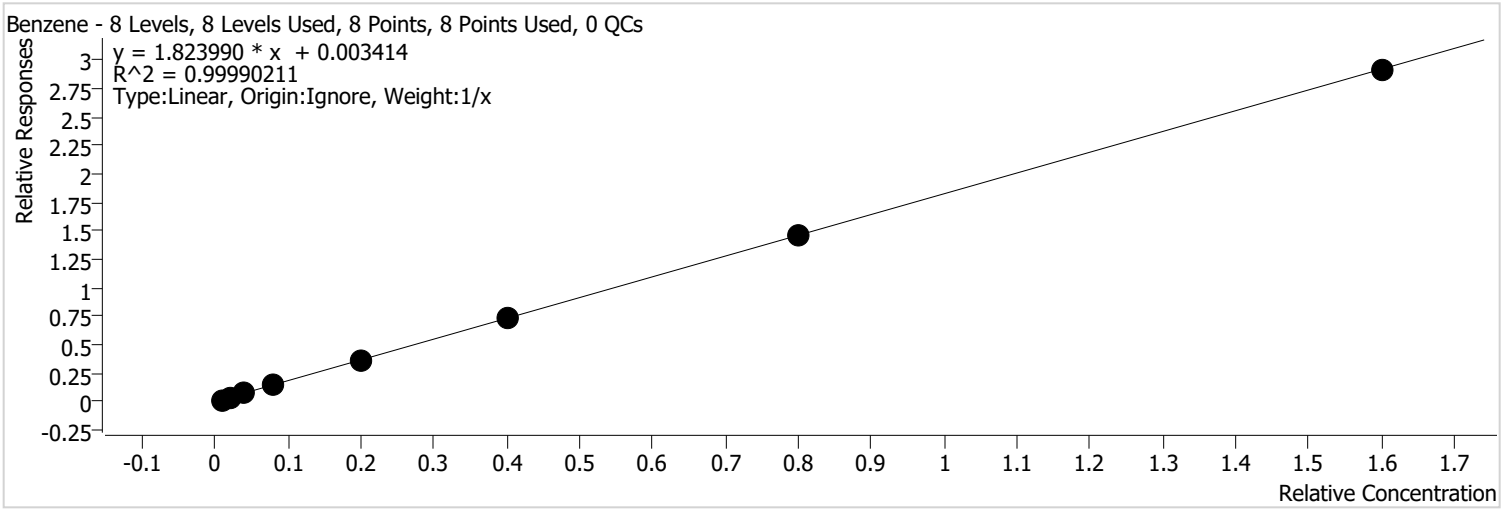
1,1-Dichloropropene %RSE = 3.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	9258	0.2000	0.2056	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	23038	0.5000	0.2016	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	43453	1.0000	0.1854	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	84410	2.0000	0.1934	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	217066	5.0000	0.1906	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	459799	10.0000	0.1972	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	929898	20.0000	0.1938	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	1894792	40.0000	0.1946	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

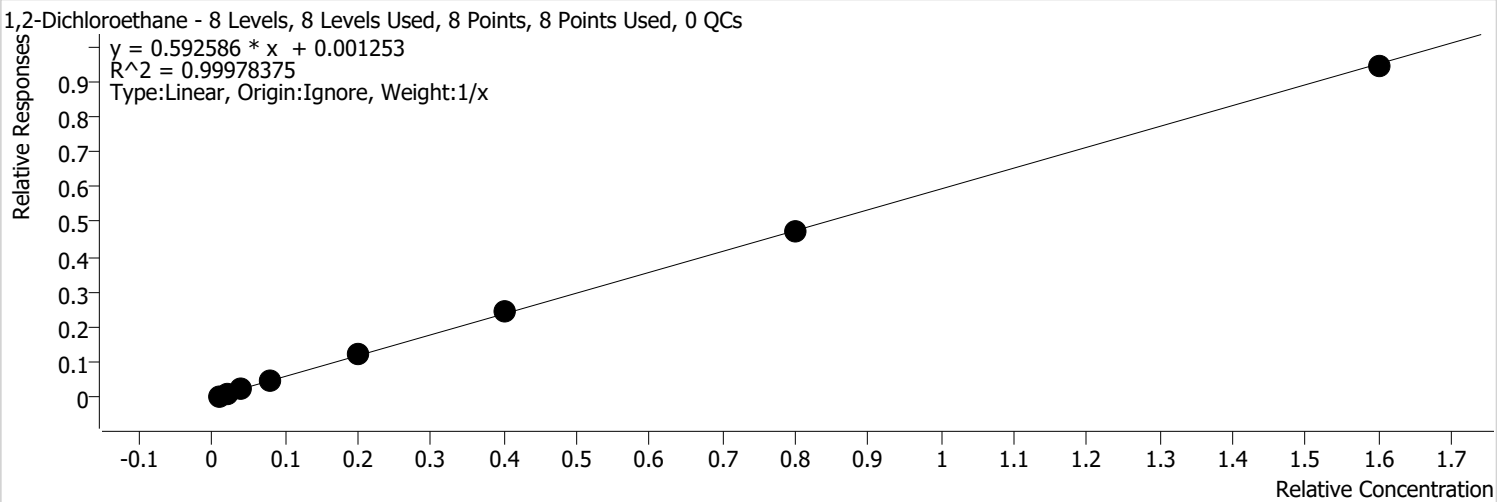
Benzene %RSE = 2.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	99231	0.2000	2.2038	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	226457	0.5000	1.9818	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	438688	1.0000	1.8719	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	853134	2.0000	1.9548	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	2094625	5.0000	1.8394	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	4309537	10.0000	1.8483	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	8792202	20.0000	1.8321	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	17696782	40.0000	1.8174	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

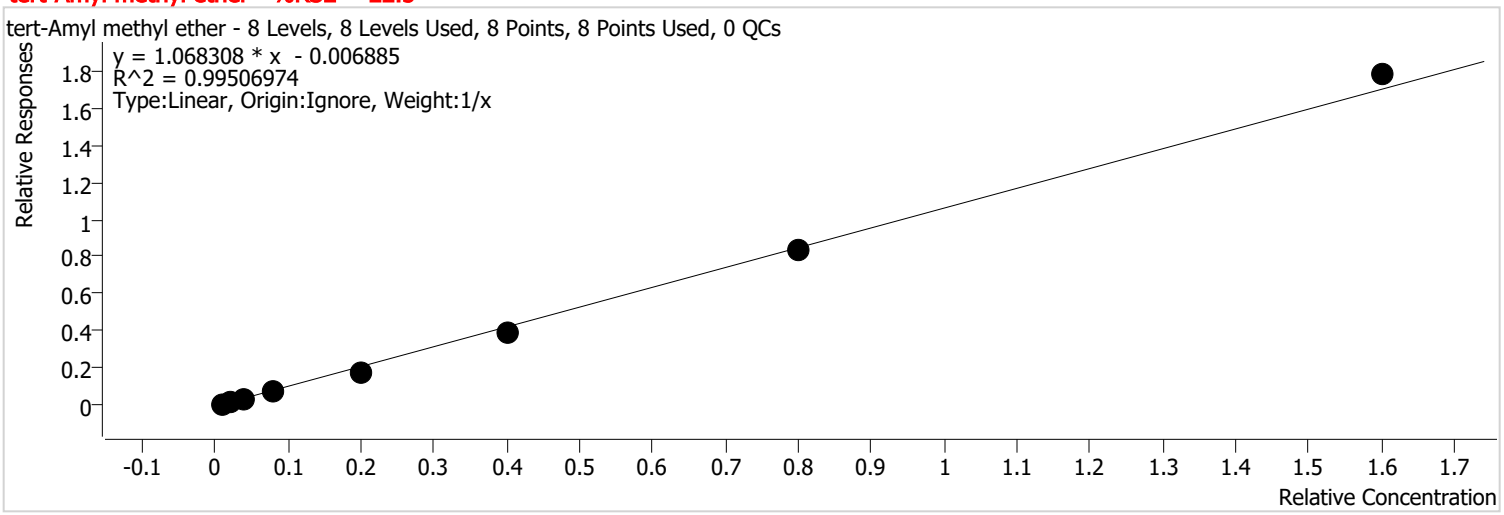
1,2-Dichloroethane %RSE = 4.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	31639	0.2000	0.7027	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	75604	0.5000	0.6616	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	144486	1.0000	0.6165	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	279956	2.0000	0.6415	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	691044	5.0000	0.6068	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1416234	10.0000	0.6074	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	2849760	20.0000	0.5938	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	5728419	40.0000	0.5883	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

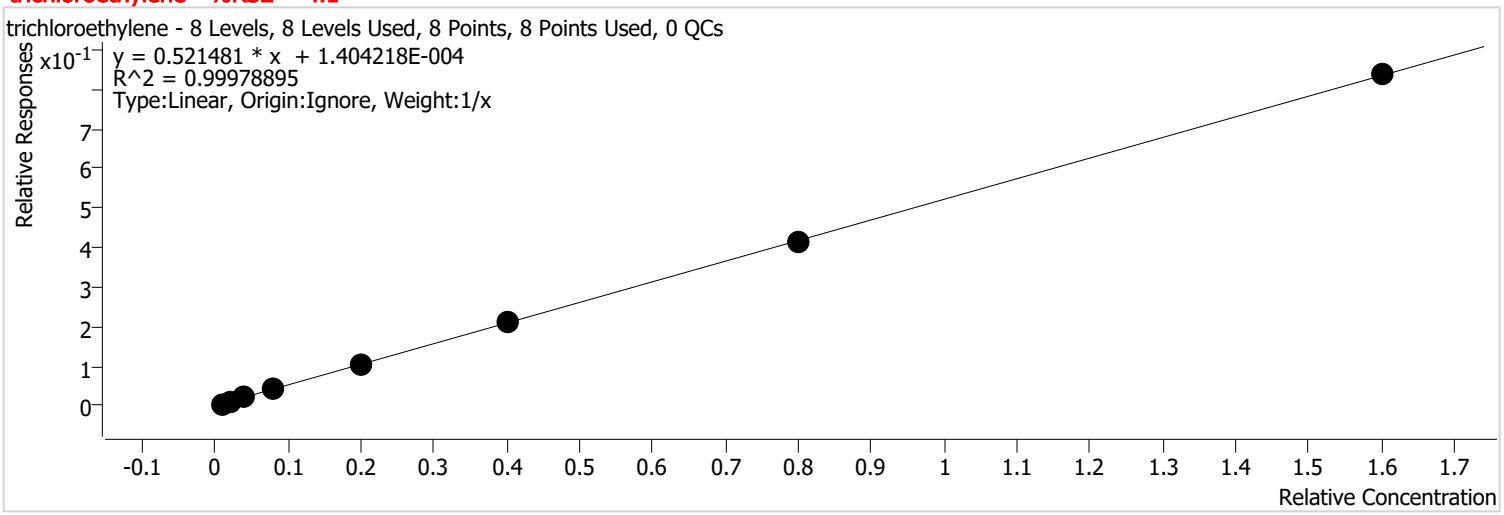
tert-Amyl methyl ether %RSE = 22.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	31677	0.2000	0.7035	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	85141	0.5000	0.7451	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	154191	1.0000	0.6579	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	391606	2.0000	0.8973	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	986739	5.0000	0.8665	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	2293080	10.0000	0.9835	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	5048522	20.0000	1.0520	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	10839222	40.0000	1.1132	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

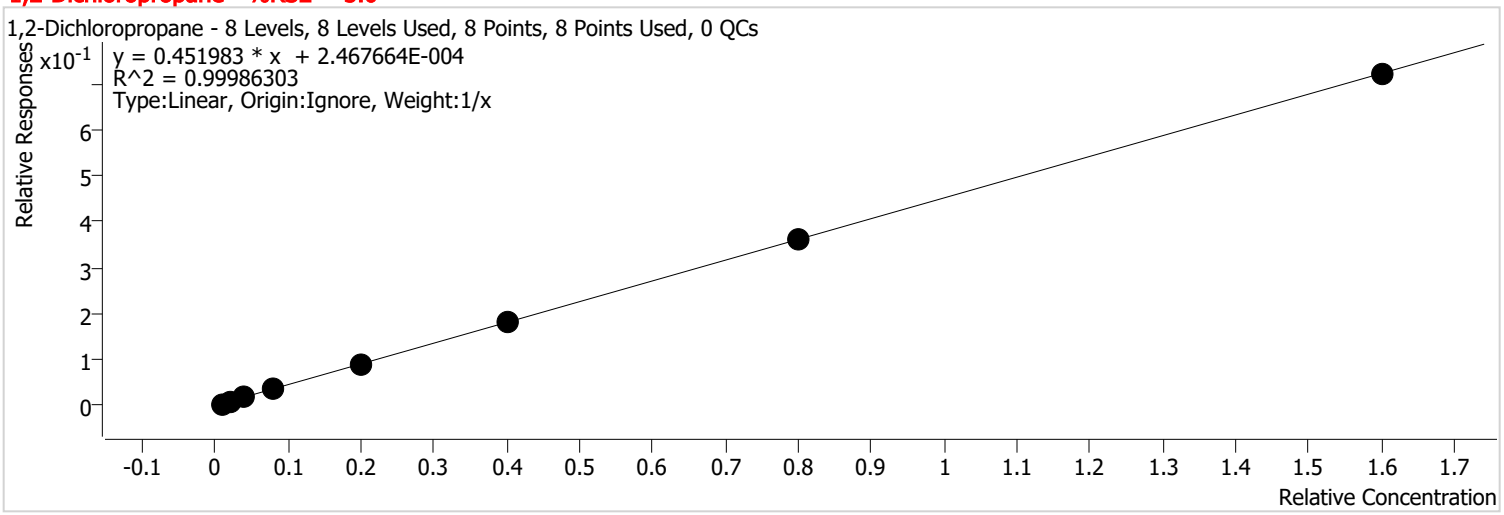
trichloroethylene %RSE = 4.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	25460	0.2000	0.5654	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	57803	0.5000	0.5059	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	118114	1.0000	0.5040	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	241338	2.0000	0.5530	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	577218	5.0000	0.5069	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1225687	10.0000	0.5257	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	2492133	20.0000	0.5193	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	5091549	40.0000	0.5229	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,2-Dichloropropane %RSE = 3.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	21280	0.2000	0.4726	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	52390	0.5000	0.4585	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	104157	1.0000	0.4444	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	210951	2.0000	0.4833	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	517822	5.0000	0.4547	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1057224	10.0000	0.4534	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	2175390	20.0000	0.4533	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	4384661	40.0000	0.4503	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
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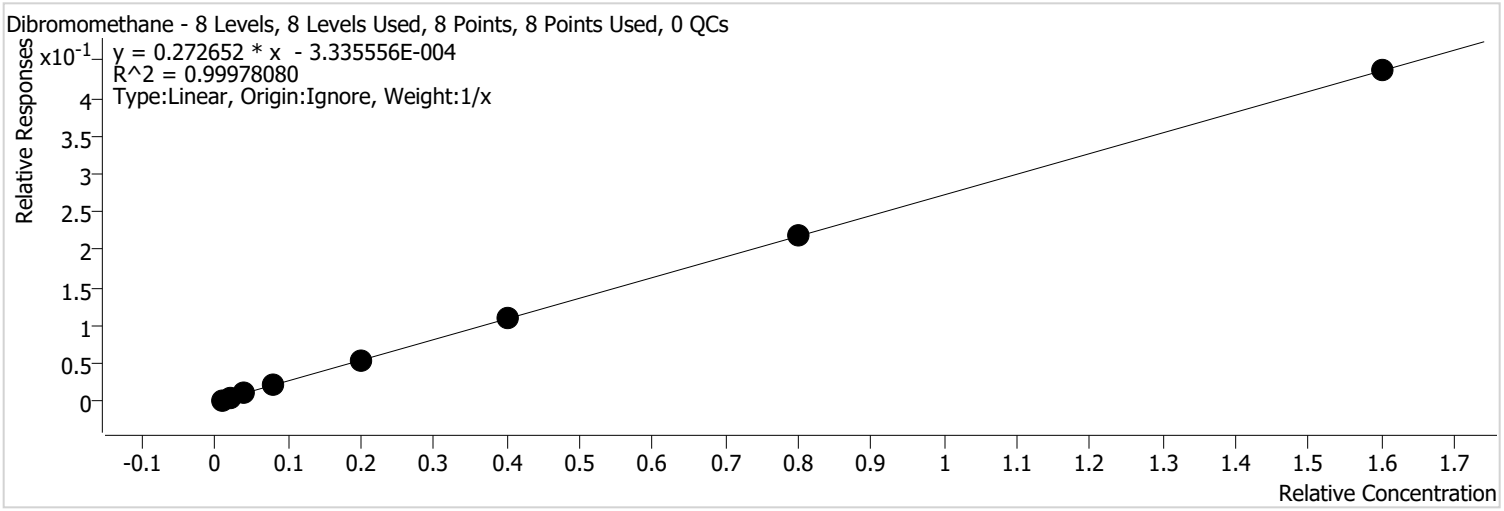
Quant Batch Version	10.0	**Quant Report Version**	10.0

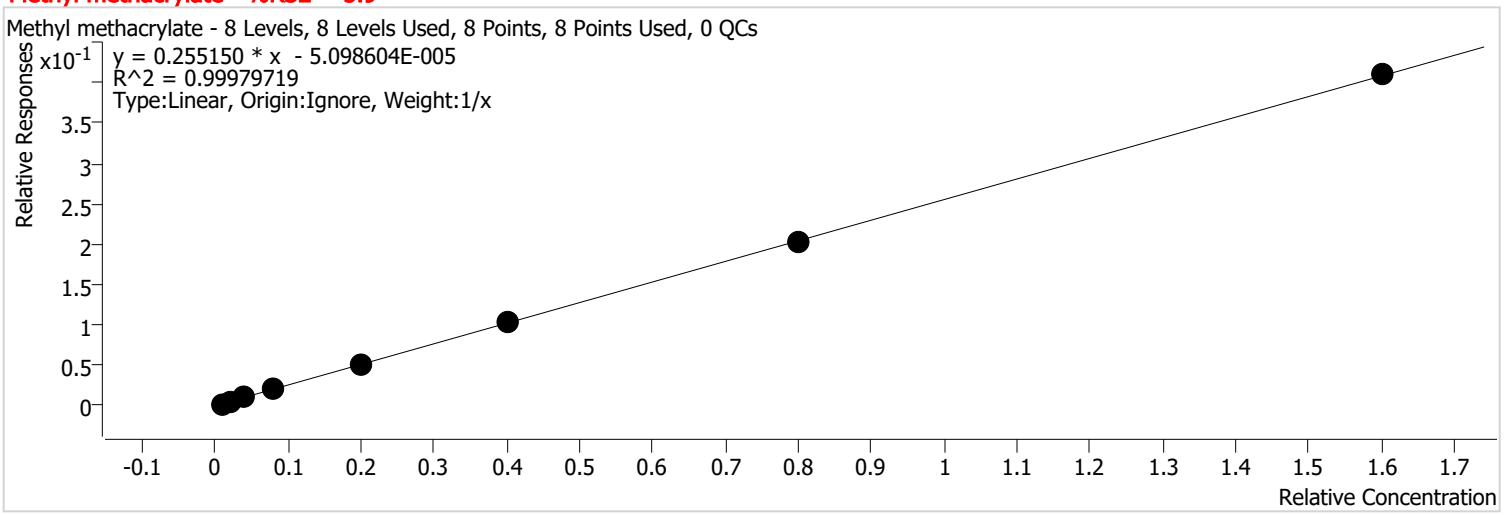
Dibromomethane %RSE = 5.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	11542	0.2000	0.2563	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	28608	0.5000	0.2504	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	56719	1.0000	0.2420	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	119757	2.0000	0.2744	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	299897	5.0000	0.2634	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	643164	10.0000	0.2758	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	1307090	20.0000	0.2724	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	2653733	40.0000	0.2725	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

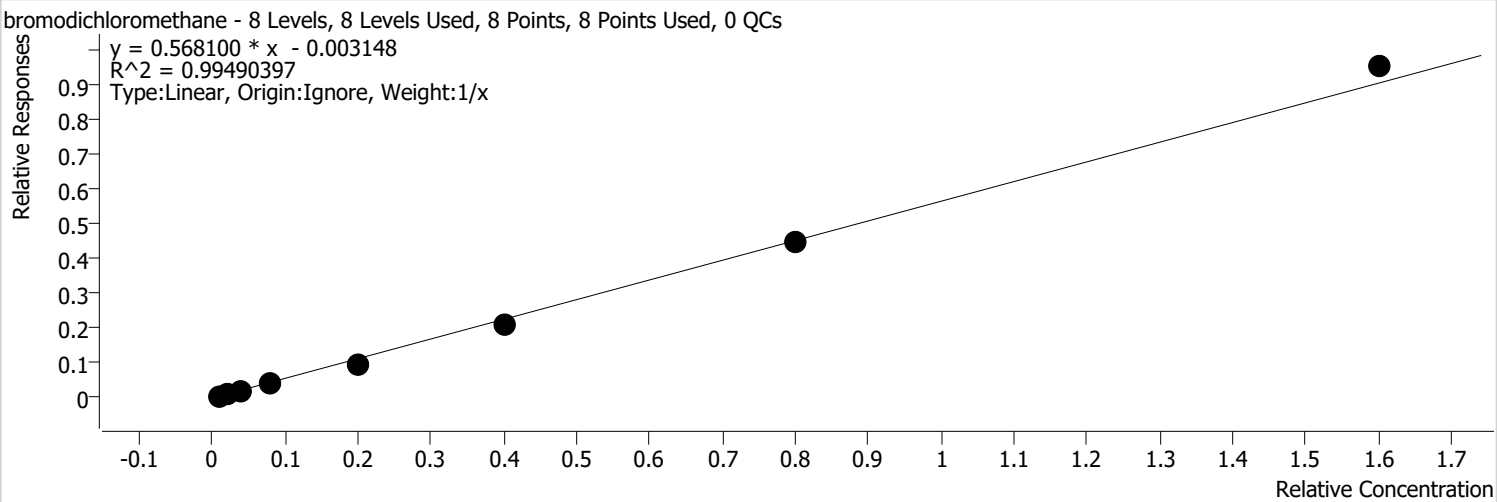
Methyl methacrylate %RSE = 5.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	12559	0.2000	0.2789	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	27647	0.5000	0.2420	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	55585	1.0000	0.2372	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	112169	2.0000	0.2570	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	281084	5.0000	0.2468	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	599905	10.0000	0.2573	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	1222105	20.0000	0.2547	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	2493237	40.0000	0.2560	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:08 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

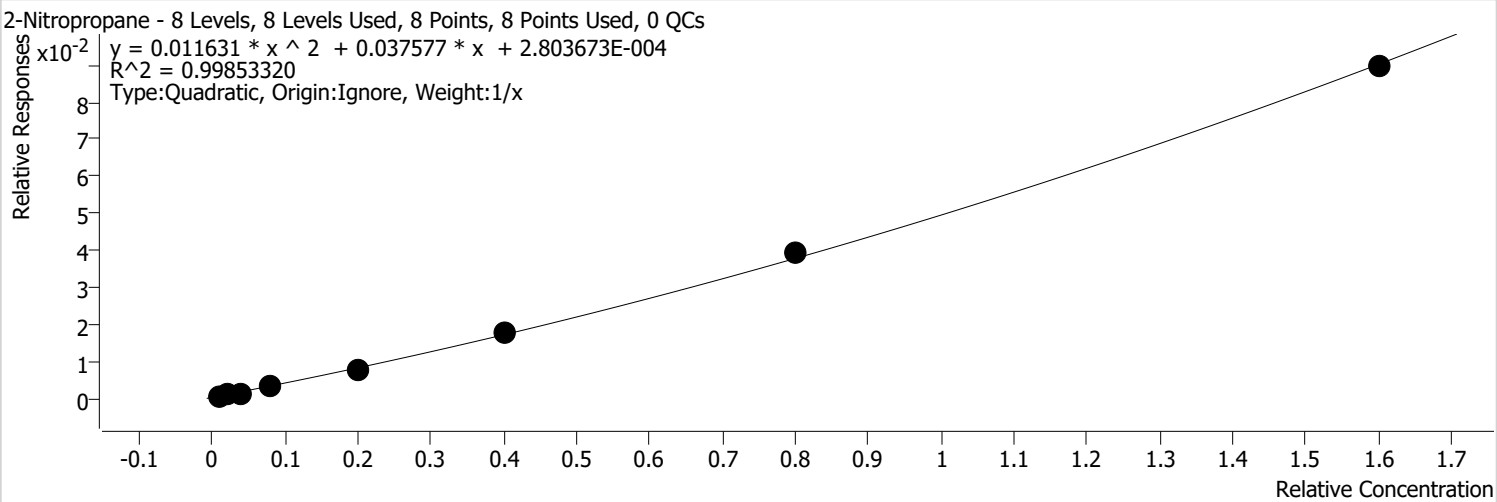
bromodichloromethane %RSE = 20.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	18824	0.2000	0.4181	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	48532	0.5000	0.4247	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	94026	1.0000	0.4012	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	202828	2.0000	0.4647	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	536914	5.0000	0.4715	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1198973	10.0000	0.5142	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	2669059	20.0000	0.5562	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	5801097	40.0000	0.5958	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

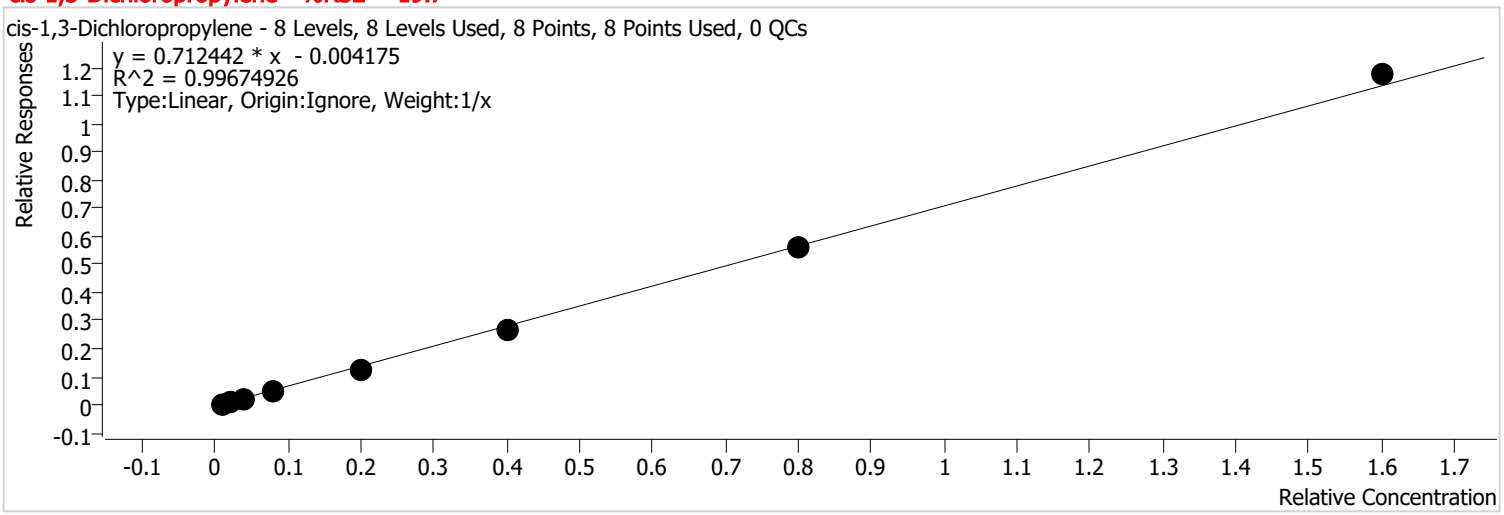
2-Nitropropane %RSE = 22.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	3991	0.2000	0.0886	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	5079	0.5000	0.0445	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	8989	1.0000	0.0384	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	18247	2.0000	0.0418	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	42412	5.0000	0.0372	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	103022	10.0000	0.0442	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	234228	20.0000	0.0488	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	544895	40.0000	0.0560	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

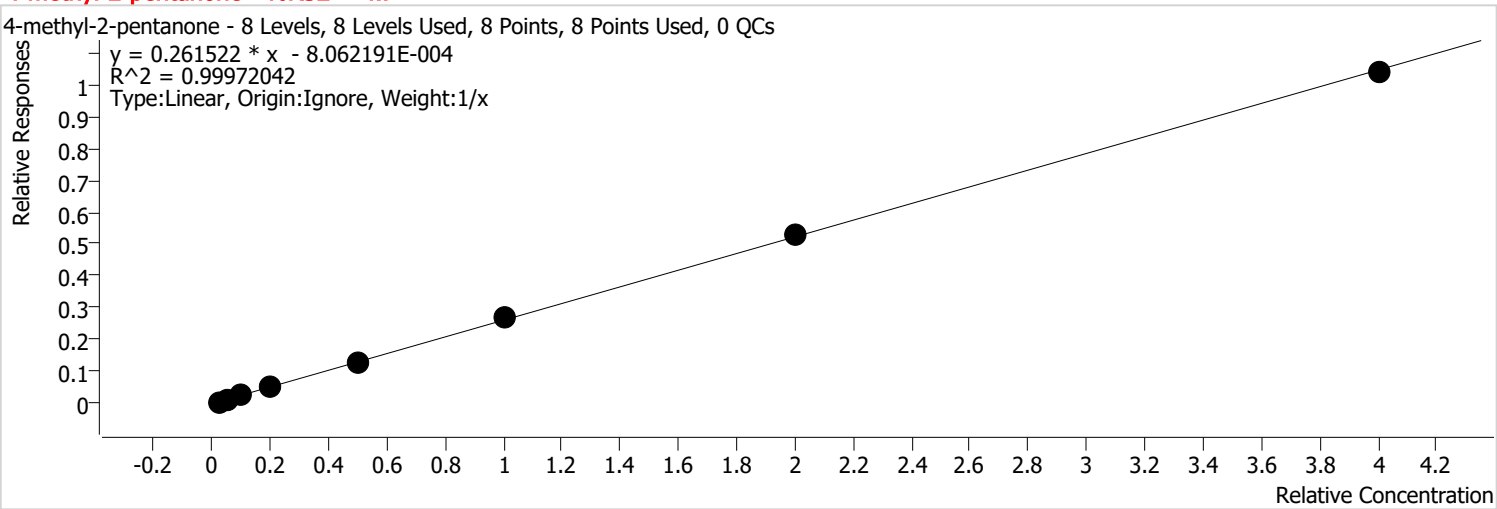
cis-1,3-Dichloropropylene %RSE = 19.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	21940	0.2000	0.4872	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	57917	0.5000	0.5069	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	114496	1.0000	0.4886	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	250115	2.0000	0.5731	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	691046	5.0000	0.6068	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1560620	10.0000	0.6693	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	3391606	20.0000	0.7067	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	7153723	40.0000	0.7347	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

4-methyl-2-pentanone %RSE = 4.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	26909	0.5000	0.2390	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	69335	1.2500	0.2427	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	135285	2.5000	0.2309	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	285222	5.0000	0.2614	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	731119	12.5000	0.2568	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1554452	25.0000	0.2667	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	3166945	50.0000	0.2640	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	6307579	100.0000	0.2591	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
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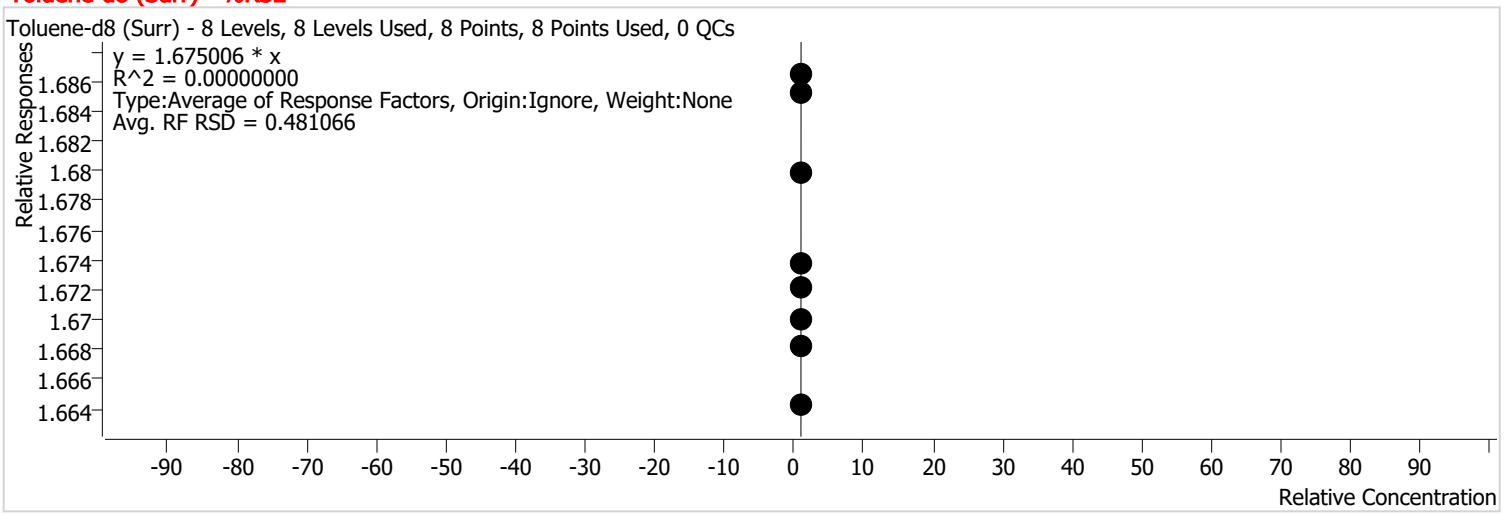
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

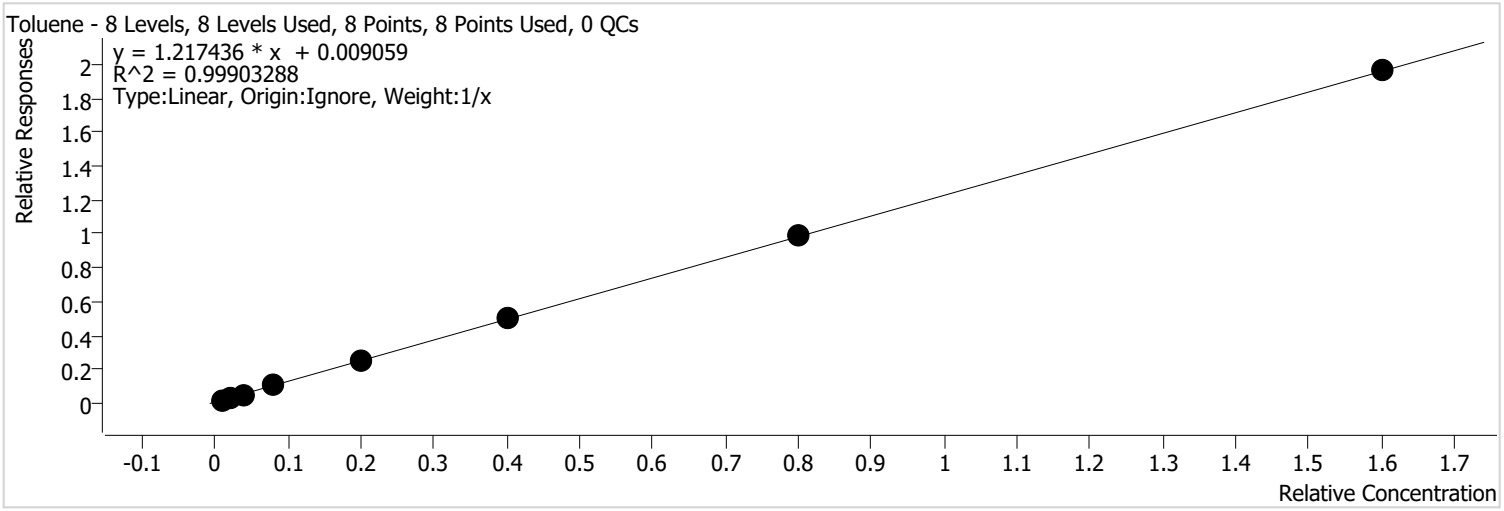
Toluene-d8 (Surr) %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	10152760	25.0000	1.6682	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	9983983	25.0000	1.6644	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	9747482	25.0000	1.6722	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	9602260	25.0000	1.6864	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	9194034	25.0000	1.6853	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	9784043	25.0000	1.6699	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	9562484	25.0000	1.6737	
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	9455074	25.0000	1.6799	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

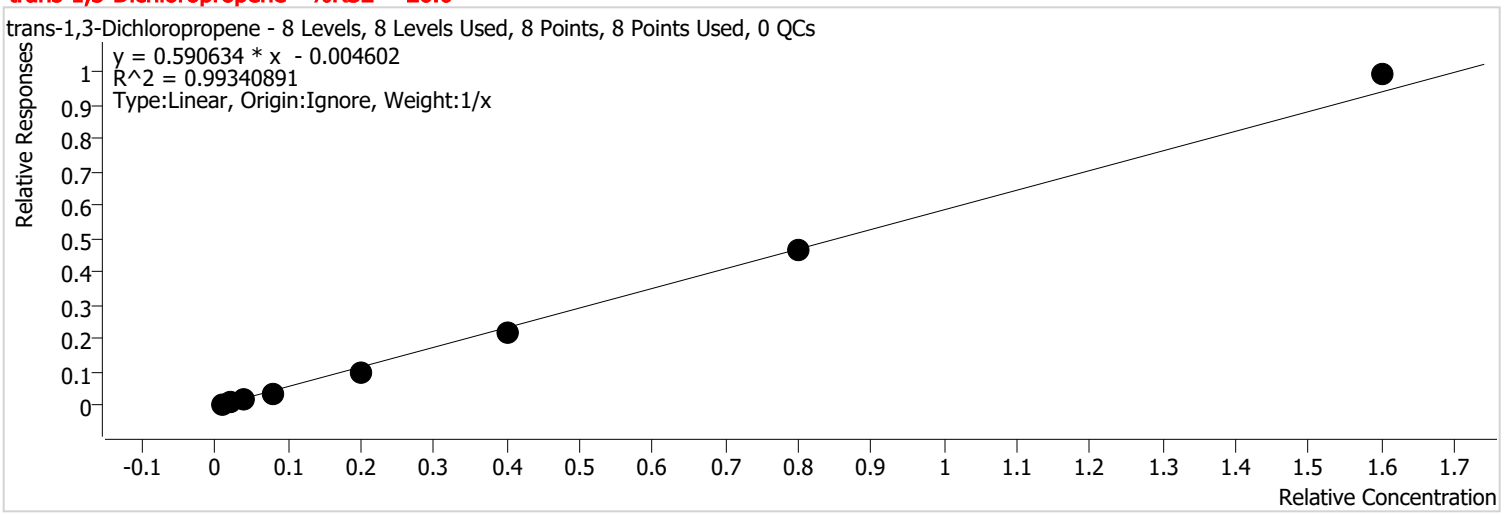
Toluene %RSE = 17.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	124405	0.2000	2.7629	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	158477	0.5000	1.3869	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	301589	1.0000	1.2869	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	594024	2.0000	1.3611	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	1422097	5.0000	1.2488	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	2901641	10.0000	1.2444	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	5917626	20.0000	1.2331	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	11932808	40.0000	1.2255	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

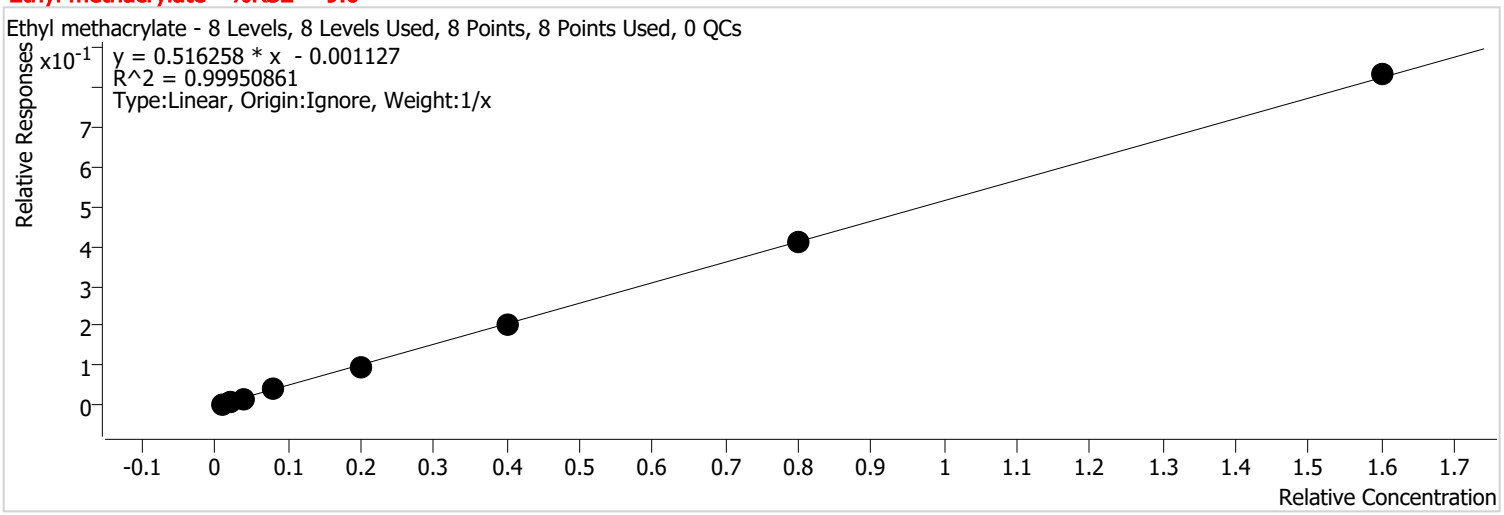
trans-1,3-Dichloropropene %RSE = 26.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	15261	0.2000	0.3389	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	42394	0.5000	0.3710	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	82290	1.0000	0.3511	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	192410	2.0000	0.4409	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	533018	5.0000	0.4681	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1246496	10.0000	0.5346	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	2779694	20.0000	0.5792	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	6038523	40.0000	0.6201	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

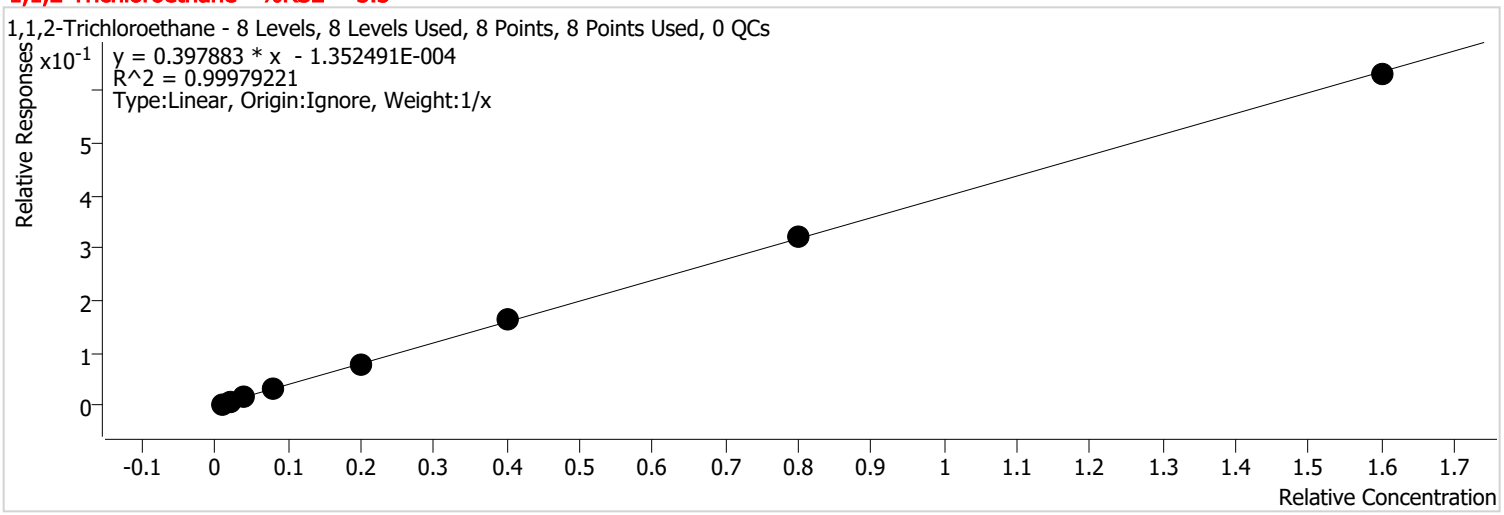
Ethyl methacrylate %RSE = 9.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	21112	0.2000	0.4689	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	52549	0.5000	0.4599	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	100789	1.0000	0.4301	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	212169	2.0000	0.4861	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	554116	5.0000	0.4866	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1195609	10.0000	0.5128	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	2474453	20.0000	0.5156	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	5064662	40.0000	0.5201	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

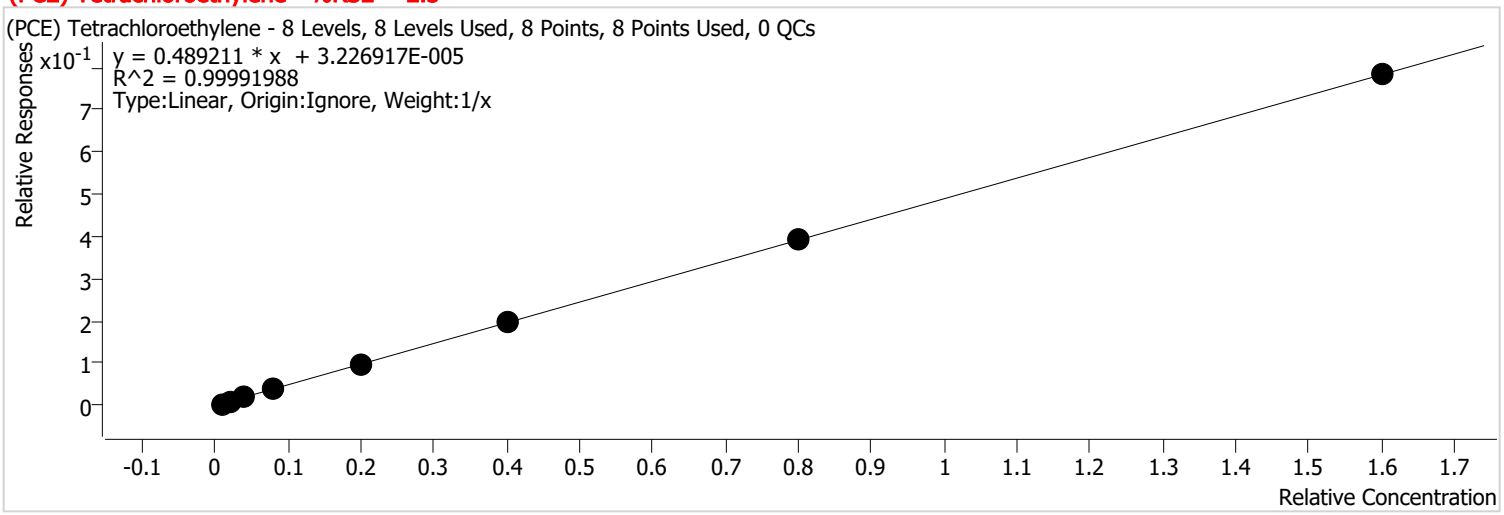
1,1,2-Trichloroethane %RSE = 3.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	16319	0.2000	0.3624	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	44432	0.5000	0.3888	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	90849	1.0000	0.3877	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	183147	2.0000	0.4196	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	450474	5.0000	0.3956	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	944219	10.0000	0.4050	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	1918070	20.0000	0.3997	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	3839306	40.0000	0.3943	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

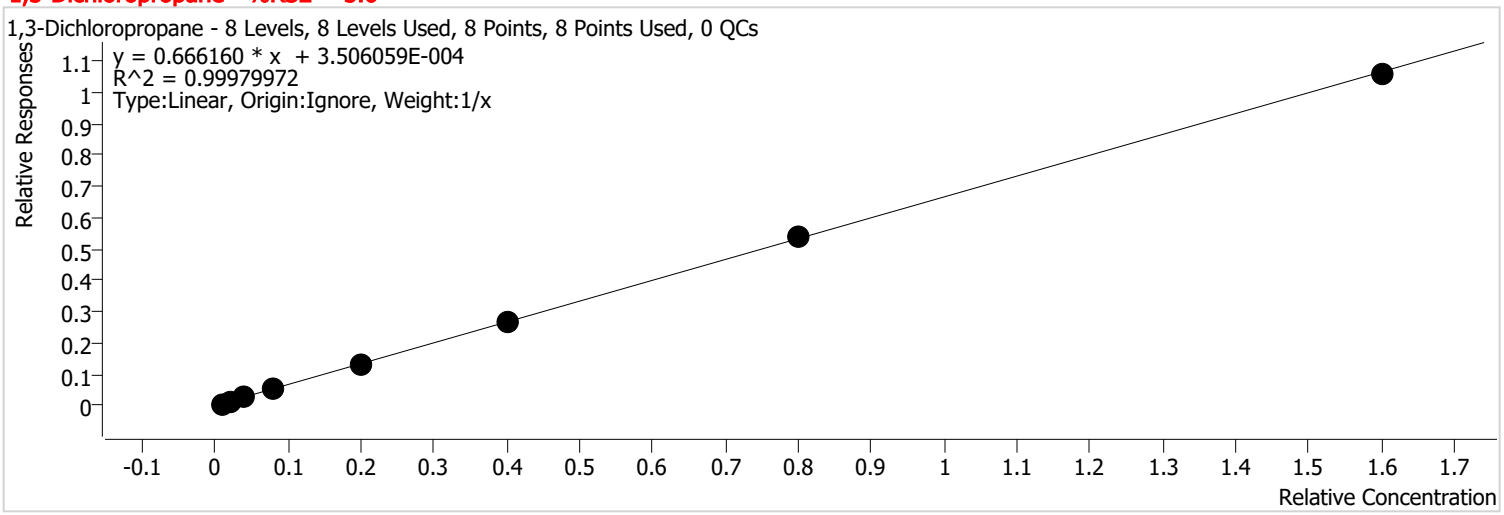
(PCE) Tetrachloroethylene %RSE = 2.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	22474	0.2000	0.4991	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	55278	0.5000	0.4838	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	111261	1.0000	0.4747	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	222746	2.0000	0.5104	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	550714	5.0000	0.4836	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1146538	10.0000	0.4917	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	2343298	20.0000	0.4883	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	4763792	40.0000	0.4892	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,3-Dichloropropane %RSE = 3.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	30223	0.2000	0.6712	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	77725	0.5000	0.6802	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	156290	1.0000	0.6669	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	310899	2.0000	0.7124	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	762250	5.0000	0.6694	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1578272	10.0000	0.6769	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	3213130	20.0000	0.6695	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	6432613	40.0000	0.6606	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
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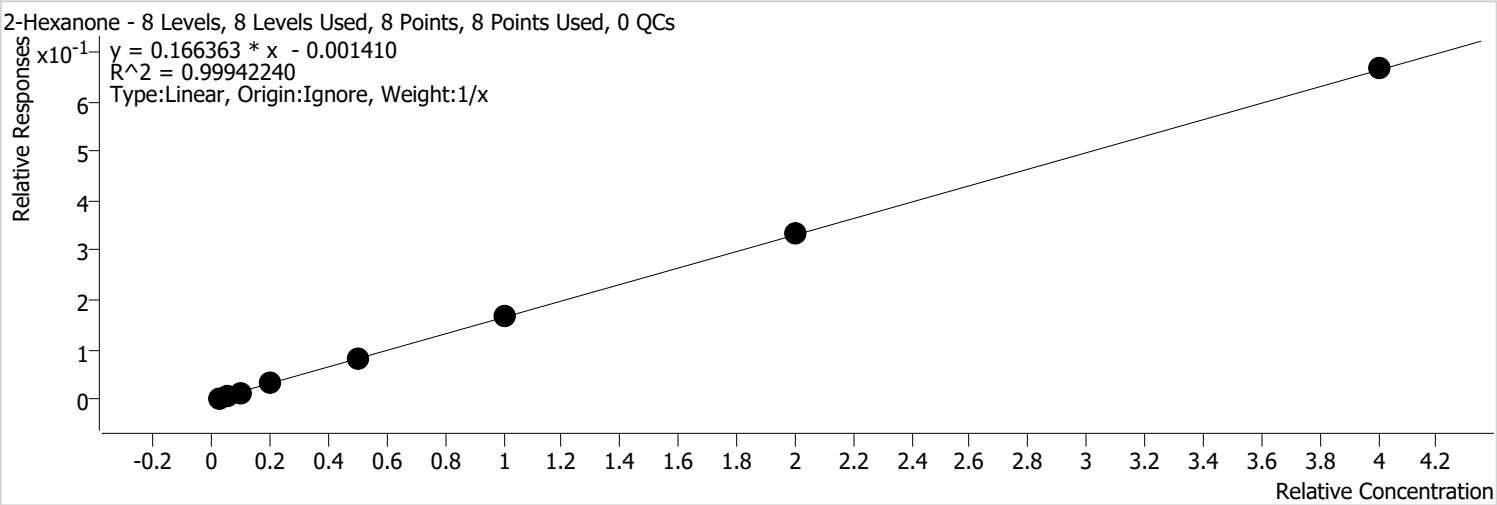
Quant Batch Version	10.0	**Quant Report Version**	10.0

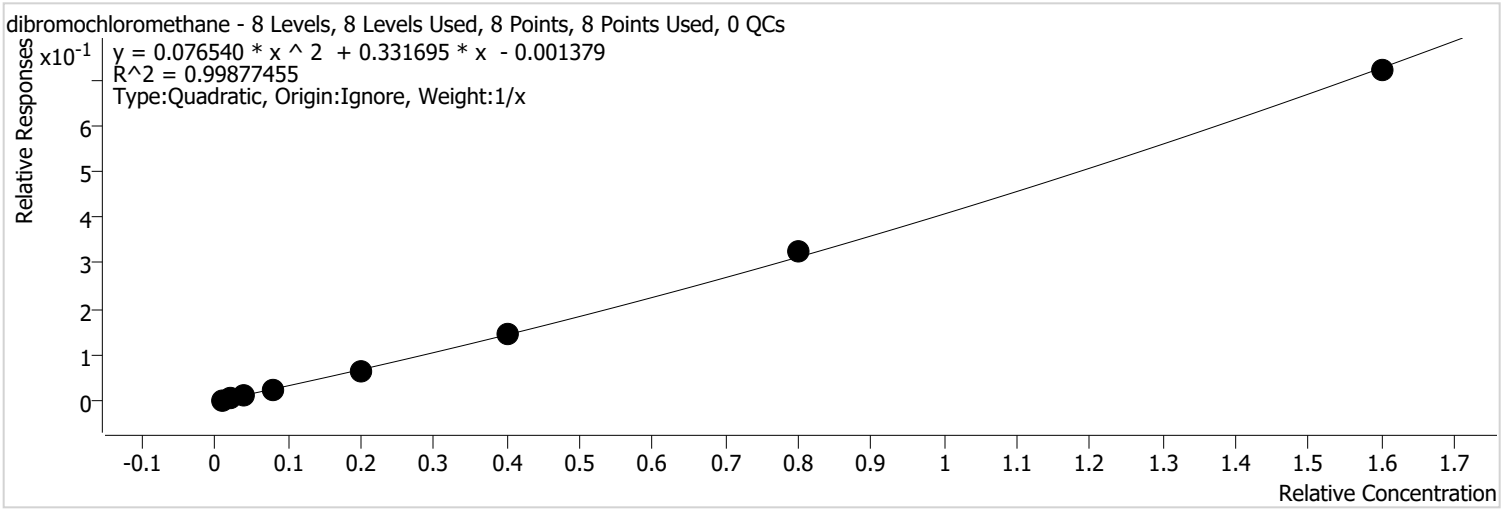
2-Hexanone %RSE = 10.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	14472	0.5000	0.1286	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	39883	1.2500	0.1396	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	72979	2.5000	0.1246	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	168945	5.0000	0.1548	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	453836	12.5000	0.1594	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	965649	25.0000	0.1657	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	1995851	50.0000	0.1664	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	4058935	100.0000	0.1667	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

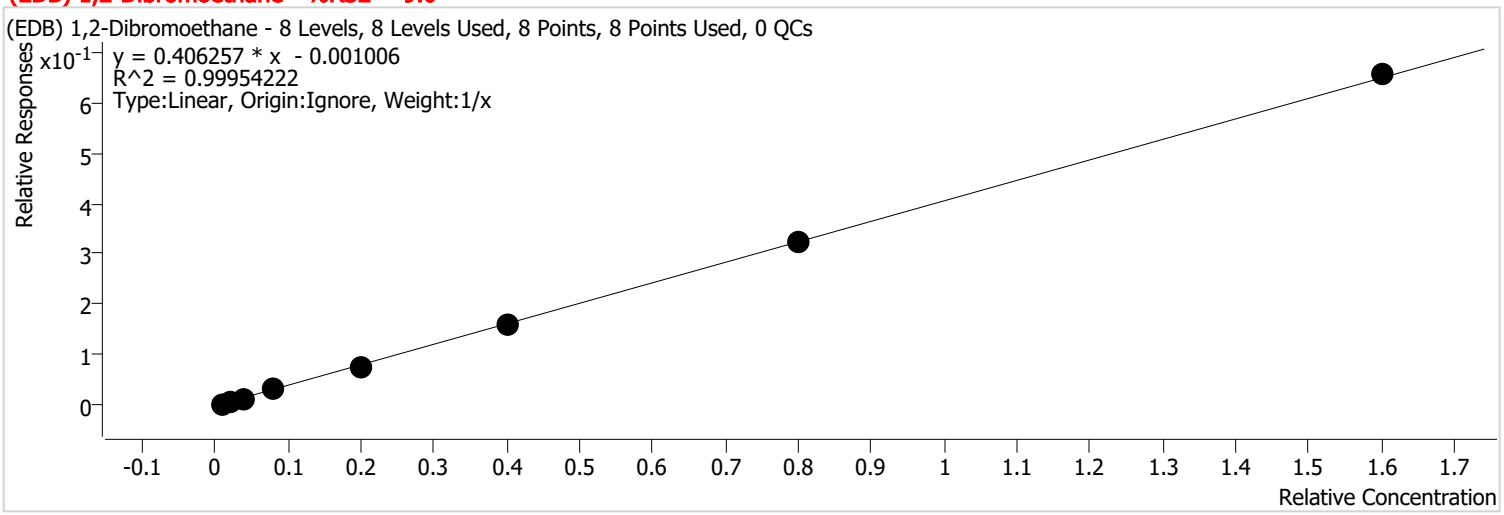
dibromochloromethane %RSE = 16.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	11944	0.2000	0.2653	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	27314	0.5000	0.2390	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	59073	1.0000	0.2521	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	130363	2.0000	0.2987	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	355903	5.0000	0.3125	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	849447	10.0000	0.3643	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	1954104	20.0000	0.4072	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	4376726	40.0000	0.4495	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

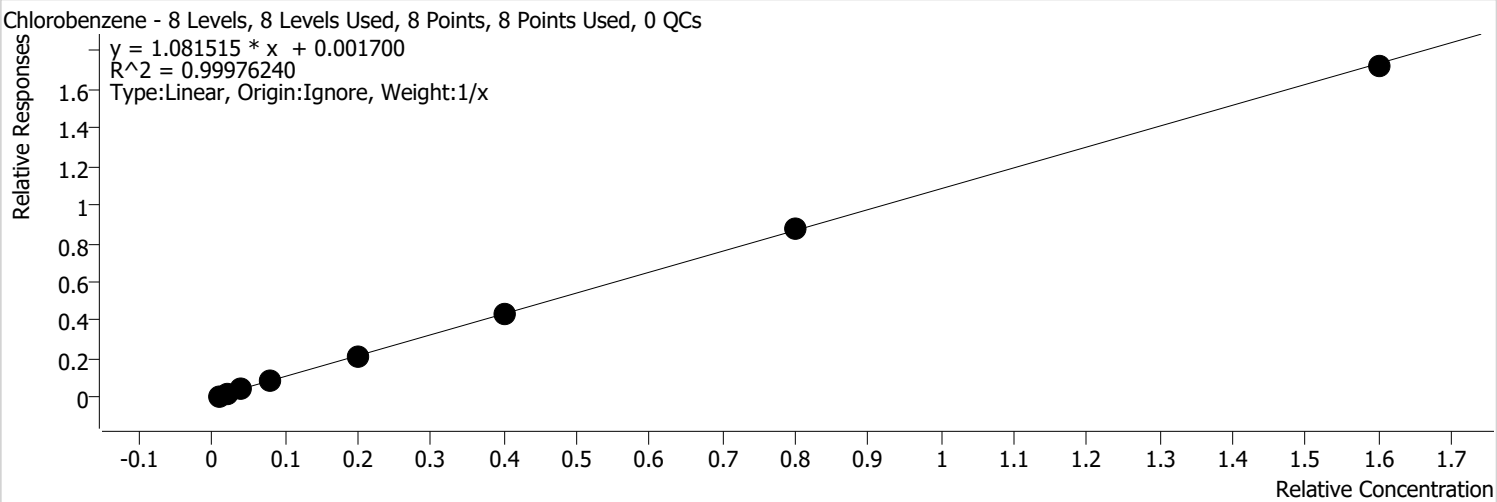
(EDB) 1,2-Dibromoethane %RSE = 9.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	15901	0.2000	0.3531	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	39663	0.5000	0.3471	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	77915	1.0000	0.3325	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	171861	2.0000	0.3938	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	439033	5.0000	0.3855	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	934640	10.0000	0.4008	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	1940748	20.0000	0.4044	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	3988119	40.0000	0.4096	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

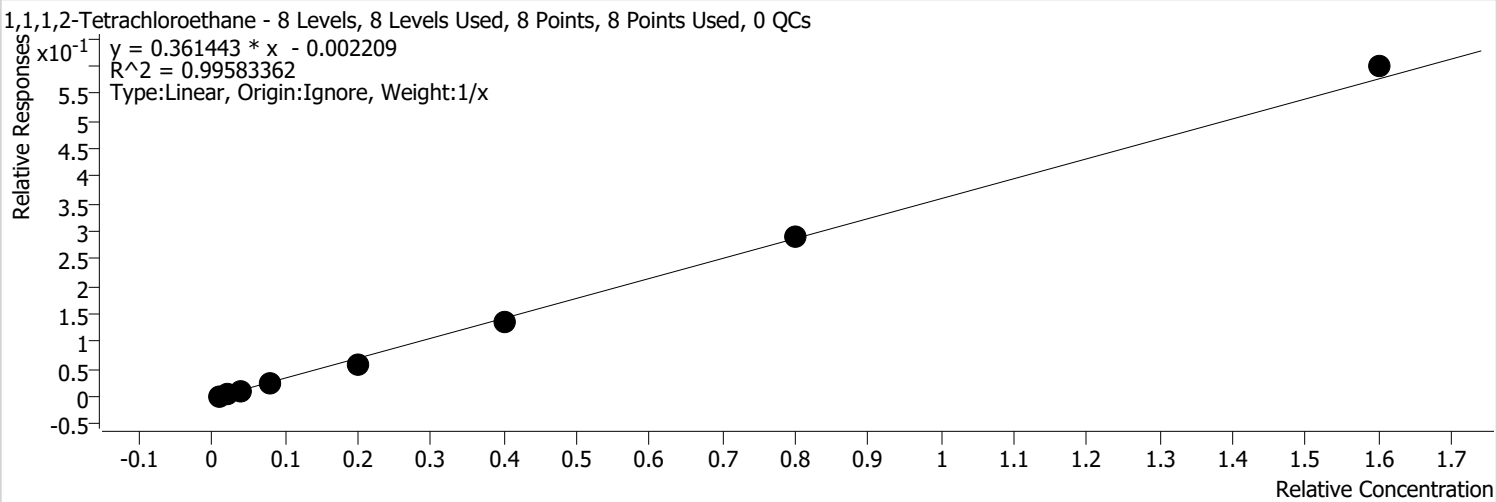
Chlorobenzene %RSE = 4.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	76553	0.2000	1.2191	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	185946	0.5000	1.1833	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	357066	1.0000	1.1072	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	720139	2.0000	1.1735	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	1732521	5.0000	1.0857	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	3498552	10.0000	1.0916	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	7156312	20.0000	1.0968	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	14375901	40.0000	1.0721	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

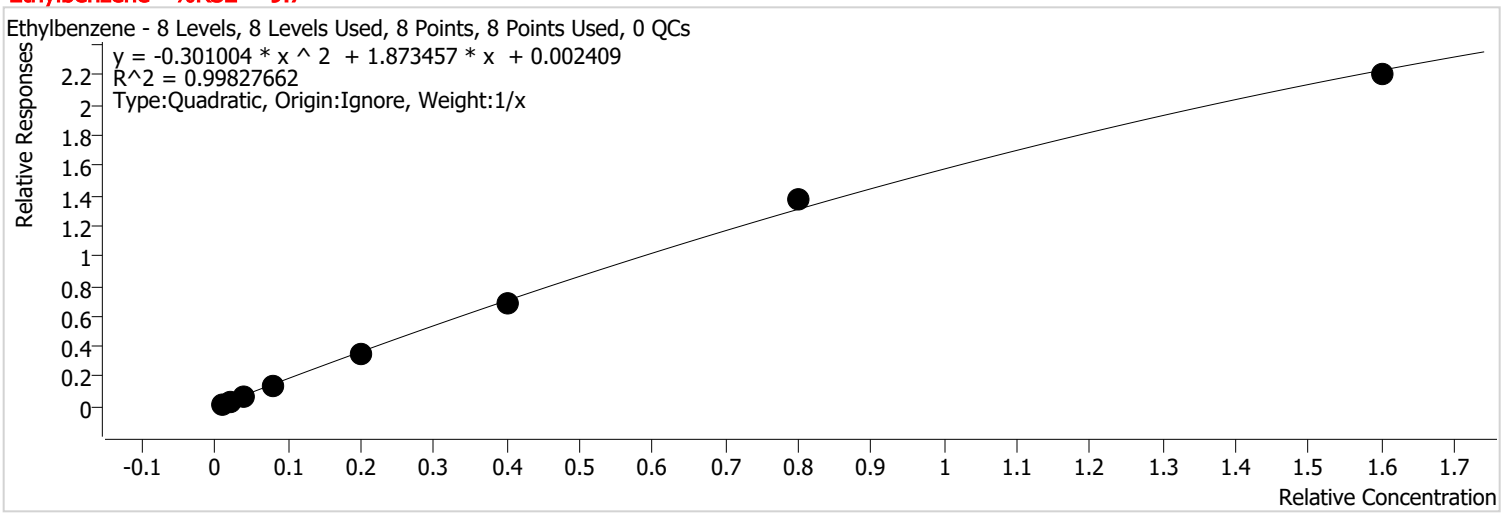
1,1,1,2-Tetrachloroethane %RSE = 21.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	15573	0.2000	0.2480	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	39210	0.5000	0.2495	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	82088	1.0000	0.2545	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	172530	2.0000	0.2812	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	477623	5.0000	0.2993	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1071123	10.0000	0.3342	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	2354272	20.0000	0.3608	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	5014073	40.0000	0.3739	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

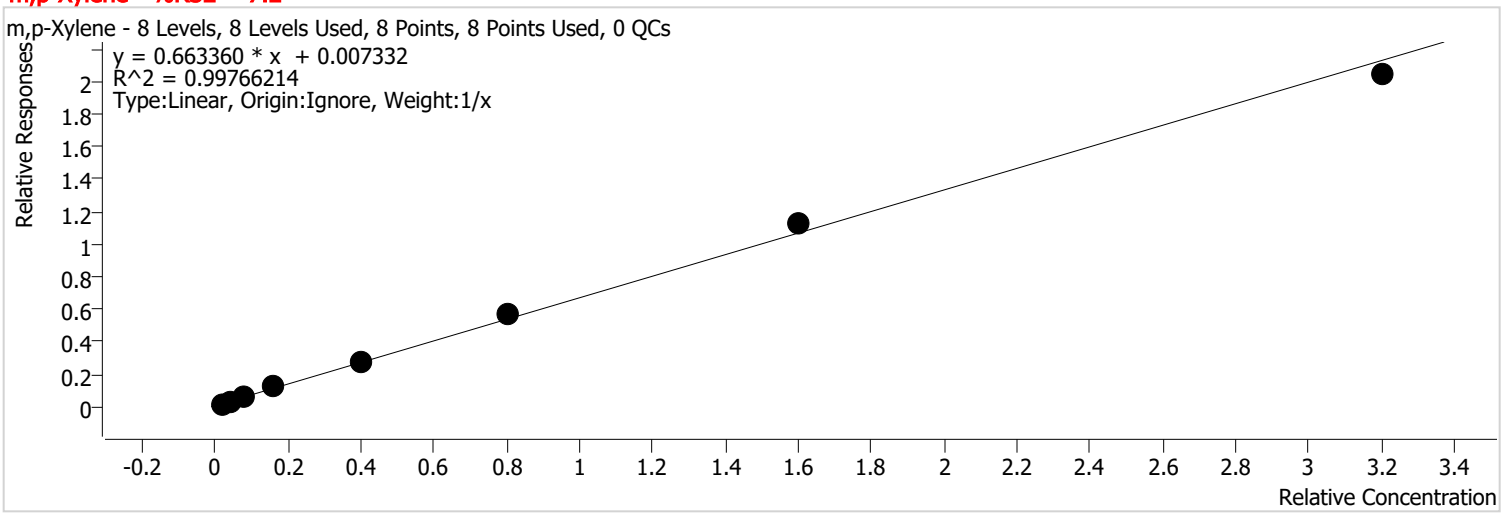
Ethylbenzene %RSE = 9.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	156822	0.2000	2.4974	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	301427	0.5000	1.9181	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	573383	1.0000	1.7780	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	1122553	2.0000	1.8293	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	2760481	5.0000	1.7298	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	5513457	10.0000	1.7203	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	11268036	20.0000	1.7270	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	18432638	40.0000	1.3746	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

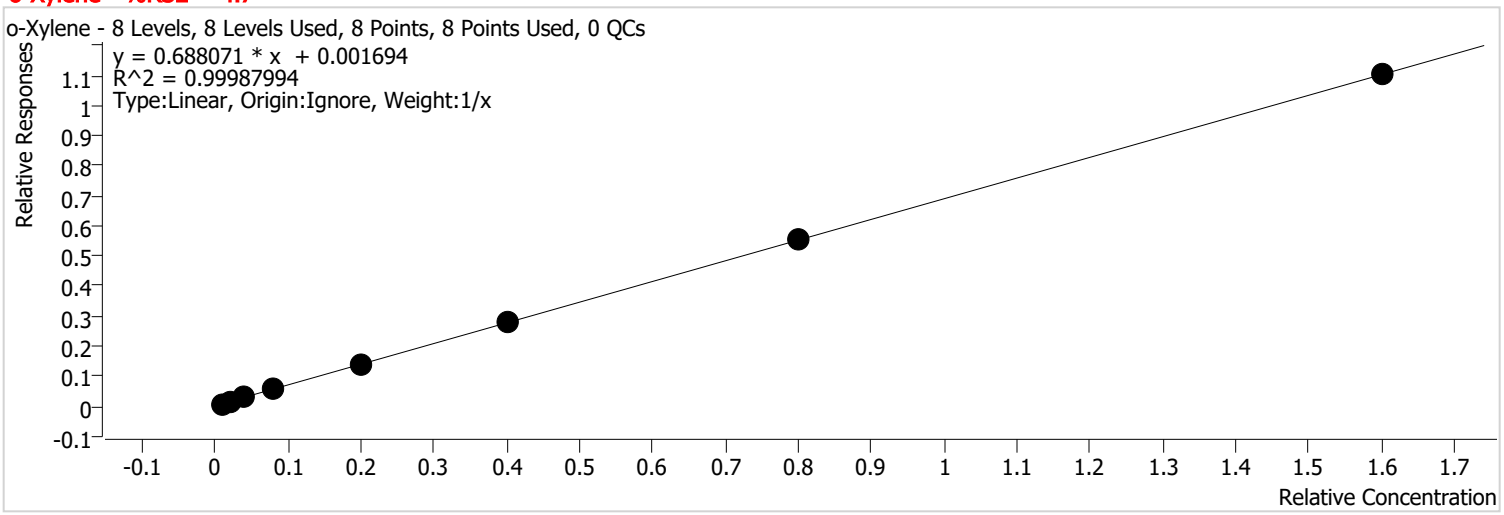
m,p-Xylene %RSE = 7.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	143894	0.4000	1.1458	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	242078	1.0000	0.7702	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	457329	2.0000	0.7091	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	922986	4.0000	0.7521	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	2224967	10.0000	0.6971	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	4526482	20.0000	0.7062	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	9154350	40.0000	0.7015	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	17119360	80.0000	0.6384	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

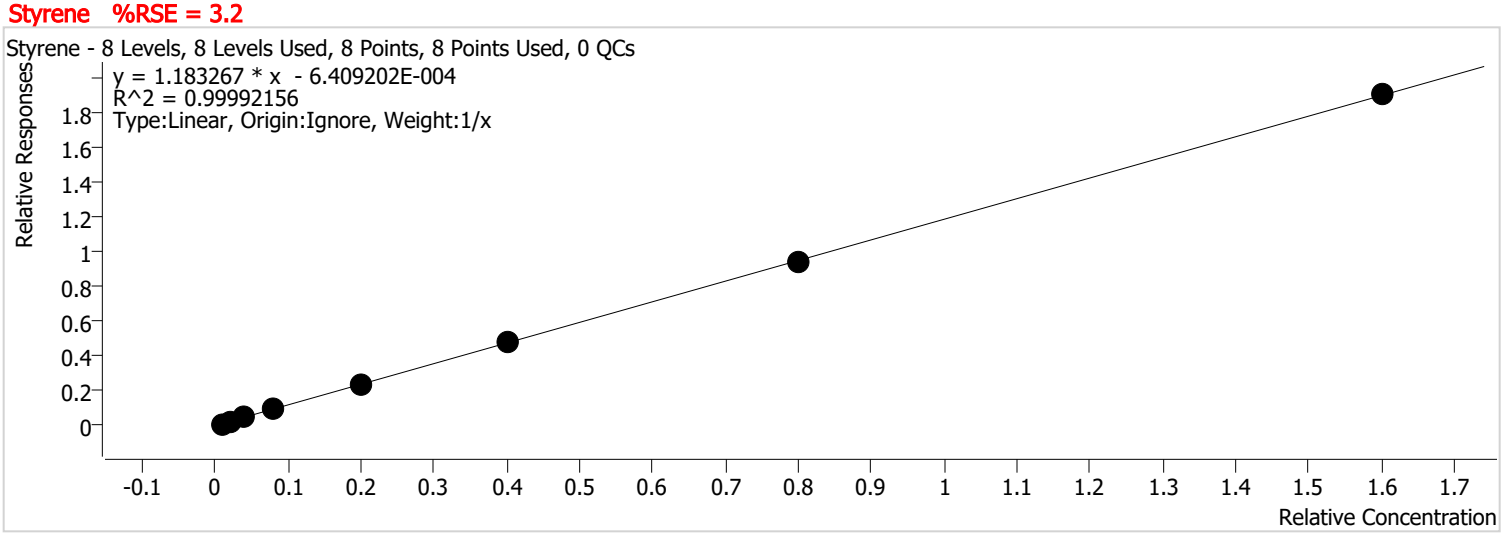
o-Xylene %RSE = 4.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	60314	0.2000	0.9605	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	117758	0.5000	0.7494	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	222624	1.0000	0.6903	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	441946	2.0000	0.7202	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	1090473	5.0000	0.6833	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	2223379	10.0000	0.6937	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	4528877	20.0000	0.6941	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	9237401	40.0000	0.6889	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

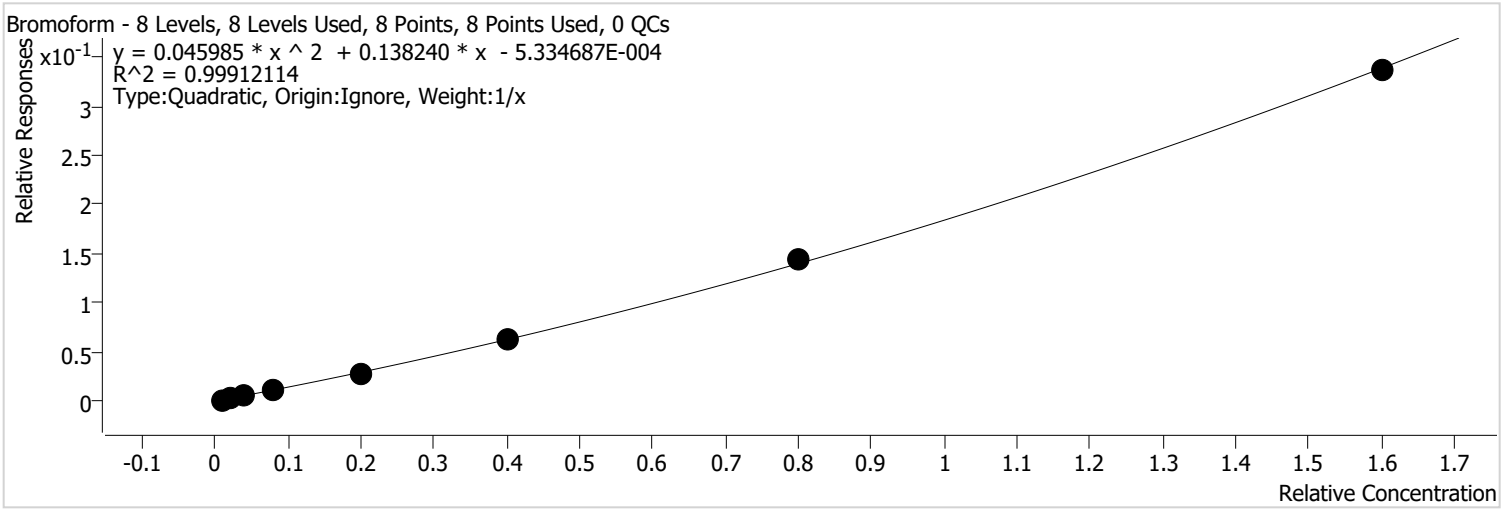
Styrene %RSE = 3.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	72875	0.2000	1.1605	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	177415	0.5000	1.1290	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	358167	1.0000	1.1107	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	742211	2.0000	1.2095	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	1862058	5.0000	1.1668	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	3790221	10.0000	1.1826	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	7693685	20.0000	1.1792	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	15897806	40.0000	1.1856	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

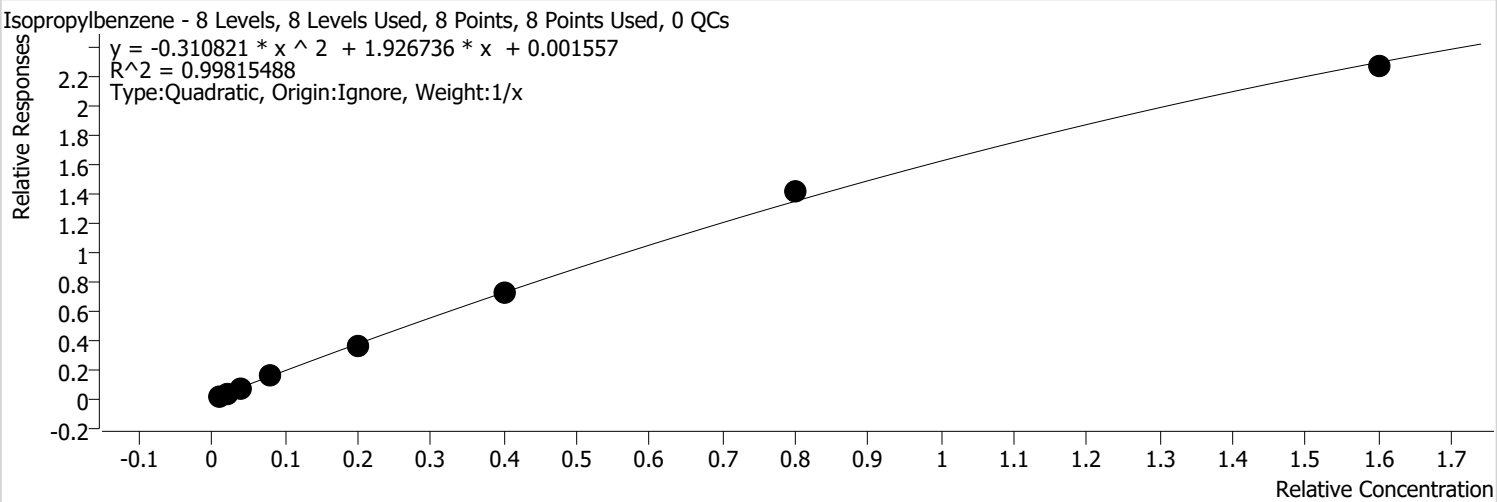
Bromoform %RSE = 13.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	6793	0.2000	0.1082	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	17159	0.5000	0.1092	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	35124	1.0000	0.1089	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	75790	2.0000	0.1235	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	214575	5.0000	0.1345	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	504390	10.0000	0.1574	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	1179126	20.0000	0.1807	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	2815396	40.0000	0.2100	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

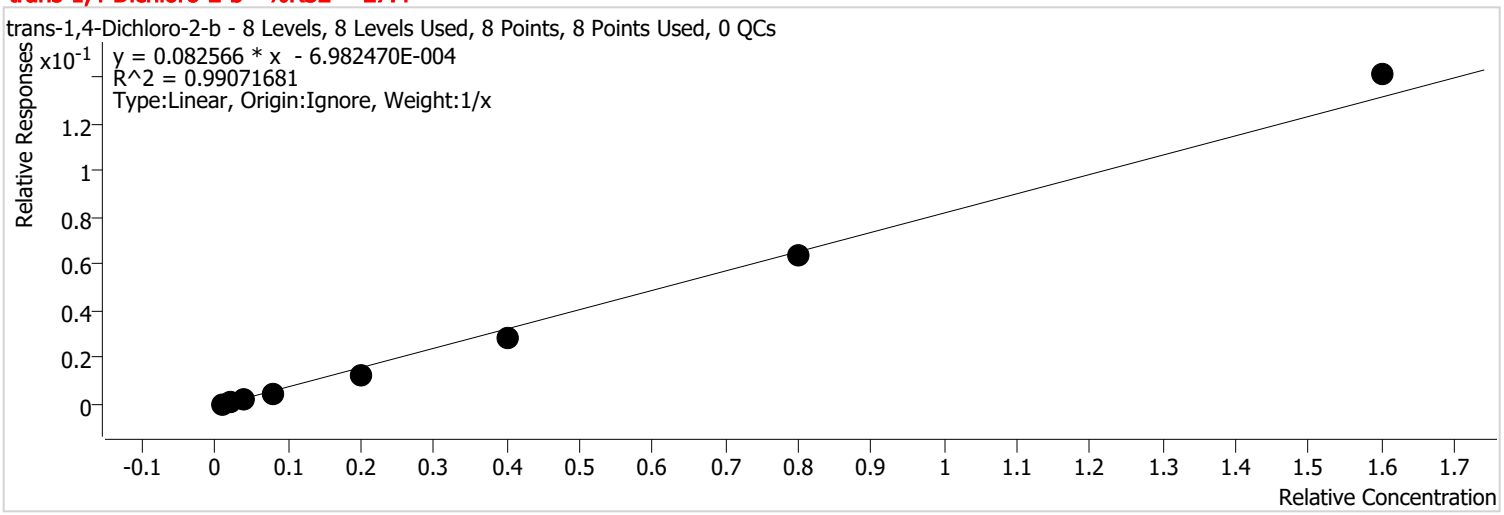
Isopropylbenzene %RSE = 13.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	162197	0.2000	2.5830	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	287602	0.5000	1.8301	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	565199	1.0000	1.7527	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	1158072	2.0000	1.8872	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	2806561	5.0000	1.7587	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	5740853	10.0000	1.7912	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	11523256	20.0000	1.7662	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	18930890	40.0000	1.4118	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

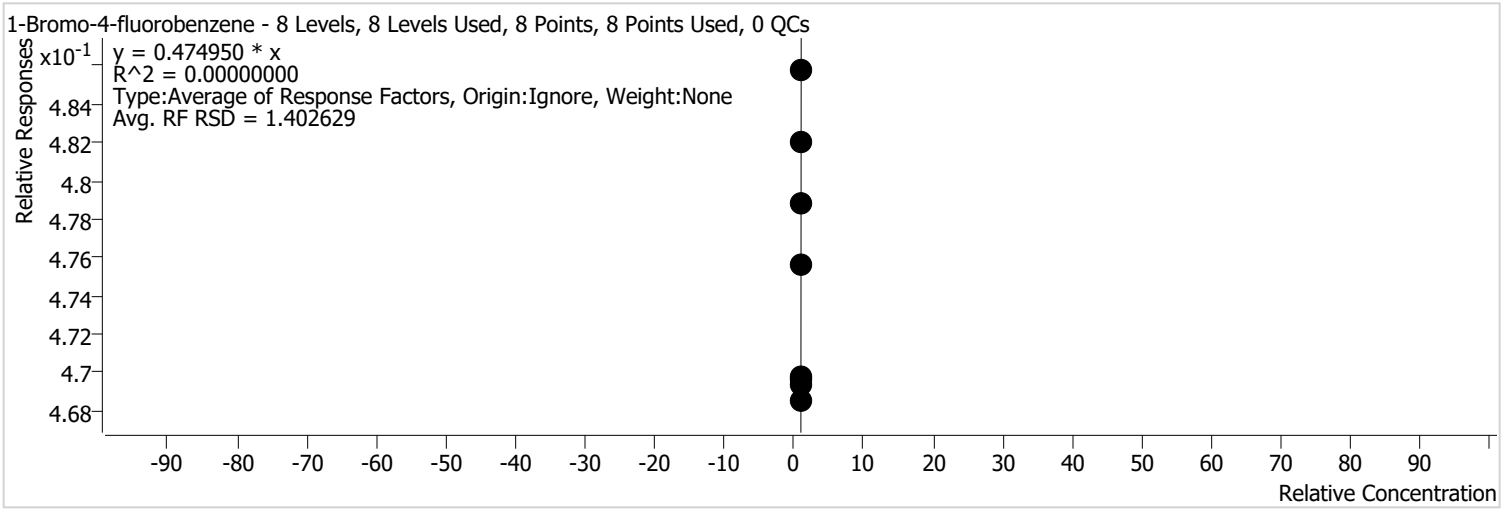
trans-1,4-Dichloro-2-b %RSE = 27.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	2721	0.2000	0.0433	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	7556	0.5000	0.0481	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	16421	1.0000	0.0509	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	36905	2.0000	0.0601	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	101157	5.0000	0.0634	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	230691	10.0000	0.0720	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	519682	20.0000	0.0797	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	1181532	40.0000	0.0881	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1-Bromo-4-fluorobenzene %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	3985887	25.0000	0.4756	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	3830429	25.0000	0.4697	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	3837058	25.0000	0.4789	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	3875797	25.0000	0.4857	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	3697756	25.0000	0.4821	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	3787155	25.0000	0.4698	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	3687600	25.0000	0.4693	
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	3677808	25.0000	0.4686	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
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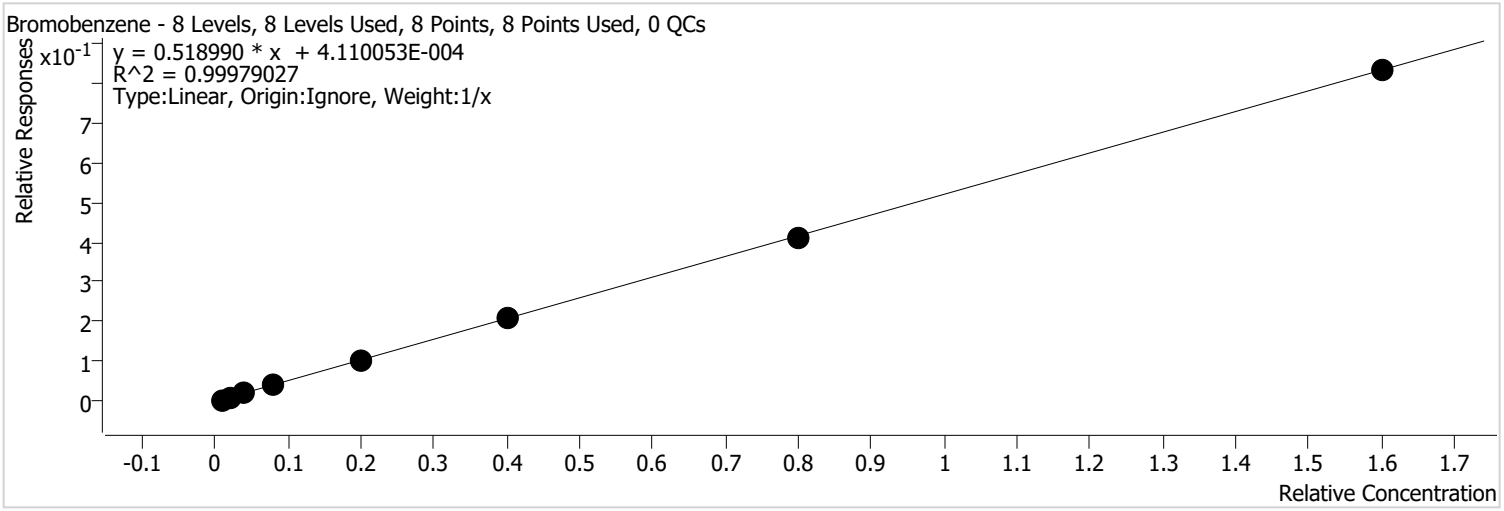
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

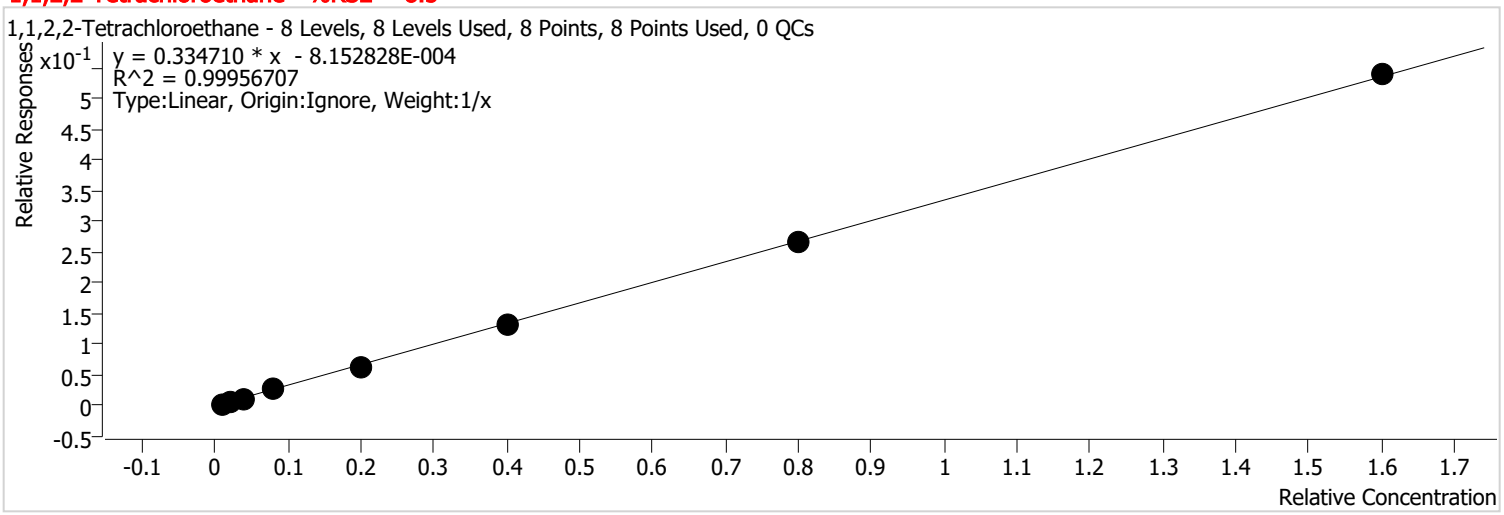
Bromobenzene %RSE = 4.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	33629	0.2000	0.5355	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	85267	0.5000	0.5426	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	167118	1.0000	0.5182	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	346006	2.0000	0.5639	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	840057	5.0000	0.5264	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1674328	10.0000	0.5224	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	3365403	20.0000	0.5158	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	6949173	40.0000	0.5182	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

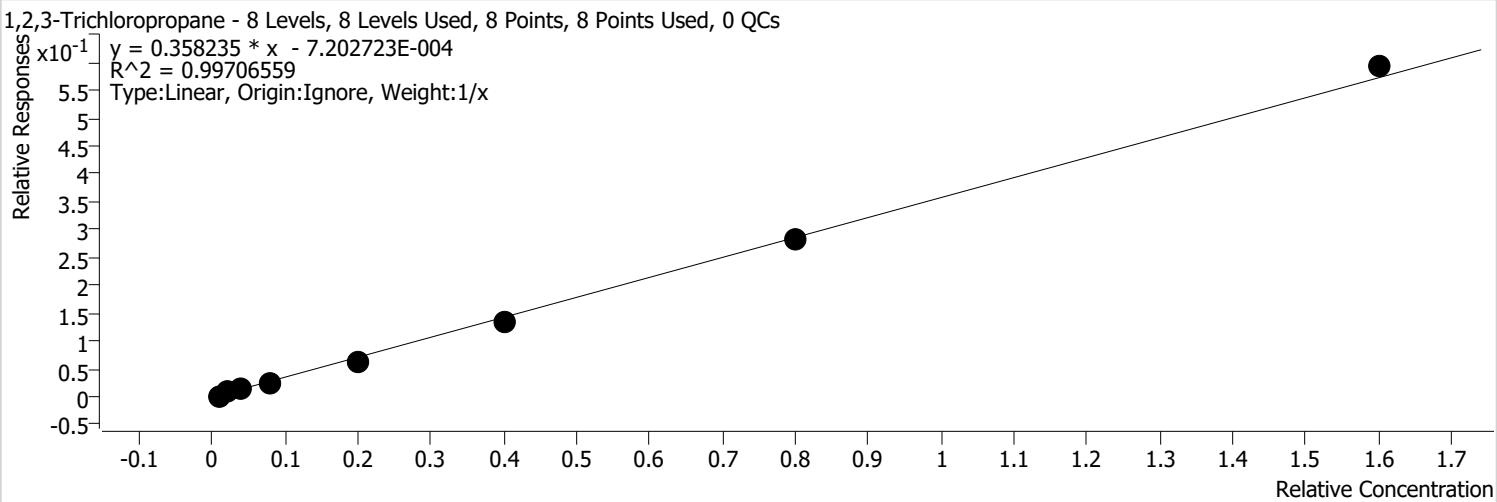
1,1,2,2-Tetrachloroethane %RSE = 8.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	17937	0.2000	0.2856	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	46629	0.5000	0.2967	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	87360	1.0000	0.2709	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	197590	2.0000	0.3220	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	507081	5.0000	0.3178	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1067399	10.0000	0.3330	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	2182496	20.0000	0.3345	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	4508388	40.0000	0.3362	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

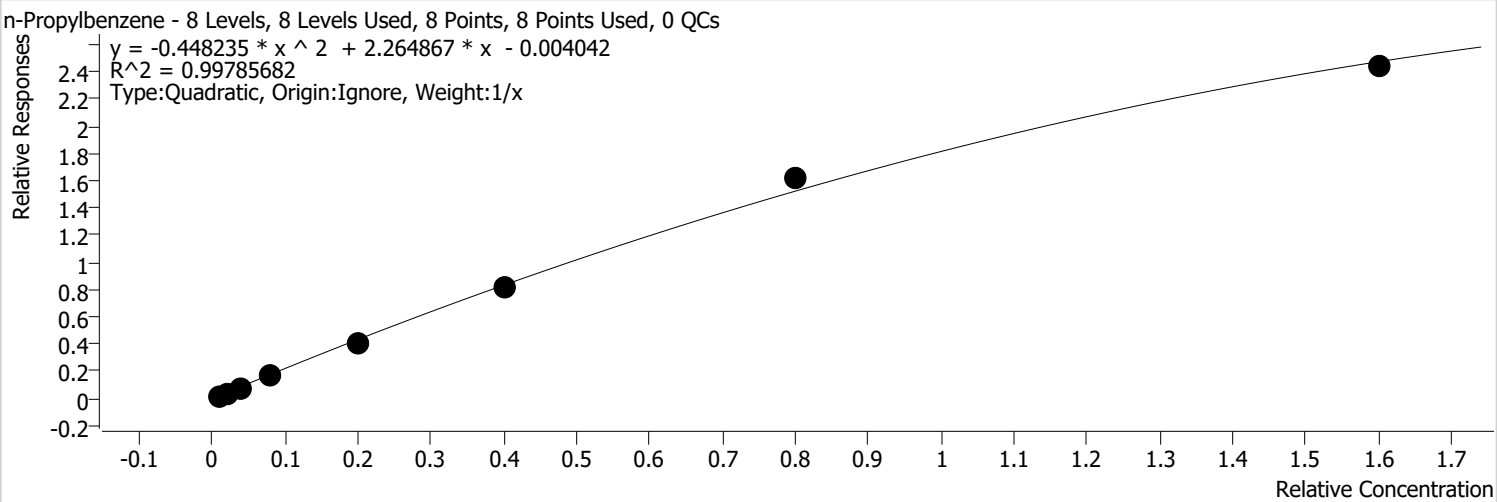
1,2,3-Trichloropropane %RSE = 14.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	13332	0.2000	0.2123	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	65375	0.5000	0.4160	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	124169	1.0000	0.3850	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	194785	2.0000	0.3174	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	508821	5.0000	0.3188	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1073067	10.0000	0.3348	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	2292783	20.0000	0.3514	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	4964023	40.0000	0.3702	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

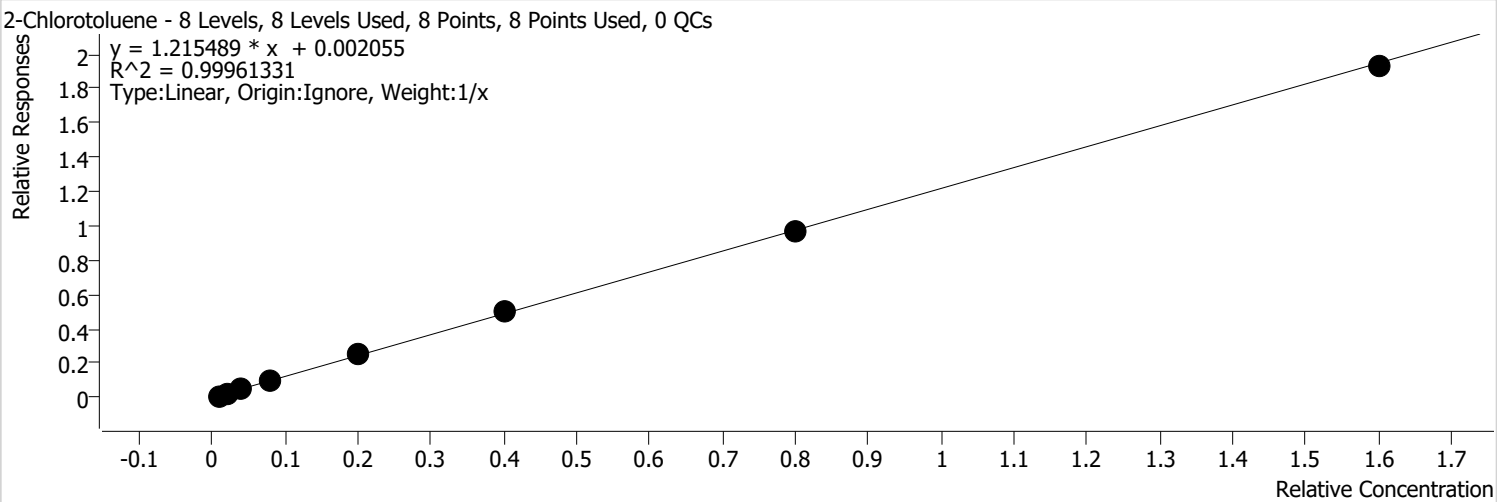
n-Propylbenzene %RSE = 10.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	137320	0.2000	2.1868	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	307286	0.5000	1.9554	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	624656	1.0000	1.9370	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	1316735	2.0000	2.1458	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	3207473	5.0000	2.0099	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	6541475	10.0000	2.0410	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	13136305	20.0000	2.0134	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	20405272	40.0000	1.5218	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

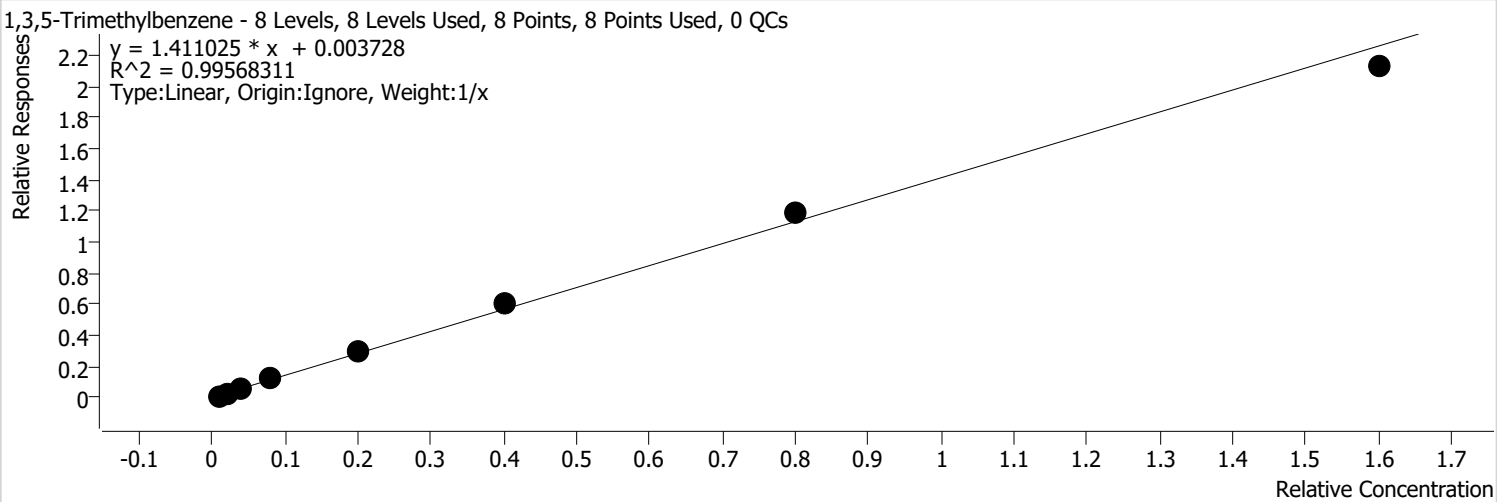
2-Chlorotoluene %RSE = 4.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	86881	0.2000	1.3836	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	202187	0.5000	1.2866	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	404946	1.0000	1.2557	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	817021	2.0000	1.3314	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	1992736	5.0000	1.2487	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	4025151	10.0000	1.2559	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	7923099	20.0000	1.2144	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	16138177	40.0000	1.2035	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

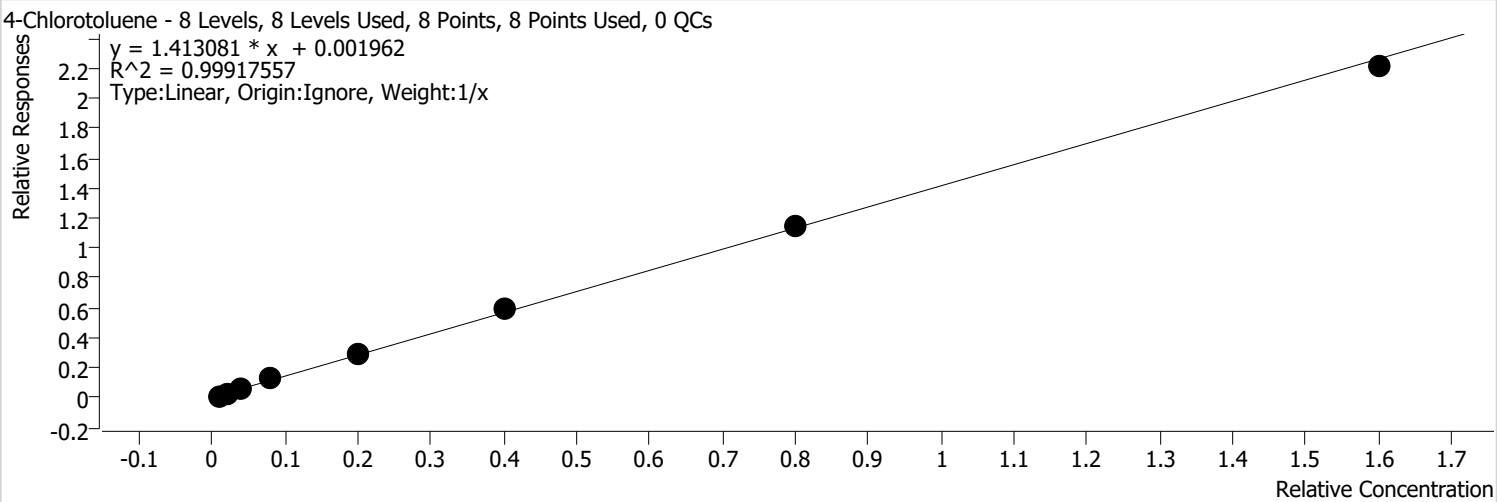
1,3,5-Trimethylbenzene %RSE = 9.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	104379	0.2000	1.6622	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	235798	0.5000	1.5005	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	480542	1.0000	1.4901	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	977432	2.0000	1.5928	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	2410261	5.0000	1.5104	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	4907041	10.0000	1.5311	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	9773508	20.0000	1.4980	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	17838261	40.0000	1.3303	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

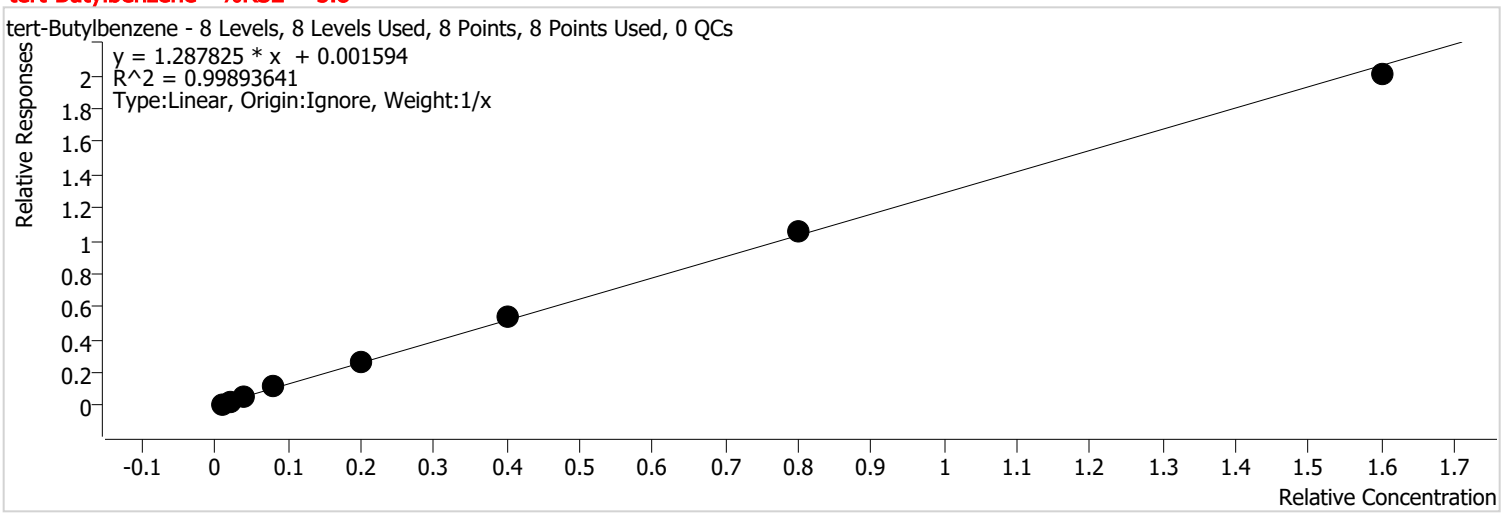
4-Chlorotoluene %RSE = 6.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	94055	0.2000	1.4978	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	232543	0.5000	1.4798	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	469868	1.0000	1.4570	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	956057	2.0000	1.5580	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	2333978	5.0000	1.4626	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	4694862	10.0000	1.4649	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	9384072	20.0000	1.4383	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	18525241	40.0000	1.3816	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

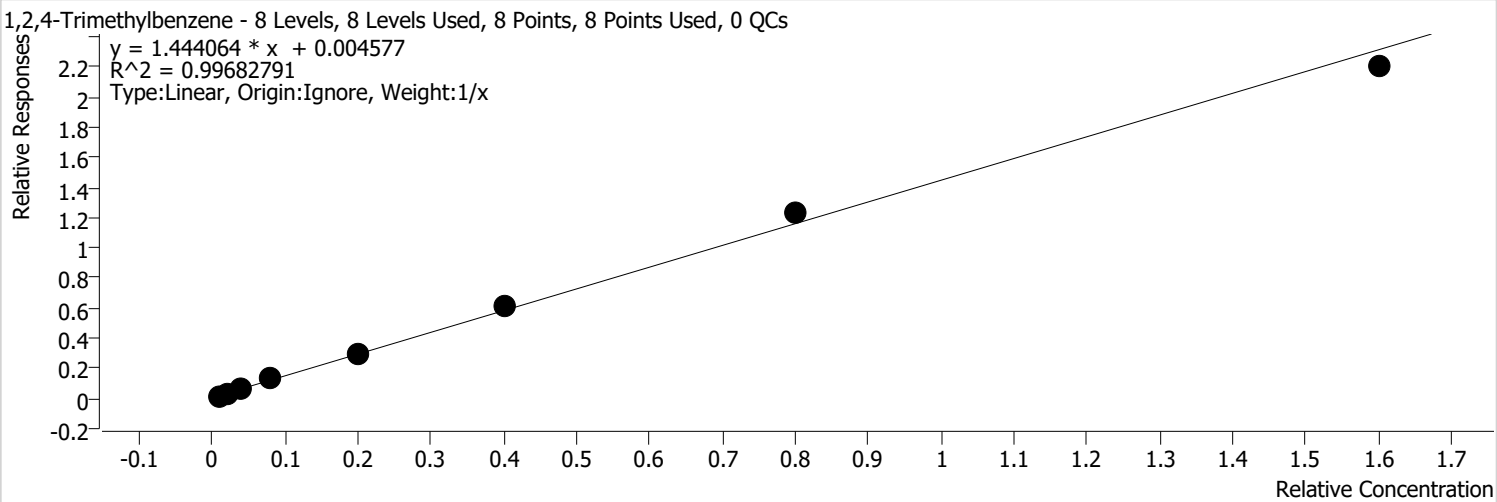
tert-Butylbenzene %RSE = 5.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	85891	0.2000	1.3678	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	213032	0.5000	1.3556	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	412654	1.0000	1.2796	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	868724	2.0000	1.4157	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	2106521	5.0000	1.3200	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	4300307	10.0000	1.3418	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	8625213	20.0000	1.3220	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	16811859	40.0000	1.2538	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

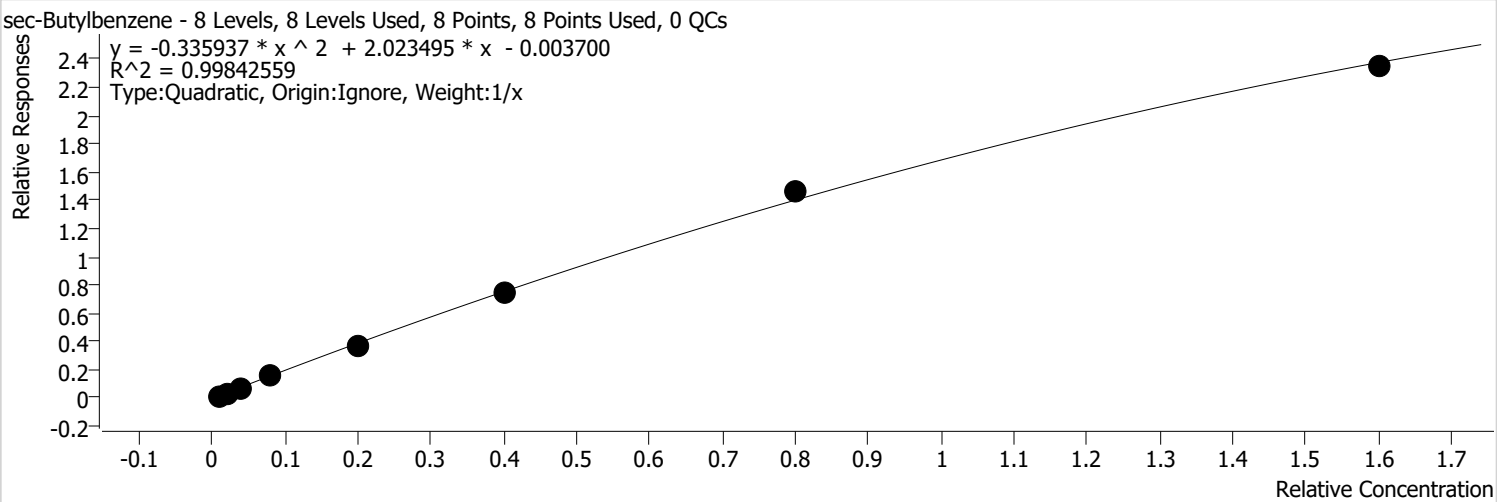
1,2,4-Trimethylbenzene %RSE = 7.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	128755	0.2000	2.0504	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	238732	0.5000	1.5192	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	469302	1.0000	1.4553	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	972596	2.0000	1.5850	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	2394287	5.0000	1.5003	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	4943066	10.0000	1.5423	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	10040801	20.0000	1.5390	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	18459034	40.0000	1.3766	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

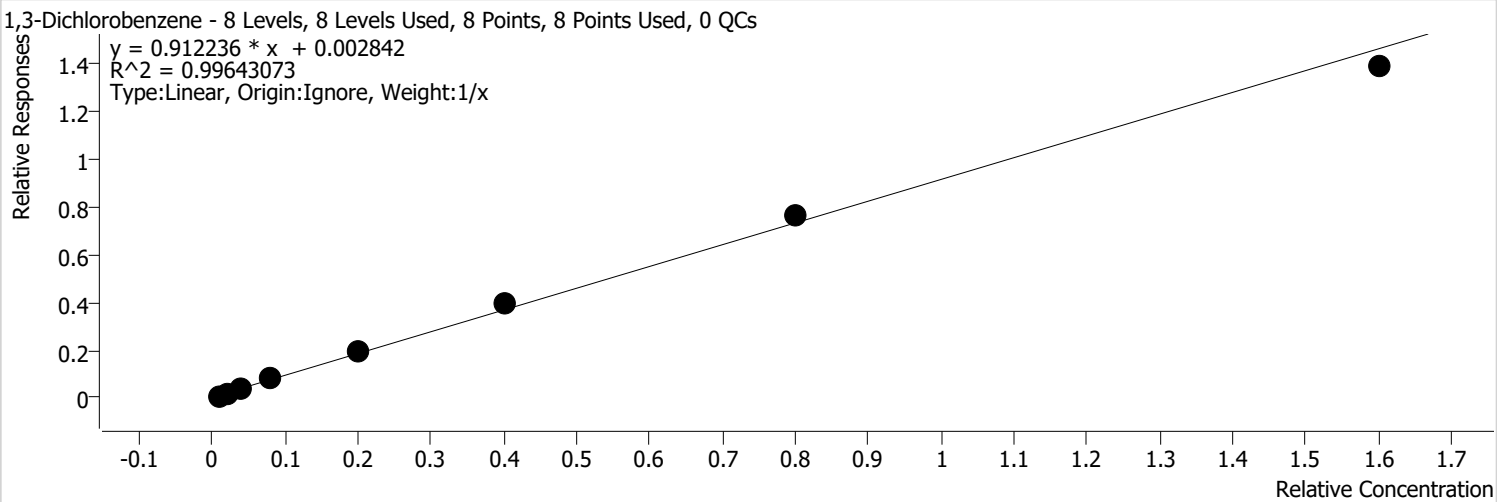
sec-Butylbenzene %RSE = 9.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	119161	0.2000	1.8976	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	276561	0.5000	1.7599	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	567680	1.0000	1.7603	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	1174604	2.0000	1.9141	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	2897992	5.0000	1.8160	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	5952658	10.0000	1.8573	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	12000703	20.0000	1.8393	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	19642634	40.0000	1.4649	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

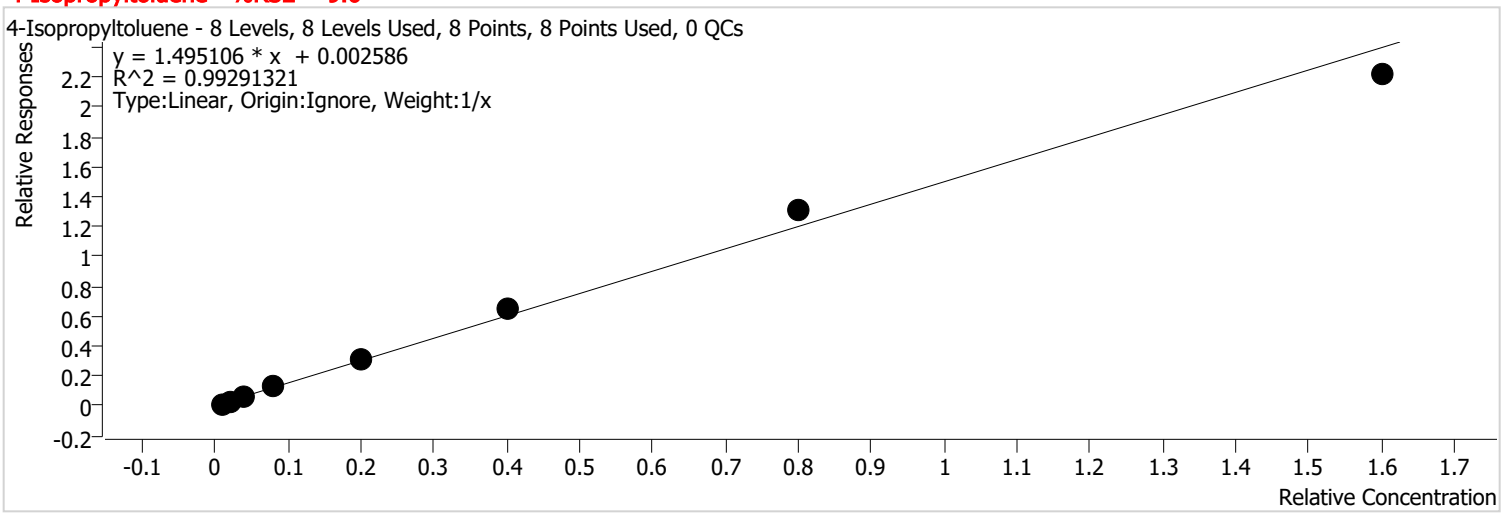
1,3-Dichlorobenzene %RSE = 13.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	53282	0.2000	1.0237	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	141517	0.5000	1.0360	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	276015	1.0000	1.0236	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	590142	2.0000	1.0645	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	1417752	5.0000	0.9741	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	2975745	10.0000	0.9856	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	6164645	20.0000	0.9538	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	12540733	40.0000	0.8671	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

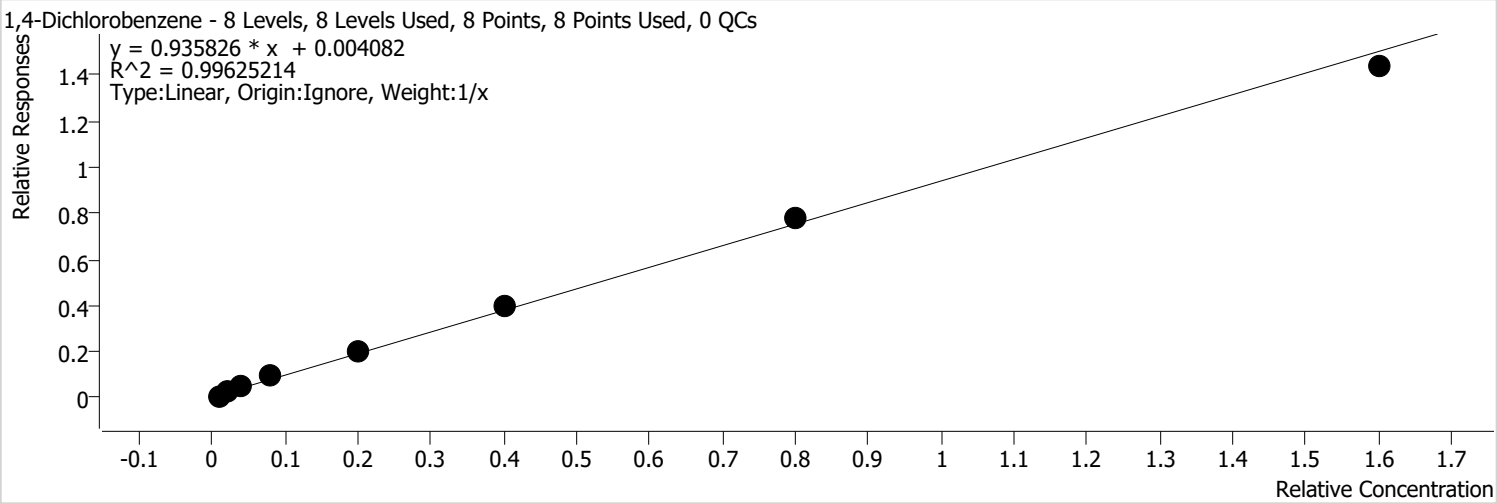
4-Isopropyltoluene %RSE = 9.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	101267	0.2000	1.6127	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	242184	0.5000	1.5411	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	482750	1.0000	1.4970	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	1015967	2.0000	1.6556	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	2512834	5.0000	1.5746	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	5234297	10.0000	1.6332	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	10679315	20.0000	1.6368	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	18551146	40.0000	1.3835	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

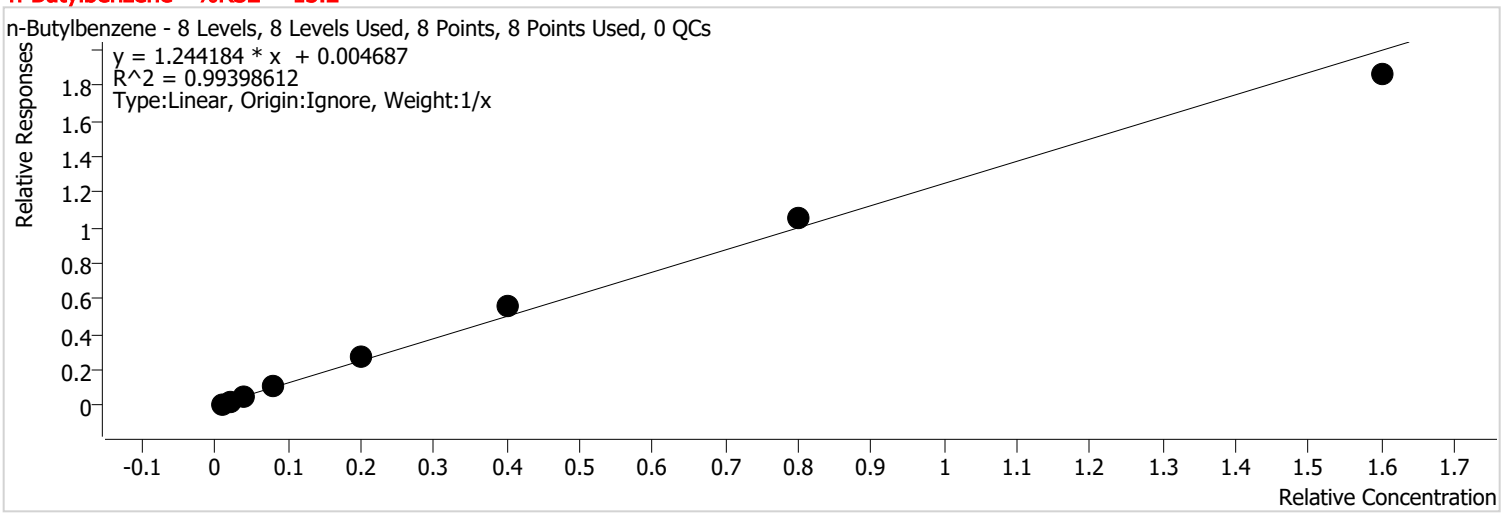
1,4-Dichlorobenzene %RSE = 20.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	54064	0.2000	1.0388	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	158981	0.5000	1.1639	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	318265	1.0000	1.1802	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	651869	2.0000	1.1758	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	1422327	5.0000	0.9772	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	2962247	10.0000	0.9811	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	6322063	20.0000	0.9781	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	12974707	40.0000	0.8971	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

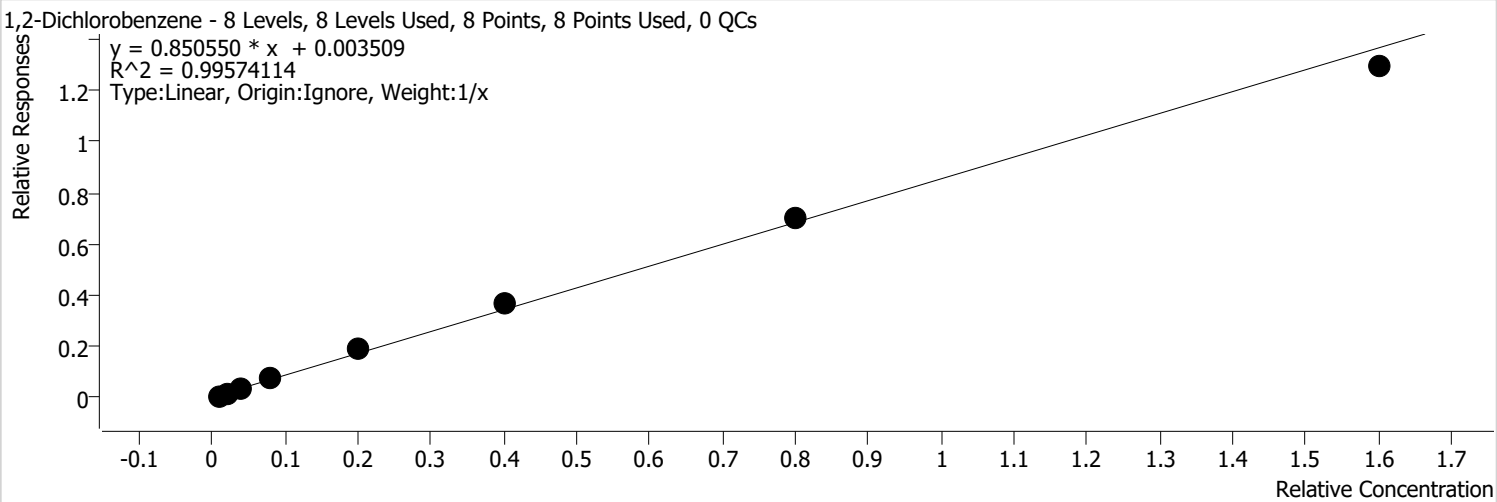
n-Butylbenzene %RSE = 13.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	78930	0.2000	1.5165	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	192604	0.5000	1.4101	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	376167	1.0000	1.3950	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	795203	2.0000	1.4344	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	1992050	5.0000	1.3687	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	4188733	10.0000	1.3874	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	8529337	20.0000	1.3197	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	16803291	40.0000	1.1618	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

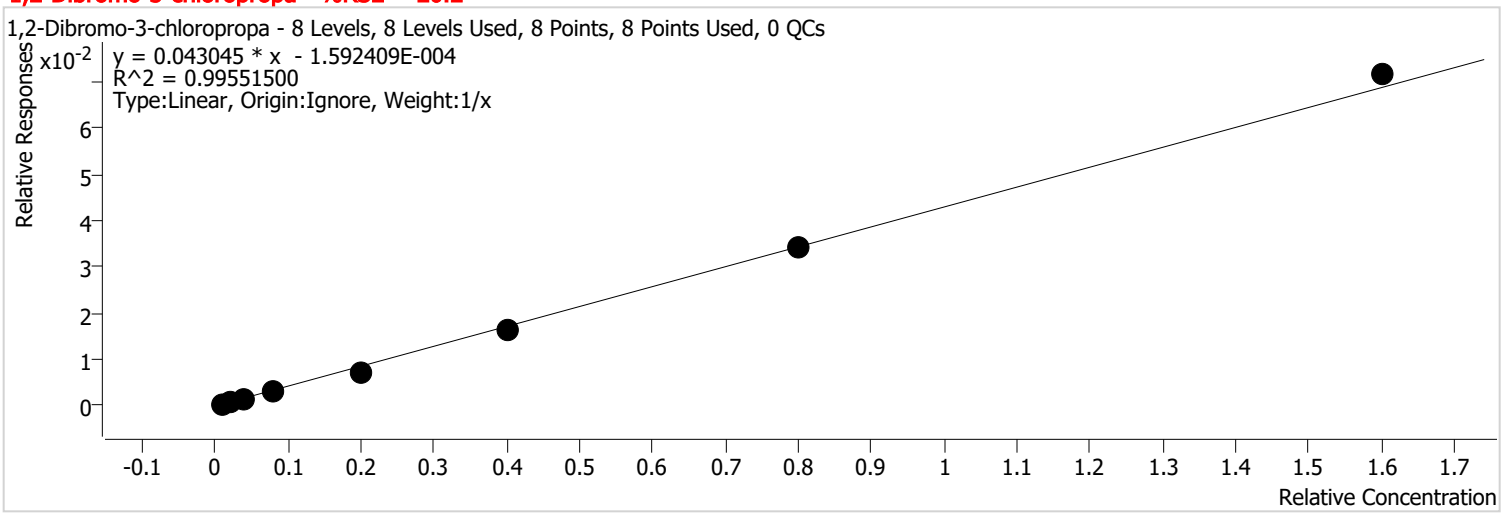
1,2-Dichlorobenzene %RSE = 14.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	54127	0.2000	1.0400	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	132473	0.5000	0.9698	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	268533	1.0000	0.9958	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	562989	2.0000	1.0155	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	1376705	5.0000	0.9459	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	2797588	10.0000	0.9266	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	5703222	20.0000	0.8824	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	11670513	40.0000	0.8069	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

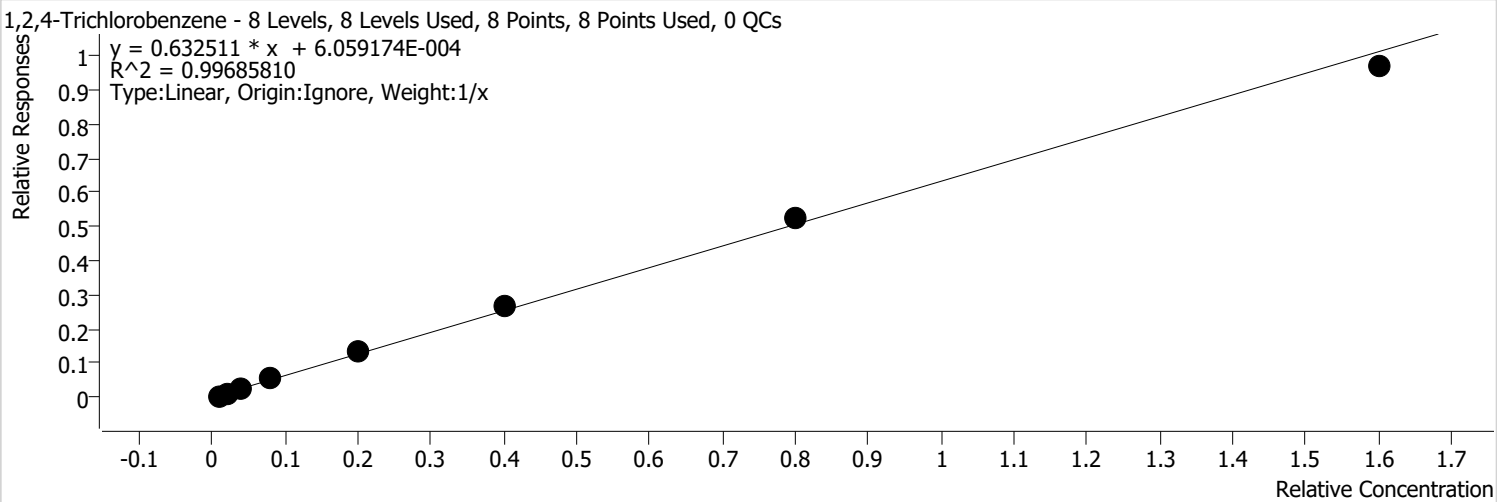
1,2-Dibromo-3-chloropropa %RSE = 20.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	2095	0.2000	0.0403	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	5282	0.5000	0.0387	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	8383	1.0000	0.0311	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	19792	2.0000	0.0357	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	51432	5.0000	0.0353	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	121924	10.0000	0.0404	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	277326	20.0000	0.0429	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	646226	40.0000	0.0447	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

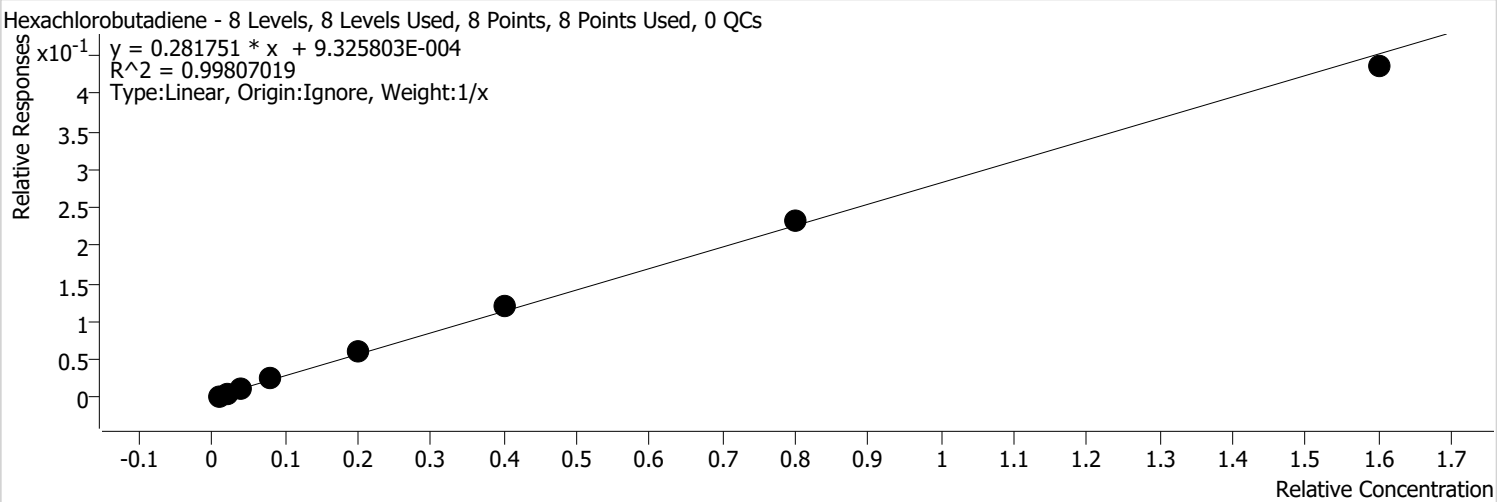
1,2,4-Trichlorobenzene %RSE = 12.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	29823	0.2000	0.5730	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	90314	0.5000	0.6612	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	163724	1.0000	0.6071	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	419689	2.0000	0.7570	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	967423	5.0000	0.6647	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	2031160	10.0000	0.6727	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	4222611	20.0000	0.6533	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	8755923	40.0000	0.6054	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

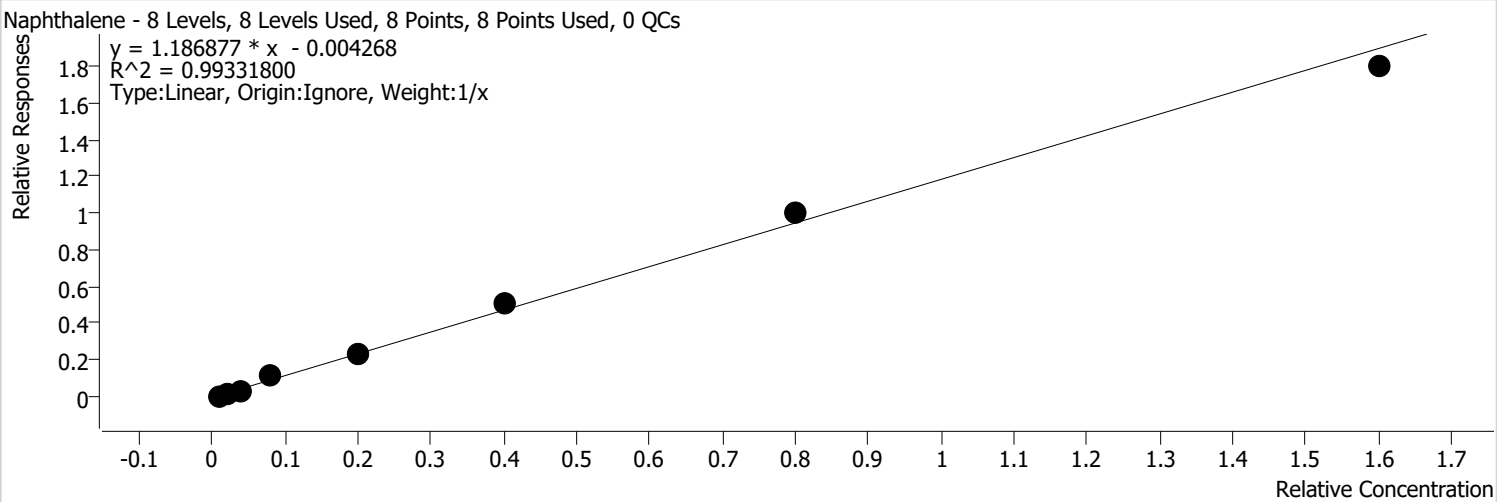
Hexachlorobutadiene %RSE = 8.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	18453	0.2000	0.3545	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	43188	0.5000	0.3162	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	84657	1.0000	0.3139	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	172977	2.0000	0.3120	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	436278	5.0000	0.2998	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	915915	10.0000	0.3034	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	1869335	20.0000	0.2892	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	3932672	40.0000	0.2719	

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Naphthalene %RSE = 17.3

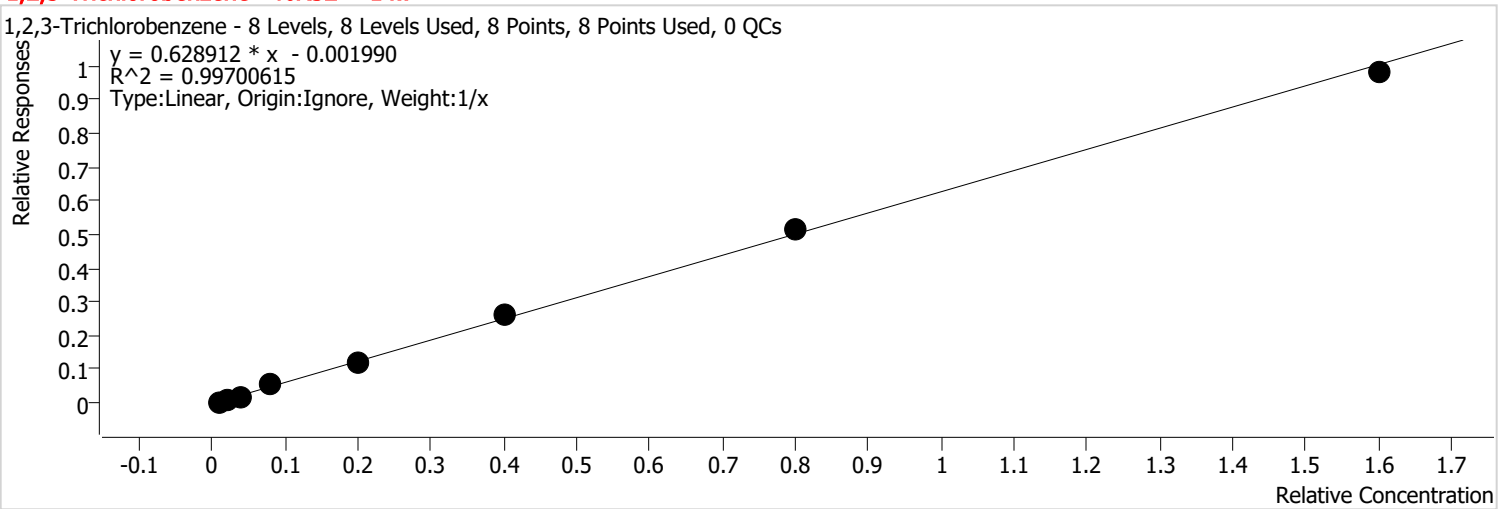


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	30864	0.2000	0.5930	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	134982	0.5000	0.9882	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	194604	1.0000	0.7217	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	804519	2.0000	1.4512	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	1666966	5.0000	1.1453	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	3873176	10.0000	1.2828	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	8037725	20.0000	1.2436	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	16231067	40.0000	1.1223	

Calibration Report

Batch Path	D:\GC-9\DATA\092821\QuantResults\VOC SOIL CAL.batch.bin		
Analysis Time	9/29/2021 12:14 PM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:15:09 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 12:04 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,2,3-Trichlorobenzene %RSE = 14.7

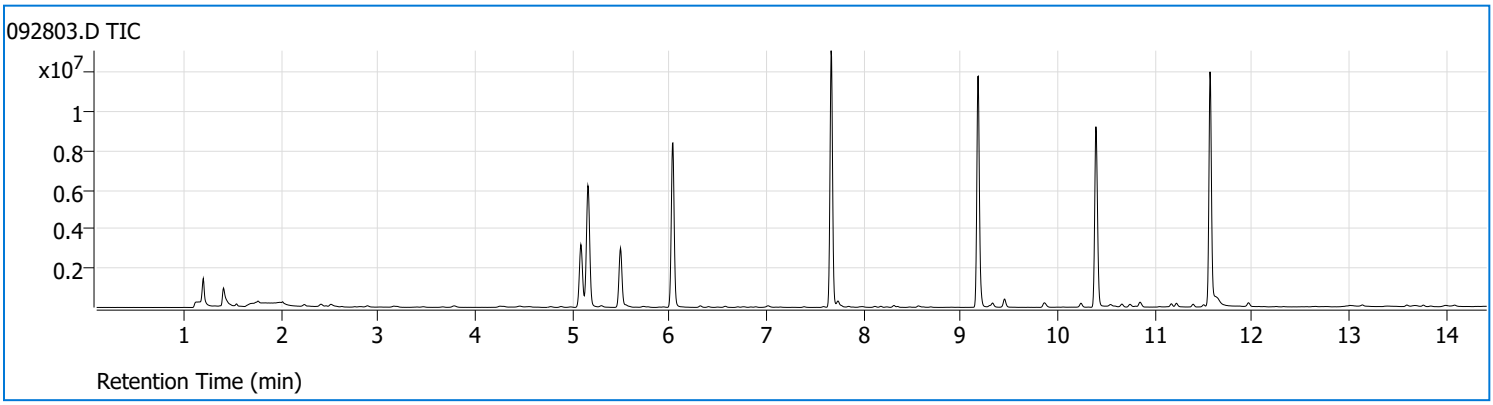


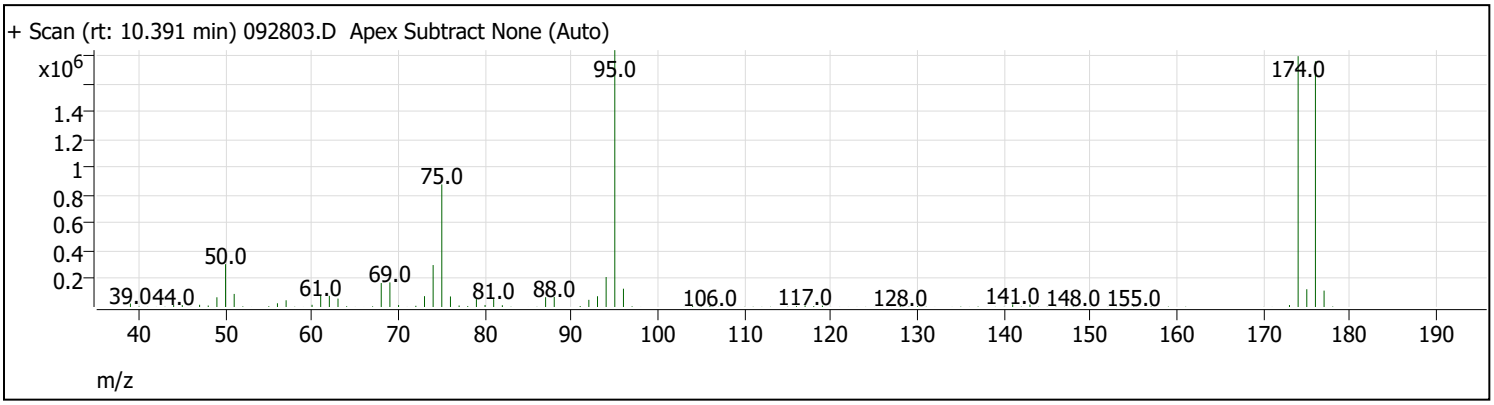
Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092803.D	Calibration	1	x	22528	0.2000	0.4328	
D:\GC-9\DATA\092821\092804.D	Calibration	2	x	72488	0.5000	0.5307	
D:\GC-9\DATA\092821\092805.D	Calibration	3	x	107073	1.0000	0.3971	
D:\GC-9\DATA\092821\092806.D	Calibration	4	x	399711	2.0000	0.7210	
D:\GC-9\DATA\092821\092807.D	Calibration	5	x	875592	5.0000	0.6016	
D:\GC-9\DATA\092821\092808.D	Calibration	6	x	1958238	10.0000	0.6486	
D:\GC-9\DATA\092821\092809.D	Calibration	7	x	4171371	20.0000	0.6454	
D:\GC-9\DATA\092821\092810.D	Calibration	8	x	8860253	40.0000	0.6126	

Tunes

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\092821\092803.D
Acq on:	9/28/2021 4:10:37 PM
Operator:	FA\GC9
Sample:	VOC SOIL CAL1 25909
Inst Name:	GC-9
ALS Vial:	2
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

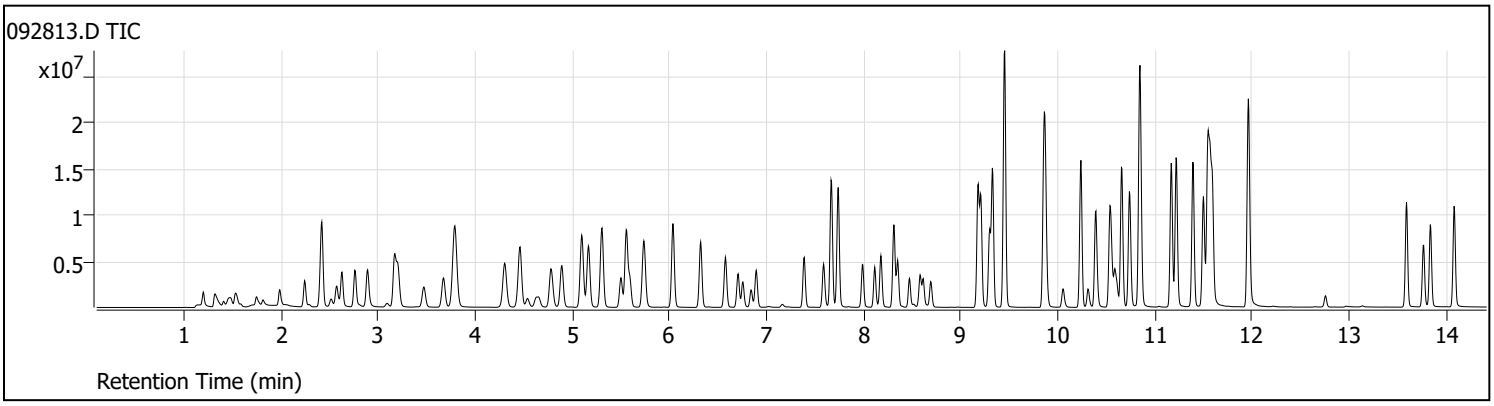


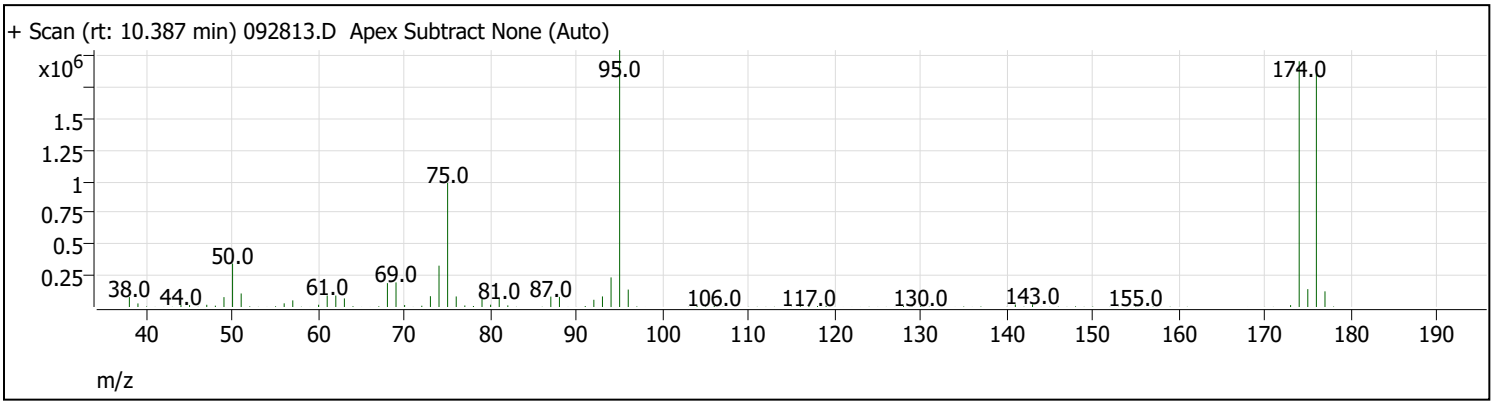


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	102.4	1841152	Pass
96	95	5	9	7.1	131136	Pass
173	174	0	2	0.8	14159	Pass
174	95	50	200	97.7	1798144	Pass
175	174	5	9	7.1	127368	Pass
176	174	95	105	97.9	1760768	Pass
177	176	5	10	6.7	117528	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\092821\092813.D
Acq on:	9/28/2021 9:20:25 PM
Operator:	FA\GC9
Sample:	ICV VOC SOIL 25964
Inst Name:	GC-9
ALS Vial:	12
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

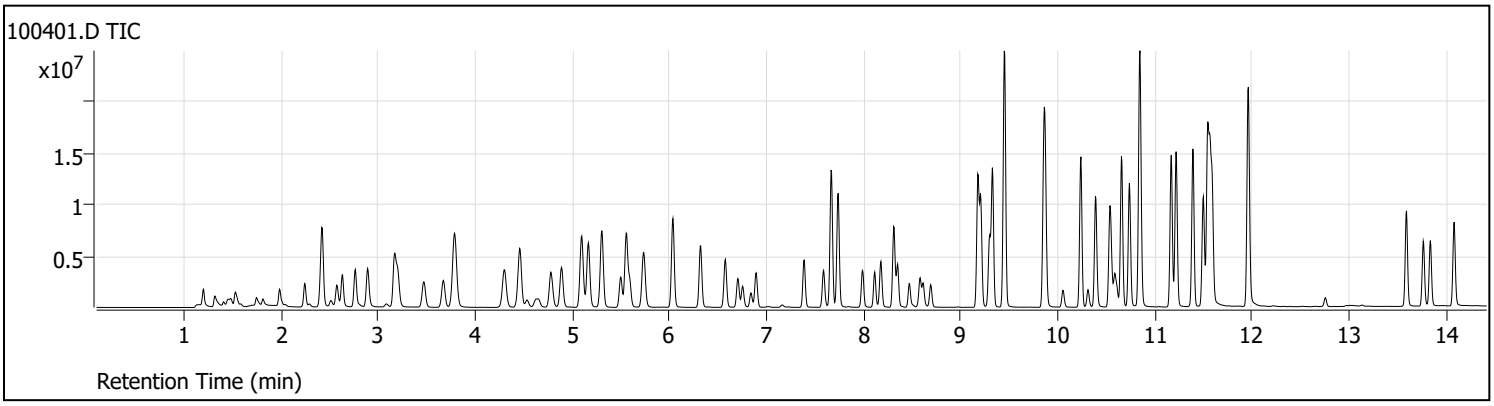


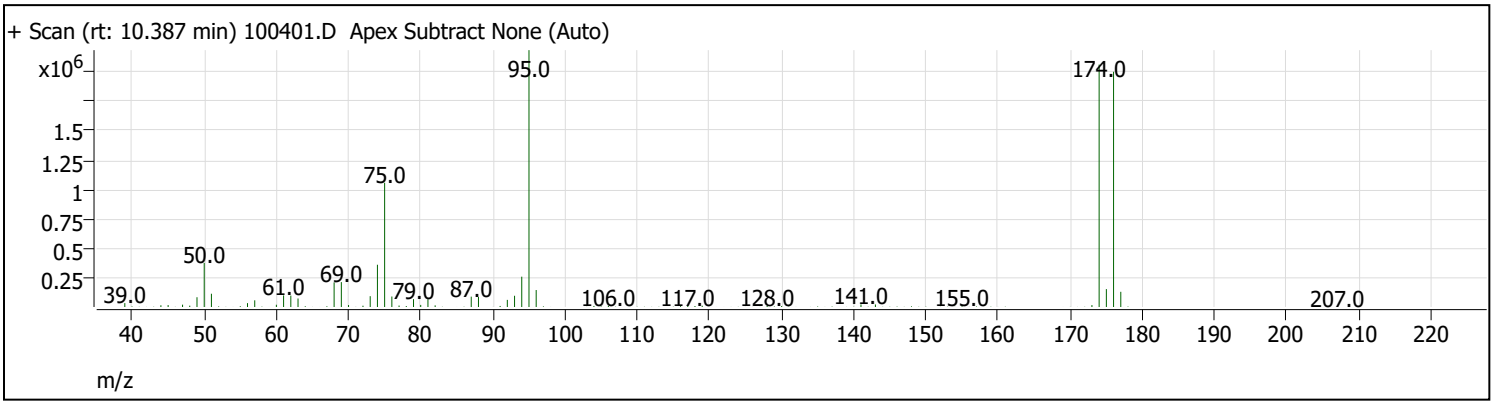


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	104.5	2048512	Pass
96	95	5	9	6.8	138880	Pass
173	174	0	2	0.8	15027	Pass
174	95	50	200	95.7	1959936	Pass
175	174	5	9	7.3	142592	Pass
176	174	95	105	98.3	1926144	Pass
177	176	5	10	6.5	124848	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\100421\100401.D
Acq on:	10/4/2021 12:29:23 PM
Operator:	FA\GC9
Sample:	CCV-33926A_LCS-33926 VOC
Inst Name:	GC-9
ALS Vial:	32
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

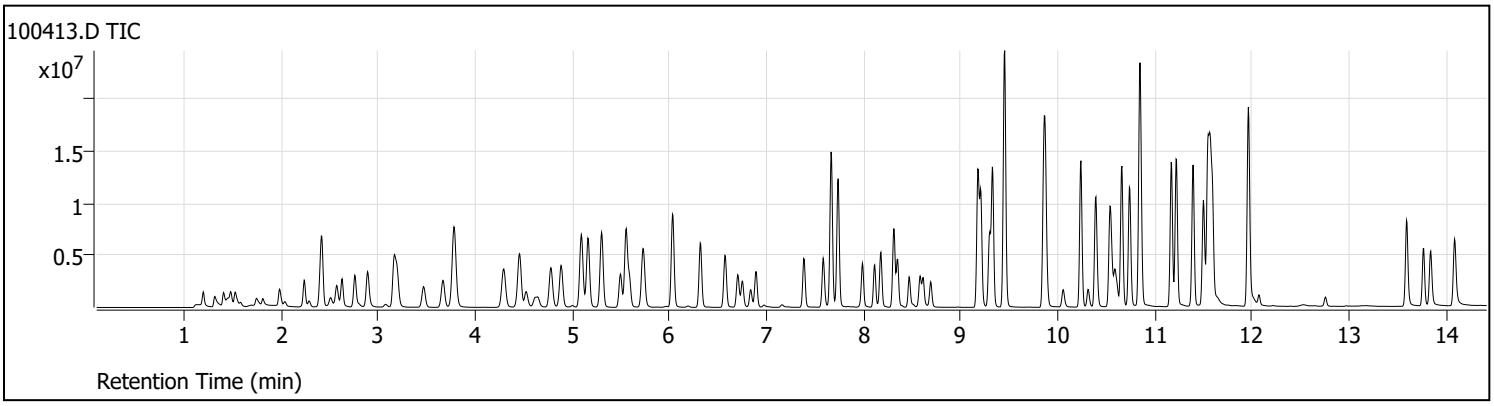


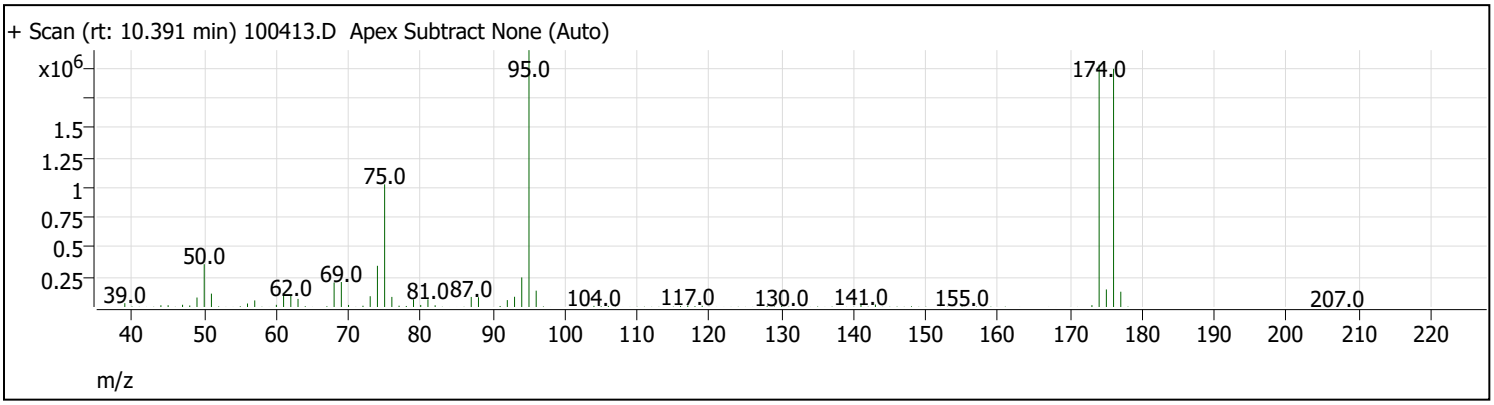


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	106.0	2184704	Pass
96	95	5	9	6.6	144384	Pass
173	174	0	2	0.8	16138	Pass
174	95	50	200	94.4	2061824	Pass
175	174	5	9	7.4	152256	Pass
176	174	95	105	97.0	2000896	Pass
177	176	5	10	6.5	129208	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\100421\100413.D
Acq on:	10/4/2021 6:41:39 PM
Operator:	FA\GC9
Sample:	MDS VOC IDC01
Inst Name:	GC-9
ALS Vial:	43
Method:	D:\MassHunter\Methods\Quant\BFB2021.m





Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	105.9	2147328	Pass
96	95	5	9	6.4	136640	Pass
173	174	0	2	0.7	15195	Pass
174	95	50	200	94.4	2027008	Pass
175	174	5	9	7.2	146688	Pass
176	174	95	105	98.2	1991168	Pass
177	176	5	10	6.4	127632	Pass

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Shannon & Wilson
Ryan Peterson
400 N. 34th Street, Suite 100
Seattle, WA 98103

RE: 8801 - Excavations
Work Order Number: 2110067

October 12, 2021

Attention Ryan Peterson:

Fremont Analytical, Inc. received 40 sample(s) on 10/5/2021 for the analyses presented in the following report.

Gasoline by NWTPH-Gx
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)
Polychlorinated Biphenyls (PCB) by EPA 8082
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CLIENT: Shannon & Wilson
Project: 8801 - Excavations
Work Order: 2110067

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110067-001	A4-SIDE16:2	10/05/2021 9:00 AM	10/05/2021 3:30 PM
2110067-002	A4-SIDE16:6	10/05/2021 9:05 AM	10/05/2021 3:30 PM
2110067-003	A4-SIDE17:2	10/05/2021 10:15 AM	10/05/2021 3:30 PM
2110067-004	A4-SIDE17:6	10/05/2021 10:17 AM	10/05/2021 3:30 PM
2110067-005	A4-SIDE18:2	10/05/2021 10:24 AM	10/05/2021 3:30 PM
2110067-006	A4-SIDE18:6	10/05/2021 10:26 AM	10/05/2021 3:30 PM
2110067-007	A4-SIDE19:2	10/05/2021 10:30 AM	10/05/2021 3:30 PM
2110067-008	A4-SIDE19:6	10/05/2021 10:33 AM	10/05/2021 3:30 PM
2110067-009	A4-SIDE20:2	10/05/2021 10:37 AM	10/05/2021 3:30 PM
2110067-010	A4-SIDE20:6	10/05/2021 10:40 AM	10/05/2021 3:30 PM
2110067-011	A6-BOT1:6	10/05/2021 11:00 AM	10/05/2021 3:30 PM
2110067-012	A6-SIDE1:2	10/05/2021 11:05 AM	10/05/2021 3:30 PM
2110067-013	A6-SIDE1:5	10/05/2021 11:08 AM	10/05/2021 3:30 PM
2110067-014	A6-SIDE2:2	10/05/2021 11:12 AM	10/05/2021 3:30 PM
2110067-015	A6-SIDE2:5	10/05/2021 11:15 AM	10/05/2021 3:30 PM
2110067-016	A6-SIDE3:2	10/05/2021 11:18 AM	10/05/2021 3:30 PM
2110067-017	A6-SIDE3:5	10/05/2021 11:20 AM	10/05/2021 3:30 PM
2110067-018	A6-SIDE4:2	10/05/2021 11:25 AM	10/05/2021 3:30 PM
2110067-019	A6-SIDE4:5	10/05/2021 11:28 AM	10/05/2021 3:30 PM
2110067-020	A4-SIDE101:2	10/05/2021 10:20 AM	10/05/2021 3:30 PM
2110067-021	A6-SIDE100:5	10/05/2021 11:22 AM	10/05/2021 3:30 PM
2110067-022	A7-SIDE1:3	10/05/2021 12:38 PM	10/05/2021 3:30 PM
2110067-023	A7-SIDE1:7	10/05/2021 12:39 PM	10/05/2021 3:30 PM
2110067-024	A7-SIDE2:3	10/05/2021 12:44 PM	10/05/2021 3:30 PM
2110067-025	A7-SIDE2:7	10/05/2021 12:45 PM	10/05/2021 3:30 PM
2110067-026	A7-SIDE3:3	10/05/2021 12:49 PM	10/05/2021 3:30 PM
2110067-027	A7-SIDE3:7	10/05/2021 12:50 PM	10/05/2021 3:30 PM
2110067-028	A7-SIDE4:3	10/05/2021 12:51 PM	10/05/2021 3:30 PM
2110067-029	A7-SIDE4:7	10/05/2021 12:52 PM	10/05/2021 3:30 PM
2110067-030	A7-SIDE100:7	10/05/2021 12:47 PM	10/05/2021 3:30 PM
2110067-031	TRIP-10052021	10/05/2021 12:00 AM	10/05/2021 3:30 PM
2110067-032	A2-SIDE13:1.5	10/05/2021 1:07 PM	10/05/2021 3:30 PM
2110067-033	A8-SIDE1:3	10/05/2021 12:00 PM	10/05/2021 3:30 PM
2110067-034	A8-SIDE1:7	10/05/2021 12:05 PM	10/05/2021 3:30 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Shannon & Wilson
Project: 8801 - Excavations
Work Order: 2110067

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110067-035	A8-SIDE2:3	10/05/2021 12:07 PM	10/05/2021 3:30 PM
2110067-036	A8-SIDE2:7	10/05/2021 12:10 PM	10/05/2021 3:30 PM
2110067-037	A8-SIDE3:3	10/05/2021 12:15 PM	10/05/2021 3:30 PM
2110067-038	A8-SIDE3:7	10/05/2021 12:17 PM	10/05/2021 3:30 PM
2110067-039	A8-SIDE4:8	10/05/2021 12:20 PM	10/05/2021 3:30 PM
2110067-040	A8-SIDE100:3	10/05/2021 12:35 PM	10/05/2021 3:30 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2110067**
Date: **10/12/2021**

CLIENT: Shannon & Wilson
Project: 8801 - Excavations

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

11/17/2021: Revision 1 includes level 2B data package.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110067-001
Client Sample ID: **A4-SIDE16:2**

Collection Date: 10/5/2021 9:00:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33967			Analyst: SB
Aroclor 1016	ND	0.0494	0.00795		mg/Kg-dry	1	10/06/21 16:15:55
Aroclor 1221	ND	0.0494	0.00795		mg/Kg-dry	1	10/06/21 16:15:55
Aroclor 1232	ND	0.0494	0.00795		mg/Kg-dry	1	10/06/21 16:15:55
Aroclor 1242	ND	0.0494	0.00795		mg/Kg-dry	1	10/06/21 16:15:55
Aroclor 1248	ND	0.0494	0.00981		mg/Kg-dry	1	10/06/21 16:15:55
Aroclor 1254	0.0219	0.0494	0.00981	J	mg/Kg-dry	1	10/06/21 16:15:55
Aroclor 1260	ND	0.0494	0.00981		mg/Kg-dry	1	10/06/21 16:15:55
Aroclor 1262	ND	0.0494	0.00981		mg/Kg-dry	1	10/06/21 16:15:55
Aroclor 1268	ND	0.0494	0.00981		mg/Kg-dry	1	10/06/21 16:15:55
Total PCBs	0.0219	0.0494	0.00981	J	mg/Kg-dry	1	10/06/21 16:15:55
Surr: Decachlorobiphenyl	53.8	20.6 - 142			%Rec	1	10/06/21 16:15:55
Surr: Tetrachloro-m-xylene	69.2	22 - 157			%Rec	1	10/06/21 16:15:55
Total Metals by EPA Method 6020B				Batch ID: 33962			Analyst: EH
Copper	66.8	4.14	0.775	D	mg/Kg-dry	5	10/08/21 19:30:51
Sample Moisture (Percent Moisture)				Batch ID: R70367			Analyst: KJ
Percent Moisture	12.5	0.500	0.100		wt%	1	10/06/21 9:40:42

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110067-002
Client Sample ID: **A4-SIDE16:6**

Collection Date: 10/5/2021 9:05:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33967			Analyst: SB
Aroclor 1016	ND	0.0518	0.00834		mg/Kg-dry	1	10/06/21 16:45:07
Aroclor 1221	ND	0.0518	0.00834		mg/Kg-dry	1	10/06/21 16:45:07
Aroclor 1232	ND	0.0518	0.00834		mg/Kg-dry	1	10/06/21 16:45:07
Aroclor 1242	ND	0.0518	0.00834		mg/Kg-dry	1	10/06/21 16:45:07
Aroclor 1248	ND	0.0518	0.0103		mg/Kg-dry	1	10/06/21 16:45:07
Aroclor 1254	0.0348	0.0518	0.0103	J	mg/Kg-dry	1	10/06/21 16:45:07
Aroclor 1260	ND	0.0518	0.0103		mg/Kg-dry	1	10/06/21 16:45:07
Aroclor 1262	ND	0.0518	0.0103		mg/Kg-dry	1	10/06/21 16:45:07
Aroclor 1268	ND	0.0518	0.0103		mg/Kg-dry	1	10/06/21 16:45:07
Total PCBs	0.0348	0.0518	0.0103	J	mg/Kg-dry	1	10/06/21 16:45:07
Surr: Decachlorobiphenyl	43.0	20.6 - 142			%Rec	1	10/06/21 16:45:07
Surr: Tetrachloro-m-xylene	61.4	22 - 157			%Rec	1	10/06/21 16:45:07
Total Metals by EPA Method 6020B				Batch ID: 33962			Analyst: EH
Copper	157	4.28	0.802	D	mg/Kg-dry	5	10/08/21 19:37:08
Sample Moisture (Percent Moisture)				Batch ID: R70367			Analyst: KJ
Percent Moisture	12.2	0.500	0.100		wt%	1	10/06/21 9:40:42

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110067-003
Client Sample ID: **A4-SIDE17:2**

Collection Date: 10/5/2021 10:15:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33967			Analyst: SB
Aroclor 1016	ND	0.0522	0.00841		mg/Kg-dry	1	10/06/21 16:54:49
Aroclor 1221	ND	0.0522	0.00841		mg/Kg-dry	1	10/06/21 16:54:49
Aroclor 1232	ND	0.0522	0.00841		mg/Kg-dry	1	10/06/21 16:54:49
Aroclor 1242	ND	0.0522	0.00841		mg/Kg-dry	1	10/06/21 16:54:49
Aroclor 1248	ND	0.0522	0.0104		mg/Kg-dry	1	10/06/21 16:54:49
Aroclor 1254	0.608	0.0522	0.0104		mg/Kg-dry	1	10/06/21 16:54:49
Aroclor 1260	ND	0.0522	0.0104		mg/Kg-dry	1	10/06/21 16:54:49
Aroclor 1262	ND	0.0522	0.0104		mg/Kg-dry	1	10/06/21 16:54:49
Aroclor 1268	ND	0.0522	0.0104		mg/Kg-dry	1	10/06/21 16:54:49
Total PCBs	0.608	0.0522	0.0104		mg/Kg-dry	1	10/06/21 16:54:49
Surr: Decachlorobiphenyl	51.1	20.6 - 142			%Rec	1	10/06/21 16:54:49
Surr: Tetrachloro-m-xylene	61.7	22 - 157			%Rec	1	10/06/21 16:54:49
Total Metals by EPA Method 6020B				Batch ID: 33962			Analyst: EH
Copper	2,580	4.26	0.796	DE	mg/Kg-dry	5	10/08/21 19:39:13
Sample Moisture (Percent Moisture)				Batch ID: R70367			Analyst: KJ
Percent Moisture	11.6	0.500	0.100		wt%	1	10/06/21 9:40:42

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110067-004
Client Sample ID: **A4-SIDE17:6**

Collection Date: 10/5/2021 10:17:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33967			Analyst: SB
Aroclor 1016	ND	0.0645	0.0104		mg/Kg-dry	1	10/06/21 17:04:33
Aroclor 1221	ND	0.0645	0.0104		mg/Kg-dry	1	10/06/21 17:04:33
Aroclor 1232	ND	0.0645	0.0104		mg/Kg-dry	1	10/06/21 17:04:33
Aroclor 1242	ND	0.0645	0.0104		mg/Kg-dry	1	10/06/21 17:04:33
Aroclor 1248	ND	0.0645	0.0128		mg/Kg-dry	1	10/06/21 17:04:33
Aroclor 1254	ND	0.0645	0.0128		mg/Kg-dry	1	10/06/21 17:04:33
Aroclor 1260	ND	0.0645	0.0128		mg/Kg-dry	1	10/06/21 17:04:33
Aroclor 1262	ND	0.0645	0.0128		mg/Kg-dry	1	10/06/21 17:04:33
Aroclor 1268	ND	0.0645	0.0128		mg/Kg-dry	1	10/06/21 17:04:33
Total PCBs	ND	0.0645	0.0128		mg/Kg-dry	1	10/06/21 17:04:33
Surr: Decachlorobiphenyl	108	20.6 - 142			%Rec	1	10/06/21 17:04:33
Surr: Tetrachloro-m-xylene	161	22 - 157		S	%Rec	1	10/06/21 17:04:33

NOTES:
S - Outlying surrogate recovery(ies) observed (high bias). Sample is non-detect; result meets QC requirements.

Total Metals by EPA Method 6020B				Batch ID: 33962			Analyst: EH
Copper	24.8	4.77	0.892	D	mg/Kg-dry	5	10/08/21 19:41:18
Sample Moisture (Percent Moisture)				Batch ID: R70367			Analyst: KJ
Percent Moisture	25.1	0.500	0.100		wt%	1	10/06/21 9:40:42

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110067-005
Client Sample ID: **A4-SIDE18:2**

Collection Date: 10/5/2021 10:24:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33967			Analyst: SB
Aroclor 1016	ND	0.0534	0.00860		mg/Kg-dry	1	10/06/21 17:14:16
Aroclor 1221	ND	0.0534	0.00860		mg/Kg-dry	1	10/06/21 17:14:16
Aroclor 1232	ND	0.0534	0.00860		mg/Kg-dry	1	10/06/21 17:14:16
Aroclor 1242	ND	0.0534	0.00860		mg/Kg-dry	1	10/06/21 17:14:16
Aroclor 1248	ND	0.0534	0.0106		mg/Kg-dry	1	10/06/21 17:14:16
Aroclor 1254	0.130	0.0534	0.0106		mg/Kg-dry	1	10/06/21 17:14:16
Aroclor 1260	ND	0.0534	0.0106		mg/Kg-dry	1	10/06/21 17:14:16
Aroclor 1262	ND	0.0534	0.0106		mg/Kg-dry	1	10/06/21 17:14:16
Aroclor 1268	ND	0.0534	0.0106		mg/Kg-dry	1	10/06/21 17:14:16
Total PCBs	0.130	0.0534	0.0106		mg/Kg-dry	1	10/06/21 17:14:16
Surr: Decachlorobiphenyl	37.2	20.6 - 142			%Rec	1	10/06/21 17:14:16
Surr: Tetrachloro-m-xylene	55.1	22 - 157			%Rec	1	10/06/21 17:14:16
Total Metals by EPA Method 6020B				Batch ID: 33962			Analyst: EH
Copper	733	4.46	0.834	D	mg/Kg-dry	5	10/08/21 19:43:23
Sample Moisture (Percent Moisture)				Batch ID: R70367			Analyst: KJ
Percent Moisture	12.3	0.500	0.100		wt%	1	10/06/21 9:40:42

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110067-006
Client Sample ID: **A4-SIDE18:6**

Collection Date: 10/5/2021 10:26:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33967			Analyst: SB
Aroclor 1016	ND	0.0603	0.00972		mg/Kg-dry	1	10/06/21 17:24:00
Aroclor 1221	ND	0.0603	0.00972		mg/Kg-dry	1	10/06/21 17:24:00
Aroclor 1232	ND	0.0603	0.00972		mg/Kg-dry	1	10/06/21 17:24:00
Aroclor 1242	ND	0.0603	0.00972		mg/Kg-dry	1	10/06/21 17:24:00
Aroclor 1248	ND	0.0603	0.0120		mg/Kg-dry	1	10/06/21 17:24:00
Aroclor 1254	ND	0.0603	0.0120		mg/Kg-dry	1	10/06/21 17:24:00
Aroclor 1260	ND	0.0603	0.0120		mg/Kg-dry	1	10/06/21 17:24:00
Aroclor 1262	ND	0.0603	0.0120		mg/Kg-dry	1	10/06/21 17:24:00
Aroclor 1268	ND	0.0603	0.0120		mg/Kg-dry	1	10/06/21 17:24:00
Total PCBs	ND	0.0603	0.0120		mg/Kg-dry	1	10/06/21 17:24:00
Surr: Decachlorobiphenyl	55.2	20.6 - 142			%Rec	1	10/06/21 17:24:00
Surr: Tetrachloro-m-xylene	57.0	22 - 157			%Rec	1	10/06/21 17:24:00
Total Metals by EPA Method 6020B				Batch ID: 33962			Analyst: EH
Copper	41.0	4.63	0.867	D	mg/Kg-dry	5	10/08/21 19:45:28
Sample Moisture (Percent Moisture)				Batch ID: R70367			Analyst: KJ
Percent Moisture	21.2	0.500	0.100		wt%	1	10/06/21 9:40:42

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110067-007
Client Sample ID: **A4-SIDE19:2**

Collection Date: 10/5/2021 10:30:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33967			Analyst: SB
Aroclor 1016	ND	0.0526	0.00847		mg/Kg-dry	1	10/06/21 17:33:47
Aroclor 1221	ND	0.0526	0.00847		mg/Kg-dry	1	10/06/21 17:33:47
Aroclor 1232	ND	0.0526	0.00847		mg/Kg-dry	1	10/06/21 17:33:47
Aroclor 1242	ND	0.0526	0.00847		mg/Kg-dry	1	10/06/21 17:33:47
Aroclor 1248	ND	0.0526	0.0104		mg/Kg-dry	1	10/06/21 17:33:47
Aroclor 1254	ND	0.0526	0.0104		mg/Kg-dry	1	10/06/21 17:33:47
Aroclor 1260	ND	0.0526	0.0104		mg/Kg-dry	1	10/06/21 17:33:47
Aroclor 1262	ND	0.0526	0.0104		mg/Kg-dry	1	10/06/21 17:33:47
Aroclor 1268	ND	0.0526	0.0104		mg/Kg-dry	1	10/06/21 17:33:47
Total PCBs	ND	0.0526	0.0104		mg/Kg-dry	1	10/06/21 17:33:47
Surr: Decachlorobiphenyl	54.0	20.6 - 142			%Rec	1	10/06/21 17:33:47
Surr: Tetrachloro-m-xylene	56.9	22 - 157			%Rec	1	10/06/21 17:33:47
Total Metals by EPA Method 6020B				Batch ID: 33962			Analyst: EH
Copper	41.3	4.22	0.791	D	mg/Kg-dry	5	10/08/21 19:51:45
Sample Moisture (Percent Moisture)				Batch ID: R70367			Analyst: KJ
Percent Moisture	13.0	0.500	0.100		wt%	1	10/06/21 9:40:42

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110067-008
Client Sample ID: **A4-SIDE19:6**

Collection Date: 10/5/2021 10:33:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33967			Analyst: SB
Aroclor 1016	ND	0.0582	0.00938		mg/Kg-dry	1	10/06/21 17:43:34
Aroclor 1221	ND	0.0582	0.00938		mg/Kg-dry	1	10/06/21 17:43:34
Aroclor 1232	ND	0.0582	0.00938		mg/Kg-dry	1	10/06/21 17:43:34
Aroclor 1242	ND	0.0582	0.00938		mg/Kg-dry	1	10/06/21 17:43:34
Aroclor 1248	ND	0.0582	0.0116		mg/Kg-dry	1	10/06/21 17:43:34
Aroclor 1254	ND	0.0582	0.0116		mg/Kg-dry	1	10/06/21 17:43:34
Aroclor 1260	ND	0.0582	0.0116		mg/Kg-dry	1	10/06/21 17:43:34
Aroclor 1262	ND	0.0582	0.0116		mg/Kg-dry	1	10/06/21 17:43:34
Aroclor 1268	ND	0.0582	0.0116		mg/Kg-dry	1	10/06/21 17:43:34
Total PCBs	ND	0.0582	0.0116		mg/Kg-dry	1	10/06/21 17:43:34
Surr: Decachlorobiphenyl	47.9	20.6 - 142			%Rec	1	10/06/21 17:43:34
Surr: Tetrachloro-m-xylene	56.1	22 - 157			%Rec	1	10/06/21 17:43:34
Total Metals by EPA Method 6020B				Batch ID: 33962			Analyst: EH
Copper	27.3	4.74	0.886	D	mg/Kg-dry	5	10/08/21 19:53:49
Sample Moisture (Percent Moisture)				Batch ID: R70367			Analyst: KJ
Percent Moisture	16.9	0.500	0.100		wt%	1	10/06/21 9:40:42

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110067-009
Client Sample ID: **A4-SIDE20:2**

Collection Date: 10/5/2021 10:37:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33967			Analyst: SB
Aroclor 1016	ND	0.0531	0.00855		mg/Kg-dry	1	10/06/21 17:53:17
Aroclor 1221	ND	0.0531	0.00855		mg/Kg-dry	1	10/06/21 17:53:17
Aroclor 1232	ND	0.0531	0.00855		mg/Kg-dry	1	10/06/21 17:53:17
Aroclor 1242	ND	0.0531	0.00855		mg/Kg-dry	1	10/06/21 17:53:17
Aroclor 1248	ND	0.0531	0.0106		mg/Kg-dry	1	10/06/21 17:53:17
Aroclor 1254	0.0121	0.0531	0.0106	J	mg/Kg-dry	1	10/06/21 17:53:17
Aroclor 1260	ND	0.0531	0.0106		mg/Kg-dry	1	10/06/21 17:53:17
Aroclor 1262	ND	0.0531	0.0106		mg/Kg-dry	1	10/06/21 17:53:17
Aroclor 1268	ND	0.0531	0.0106		mg/Kg-dry	1	10/06/21 17:53:17
Total PCBs	0.0121	0.0531	0.0106	J	mg/Kg-dry	1	10/06/21 17:53:17
Surr: Decachlorobiphenyl	63.9	20.6 - 142			%Rec	1	10/06/21 17:53:17
Surr: Tetrachloro-m-xylene	67.6	22 - 157			%Rec	1	10/06/21 17:53:17
Total Metals by EPA Method 6020B				Batch ID: 33962			Analyst: EH
Copper	34.2	3.91	0.731	D	mg/Kg-dry	5	10/08/21 19:55:54
Sample Moisture (Percent Moisture)				Batch ID: R70367			Analyst: KJ
Percent Moisture	9.85	0.500	0.100		wt%	1	10/06/21 9:40:42

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110067-010
Client Sample ID: **A4-SIDE20:6**

Collection Date: 10/5/2021 10:40:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33967			Analyst: SB
Aroclor 1016	ND	0.0539	0.00869		mg/Kg-dry	1	10/06/21 18:03:00
Aroclor 1221	ND	0.0539	0.00869		mg/Kg-dry	1	10/06/21 18:03:00
Aroclor 1232	ND	0.0539	0.00869		mg/Kg-dry	1	10/06/21 18:03:00
Aroclor 1242	ND	0.0539	0.00869		mg/Kg-dry	1	10/06/21 18:03:00
Aroclor 1248	ND	0.0539	0.0107		mg/Kg-dry	1	10/06/21 18:03:00
Aroclor 1254	0.0473	0.0539	0.0107	J	mg/Kg-dry	1	10/06/21 18:03:00
Aroclor 1260	ND	0.0539	0.0107		mg/Kg-dry	1	10/06/21 18:03:00
Aroclor 1262	ND	0.0539	0.0107		mg/Kg-dry	1	10/06/21 18:03:00
Aroclor 1268	ND	0.0539	0.0107		mg/Kg-dry	1	10/06/21 18:03:00
Total PCBs	0.0473	0.0539	0.0107	J	mg/Kg-dry	1	10/06/21 18:03:00
Surr: Decachlorobiphenyl	58.2	20.6 - 142			%Rec	1	10/06/21 18:03:00
Surr: Tetrachloro-m-xylene	75.3	22 - 157			%Rec	1	10/06/21 18:03:00
Total Metals by EPA Method 6020B				Batch ID: 33962			Analyst: EH
Copper	560	4.16	0.779	D	mg/Kg-dry	5	10/08/21 19:57:59
Sample Moisture (Percent Moisture)				Batch ID: R70367			Analyst: KJ
Percent Moisture	11.6	0.500	0.100		wt%	1	10/06/21 9:40:42

Client: Shannon & Wilson
Collection Date: 10/5/2021 11:00:00 AM
Project: 8801 - Excavations
Lab ID: 2110067-011
Matrix: Soil
Client Sample ID: **A6-BOT1:6**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33963			Analyst: EH
Arsenic	0.876	0.468	0.157	D	mg/Kg-dry	5	10/12/21 0:35:56
Sample Moisture (Percent Moisture)				Batch ID: R70393			Analyst: OK
Percent Moisture	6.43	0.500	0.100		wt%	1	10/07/21 10:03:00

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110067-012
Client Sample ID: **A6-SIDE1:2**

Collection Date: 10/5/2021 11:05:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33963			Analyst: EH
Arsenic	2.62	0.461	0.154	D	mg/Kg-dry	5	10/12/21 0:41:30
Sample Moisture (Percent Moisture)				Batch ID: R70393			Analyst: OK
Percent Moisture	5.61	0.500	0.100		wt%	1	10/07/21 10:03:00

Client: Shannon & Wilson
Collection Date: 10/5/2021 11:08:00 AM
Project: 8801 - Excavations
Lab ID: 2110067-013
Matrix: Soil
Client Sample ID: **A6-SIDE1:5**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33963			Analyst: EH
Arsenic	6.56	0.0995	0.0333		mg/Kg-dry	1	10/12/21 0:13:38
Sample Moisture (Percent Moisture)				Batch ID: R70393			Analyst: OK
Percent Moisture	4.26	0.500	0.100		wt%	1	10/07/21 10:03:00

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110067-014
Client Sample ID: **A6-SIDE2:2**

Collection Date: 10/5/2021 11:12:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33963			Analyst: EH
Arsenic	3.38	0.570	0.191	D	mg/Kg-dry	5	10/12/21 0:47:05
Sample Moisture (Percent Moisture)				Batch ID: R70393			Analyst: OK
Percent Moisture	20.3	0.500	0.100		wt%	1	10/07/21 10:03:00

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Collection Date: 10/5/2021 11:15:00 AM
Project: 8801 - Excavations
Lab ID: 2110067-015
Matrix: Soil
Client Sample ID: **A6-SIDE2:5**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33963			Analyst: EH
Arsenic	2.71	0.480	0.161	D	mg/Kg-dry	5	10/12/21 0:52:39
Sample Moisture (Percent Moisture)				Batch ID: R70393			Analyst: OK
Percent Moisture	3.78	0.500	0.100		wt%	1	10/07/21 10:03:00

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Collection Date: 10/5/2021 11:18:00 AM
Project: 8801 - Excavations
Lab ID: 2110067-016
Matrix: Soil
Client Sample ID: **A6-SIDE3:2**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33963			Analyst: EH
Arsenic	72.3	0.525	0.176	D	mg/Kg-dry	5	10/12/21 0:58:13
Sample Moisture (Percent Moisture)				Batch ID: R70393			Analyst: OK
Percent Moisture	18.4	0.500	0.100		wt%	1	10/07/21 10:03:00

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110067-017
Client Sample ID: **A6-SIDE3:5**

Collection Date: 10/5/2021 11:20:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33963			Analyst: EH
Arsenic	3.24	0.472	0.158	D	mg/Kg-dry	5	10/12/21 1:03:47
Sample Moisture (Percent Moisture)				Batch ID: R70393			Analyst: OK
Percent Moisture	9.76	0.500	0.100		wt%	1	10/07/21 10:03:00

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Collection Date: 10/5/2021 11:25:00 AM
Project: 8801 - Excavations
Lab ID: 2110067-018
Matrix: Soil
Client Sample ID: **A6-SIDE4:2**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33963			Analyst: EH
Arsenic	8.16	0.474	0.159	D	mg/Kg-dry	5	10/12/21 1:09:21
Sample Moisture (Percent Moisture)				Batch ID: R70393			Analyst: OK
Percent Moisture	9.02	0.500	0.100		wt%	1	10/07/21 10:03:00

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110067-019
Client Sample ID: **A6-SIDE4:5**

Collection Date: 10/5/2021 11:28:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33963			Analyst: EH
Arsenic	8.10	0.528	0.177	D	mg/Kg-dry	5	10/12/21 1:14:55
Sample Moisture (Percent Moisture)				Batch ID: R70393			Analyst: OK
Percent Moisture	14.6	0.500	0.100		wt%	1	10/07/21 10:03:00

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110067-020
Client Sample ID: **A4-SIDE101:2**

Collection Date: 10/5/2021 10:20:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 33967			Analyst: SB
Aroclor 1016	ND	0.0562	0.00906		mg/Kg-dry	1	10/06/21 18:12:44
Aroclor 1221	ND	0.0562	0.00906		mg/Kg-dry	1	10/06/21 18:12:44
Aroclor 1232	ND	0.0562	0.00906		mg/Kg-dry	1	10/06/21 18:12:44
Aroclor 1242	ND	0.0562	0.00906		mg/Kg-dry	1	10/06/21 18:12:44
Aroclor 1248	ND	0.0562	0.0112		mg/Kg-dry	1	10/06/21 18:12:44
Aroclor 1254	0.462	0.0562	0.0112		mg/Kg-dry	1	10/06/21 18:12:44
Aroclor 1260	ND	0.0562	0.0112		mg/Kg-dry	1	10/06/21 18:12:44
Aroclor 1262	ND	0.0562	0.0112		mg/Kg-dry	1	10/06/21 18:12:44
Aroclor 1268	ND	0.0562	0.0112		mg/Kg-dry	1	10/06/21 18:12:44
Total PCBs	0.462	0.0562	0.0112		mg/Kg-dry	1	10/06/21 18:12:44
Surr: Decachlorobiphenyl	76.2	20.6 - 142			%Rec	1	10/06/21 18:12:44
Surr: Tetrachloro-m-xylene	81.3	22 - 157			%Rec	1	10/06/21 18:12:44
Total Metals by EPA Method 6020B				Batch ID: 33963			Analyst: EH
Copper	1,910	9.54	1.78	D	mg/Kg-dry	10	10/08/21 20:48:03
Sample Moisture (Percent Moisture)				Batch ID: R70367			Analyst: KJ
Percent Moisture	20.6	0.500	0.100		wt%	1	10/06/21 9:40:42

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Collection Date: 10/5/2021 11:22:00 AM
Project: 8801 - Excavations
Lab ID: 2110067-021
Matrix: Soil
Client Sample ID: **A6-SIDE100:5**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 33963			Analyst: EH
Arsenic	2.76	0.508	0.170	D	mg/Kg-dry	5	10/12/21 1:26:03
Sample Moisture (Percent Moisture)				Batch ID: R70393			Analyst: OK
Percent Moisture	9.85	0.500	0.100		wt%	1	10/07/21 10:03:00

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Collection Date: 10/5/2021 12:38:00 PM
Project: 8801 - Excavations
Lab ID: 2110067-022
Matrix: Soil
Client Sample ID: **A7-SIDE1:3**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 33960			Analyst: CR
Gasoline	ND	5.64	2.25		mg/Kg-dry	1	10/06/21 12:04:32
Gasoline Range Organics (C6-C12)	67.1	5.64	0.867		mg/Kg-dry	1	10/06/21 12:04:32
Surr: Toluene-d8	98.7	65 - 135			%Rec	1	10/06/21 12:04:32
Surr: 4-Bromofluorobenzene	104	65 - 135			%Rec	1	10/06/21 12:04:32

NOTES:
GRO - Indicates the presence of unresolved compounds in the gasoline range.

Sample Moisture (Percent Moisture)				Batch ID: R70393			Analyst: OK
Percent Moisture	3.30	0.500	0.100		wt%	1	10/07/21 10:03:00

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110067-023
Client Sample ID: **A7-SIDE1:7**

Collection Date: 10/5/2021 12:39:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 33960			Analyst: CR
Gasoline	3.17	5.56	2.22	J	mg/Kg-dry	1	10/06/21 12:35:38
Surr: Toluene-d8	99.0	65 - 135			%Rec	1	10/06/21 12:35:38
Surr: 4-Bromofluorobenzene	102	65 - 135			%Rec	1	10/06/21 12:35:38
Sample Moisture (Percent Moisture)				Batch ID: R70393			Analyst: OK
Percent Moisture	5.20	0.500	0.100		wt%	1	10/07/21 10:03:00

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110067-024
Client Sample ID: **A7-SIDE2:3**

Collection Date: 10/5/2021 12:44:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 33960			Analyst: CR
Gasoline	ND	5.83	2.33		mg/Kg-dry	1	10/06/21 15:11:03
Surr: Toluene-d8	99.8	65 - 135			%Rec	1	10/06/21 15:11:03
Surr: 4-Bromofluorobenzene	101	65 - 135			%Rec	1	10/06/21 15:11:03
Sample Moisture (Percent Moisture)				Batch ID: R70393			Analyst: OK
Percent Moisture	4.24	0.500	0.100		wt%	1	10/07/21 10:03:00

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Collection Date: 10/5/2021 12:45:00 PM
Project: 8801 - Excavations
Lab ID: 2110067-025
Matrix: Soil
Client Sample ID: **A7-SIDE2:7**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 33960			Analyst: CR
Gasoline	ND	6.74	2.69		mg/Kg-dry	1	10/06/21 15:42:09
Surr: Toluene-d8	99.8	65 - 135			%Rec	1	10/06/21 15:42:09
Surr: 4-Bromofluorobenzene	100	65 - 135			%Rec	1	10/06/21 15:42:09
Sample Moisture (Percent Moisture)				Batch ID: R70393			Analyst: OK
Percent Moisture	11.1	0.500	0.100		wt%	1	10/07/21 10:03:00

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Collection Date: 10/5/2021 12:49:00 PM
Project: 8801 - Excavations
Lab ID: 2110067-026
Matrix: Soil
Client Sample ID: **A7-SIDE3:3**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 33960			Analyst: CR
Gasoline	ND	6.42	2.57		mg/Kg-dry	1	10/06/21 16:13:22
Surr: Toluene-d8	99.3	65 - 135			%Rec	1	10/06/21 16:13:22
Surr: 4-Bromofluorobenzene	101	65 - 135			%Rec	1	10/06/21 16:13:22
Sample Moisture (Percent Moisture)				Batch ID: R70393			Analyst: OK
Percent Moisture	8.90	0.500	0.100		wt%	1	10/07/21 10:03:00

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Collection Date: 10/5/2021 12:50:00 PM
Project: 8801 - Excavations
Lab ID: 2110067-027
Matrix: Soil
Client Sample ID: **A7-SIDE3:7**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 33960			Analyst: CR
Gasoline	ND	6.09	2.43		mg/Kg-dry	1	10/06/21 16:44:33
Surr: Toluene-d8	99.7	65 - 135			%Rec	1	10/06/21 16:44:33
Surr: 4-Bromofluorobenzene	101	65 - 135			%Rec	1	10/06/21 16:44:33
Sample Moisture (Percent Moisture)				Batch ID: R70393			Analyst: OK
Percent Moisture	5.83	0.500	0.100		wt%	1	10/07/21 10:03:00

Client: Shannon & Wilson
Collection Date: 10/5/2021 12:51:00 PM
Project: 8801 - Excavations
Lab ID: 2110067-028
Matrix: Soil
Client Sample ID: **A7-SIDE4:3**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 33960			Analyst: CR
Gasoline	ND	7.00	2.80		mg/Kg-dry	1	10/06/21 17:15:40
Gasoline Range Organics (C6-C12)	23.8	7.00	1.08		mg/Kg-dry	1	10/06/21 17:15:40
Surr: Toluene-d8	99.9	65 - 135			%Rec	1	10/06/21 17:15:40
Surr: 4-Bromofluorobenzene	101	65 - 135			%Rec	1	10/06/21 17:15:40

NOTES:
Gasoline Range Organics - Chromatographic pattern indicates that detection is due to a single non-target compound.

Sample Moisture (Percent Moisture)				Batch ID: R70393			Analyst: OK
Percent Moisture	10.0	0.500	0.100		wt%	1	10/07/21 10:03:00

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Collection Date: 10/5/2021 12:52:00 PM
Project: 8801 - Excavations
Lab ID: 2110067-029
Matrix: Soil
Client Sample ID: **A7-SIDE4:7**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 33960			Analyst: CR
Gasoline	3.30	4.78	1.91	J	mg/Kg-dry	1	10/06/21 17:46:51
Surr: Toluene-d8	99.2	65 - 135			%Rec	1	10/06/21 17:46:51
Surr: 4-Bromofluorobenzene	100	65 - 135			%Rec	1	10/06/21 17:46:51
Sample Moisture (Percent Moisture)				Batch ID: R70393			Analyst: OK
Percent Moisture	5.08	0.500	0.100		wt%	1	10/07/21 10:03:00

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Collection Date: 10/5/2021 12:47:00 PM
Project: 8801 - Excavations
Lab ID: 2110067-030
Matrix: Soil
Client Sample ID: **A7-SIDE100:7**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 33960			Analyst: CR
Gasoline	ND	7.57	3.03		mg/Kg-dry	1	10/06/21 18:17:53
Surr: Toluene-d8	99.5	65 - 135			%Rec	1	10/06/21 18:17:53
Surr: 4-Bromofluorobenzene	106	65 - 135			%Rec	1	10/06/21 18:17:53
Sample Moisture (Percent Moisture)				Batch ID: R70393			Analyst: OK
Percent Moisture	11.2	0.500	0.100		wt%	1	10/07/21 10:03:00

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Collection Date: 10/5/2021
Project: 8801 - Excavations
Lab ID: 2110067-031
Matrix: Soil
Client Sample ID: **TRIP-10052021**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 33960			Analyst: CR
Gasoline	ND	5.00	2.00		mg/Kg	1	10/06/21 10:00:45
Surr: Toluene-d8	98.7	65 - 135			%Rec	1	10/06/21 10:00:45
Surr: 4-Bromofluorobenzene	101	65 - 135			%Rec	1	10/06/21 10:00:45

Client: Shannon & Wilson
Collection Date: 10/5/2021 1:07:00 PM
Project: 8801 - Excavations
Lab ID: 2110067-032
Matrix: Soil
Client Sample ID: **A2-SIDE13:1.5**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33977			Analyst: SB
Benz(a)anthracene	148	19.3	2.43		µg/Kg-dry	1	10/07/21 14:04:02
Chrysene	148	38.7	7.01		µg/Kg-dry	1	10/07/21 14:04:02
Benzo(b)fluoranthene	114	19.3	2.09		µg/Kg-dry	1	10/07/21 14:04:02
Benzo(k)fluoranthene	112	19.3	2.62		µg/Kg-dry	1	10/07/21 14:04:02
Benzo(a)pyrene	159	19.3	2.17		µg/Kg-dry	1	10/07/21 14:04:02
Indeno(1,2,3-cd)pyrene	85.3	38.7	6.90		µg/Kg-dry	1	10/07/21 14:04:02
Dibenz(a,h)anthracene	39.0	38.7	8.45		µg/Kg-dry	1	10/07/21 14:04:02
Surr: 2-Fluorobiphenyl	63.0	27.9 - 129			%Rec	1	10/07/21 14:04:02
Surr: Terphenyl-d14 (surr)	75.6	39.1 - 145	0		%Rec	1	10/07/21 14:04:02
Sample Moisture (Percent Moisture)				Batch ID: R70389			Analyst: KJ
Percent Moisture	11.7	0.500	0.100		wt%	1	10/07/21 9:17:17

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110067-033
Client Sample ID: **A8-SIDE1:3**

Collection Date: 10/5/2021 12:00:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 33960			Analyst: CR
Gasoline	ND	5.70	2.28		mg/Kg-dry	1	10/06/21 18:48:51
Surr: Toluene-d8	98.6	65 - 135			%Rec	1	10/06/21 18:48:51
Surr: 4-Bromofluorobenzene	103	65 - 135			%Rec	1	10/06/21 18:48:51
Sample Moisture (Percent Moisture)				Batch ID: R70470			Analyst: OK
Percent Moisture	4.77	0.500	0.100		wt%	1	10/11/21 12:51:17

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Collection Date: 10/5/2021 12:05:00 PM
Project: 8801 - Excavations
Lab ID: 2110067-034
Matrix: Soil
Client Sample ID: **A8-SIDE1:7**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 33960			Analyst: CR
Gasoline	ND	4.78	1.91		mg/Kg-dry	1	10/06/21 19:19:47
Gasoline Range Organics (C6-C12)	26.3	4.78	0.736		mg/Kg-dry	1	10/06/21 19:19:47
Surr: Toluene-d8	97.7	65 - 135			%Rec	1	10/06/21 19:19:47
Surr: 4-Bromofluorobenzene	105	65 - 135			%Rec	1	10/06/21 19:19:47

NOTES:
GRO - Indicates the presence of unresolved compounds in the gasoline range.

Sample Moisture (Percent Moisture)				Batch ID: R70470			Analyst: OK
Percent Moisture	24.9	0.500	0.100		wt%	1	10/11/21 12:51:17

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110067-035
Client Sample ID: **A8-SIDE2:3**

Collection Date: 10/5/2021 12:07:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 33960			Analyst: CR
Gasoline	5.79	8.01	3.20	J	mg/Kg-dry	1	10/06/21 19:50:44
Surr: Toluene-d8	99.2	65 - 135			%Rec	1	10/06/21 19:50:44
Surr: 4-Bromofluorobenzene	103	65 - 135			%Rec	1	10/06/21 19:50:44
Sample Moisture (Percent Moisture)				Batch ID: R70470			Analyst: OK
Percent Moisture	6.74	0.500	0.100		wt%	1	10/11/21 12:51:17

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Collection Date: 10/5/2021 12:10:00 PM
Project: 8801 - Excavations
Lab ID: 2110067-036
Matrix: Soil
Client Sample ID: **A8-SIDE2:7**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 33960			Analyst: CR
Gasoline	1,870	494	197	D	mg/Kg-dry	100	10/07/21 18:03:57
Surr: Toluene-d8	101	65 - 135		D	%Rec	100	10/07/21 18:03:57
Surr: 4-Bromofluorobenzene	101	65 - 135		D	%Rec	100	10/07/21 18:03:57
Sample Moisture (Percent Moisture)				Batch ID: R70470			Analyst: OK
Percent Moisture	21.8	0.500	0.100		wt%	1	10/11/21 12:51:17

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Collection Date: 10/5/2021 12:15:00 PM
Project: 8801 - Excavations
Lab ID: 2110067-037
Matrix: Soil
Client Sample ID: **A8-SIDE3:3**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 33960			Analyst: CR
Gasoline	ND	6.02	2.41		mg/Kg-dry	1	10/07/21 16:30:43
Gasoline Range Organics (C6-C12)	22.9	6.02	0.927		mg/Kg-dry	1	10/07/21 16:30:43
Surr: Toluene-d8	97.6	65 - 135			%Rec	1	10/07/21 16:30:43
Surr: 4-Bromofluorobenzene	103	65 - 135			%Rec	1	10/07/21 16:30:43

NOTES:
Gasoline Range Organics - Chromatographic pattern indicates that detection is due to a single non-target compound.

Sample Moisture (Percent Moisture)				Batch ID: R70470			Analyst: OK
Percent Moisture	4.17	0.500	0.100		wt%	1	10/11/21 12:51:17

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Collection Date: 10/5/2021 12:17:00 PM
Project: 8801 - Excavations
Lab ID: 2110067-038
Matrix: Soil
Client Sample ID: **A8-SIDE3:7**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 33960			Analyst: CR
Gasoline	5.33	7.58	3.03	J	mg/Kg-dry	1	10/07/21 17:01:54
Surr: Toluene-d8	101	65 - 135			%Rec	1	10/07/21 17:01:54
Surr: 4-Bromofluorobenzene	101	65 - 135			%Rec	1	10/07/21 17:01:54
Sample Moisture (Percent Moisture)				Batch ID: R70470			Analyst: OK
Percent Moisture	28.1	0.500	0.100		wt%	1	10/11/21 12:51:17

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Collection Date: 10/5/2021 12:20:00 PM
Project: 8801 - Excavations
Lab ID: 2110067-039
Matrix: Soil
Client Sample ID: **A8-SIDE4:8**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 33960			Analyst: CR
Gasoline	2,950	611	244	D	mg/Kg-dry	100	10/07/21 18:35:00
Surr: Toluene-d8	101	65 - 135		D	%Rec	100	10/07/21 18:35:00
Surr: 4-Bromofluorobenzene	102	65 - 135		D	%Rec	100	10/07/21 18:35:00
Sample Moisture (Percent Moisture)				Batch ID: R70470			Analyst: OK
Percent Moisture	27.5	0.500	0.100		wt%	1	10/11/21 12:51:17

Analytical Report

Work Order: **2110067**
Date Reported: **10/12/2021**

Client: Shannon & Wilson
Collection Date: 10/5/2021 12:35:00 PM
Project: 8801 - Excavations
Lab ID: 2110067-040
Matrix: Soil
Client Sample ID: **A8-SIDE100:3**

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 33960			Analyst: CR
Gasoline	3.21	5.87	2.34	J	mg/Kg-dry	1	10/07/21 17:32:56
Surr: Toluene-d8	99.1	65 - 135			%Rec	1	10/07/21 17:32:56
Surr: 4-Bromofluorobenzene	103	65 - 135			%Rec	1	10/07/21 17:32:56
Sample Moisture (Percent Moisture)				Batch ID: R70470			Analyst: OK
Percent Moisture	4.53	0.500	0.100		wt%	1	10/11/21 12:51:17

Work Order: 2110067
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **ICB-33962**	SampType: **ICB**			Units: **µg/L**		Prep Date: **10/8/2021**		RunNo: **70456**		
Client ID: **ICB**	Batch ID: **33962**					Analysis Date: **10/8/2021**		SeqNo: **1430289**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICB-33963**	SampType: **ICB**			Units: **µg/L**		Prep Date: **10/8/2021**		RunNo: **70459**		
Client ID: **ICB**	Batch ID: **33963**					Analysis Date: **10/8/2021**		SeqNo: **1430485**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Copper	ND	10.0									

Sample ID: **ICV-33962**	SampType: **ICV**			Units: **µg/L**		Prep Date: **10/8/2021**		RunNo: **70456**		
Client ID: **ICV**	Batch ID: **33962**					Analysis Date: **10/8/2021**		SeqNo: **1430290**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	101	10.0	100.0	0	101	90	110				

Sample ID: **ICV-33963**	SampType: **ICV**			Units: **µg/L**		Prep Date: **10/8/2021**		RunNo: **70459**		
Client ID: **ICV**	Batch ID: **33963**					Analysis Date: **10/8/2021**		SeqNo: **1430486**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	109	1.20	100.0	0	109	90	110				
Copper	101	10.0	100.0	0	101	90	110				

Sample ID: **CCV-33962A**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/8/2021**		RunNo: **70456**		
Client ID: **CCV**	Batch ID: **33962**					Analysis Date: **10/8/2021**		SeqNo: **1430363**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	98.9	10.0	100.0	0	98.9	90	110				

Work Order: 2110067
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCB-33962A**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/8/2021**			RunNo: **70456**		
Client ID: **CCB**	Batch ID: **33962**					Analysis Date: **10/8/2021**			SeqNo: **1430364**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **MB-33962**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **10/6/2021**			RunNo: **70456**		
Client ID: **MBLKS**	Batch ID: **33962**					Analysis Date: **10/8/2021**			SeqNo: **1430367**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.769									

Sample ID: **LCS-33962**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **10/6/2021**			RunNo: **70456**		
Client ID: **LCSS**	Batch ID: **33962**					Analysis Date: **10/8/2021**			SeqNo: **1430368**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	41.5	0.794	39.68	0	104	80	120				

Sample ID: **CCV-33962B**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/8/2021**			RunNo: **70456**		
Client ID: **CCV**	Batch ID: **33962**					Analysis Date: **10/8/2021**			SeqNo: **1430369**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	97.8	10.0	100.0	0	97.8	90	110				

Sample ID: **CCB-33962B**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/8/2021**			RunNo: **70456**		
Client ID: **CCB**	Batch ID: **33962**					Analysis Date: **10/8/2021**			SeqNo: **1430370**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Work Order: 2110067
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **2110054-005AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **10/6/2021** RunNo: **70456**
Client ID: **BATCH** Batch ID: **33962** Analysis Date: **10/8/2021** SeqNo: **1430373**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	174	0.843	42.14	192.2	-42.4	75	125				S

NOTES:
S - Analyte concentration was too high for accurate spike recovery(ies).

Sample ID: **2110054-005AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **10/6/2021** RunNo: **70456**
Client ID: **BATCH** Batch ID: **33962** Analysis Date: **10/8/2021** SeqNo: **1430374**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	201	0.836	41.82	192.2	20.4	75	125	174.3	14.1	20	S

NOTES:
S - Analyte concentration was too high for accurate spike recovery(ies).

Sample ID: **CCV-33962C** SampType: **CCV** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70456**
Client ID: **CCV** Batch ID: **33962** Analysis Date: **10/8/2021** SeqNo: **1430376**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	104	10.0	100.0	0	104	90	110				

Sample ID: **CCB-33962C** SampType: **CCB** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70456**
Client ID: **CCB** Batch ID: **33962** Analysis Date: **10/8/2021** SeqNo: **1430377**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33962D** SampType: **CCV** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70456**
Client ID: **CCV** Batch ID: **33962** Analysis Date: **10/8/2021** SeqNo: **1430383**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	99.4	10.0	100.0	0	99.4	90	110				

Work Order: 2110067
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCB-33962D**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/8/2021**			RunNo: **70456**		
Client ID: **CCB**	Batch ID: **33962**					Analysis Date: **10/8/2021**			SeqNo: **1430384**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33962E**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/8/2021**			RunNo: **70456**		
Client ID: **CCV**	Batch ID: **33962**					Analysis Date: **10/8/2021**			SeqNo: **1430390**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	102	10.0	100.0	0	102	90	110				

Sample ID: **CCB-33962E**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/8/2021**			RunNo: **70456**		
Client ID: **CCB**	Batch ID: **33962**					Analysis Date: **10/8/2021**			SeqNo: **1430391**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-3396F**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/8/2021**			RunNo: **70456**		
Client ID: **CCV**	Batch ID: **33962**					Analysis Date: **10/8/2021**			SeqNo: **1430397**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	103	10.0	100.0	0	103	90	110				

Sample ID: **CCB-33962F**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/8/2021**			RunNo: **70456**		
Client ID: **CCB**	Batch ID: **33962**					Analysis Date: **10/8/2021**			SeqNo: **1430398**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Work Order: 2110067
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-33962G** SampType: **CCV** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70456**
Client ID: **CCV** Batch ID: **33962** Analysis Date: **10/8/2021** SeqNo: **1430403**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	98.6	10.0	100.0	0	98.6	90	110				

Sample ID: **CCV-33963AB** SampType: **CCV** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70459**
Client ID: **CCV** Batch ID: **33963** Analysis Date: **10/8/2021** SeqNo: **1430599**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	112	1.20	100.0	0	112	90	110				S
Copper	98.6	10.0	100.0	0	98.6	90	110				

NOTES:
S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Sample ID: **CCB-33962G** SampType: **CCB** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70456**
Client ID: **CCB** Batch ID: **33962** Analysis Date: **10/8/2021** SeqNo: **1430404**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCB-33963AB** SampType: **CCB** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70459**
Client ID: **CCB** Batch ID: **33963** Analysis Date: **10/8/2021** SeqNo: **1430600**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Copper	ND	10.0									

Sample ID: **MB-33963** SampType: **MBLK** Units: **mg/Kg** Prep Date: **10/6/2021** RunNo: **70459**
Client ID: **MBLKS** Batch ID: **33963** Analysis Date: **10/8/2021** SeqNo: **1430601**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.0518	0.0870									J

Work Order: 2110067
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **MB-33963**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **10/6/2021**		RunNo: **70459**		
Client ID: **MBLKS**	Batch ID: **33963**					Analysis Date: **10/8/2021**		SeqNo: **1430601**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.725									

Sample ID: **LCS-33963**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **10/6/2021**		RunNo: **70459**		
Client ID: **LCSS**	Batch ID: **33963**					Analysis Date: **10/8/2021**		SeqNo: **1430602**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	39.9	0.0889	37.04	0	108	80	120				
Copper	38.9	0.741	37.04	0	105	80	120				

Sample ID: **2110067-013AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **10/6/2021**		RunNo: **70459**		
Client ID: **A6-SIDE1:5**	Batch ID: **33963**					Analysis Date: **10/8/2021**		SeqNo: **1430605**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	46.8	0.0979	40.80	6.423	99.0	75	125				
Copper	50.8	0.816	40.80	10.76	98.2	75	125				

Sample ID: **CCV-33963A**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/8/2021**		RunNo: **70459**		
Client ID: **CCV**	Batch ID: **33963**					Analysis Date: **10/8/2021**		SeqNo: **1430606**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	112	1.20	100.0	0	112	90	110				S
Copper	99.6	10.0	100.0	0	99.6	90	110				

NOTES:
S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Work Order: 2110067
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCB-33963A** SampType: **CCB** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70459**
Client ID: **CCB** Batch ID: **33963** Analysis Date: **10/8/2021** SeqNo: **1430607**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Copper	ND	10.0									

Sample ID: **2110067-013AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **10/6/2021** RunNo: **70459**
Client ID: **A6-SIDE1:5** Batch ID: **33963** Analysis Date: **10/8/2021** SeqNo: **1430608**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	47.8	0.0987	41.12	6.423	101	75	125	46.81	2.10	20	
Copper	52.1	0.822	41.12	10.76	101	75	125	50.83	2.47	20	

Sample ID: **CCV-33963B** SampType: **CCV** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70459**
Client ID: **CCV** Batch ID: **33963** Analysis Date: **10/8/2021** SeqNo: **1430613**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	110	1.20	100.0	0	110	90	110				
Copper	97.0	10.0	100.0	0	97.0	90	110				

Sample ID: **CCB-33963B** SampType: **CCB** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70459**
Client ID: **CCB** Batch ID: **33963** Analysis Date: **10/8/2021** SeqNo: **1430614**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Copper	ND	10.0									

Work Order: 2110067
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-33963C** SampType: **CCV** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70459**
Client ID: **CCV** Batch ID: **33963** Analysis Date: **10/8/2021** SeqNo: **1430620**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	117	1.20	100.0	0	117	90	110				S
Copper	100	10.0	100.0	0	100	90	110				

NOTES:
S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Sample ID: **CCB-33963C** SampType: **CCB** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70459**
Client ID: **CCB** Batch ID: **33963** Analysis Date: **10/8/2021** SeqNo: **1430621**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Copper	ND	10.0									

Sample ID: **CCV-33963D** SampType: **CCV** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70459**
Client ID: **CCV** Batch ID: **33963** Analysis Date: **10/8/2021** SeqNo: **1430624**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	115	1.20	100.0	0	115	90	110				S
Copper	103	10.0	100.0	0	103	90	110				

NOTES:
S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Sample ID: **CCB-33963D** SampType: **CCB** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70459**
Client ID: **CCB** Batch ID: **33963** Analysis Date: **10/8/2021** SeqNo: **1430625**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Copper	ND	10.0									

Work Order: 2110067
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-33963E** SampType: **CCV** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70459**
Client ID: **CCV** Batch ID: **33963** Analysis Date: **10/8/2021** SeqNo: **1430627**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	112	1.20	100.0	0	112	90	110				S
Copper	95.9	10.0	100.0	0	95.9	90	110				

NOTES:
S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Sample ID: **CCB-33963E** SampType: **CCB** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70459**
Client ID: **CCB** Batch ID: **33963** Analysis Date: **10/8/2021** SeqNo: **1430628**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Copper	ND	10.0									

Sample ID: **CCV-33963F** SampType: **CCV** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70459**
Client ID: **CCV** Batch ID: **33963** Analysis Date: **10/8/2021** SeqNo: **1430634**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	111	1.20	100.0	0	111	90	110				S
Copper	100	10.0	100.0	0	100	90	110				

NOTES:
S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Sample ID: **CCB-33963F** SampType: **CCB** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70459**
Client ID: **CCB** Batch ID: **33963** Analysis Date: **10/8/2021** SeqNo: **1430635**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Copper	ND	10.0									

Work Order: 2110067
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-33963G** SampType: **CCV** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70459**
Client ID: **CCV** Batch ID: **33963** Analysis Date: **10/8/2021** SeqNo: **1430639**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	110	1.20	100.0	0	110	90	110				S
Copper	94.3	10.0	100.0	0	94.3	90	110				

NOTES:
S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Sample ID: **CCB-33963G** SampType: **CCB** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70459**
Client ID: **CCB** Batch ID: **33963** Analysis Date: **10/8/2021** SeqNo: **1430640**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Copper	ND	10.0									

Sample ID: **ICB-33963A** SampType: **ICB** Units: **µg/L** Prep Date: **10/11/2021** RunNo: **70459**
Client ID: **ICB** Batch ID: **33963** Analysis Date: **10/11/2021** SeqNo: **1431549**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Copper	ND	10.0									

Sample ID: **ICV-33963A** SampType: **ICV** Units: **µg/L** Prep Date: **10/11/2021** RunNo: **70459**
Client ID: **ICV** Batch ID: **33963** Analysis Date: **10/11/2021** SeqNo: **1431552**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	102	1.20	100.0	0	102	90	110				
Copper	97.8	10.0	100.0	0	97.8	90	110				

Work Order: 2110067
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-33963H** SampType: **CCV** Units: **µg/L** Prep Date: **10/11/2021** RunNo: **70459**
Client ID: **CCV** Batch ID: **33963** Analysis Date: **10/11/2021** SeqNo: **1431573**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	107	1.20	100.0	0	107	90	110				
Copper	93.3	10.0	100.0	0	93.3	90	110				

Sample ID: **CCB-33963H** SampType: **CCB** Units: **µg/L** Prep Date: **10/11/2021** RunNo: **70459**
Client ID: **CCB** Batch ID: **33963** Analysis Date: **10/11/2021** SeqNo: **1431574**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Copper	ND	10.0									

Sample ID: **LCS-33963** SampType: **LCS** Units: **mg/Kg** Prep Date: **10/6/2021** RunNo: **70459**
Client ID: **LCSS** Batch ID: **33963** Analysis Date: **10/12/2021** SeqNo: **1431582**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	38.3	0.0889	37.04	0	103	80	120				

Sample ID: **CCV-33963I** SampType: **CCV** Units: **µg/L** Prep Date: **10/12/2021** RunNo: **70459**
Client ID: **CCV** Batch ID: **33963** Analysis Date: **10/12/2021** SeqNo: **1431585**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	104	1.20	100.0	0	104	90	110				
Copper	98.2	10.0	100.0	0	98.2	90	110				

Sample ID: **CCB-33963I** SampType: **CCB** Units: **µg/L** Prep Date: **10/12/2021** RunNo: **70459**
Client ID: **CCB** Batch ID: **33963** Analysis Date: **10/12/2021** SeqNo: **1431586**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									

Work Order: 2110067
CLIENT: Shannon & Wilson
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QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCB-33963I**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/12/2021**		RunNo: **70459**		
Client ID: **CCB**	Batch ID: **33963**					Analysis Date: **10/12/2021**		SeqNo: **1431586**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-33963J**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/12/2021**		RunNo: **70459**		
Client ID: **CCV**	Batch ID: **33963**					Analysis Date: **10/12/2021**		SeqNo: **1431597**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	106	1.20	100.0	0	106	90	110				
Copper	95.7	10.0	100.0	0	95.7	90	110				

Sample ID: **CCB-33963J**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/12/2021**		RunNo: **70459**		
Client ID: **CCB**	Batch ID: **33963**					Analysis Date: **10/12/2021**		SeqNo: **1431598**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Copper	ND	10.0									

Sample ID: **CCV-33963K**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/12/2021**		RunNo: **70459**		
Client ID: **CCV**	Batch ID: **33963**					Analysis Date: **10/12/2021**		SeqNo: **1431608**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	106	1.20	100.0	0	106	90	110				
Copper	97.8	10.0	100.0	0	97.8	90	110				

Sample ID: **CCB-33963K**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/12/2021**		RunNo: **70459**		
Client ID: **CCB**	Batch ID: **33963**					Analysis Date: **10/12/2021**		SeqNo: **1431609**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									

Work Order: 2110067
CLIENT: Shannon & Wilson
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QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCB-33963K** SampType: **CCB** Units: **µg/L** Prep Date: **10/12/2021** RunNo: **70459**
Client ID: **CCB** Batch ID: **33963** Analysis Date: **10/12/2021** SeqNo: **1431609**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Work Order: 2110067
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **CAL MIDPOINT** SampType: **CCV** Units: **µg/L** Prep Date: **8/23/2021** RunNo: **70410**
Client ID: **CCV** Batch ID: **33977** Analysis Date: **8/23/2021** SeqNo: **1428636**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,000	20.0	1,000	0	100	80	120				
Chrysene	1,010	40.0	1,000	0	101	80	120				
Benzo(b)fluoranthene	920	20.0	1,000	0	92.0	80	120				
Benzo(k)fluoranthene	1,100	20.0	1,000	0	110	80	120				
Benzo(a)pyrene	1,000	20.0	1,000	0	100	80	120				
Indeno(1,2,3-cd)pyrene	1,010	40.0	1,000	0	101	80	120				
Dibenz(a,h)anthracene	1,010	40.0	1,000	0	101	80	120				
Surr: 2-Fluorobiphenyl	502		500.0		100	69.5	150				
Surr: Terphenyl-d14 (surr)	506		500.0		101	71.6	145				

Sample ID: **PAH ICB** SampType: **ICB** Units: **µg/L** Prep Date: **8/23/2021** RunNo: **69441**
Client ID: **ICB** Batch ID: **33977** Analysis Date: **8/23/2021** SeqNo: **1406963**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	20.0									
2-Methylnaphthalene	ND	20.0									
1-Methylnaphthalene	ND	20.0									
2-Chloronaphthalene	ND	20.0									
Acenaphthene	ND	20.0									
Dimethyl phthalate	ND	50.0									
Acenaphthylene	ND	20.0									
Dibenzofuran	ND	40.0									
Fluorene	ND	20.0									
Diethyl phthalate	ND	20.0									
Pentachlorophenol	ND	80.0									
Phenanthrene	ND	40.0									
Anthracene	ND	40.0									
Carbazole	ND	20.0									
Di-n-butyl phthalate	ND	40.0									
Fluoranthene	ND	40.0									

Work Order: 2110067
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **PAH ICB** SampType: **ICB** Units: **µg/L** Prep Date: **8/23/2021** RunNo: **69441**
Client ID: **ICB** Batch ID: **33977** Analysis Date: **8/23/2021** SeqNo: **1406963**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pyrene	ND	40.0									
Butylbenzylphthalate	ND	20.0									
Benz(a)anthracene	ND	20.0									
Chrysene	ND	40.0									
Bis(2-ethylhexyl) phthalate	ND	20.0									
Di-n-octyl phthalate	ND	20.0									
Benzo(b)fluoranthene	ND	20.0									
Benzo(k)fluoranthene	ND	20.0									
Benzo(a)pyrene	ND	20.0									
Indeno(1,2,3-cd)pyrene	ND	40.0									
Dibenz(a,h)anthracene	ND	40.0									
Benzo(g,h,i)perylene	ND	20.0									
Surr: 2,4,6-Tribromophenol	927		1,000		92.7	14	136				
Surr: 2-Fluorobiphenyl	474		500.0		94.8	50.4	142				
Surr: Terphenyl-d14 (surr)	505		500.0		101	48.8	157				

Sample ID: **PAH ICV** SampType: **ICV** Units: **µg/L** Prep Date: **8/23/2021** RunNo: **69441**
Client ID: **ICV** Batch ID: **33977** Analysis Date: **8/23/2021** SeqNo: **1406964**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,020	20.0	1,000	0	102	70	130				
2-Methylnaphthalene	1,020	20.0	1,000	0	102	70	130				
1-Methylnaphthalene	1,040	20.0	1,000	0	104	70	130				
2-Chloronaphthalene	1,040	20.0	1,000	0	104	70	130				
Acenaphthene	979	20.0	1,000	0	97.9	70	130				
Dimethyl phthalate	1,040	50.0	1,000	0	104	70	130				
Acenaphthylene	1,040	20.0	1,000	0	104	70	130				
Dibenzofuran	1,040	40.0	1,000	0	104	70	130				
Fluorene	1,040	20.0	1,000	0	104	70	130				
Diethyl phthalate	1,040	20.0	1,000	0	104	70	130				

Work Order: 2110067
CLIENT: Shannon & Wilson
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QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **PAH ICV** SampType: **ICV** Units: **µg/L** Prep Date: **8/23/2021** RunNo: **69441**
Client ID: **ICV** Batch ID: **33977** Analysis Date: **8/23/2021** SeqNo: **1406964**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	991	80.0	1,000	0	99.1	70	130				
Phenanthrene	1,020	40.0	1,000	0	102	70	130				
Anthracene	1,030	40.0	1,000	0	103	70	130				
Carbazole	1,050	20.0	1,000	0	105	70	130				
Di-n-butyl phthalate	1,040	40.0	1,000	0	104	70	130				
Fluoranthene	1,040	40.0	1,000	0	104	70	130				
Pyrene	1,030	40.0	1,000	0	103	70	130				
Butylbenzylphthalate	1,040	20.0	1,000	0	104	70	130				
Benz(a)anthracene	1,030	20.0	1,000	0	103	70	130				
Chrysene	1,040	40.0	1,000	0	104	70	130				
Bis(2-ethylhexyl) phthalate	1,040	20.0	1,000	0	104	70	130				
Di-n-octyl phthalate	1,040	20.0	1,000	0	104	70	130				
Benzo(b)fluoranthene	1,080	20.0	1,000	0	108	70	130				
Benzo(k)fluoranthene	1,040	20.0	1,000	0	104	70	130				
Benzo(a)pyrene	1,150	20.0	1,000	0	115	70	130				
Indeno(1,2,3-cd)pyrene	1,040	40.0	1,000	0	104	70	130				
Dibenz(a,h)anthracene	1,050	40.0	1,000	0	105	70	130				
Benzo(g,h,i)perylene	1,060	20.0	1,000	0	106	70	130				
Surr: 2,4,6-Tribromophenol	1,040		1,000		104	67.8	127				
Surr: 2-Fluorobiphenyl	524		500.0		105	60.9	160				
Surr: Terphenyl-d14 (surr)	524		500.0		105	62.2	159				

Sample ID: **CCV-33977** SampType: **CCV** Units: **µg/L** Prep Date: **10/7/2021** RunNo: **70410**
Client ID: **CCV** Batch ID: **33977** Analysis Date: **10/7/2021** SeqNo: **1428632**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	943	20.0	1,000	0	94.3	80	120				
Chrysene	901	40.0	1,000	0	90.1	80	120				
Benzo(b)fluoranthene	955	20.0	1,000	0	95.5	80	120				
Benzo(k)fluoranthene	888	20.0	1,000	0	88.8	80	120				

Work Order: 2110067
CLIENT: Shannon & Wilson
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QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **CCV-33977** SampType: **CCV** Units: **µg/L** Prep Date: **10/7/2021** RunNo: **70410**
Client ID: **CCV** Batch ID: **33977** Analysis Date: **10/7/2021** SeqNo: **1428632**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	931	20.0	1,000	0	93.1	80	120				
Indeno(1,2,3-cd)pyrene	967	40.0	1,000	0	96.7	80	120				
Dibenz(a,h)anthracene	956	40.0	1,000	0	95.6	80	120				
Surr: 2-Fluorobiphenyl	466		500.0		93.1	69.5	150				
Surr: Terphenyl-d14 (surr)	449		500.0		89.9	71.6	145				

Sample ID: **MB-33977** SampType: **MBLK** Units: **µg/Kg** Prep Date: **10/7/2021** RunNo: **70410**
Client ID: **MBLKS** Batch ID: **33977** Analysis Date: **10/7/2021** SeqNo: **1428633**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	ND	20.0									
Chrysene	ND	40.0									
Benzo(b)fluoranthene	ND	20.0									
Benzo(k)fluoranthene	ND	20.0									
Benzo(a)pyrene	ND	20.0									
Indeno(1,2,3-cd)pyrene	ND	40.0									
Dibenz(a,h)anthracene	ND	40.0									
Surr: 2-Fluorobiphenyl	896		1,000		89.6	27.9	129				
Surr: Terphenyl-d14 (surr)	1,180		1,000		118	39.1	145				

Sample ID: **LCS-33977** SampType: **LCS** Units: **µg/Kg** Prep Date: **10/7/2021** RunNo: **70410**
Client ID: **LCSS** Batch ID: **33977** Analysis Date: **10/7/2021** SeqNo: **1428634**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	2,050	20.0	2,000	0	103	64.4	113				
Chrysene	1,760	40.0	2,000	0	88.1	57.3	113				
Benzo(b)fluoranthene	1,860	20.0	2,000	0	92.8	58.2	115				
Benzo(k)fluoranthene	2,070	20.0	2,000	0	103	53.4	121				
Benzo(a)pyrene	2,010	20.0	2,000	0	100	64.7	125				

Work Order: 2110067
CLIENT: Shannon & Wilson
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QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **LCS-33977**	SampType: **LCS**	Units: **µg/Kg**	Prep Date: **10/7/2021**	RunNo: **70410**
Client ID: **LCSS**	Batch ID: **33977**		Analysis Date: **10/7/2021**	SeqNo: **1428634**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	1,870	40.0	2,000	0	93.4	61.6	113				
Dibenz(a,h)anthracene	1,930	40.0	2,000	0	96.5	62.1	116				
Surr: 2-Fluorobiphenyl	827		1,000		82.7	27.9	129				
Surr: Terphenyl-d14 (surr)	1,090		1,000		109	39.1	145				

Sample ID: **2110088-004AMS**	SampType: **MS**	Units: **µg/Kg-dry**	Prep Date: **10/7/2021**	RunNo: **70410**
Client ID: **BATCH**	Batch ID: **33977**		Analysis Date: **10/7/2021**	SeqNo: **1428855**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	2,150	27.8	2,783	0	77.3	45	110				
Chrysene	1,880	55.7	2,783	0	67.4	42.4	106				
Benzo(b)fluoranthene	1,810	27.8	2,783	0	65.1	43.7	108				
Benzo(k)fluoranthene	2,080	27.8	2,783	0	74.7	39.5	113				
Benzo(a)pyrene	2,100	27.8	2,783	0	75.4	44.1	122				
Indeno(1,2,3-cd)pyrene	2,110	55.7	2,783	0	75.8	40.2	109				
Dibenz(a,h)anthracene	2,180	55.7	2,783	0	78.2	31.4	126				
Surr: 2-Fluorobiphenyl	844		1,391		60.7	27.9	129				
Surr: Terphenyl-d14 (surr)	1,180		1,391		84.5	39.1	145				

Sample ID: **CCV-33954**	SampType: **CCV**	Units: **µg/L**	Prep Date: **10/8/2021**	RunNo: **70410**
Client ID: **CCV**	Batch ID: **33977**		Analysis Date: **10/8/2021**	SeqNo: **1429034**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	999	20.0	1,000	0	99.9	80	120				
Chrysene	909	40.0	1,000	0	90.9	80	120				
Benzo(b)fluoranthene	942	20.0	1,000	0	94.2	80	120				
Benzo(k)fluoranthene	943	20.0	1,000	0	94.3	80	120				
Benzo(a)pyrene	958	20.0	1,000	0	95.8	80	120				
Indeno(1,2,3-cd)pyrene	981	40.0	1,000	0	98.1	80	120				

Work Order: 2110067
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **CCV-33954** SampType: **CCV** Units: **µg/L** Prep Date: **10/8/2021** RunNo: **70410**
Client ID: **CCV** Batch ID: **33977** Analysis Date: **10/8/2021** SeqNo: **1429034**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenz(a,h)anthracene	967	40.0	1,000	0	96.7	80	120				
Surr: 2-Fluorobiphenyl	464		500.0		92.9	69.5	150				
Surr: Terphenyl-d14 (surr)	479		500.0		95.8	71.6	145				

Work Order: 2110067
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1660 ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICB**	Batch ID: **33967**		Analysis Date: **9/30/2021**	SeqNo: **1425542**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1260	ND	0.0500									
Surr: Decachlorobiphenyl	216		200.0		108	50.2	159				
Surr: Tetrachloro-m-xylene	188		200.0		94.0	60.3	134				

Sample ID: **1660 ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICV**	Batch ID: **33967**		Analysis Date: **9/30/2021**	SeqNo: **1425544**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.845	0.0500	1.000	0	84.5	80	120				
Aroclor 1260	0.810	0.0500	1.000	0	81.0	80	120				
Surr: Decachlorobiphenyl	162		200.0		81.0	30.2	155				
Surr: Tetrachloro-m-xylene	160		200.0		79.9	58.8	143				

Sample ID: **1254 ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICB**	Batch ID: **33967**		Analysis Date: **9/30/2021**	SeqNo: **1425552**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	ND	0.0500									
Surr: Decachlorobiphenyl	219		200.0		110	50.2	159				
Surr: Tetrachloro-m-xylene	214		200.0		107	60.3	134				

Sample ID: **1254 ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICV**	Batch ID: **33967**		Analysis Date: **9/30/2021**	SeqNo: **1425553**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.08	0.0500	1.000	0	108	80	120				
Surr: Decachlorobiphenyl	204		200.0		102	30.2	155				
Surr: Tetrachloro-m-xylene	203		200.0		101	58.8	143				

Work Order: 2110067
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1254 ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICV**	Batch ID: **33967**		Analysis Date: **9/30/2021**	SeqNo: **1425553**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **1660-CCV-33967A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/6/2021**	RunNo: **70391**
Client ID: **CCV**	Batch ID: **33967**		Analysis Date: **10/6/2021**	SeqNo: **1428357**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.897	0.0500	1.000	0	89.7	80	120				
Aroclor 1260	0.833	0.0500	1.000	0	83.3	80	120				
Surr: Decachlorobiphenyl	158		200.0		78.9	30.2	155				
Surr: Tetrachloro-m-xylene	194		200.0		97.0	58.8	143				

Sample ID: **1254-CCV-33967A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/6/2021**	RunNo: **70391**
Client ID: **CCV**	Batch ID: **33967**		Analysis Date: **10/6/2021**	SeqNo: **1428358**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.920	0.0500	1.000	0	92.0	80	120				
Surr: Decachlorobiphenyl	165		200.0		82.6	30.2	155				
Surr: Tetrachloro-m-xylene	203		200.0		102	58.8	143				

Sample ID: **MB-33967**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **10/6/2021**	RunNo: **70391**
Client ID: **MBLKS**	Batch ID: **33967**		Analysis Date: **10/6/2021**	SeqNo: **1428359**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1221	ND	0.0500									
Aroclor 1232	ND	0.0500									
Aroclor 1242	ND	0.0500									
Aroclor 1248	ND	0.0500									
Aroclor 1254	ND	0.0500									
Aroclor 1260	ND	0.0500									

Work Order: 2110067
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **MB-33967**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **10/6/2021**		RunNo: **70391**		
Client ID: **MBLKS**	Batch ID: **33967**					Analysis Date: **10/6/2021**		SeqNo: **1428359**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1262	ND	0.0500									
Aroclor 1268	ND	0.0500									
Total PCBs	ND	0.0500									
Surr: Decachlorobiphenyl	157		200.0		78.5	20.6	142				
Surr: Tetrachloro-m-xylene	194		200.0		97.1	22	157				

Sample ID: **LCS1-33967**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **10/6/2021**		RunNo: **70391**		
Client ID: **LCSS**	Batch ID: **33967**					Analysis Date: **10/6/2021**		SeqNo: **1428360**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.915	0.0500	1.000	0	91.5	52.2	136				
Aroclor 1260	0.841	0.0500	1.000	0	84.1	50.5	150				
Surr: Decachlorobiphenyl	169		200.0		84.3	20.6	142				
Surr: Tetrachloro-m-xylene	198		200.0		98.8	22	157				

Sample ID: **LCS2-33967**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **10/6/2021**		RunNo: **70391**		
Client ID: **LCSS**	Batch ID: **33967**					Analysis Date: **10/6/2021**		SeqNo: **1428361**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.827	0.0500	1.000	0	82.7	48.1	147				
Surr: Decachlorobiphenyl	157		200.0		78.7	20.6	142				
Surr: Tetrachloro-m-xylene	187		200.0		93.7	22	157				

Sample ID: **2110067-001AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **10/6/2021**		RunNo: **70391**		
Client ID: **A4-SIDE16:2**	Batch ID: **33967**					Analysis Date: **10/6/2021**		SeqNo: **1428363**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.05	0.0571	1.141	0	91.7	38.6	146				
Aroclor 1260	0.819	0.0571	1.141	0	71.8	24.6	161				

Work Order: 2110067
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **2110067-001AMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **10/6/2021**	RunNo: **70391**
Client ID: **A4-SIDE16:2**	Batch ID: **33967**		Analysis Date: **10/6/2021**	SeqNo: **1428363**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	110		228.2		48.4	20.6	142				
Surr: Tetrachloro-m-xylene	144		228.2		63.2	22	157				

Sample ID: **2110067-001AMSD**	SampType: **MSD**	Units: **mg/Kg-dry**	Prep Date: **10/6/2021**	RunNo: **70391**
Client ID: **A4-SIDE16:2**	Batch ID: **33967**		Analysis Date: **10/6/2021**	SeqNo: **1428364**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.00	0.0516	1.032	0	97.1	38.6	146	1.047	4.36	30	
Aroclor 1260	0.768	0.0516	1.032	0	74.4	24.6	161	0.8195	6.52	30	
Surr: Decachlorobiphenyl	83.4		206.4		40.4	20.6	142		0		
Surr: Tetrachloro-m-xylene	117		206.4		56.6	22	157		0		

Sample ID: **1660-CCV-33967B**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/6/2021**	RunNo: **70391**
Client ID: **CCV**	Batch ID: **33967**		Analysis Date: **10/6/2021**	SeqNo: **1428375**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.831	0.0500	1.000	0	83.1	80	120				
Aroclor 1260	0.811	0.0500	1.000	0	81.1	80	120				
Surr: Decachlorobiphenyl	161		200.0		80.7	30.2	155				
Surr: Tetrachloro-m-xylene	180		200.0		90.0	58.8	143				

Sample ID: **1254-CCV-33967B**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/6/2021**	RunNo: **70391**
Client ID: **CCV**	Batch ID: **33967**		Analysis Date: **10/6/2021**	SeqNo: **1428376**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.900	0.0500	1.000	0	90.0	80	120				
Surr: Decachlorobiphenyl	172		200.0		85.8	30.2	155				
Surr: Tetrachloro-m-xylene	195		200.0		97.3	58.8	143				

Work Order: 2110067
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **70221 MP GX**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **9/29/2021**	RunNo: **70375**
Client ID: **CCV**	Batch ID: **33960**		Analysis Date: **9/29/2021**	SeqNo: **1428151**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	489	5.00	500.0	0	97.9	80	120				
Surr: Toluene-d8	25.0		25.00		100	65	135				
Surr: 4-Bromofluorobenzene	25.2		25.00		101	65	135				

Sample ID: **ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **9/29/2021**	RunNo: **70221**
Client ID: **ICB**	Batch ID: **33960**		Analysis Date: **9/29/2021**	SeqNo: **1424668**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	35.6	5.00									
Surr: Toluene-d8	24.9		25.00		99.8	65	135				
Surr: 4-Bromofluorobenzene	24.6		25.00		98.5	65	135				

Sample ID: **ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **9/29/2021**	RunNo: **70221**
Client ID: **ICV**	Batch ID: **33960**		Analysis Date: **9/29/2021**	SeqNo: **1424669**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	561	5.00	500.0	0	112	80	120				
Surr: Toluene-d8	24.9		25.00		99.6	65	135				
Surr: 4-Bromofluorobenzene	24.9		25.00		99.4	65	135				

Sample ID: **CCV-33960A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/6/2021**	RunNo: **70375**
Client ID: **CCV**	Batch ID: **33960**		Analysis Date: **10/6/2021**	SeqNo: **1428164**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	521	5.00	500.0	0	104	80	120				
Surr: Toluene-d8	24.8		25.00		99.2	65	135				
Surr: 4-Bromofluorobenzene	26.4		25.00		105	65	135				

Work Order: 2110067
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **LCS-33960**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **10/6/2021**	RunNo: **70375**
Client ID: **LCSS**	Batch ID: **33960**		Analysis Date: **10/6/2021**	SeqNo: **1428165**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	24.5	5.00	25.00	0	98.2	65	135				
Surr: Toluene-d8	1.25		1.250		99.6	65	135				
Surr: 4-Bromofluorobenzene	1.31		1.250		105	65	135				

Sample ID: **MB-33960**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **10/6/2021**	RunNo: **70375**
Client ID: **MBLKS**	Batch ID: **33960**		Analysis Date: **10/6/2021**	SeqNo: **1428166**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.26		1.250		101	65	135				
Surr: 4-Bromofluorobenzene	1.24		1.250		99.1	65	135				

Sample ID: **2110071-001BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **10/6/2021**	RunNo: **70375**
Client ID: **BATCH**	Batch ID: **33960**		Analysis Date: **10/6/2021**	SeqNo: **1428170**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	3.29						0	0	30	
Surr: Toluene-d8	0.813		0.8234		98.7	65	135		0		
Surr: 4-Bromofluorobenzene	0.859		0.8234		104	65	135		0		

Sample ID: **2110067-023BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **10/6/2021**	RunNo: **70375**
Client ID: **A7-SIDE1:7**	Batch ID: **33960**		Analysis Date: **10/6/2021**	SeqNo: **1428173**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.56						3.173	200	30	
Surr: Toluene-d8	1.38		1.391		98.9	65	135		0		
Surr: 4-Bromofluorobenzene	1.43		1.391		103	65	135		0		

Work Order: 2110067
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **2110067-022BMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **10/6/2021**	RunNo: **70375**
Client ID: **A7-SIDE1:3**	Batch ID: **33960**		Analysis Date: **10/6/2021**	SeqNo: **1428174**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	97.5	5.64	28.18	67.12	108	65	135				
Surr: Toluene-d8	1.40		1.409		99.7	65	135				
Surr: 4-Bromofluorobenzene	1.45		1.409		103	65	135				

Sample ID: **CCV-33960B**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/6/2021**	RunNo: **70375**
Client ID: **CCV**	Batch ID: **33960**		Analysis Date: **10/6/2021**	SeqNo: **1428175**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	549	5.00	500.0	0	110	80	120				
Surr: Toluene-d8	25.4		25.00		102	65	135				
Surr: 4-Bromofluorobenzene	25.3		25.00		101	65	135				

Sample ID: **CCV-33960C**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/6/2021**	RunNo: **70375**
Client ID: **CCV**	Batch ID: **33960**		Analysis Date: **10/6/2021**	SeqNo: **1428535**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	507	5.00	500.0	0	101	80	120				
Surr: Toluene-d8	25.5		25.00		102	65	135				
Surr: 4-Bromofluorobenzene	25.4		25.00		102	65	135				

Sample ID: **CCV-33960D**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/7/2021**	RunNo: **70375**
Client ID: **CCV**	Batch ID: **33960**		Analysis Date: **10/7/2021**	SeqNo: **1428864**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	539	5.00	500.0	0	108	80	120				
Surr: Toluene-d8	25.5		25.00		102	65	135				
Surr: 4-Bromofluorobenzene	25.6		25.00		103	65	135				

Work Order: 2110067
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **CCV-33960E** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/7/2021** RunNo: **70375**
Client ID: **CCV** Batch ID: **33960** Analysis Date: **10/7/2021** SeqNo: **1428870**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	546	5.00	500.0	0	109	80	120				
Surr: Toluene-d8	25.4		25.00		102	65	135				
Surr: 4-Bromofluorobenzene	25.3		25.00		101	65	135				

Sample Log-In Check List

Client Name:	**SW**	Work Order Number:	**2110067**
Logged by:	**Clare Griggs**	Date Received:	**10/5/2021 3:30:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >2°C to 6°C *	Yes ☑	No ☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample	4.7

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 10/5/21 Page: 1 of: 5

Laboratory Project No (internal): 2110967

Project Name: 8801-Excavations

Special Remarks: Refer to project methods.

Project No: 103485-009

Client: Shannon & Wilson

Collected by: ~~AC~~ Christian Canfield

Address: 400 N. 34th St, Suite 100

Location: Tukwila, WA

City, State, Zip: Seattle, WA 98103

Report To (PM): Ryan Peterson

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Telephone:

PM Email: RBP@shanwil.com

Fax:

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	A4-SIDE16:2	10/5	0900	S	1							X	X				
2	A4-SIDE16:6	10/5	0905	S	1							X	X				
3	A4-SIDE17:2	10/5	1015	S	1							X	X				
4	A4-SIDE17:6	10/5	1017	S	1							X	X				
5	A4-SIDE18:2	10/5	1024	S	1							X	X				
6	A4-SIDE18:6	10/5	1026	S	1							X	X				
7	A4-SIDE19:2	10/5	1030	S	1							X	X				
8	A4-SIDE19:6	10/5	1033	S	1							X	X				
9	A4-SIDE20:2	10/5	1037	S	1							X	X				
10	A4-SIDE20:6	10/5	1040	S	1							X	X				

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual*: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☒ 2 Day ____ (specify)

except pages

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	RYAN PETERSON	10/5/21, 1500	x	Alex Trejo	10/05/21 15:30
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 10/5/21 Page: 2 of: 5

Laboratory Project No (internal): 2110067

Project Name: 8801-Excavations

Special Remarks: Refer to project methods

Project No: 103485-009

Client: Shannon & Wilson

Collected by: Christian Canfield

Address: 400 N. 34th St, Suite 100

Location: Tukwila, WA

City, State, Zip: Seattle, WA 98103

Report To (PM): Ryan Peterson

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Telephone:

PM Email: RPeterson@shanwil.com

Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1 AG-BOT1:6	10/5	1100	S	1								X				
2 ~~AG-BOT~~			S	1								X				
3 AG-SIDE1:2	10/5	1105	S	1								X				
4 AG-SIDE1:5	10/5	1108	S	1								X				
5 AG-SIDE2:2	10/5	1112	S	1								X				
6 AG-SIDE2:5	10/5	1115	S	1								X				
7 AG-SIDE3:2	10/5	1118	S	1								X				
8 AG-SIDE3:5	10/5	1120	S	1								X				
9 AG-SIDE4:2	10/5	1125	S	1								X				
10 AG-SIDE4:5	10/5	1128	S	1								X				

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x	RYAN PETERSON	10/5/21 1500	x	Alex Trejo	10/5/21 13:30
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x			x		

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 10/5/21 Page: 3 of: 5

Laboratory Project No (internal): 2110067

Project Name: 8801-Excavations

Special Remarks: Refer to project methods.

Project No: 103485-009

Client: Shannon & Wilson

Collected by: Christian Canfield

Address: 400 N. 34th St, Suite 100

Location: Tukwila, WA

City, State, Zip: Seattle, WA 98103

Report To (PM): Ryan Peterson

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Telephone:

PM Email: RyP@shanwil.com

Fax:

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	A4-SIDE101:2	10/5	1020	S	1							X	X				Copper only
2	A6-SIDE100:5	10/5	1122	S	1								X				Arsenic only
~~3~~	~~A7 BOTTOM~~	~~10/5~~	~~1235~~	~~S~~	~~2~~			X									
4	A7-[redacted]SIDE1:3	10/5	1238	S	2			X									
5	A7-SIDE1:7	10/5	1239	S	2			X									
6	A7-SIDE2:3	10/5	1244	S	2			X									
7	A7-SIDE2:7	10/5	1245	S	2			X									
8	A7-SIDE3:3	10/5	1249	S	2			X									
9	A7-SIDE3:7	10/5	1250	S	2			X									
10	A7-SIDE4:3	10/5	1251	S	2			X									

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 10/5/21 Page: 4 of: 5

Laboratory Project No (internal): 2110067

Project Name: 8801-Excavations

Special Remarks: Refer to project methods,

Client: Shannon & Wilson

Project No: 103485-009

Address: 400 N. 34th St, Suite 100

Collected by: Christian Canfield

City, State, Zip: Seattle, WA 98103

Location: Tukwila, WA

Telephone:

Report To (PM):

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax:

PM Email:

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	cPAHs				Comments
1	A7-SIDE4:7	10/5	1252	S	2			X													
2	A7-SIDE100:7	10/5	1247	S	2			X													
3	TRIP-10052021	10/5		W	1			X													
4	A2-SIDE13:1.5	10/5	1307													X					
5																					
6																					
7																					
8																					
9																					
10																					

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x	PETERSON	10/5/21 1500	x	Alex Trejo	10/5/21 15:30
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Page 77 of 224

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 10/5/21 | Page: 5 of: 5 | Laboratory Project No (internal): 2110067

Client: Shannon & Wilson
Address: 400 N. 34th St, Suite 100
City, State, Zip: Seattle, WA 98103
Telephone:
Fax:

Project Name: 8801-Excavations
Project No: 10485-009
Collected by: Ryan Peterson
Location: Tukwila, WA
Report To (PM): Ryan Peterson
PM Email: RLP@shanwil.com

Special Remarks: Refer to project methods

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T)	Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	A8-SIDE1:3		1200					X											Standard TAT
2	A8-SIDE1:7		1205					X											
3	A8-SIDE2:3		1207					X											
4	A8-SIDE2:7		1210					X											
5	A8-SIDE3:3		1215					X											
6	A8-SIDE3:7		1217					X											
7	A8-SIDE4:8		1220					X											
8	~~A8-BOT 1810~~		~~1230~~																
9	A8-SIDE100:3		1235					X											
10																			

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x	Ryan Peterson	10/5/21 1500	x	Alex Trejo	10/5/21 15:30
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Page 78 of 224

DATA SET for Review -- Deliverable Requirements

Gasoline by NWTPH-Gx

Fremont Analytical Work Order No. 2110067

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Injection Log

Data Directory: D:\GC-9\DATA\092821\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 092833.D	8260.M			
No data found			0.000	N/A
2) 092801.D	8260.M			
CLEANOUT	O-VOC-GX-S	1	1.000	28 Sep 2021 03:08 pm
3) 092802.D	8260.M			
CLEANOUT	O-VOC-GX-S	1	1.000	28 Sep 2021 03:39 pm
4) 092803.D	8260.M			
VOC SOIL CAL1 25909	O-VOC-GX-S	2	1.000	28 Sep 2021 04:10 pm
5) 092804.D	8260.M			
VOC SOIL CAL2	O-VOC-GX-S	3	1.000	28 Sep 2021 04:41 pm
6) 092805.D	8260.M			
VOC SOIL CAL3	O-VOC-GX-S	4	1.000	28 Sep 2021 05:12 pm
7) 092806.D	8260.M			
VOC SOIL CAL4	O-VOC-GX-S	5	1.000	28 Sep 2021 05:43 pm
8) 092807.D	8260.M			
VOC SOIL CAL5	O-VOC-GX-S	6	1.000	28 Sep 2021 06:14 pm
9) 092808.D	8260.M			
VOC SOIL CAL6	O-VOC-GX-S	7	1.000	28 Sep 2021 06:45 pm
10) 092809.D	8260.M			
VOC SOIL CAL7	O-VOC-GX-S	8	1.000	28 Sep 2021 07:16 pm
11) 092810.D	8260.M			
VOC SOIL CAL8	O-VOC-GX-S	9	1.000	28 Sep 2021 07:47 pm
12) 092811.D	8260.M			
CLEANOUT	O-VOC-GX-S	10	1.000	28 Sep 2021 08:18 pm
13) 092812.D	8260.M			
ICB	O-VOC-GX-S	11	1.000	28 Sep 2021 08:49 pm
14) 092813.D	8260.M			
ICV VOC SOIL 25964	O-VOC-GX-S	12	1.000	28 Sep 2021 09:20 pm
15) 092814.D	8260.M			
CLEANOUT	O-VOC-GX-S	10	1.000	28 Sep 2021 09:51 pm
16) 092815.D	8260.M			
GX CAL1 25970	O-VOC-GX-S	13	1.000	28 Sep 2021 10:22 pm
17) 092816.D	8260.M			
GX CAL2	O-VOC-GX-S	14	1.000	28 Sep 2021 10:53 pm
18) 092817.D	8260.M			
GX CAL3	O-VOC-GX-S	15	1.000	28 Sep 2021 11:24 pm
19) 092818.D	8260.M			
GX CAL4	O-VOC-GX-S	16	1.000	28 Sep 2021 11:55 pm
20) 092819.D	8260.M			
GX CAL5	O-VOC-GX-S	17	1.000	29 Sep 2021 12:26 am
21) 092820.D	8260.M			
GX CAL6	O-VOC-GX-S	18	1.000	29 Sep 2021 12:57 am

22) 092821.D	8260.M					
GX CAL7	O-VOC-GX-S	19	1.000	29 Sep 2021	01:28	am
23) 092822.D	8260.M					
CLEANOUT	O-VOC-W	20	1.000	29 Sep 2021	01:59	am
24) 092823.D	8260.M					
ICB	O-VOC-GX-S	21	1.000	29 Sep 2021	02:29	am
25) 092824.D	8260.M					
ICV GX 25738	O-VOC-GX-S	22	1.000	29 Sep 2021	03:00	am
26) 092825.D	8260.M					
CCV-33866A_LCS-338..	O-VOC-S	23	1.000	29 Sep 2021	03:31	am
27) 092826.D	8260.M					
CCV-33866A GX	O-VOC-GX-S	24	1.000	29 Sep 2021	04:02	am
28) 092827.D	8260.M					
LCS-33866 GX	O-VOC-GX-S	25	1.000	29 Sep 2021	04:33	am
29) 092828.D	8260.M					
CLEANOUT	O-VOC-S	26	1.000	29 Sep 2021	05:04	am
30) 092829.D	8260.M					
MB-33866	O-VOC-S	27	1.000	29 Sep 2021	05:35	am
31) 092830.D	8260.M					
2109352-002B	O-VOC-S	28	1.000	29 Sep 2021	06:06	am
32) 092831.D	8260.M					
2109352-003B	O-VOC-S	29	1.000	29 Sep 2021	06:37	am
33) 092832.D	8260.M					
2109352-003BDUP	O-VOC-S	30	1.000	29 Sep 2021	07:08	am

Injection Log

Data Directory: D:\GC-9\DATA\100621\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 100601.D	8260.M			
CLEANOUT MeOH	O-VOC-GX-S	1	1.000	06 Oct 2021 07:26 am
2) 100602.D	8260.M			
CCV-33960A GX	O-VOC-GX-S	2	1.000	06 Oct 2021 07:57 am
3) 100603.D	8260.M			
LCS-33960 GX	O-VOC-GX-S	3	1.000	06 Oct 2021 08:28 am
4) 100604.D	8260.M			
CLEANOUT MeOH	O-VOC-GX-S	1	1.000	06 Oct 2021 08:58 am
5) 100605.D	8260.M			
MB-33960	O-VOC-GX-S	4	1.000	06 Oct 2021 09:29 am
6) 100606.D	8260.M			
2110067-031A TB	O-VOC-GX-S	5	1.000	06 Oct 2021 10:00 am
7) 100607.D	8260.M			
2110009-020A 25ppb	O-VOC-GX-S	6	1.000	06 Oct 2021 10:31 am
8) 100608.D	8260.M			
2110071-001B	O-VOC-GX-S	7	1.000	06 Oct 2021 11:02 am
9) 100609.D	8260.M			
2110071-001BDUP	O-VOC-GX-S	8	1.000	06 Oct 2021 11:33 am
10) 100610.D	8260.M			
2110067-022B	O-VOC-GX-S	9	1.000	06 Oct 2021 12:04 pm
11) 100611.D	8260.M			
2110067-023B	O-VOC-GX-S	10	1.000	06 Oct 2021 12:35 pm
12) 100612.D	8260.M			
2110067-023BDUP	O-VOC-GX-S	11	1.000	06 Oct 2021 01:06 pm
13) 100613.D	8260.M			
2110067-022BMS GX	O-VOC-GX-S	12	1.000	06 Oct 2021 01:37 pm
14) 100614.D	8260.M			
CCV-33960B GX	O-VOC-GX-S	13	1.000	06 Oct 2021 02:08 pm
15) 100615.D	8260.M			
CLEANOUT	O-VOC-GX-S	14	1.000	06 Oct 2021 02:39 pm
16) 100616.D	8260.M			
2110067-024B	O-VOC-GX-S	15	1.000	06 Oct 2021 03:11 pm
17) 100617.D	8260.M			
2110067-025B	O-VOC-GX-S	16	1.000	06 Oct 2021 03:42 pm
18) 100618.D	8260.M			
2110067-026B	O-VOC-GX-S	17	1.000	06 Oct 2021 04:13 pm
19) 100619.D	8260.M			
2110067-027B	O-VOC-GX-S	18	1.000	06 Oct 2021 04:44 pm
20) 100620.D	8260.M			
2110067-028B	O-VOC-GX-S	19	1.000	06 Oct 2021 05:15 pm
21) 100621.D	8260.M			
2110067-029B	O-VOC-GX-S	20	1.000	06 Oct 2021 05:46 pm

22) 100622.D 8260.M
2110067-030B O-VOC-GX-S 21 1.000 06 Oct 2021 06:17 pm
---
23) 100623.D 8260.M
2110067-033B O-VOC-GX-S 22 1.000 06 Oct 2021 06:48 pm
---
24) 100624.D 8260.M
2110067-034B O-VOC-GX-S 23 1.000 06 Oct 2021 07:19 pm
---
25) 100625.D 8260.M
2110067-035B O-VOC-GX-S 24 1.000 06 Oct 2021 07:50 pm
---
26) 100626.D 8260.M
2110067-036B O-VOC-GX-S 25 1.000 06 Oct 2021 08:21 pm
---
27) 100627.D 8260.M
2110067-037B O-VOC-GX-S 26 1.000 06 Oct 2021 08:52 pm
---
28) 100628.D 8260.M
2110067-038B O-VOC-GX-S 27 1.000 06 Oct 2021 09:23 pm
---
29) 100629.D 8260.M
2110067-040B O-VOC-GX-S 28 1.000 06 Oct 2021 09:54 pm
---
30) 100630.D 8260.M
2110067-039B 10X O-VOC-GX-S 29 1.000 06 Oct 2021 10:25 pm
---
31) 100631.D 8260.M
CLEANOUT O-VOC-GX-S 14 1.000 06 Oct 2021 10:56 pm
---
32) 100632.D 8260.M
CCV-33960C GX O-VOC-GX-S 30 1.000 06 Oct 2021 11:27 pm
---
33) 100633.D 8260.M
CCV-33972A_LCS-339.. O-VOC-S 31 1.000 06 Oct 2021 11:58 pm
---
34) 100634.D 8260.M
LCS-33972 GX O-VOC-GX-S 32 1.000 07 Oct 2021 12:29 am
---
35) 100635.D 8260.M
CLEANOUT O-VOC-S 33 1.000 07 Oct 2021 01:00 am
---
36) 100636.D 8260.M
MB-33972 O-VOC-S 34 1.000 07 Oct 2021 01:30 am
---
37) 100637.D 8260.M
2110081-002B O-VOC-S 35 1.000 07 Oct 2021 02:01 am
---
38) 100638.D 8260.M
2110089-001B O-VOC-S 36 1.000 07 Oct 2021 02:32 am
---
39) 100639.D 8260.M
2110089-002B O-VOC-S 37 1.000 07 Oct 2021 03:03 am
---
40) 100640.D 8260.M
2110089-002BDUP O-VOC-S 38 1.000 07 Oct 2021 03:34 am
---
41) 100641.D 8260.M
2110089-003B O-VOC-S 39 1.000 07 Oct 2021 04:05 am
---
42) 100642.D 8260.M
2110089-004B O-VOC-S 40 1.000 07 Oct 2021 04:36 am
---
43) 100643.D 8260.M
2110089-005B O-VOC-S 41 1.000 07 Oct 2021 05:07 am
---
44) 100644.D 8260.M
2110081-001B 10X O-VOC-S 42 1.000 07 Oct 2021 05:38 am
---
45) 100645.D 8260.M

2110089-003BMS VOC O-VOC-S 43 1.000 07 Oct 2021 06:09 am

---

46) 100646.D 8260.M

2110081-002BMS GX O-VOC-GX-S 44 1.000 07 Oct 2021 06:39 am

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47) 100647.D 8260.M

CCV-33972B VOC O-VOC-S 45 1.000 07 Oct 2021 07:10 am

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48) 100648.D 8260.M

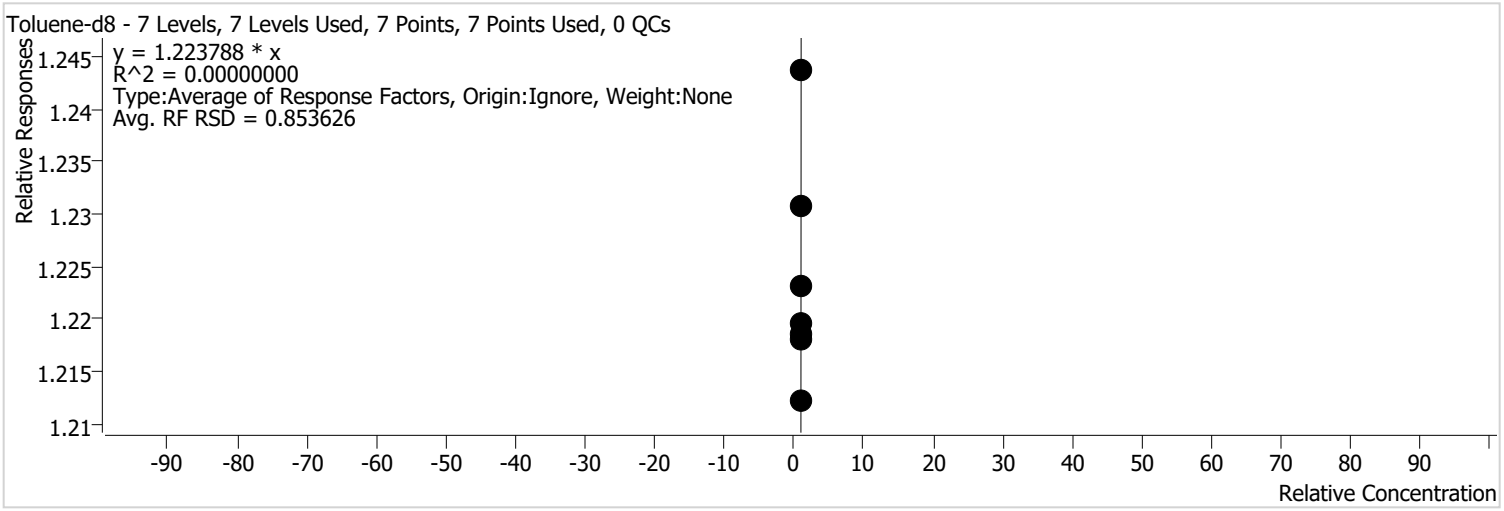
CCV-33972B GX O-VOC-GX-S 46 1.000 07 Oct 2021 07:41 am

Calibration

Calibration Report

Batch Path	D:\GC-9\DATA\092821\QuantResults\GX CAL.batch.bin		
Analysis Time	9/29/2021 7:22 AM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:22:14 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 7:20 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

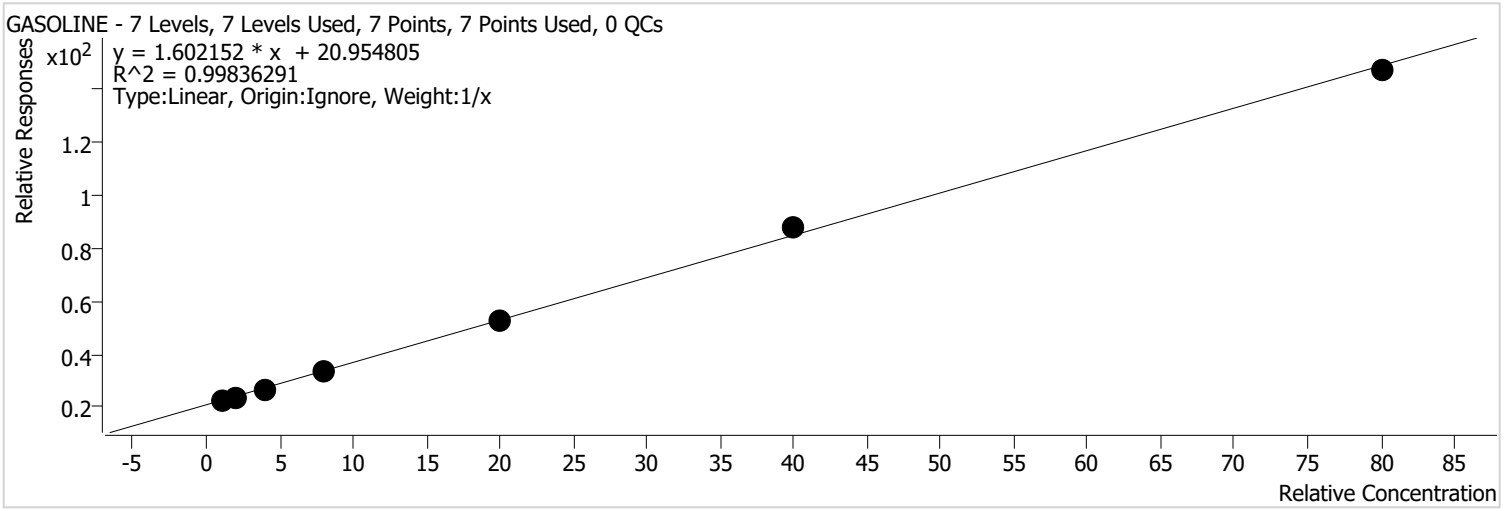
Toluene-d8 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092821.D	Calibration	7	x	9740924	25.0000	1.2437	
D:\GC-9\DATA\092821\092820.D	Calibration	6	x	9388801	25.0000	1.2309	
D:\GC-9\DATA\092821\092819.D	Calibration	5	x	9318370	25.0000	1.2232	
D:\GC-9\DATA\092821\092818.D	Calibration	4	x	8993047	25.0000	1.2123	
D:\GC-9\DATA\092821\092817.D	Calibration	3	x	9135740	25.0000	1.2181	
D:\GC-9\DATA\092821\092816.D	Calibration	2	x	9303923	25.0000	1.2196	
D:\GC-9\DATA\092821\092815.D	Calibration	1	x	9323213	25.0000	1.2186	

Batch Path	D:\GC-9\DATA\092821\QuantResults\GX CAL.batch.bin		
Analysis Time	9/29/2021 7:22 AM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:22:15 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 7:20 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

GASOLINE %RSE = 10.3

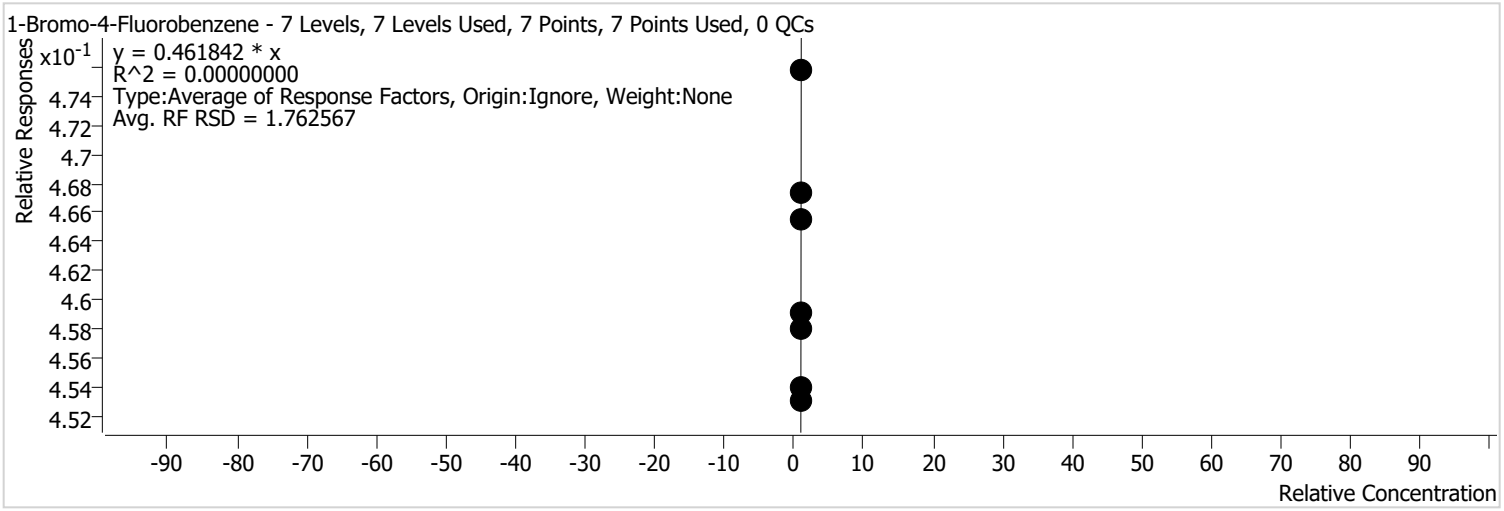


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092815.D	Calibration	1	x	149259844	25.0000	22.8444	
D:\GC-9\DATA\092821\092816.D	Calibration	2	x	155943657	50.0000	11.9034	
D:\GC-9\DATA\092821\092817.D	Calibration	3	x	174636453	100.0000	6.7237	
D:\GC-9\DATA\092821\092818.D	Calibration	4	x	216052580	200.0000	4.2032	
D:\GC-9\DATA\092821\092819.D	Calibration	5	x	345382459	500.0000	2.6156	
D:\GC-9\DATA\092821\092820.D	Calibration	6	x	589807079	1000.0000	2.2088	
D:\GC-9\DATA\092821\092821.D	Calibration	7	x	1037939461	2000.0000	1.8397	

Calibration Report

Batch Path	D:\GC-9\DATA\092821\QuantResults\GX CAL.batch.bin		
Analysis Time	9/29/2021 7:22 AM	**Analyst Name**	FA\GC9
Report Time	9/29/2021 12:22:15 PM	**Reporter Name**	FA\GC9
Last Calib Update	9/29/2021 7:20 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1-Bromo-4-Fluorobenzene %RSE =

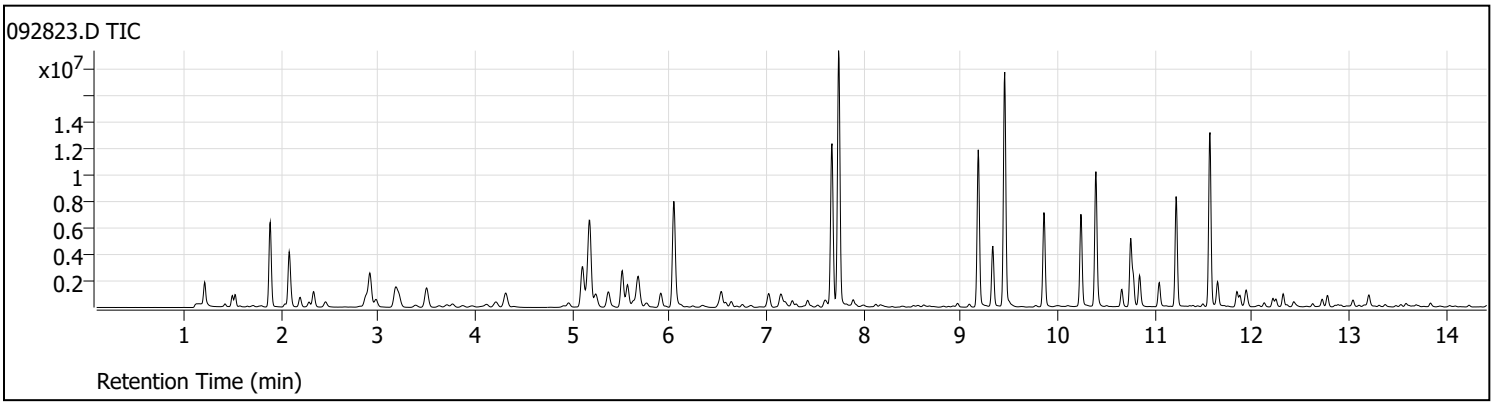


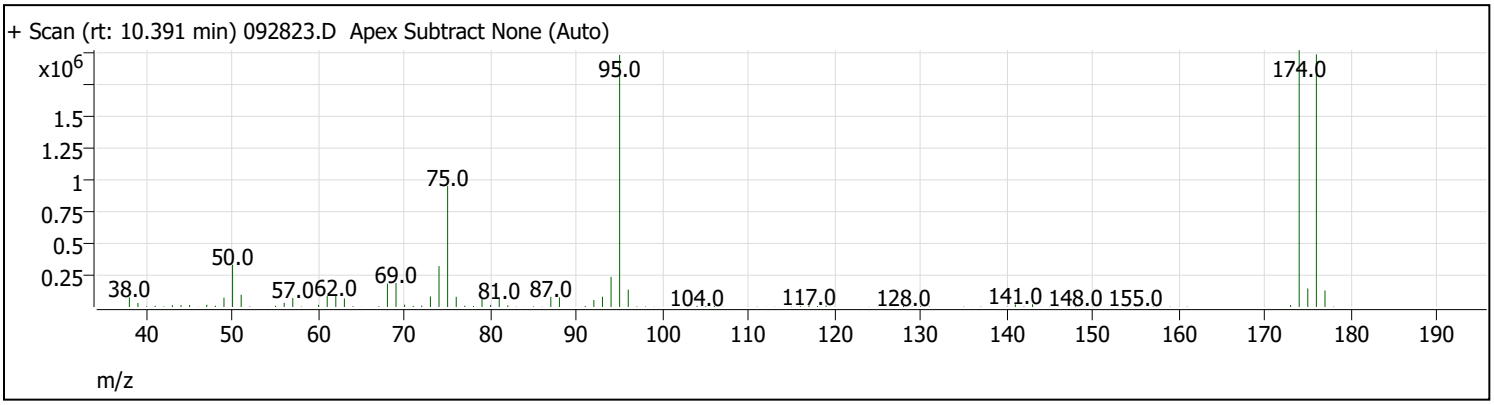
Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\092821\092821.D	Calibration	7	x	3726084	25.0000	0.4757	
D:\GC-9\DATA\092821\092820.D	Calibration	6	x	3565521	25.0000	0.4675	
D:\GC-9\DATA\092821\092819.D	Calibration	5	x	3545879	25.0000	0.4655	
D:\GC-9\DATA\092821\092818.D	Calibration	4	x	3405467	25.0000	0.4591	
D:\GC-9\DATA\092821\092817.D	Calibration	3	x	3435605	25.0000	0.4581	
D:\GC-9\DATA\092821\092816.D	Calibration	2	x	3462799	25.0000	0.4539	
D:\GC-9\DATA\092821\092815.D	Calibration	1	x	3466804	25.0000	0.4531	

Tunes

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\092821\092823.D
Acq on:	9/29/2021 2:29:57 AM
Operator:	FA\GC9
Sample:	ICB
Inst Name:	GC-9
ALS Vial:	21
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

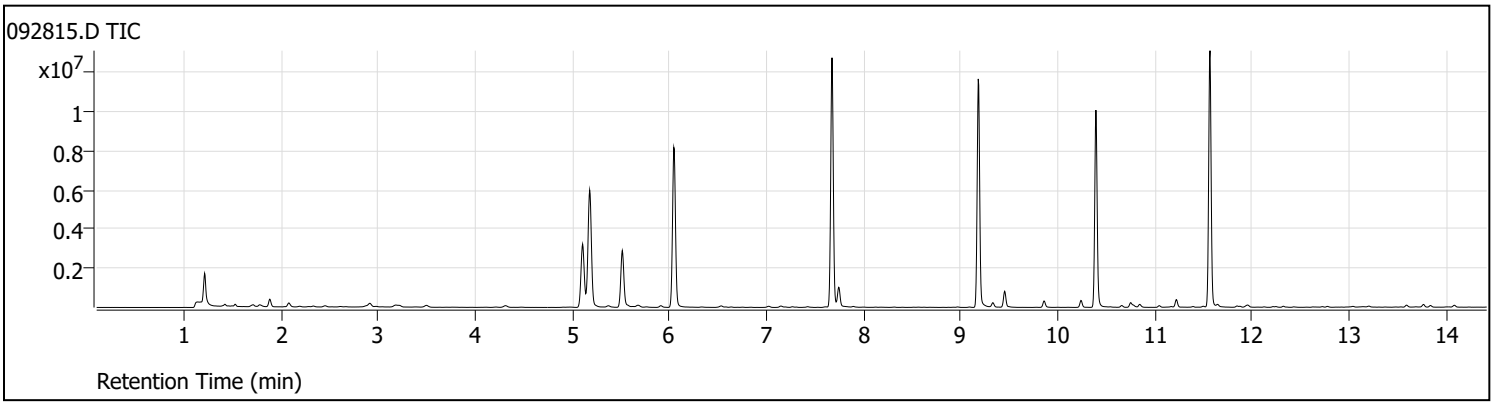


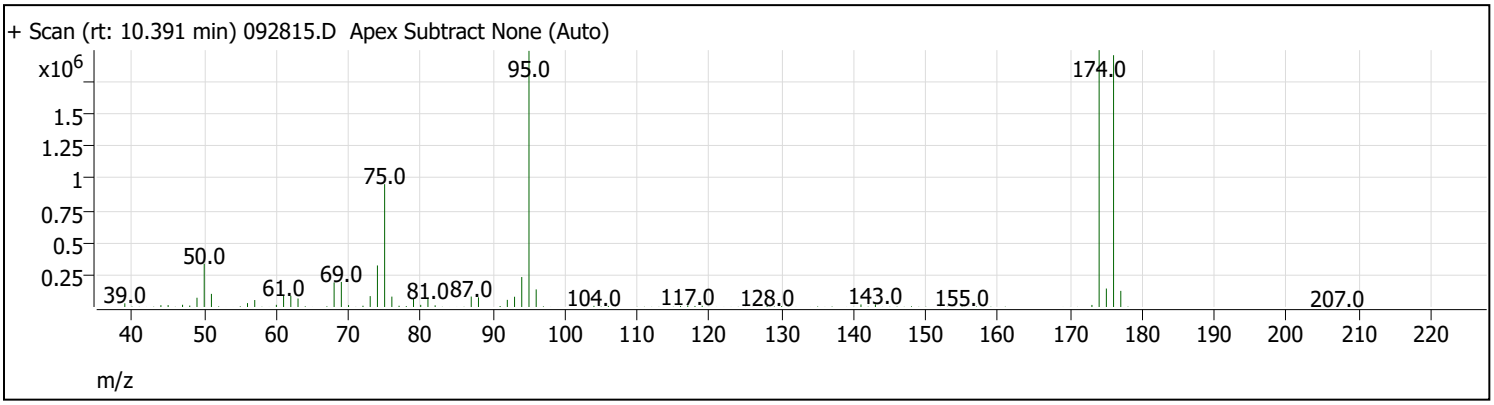


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	98.1	1976832	Pass
96	95	5	9	6.9	135872	Pass
173	174	0	2	0.8	15537	Pass
174	95	50	200	101.9	2014208	Pass
175	174	5	9	7.2	145408	Pass
176	174	95	105	98.4	1981440	Pass
177	176	5	10	6.6	129864	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\092821\092815.D
Acq on:	9/28/2021 10:22:17 PM
Operator:	FA\GC9
Sample:	GX CAL1 25970
Inst Name:	GC-9
ALS Vial:	13
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

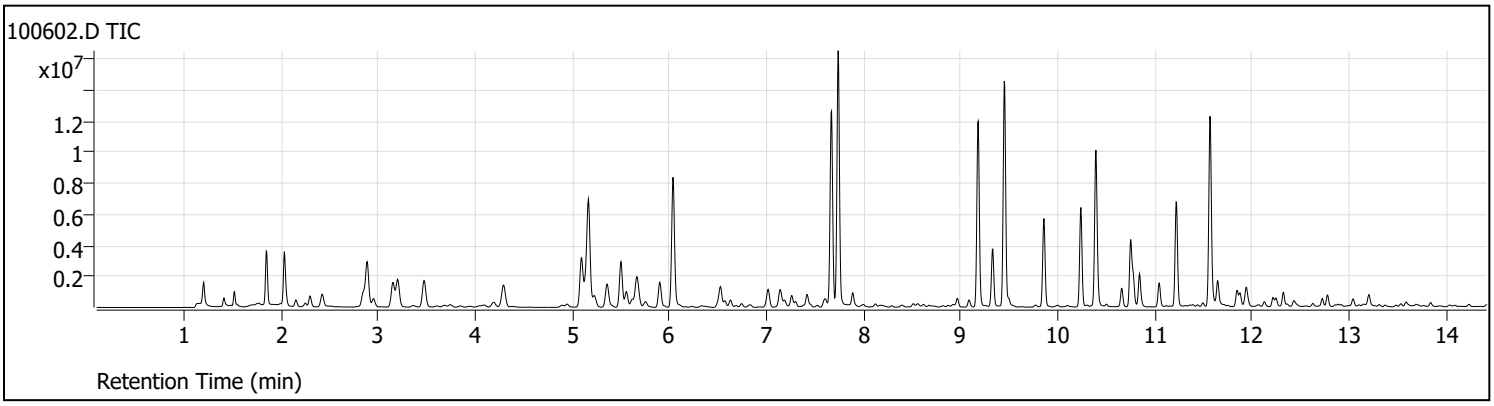


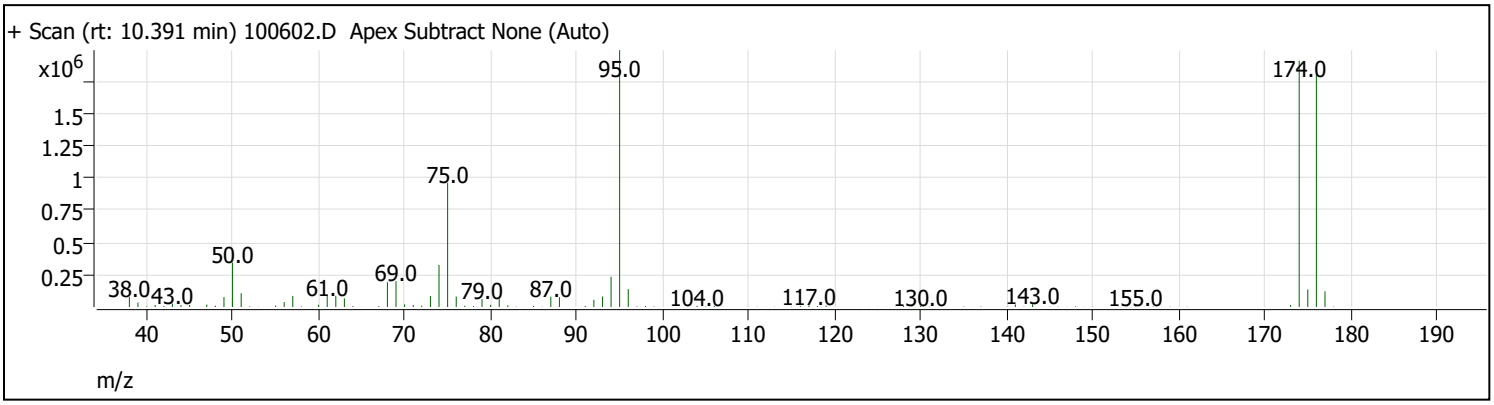


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	99.7	1992192	Pass
96	95	5	9	6.9	137024	Pass
173	174	0	2	0.8	16089	Pass
174	95	50	200	100.3	1997824	Pass
175	174	5	9	7.2	143488	Pass
176	174	95	105	98.0	1958400	Pass
177	176	5	10	6.4	125480	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\100621\100602.D
Acq on:	10/6/2021 7:57:09 AM
Operator:	FA\GC9
Sample:	CCV-33960A GX
Inst Name:	GC-9
ALS Vial:	2
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

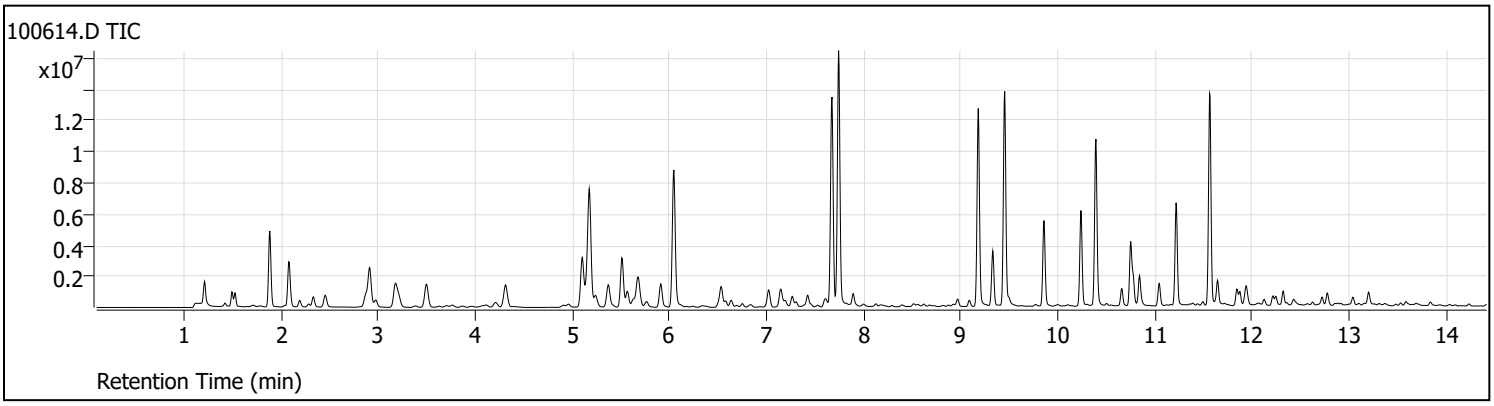


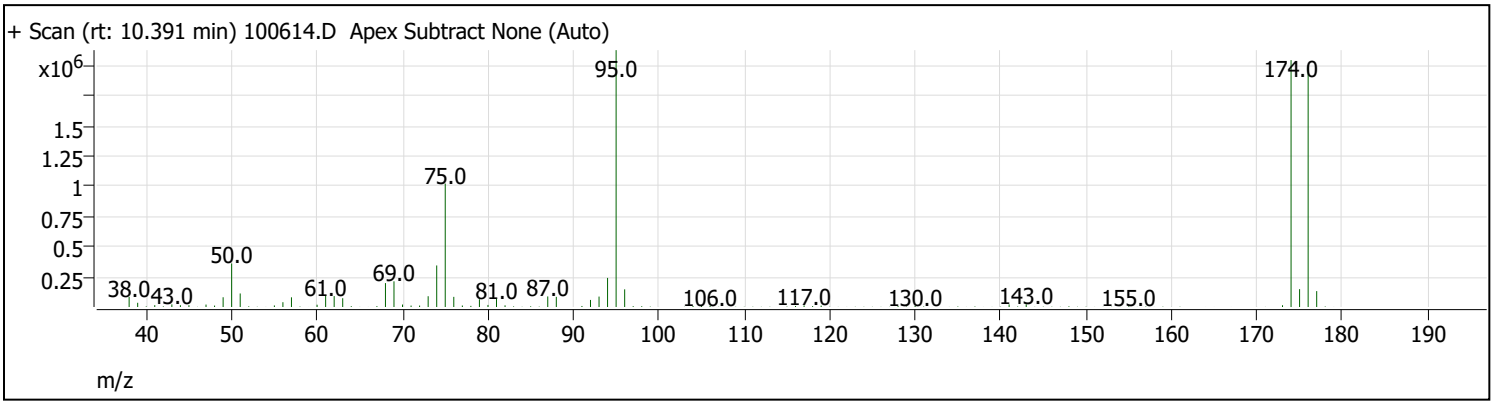


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	104.3	1986048	Pass
96	95	5	9	7.0	138432	Pass
173	174	0	2	0.8	15398	Pass
174	95	50	200	95.9	1904128	Pass
175	174	5	9	7.1	135936	Pass
176	174	95	105	97.7	1860608	Pass
177	176	5	10	6.5	120984	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\100621\100614.D
Acq on:	10/6/2021 2:08:55 PM
Operator:	FA\GC9
Sample:	CCV-33960B GX
Inst Name:	GC-9
ALS Vial:	13
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

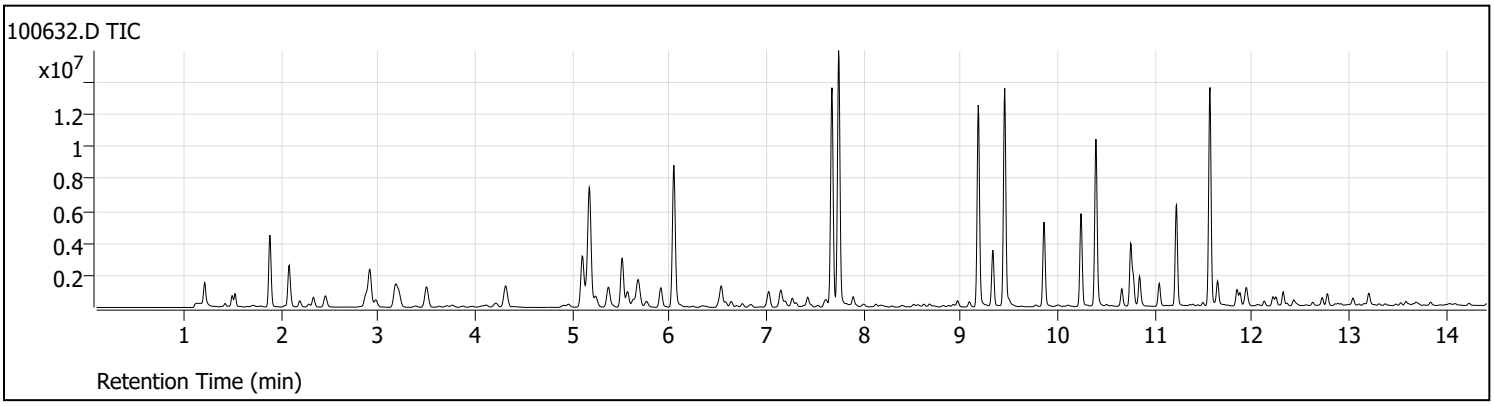


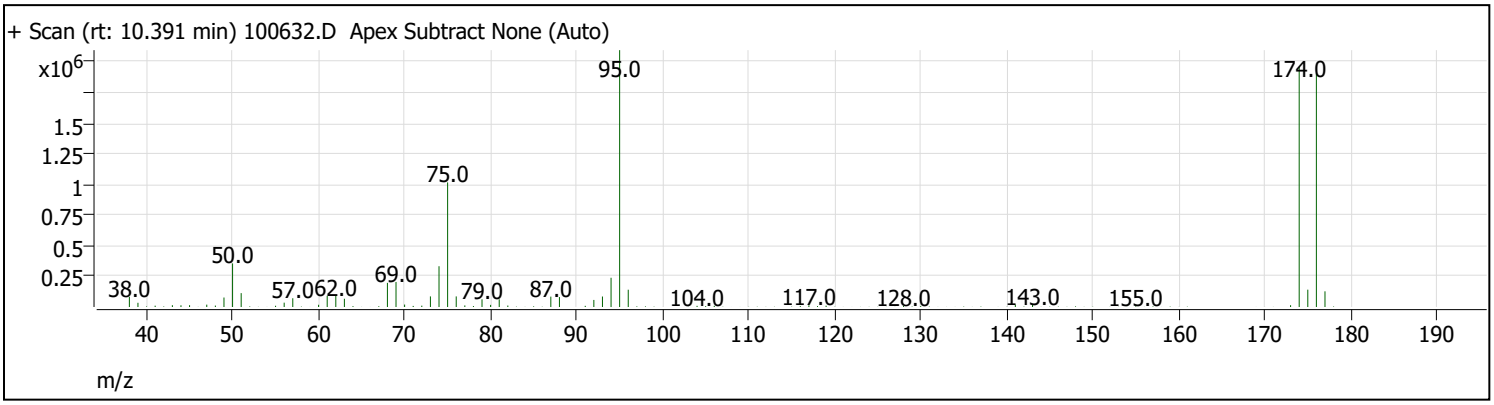


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	104.0	2125824	Pass
96	95	5	9	6.9	146240	Pass
173	174	0	2	0.7	14513	Pass
174	95	50	200	96.1	2043392	Pass
175	174	5	9	7.2	147712	Pass
176	174	95	105	97.9	2000896	Pass
177	176	5	10	6.6	131392	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\100621\100632.D
Acq on:	10/6/2021 11:27:16 PM
Operator:	FA\GC9
Sample:	CCV-33960C GX
Inst Name:	GC-9
ALS Vial:	30
Method:	D:\MassHunter\Methods\Quant\BFB2021.m





Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	107.0	2095104	Pass
96	95	5	9	6.7	141056	Pass
173	174	0	2	0.7	14658	Pass
174	95	50	200	93.5	1958912	Pass
175	174	5	9	7.2	141440	Pass
176	174	95	105	97.5	1909760	Pass
177	176	5	10	6.7	127776	Pass

DATA SET for Review -- Deliverable Requirements

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Fremont Analytical Work Order No. 2110067

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Injection Log

Data Directory: C:\GC-14\Data\2021\082321\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	082301.D	PAH-SIM.M			
co			2	1.000	23 Aug 2021 08:14 am
2)	082302.D	SEMI9.M			
TUNE			1	1.000	23 Aug 2021 08:35 am
3)	082303.D	PAH-SIM.M			
CCV-			2	1.000	23 Aug 2021 08:57 am
4)	082304.D	PAH-SIM.M			
PAH 10			12	1.000	23 Aug 2021 09:38 am
5)	082305.D	PAH-SIM.M			
PAH 20			13	1.000	23 Aug 2021 09:59 am
6)	082306.D	PAH-SIM.M			
PAH 40			14	1.000	23 Aug 2021 10:21 am
7)	082307.D	PAH-SIM.M			
PAH 100			15	1.000	23 Aug 2021 10:42 am
8)	082308.D	PAH-SIM.M			
PAH 200			16	1.000	23 Aug 2021 11:04 am
9)	082309.D	PAH-SIM.M			
PAH 500			17	1.000	23 Aug 2021 11:25 am
10)	082310.D	PAH-SIM.M			
PAH 750			18	1.000	23 Aug 2021 11:47 am
11)	082311.D	PAH-SIM.M			
PAH 1000			19	1.000	23 Aug 2021 12:09 pm
12)	082312.D	PAH-SIM.M			
PAH 2000			20	1.000	23 Aug 2021 12:30 pm
13)	082313.D	PAH-SIM.M			
PAH 5000			21	1.000	23 Aug 2021 12:52 pm
14)	082314.D	PAH-SIM.M			
PAH ICB			22	1.000	23 Aug 2021 01:14 pm
15)	082315.D	PAH-SIM.M			
PAH ICV			23	1.000	23 Aug 2021 01:35 pm
16)	082316.D	PAH-SIM.M			
CO			2	1.000	23 Aug 2021 01:57 pm
17)	082317.D	PAH-LOWLEVEL.M			
PAH LL 2			11	1.000	23 Aug 2021 02:19 pm
18)	082318.D	PAH-LOWLEVEL.M			
PAH LL 10			12	1.000	23 Aug 2021 02:40 pm
19)	082319.D	PAH-LOWLEVEL.M			
PAH LL 20			13	1.000	23 Aug 2021 03:02 pm
20)	082320.D	PAH-LOWLEVEL.M			
PAH LL 40			14	1.000	23 Aug 2021 03:23 pm
21)	082321.D	PAH-LOWLEVEL.M			
PAH LL 100			15	1.000	23 Aug 2021 03:45 pm

22) 082322.D	PAH-LOWLEVEL.M				
PAH LL 200		16	1.000	23 Aug 2021	04:07 pm
23) 082323.D	PAH-LOWLEVEL.M				
PAH LL 500		17	1.000	23 Aug 2021	04:28 pm
24) 082324.D	PAH-LOWLEVEL.M				
PAH LL 750		18	1.000	23 Aug 2021	04:50 pm
25) 082325.D	PAH-LOWLEVEL.M				
PAH LL 1000		19	1.000	23 Aug 2021	05:11 pm
26) 082326.D	PAH-LOWLEVEL.M				
PAH LL 2000		20	1.000	23 Aug 2021	05:33 pm
27) 082327.D	PAH-LOWLEVEL.M				
PAH LL 5000		21	1.000	23 Aug 2021	05:55 pm
28) 082328.D	PAH-LOWLEVEL.M				
PAH LL ICB		22	1.000	23 Aug 2021	06:16 pm
29) 082329.D	PAH-LOWLEVEL.M				
PAH LL ICV		23	1.000	23 Aug 2021	06:38 pm

Injection Log

Data Directory: C:\GC-14\Data\2021\100721\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 100701.D	8270E_SIM_625.M			
CO		2	1.000	07 Oct 2021 07:58 am
2) 100702.D	8270E_SCAN_625.M			
TUNE		1	1.000	07 Oct 2021 08:19 am
3) 100703.D	8270E_SIM_625.M			
CCV		2	1.000	07 Oct 2021 08:41 am
4) 100704.D	8270E_SIM_625.M			
CO		2	1.000	07 Oct 2021 09:05 am
5) 100705.D	8270E_SIM_625.M			
CO		2	1.000	07 Oct 2021 10:03 am
6) 100706.D	8270E_SIM_625.M			
CCV check		2	1.000	07 Oct 2021 10:25 am
7) 100707.D	8270E_SIM_625.M			
CCV-33954		2	1.000	07 Oct 2021 10:47 am
8) 100708.D	8270E_SIM_625.M			
MB-33954		31	1.000	07 Oct 2021 11:12 am
9) 100709.D	8270E_SIM_625.M			
LCS-33954		32	1.000	07 Oct 2021 11:33 am
10) 100710.D	8270E_SIM_625.M			
LCSD-33954		33	1.000	07 Oct 2021 11:54 am
11) 100711.D	8270E_SIM_625.M			
2109538-001C		34	1.000	07 Oct 2021 12:16 pm
12) 100712.D	8270E_SIM_625.M			
2109540-001C		35	1.000	07 Oct 2021 12:37 pm
13) 100713.D	8270E_SIM_625.M			
2109540-001CMS		36	1.000	07 Oct 2021 12:59 pm
14) 100714.D	8270E_SIM_625.M			
MB-33977		51	1.000	07 Oct 2021 01:20 pm
15) 100715.D	8270E_SIM_625.M			
LCS-33977		52	1.000	07 Oct 2021 01:42 pm
16) 100716.D	8270E_SIM_625.M			
2110067-032A		53	1.000	07 Oct 2021 02:04 pm
17) 100717.D	8270E_SIM_625.M			
2110088-004A		60	1.000	07 Oct 2021 02:25 pm
18) 100718.D	8270E_SIM_625.M			
2110088-004AMS		61	1.000	07 Oct 2021 02:47 pm
19) 100719.D	8270E_SIM_625.M			
2110088-004AMSD		62	1.000	07 Oct 2021 03:08 pm
20) 100720.D	8270E_SIM_625.M			
2110046-001A		54	1.000	07 Oct 2021 03:30 pm
21) 100721.D	8270E_SIM_625.M			
2110046-002A		55	1.000	07 Oct 2021 03:51 pm

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 22) 100722.D              8270E_SIM_625.M
2110046-003A                              56    1.000     07 Oct 2021  04:13 pm
  ----------------------------------------------------------------------------
 23) 100723.D              8270E_SIM_625.M
2110046-004A                              57    1.000     07 Oct 2021  04:34 pm
  ----------------------------------------------------------------------------
 24) 100724.D              8270E_SIM_625.M
2110046-005A                              58    1.000     07 Oct 2021  04:56 pm
  ----------------------------------------------------------------------------
 25) 100725.D              8270E_SIM_625.M
2110088-003A                              59    1.000     07 Oct 2021  05:18 pm
  ----------------------------------------------------------------------------
 26) 100726.D              8270E_SIM_625.M
QCS-33954                                  2    1.000     07 Oct 2021  05:39 pm
  ----------------------------------------------------------------------------
 27) 100801.D              8270E_SIM_625.M
CO                                         2    1.000     08 Oct 2021  09:10 am
  ----------------------------------------------------------------------------
 28) 100802.D              8270E_SCAN_625.M
TUNE                                       1    1.000     08 Oct 2021  09:31 am
  ----------------------------------------------------------------------------
 29) 100803.D              8270E_SIM_625.M
CCV                                        2    1.000     08 Oct 2021  09:53 am
  ----------------------------------------------------------------------------
 30) 100804.D              8270E_SIM_625.M
2110088-004A 10X                          63    1.000     08 Oct 2021  10:27 am
  ----------------------------------------------------------------------------
 31) 100805.D              8270E_SIM_625.M
QCS                                        2    1.000     08 Oct 2021  10:48 am
  ----------------------------------------------------------------------------
```
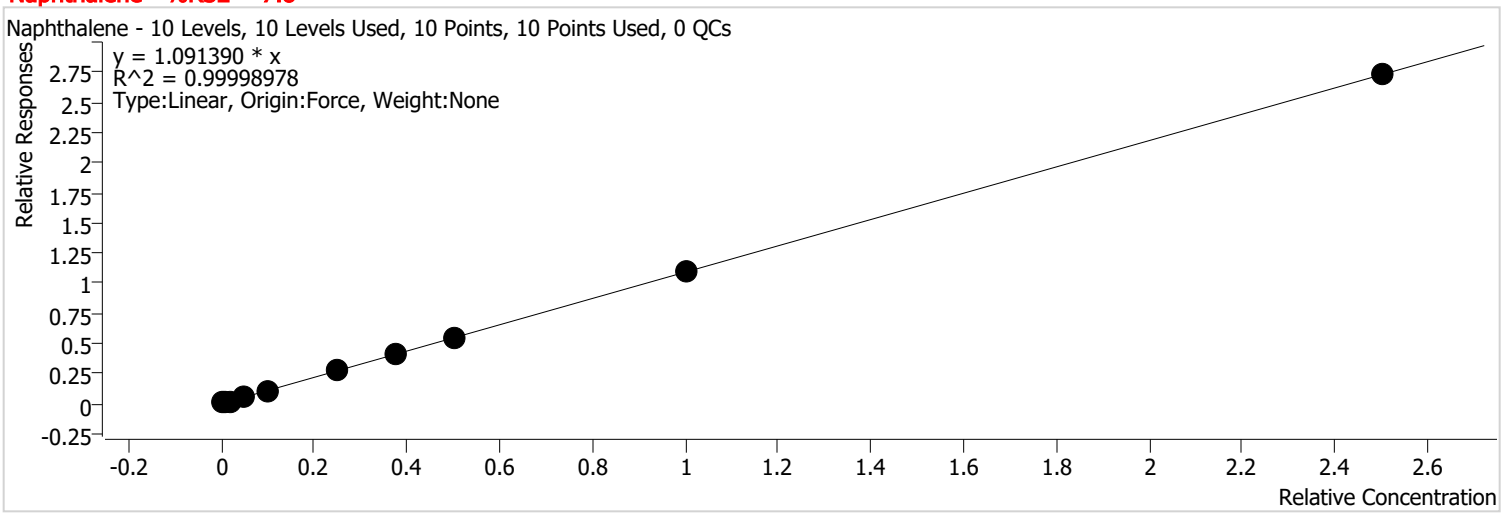

Calibration

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:53 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Naphthalene %RSE = 7.8

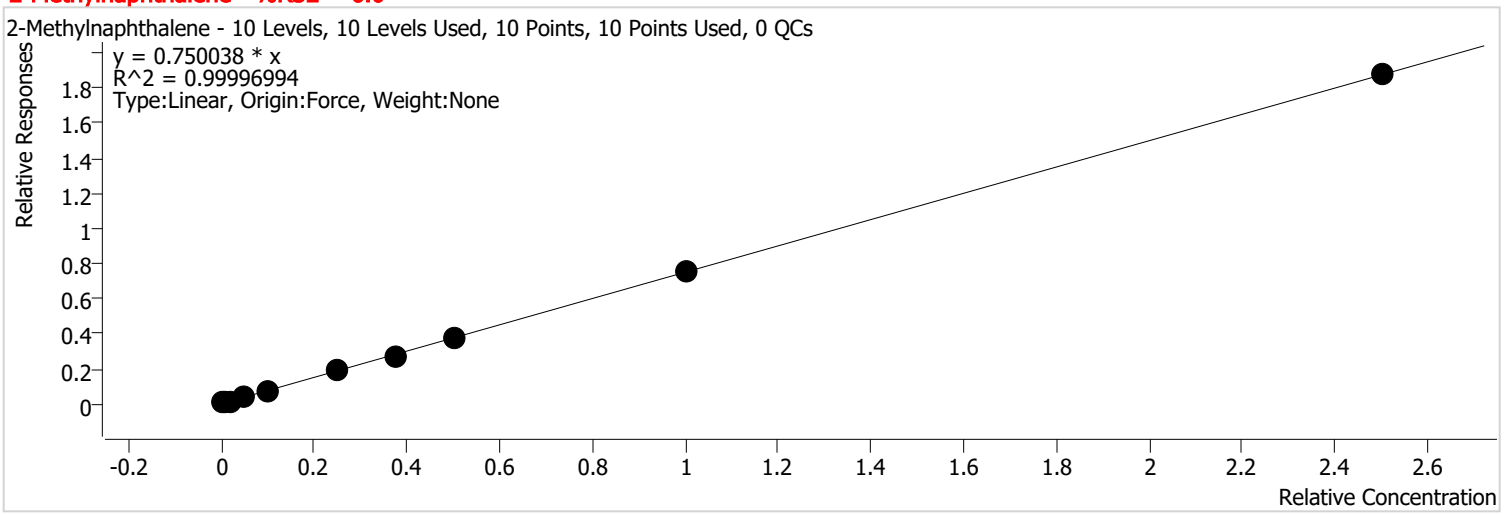


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	444	10.0000	1.2464	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	887	20.0000	1.2229	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1651	40.0000	1.2104	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3872	100.0000	1.1251	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	7971	200.0000	1.1282	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	20406	500.0000	1.1157	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	29917	750.0000	1.0885	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	40650	1000.0000	1.0924	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	83113	2000.0000	1.0897	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	205815	5000.0000	1.0914	

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Methylnaphthalene %RSE = 6.0

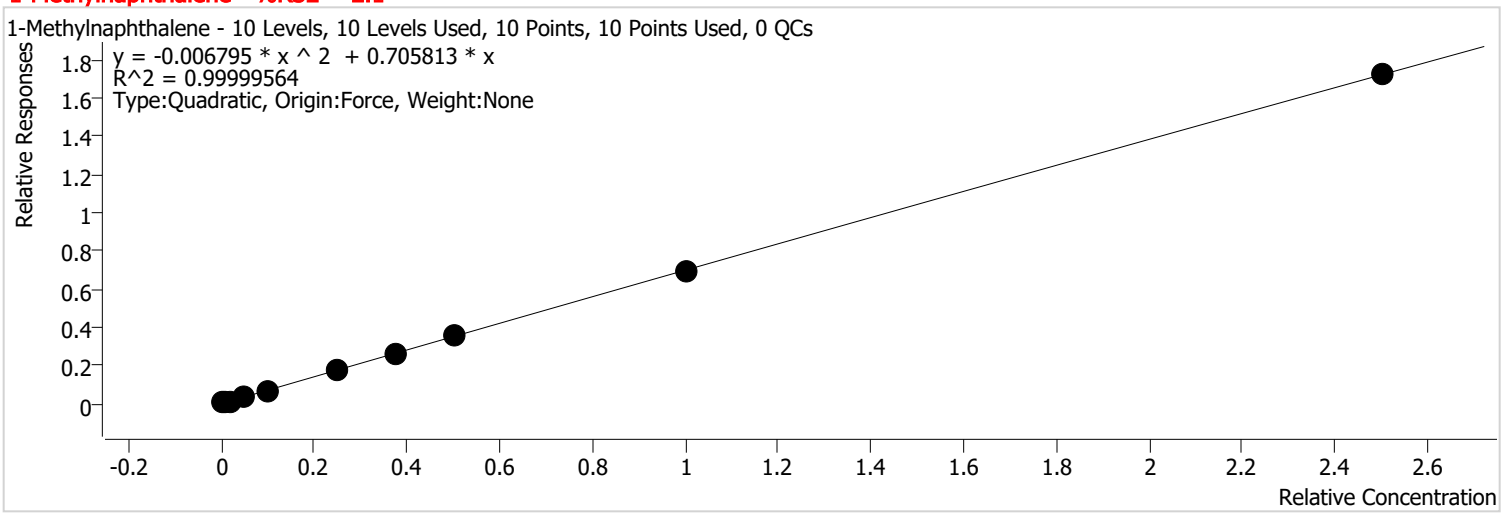


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	250	10.0000	0.7025	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	469	20.0000	0.6468	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1037	40.0000	0.7602	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2425	100.0000	0.7047	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5101	200.0000	0.7219	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	13625	500.0000	0.7450	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	20001	750.0000	0.7277	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	28064	1000.0000	0.7542	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	57289	2000.0000	0.7511	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	141499	5000.0000	0.7503	

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1-Methylnaphthalene %RSE = 2.1

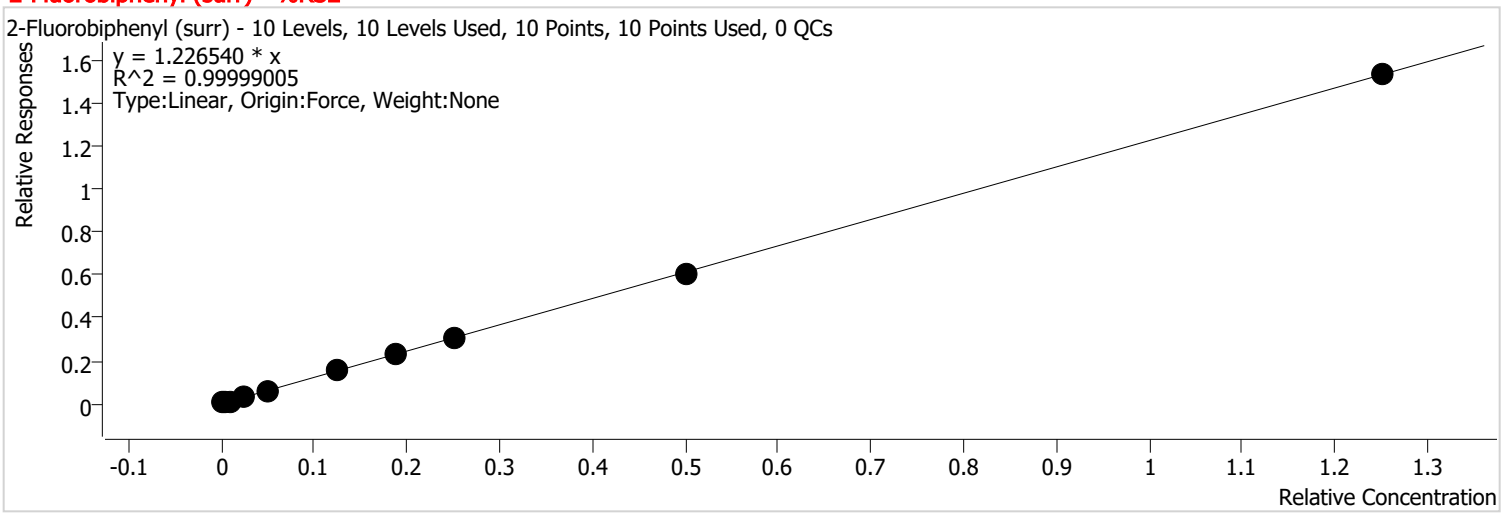


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	261	10.0000	0.7316	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	503	20.0000	0.6931	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	993	40.0000	0.7279	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2442	100.0000	0.7097	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5072	200.0000	0.7179	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	13003	500.0000	0.7109	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	19431	750.0000	0.7070	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	26181	1000.0000	0.7036	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	53165	2000.0000	0.6970	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	129920	5000.0000	0.6889	

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Fluorobiphenyl (surr) %RSE =

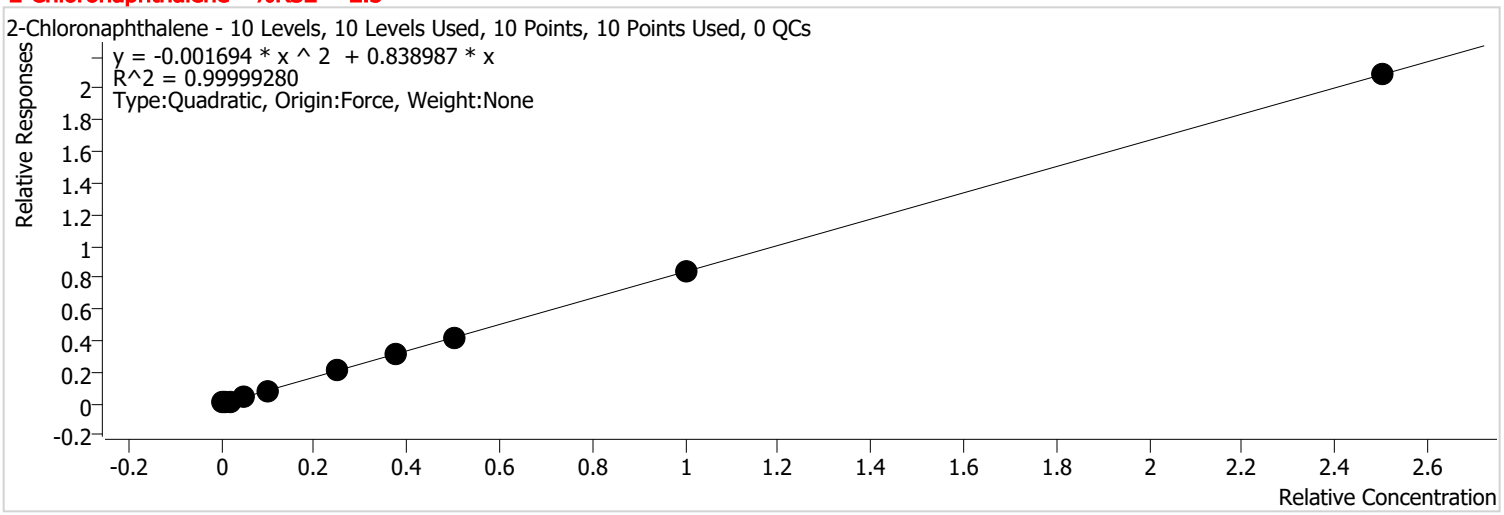


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	231	5.0000	1.2959	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	459	10.0000	1.2652	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	878	20.0000	1.2880	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2123	50.0000	1.2340	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	4467	100.0000	1.2646	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	11437	250.0000	1.2507	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	16924	375.0000	1.2316	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	22912	500.0000	1.2315	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	46614	1000.0000	1.2223	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	115659	2500.0000	1.2266	

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

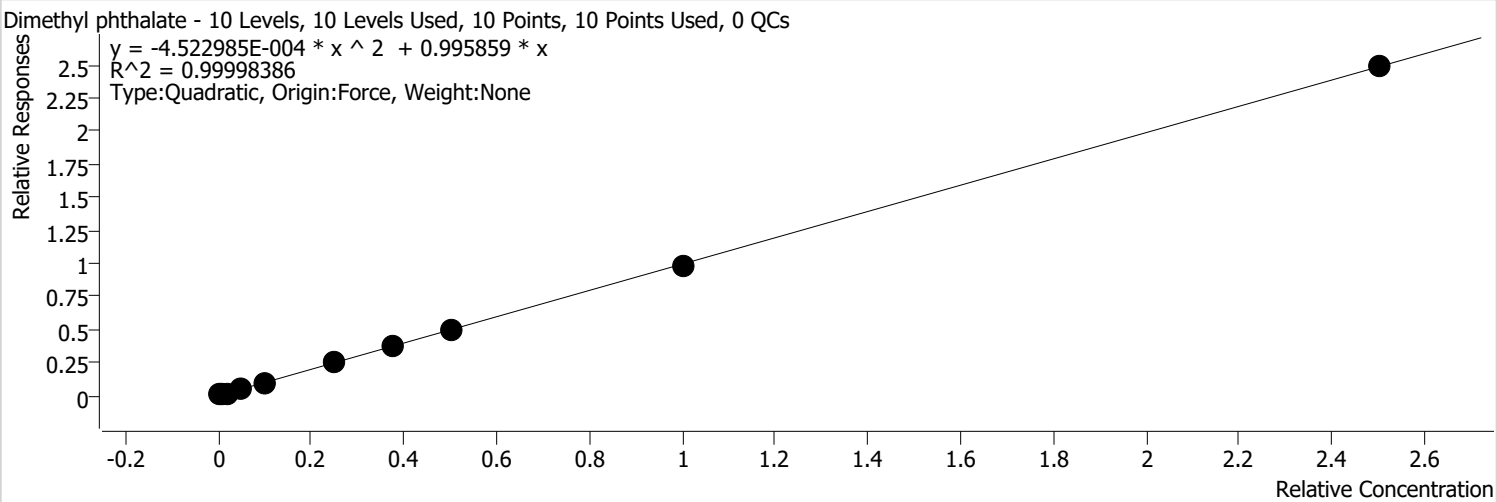
2-Chloronaphthalene %RSE = 2.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	312	10.0000	0.8747	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	598	20.0000	0.8252	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1141	40.0000	0.8365	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2799	100.0000	0.8132	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	6045	200.0000	0.8555	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	15491	500.0000	0.8469	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	22743	750.0000	0.8275	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	31282	1000.0000	0.8407	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	63893	2000.0000	0.8377	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	157418	5000.0000	0.8347	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

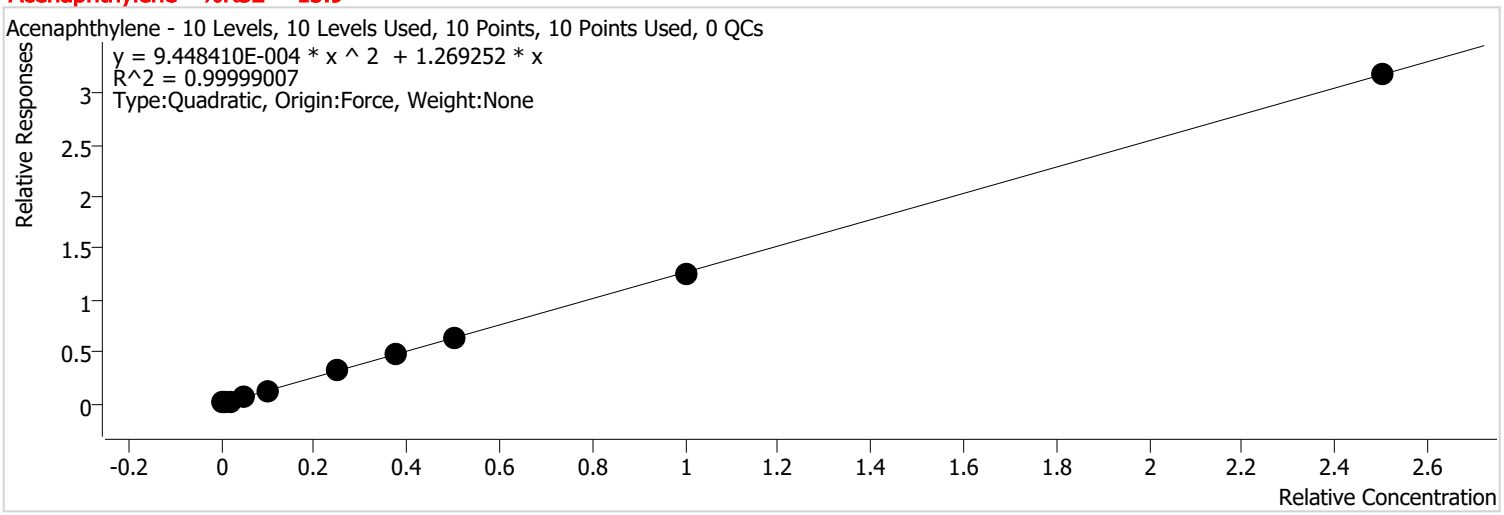
Dimethyl phthalate %RSE = 29.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	617	10.0000	1.7331	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	853	20.0000	1.1756	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1502	40.0000	1.1011	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3475	100.0000	1.0099	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	7239	200.0000	1.0246	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	18444	500.0000	1.0084	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	27735	750.0000	1.0092	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	37045	1000.0000	0.9956	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	75582	2000.0000	0.9909	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	187633	5000.0000	0.9950	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Acenaphthylene %RSE = 13.9

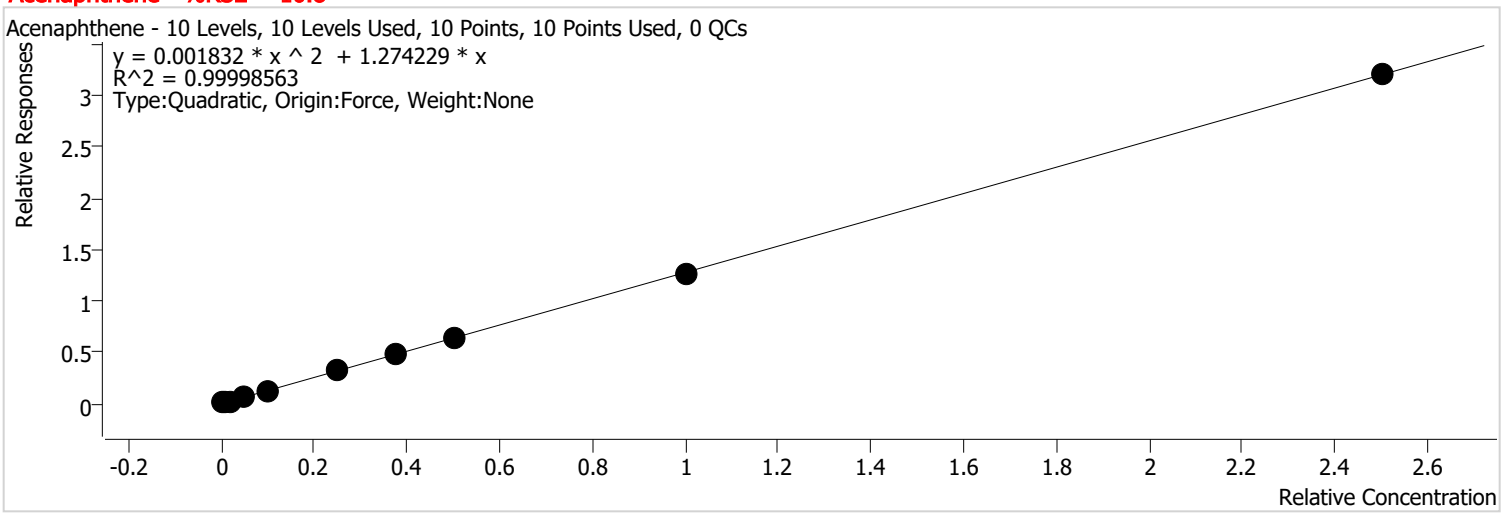


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	608	10.0000	1.7079	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1016	20.0000	1.4012	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1825	40.0000	1.3381	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4381	100.0000	1.2729	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	9258	200.0000	1.3103	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	23709	500.0000	1.2963	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	34978	750.0000	1.2727	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	47244	1000.0000	1.2697	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	96590	2000.0000	1.2663	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	239846	5000.0000	1.2718	

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

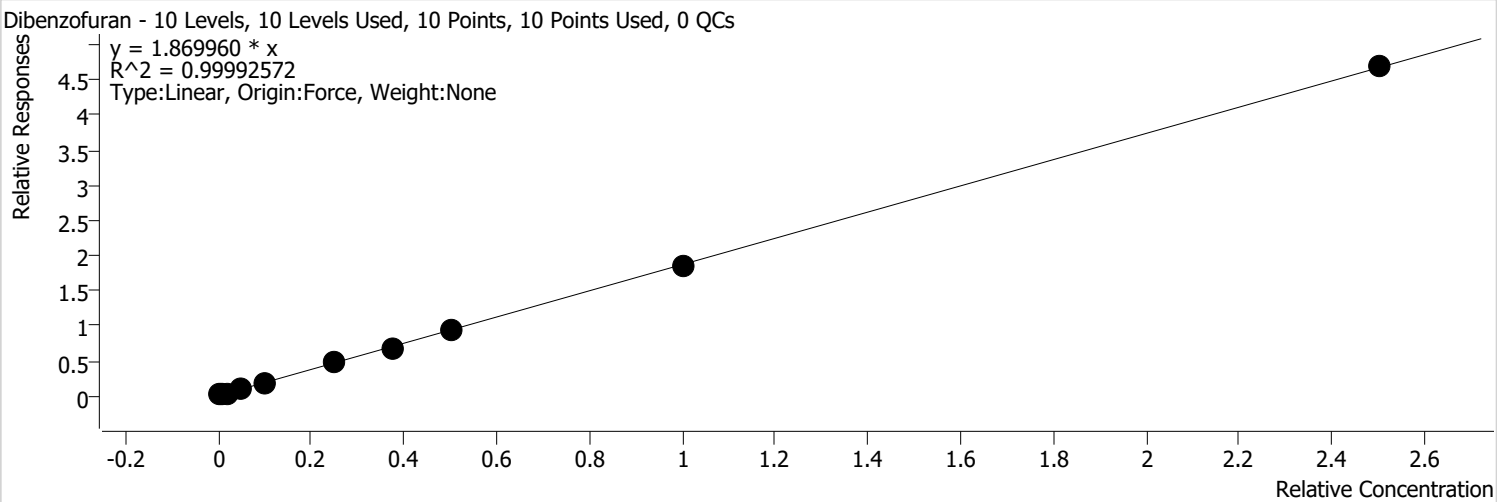
Acenaphthene %RSE = 10.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	366	10.0000	1.5902	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	639	20.0000	1.3598	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1253	40.0000	1.4221	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2911	100.0000	1.2930	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	6021	200.0000	1.3314	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	15393	500.0000	1.3054	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	22727	750.0000	1.2797	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	30437	1000.0000	1.2730	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	62549	2000.0000	1.2718	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	153217	5000.0000	1.2790	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

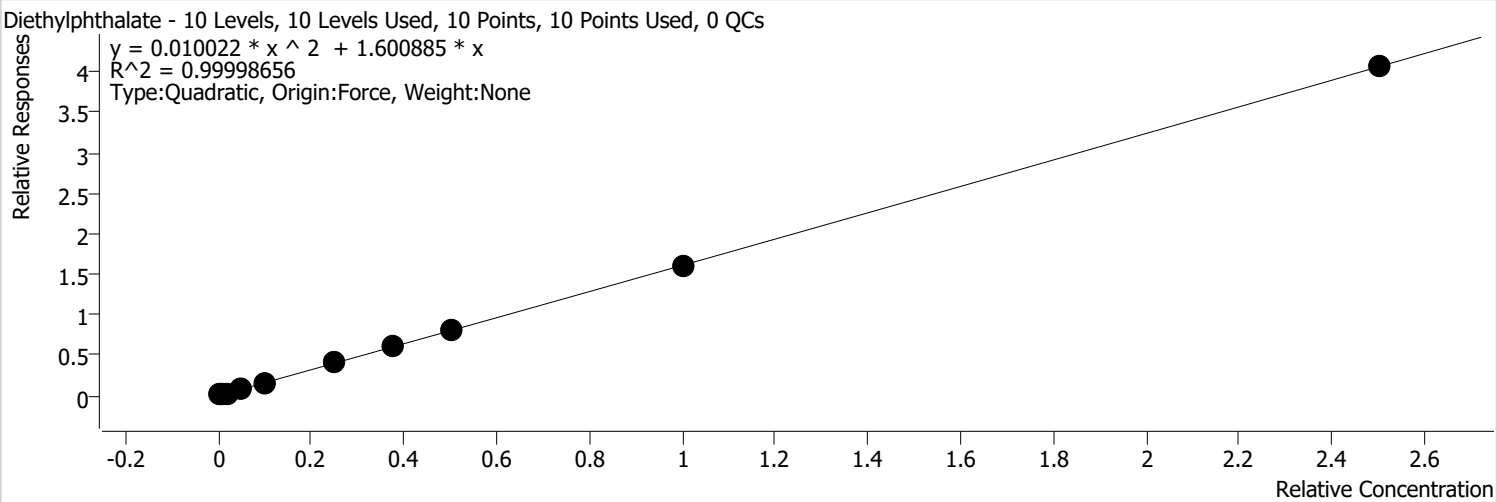
Dibenzofuran %RSE = 5.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	492	10.0000	2.1358	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	865	20.0000	1.8391	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1728	40.0000	1.9611	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4177	100.0000	1.8556	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	8631	200.0000	1.9086	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	22076	500.0000	1.8721	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	32142	750.0000	1.8098	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	44464	1000.0000	1.8597	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	90717	2000.0000	1.8446	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	224690	5000.0000	1.8757	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

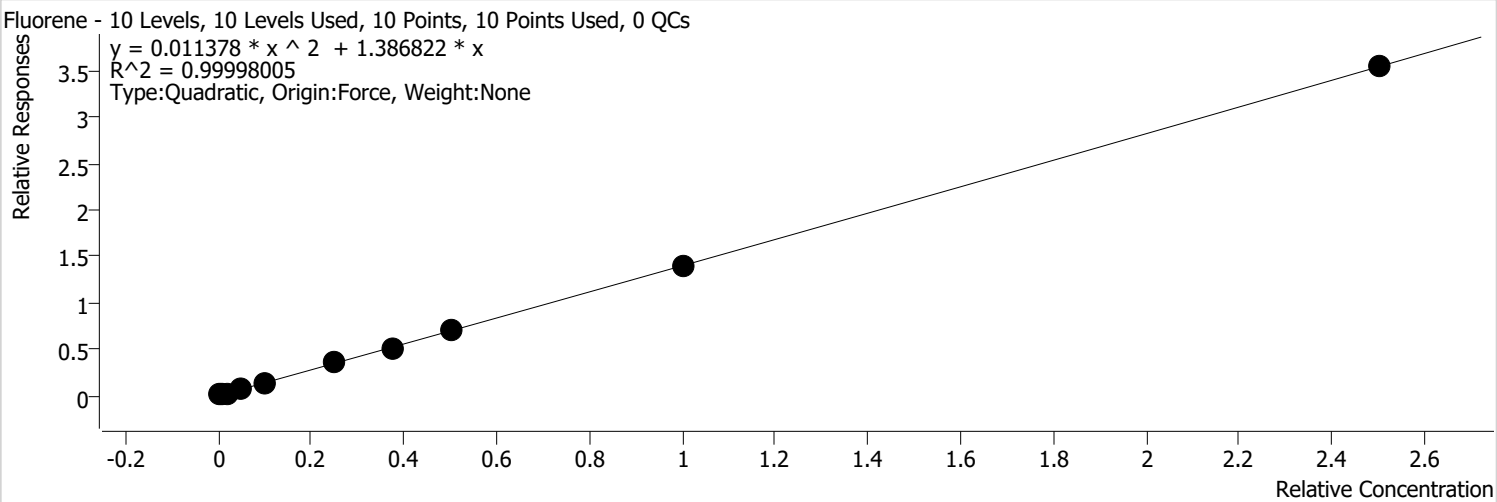
Diethylphthalate %RSE = 29.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	640	10.0000	2.7799	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	892	20.0000	1.8965	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1574	40.0000	1.7863	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3676	100.0000	1.6329	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	7501	200.0000	1.6586	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	19049	500.0000	1.6154	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	28468	750.0000	1.6029	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	38721	1000.0000	1.6195	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	78902	2000.0000	1.6043	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	194807	5000.0000	1.6262	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

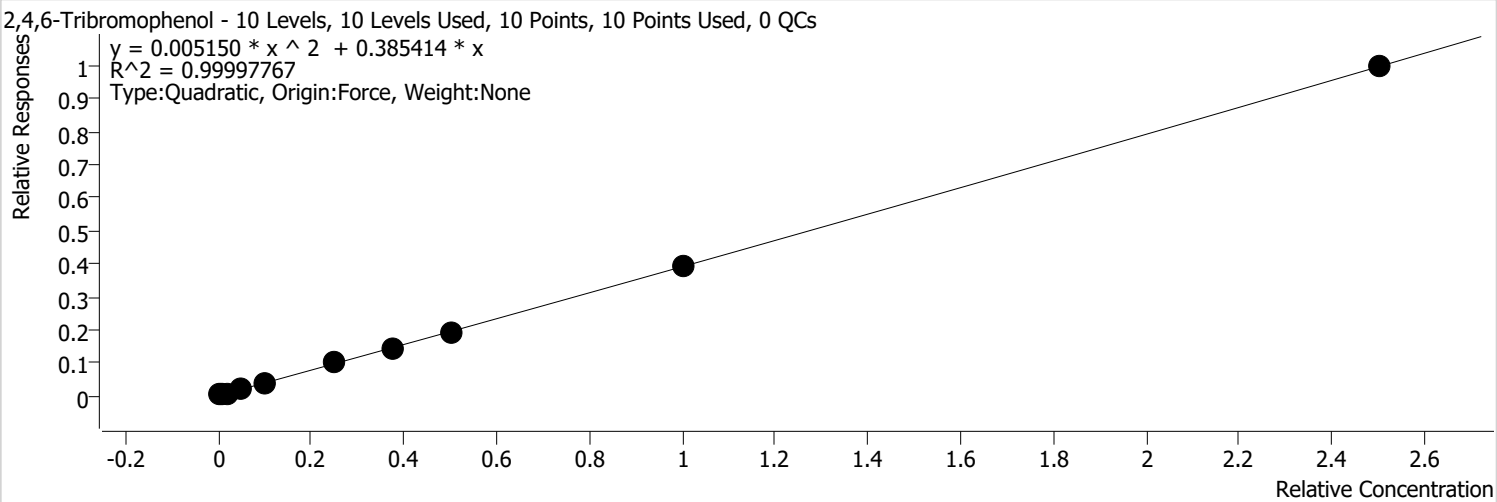
Fluorene %RSE = 7.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	371	10.0000	1.6105	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	679	20.0000	1.4436	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1307	40.0000	1.4836	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3155	100.0000	1.4014	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	6574	200.0000	1.4536	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	16642	500.0000	1.4113	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	24390	750.0000	1.3733	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	33683	1000.0000	1.4088	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	68514	2000.0000	1.3931	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	169562	5000.0000	1.4155	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

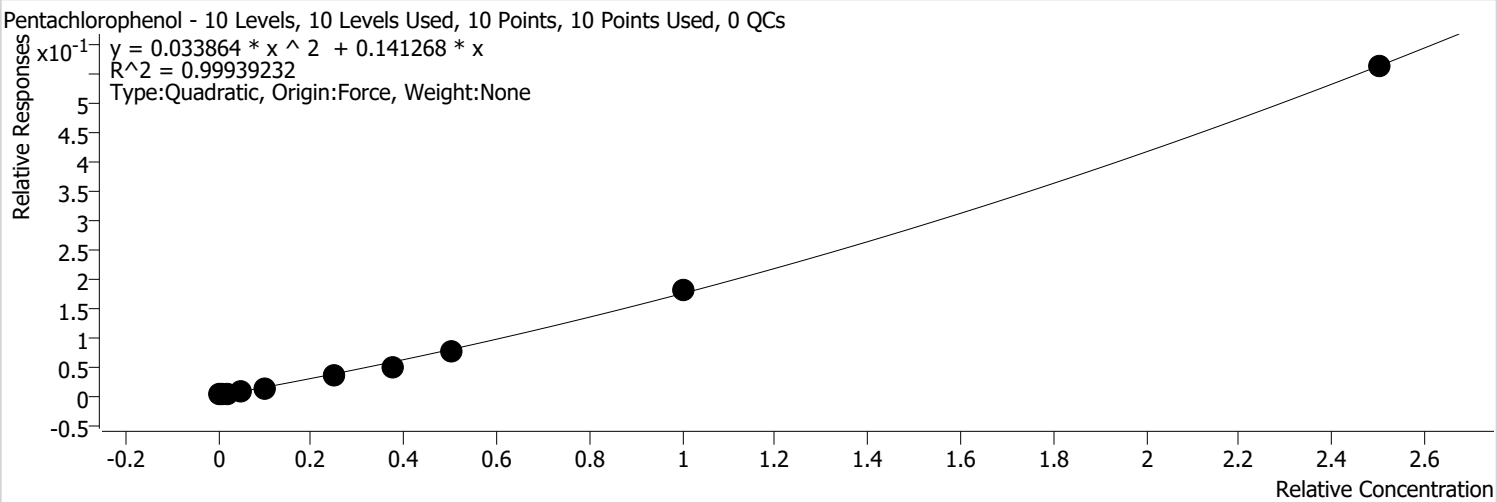
2,4,6-Tribromophenol %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	90	10.0000	0.3911	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	198	20.0000	0.4211	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	362	40.0000	0.4106	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	851	100.0000	0.3778	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	1784	200.0000	0.3945	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	4654	500.0000	0.3947	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	6708	750.0000	0.3777	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	9300	1000.0000	0.3890	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	19244	2000.0000	0.3913	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	47707	5000.0000	0.3983	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

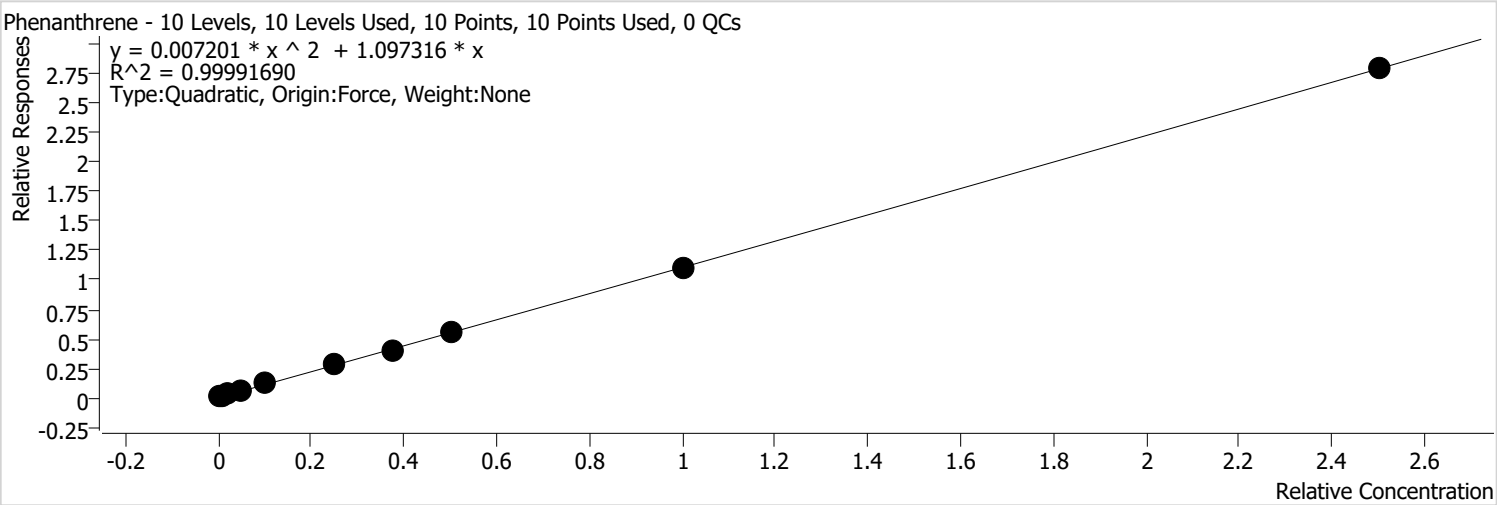
Pentachlorophenol %RSE = 22.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	42	10.0000	0.1826	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	95	20.0000	0.2025	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	141	40.0000	0.1602	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	281	100.0000	0.1247	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	577	200.0000	0.1276	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	1625	500.0000	0.1378	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	2353	750.0000	0.1325	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	3588	1000.0000	0.1501	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	9028	2000.0000	0.1836	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	27017	5000.0000	0.2255	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

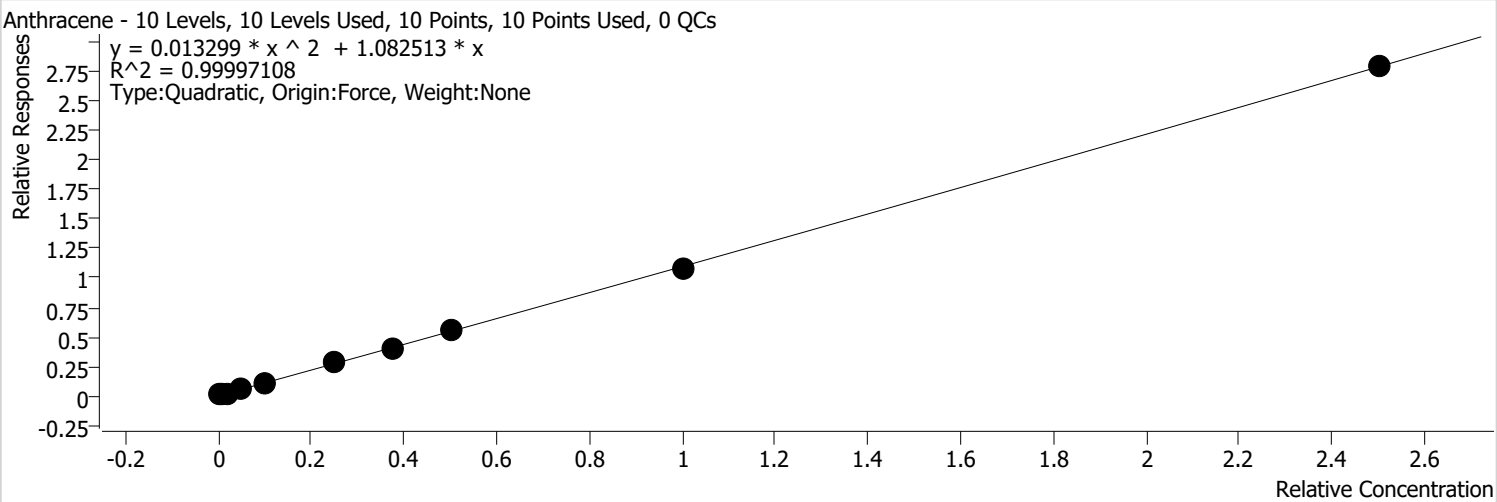
Phenanthrene %RSE = 71.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1361	10.0000	3.0404	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1525	20.0000	1.6683	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2559	40.0000	1.4926	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	5343	100.0000	1.2268	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	10482	200.0000	1.1712	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	26227	500.0000	1.1511	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	37632	750.0000	1.0930	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	52105	1000.0000	1.1097	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	106825	2000.0000	1.0960	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	263021	5000.0000	1.1158	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

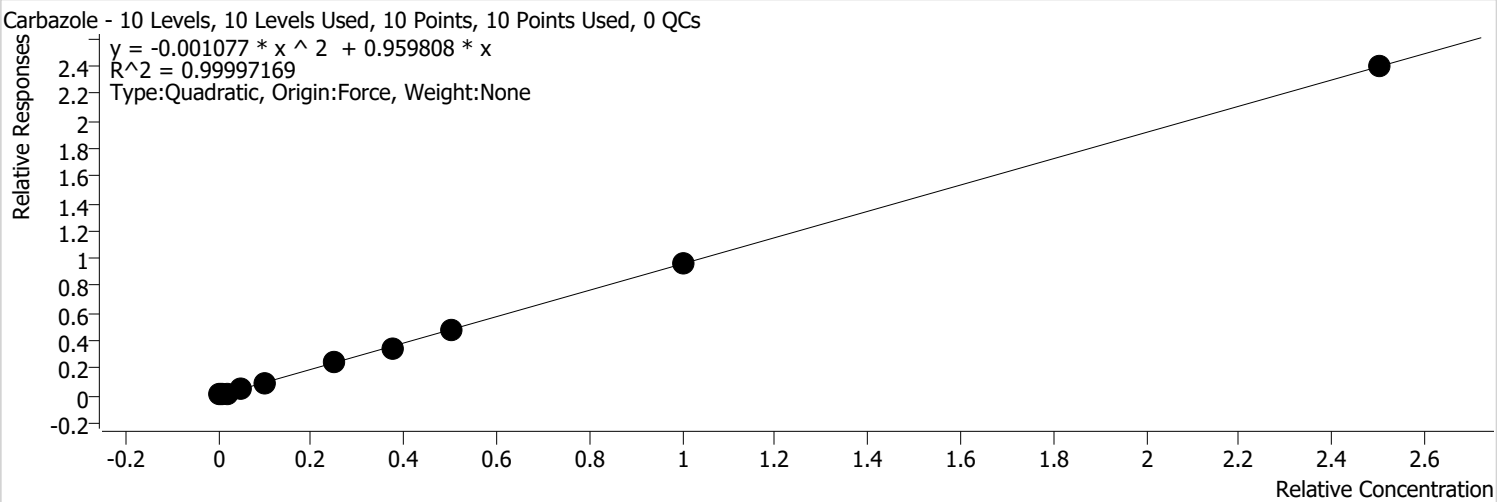
Anthracene %RSE = 15.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	641	10.0000	1.4308	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1183	20.0000	1.2943	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2154	40.0000	1.2566	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4899	100.0000	1.1248	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	10086	200.0000	1.1270	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	25576	500.0000	1.1226	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	37300	750.0000	1.0833	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	51560	1000.0000	1.0981	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	106164	2000.0000	1.0892	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	263098	5000.0000	1.1161	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

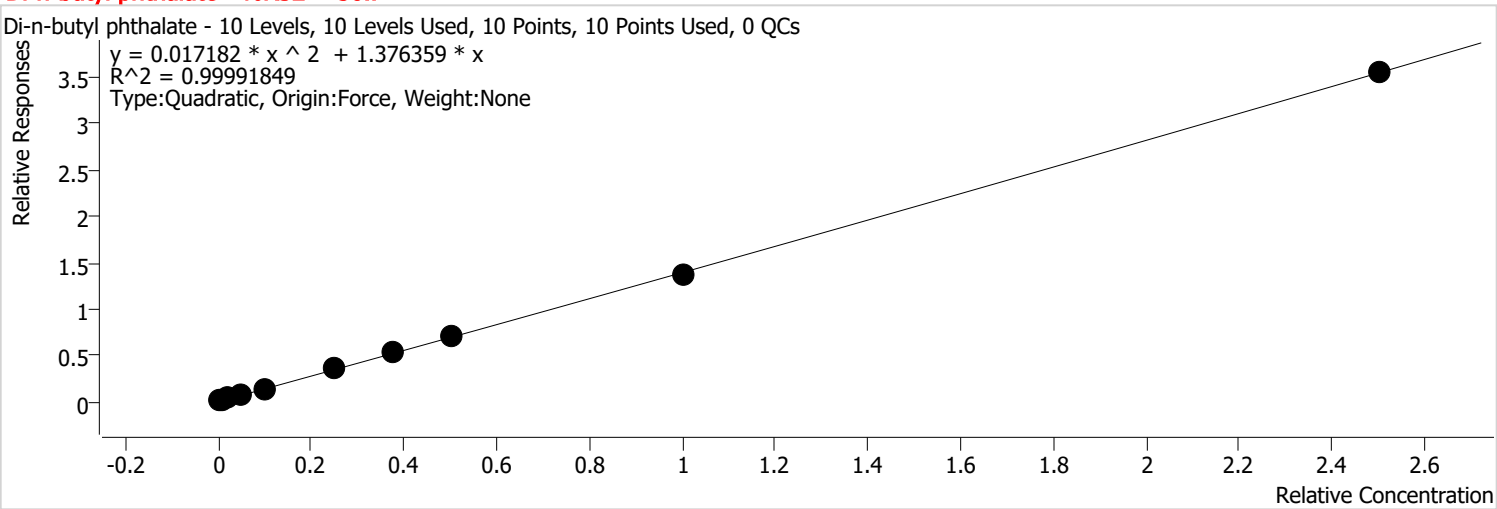
Carbazole %RSE = 3.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	468	10.0000	1.0444	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	897	20.0000	0.9813	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1695	40.0000	0.9888	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4155	100.0000	0.9541	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	8561	200.0000	0.9566	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	22563	500.0000	0.9903	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	32227	750.0000	0.9360	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	45178	1000.0000	0.9622	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	93531	2000.0000	0.9596	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	225616	5000.0000	0.9571	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

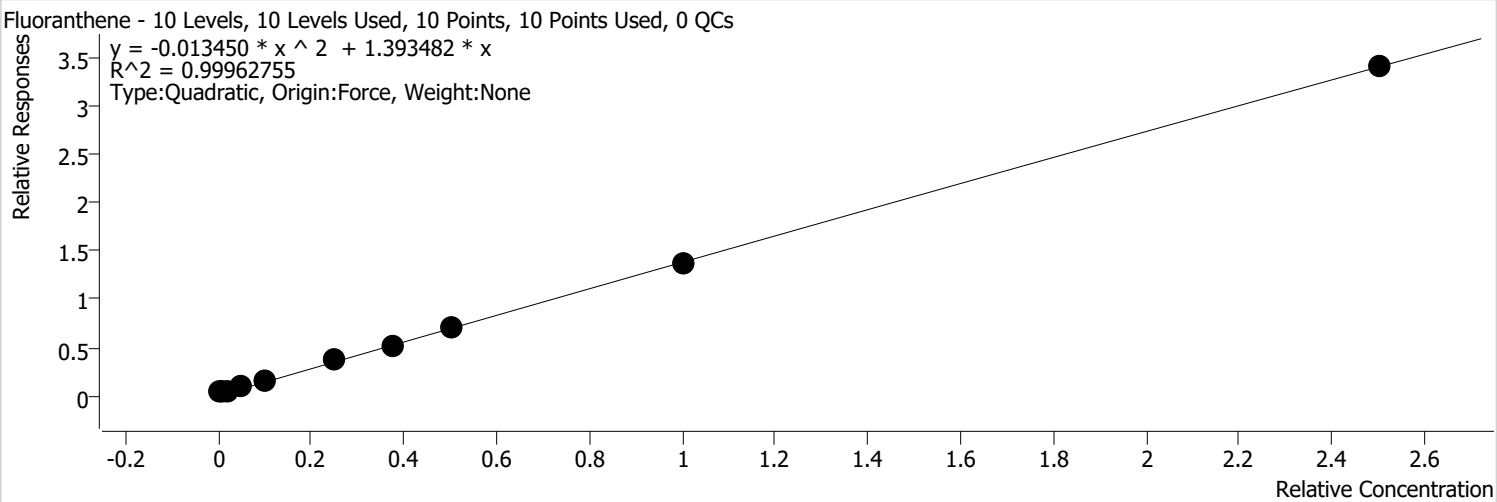
Di-n-butyl phthalate %RSE = 56.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1495	10.0000	3.3393	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1721	20.0000	1.8833	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2978	40.0000	1.7369	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6452	100.0000	1.4813	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	12960	200.0000	1.4481	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	32345	500.0000	1.4197	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48851	750.0000	1.4188	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65674	1000.0000	1.3987	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	134136	2000.0000	1.3762	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	334776	5000.0000	1.4201	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

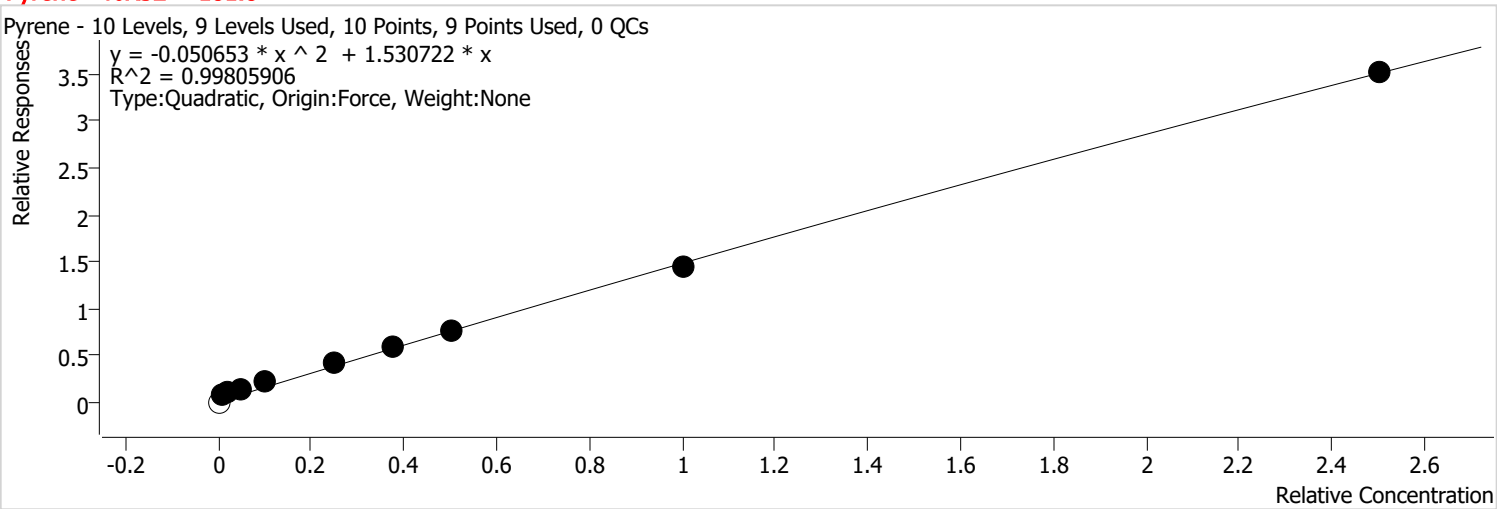
Fluoranthene %RSE = 204.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	3847	10.0000	8.5946	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	2980	20.0000	3.2601	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	4354	40.0000	2.5394	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	7782	100.0000	1.7866	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	14163	200.0000	1.5825	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33370	500.0000	1.4647	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48283	750.0000	1.4023	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65510	1000.0000	1.3952	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	132699	2000.0000	1.3615	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	320795	5000.0000	1.3608	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

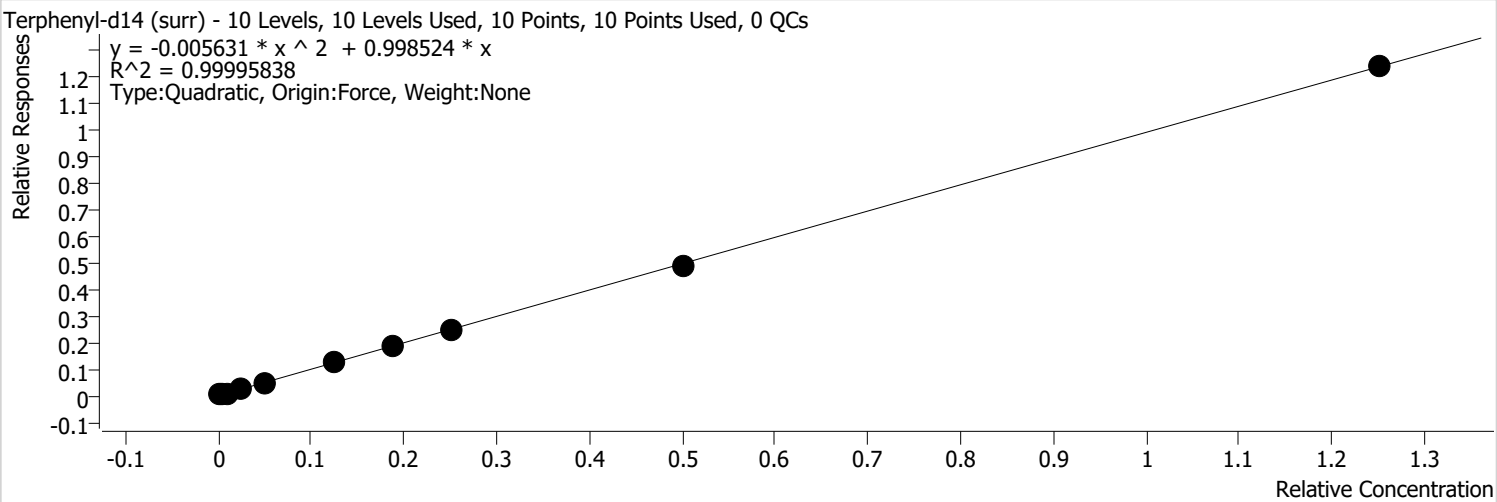
Pyrene %RSE = 181.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1		0	10.0000	0.0000	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	6656	20.0000	7.2815	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	8399	40.0000	4.8990	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	11960	100.0000	2.7460	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	18622	200.0000	2.0808	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	38669	500.0000	1.6973	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	53527	750.0000	1.5546	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	71063	1000.0000	1.5134	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	139869	2000.0000	1.4350	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	331567	5000.0000	1.4065	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

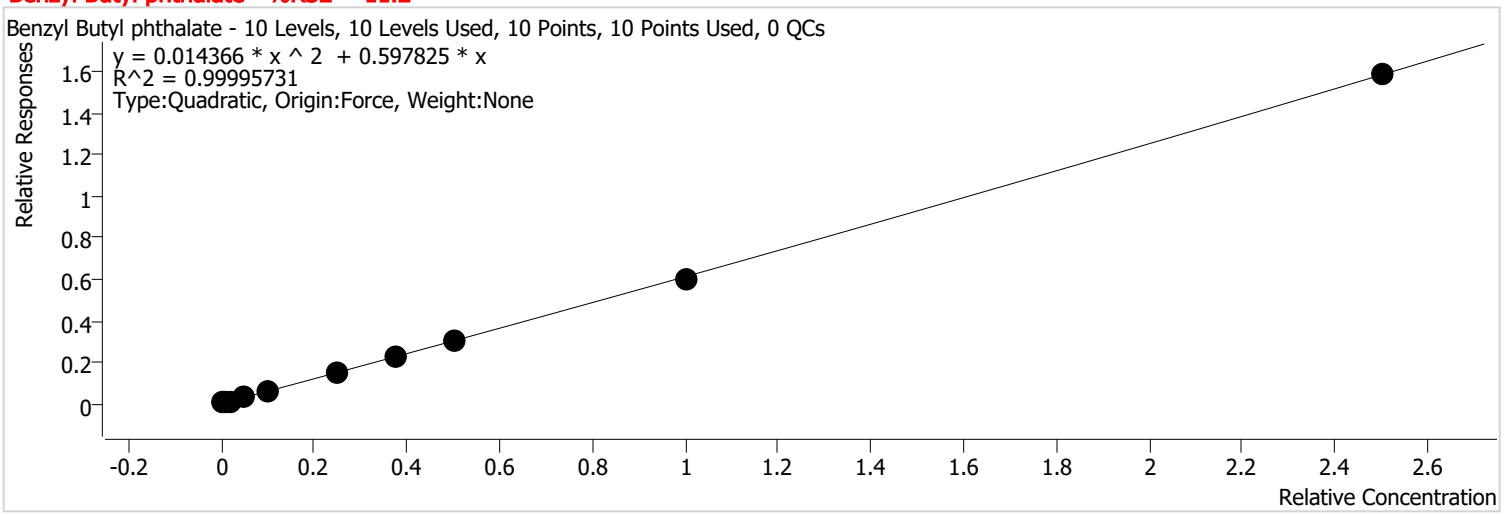
Terphenyl-d14 (surr) %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	252	5.0000	1.1266	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	495	10.0000	1.0842	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	935	20.0000	1.0906	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2250	50.0000	1.0333	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	4642	100.0000	1.0374	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	11776	250.0000	1.0338	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	17240	375.0000	1.0014	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	23684	500.0000	1.0088	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	48091	1000.0000	0.9868	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	116913	2500.0000	0.9919	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

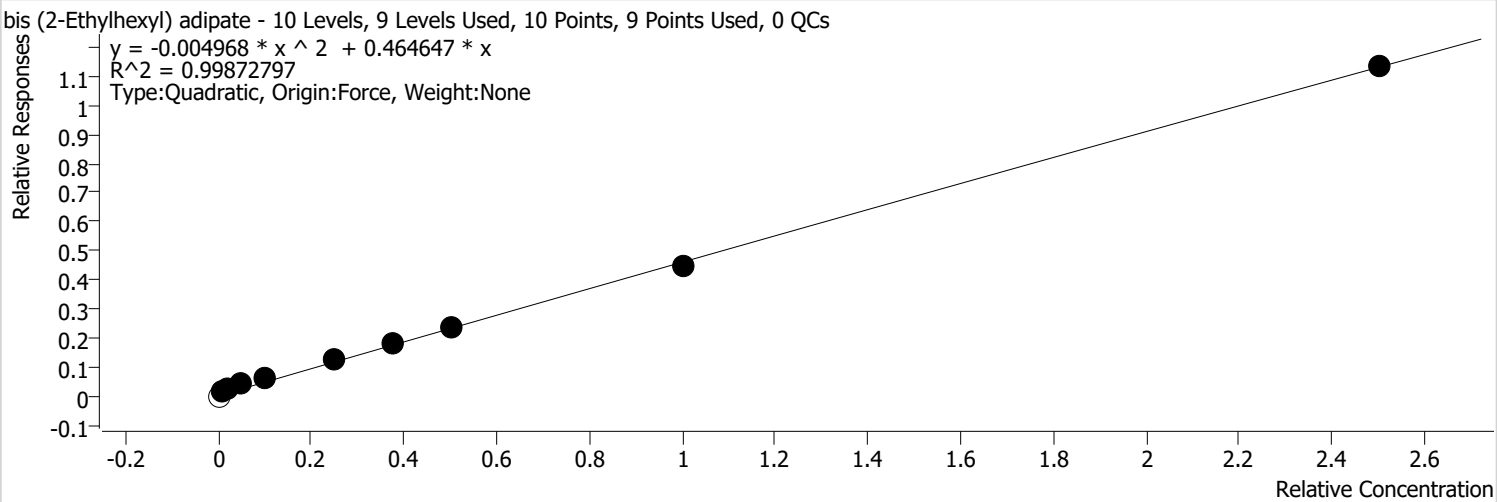
Benzyl Butyl phthalate %RSE = 11.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	342	10.0000	0.7639	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	581	20.0000	0.6352	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1101	40.0000	0.6423	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2644	100.0000	0.6071	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5419	200.0000	0.6056	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	13999	500.0000	0.6145	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	21141	750.0000	0.6140	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	28827	1000.0000	0.6139	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	59034	2000.0000	0.6057	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	149463	5000.0000	0.6340	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

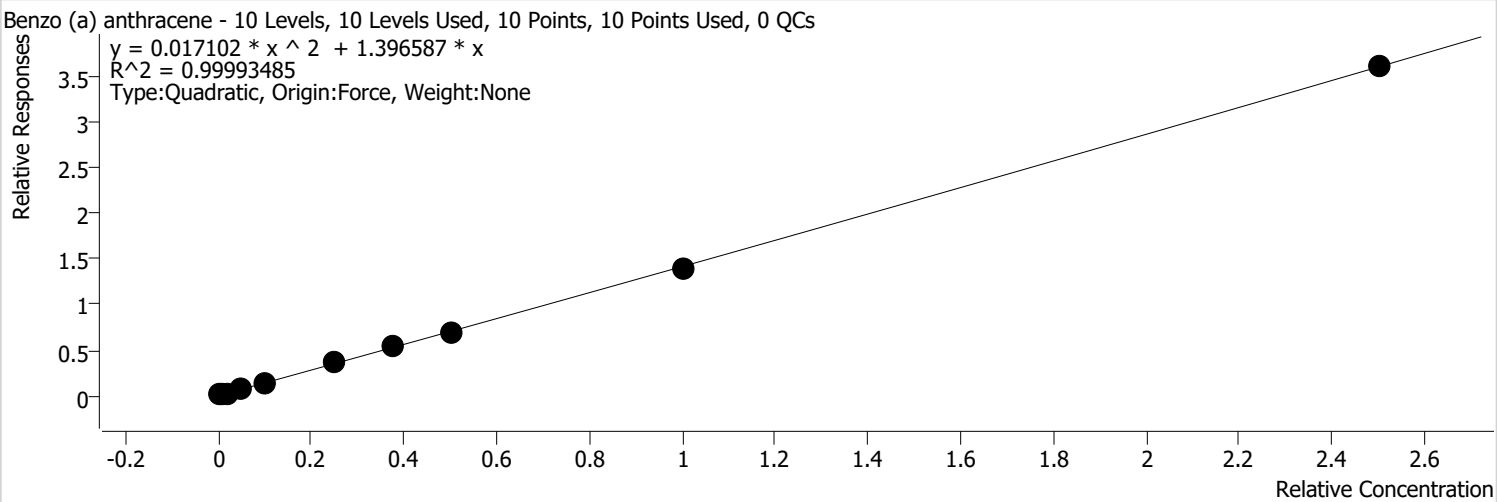
bis (2-Ethylhexyl) adipate %RSE = 148.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1		0	10.0000	0.0000	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1717	20.0000	1.8786	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2268	40.0000	1.3227	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3369	100.0000	0.7735	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5387	200.0000	0.6019	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	11500	500.0000	0.5048	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	16714	750.0000	0.4854	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	21863	1000.0000	0.4656	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	43459	2000.0000	0.4459	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	106776	5000.0000	0.4530	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

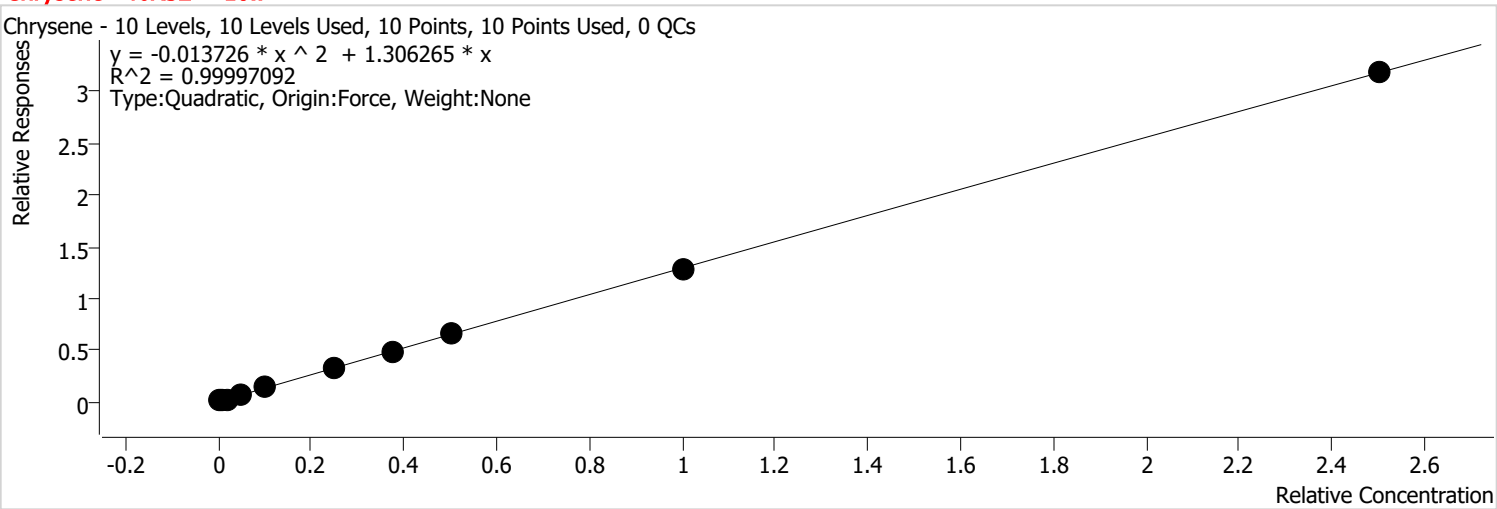
Benzo (a) anthracene %RSE = 29.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1066	10.0000	2.3813	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1642	20.0000	1.7964	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2823	40.0000	1.6466	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6687	100.0000	1.5353	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13101	200.0000	1.4639	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33575	500.0000	1.4737	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48971	750.0000	1.4223	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	66100	1000.0000	1.4077	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	136483	2000.0000	1.4003	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	339464	5000.0000	1.4400	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

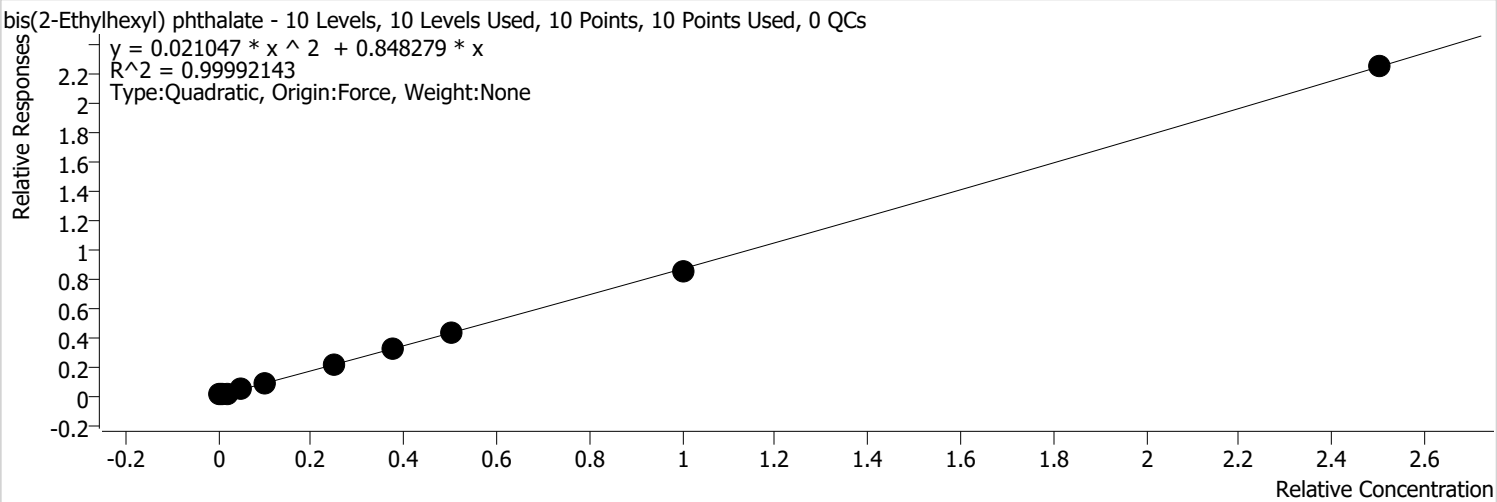
Chrysene %RSE = 10.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	761	10.0000	1.5890	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1404	20.0000	1.4440	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2694	40.0000	1.4804	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6137	100.0000	1.3118	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13155	200.0000	1.3782	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	32483	500.0000	1.3291	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48424	750.0000	1.3126	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65529	1000.0000	1.3101	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	132609	2000.0000	1.2829	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	314503	5000.0000	1.2724	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

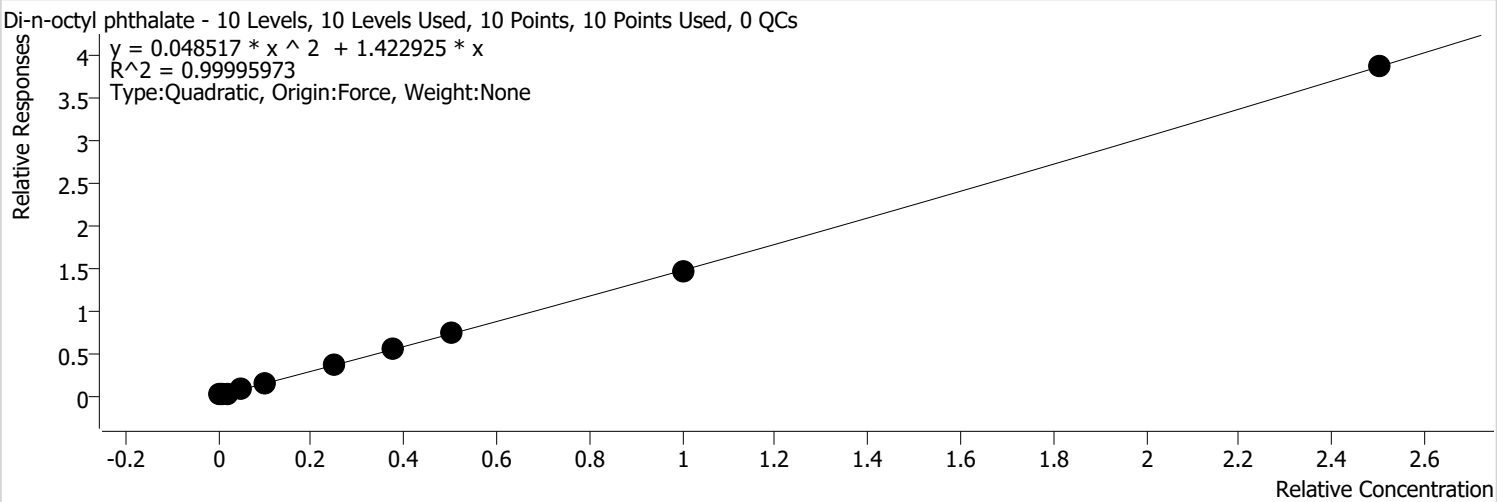
bis(2-Ethylhexyl) phthalate %RSE = 48.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	913	10.0000	1.9054	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1013	20.0000	1.0414	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1806	40.0000	0.9927	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4177	100.0000	0.8929	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	8384	200.0000	0.8784	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	21543	500.0000	0.8814	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	32541	750.0000	0.8821	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	43368	1000.0000	0.8670	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	88691	2000.0000	0.8580	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	222809	5000.0000	0.9014	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

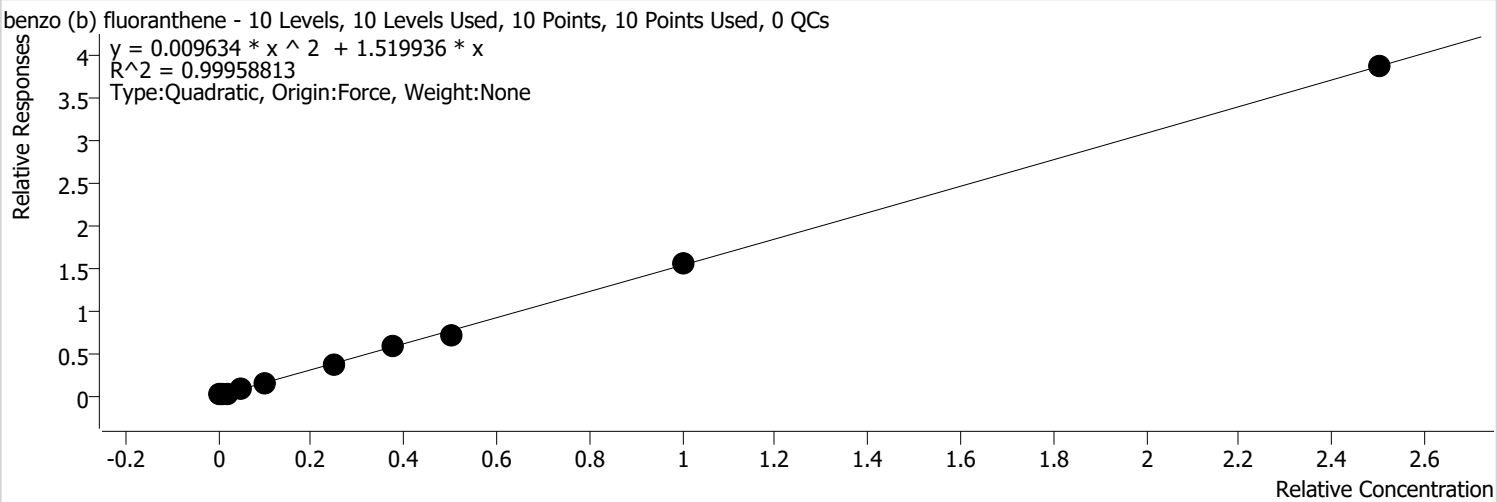
Di-n-octyl phthalate %RSE = 8.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	831	10.0000	1.7341	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1407	20.0000	1.4474	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2698	40.0000	1.4828	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6548	100.0000	1.3997	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13737	200.0000	1.4392	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	35535	500.0000	1.4539	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	54602	750.0000	1.4800	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	73140	1000.0000	1.4622	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	150583	2000.0000	1.4568	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	381850	5000.0000	1.5449	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

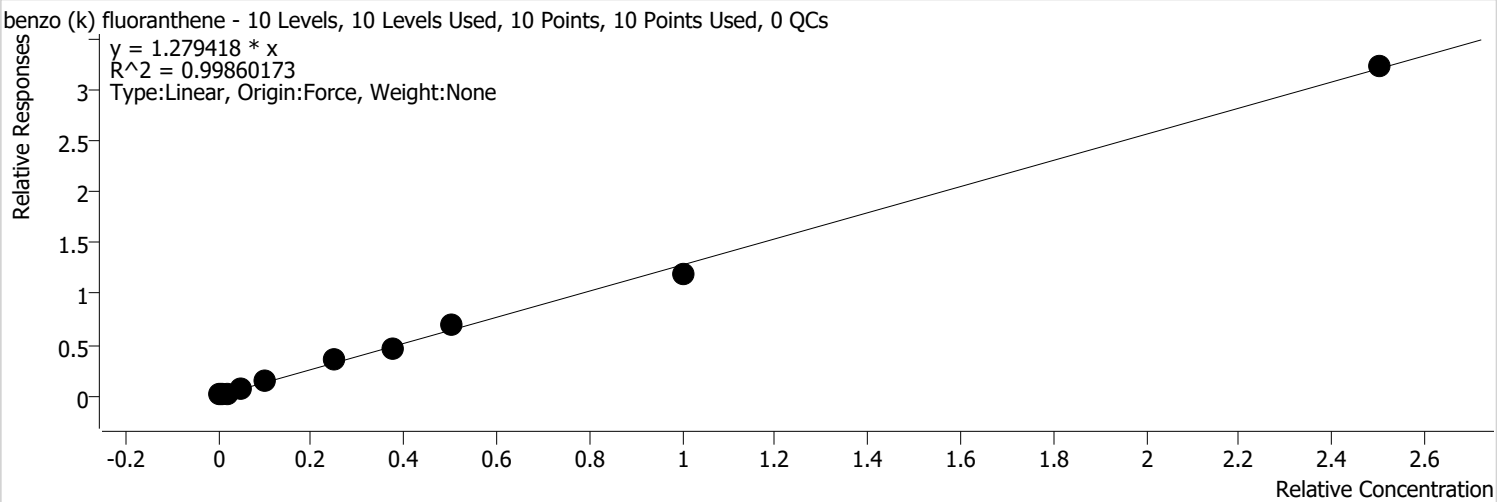
benzo (b) fluoranthene %RSE = 5.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	791	10.0000	1.6517	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1473	20.0000	1.5149	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2848	40.0000	1.5651	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6983	100.0000	1.4926	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	14259	200.0000	1.4938	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	36540	500.0000	1.4951	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	58601	750.0000	1.5884	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	70175	1000.0000	1.4029	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	161285	2000.0000	1.5603	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	381344	5000.0000	1.5428	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

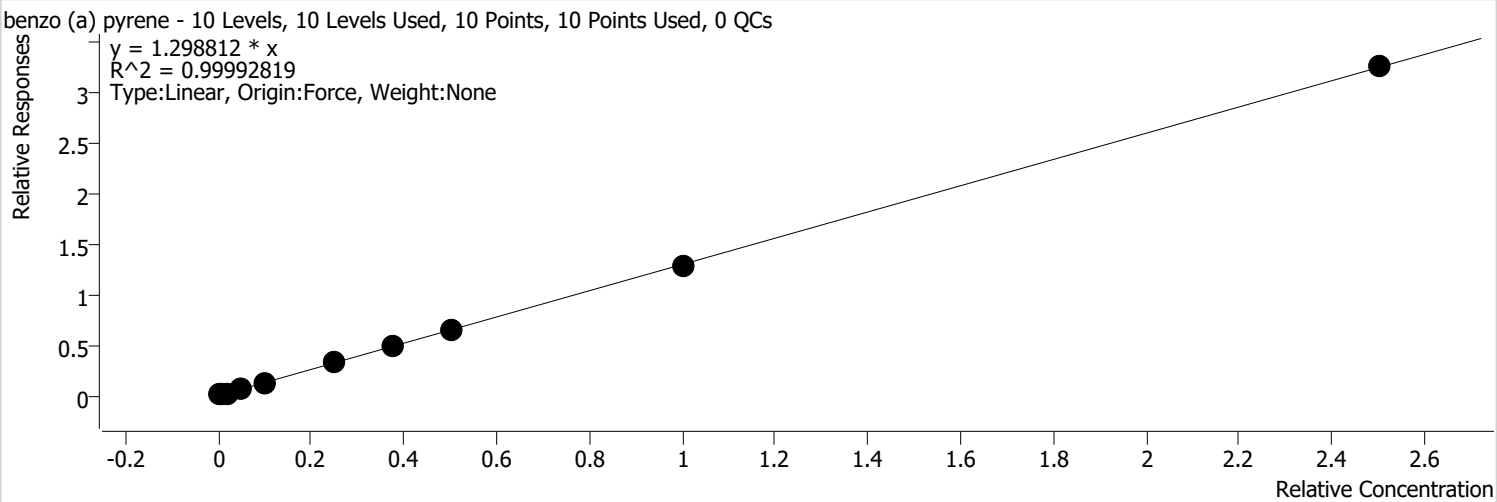
benzo (k) fluoranthene %RSE = 13.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	748	10.0000	1.5612	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1465	20.0000	1.5067	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2685	40.0000	1.4755	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6471	100.0000	1.3832	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13346	200.0000	1.3982	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33842	500.0000	1.3847	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	45636	750.0000	1.2370	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	70152	1000.0000	1.4025	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	123605	2000.0000	1.1958	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	318239	5000.0000	1.2875	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

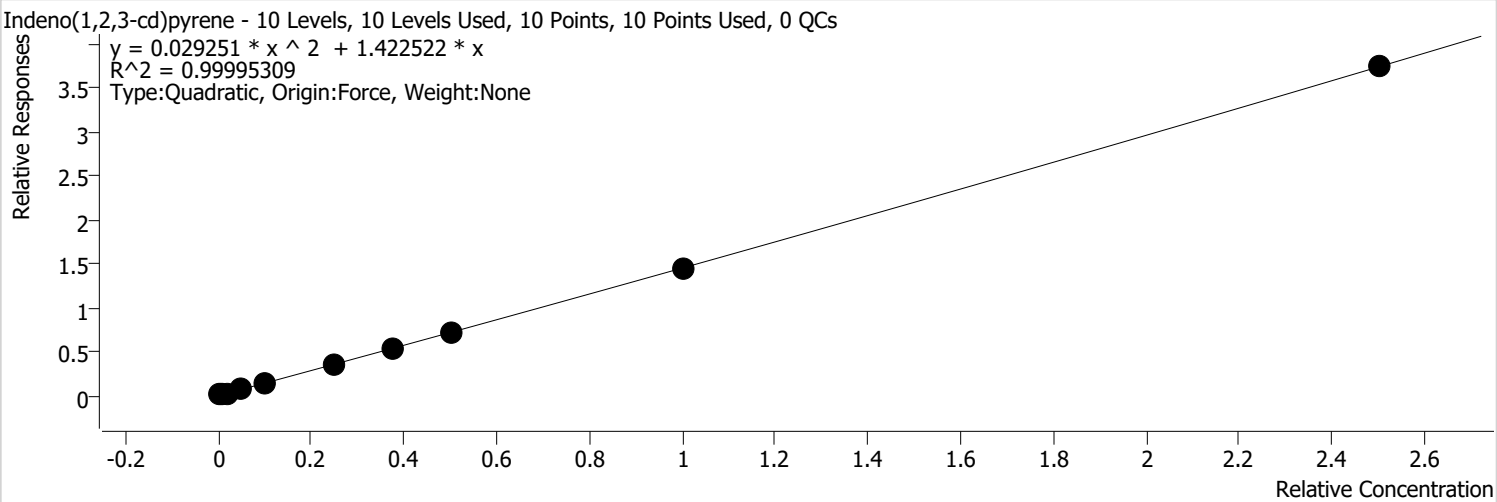
benzo (a) pyrene %RSE = 22.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1002	10.0000	2.0912	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1444	20.0000	1.4855	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2676	40.0000	1.4705	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6107	100.0000	1.3053	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	12441	200.0000	1.3034	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	31707	500.0000	1.2973	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48512	750.0000	1.3149	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65263	1000.0000	1.3047	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	131897	2000.0000	1.2760	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	321779	5000.0000	1.3018	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

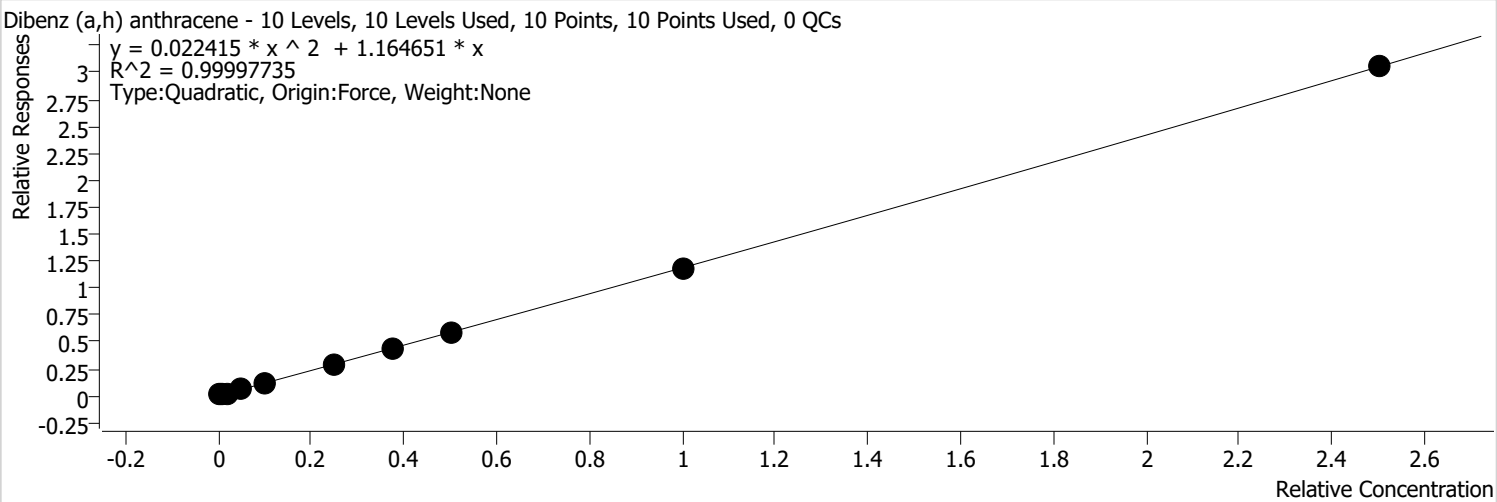
Indeno(1,2,3-cd)pyrene %RSE = 16.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1078	10.0000	1.9788	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1738	20.0000	1.5756	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	3303	40.0000	1.6048	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	7770	100.0000	1.4641	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	15937	200.0000	1.4703	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	40639	500.0000	1.4713	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	60409	750.0000	1.4516	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	81206	1000.0000	1.4585	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	165581	2000.0000	1.4361	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	414477	5000.0000	1.4964	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

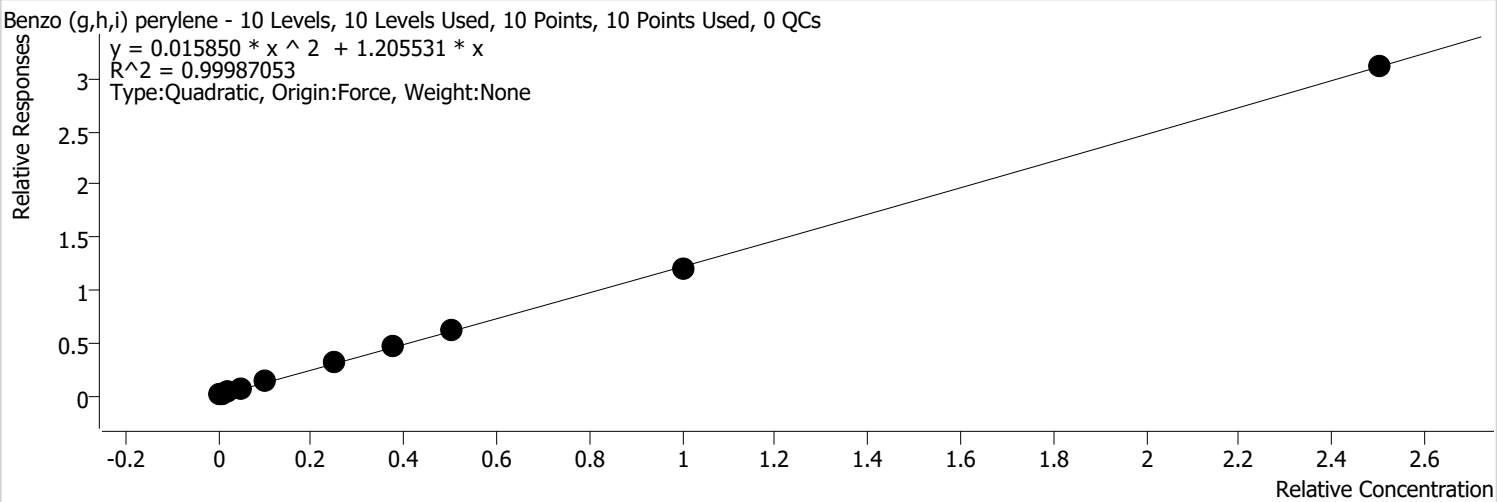
Dibenz (a,h) anthracene %RSE = 8.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	744	10.0000	1.3651	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1392	20.0000	1.2613	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2665	40.0000	1.2952	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6293	100.0000	1.1858	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	12932	200.0000	1.1930	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33004	500.0000	1.1949	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	49359	750.0000	1.1861	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	66020	1000.0000	1.1857	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	135851	2000.0000	1.1783	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	338231	5000.0000	1.2211	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Benzo (g,h,i) perylene %RSE = 80.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1961	10.0000	3.5991	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	2154	20.0000	1.9524	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	3573	40.0000	1.7361	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	7292	100.0000	1.3740	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	14191	200.0000	1.3092	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	34875	500.0000	1.2626	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	51304	750.0000	1.2328	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	68376	1000.0000	1.2280	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	138864	2000.0000	1.2044	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	345125	5000.0000	1.2460	

Semivolatile Calibration

Date: 08/16/21

Analyst: Sam Berman

MeCl2: 5994

Cal		ICV	
IM 25705	8270 Megamix: 24893		8270 Megamix: 24990
	2,4-DNP: 24998		2,4-DNP: 24501
	Benzoic Acid: 25025		Benzoic Acid: 23305

8270 Surrogate: 25514

IS 25765

Spike Conc. (ppb)	BN/Acid Surr Conc. (ppb)	2° Spike (uL)	B/N Surr (uL)	Internal Standard (uL)	Remove (uL)	Final Vol. (mL)	(mL) @270 MM SS	(mL) Comments 2DNP SS	(mL) HBZ SS
10	10/5	1	--	10	11	1			
20	20/10	2	--	10	12	1			
40	40/20	4	--	10	14	1			
100	100/50	10	--	10	20	1			
200	200/100	20	--	10	30	1			
500	500/250	~~40~~ 50	--	10	60	1			
750	750/375	75	--	10	85	1			
1000	1000/500	100	--	10	110	1			
2000	2000/1000	200	--	10	210	1			
5000	5000/2500	500	--	10	510	1			
ICB	1000/500		~~15~~	10	~~11~~ 15	1			
ICV (1000 ppb)	1000/500	100 (2° SS)		10	~~110~~ 19	1	1	1	1

8/9/16/21

8/11/16/21

	Mega Mix (uL)	2,4-DNP (uL)	Benzoic Acid (uL)	8270 Surr (uL)	Final Volume (mL)
2° Intermediate (cal)	100	100	100	100	10
2° Intermediate (SS)	50	50	50	50	5

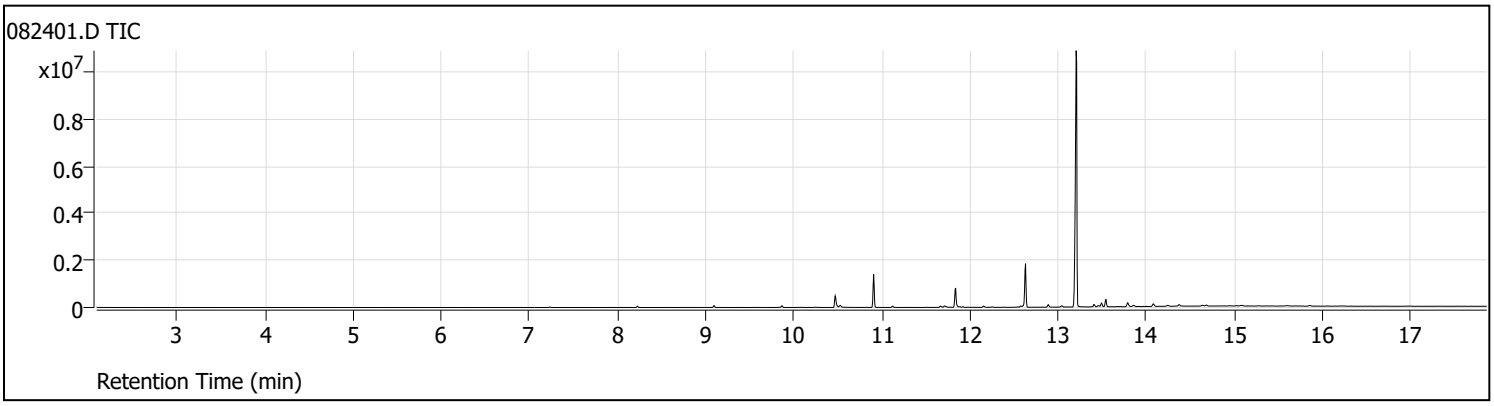
Signature and Date: 08/16/21

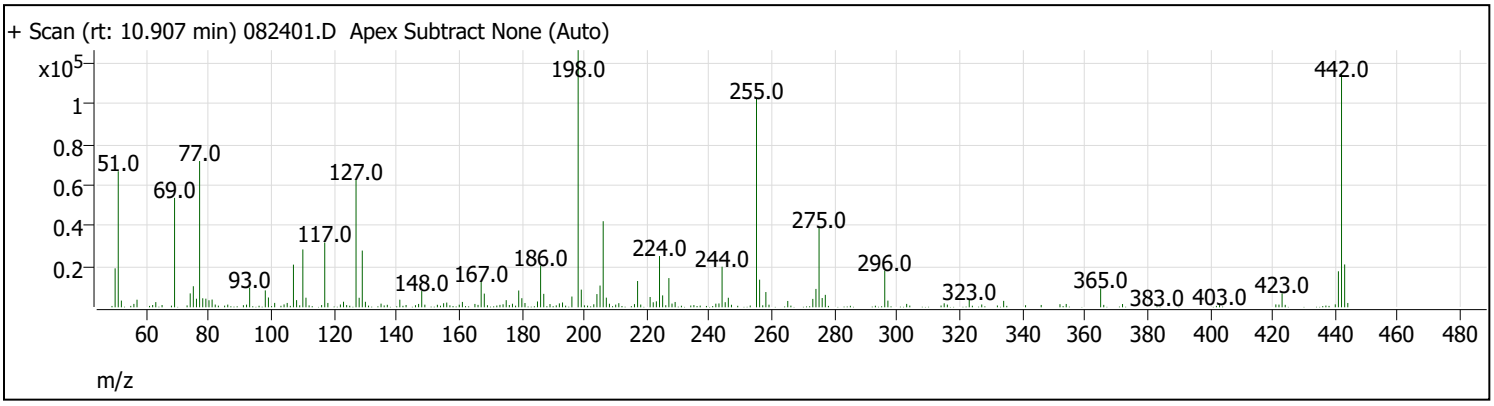
Signature: EM

Tunes

Tune Evaluation Report

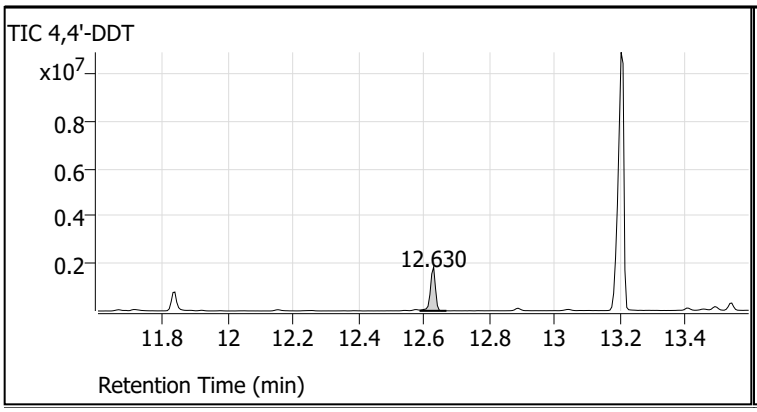
Data Path:	C:\GC-14\Data\2021\082421\082401.D
Acq on:	8/24/2021 8:05:10 AM
Operator:	FA\GC14
Sample:	TUNE
Inst Name:	GC-14
ALS Vial:	1
Method:	C:\GC-14\Methods\Quant Methods\TUNE\DFTPPwBreak&TailingGC218270E.m

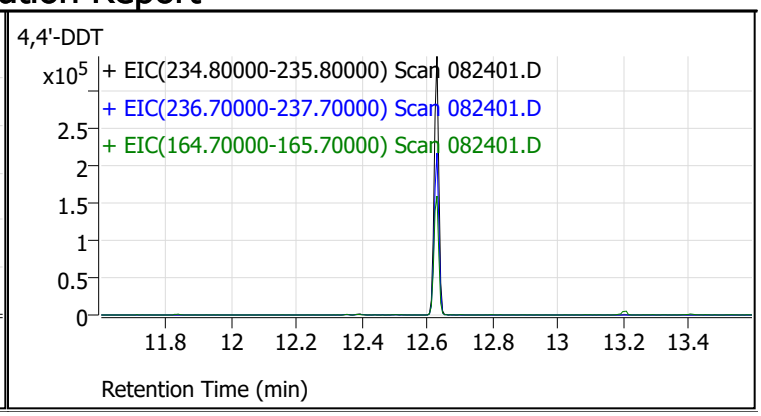


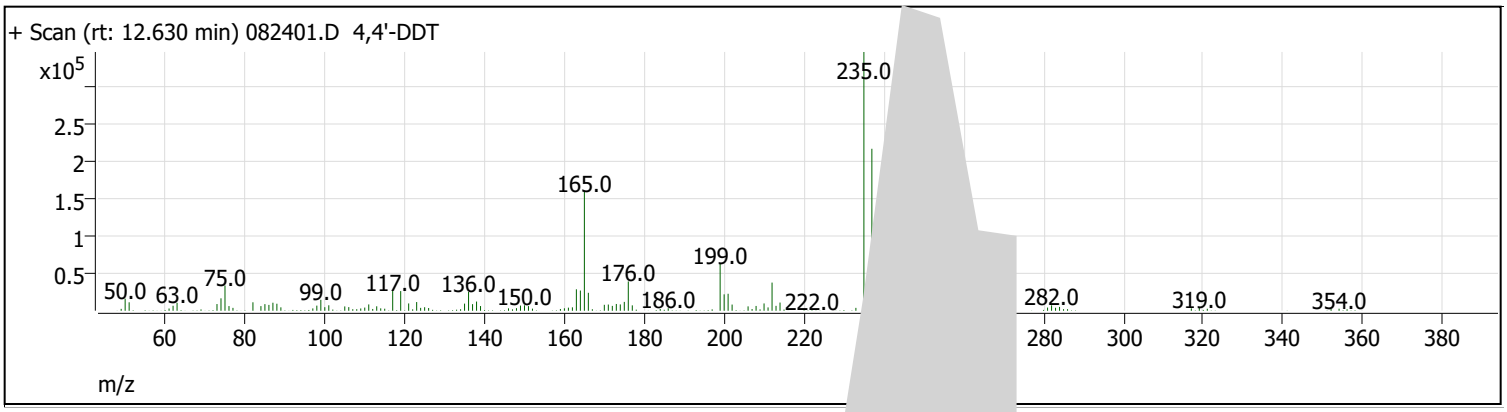


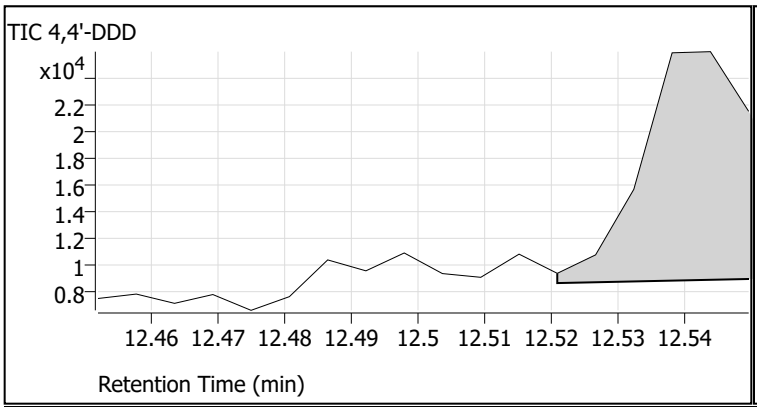
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	1.5	810	Pass
70	69	0	2	0.4	193	Pass
197	198	0	2	0.0	0	Pass
198	198	100	100	100.0	126312	Pass
199	198	5	9	6.9	8671	Pass
365	198	1	100	7.3	9274	Pass
441	443	1E-10	150	84.0	17688	Pass
442	442	100	100	100.0	114832	Pass
443	442	15	24	18.3	21048	Pass
69	69	100	100	100.0	53752	Pass

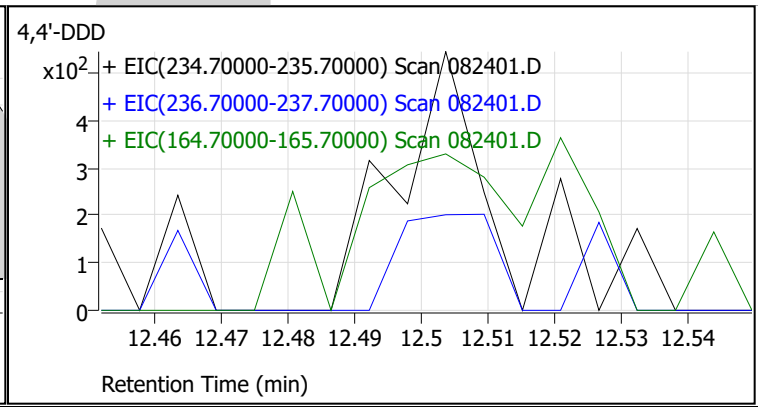
Tune Evaluation Report

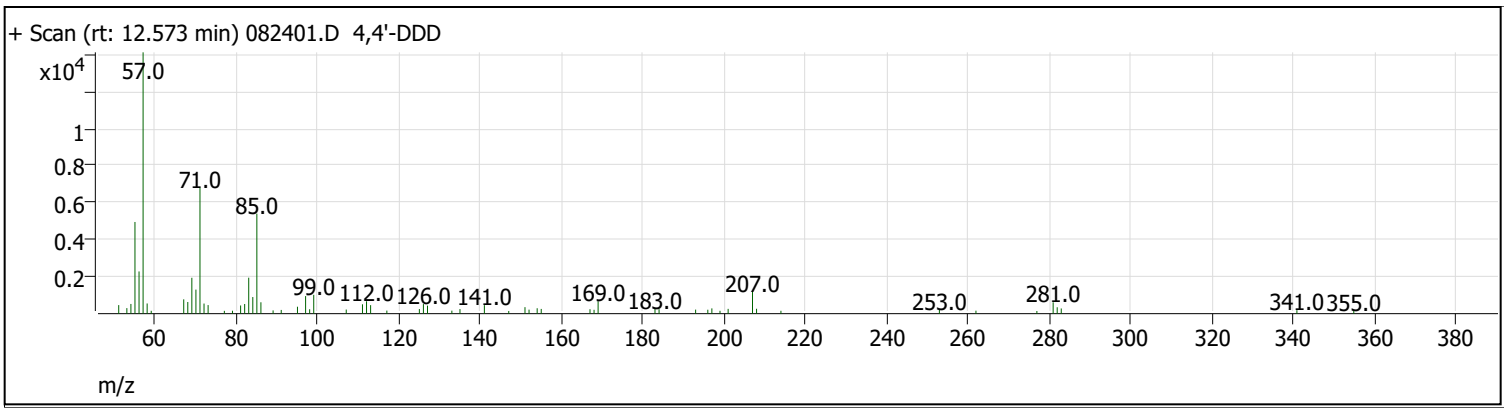






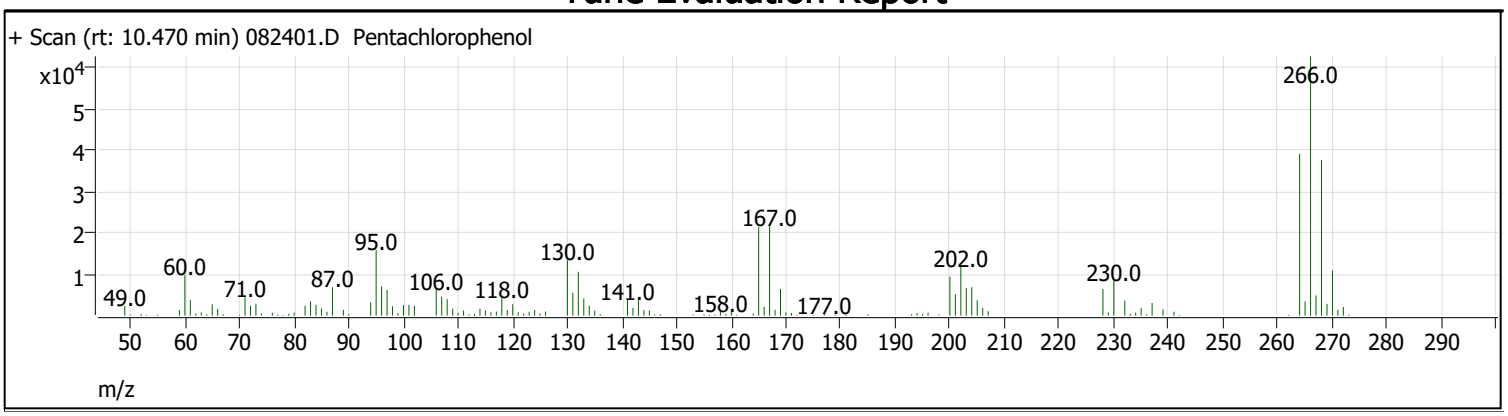


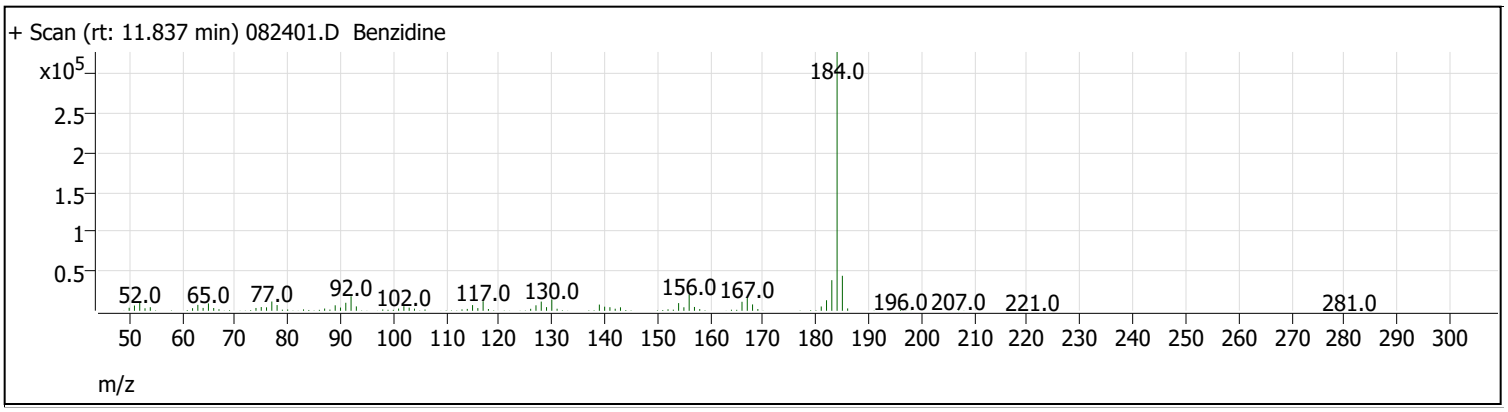




Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	12.600	12.630	1961410	4.4	Pass
4,4'-DDD	12.500	12.573	89588		

Tune Evaluation Report

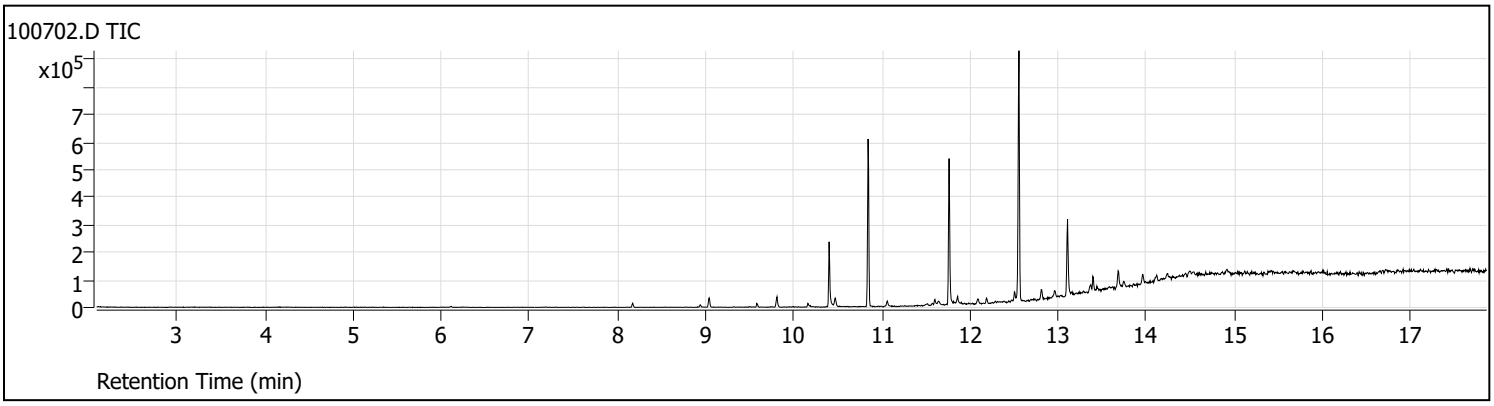


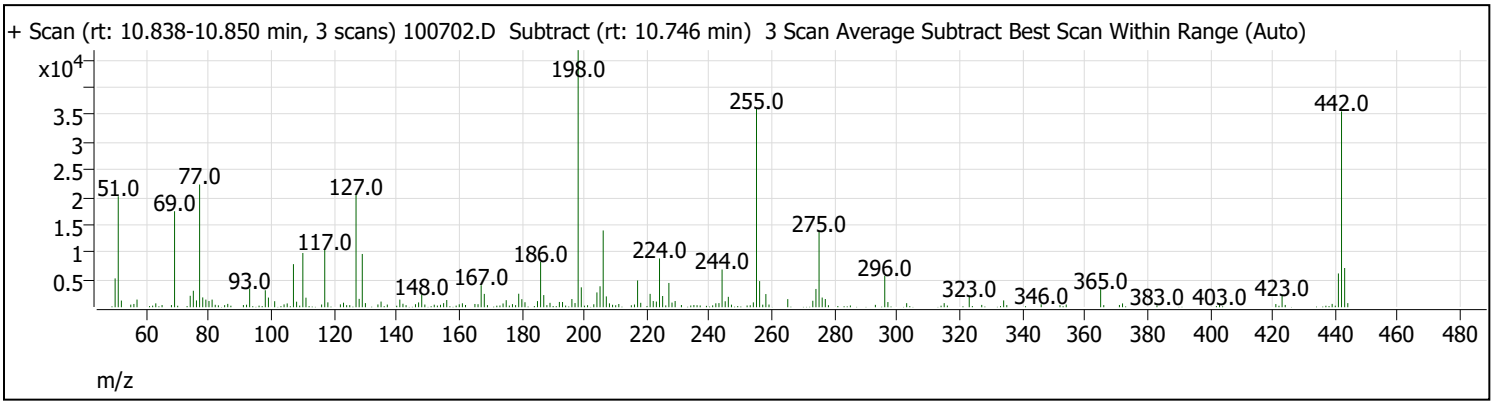


Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	10.540	10.470	1.9	2.8	Pass
Benzidine	11.906	11.837	0.9	3.2	Pass

Tune Evaluation Report

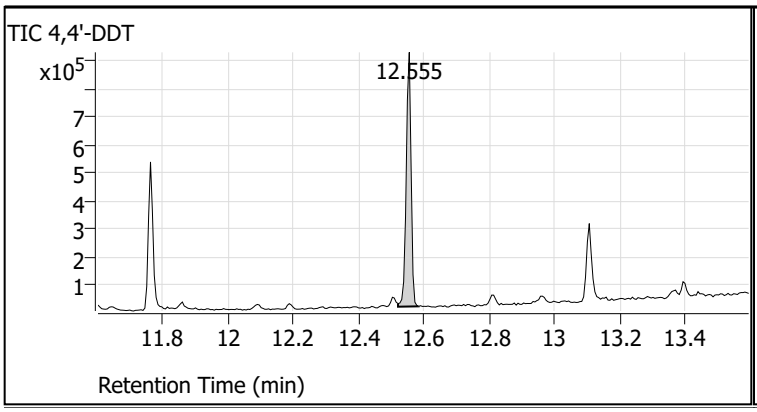
Data Path:	C:\GC-14\Data\2021\100721\100702.D
Acq on:	10/7/2021 8:19:47 AM
Operator:	FA\gc14
Sample:	TUNE
Inst Name:	GC-14
ALS Vial:	1
Method:	C:\GC-14\Methods\Quant Methods\TUNE\DFTPPwBreak&TailingGC218270E.m

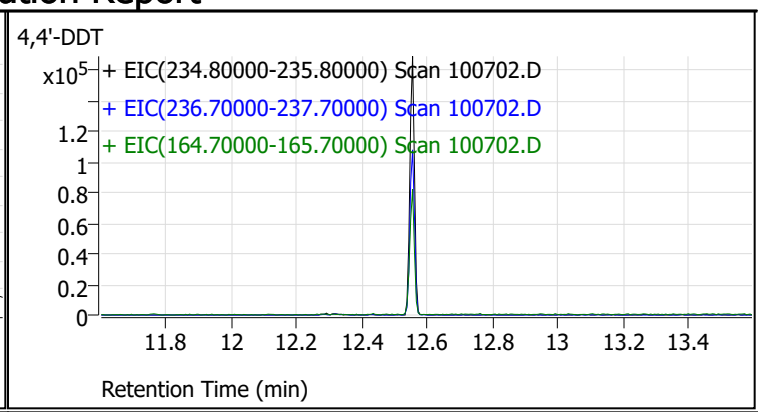


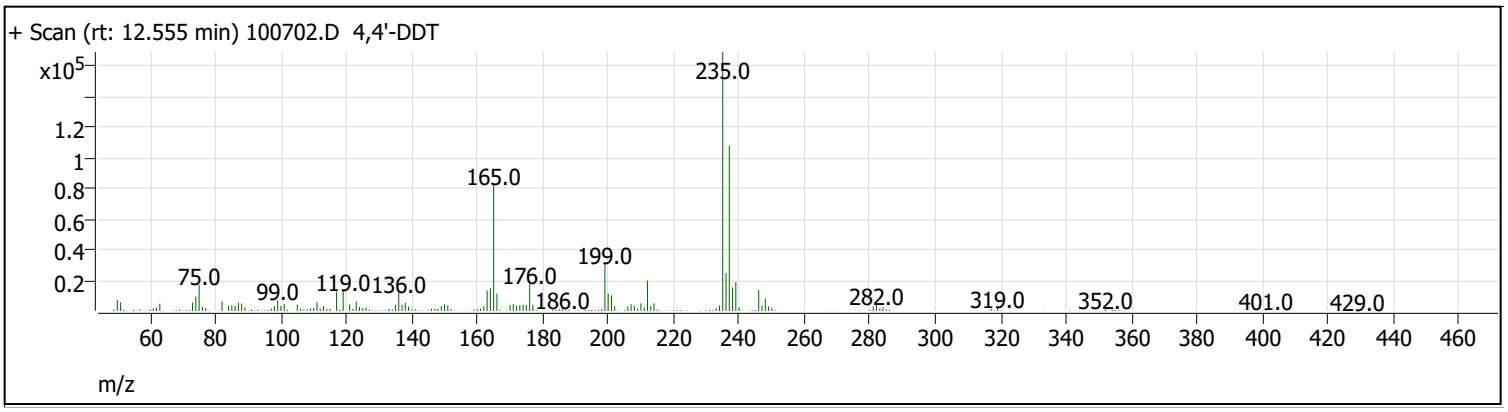


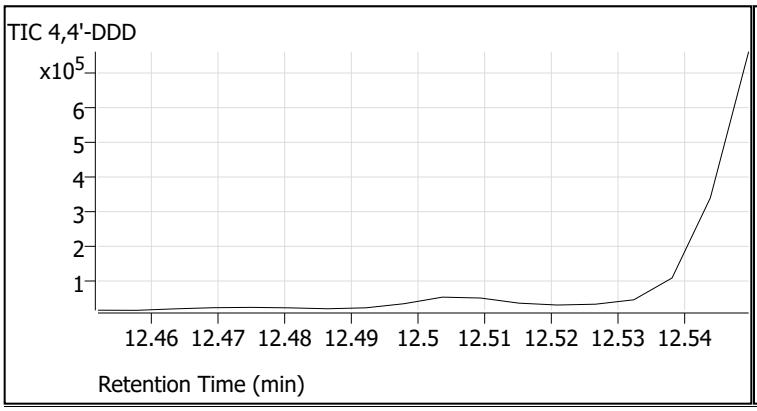
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	2.3	397	Fail
70	69	0	2	1.6	273	Pass
197	198	0	2	1.6	765	Pass
198	198	100	100	100.0	46779	Pass
199	198	5	9	7.7	3622	Pass
365	198	1	100	7.1	3299	Pass
441	443	1E-10	150	86.1	6149	Pass
442	442	100	100	100.0	35633	Pass
443	442	15	24	20.0	7142	Pass
69	69	100	100	100.0	17468	Pass

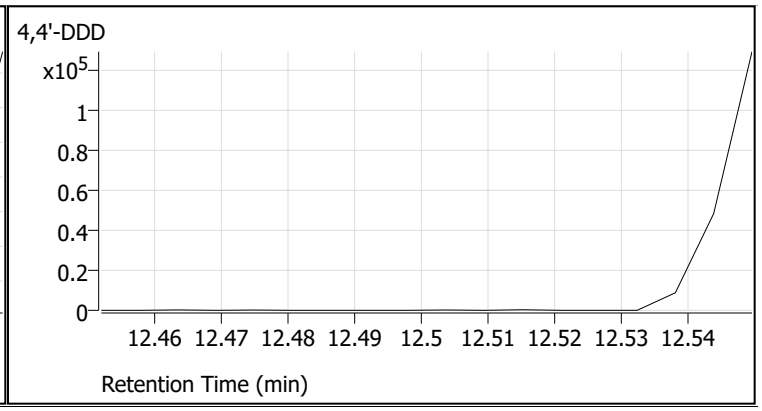
Tune Evaluation Report

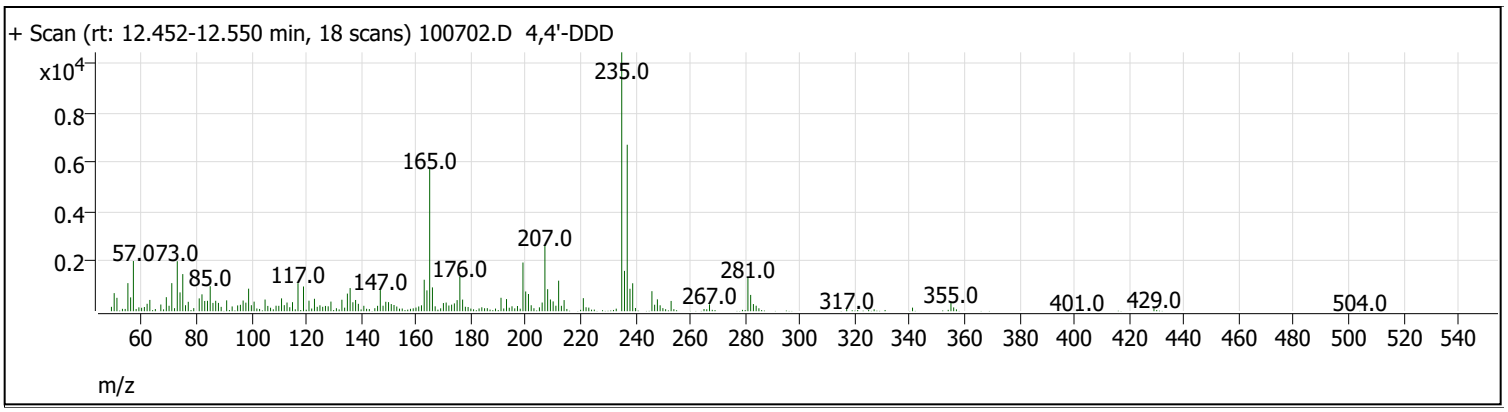






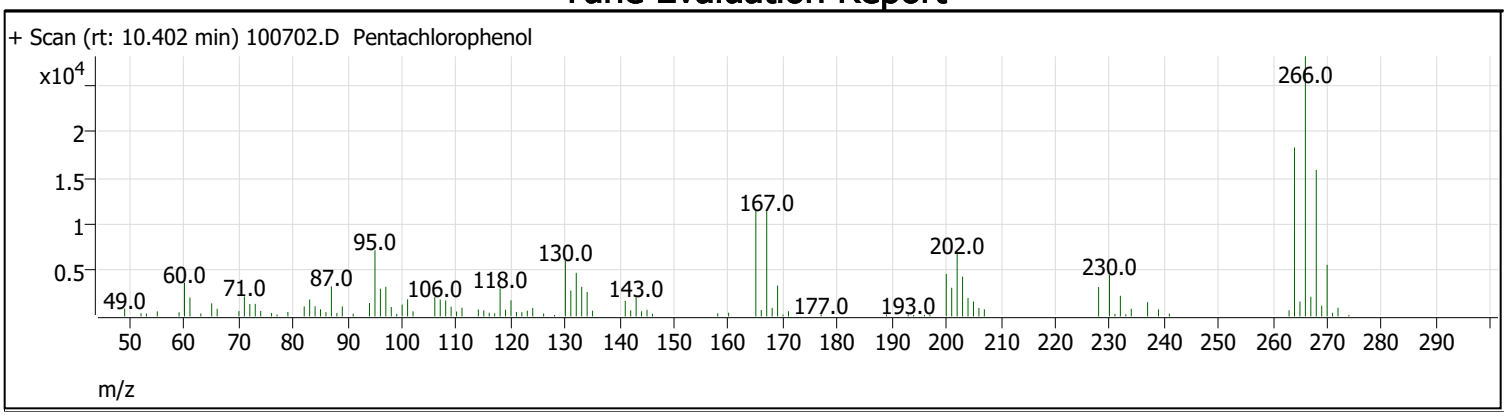


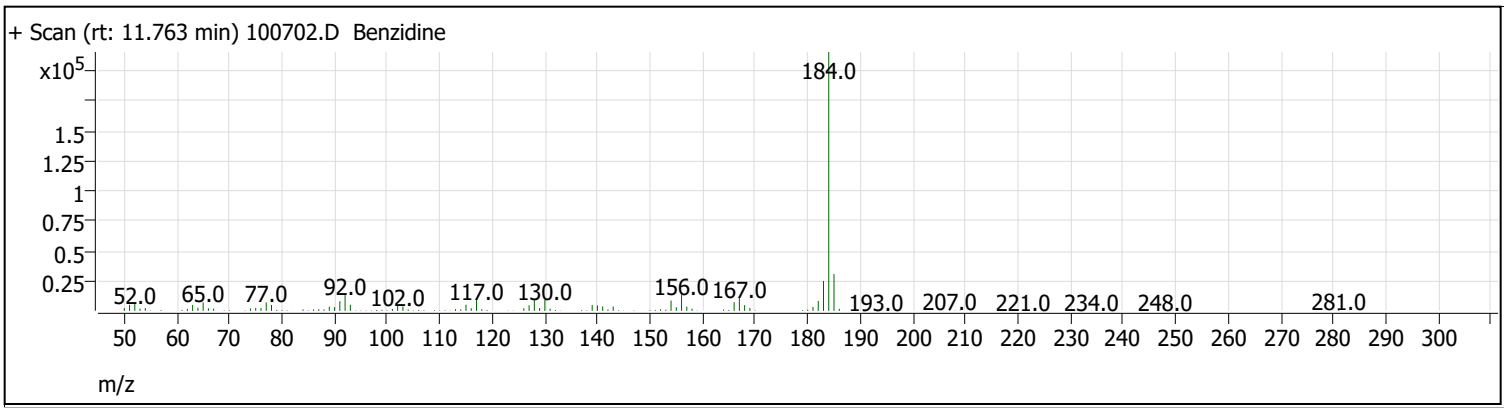




Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	12.600	12.555	936764	0.0	Pass
4,4'-DDD	12.500	0.000	0		

Tune Evaluation Report





Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	10.540	10.402	1.9	3.2	Pass
Benzidine	11.906	11.763	1.2	2.8	Pass

DATA SET for Review -- Deliverable Requirements

Polychlorinated Biphenyls (PCB) by EPA 8082

Fremont Analytical Work Order No. 2110067

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information

Injection Log

Data Directory: D:\GC-16\Data\2021\093021\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 093034.D	8081_8082A_608.M			
No data found			0.000	N/A
2) 093001.D	8081_8082A_608.M			
CO		6	1.000	30 Sep 2021 07:54 am
3) 093002.D	8081_8082A_608.M			
1660 10		11	1.000	30 Sep 2021 08:04 am
4) 093003.D	8081_8082A_608.M			
1660 20		12	1.000	30 Sep 2021 08:14 am
5) 093004.D	8081_8082A_608.M			
1660 50		13	1.000	30 Sep 2021 08:24 am
6) 093005.D	8081_8082A_608.M			
1660 100		14	1.000	30 Sep 2021 08:33 am
7) 093006.D	8081_8082A_608.M			
1660 200		15	1.000	30 Sep 2021 08:43 am
8) 093007.D	8081_8082A_608.M			
1660 500		16	1.000	30 Sep 2021 08:53 am
9) 093008.D	8081_8082A_608.M			
1660 1000		17	1.000	30 Sep 2021 09:02 am
10) 093009.D	8081_8082A_608.M			
1660 2000		18	1.000	30 Sep 2021 09:12 am
11) 093010.D	8081_8082A_608.M			
1660 ICB		19	1.000	30 Sep 2021 09:22 am
12) 093011.D	8081_8082A_608.M			
1660 ICV		20	1.000	30 Sep 2021 09:32 am
13) 093012.D	8081_8082A_608.M			
1254 10		21	1.000	30 Sep 2021 09:41 am
14) 093013.D	8081_8082A_608.M			
1660 ICV		20	1.000	30 Sep 2021 09:51 am
15) 093014.D	8081_8082A_608.M			
1254 20		22	1.000	30 Sep 2021 10:02 am
16) 093015.D	8081_8082A_608.M			
1254 50		23	1.000	30 Sep 2021 10:12 am
17) 093016.D	8081_8082A_608.M			
1254 100		24	1.000	30 Sep 2021 10:22 am
18) 093017.D	8081_8082A_608.M			
1254 200		25	1.000	30 Sep 2021 10:33 am
19) 093018.D	8081_8082A_608.M			
1254 500		26	1.000	30 Sep 2021 10:42 am
20) 093019.D	8081_8082A_608.M			
1254 1000		27	1.000	30 Sep 2021 10:52 am
21) 093020.D	8081_8082A_608.M			
1254 2000		28	1.000	30 Sep 2021 11:02 am

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 22) 093021.D              8081_8082A_608.M
1254 ICB                                29    1.000     30 Sep 2021  11:12 am
  ------------------------------------------------------------------------------
 23) 093022.D              8081_8082A_608.M
1254 ICV                                30    1.000     30 Sep 2021  11:21 am
  ------------------------------------------------------------------------------
 24) 093023.D              8081_8082A_608.M
1660-CCV-33867A                         17    1.000     30 Sep 2021  11:31 am
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 25) 093024.D              8081_8082A_608.M
1254-CCV-33867A                         27    1.000     30 Sep 2021  11:41 am
  ------------------------------------------------------------------------------
 26) 093025.D              8081_8082A_608.M
MB-33867                                31    1.000     30 Sep 2021  11:50 am
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 27) 093026.D              8081_8082A_608.M
LCS1-33867                              32    1.000     30 Sep 2021  12:00 pm
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 28) 093027.D              8081_8082A_608.M
LCS1D-33867                             33    1.000     30 Sep 2021  12:10 pm
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 29) 093028.D              8081_8082A_608.M
LCS2-33867                              34    1.000     30 Sep 2021  12:20 pm
  ------------------------------------------------------------------------------
 30) 093029.D              8081_8082A_608.M
LCS-LL-33867                            35    1.000     30 Sep 2021  12:29 pm
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2109469-001A                            44    1.000     30 Sep 2021  12:39 pm
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 32) 093031.D              8081_8082A_608.M
2109469-001AMS                          45    1.000     30 Sep 2021  12:49 pm
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 33) 093032.D              8081_8082A_608.M
2109390-011E                            36    1.000     30 Sep 2021  12:58 pm
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 34) 093033.D              8081_8082A_608.M
2109397-003C                            37    1.000     30 Sep 2021  01:08 pm
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Injection Log

Data Directory: D:\GC-16\Data\2021\100621\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
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CO			7	1.000	06 Oct 2021 08:32 am
3)	100603.D	8081_8082A_608.M			
1660-CCV-			6	1.000	06 Oct 2021 08:41 am
4)	100604.D	8081_8082A_608.M			
1254-CCV-			7	1.000	06 Oct 2021 08:51 am
5)	100605.D	8081_8082A_608.M			
1660-CCV-NEW			6	1.000	06 Oct 2021 12:15 pm
6)	100606.D	8081_8082A_608.M			
1254-CCV-NEW			7	1.000	06 Oct 2021 12:25 pm
7)	100607.D	8081_8082A_608.M			
MB-33955			31	1.000	06 Oct 2021 01:01 pm
8)	100608.D	8081_8082A_608.M			
LCS1-33955			32	1.000	06 Oct 2021 01:10 pm
9)	100609.D	8081_8082A_608.M			
LCS1D-33955			33	1.000	06 Oct 2021 01:20 pm
10)	100610.D	8081_8082A_608.M			
LCS2-33955			34	1.000	06 Oct 2021 01:30 pm
11)	100611.D	8081_8082A_608.M			
LCS-LL33955			35	1.000	06 Oct 2021 01:40 pm
12)	100612.D	8081_8082A_608.M			
2109499-006A			36	1.000	06 Oct 2021 01:49 pm
13)	100613.D	8081_8082A_608.M			
CO			7	1.000	06 Oct 2021 01:59 pm
14)	100614.D	8081_8082A_608.M			
1660-CCV-			6	1.000	06 Oct 2021 02:09 pm
15)	100615.D	8081_8082A_608.M			
1254-CCV-			7	1.000	06 Oct 2021 02:19 pm
16)	100616.D	8081_8082A_608.M			
MB-33955			41	1.000	06 Oct 2021 02:28 pm
17)	100617.D	8081_8082A_608.M			
MB-33955			31	1.000	06 Oct 2021 02:38 pm
18)	100618.D	8081_8082A_608.M			
LCS1-33955			32	1.000	06 Oct 2021 02:48 pm
19)	100619.D	8081_8082A_608.M			
LCS1D-33955			33	1.000	06 Oct 2021 02:57 pm
20)	100620.D	8081_8082A_608.M			
LCS2-33955			34	1.000	06 Oct 2021 03:07 pm
21)	100621.D	8081_8082A_608.M			
2109499-006A			36	1.000	06 Oct 2021 03:17 pm

22) 100622.D 8081_8082A_608.M
1660-CCV- 6 1.000 06 Oct 2021 03:27 pm
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23) 100623.D 8081_8082A_608.M
1254-CCV- 7 1.000 06 Oct 2021 03:36 pm
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24) 100624.D 8081_8082A_608.M
MB-33967 51 1.000 06 Oct 2021 03:46 pm
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25) 100625.D 8081_8082A_608.M
LCS1-33967 52 1.000 06 Oct 2021 03:56 pm
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26) 100626.D 8081_8082A_608.M
LCS2-33967 53 1.000 06 Oct 2021 04:06 pm
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27) 100627.D 8081_8082A_608.M
2110067-001A 54 1.000 06 Oct 2021 04:15 pm
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28) 100628.D 8081_8082A_608.M
2110067-001AMS 55 1.000 06 Oct 2021 04:25 pm
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29) 100629.D 8081_8082A_608.M
2110067-001AMSD 56 1.000 06 Oct 2021 04:35 pm
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30) 100630.D 8081_8082A_608.M
2110067-002A 57 1.000 06 Oct 2021 04:45 pm
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31) 100631.D 8081_8082A_608.M
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34) 100634.D 8081_8082A_608.M
2110067-006A 61 1.000 06 Oct 2021 05:24 pm
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35) 100635.D 8081_8082A_608.M
2110067-007A 62 1.000 06 Oct 2021 05:33 pm
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36) 100636.D 8081_8082A_608.M
2110067-008A 63 1.000 06 Oct 2021 05:43 pm
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37) 100637.D 8081_8082A_608.M
2110067-009A 64 1.000 06 Oct 2021 05:53 pm
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38) 100638.D 8081_8082A_608.M
2110067-010A 65 1.000 06 Oct 2021 06:02 pm
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39) 100639.D 8081_8082A_608.M
2110067-020A 66 1.000 06 Oct 2021 06:12 pm
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40) 100640.D 8081_8082A_608.M
1660-CCV- 6 1.000 06 Oct 2021 06:22 pm
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41) 100641.D 8081_8082A_608.M
1254-CCV- 7 1.000 06 Oct 2021 06:32 pm
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42) 100642.D 8081_8082A_608.M
MB-33955 41 1.000 06 Oct 2021 06:41 pm
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43) 100643.D 8081_8082A_608.M
LCS1-33955 42 1.000 06 Oct 2021 06:51 pm
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44) 100644.D 8081_8082A_608.M
LCS1D-33955 43 1.000 06 Oct 2021 07:01 pm
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45) 100645.D 8081_8082A_608.M

LCS2-33955 44 1.000 06 Oct 2021 07:10 pm

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46) 100646.D 8081_8082A_608.M
LCS-LL33955 45 1.000 06 Oct 2021 07:20 pm

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47) 100647.D 8081_8082A_608.M
2110035-002C 46 1.000 06 Oct 2021 07:30 pm

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48) 100648.D 8081_8082A_608.M
2110035-002CMS 47 1.000 06 Oct 2021 07:40 pm

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49) 100649.D 8081_8082A_608.M
2110035-003C 48 1.000 06 Oct 2021 07:49 pm

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50) 100650.D 8081_8082A_608.M
2110035-004C 49 1.000 06 Oct 2021 07:59 pm

---

51) 100651.D 8081_8082A_608.M
CO 6 1.000 06 Oct 2021 08:09 pm

---

52) 100652.D 8081_8082A_608.M
1660-CCV- 6 1.000 06 Oct 2021 08:18 pm

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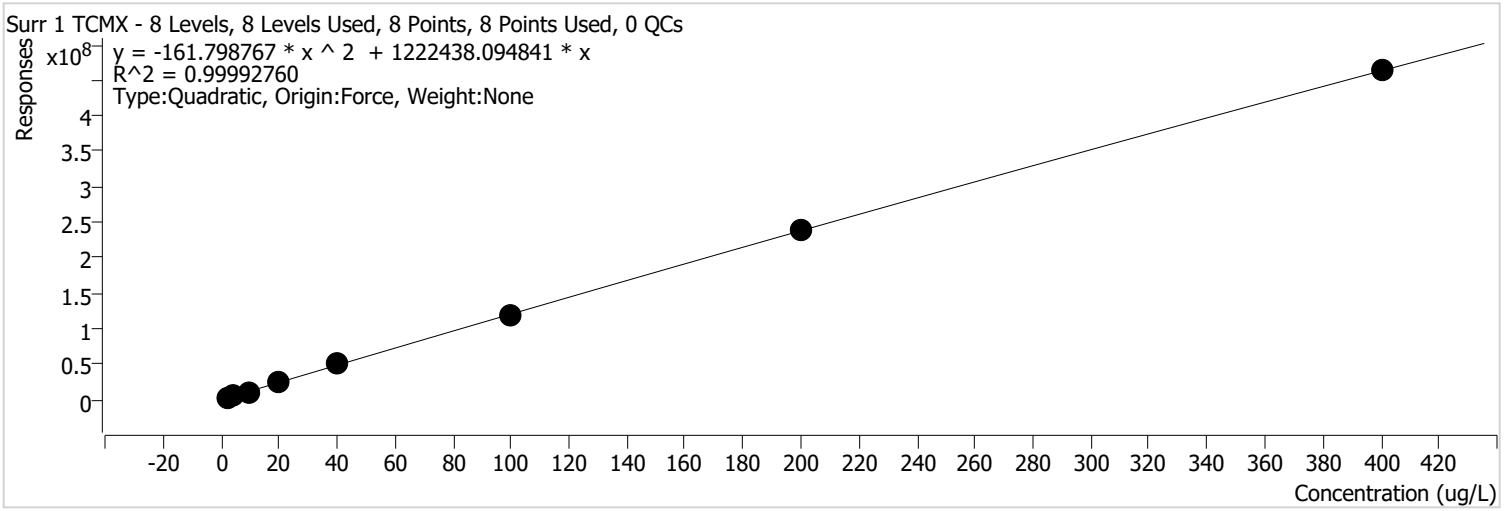
53) 100653.D 8081_8082A_608.M
1254-CCV- 7 1.000 06 Oct 2021 08:28 pm

Calibration

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:22 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 1 TCMX %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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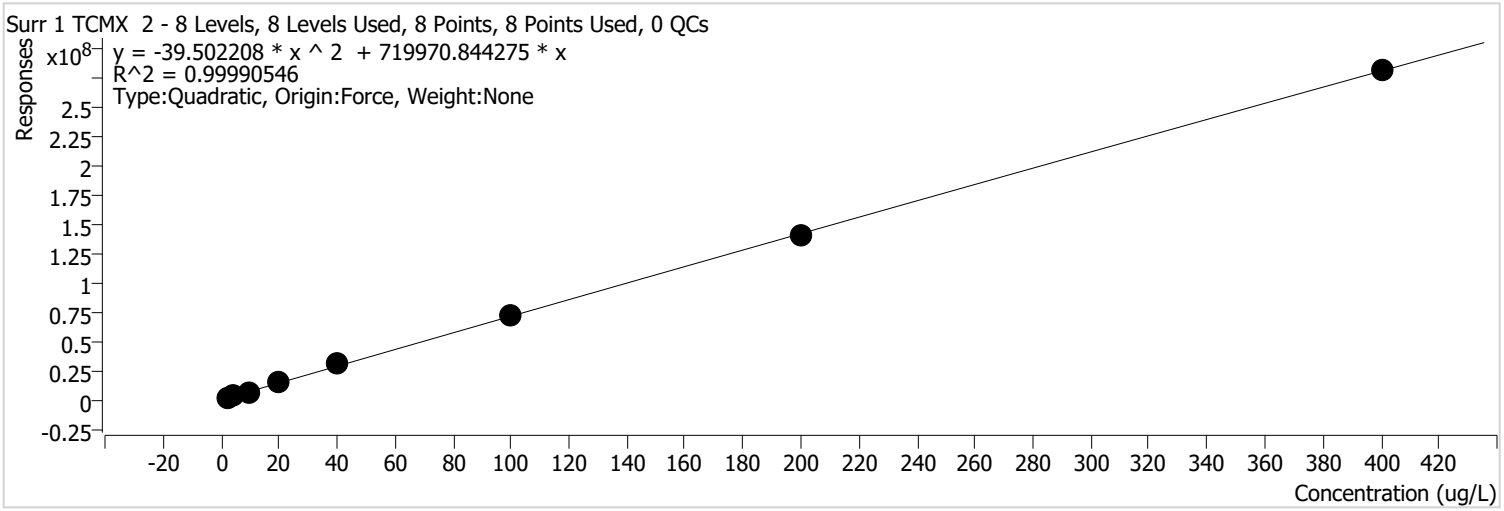
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	5501171	4.0000	1375292.7028	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	11449948	10.0000	1144994.7636	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	26421926	20.0000	1321096.2764	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	50798942	40.0000	1269973.5488	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	118768018	100.0000	1187680.1829	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	238292847	200.0000	1191464.2361	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	463107967	400.0000	1157769.9172	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 1 TCMX 2 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	1453156	2.0000	726578.2125	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	3470818	4.0000	867704.5477	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	6955331	10.0000	695533.1168	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	15983700	20.0000	799184.9873	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	30416920	40.0000	760422.9906	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	71319062	100.0000	713190.6157	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	141716800	200.0000	708584.0024	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	281839270	400.0000	704598.1740	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

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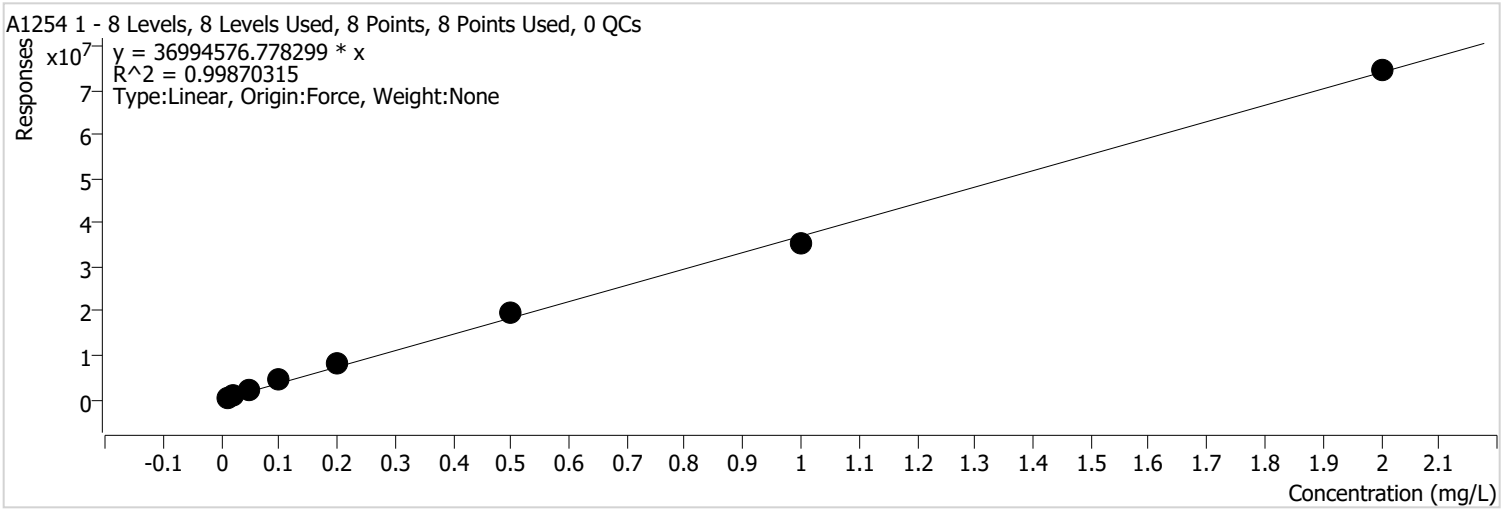
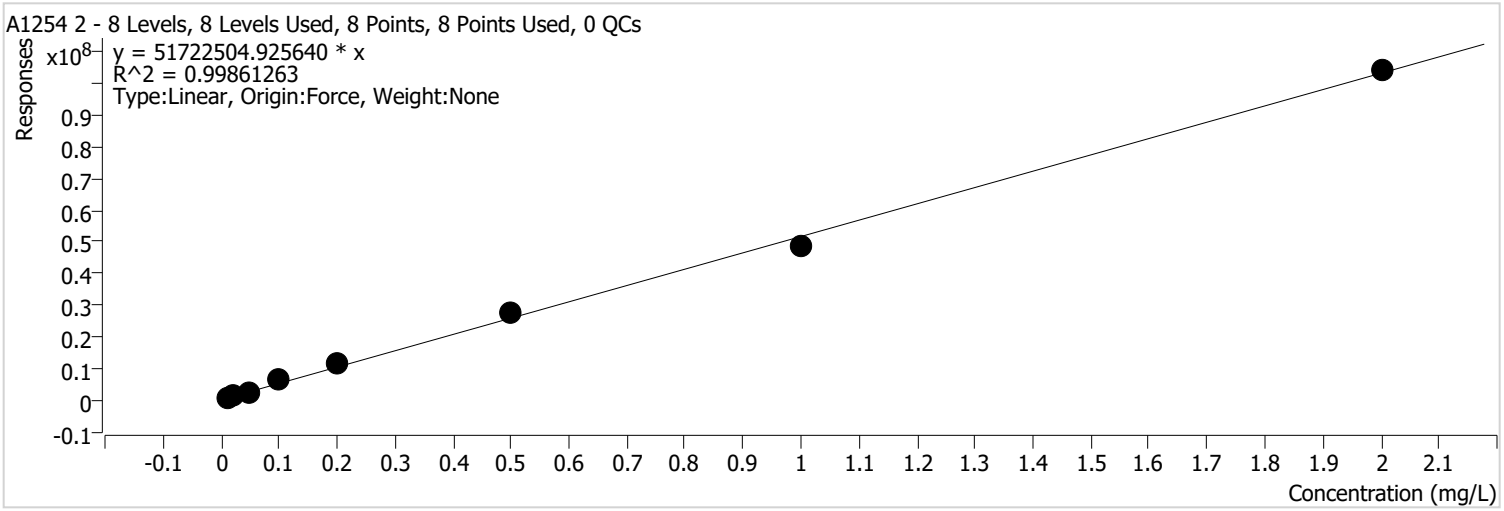


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	395855	0.0100	39585515.2992	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	944393	0.0200	47219666.5214	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2057399	0.0500	41147983.0597	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4641418	0.1000	46414177.6100	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	8328295	0.2000	41641475.2047	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	19677294	0.5000	39354588.7044	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	35378372	1.0000	35378372.4367	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	74354852	2.0000	37177425.9706	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

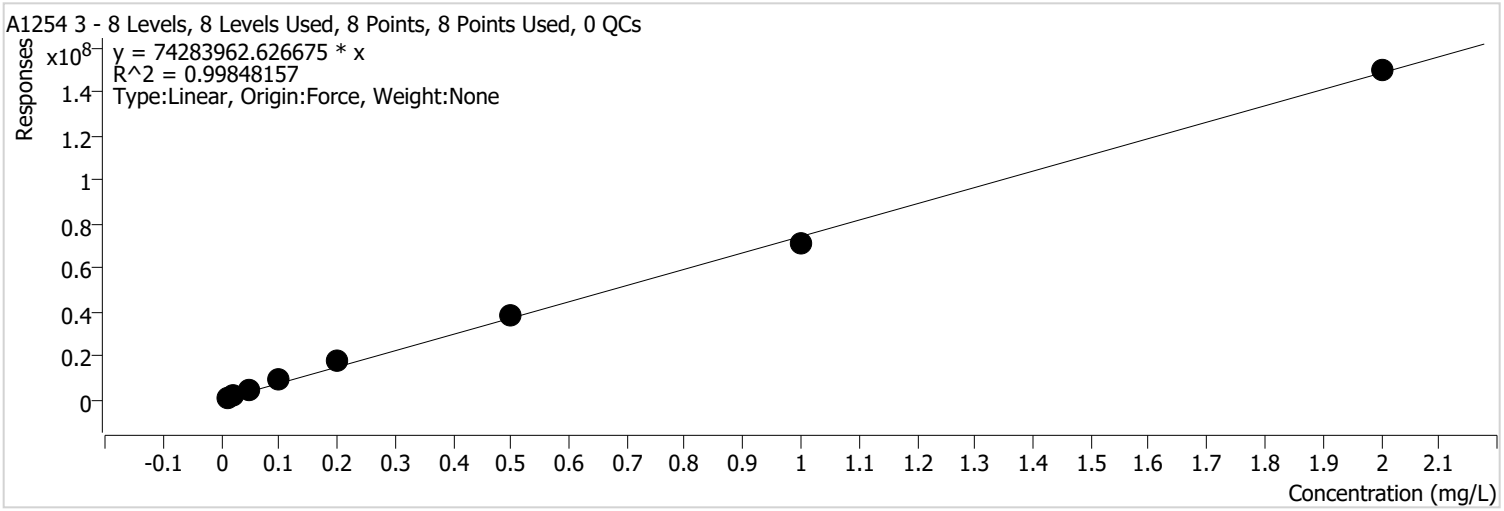
A1254 2 %RSE = 23.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	724183	0.0100	72418255.2468	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1367687	0.0200	68384349.9245	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2664818	0.0500	53296364.1113	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	6329142	0.1000	63291424.4759	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	11640085	0.2000	58200422.9118	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	27312124	0.5000	54624248.9388	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	49133781	1.0000	49133781.3867	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	104182916	2.0000	52091458.0906	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

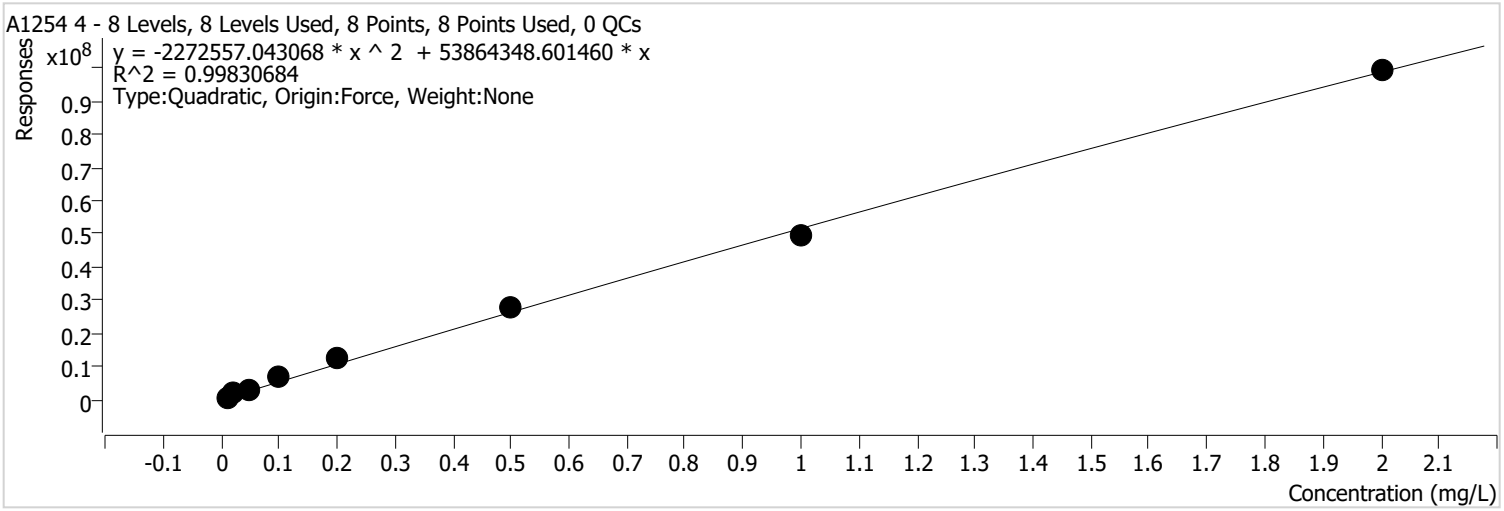
A1254 3 %RSE = 25.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	968244	0.0100	96824407.6425	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	2137905	0.0200	106895252.8077	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	4041302	0.0500	80826030.1402	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	9199778	0.1000	91997781.0889	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	17458680	0.2000	87293400.7929	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	38943523	0.5000	77887045.9859	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	70621068	1.0000	70621068.4727	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	149584402	2.0000	74792201.0951	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

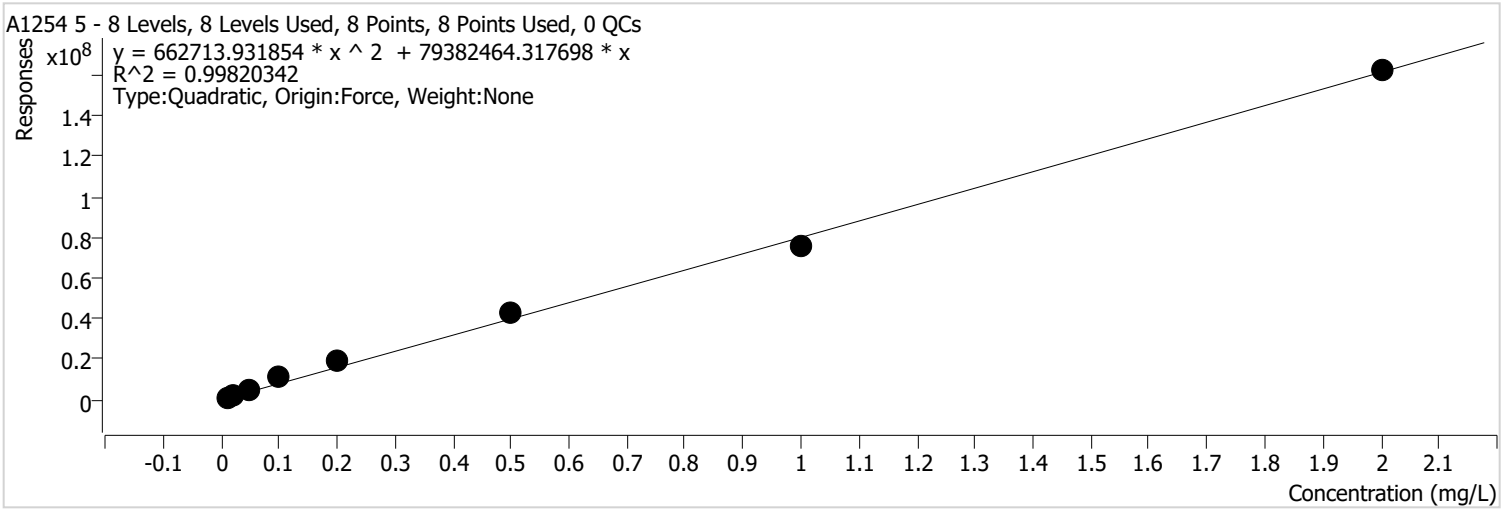
A1254 4 %RSE = 52.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	686096	0.0100	68609559.3839	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	2228251	0.0200	111412565.2676	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	3069701	0.0500	61394028.5651	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	6926129	0.1000	69261291.2286	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	12565315	0.2000	62826573.7891	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	27722398	0.5000	55444796.4972	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	49512340	1.0000	49512340.2188	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	99050337	2.0000	49525168.4548	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

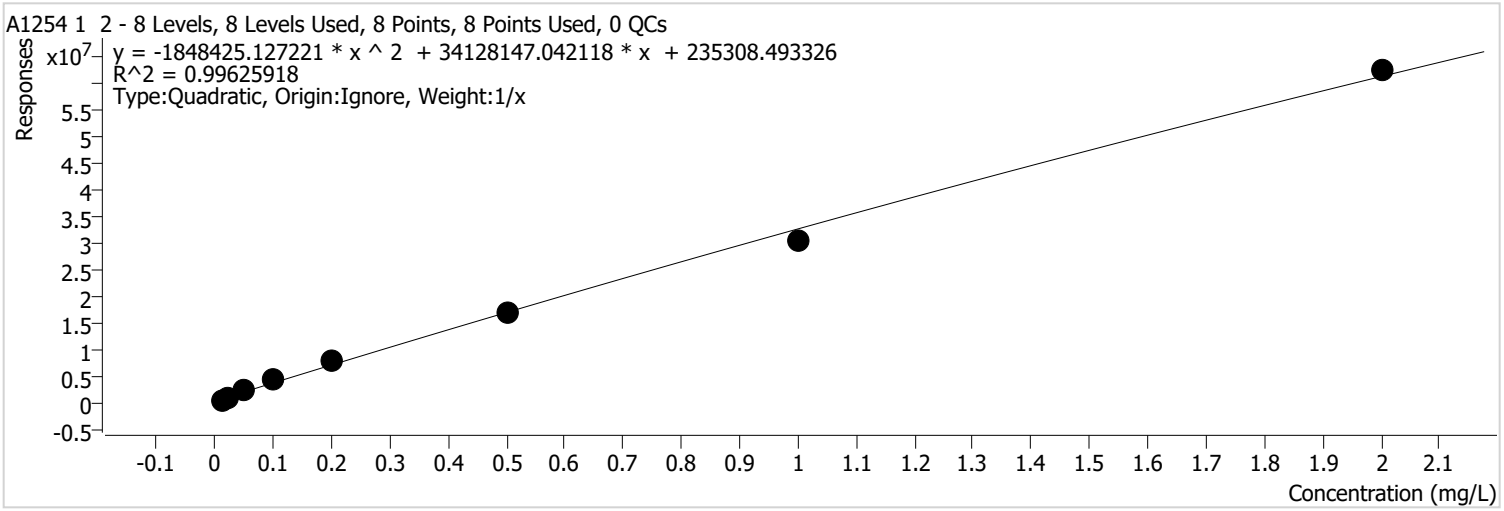
A1254 5 %RSE = 26.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	1020874	0.0100	10208741 9.6439	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1993529	0.0200	99676448 .6731	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	4751353	0.0500	95027052 .3297	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	10753746	0.1000	10753746 2.2424	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	18860824	0.2000	94304119 .8496	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	42553518	0.5000	85107036 .1156	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	76327536	1.0000	76327535 .6302	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	162139523	2.0000	81069761 .2765	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

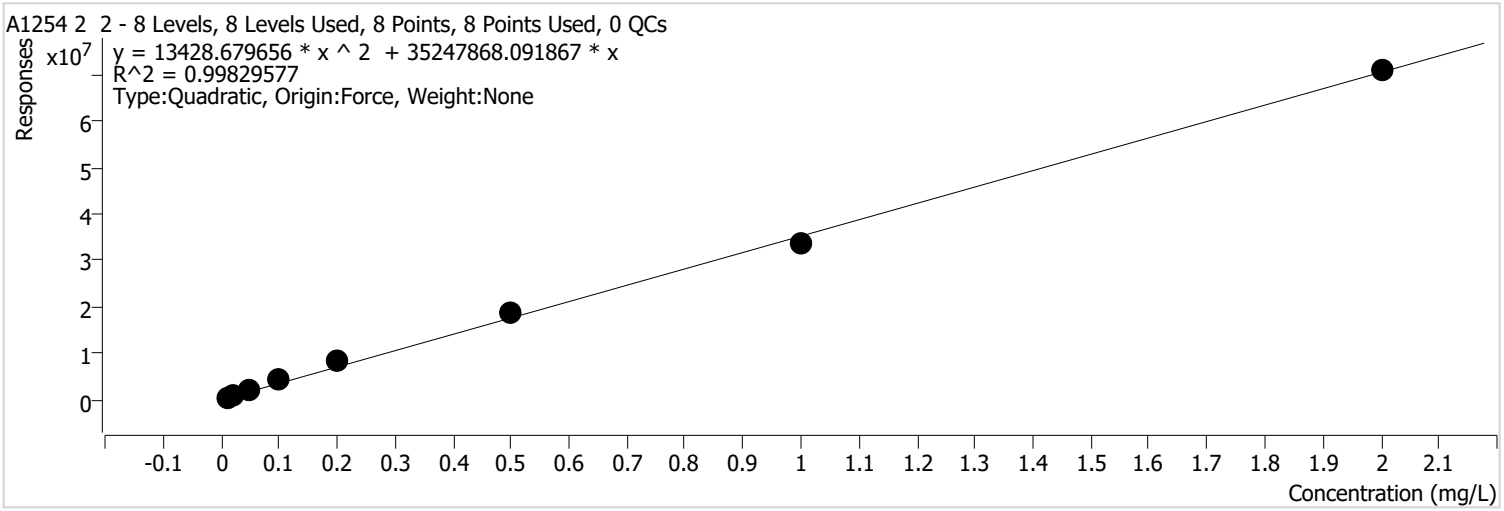
A1254 1 2 %RSE = 19.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	451635	0.0100	45163453.5256	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	980612	0.0200	49030615.3782	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2054540	0.0500	41090799.6005	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4167153	0.1000	41671526.9943	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	7671987	0.2000	38359936.8127	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	16802254	0.5000	33604508.3008	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	30206895	1.0000	30206895.4610	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	62162404	2.0000	31081201.7621	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

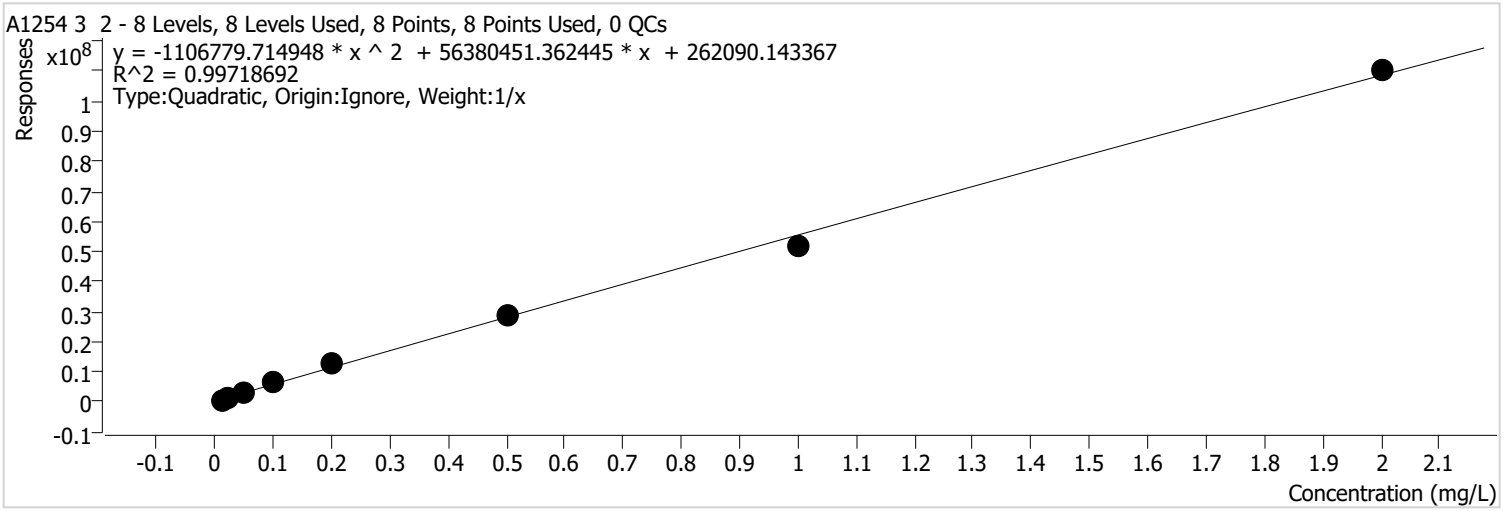
A1254 2 2 %RSE = 32.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	484954	0.0100	48495359.5819	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1059158	0.0200	52957882.2088	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	1985173	0.0500	39703465.3877	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4492117	0.1000	44921173.2075	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	8470833	0.2000	42354166.5894	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	18772932	0.5000	37545863.5221	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	33668459	1.0000	33668458.8550	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	70859255	2.0000	35429627.3418	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

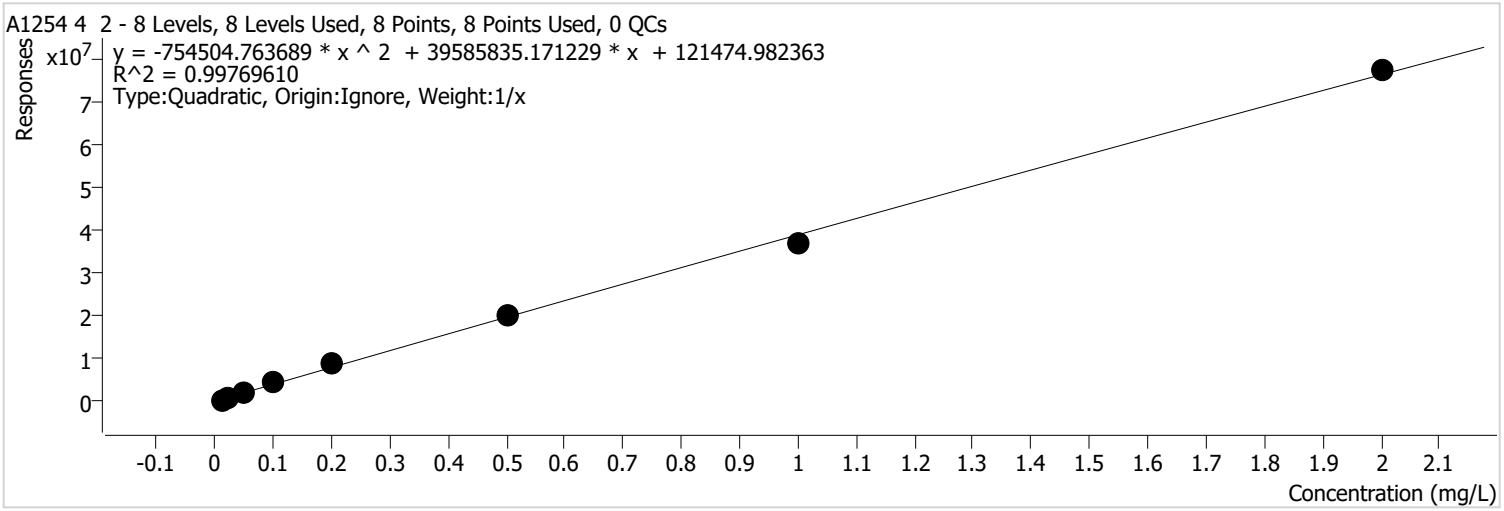
A1254 3 2 %RSE = 13.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	723400	0.0100	72339996.2119	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1487114	0.0200	74355714.8858	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2782341	0.0500	55646812.4860	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	6610456	0.1000	66104564.7499	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	12703123	0.2000	63515616.9206	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	28576557	0.5000	57153114.1770	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	51974329	1.0000	51974328.6251	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	110126299	2.0000	55063149.5740	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

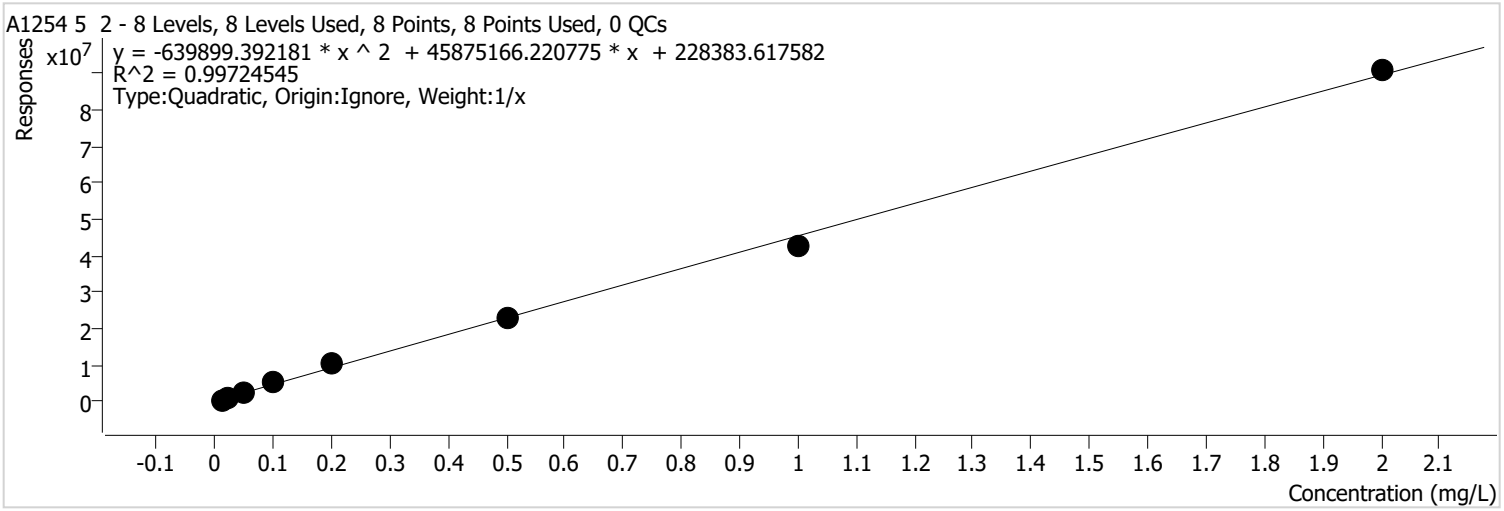
A1254 4 2 %RSE = 12.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	456167	0.0100	45616743.7009	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	992137	0.0200	49606842.0830	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	1842588	0.0500	36851751.2082	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4575383	0.1000	45753834.9499	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	8666046	0.2000	43330229.2589	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	20065006	0.5000	40130011.3551	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	36769274	1.0000	36769274.3145	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	77197100	2.0000	38598550.1918	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

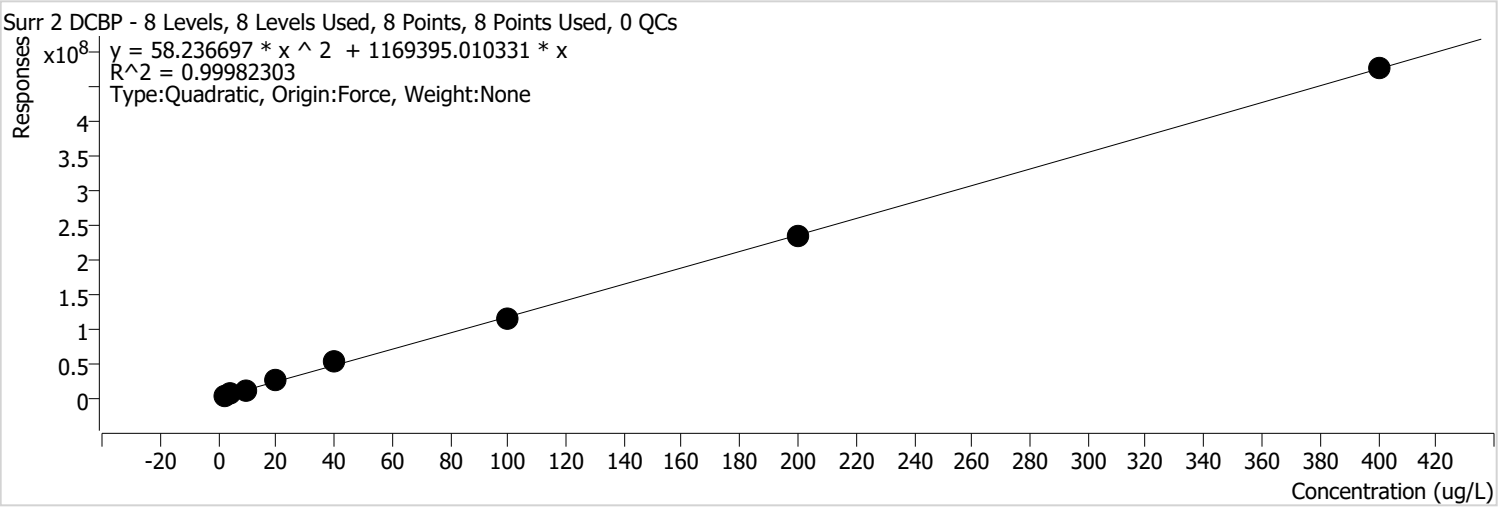
A1254 5 2 %RSE = 14.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	587780	0.0100	58778014.6034	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1251861	0.0200	62593052.6812	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2273246	0.0500	45464920.7455	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	5477425	0.1000	54774254.0032	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	10320059	0.2000	51600296.6787	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	23147064	0.5000	46294128.9996	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	42756438	1.0000	42756437.7267	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	90615453	2.0000	45307726.6005	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

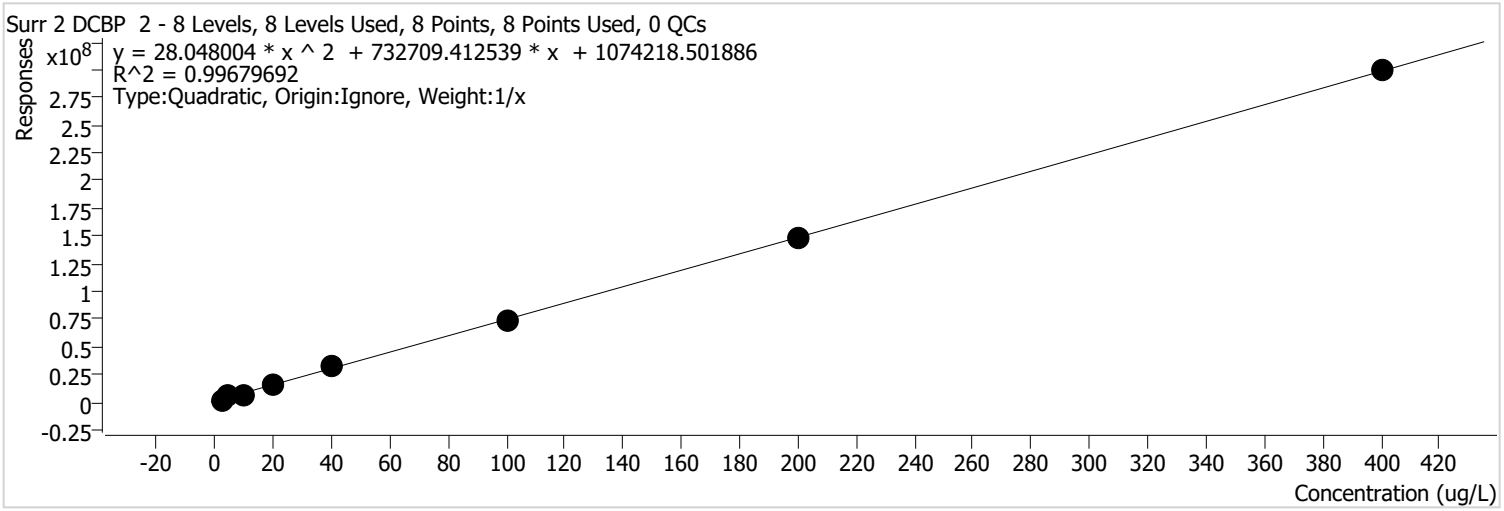
Surr 2 DCBP %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	3183383	2.0000	1591691.4434	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	6037207	4.0000	1509301.7922	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	10717279	10.0000	1071727.9287	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	26213780	20.0000	1310688.9819	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	51148440	40.0000	1278710.9979	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	115483968	100.0000	1154839.6777	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	235688984	200.0000	1178444.9213	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	477283772	400.0000	1193209.4297	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 2 DCBP 2 %RSE =

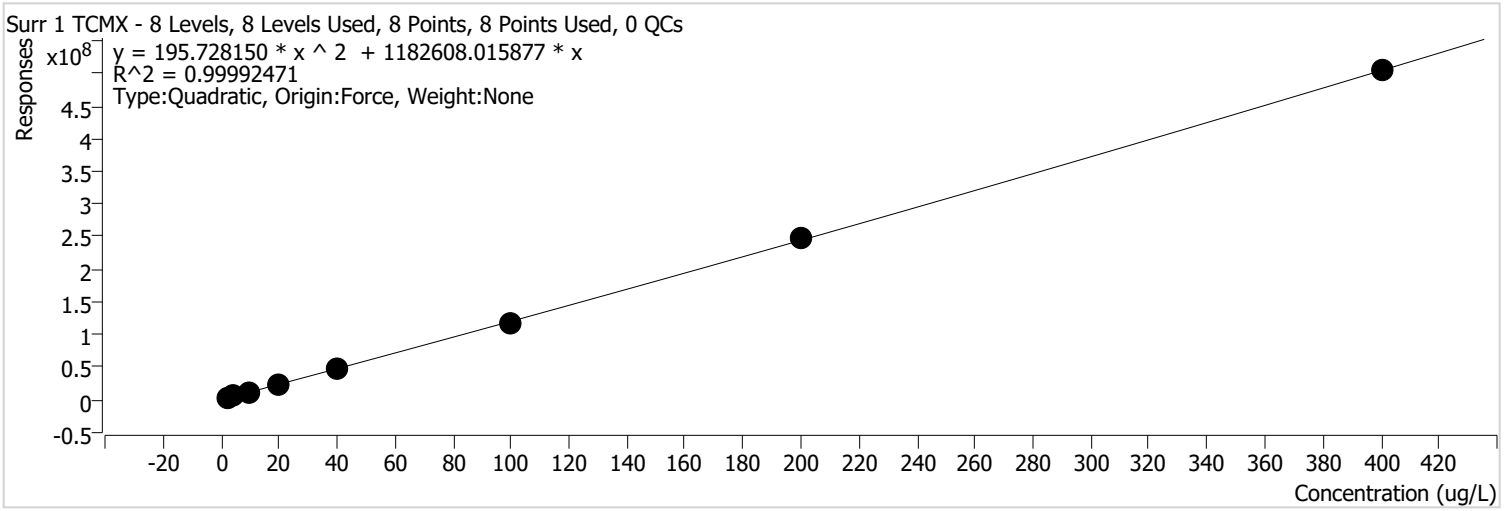


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	2044392	2.0000	1022196.0435	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	5552223	4.0000	1388055.6740	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	6444990	10.0000	644498.9905	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	16188871	20.0000	809443.5344	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	32492648	40.0000	812316.1880	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	73000396	100.0000	730003.9561	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	148348565	200.0000	741742.8246	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	299053711	400.0000	747634.2781	

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:30 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 1 TCMX %RSE = 4.5

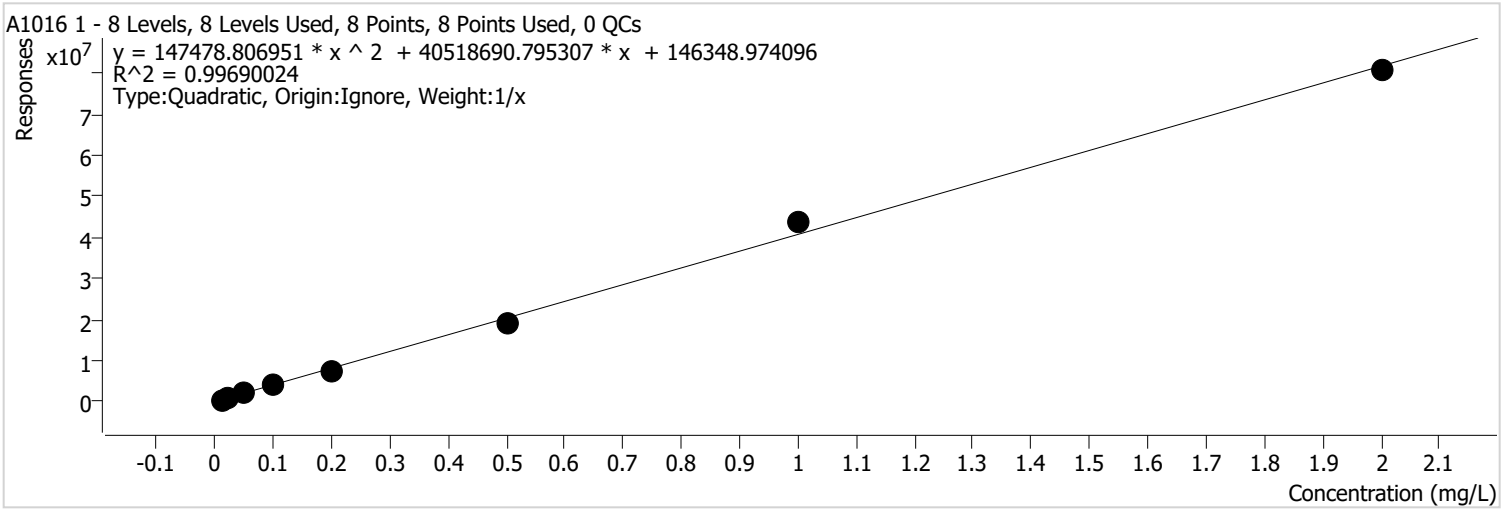


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	2474438	2.0000	1237219.1706	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	4987633	4.0000	1246908.2243	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	12384484	10.0000	1238448.4010	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	24518060	20.0000	1225902.9840	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	45851613	40.0000	1146290.3301	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	117657330	100.0000	1176573.3042	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	246692607	200.0000	1233463.0357	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	503949613	400.0000	1259874.0320	

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

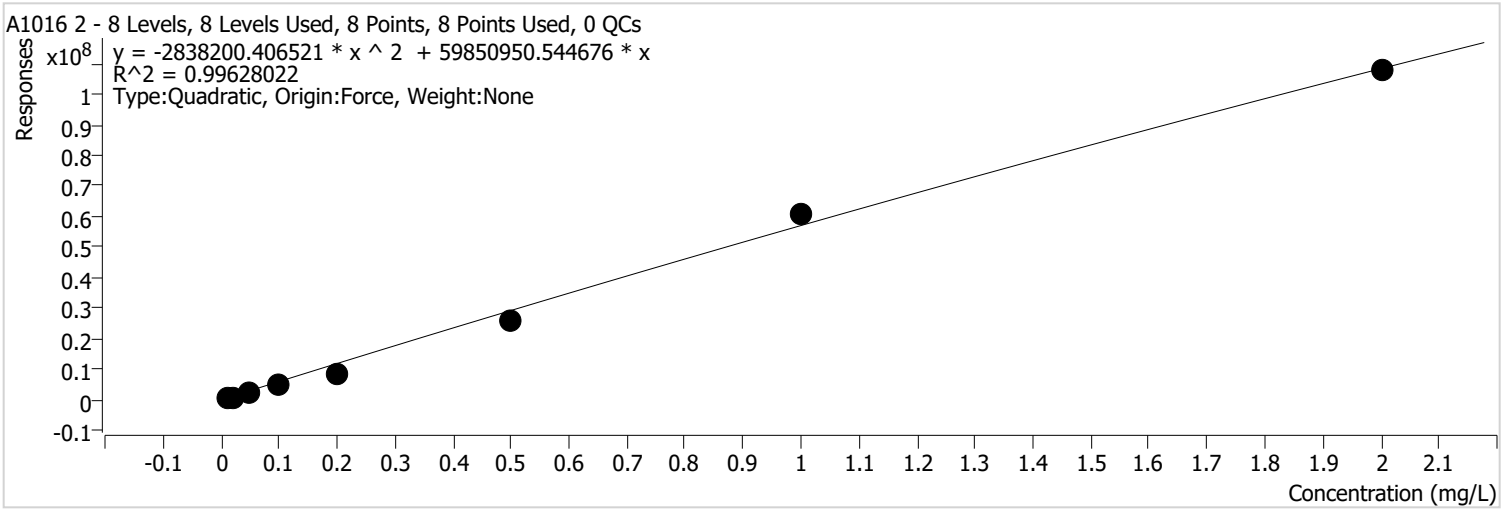
A1016 1 %RSE = 7.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	540249	0.0100	54024874.9832	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1015891	0.0200	50794541.9577	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2256885	0.0500	45137701.9491	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	4236470	0.1000	42364702.3382	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	7565183	0.2000	37825913.9081	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	18919821	0.5000	37839642.8154	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	44011403	1.0000	44011402.5153	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	80619491	2.0000	40309745.2835	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

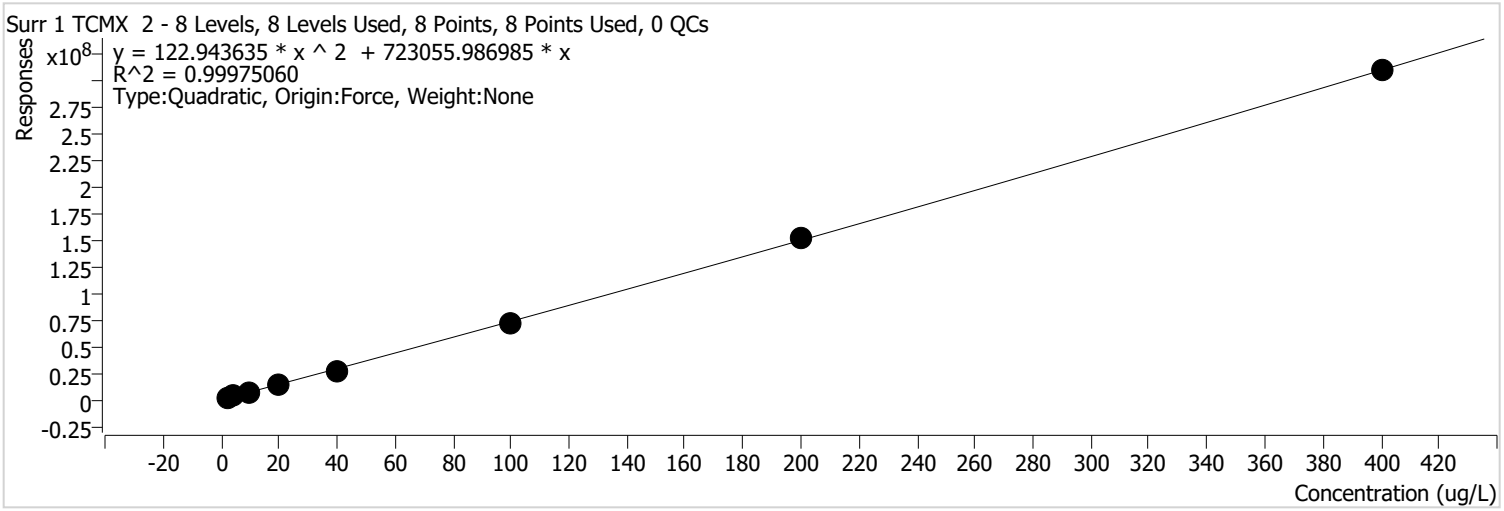
A1016 2 %RSE = 18.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	627978	0.0100	62797773.7890	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1009212	0.0200	50460581.6849	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2439382	0.0500	48787633.7407	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5094470	0.1000	50944700.0329	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	8813052	0.2000	44065261.7449	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	25705784	0.5000	51411568.8418	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	60964923	1.0000	60964923.3944	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	107613391	2.0000	53806695.4342	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

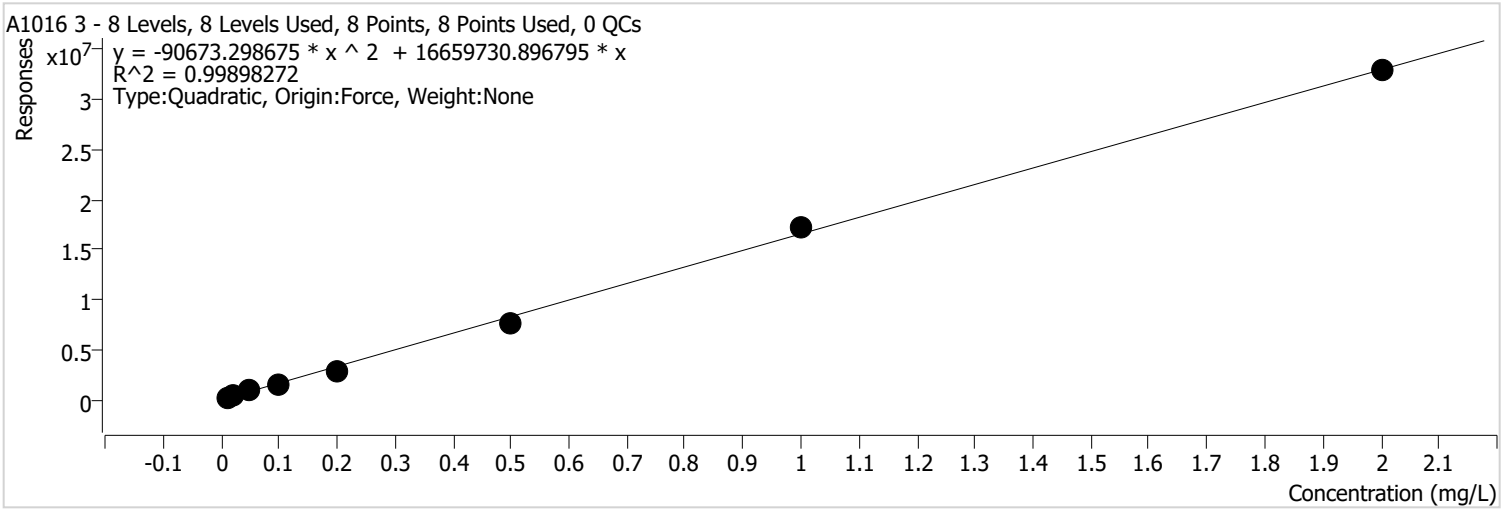
Surr 1 TCMX 2 %RSE = 4.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1503774	2.0000	751887.1802	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	3067405	4.0000	766851.1424	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	7327299	10.0000	732729.8999	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	14477484	20.0000	723874.1895	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	27169955	40.0000	679248.8664	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	70673943	100.0000	706739.4275	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	152366404	200.0000	761832.0216	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	308382330	400.0000	770955.8244	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

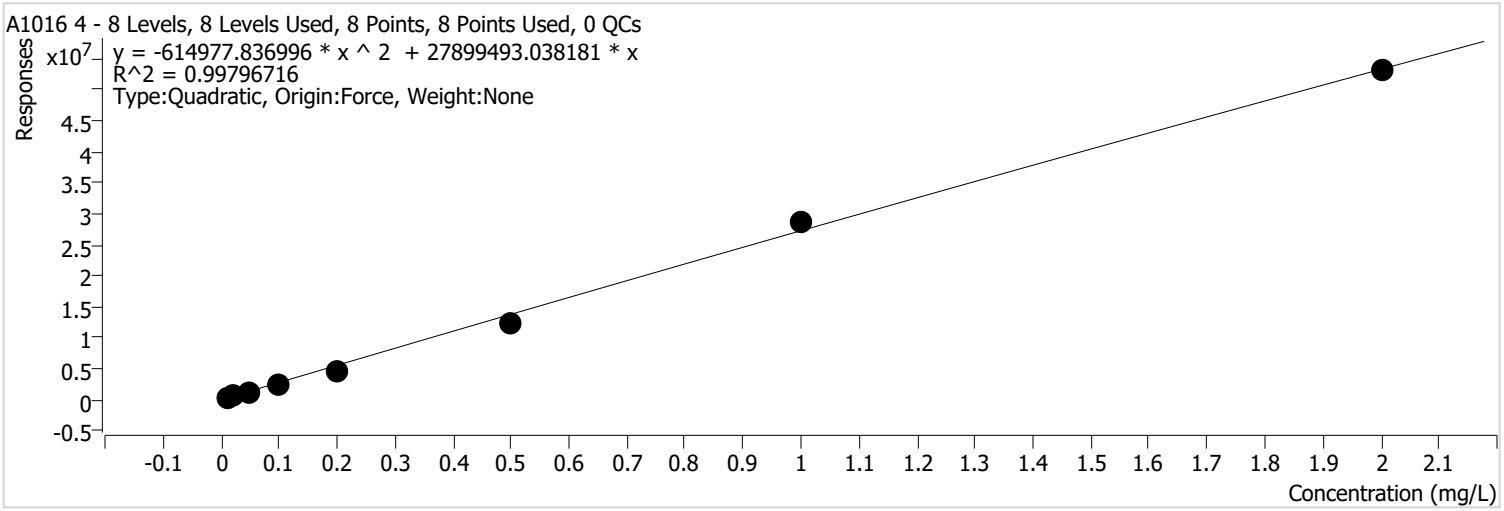
A1016 3 %RSE = 9.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	150518	0.0100	15051764.4428	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	347023	0.0200	17351127.6415	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	891972	0.0500	17839430.6314	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1592932	0.1000	15929318.1107	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	2808702	0.2000	14043512.2787	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	7760432	0.5000	15520863.4808	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	17173897	1.0000	17173896.8888	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	32845070	2.0000	16422535.0625	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

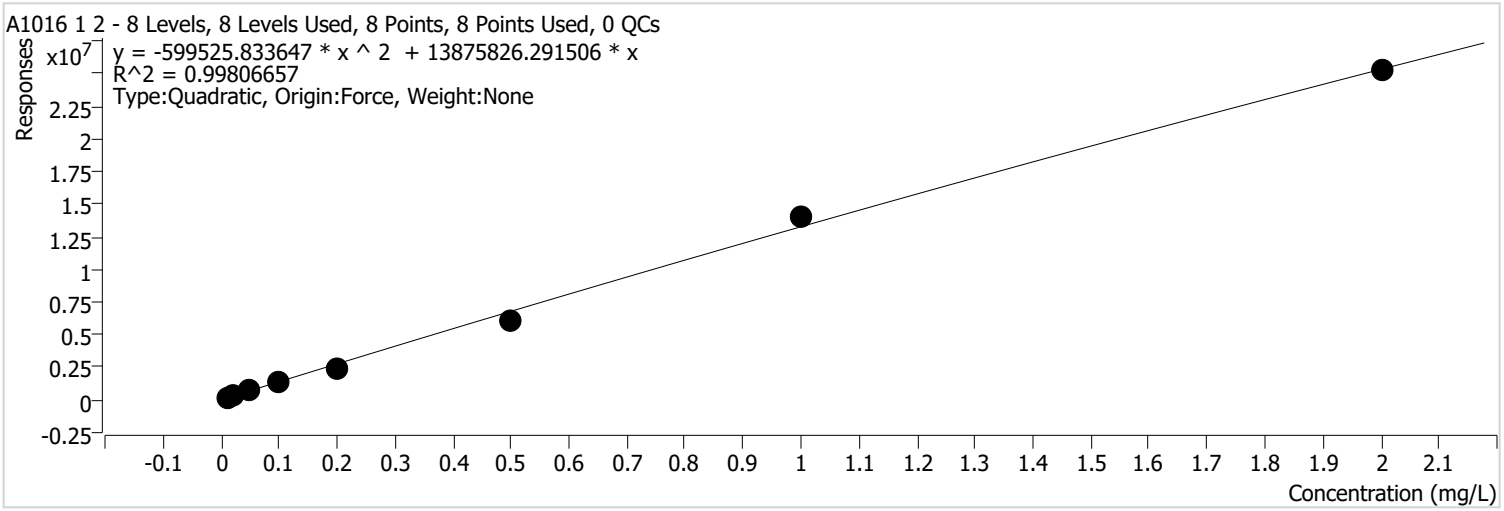
A1016 4 %RSE = 9.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	264805	0.0100	26480526.0256	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	561269	0.0200	28063472.0185	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1342581	0.0500	26851617.8650	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2651472	0.1000	26514719.9651	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	4621923	0.2000	23109614.1009	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	12370922	0.5000	24741844.6725	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	28719583	1.0000	28719582.8557	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	53079072	2.0000	26539535.8344	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

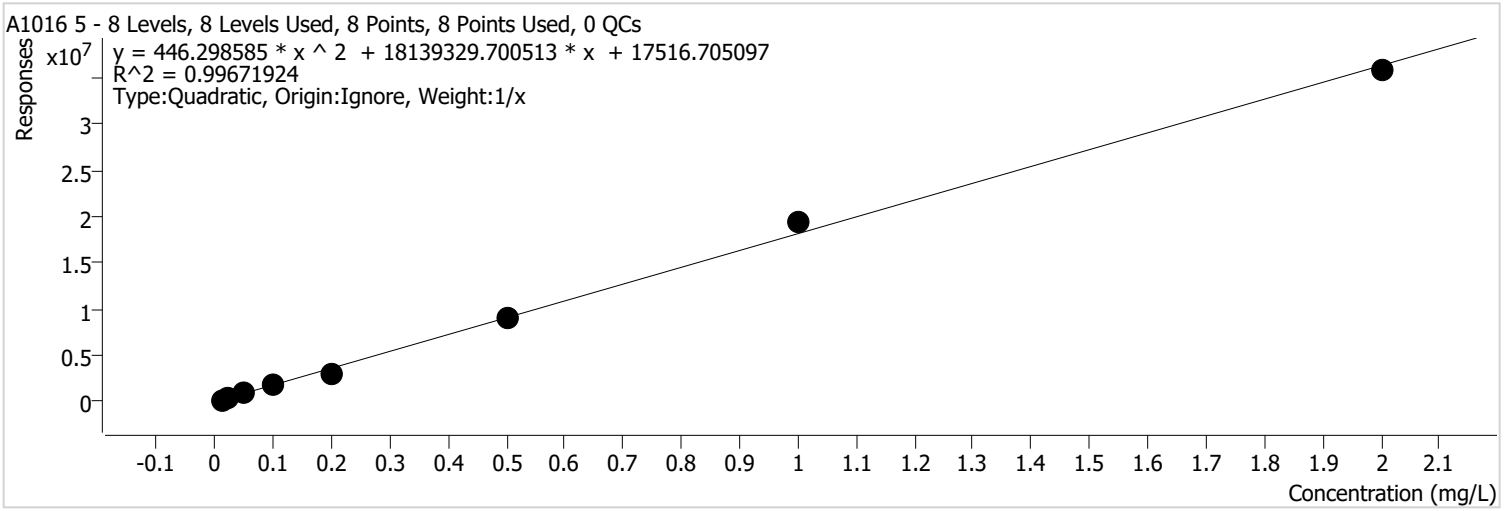
A1016 1 2 %RSE = 12.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	118129	0.0100	11812870.0000	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	244314	0.0200	12215704.7390	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	698533	0.0500	13970657.9333	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1290690	0.1000	12906899.7625	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	2386611	0.2000	11933056.9827	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	6093266	0.5000	12186532.2497	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	13946998	1.0000	13946997.5693	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	25233171	2.0000	12616585.3501	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

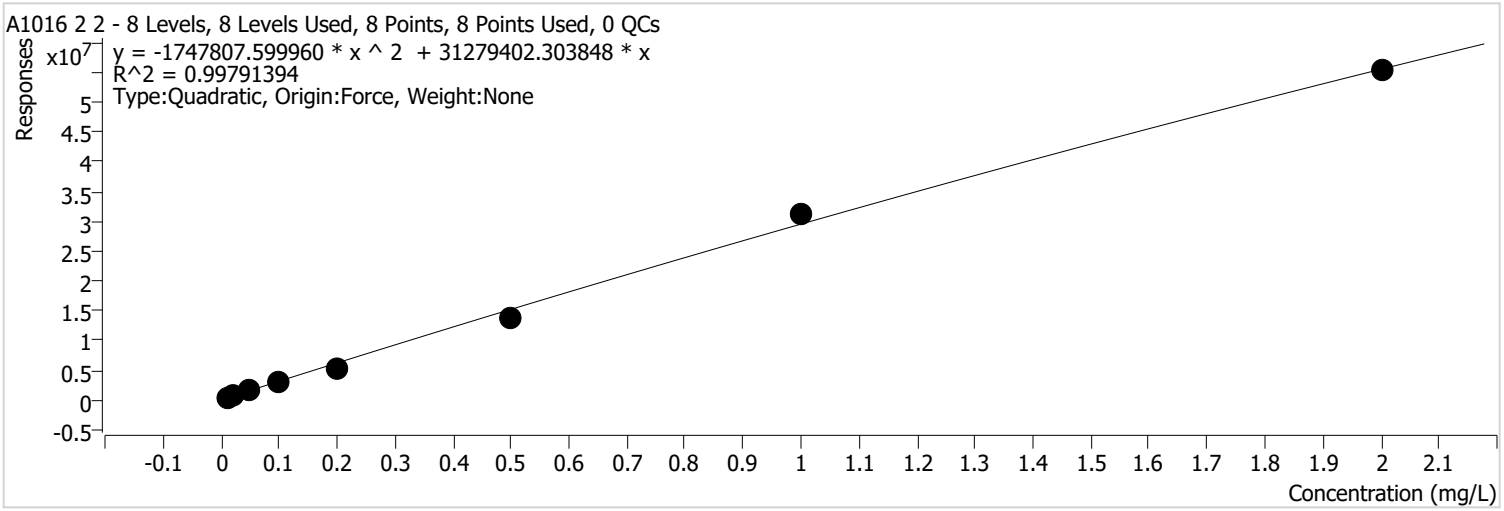
A1016 5 %RSE = 11.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	228423	0.0100	22842325.0434	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	385241	0.0200	19262071.5594	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	918195	0.0500	18363893.8530	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1732271	0.1000	17322706.8867	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	3056648	0.2000	15283237.9293	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	9003701	0.5000	18007401.7278	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	19474641	1.0000	19474641.2200	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	35723980	2.0000	17861989.9337	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

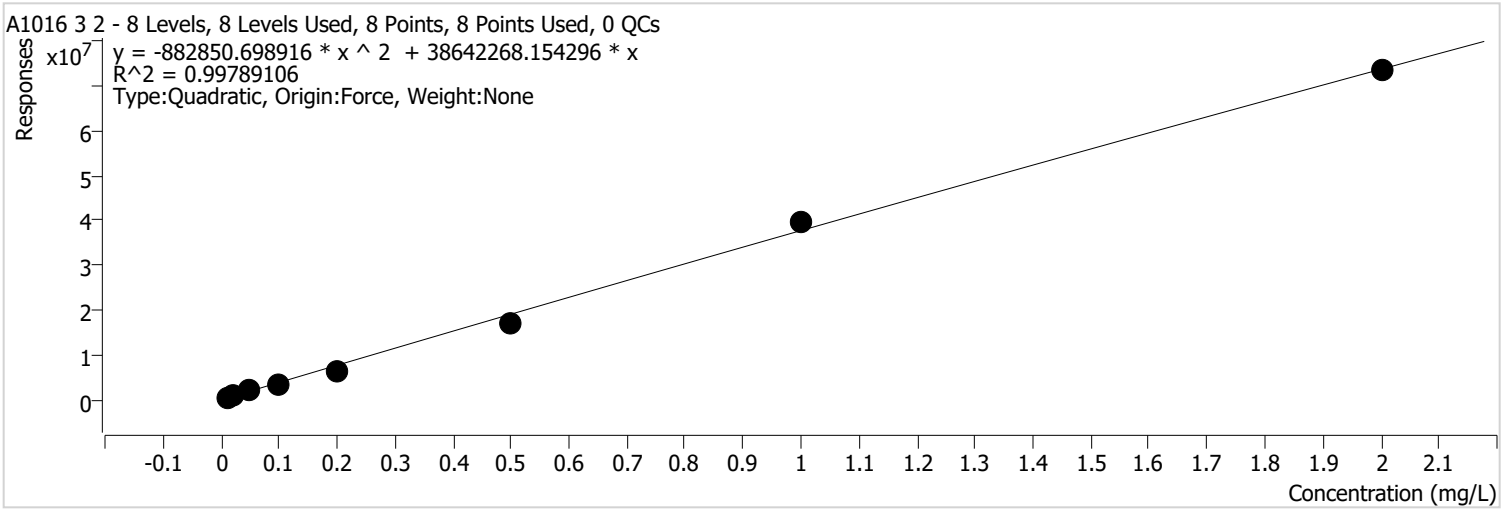
A1016 2 2 %RSE = 14.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	386077	0.0100	38607675.4343	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	627581	0.0200	31379063.7233	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1483941	0.0500	29678813.0000	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2919339	0.1000	29193390.2500	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	5269785	0.2000	26348922.8750	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	13662960	0.5000	27325920.0000	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	31058385	1.0000	31058384.5500	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	55291798	2.0000	27645899.2000	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

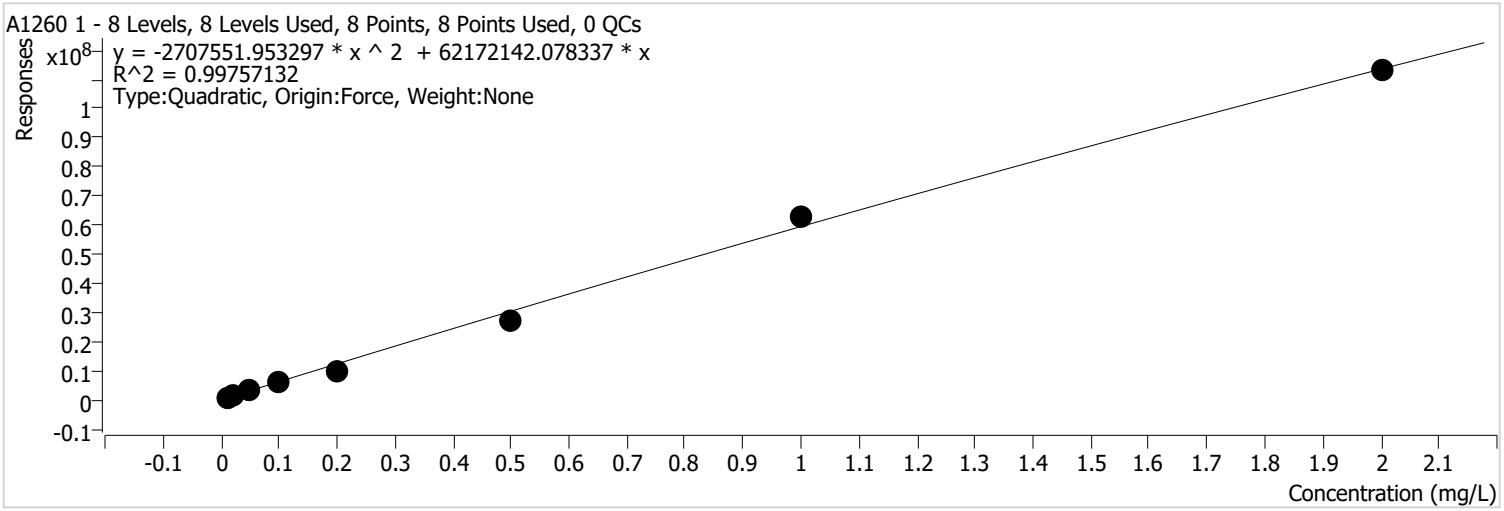
A1016 3 2 %RSE = 18.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	513215	0.0100	51321501.3373	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	851252	0.0200	42562596.9827	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1903978	0.0500	38079559.5011	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	3656426	0.1000	36564258.7508	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	6436607	0.2000	32183034.3425	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	17061022	0.5000	34122044.0001	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	39776008	1.0000	39776007.7546	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	73389516	2.0000	36694758.1582	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

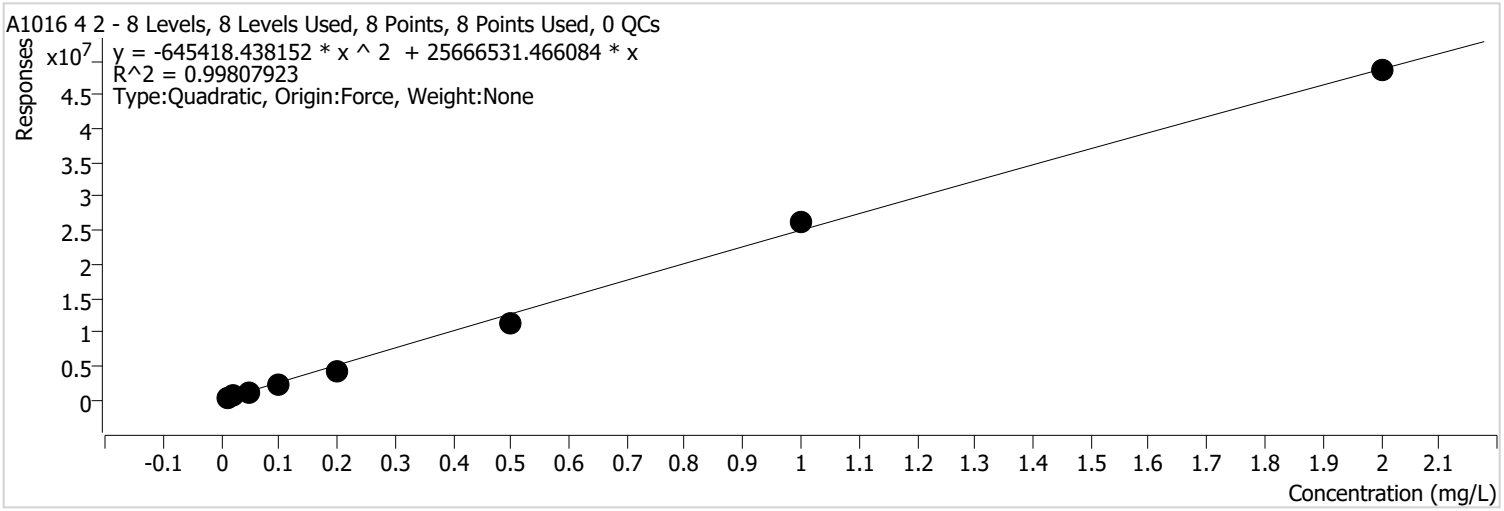
A1260 1 %RSE = 10.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	616855	0.0100	61685464.6166	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1228008	0.0200	61400419.3559	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2966130	0.0500	59322605.6706	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5874542	0.1000	58745416.6504	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	9863955	0.2000	49319772.7881	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	27258601	0.5000	54517202.8499	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	62787763	1.0000	62787762.9214	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	112905692	2.0000	56452845.7869	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

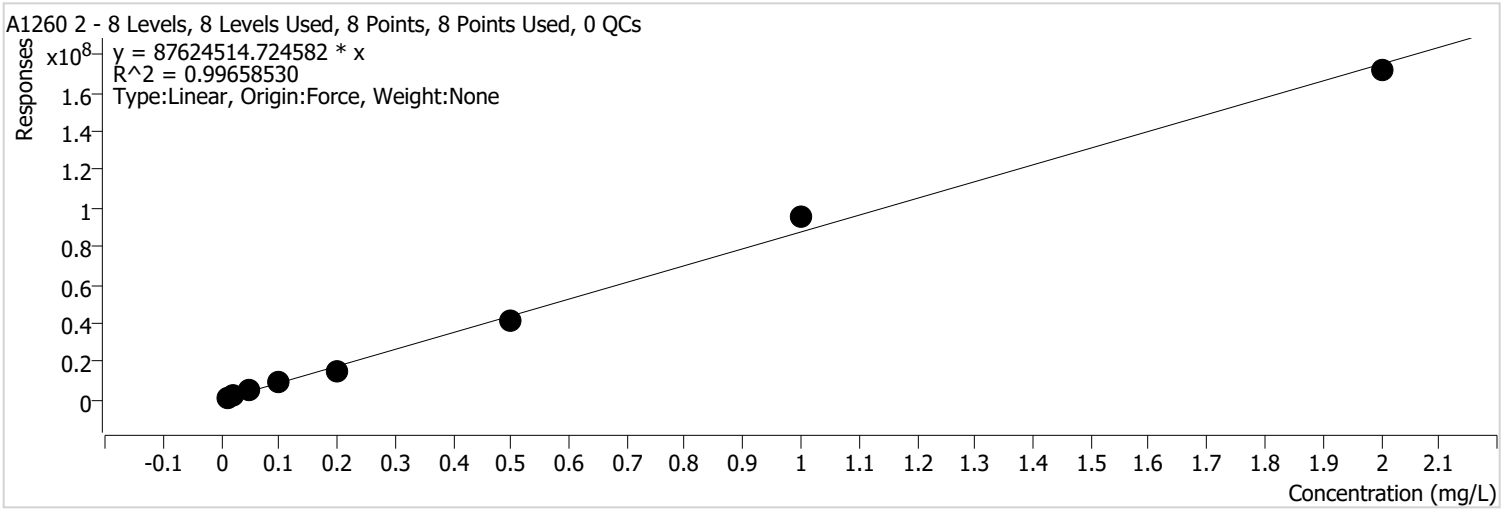
A1016 4 2 %RSE = 12.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	227079	0.0100	22707914.1335	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	461159	0.0200	23057966.0740	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1204375	0.0500	24087492.4589	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2346306	0.1000	23463058.8477	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	4314034	0.2000	21570168.5271	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	11406542	0.5000	22813084.7129	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	26306607	1.0000	26306607.1293	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	48517625	2.0000	24258812.3796	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

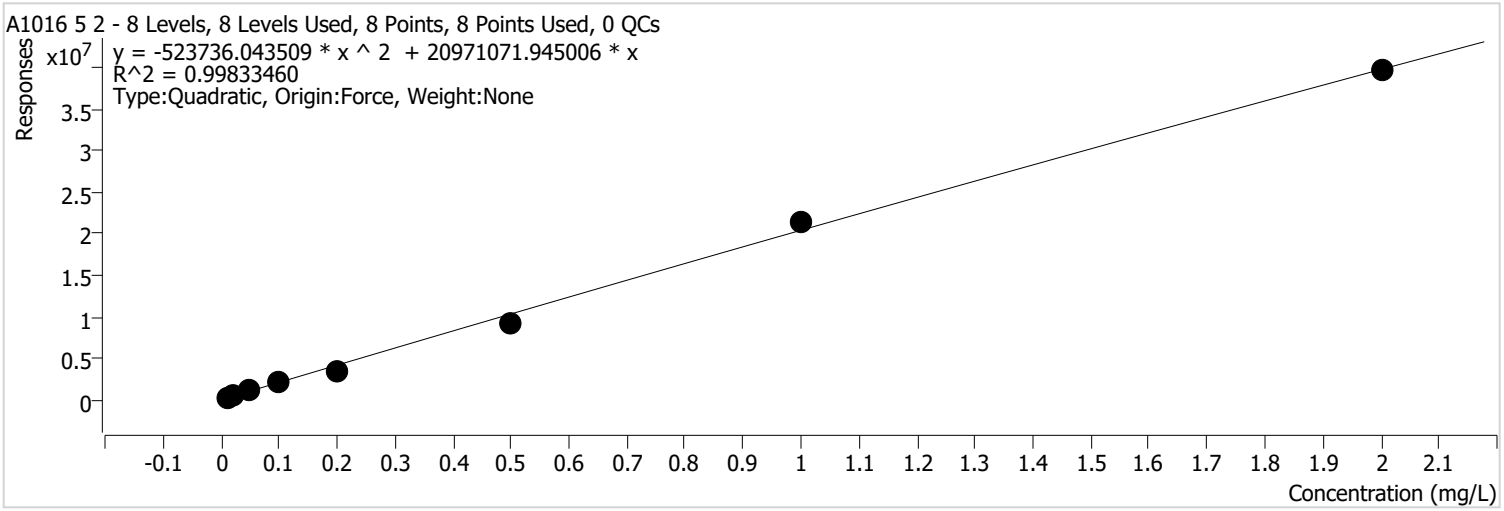
A1260 2 %RSE = 8.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	965094	0.0100	96509437.2949	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1927415	0.0200	96370772.9265	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	4578738	0.0500	91574756.2738	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	8884910	0.1000	88849103.4044	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	15527304	0.2000	77636521.9623	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	41930524	0.5000	83861047.8932	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	95966340	1.0000	95966339.7632	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	171735056	2.0000	85867527.9480	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

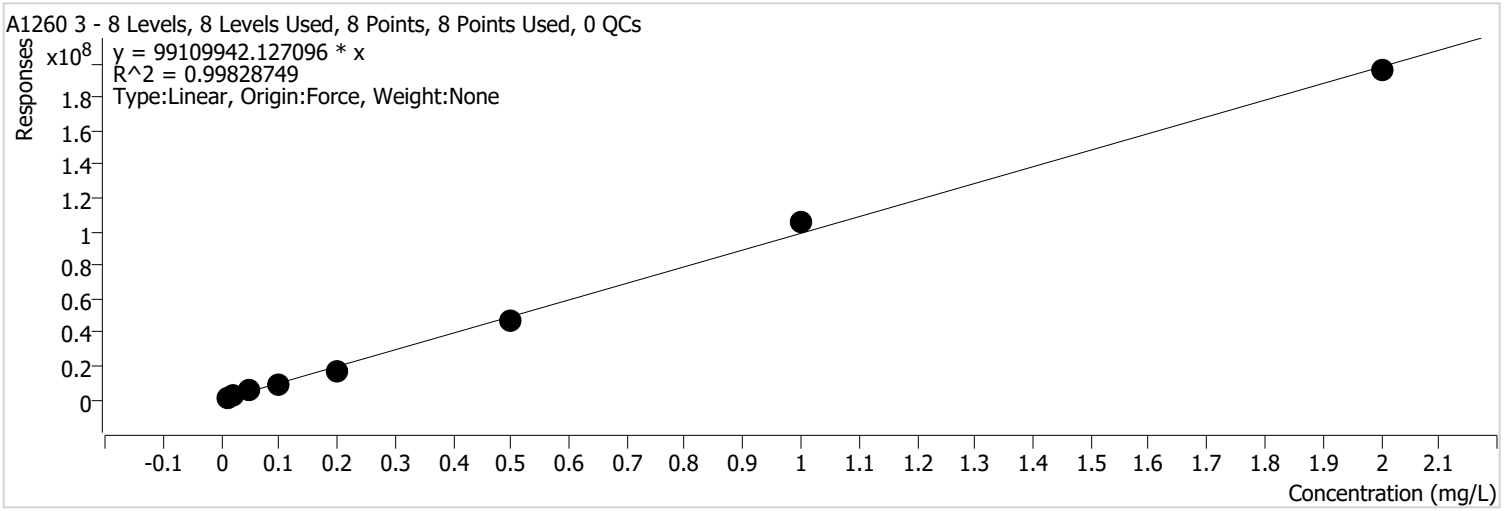
A1016 5 2 %RSE = 8.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	213435	0.0100	21343518.4290	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	418158	0.0200	20907922.1111	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1079679	0.0500	21593582.7422	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2073012	0.1000	20730121.4273	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	3579738	0.2000	17898689.6690	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	9357938	0.5000	18715876.9715	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	21408890	1.0000	21408890.3534	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	39675065	2.0000	19837532.3619	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

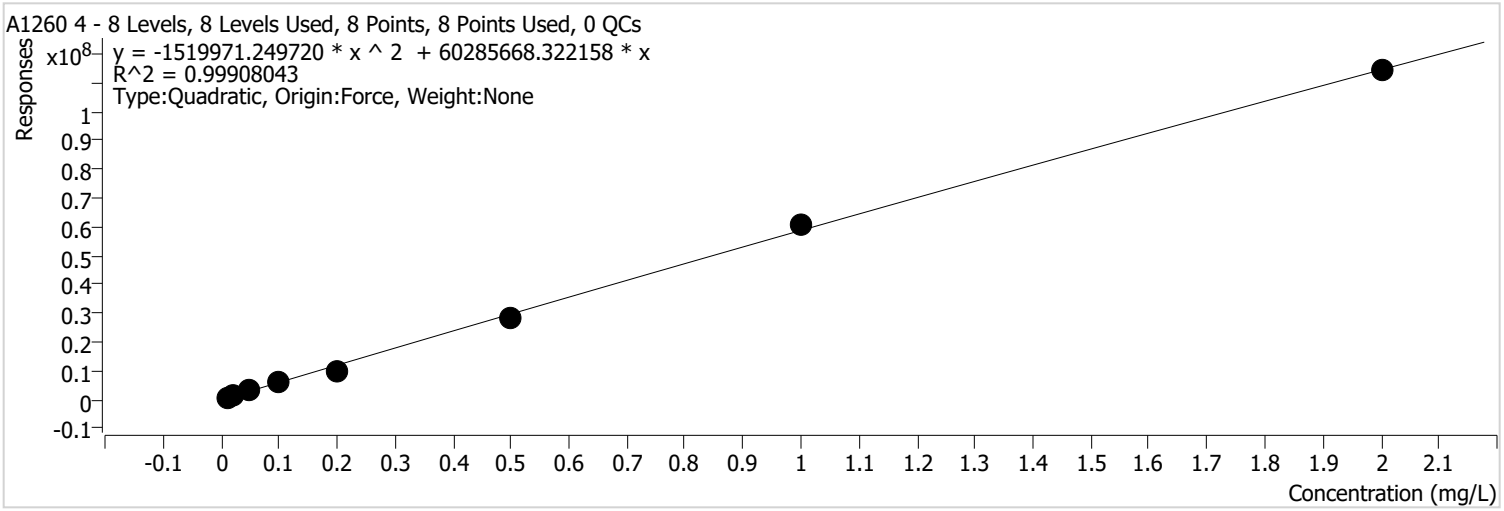
A1260 3 %RSE = 6.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1006370	0.0100	10063696 4.8941	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	2025009	0.0200	10125044 5.0070	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	5089679	0.0500	10179358 5.3517	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	9682808	0.1000	96828080 .5000	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	17319134	0.2000	86595671 .7116	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	47340623	0.5000	94681245 .5228	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	105501165	1.0000	10550116 5.3579	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	195835695	2.0000	97917847 .7125	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

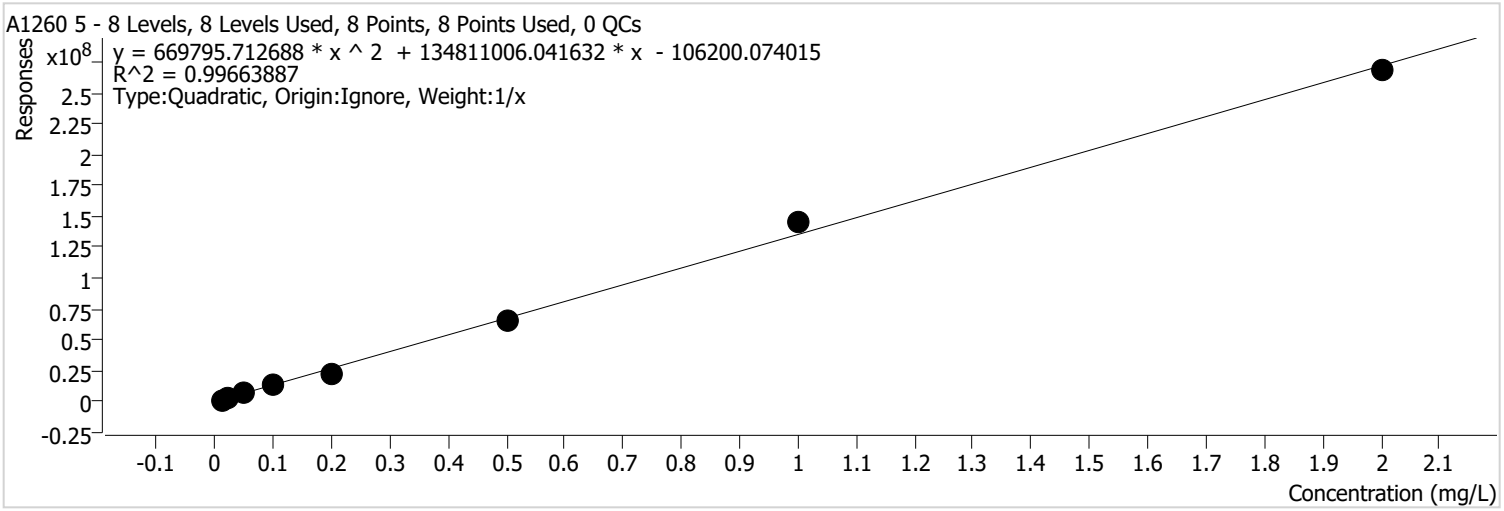
A1260 4 %RSE = 8.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	558458	0.0100	55845836.2392	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1195363	0.0200	59768143.7500	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2982536	0.0500	59650712.0000	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5929847	0.1000	59298469.0000	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	10045708	0.2000	50228539.9302	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	28118115	0.5000	56236229.7100	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	60721328	1.0000	60721327.6667	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	114125074	2.0000	57062537.0097	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

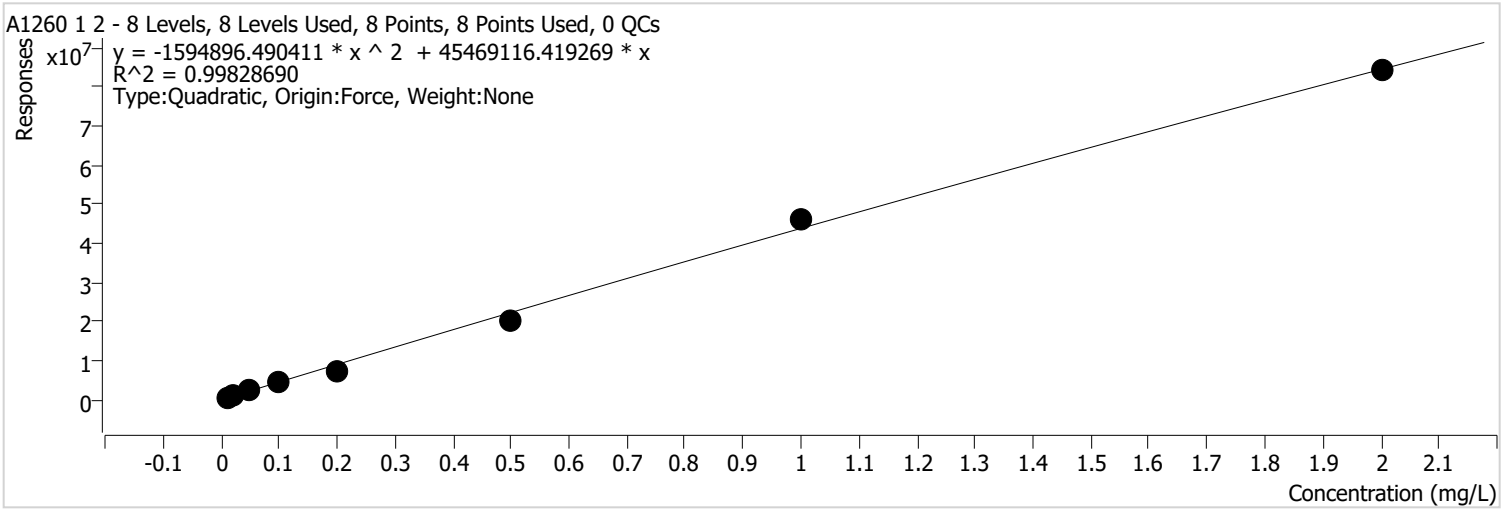
A1260 5 %RSE = 9.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1257434	0.0100	12574340 8.8116	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	2859327	0.0200	14296634 8.5981	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	6668126	0.0500	13336252 4.9736	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	13609710	0.1000	13609709 6.0557	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	22640017	0.2000	11320008 5.6770	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	65007120	0.5000	13001423 9.7761	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	145641580	1.0000	14564158 0.1325	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	268085715	2.0000	13404285 7.7217	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

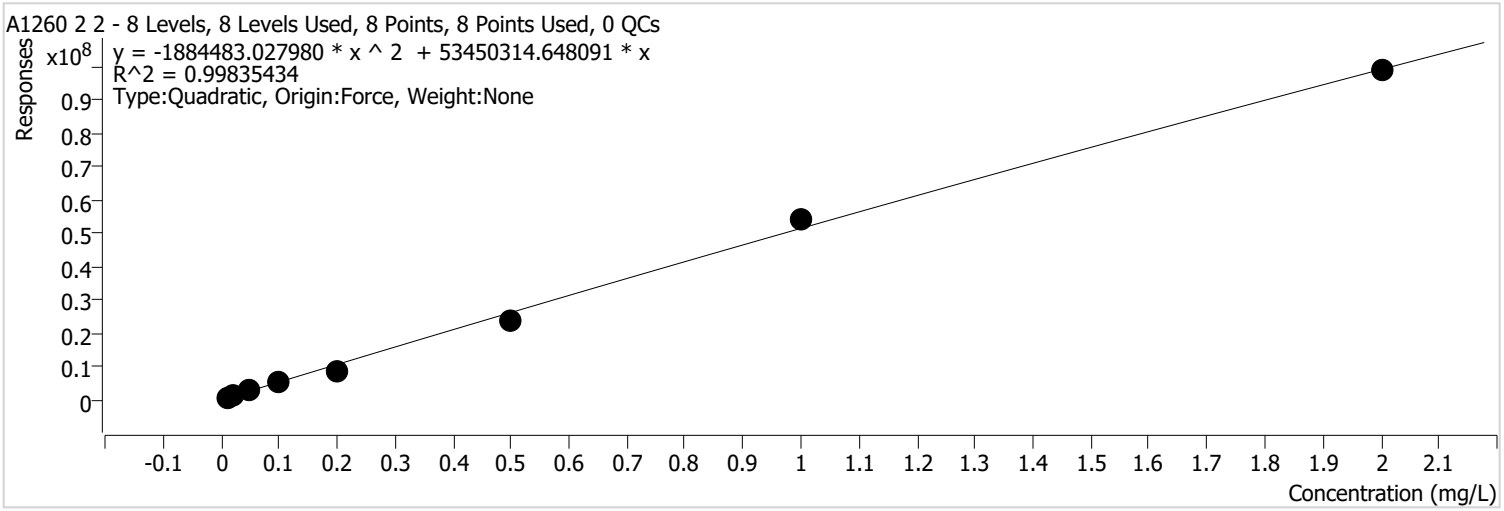
A1260 1 2 %RSE = 9.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	454898	0.0100	45489785.8995	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	962199	0.0200	48109947.6069	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2229708	0.0500	44594160.3693	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	4429510	0.1000	44295098.2366	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	7527890	0.2000	37639448.8096	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	20330660	0.5000	40661319.0826	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	45939899	1.0000	45939899.0049	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	84182845	2.0000	42091422.5107	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

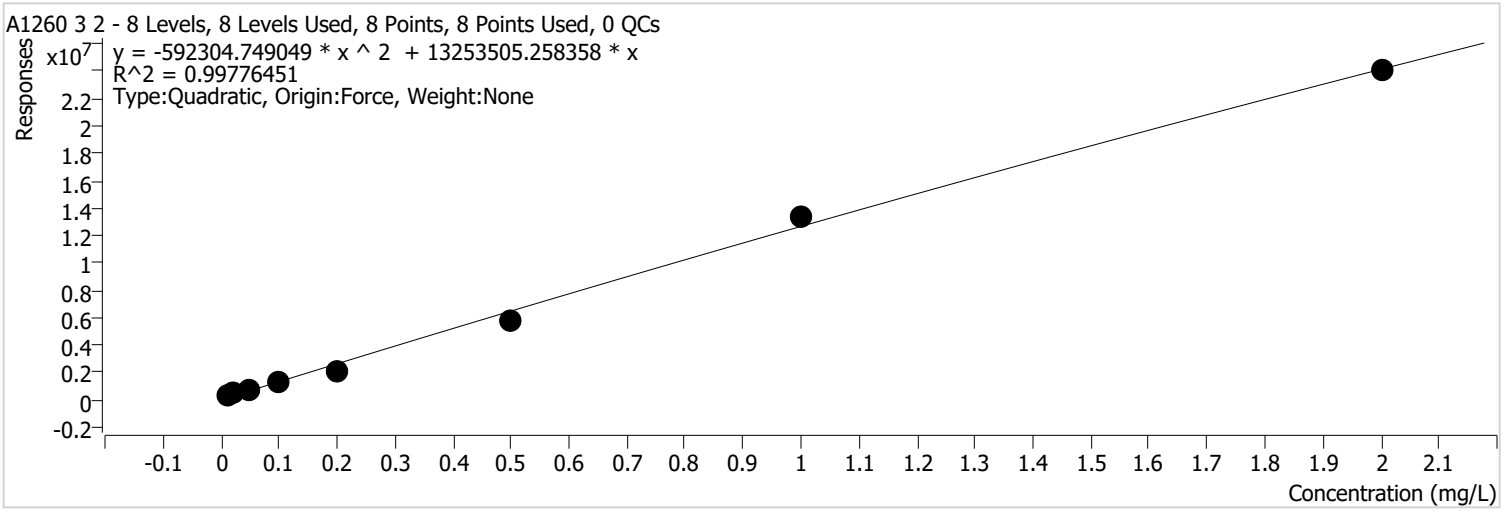
A1260 2 2 %RSE = 10.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	574088	0.0100	57408781.4850	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1191845	0.0200	59592268.6636	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2696925	0.0500	53938500.8158	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5272622	0.1000	52726215.2110	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	8812576	0.2000	44062878.0157	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	23979917	0.5000	47959834.1116	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	53921832	1.0000	53921832.4939	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	98933953	2.0000	49466976.4371	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

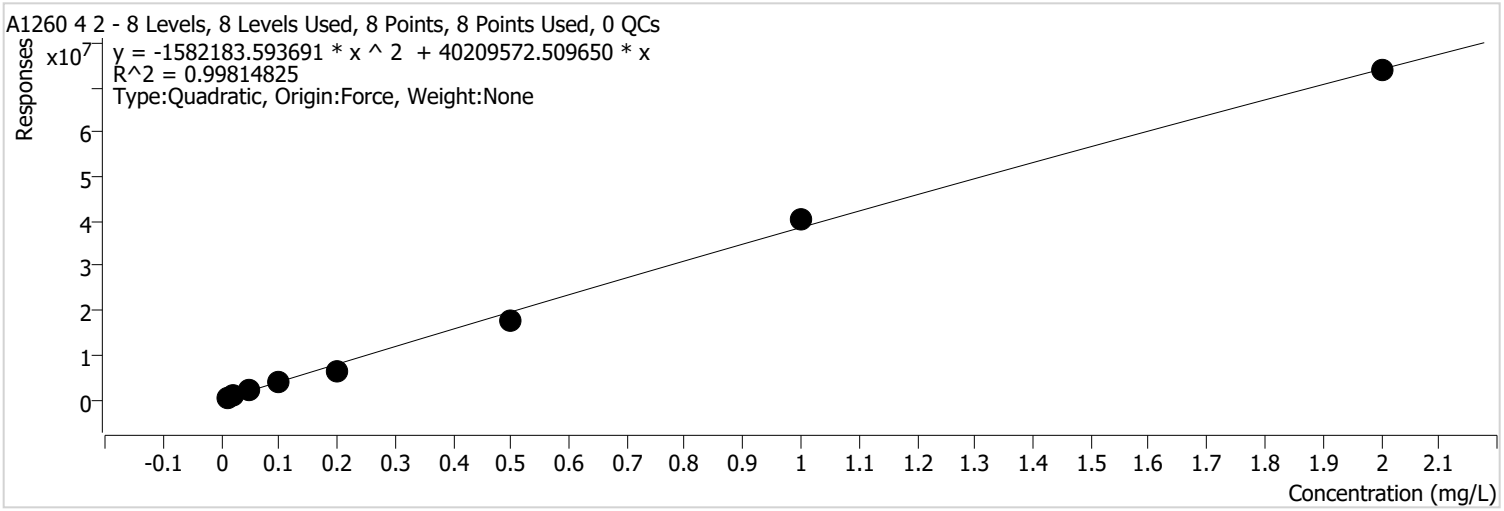
A1260 3 2 %RSE = 63.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	279268	0.0100	27926845.2679	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	488073	0.0200	24403625.6571	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	627223	0.0500	12544455.7110	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1263999	0.1000	12639986.8594	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	2162254	0.2000	10811270.6137	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	5839826	0.5000	11679651.4646	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	13309733	1.0000	13309732.5095	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	24020368	2.0000	12010184.0239	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

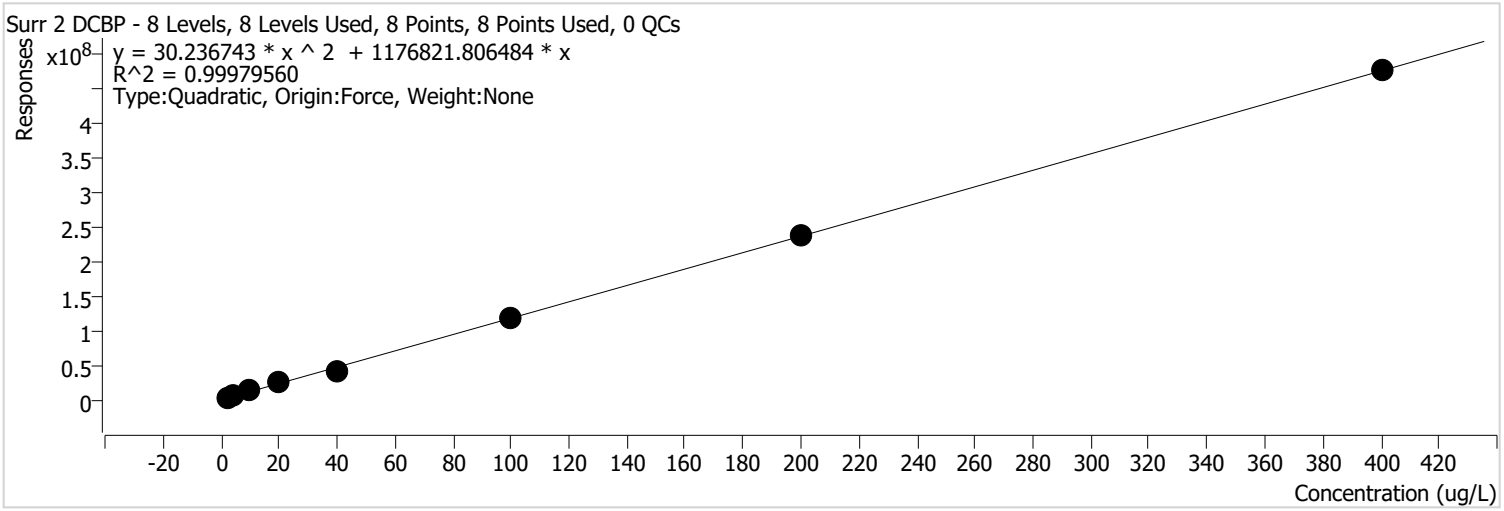
A1260 4 2 %RSE = 10.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	399874	0.0100	39987371.3445	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	817063	0.0200	40853155.1739	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1956455	0.0500	39129099.9081	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	3900081	0.1000	39000814.0881	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	6435840	0.2000	32179198.0000	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	17999271	0.5000	35998541.8783	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	40489618	1.0000	40489617.6979	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	73747447	2.0000	36873723.5210	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

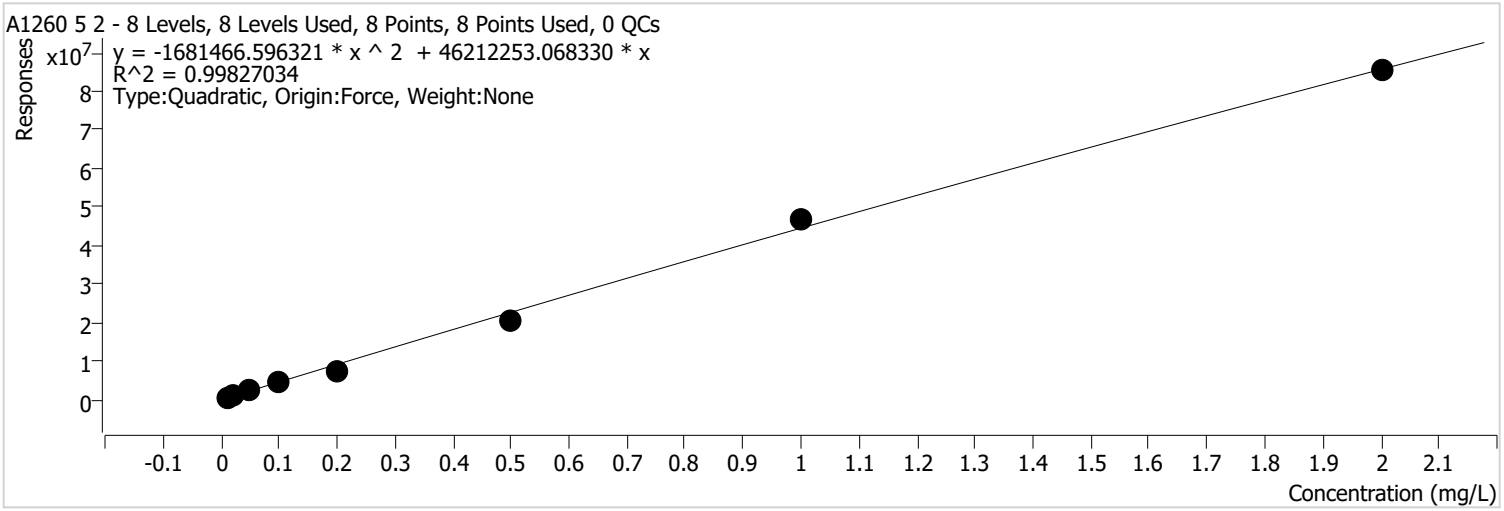
Surr 2 DCBP %RSE = 17.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	2835631	2.0000	1417815.4750	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	5817839	4.0000	1454459.7125	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	13631698	10.0000	1363169.7908	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	26596560	20.0000	1329827.9919	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	42559761	40.0000	1063994.0220	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	119959526	100.0000	1199595.2593	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	235920666	200.0000	1179603.3313	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	475643166	400.0000	1189107.9138	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

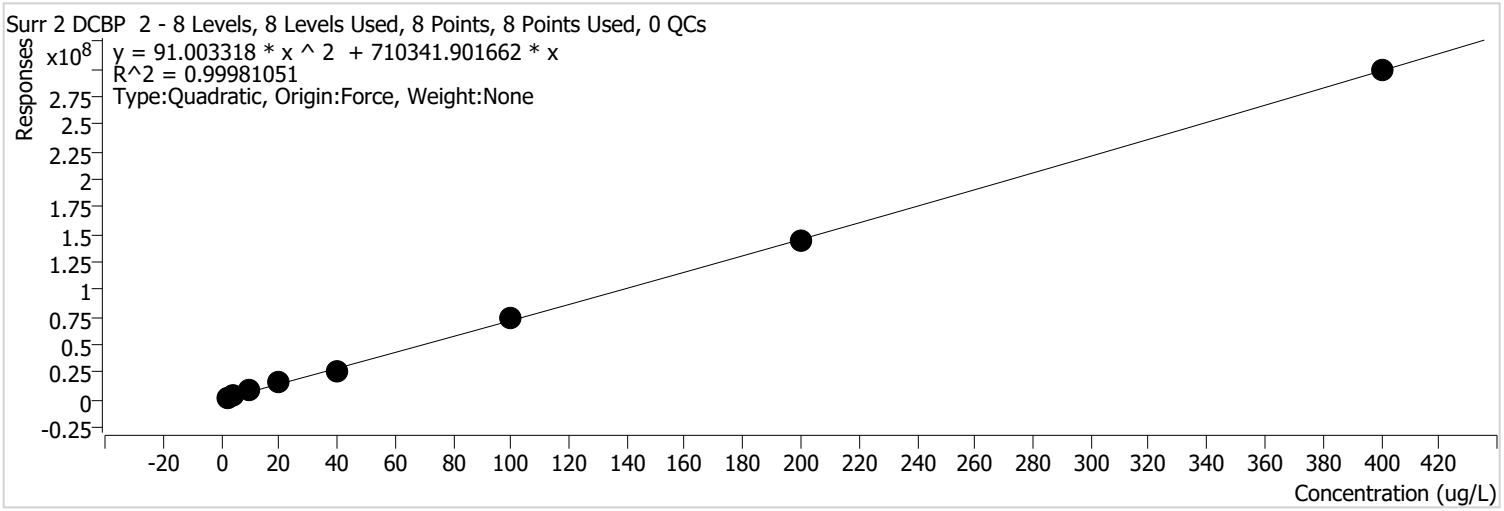
A1260 5 2 %RSE = 9.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	451222	0.0100	45122185.3248	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	939333	0.0200	46966672.7422	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2281184	0.0500	45623673.9193	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	4526047	0.1000	45260473.1199	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	7518618	0.2000	37593090.3608	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	20721889	0.5000	41443778.3307	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	46616994	1.0000	46616994.0487	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	85316606	2.0000	42658302.9412	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 2 DCBP 2 %RSE = 15.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1684288	2.0000	842143.9444	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	3386402	4.0000	846600.5281	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	8128369	10.0000	812836.8712	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	15858823	20.0000	792941.1733	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	25637587	40.0000	640939.6710	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	73246076	100.0000	732460.7624	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	145351163	200.0000	726755.8147	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	298729745	400.0000	746824.3635	

Zq 8/31/9/30/21

PCB Calibration

Date: 09/30/21

Analyst: Sam Beerman

Hexane: 5931

Cal		ICV	
Aroclor 1660:	25029	Aroclor 1660:	24706
Aroclor 1254:	23466	Aroclor 1254:	24708

Surrogate: 25760

Spike Conc. (ppb)	Surr Conc. (ppb)	2° Spike (uL)	1° Spike (uL)	Surr (uL)	Remove (uL)	Final Vol. (mL)	Comments
10	2	5	--	--	5	1	
20	4	10	--	--	10	1	
50	10	25	--	--	25	1	
100	20	50	--	--	50	1	
200	40	100	--	--	100	1	
500	100	250	--	--	250	1	
1000	200	--	1	10	2 11	1	SM 9/30/21
2000	400	--	2	20	4 22	1	SM 9/30/21
ICB	200	--	--	10	10	1	
ICV (1000 ppb)	200	--	1	10	2 11	1	SM 9/30/21

	1660 (uL)	1254 (uL)	Surr (uL)	Final Volume (mL)
2° Intermediate (1660)	2	--	2	1
2° Intermediate (1254)	--	2	2	1

Signature and Date: 9/30/21

Signature: EM

DATA SET for Review -- Deliverable Requirements

Total Metals by EPA Method 6020B

Fremont Analytical Work Order No. 2110067

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\100821eh\
Report Date/Time: Monday, October 11, 2021 07:50:51

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	LDR	10:42:54 Fri 08-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	LDR	10:49:55 Fri 08-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	RINSE	10:55:11 Fri 08-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	LDR	10:57:11 Fri 08-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	2109408-0012I	10:59:45 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109411-002E	11:03:05 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109419-001D	11:05:24 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109425-001B	11:07:43 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109359-001C	11:10:03 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _	gistix\ICPMS\DataSet\Oct2021\10082
	2109363-001C	11:12:23 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _	gistix\ICPMS\DataSet\Oct2021\10082
	2109363-002C	11:14:42 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _	gistix\ICPMS\DataSet\Oct2021\10082
	2109390-008E	11:17:02 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _	gistix\ICPMS\DataSet\Oct2021\10082
	2109397-006H	11:19:21 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _	gistix\ICPMS\DataSet\Oct2021\10082
	2109080-001G	11:21:40 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-D _	gistix\ICPMS\DataSet\Oct2021\10082
	CCV	11:24:00 Fri 08-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	CCB	11:26:20 Fri 08-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	CCV	11:29:48 Fri 08-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	CCB	11:32:08 Fri 08-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	CAL BLK IS 23514	11:40:49 Fri 08-Oc	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	WASH	11:43:08 Fri 08-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	CAL BLK IS 23514	11:47:32 Fri 08-Oc	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	Standard 7	11:49:52 Fri 08-Oc	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	Standard 8	11:52:11 Fri 08-Oc	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	WASH	11:54:31 Fri 08-Oc	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	ICB	11:56:51 Fri 08-Oc	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	ICV	11:59:11 Fri 08-Oc	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	ICV	12:02:06 Fri 08-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	2109408-0012I	12:08:31 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109411-002E	12:10:52 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109419-001D	12:13:12 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109425-001B	12:15:32 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109384-001A	12:17:52 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109384-002A	12:20:11 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109384-003A	12:22:30 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109384-004A	12:24:50 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109384-005A	12:27:09 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109384-006A	12:29:28 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	CCV	12:31:48 Fri 08-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	CCB	12:34:08 Fri 08-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
	2109384-007A	12:36:28 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109384-008A	12:38:47 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109384-009A	12:41:07 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109384-010A	12:43:26 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109384-011A	12:45:46 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109384-012A	12:48:05 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109384-013A	12:50:24 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109384-014A	12:52:44 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109384-015A	12:55:03 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	2109384-016A	12:57:22 Fri 08-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _	gistix\ICPMS\DataSet\Oct2021\10082
	CCV	12:59:43 Fri 08-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	

CCB	13:02:04 Fri 08-OcQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
rinse	13:05:02 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
rinse	13:07:22 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CAL BLK IS 23514	13:09:42 Fri 08-OcBlank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2109384-017A	13:15:24 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10082
wash	13:17:44 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
MB-33891	13:20:03 Fri 08-OcSample	C:\Users\Public\DocumMBLK,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10082
LCS-33891	13:22:23 Fri 08-OcSample	C:\Users\Public\DocumLCS,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10082
2109461-001A	13:24:42 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10082
2109461-001ADUP	13:27:01 Fri 08-OcSample	C:\Users\Public\DocumDUP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10082
2109463-001A	13:29:21 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10082
2109471-001A	13:31:41 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10082
2109471-003A	13:34:00 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10082
2109471-005A	13:36:19 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10082
2109473-001A	13:38:39 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10082
CCV	13:40:59 Fri 08-OcQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	13:43:19 Fri 08-OcQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CONE COND	15:02:35 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CONE COND	15:05:40 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CONE COND	15:07:45 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CONE COND	15:09:50 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
RINSE	15:11:55 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
WASH	15:14:00 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
WASH	15:16:05 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CAL BLK IS 23514	15:18:40 Fri 08-OcBlank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
Standard 1	15:20:46 Fri 08-OcStandard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
Standard 2	15:22:50 Fri 08-OcStandard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
Standard 3	15:24:55 Fri 08-OcStandard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
Standard 4	15:27:00 Fri 08-OcStandard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
Standard 5	15:29:05 Fri 08-OcStandard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
WASH	15:31:11 Fri 08-OcQC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
ICB	15:33:15 Fri 08-OcQC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
ICV	15:35:20 Fri 08-OcQC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
WASH	15:37:25 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
ICSA	16:00:53 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
STD 7	16:02:58 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
WASH	16:05:04 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
WASH	16:07:09 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
MB-33895	16:12:13 Fri 08-OcSample	C:\Users\Public\DocumMBLK,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
LCS-33895	16:14:17 Fri 08-OcSample	C:\Users\Public\DocumLCS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2109508-004A	16:16:22 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2109508-004ADIL	16:18:27 Fri 08-OcSample	C:\Users\Public\DocumSD,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2109508-004AMS	16:20:32 Fri 08-OcSample	C:\Users\Public\DocumMS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
CCV	16:23:02 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	16:25:08 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2109508-004AMSD	16:27:13 Fri 08-OcSample	C:\Users\Public\DocumMSD,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2109508-004APDS	16:29:18 Fri 08-OcSample	C:\Users\Public\DocumPDS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2109508-001A	16:31:23 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2109508-002A	16:33:28 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2109508-003A	16:35:32 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
CCV	16:37:38 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	16:39:44 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2109508-005A	16:41:49 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2109508-006A	16:43:54 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2109508-007A	16:45:59 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2109508-008A	16:48:04 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2109508-009A	16:50:09 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
CCV	16:52:15 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	16:54:20 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2109508-010A	16:56:26 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082

2109508-011A	16:58:31 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-012A	17:00:36 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-013A	17:02:41 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-014A	17:04:45 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
CCV	17:06:51 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
CCB	17:08:56 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
2109508-015A	17:11:02 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-016A	17:13:07 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-017A	17:15:12 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-018A	17:17:17 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-019A	17:19:22 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
CCV	17:21:28 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
CCB	17:23:33 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
2109508-020A	17:25:39 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
WASH	17:27:44 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
MB-33897	17:29:50 Fri 08-OcSample	C:\Users\Public\DocumMBLK,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
LCS-33897	17:31:55 Fri 08-OcSample	C:\Users\Public\DocumLCS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-022A	17:34:00 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
CCV	17:36:05 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
CCB	17:38:11 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
2109508-022ADIL	17:40:16 Fri 08-OcSample	C:\Users\Public\DocumSD,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-022AMS	17:42:21 Fri 08-OcSample	C:\Users\Public\DocumMS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-022AMSD	17:44:26 Fri 08-OcSample	C:\Users\Public\DocumMSD,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-022APDS	17:46:31 Fri 08-OcSample	C:\Users\Public\DocumPDS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-021A	17:48:35 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
CCV	17:50:41 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
CCB	17:52:46 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
2109508-023A	17:54:52 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-024A	17:56:57 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109508-025A	17:59:01 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109376-045A	18:01:06 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109376-047A	18:03:11 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
CCV	18:05:17 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
CCB	18:07:22 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
2109397-004A	18:09:28 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109408-010A	18:11:33 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109408-013A	18:13:38 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109409-001A	18:15:43 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109409-002A	18:17:48 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
CCV	18:19:54 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
CCB	18:21:59 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
2109416-001A	18:24:04 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109416-002A	18:26:09 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109426-020A	18:28:14 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109464-001A	18:30:19 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109464-002A	18:32:25 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
CCV	18:34:31 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
CCB	18:36:37 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
2109464-003A	18:38:42 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2109464-005A	18:40:48 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
WASH	18:42:53 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
MB-33962	18:44:59 Fri 08-OcSample	C:\Users\Public\DocumMBLK,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
LCS-33962	18:47:04 Fri 08-OcSample	C:\Users\Public\DocumLCS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
CCV	18:49:09 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
CCB	18:51:15 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082	
2110054-005A	18:53:20 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2110054-005ADIL	18:55:25 Fri 08-OcSample	C:\Users\Public\DocumSD,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2110054-005AMS	18:57:30 Fri 08-OcSample	C:\Users\Public\DocumMS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2110054-005AMSD	18:59:35 Fri 08-OcSample	C:\Users\Public\DocumMSD,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082
2110054-005APDS	19:01:40 Fri 08-OcSample	C:\Users\Public\DocumPDS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10082

CCV	19:03:45 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	19:05:50 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2110054-001A	19:07:56 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110054-002A	19:10:01 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110054-003A	19:12:06 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110054-004A	19:14:10 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110054-006A	19:16:15 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
CCV	19:18:21 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	19:20:26 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2110054-007A	19:22:32 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110054-008A	19:24:37 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110054-009A	19:26:42 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110054-010A	19:28:46 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-001A	19:30:51 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
CCV	19:32:57 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	19:35:02 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2110067-002A	19:37:08 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-003A	19:39:13 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-004A	19:41:18 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-005A	19:43:23 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-006A	19:45:28 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
CCV	19:47:34 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	19:49:39 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2110067-007A	19:51:45 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-008A	19:53:49 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-009A	19:55:54 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-010A	19:57:59 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
CCV	20:00:05 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	20:02:10 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
MB-33963	20:04:16 Fri 08-OcSample	C:\Users\Public\DocumMBLK,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
LCS-33963	20:06:21 Fri 08-OcSample	C:\Users\Public\DocumLCS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-013A	20:08:26 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-013ADIL	20:10:30 Fri 08-OcSample	C:\Users\Public\DocumSD,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-013AMS	20:12:36 Fri 08-OcSample	C:\Users\Public\DocumMS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
CCV	20:14:41 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	20:16:46 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2110067-013AMSD	20:18:51 Fri 08-OcSample	C:\Users\Public\DocumMSD,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-013APDS	20:20:56 Fri 08-OcSample	C:\Users\Public\DocumPDS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-011A	20:23:01 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-012A	20:25:06 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-014A	20:27:11 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
CCV	20:29:16 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	20:31:21 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2110067-015A	20:33:27 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-016A	20:35:32 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-017A	20:37:36 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-018A	20:39:41 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-019A	20:41:46 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
CCV	20:43:52 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	20:45:57 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2110067-020A	20:48:03 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
2110067-021A	20:50:08 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10082
WASH	20:52:13 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
MB-33944	20:54:19 Fri 08-OcSample	C:\Users\Public\DocumMBLK,M-TCLP gistix\ICPMS\DataSet\Oct2021\10082
LCS-33944	20:56:24 Fri 08-OcSample	C:\Users\Public\DocumLCS,M-TCLP gistix\ICPMS\DataSet\Oct2021\10082
CCV	20:58:29 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	21:00:34 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2109496-001A	21:02:40 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-TCLP gistix\ICPMS\DataSet\Oct2021\10082
2109496-001ADUP	21:04:45 Fri 08-OcSample	C:\Users\Public\DocumDUP,M-TCLP gistix\ICPMS\DataSet\Oct2021\10082
2109496-001AMS	21:06:50 Fri 08-OcSample	C:\Users\Public\DocumMS,M-TCLP gistix\ICPMS\DataSet\Oct2021\10082

2109496-001AMSD	21:08:54 Fri 08-OcSample	C:\Users\Public\DocumMSD,M-TCLP _ gistix\ICPMS\DataSet\Oct2021\10082
2110020-006A	21:10:59 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\Oct2021\10082
CCV	21:13:05 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	21:15:10 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2110020-007A	21:17:15 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\Oct2021\10082
2110020-008A	21:19:20 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\Oct2021\10082
2110020-009A	21:21:25 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\Oct2021\10082
2110020-010A	21:23:29 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\Oct2021\10082
2110020-011A	21:25:34 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\Oct2021\10082
CCV	21:27:40 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	21:29:45 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2110020-012A	21:31:50 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\Oct2021\10082
2110020-013A	21:33:55 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\Oct2021\10082
2110020-014A	21:36:00 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\Oct2021\10082
LDR	21:38:05 Fri 08-OcSample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\Oct2021\10082
CCV	21:40:10 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
CCB	21:42:15 Fri 08-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
2%	21:44:20 Fri 08-OcQC Std #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082
DI	21:46:26 Fri 08-OcQC Std #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10082

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\101121eh\
Report Date/Time: Tuesday, October 12, 2021 07:59:11

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	WASH	08:53:54 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	WASH	08:59:28 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	NEW 2%	09:05:02 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	DI	09:10:36 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	DI	09:16:11 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	DI	09:21:45 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	CAL BLK IS 23514	09:30:39 Mon 11-C	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 1	09:36:13 Mon 11-C	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 2	09:41:47 Mon 11-C	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 3	09:47:21 Mon 11-C	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 4	09:52:55 Mon 11-C	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 5	09:58:29 Mon 11-C	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 6	10:04:03 Mon 11-C	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 7	10:09:37 Mon 11-C	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	Standard 8	10:15:11 Mon 11-C	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	WASH	10:20:46 Mon 11-C	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	ICB	10:26:20 Mon 11-C	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	ICV	10:31:54 Mon 11-C	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	WASH	10:37:27 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	ICSA	10:49:55 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	LDR	10:55:30 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	WASH	11:01:05 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	WASH	11:06:39 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	2109322-004A 50X	11:17:59 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10112
	2110056-001A	11:23:33 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10112
	2110056-002A	11:29:08 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-005A	11:34:43 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-006A	11:40:17 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-007A	11:45:52 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-008A	11:51:26 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-009A	11:57:01 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-010A	12:02:36 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2109508-011A	12:08:10 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	CCV	12:13:45 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	CCB	12:19:19 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	2110067-003A 100X	12:26:44 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	2110054-002A 100X	12:32:18 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10112
	LCS-33816	12:37:59 Mon 11-C	Sample	C:\Users\Public\DocumLCS,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109343-001A	12:43:32 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109343-002A	12:49:06 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109343-003A	12:54:40 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109343-004A	13:00:14 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109343-005A	13:05:48 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,C-HARDNESS	gistix\ICPMS\DataSet\Oct2021\10112
	2109411-002F	13:11:23 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10112
	2109390-008E	13:16:58 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10112
	2109397-006H	13:22:32 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10112
	2109408-012J	13:28:06 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10112
	CCV	13:33:41 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	CCB	13:39:15 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112	
	MB-33961	13:53:13 Mon 11-C	Sample	C:\Users\Public\DocumMBLK,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10112

LCS-33961	13:58:47 Mon 11-C	Sample	C:\Users\Public\DocumLCS,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-002D	14:04:21 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-002DDUP	14:09:56 Mon 11-C	Sample	C:\Users\Public\DocumDUP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-002DMS	14:15:30 Mon 11-C	Sample	C:\Users\Public\DocumMS,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-002DMSD	14:21:05 Mon 11-C	Sample	C:\Users\Public\DocumMSD,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110057-001A	14:26:39 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109389-005A	14:32:14 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109389-001A	14:37:48 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109389-011A 50X	14:43:22 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
CCV	14:48:57 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	14:54:31 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
MB-33910	15:00:55 Mon 11-C	Sample	C:\Users\Public\DocumMBLK,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
LCS-33910	15:06:29 Mon 11-C	Sample	C:\Users\Public\DocumLCS,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109532-001A	15:12:03 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109532-001ADUP	15:17:37 Mon 11-C	Sample	C:\Users\Public\DocumDUP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109532-001AMS	15:23:12 Mon 11-C	Sample	C:\Users\Public\DocumMS,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109532-001AMSD	15:28:46 Mon 11-C	Sample	C:\Users\Public\DocumMSD,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109289-001A	15:34:20 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109408-012I	15:39:55 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109411-002E	15:45:29 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109425-001B 5X	15:51:03 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
CCV	15:56:38 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	16:02:13 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CAL BLK IS 23514	16:10:03 Mon 11-C	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
ICB	16:15:38 Mon 11-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
LCS-33961	16:47:54 Mon 11-C	Sample	C:\Users\Public\DocumLCS,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109419-001D 10X	16:53:29 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-003D	16:59:04 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109480-001C	17:04:38 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110035-004D	17:10:13 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110021-001A	17:15:47 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110021-002A	17:21:21 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110021-003A	17:26:55 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110021-004A	17:32:29 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110021-005A	17:38:03 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
CCV	17:43:38 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	17:49:12 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2110021-006A	17:54:47 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110029-001A	18:00:21 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110040-001A	18:05:55 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110040-006A	18:11:28 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110044-001B	18:17:03 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110048-001A	18:22:37 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110059-001A	18:28:11 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110059-002A	18:33:45 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110064-001A	18:39:19 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2110064-002A	18:44:53 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
CCV	18:50:28 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	18:56:02 Mon 11-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2109455-001B	19:01:36 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109489-001A	19:07:11 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109494-001A	19:12:45 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109497-001A	19:18:19 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109497-002A	19:23:53 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109497-003A	19:29:27 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109497-004A	19:35:01 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109499-005A	19:40:35 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109503-001A	19:46:09 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109504-001A	19:51:42 Mon 11-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
CCV	19:57:18 Mon 11-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112

CCB	20:02:52 Mon 11-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2109510-001C	20:08:27 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109510-002C	20:14:01 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109518-002A	20:19:35 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109518-003A	20:25:09 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109521-001A	20:30:43 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109527-001B	20:36:17 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109528-001A	20:41:51 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109528-002A	20:47:25 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10112
2109376-045A	20:53:00 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-047A	20:58:35 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
CCV	21:04:10 Mon 11-CQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	21:09:44 Mon 11-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2109409-001A	21:15:19 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109409-002A	21:20:53 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109416-001A	21:26:28 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109416-002A	21:32:03 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
LCS-33897	21:37:37 Mon 11-CSample	C:\Users\Public\DocumLCS,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
WASH	21:43:12 Mon 11-CSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
MB-33874	21:48:47 Mon 11-CSample	C:\Users\Public\DocumMBLK,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
LCS-33874	21:54:21 Mon 11-CSample	C:\Users\Public\DocumLCS,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-041A	21:59:55 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-041ADIL	22:05:29 Mon 11-CSample	C:\Users\Public\DocumSD,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
CCV	22:11:04 Mon 11-CQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	22:16:39 Mon 11-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2109376-005A	22:22:14 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-007A	22:27:48 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-011A	22:33:22 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-013A	22:38:56 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-017A	22:44:30 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-019A	22:50:04 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-021A	22:55:38 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
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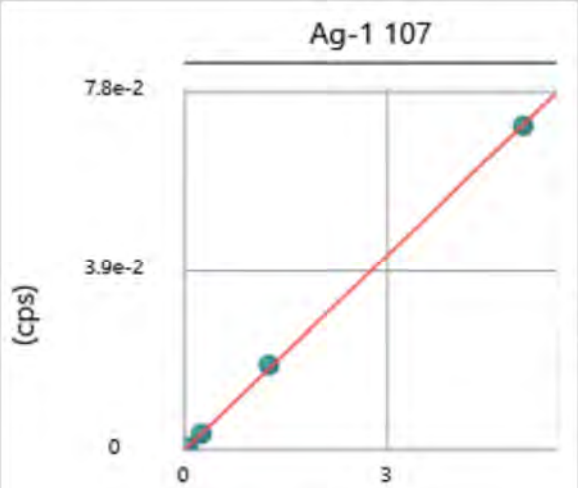
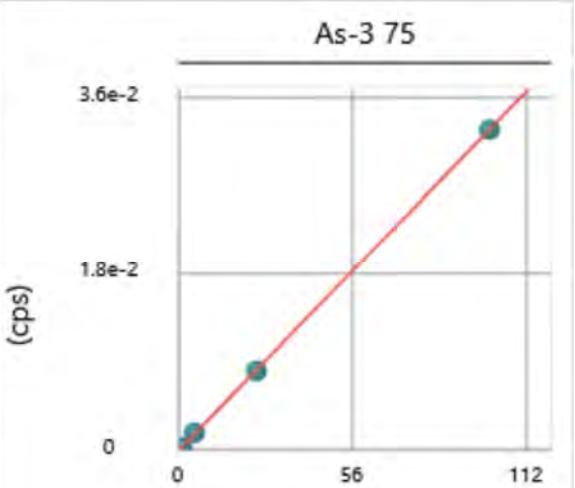
CCV	23:17:56 Mon 11-CQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	23:23:31 Mon 11-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2109376-029A	23:29:06 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-031A	23:34:40 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-033A	23:40:14 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-035A	23:45:48 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-037A	23:51:22 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-039A	23:56:56 Mon 11-CSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2109376-043A	00:02:30 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
LCS-33963	00:08:04 Tue 12-OSample	C:\Users\Public\DocumLCS,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-013A	00:13:38 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-013ADIL	00:19:12 Tue 12-OSample	C:\Users\Public\DocumSD,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
CCV	00:24:47 Tue 12-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	00:30:22 Tue 12-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2110067-011A	00:35:56 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-012A	00:41:30 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-014A	00:47:05 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-015A	00:52:39 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-016A	00:58:13 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-017A	01:03:47 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-018A	01:09:21 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-019A	01:14:55 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-020A	01:20:29 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
2110067-021A	01:26:03 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10112
CCV	01:31:38 Tue 12-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112

CCB	01:37:12 Tue 12-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2110020-006A	01:42:47 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-007A	01:48:21 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-008A	01:53:55 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-009A	01:59:30 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-010A	02:05:03 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-011A	02:10:38 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-012A	02:16:11 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-013A	02:21:46 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
2110020-014A	02:27:20 Tue 12-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10112
CCV	02:32:54 Tue 12-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
CCB	02:38:29 Tue 12-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
2%	02:44:03 Tue 12-OQC Std #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112
DI	02:49:38 Tue 12-OQC Std #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10112

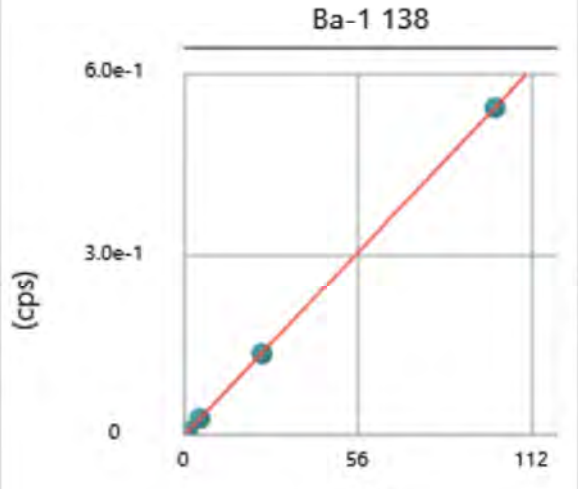
Calibration



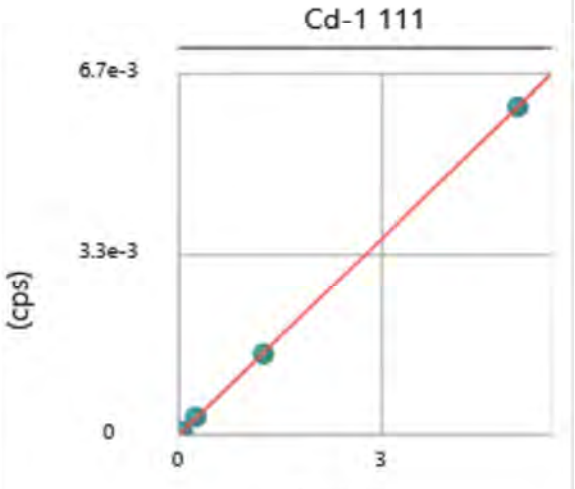
Eqn. : y = 0.014x + 0.000
Cor.Coeff. : 0.999926
BEC : 0.000063 ug/L
DL : 0.009622 ug/L



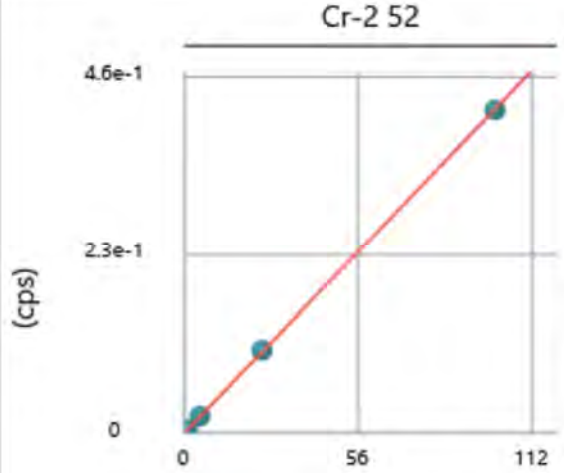
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999987
BEC : -0.000202 ug/L
DL : 0.074323 ug/L



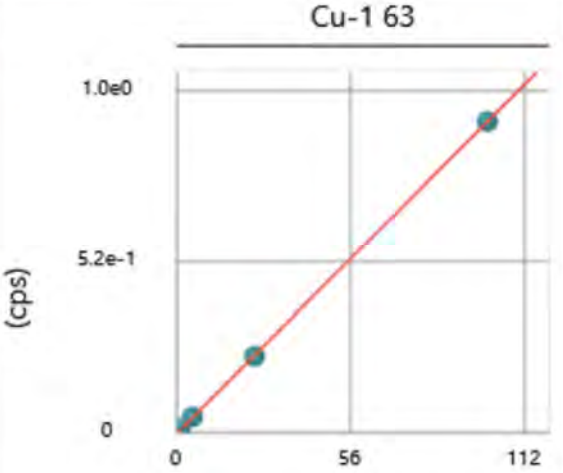
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999997
BEC : -0.000046 mg/L
DL : 0.027976 mg/L



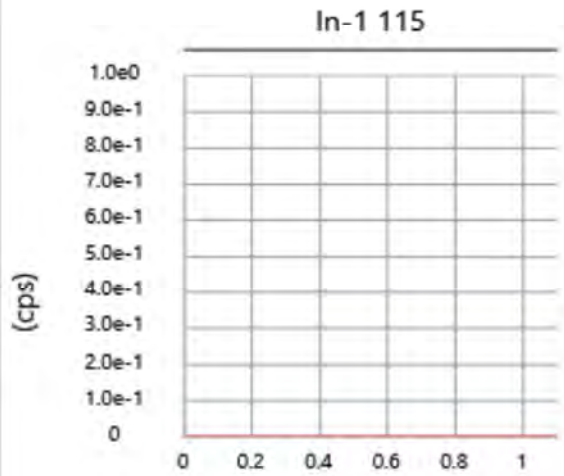
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999962
BEC : -0.000118 mg/L
DL : 0.033388 mg/L



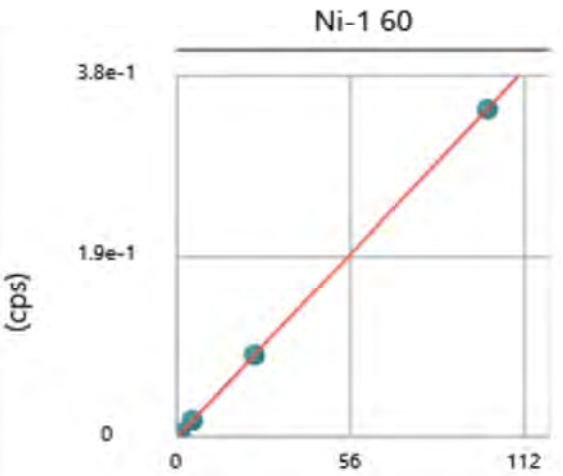
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999977
BEC : 0.000086 ug/L
DL : 0.014352 ug/L



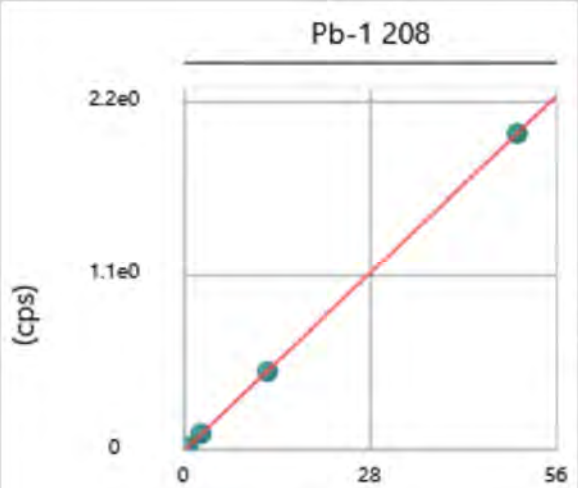
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999993
BEC : 0.000059 ug/L
DL : 0.016553 ug/L



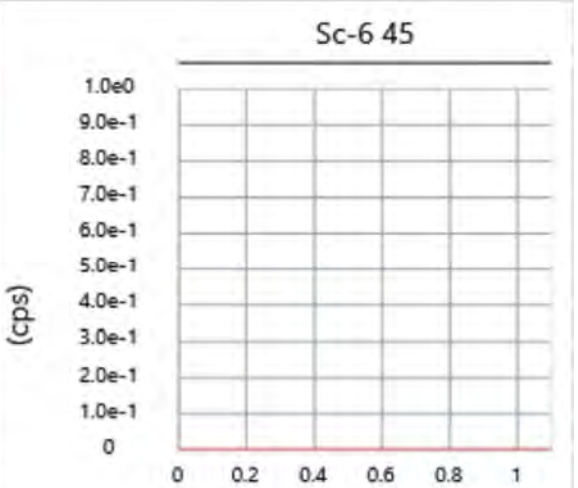
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



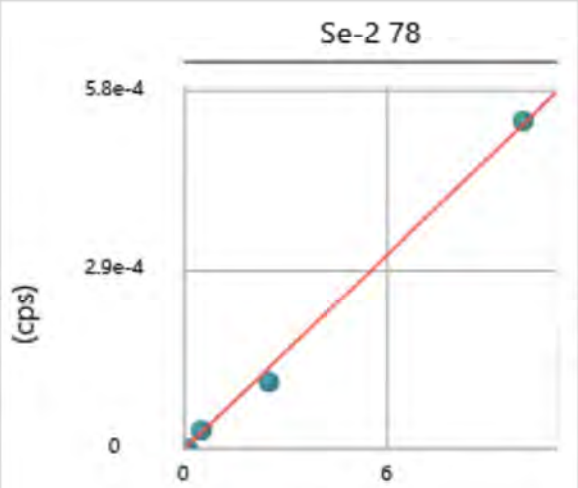
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999999
BEC : -0.000095 ug/L
DL : 0.014120 ug/L



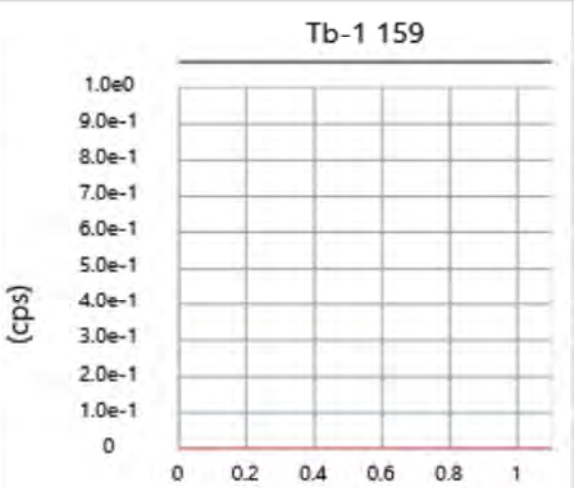
Eqn. : y = 0.040x + 0.000
Cor.Coeff. : 0.999997
BEC : -0.000014 ug/L
DL : 0.002303 ug/L



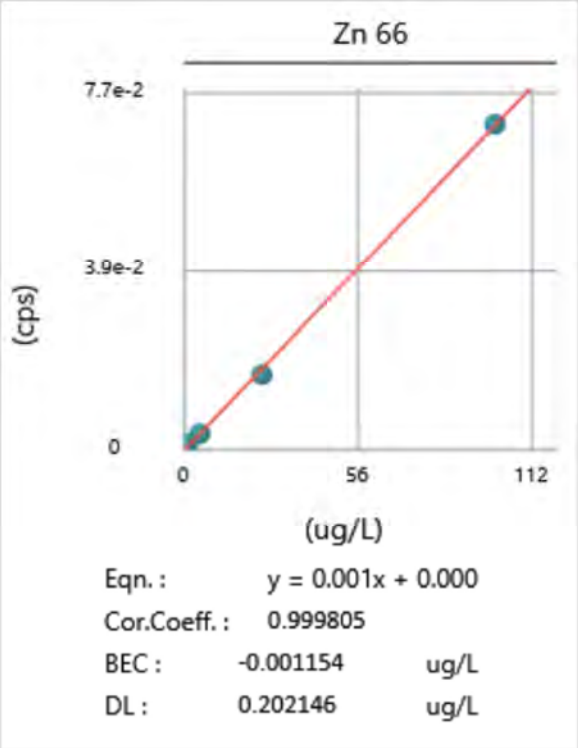
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN mg/L
DL : NaN mg/L

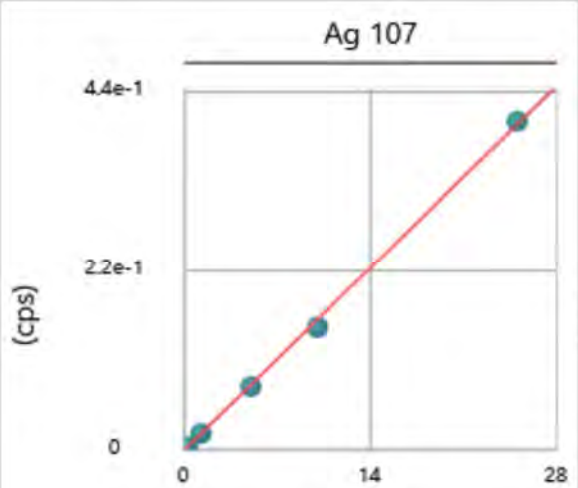


Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.998995
BEC : 0.000595 ug/L
DL : 0.078632 ug/L

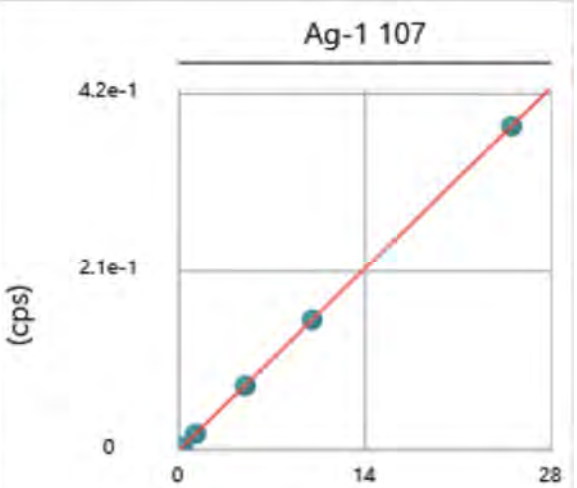


Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L

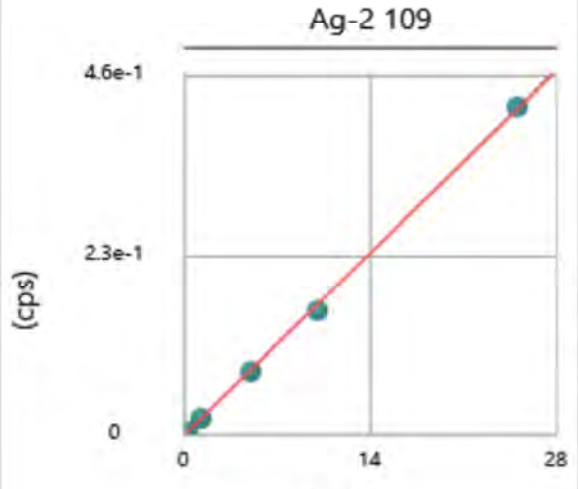

Zn 66
7.7e-2
3.9e-2
0
(cps)
0
56
112
(ug/L)
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999805
BEC : -0.001154 ug/L
DL : 0.202146 ug/L



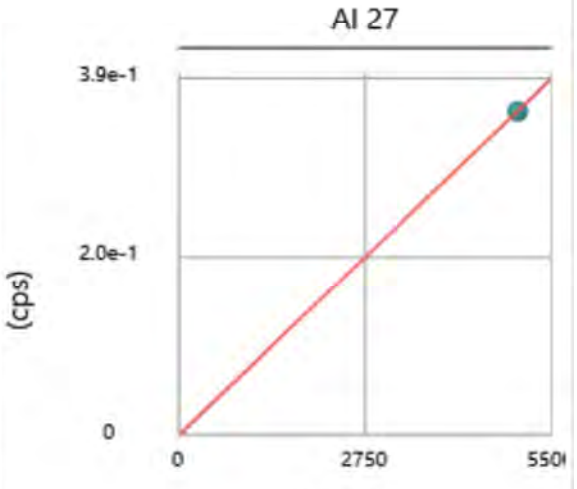
Eqn. : y = 0.016x + 0.000
Cor.Coeff. : 0.999723
BEC : 0.016645 ug/L
DL : 0.002283 ug/L



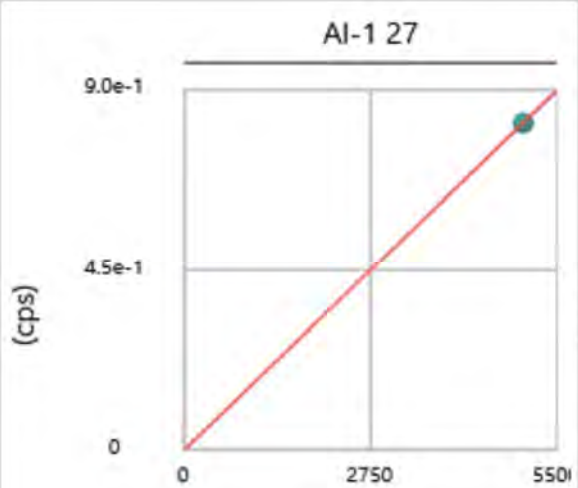
Eqn. : y = 0.015x + 0.000
Cor.Coeff. : 0.999999
BEC : 0.015916 ug/L
DL : 0.002200 ug/L



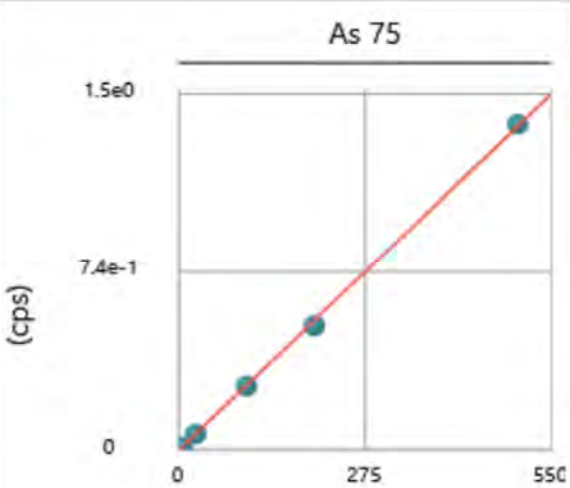
Eqn. : y = 0.017x + 0.000
Cor.Coeff. : 0.999813
BEC : 0.016537 ug/L
DL : 0.006012 ug/L



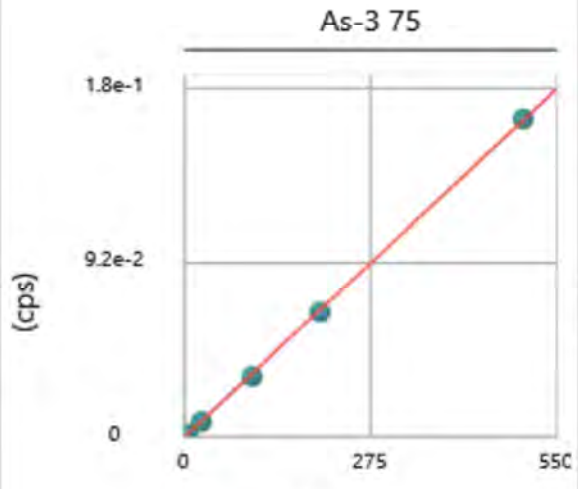
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.148452 ug/L
DL : 0.289179 ug/L



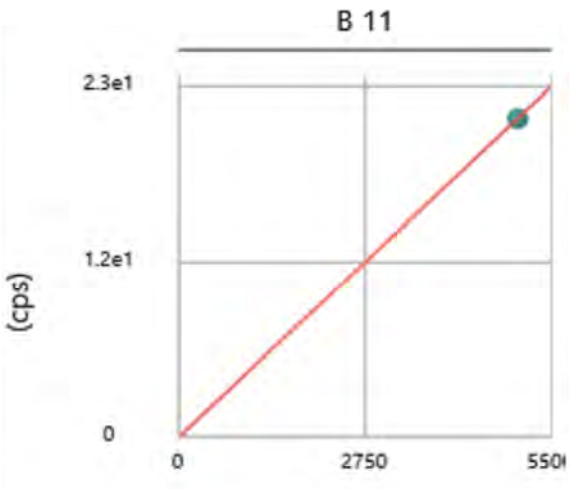
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.138445 mg/L
DL : 0.181176 mg/L



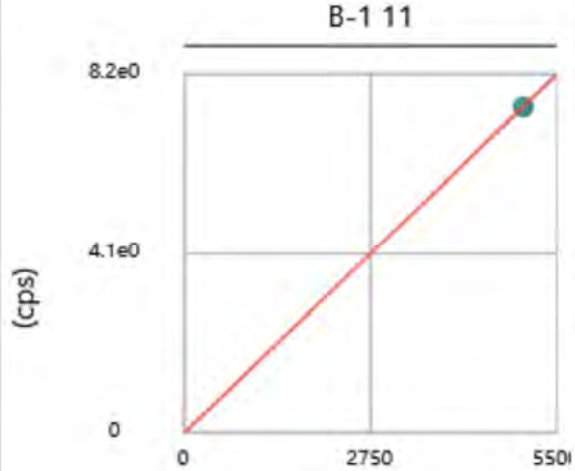
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999868
BEC : -0.504091 ug/L
DL : 1.705727 ug/L



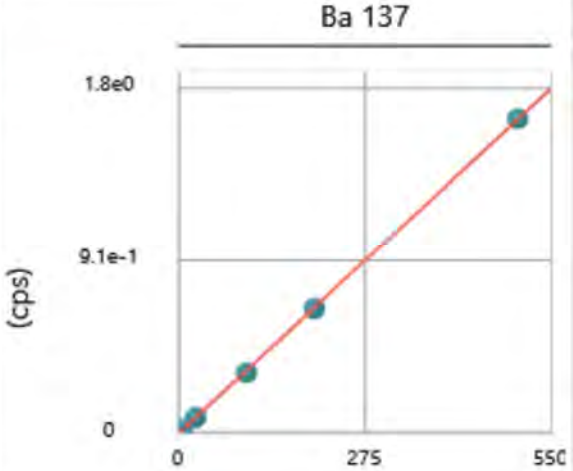
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999943
BEC : 0.118419 ug/L
DL : 0.043730 ug/L



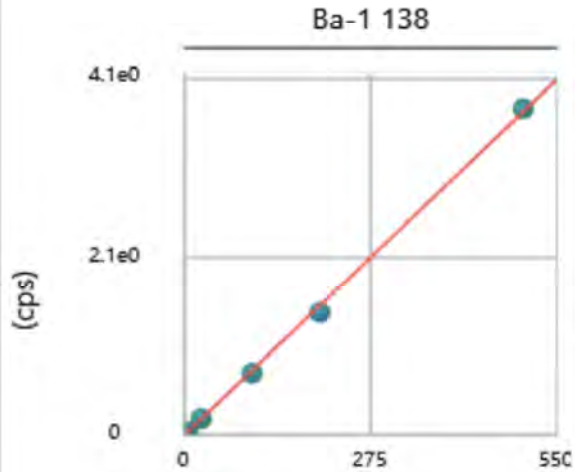
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.126794 ug/L
DL : 0.023389 ug/L



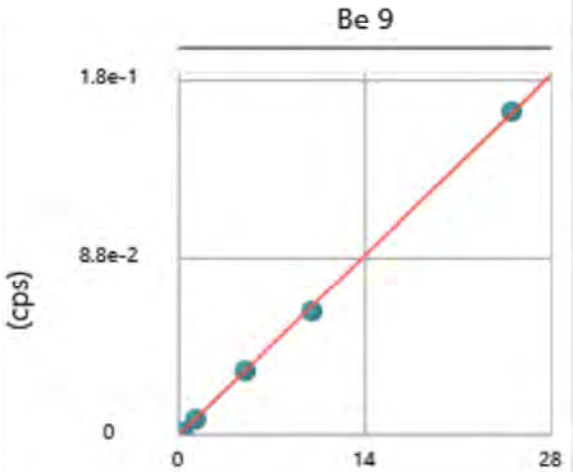
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.076233 ug/L
DL : 0.396120 ug/L



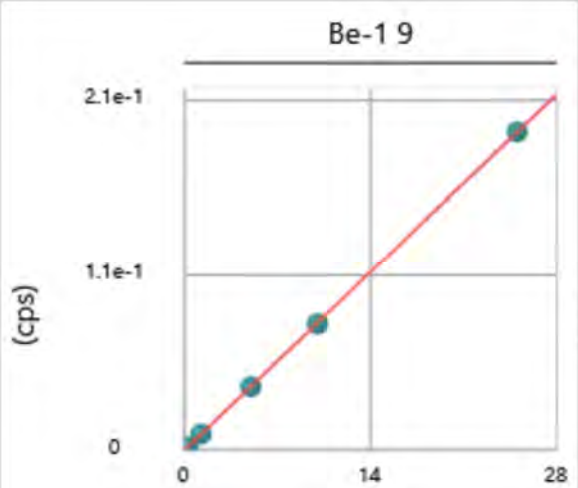
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999971
BEC : 0.012477 ug/L
DL : 0.001893 ug/L



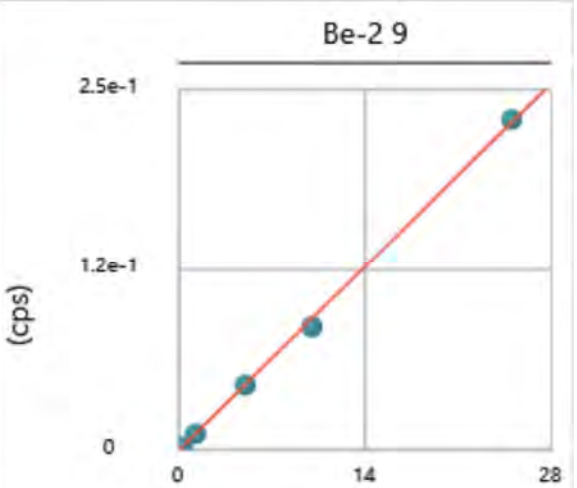
Eqn. : y = 0.008x + 0.000
Cor.Coeff. : 0.999741
BEC : 0.015856 mg/L
DL : 0.025102 mg/L



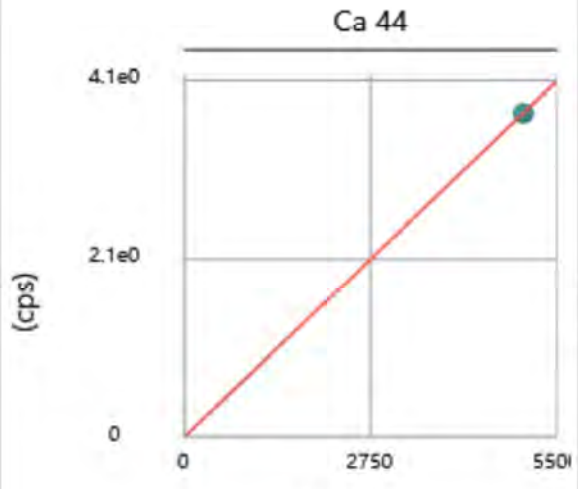
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999881
BEC : 0.000847 ug/L
DL : 0.001567 ug/L



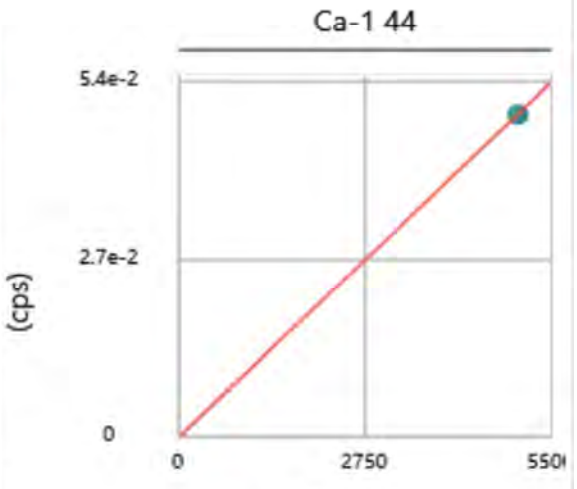
Eqn. : y = 0.008x + 0.000
Cor.Coeff. : 0.999994
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



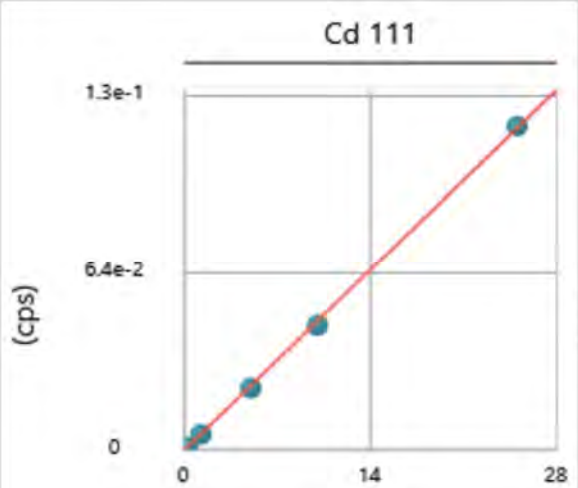
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999717
BEC : 0.000861 ug/L
DL : 0.001651 ug/L



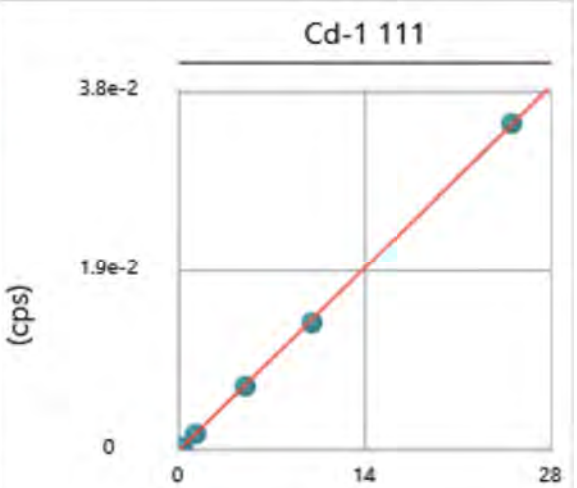
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 11.218838 ug/L
DL : 1.093503 ug/L



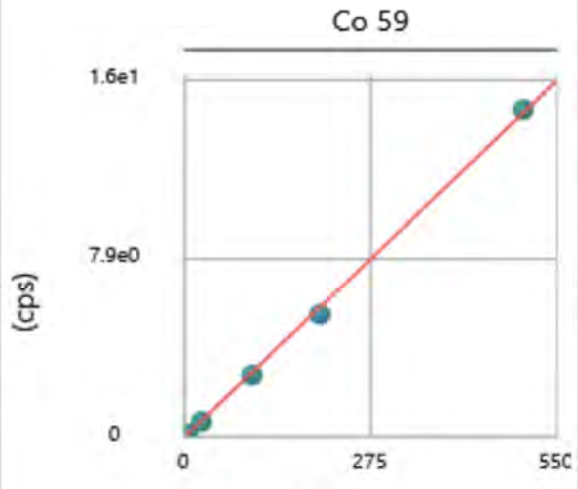
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 6.501699 mg/L
DL : 1.980834 mg/L



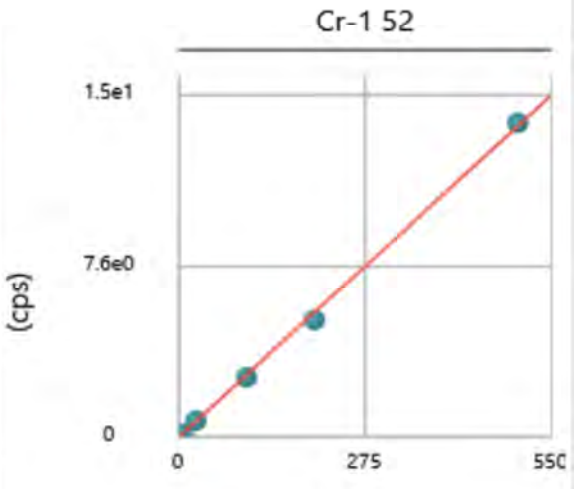
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999892
BEC : 0.001723 ug/L
DL : 0.001846 ug/L



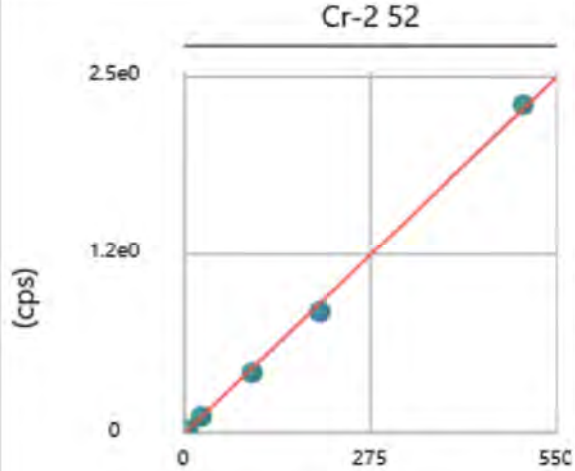
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999952
BEC : 0.029569 mg/L
DL : 0.028355 mg/L



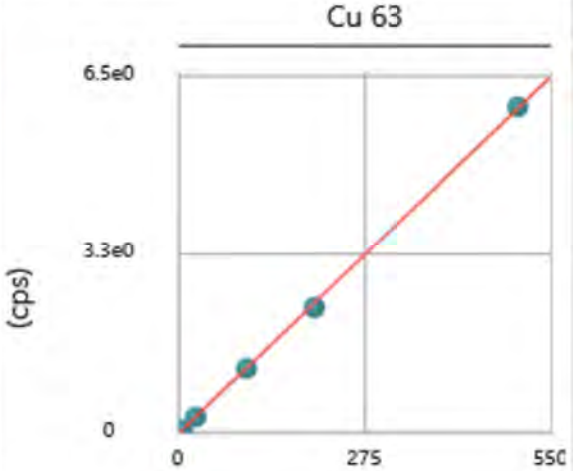
Eqn. : y = 0.029x + 0.000
Cor.Coeff. : 0.999713
BEC : 0.003061 ug/L
DL : 0.001585 ug/L



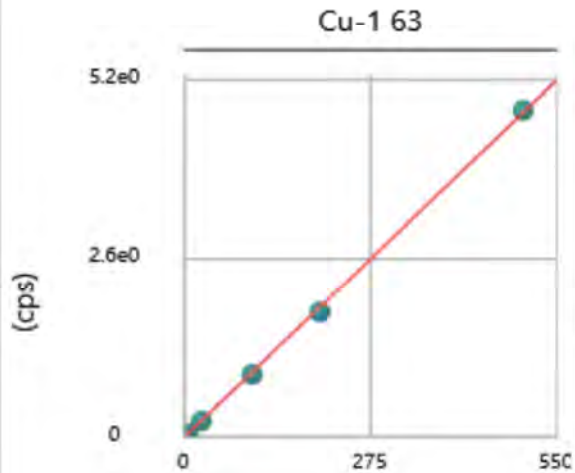
Eqn. : y = 0.028x + 0.000
Cor.Coeff. : 0.999675
BEC : 2.887412 ug/L
DL : 0.280083 ug/L



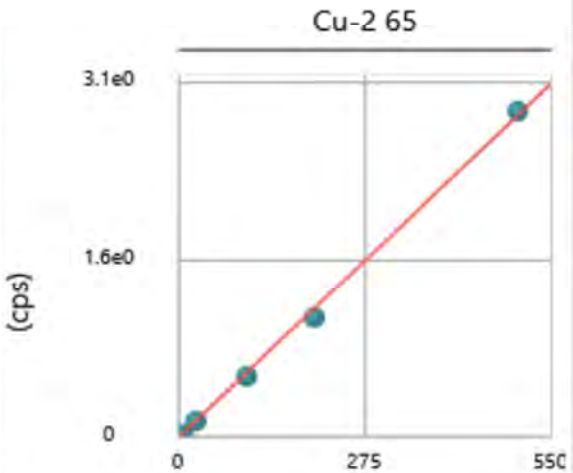
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999583
BEC : 0.027612 ug/L
DL : 0.013372 ug/L



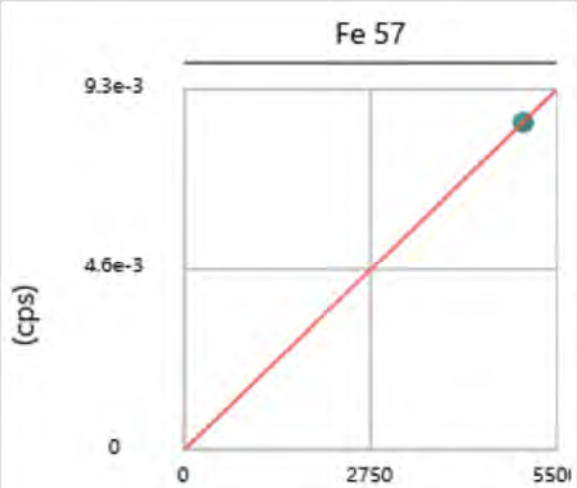
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999914
BEC : 0.026224 ug/L
DL : 0.002622 ug/L



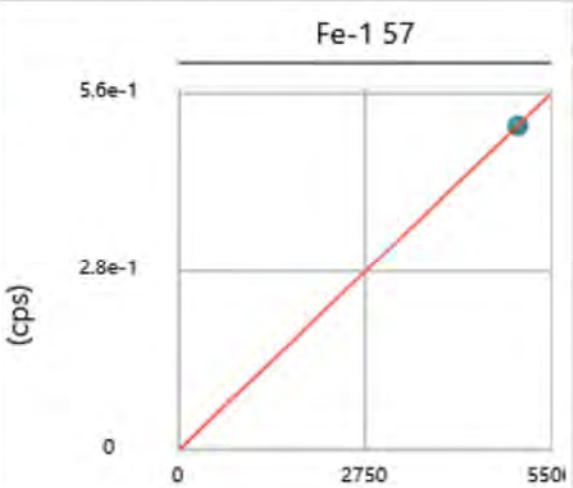
Eqn. : y = 0.010x + 0.000
Cor.Coeff. : 0.999870
BEC : 0.020758 ug/L
DL : 0.019318 ug/L



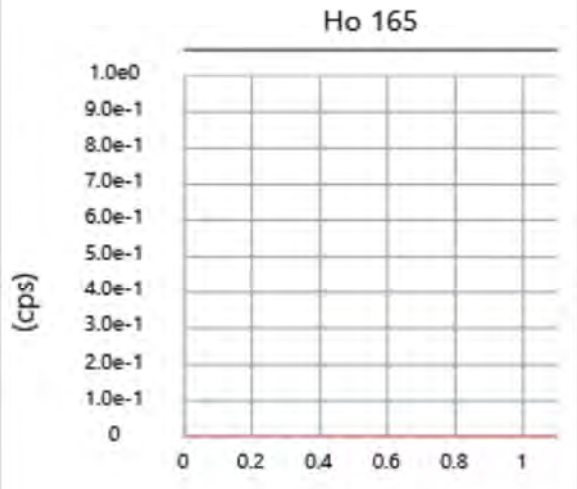
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999520
BEC : 0.022356 ug/L
DL : 0.013156 ug/L



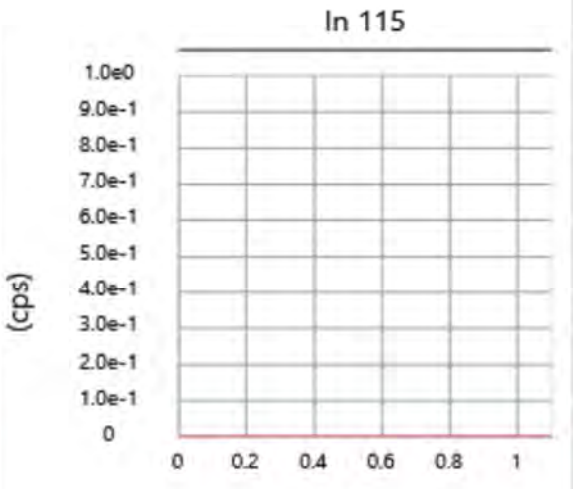
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 33.863689 ug/L
DL : 22.539217 ug/L



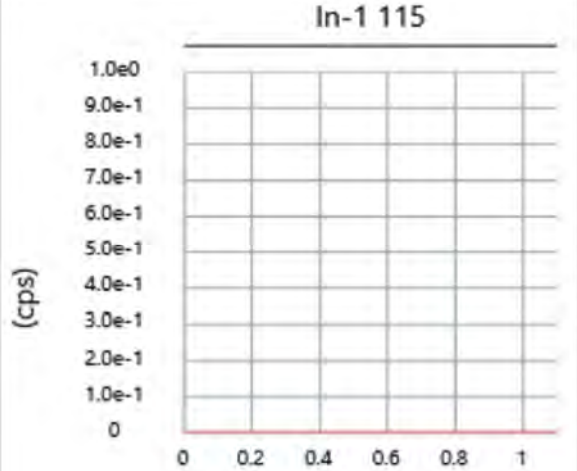
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.550489 ug/L
DL : 0.570271 ug/L



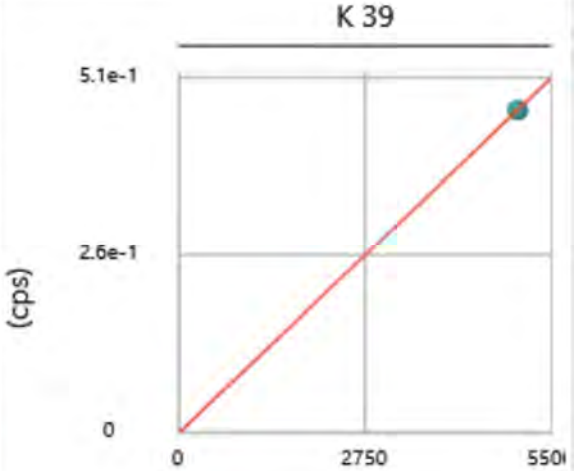
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



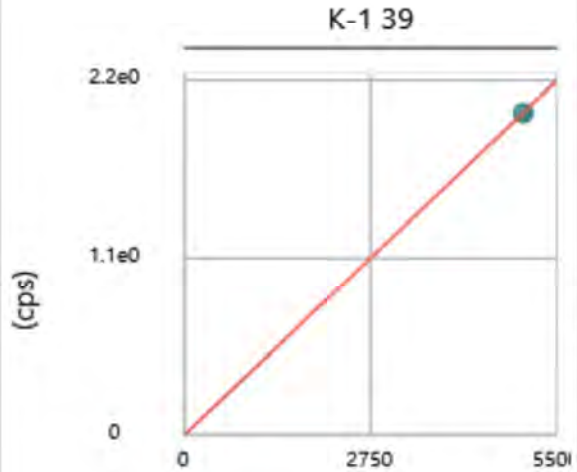
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



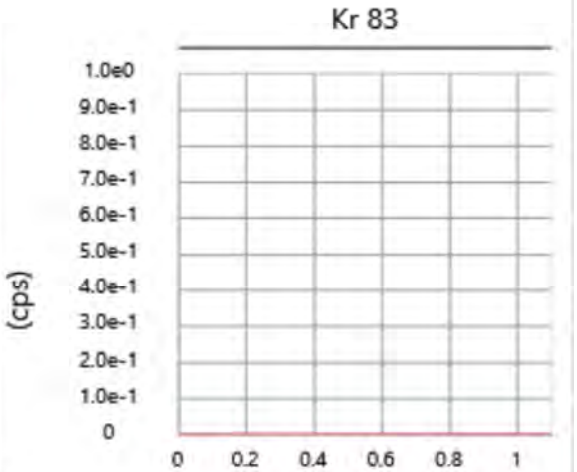
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



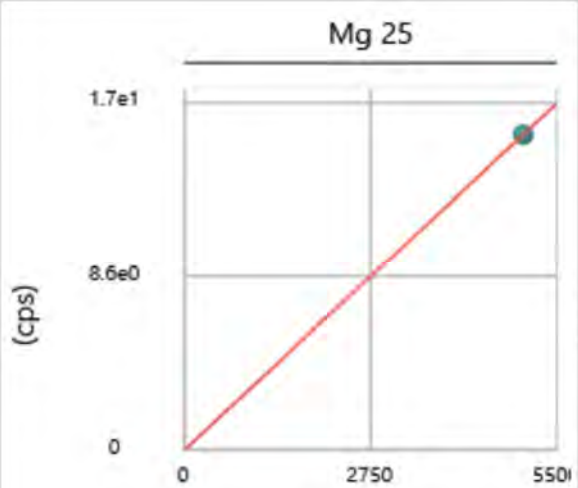
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 38.628869 ug/L
DL : 8.095776 ug/L



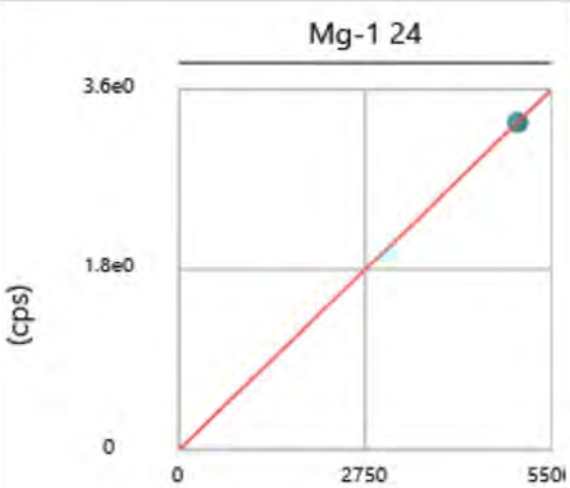
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 75.262857 mg/L
DL : 6.979908 mg/L



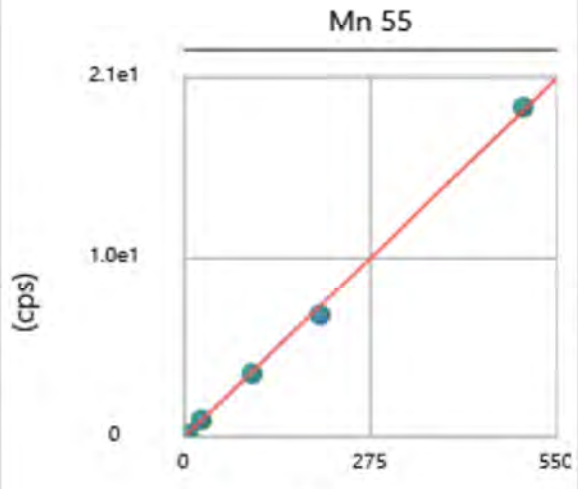
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



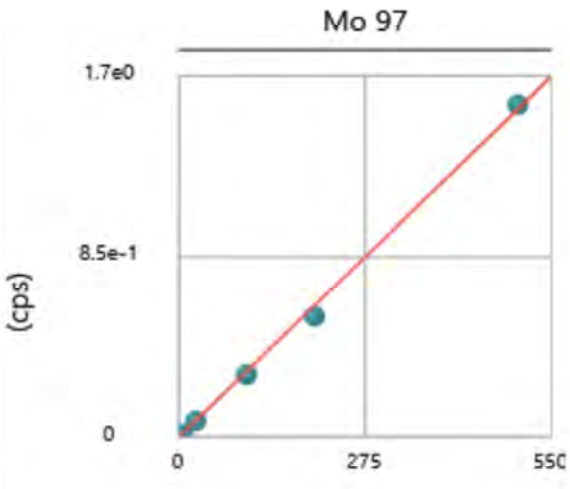
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.086202 ug/L
DL : 0.009375 ug/L



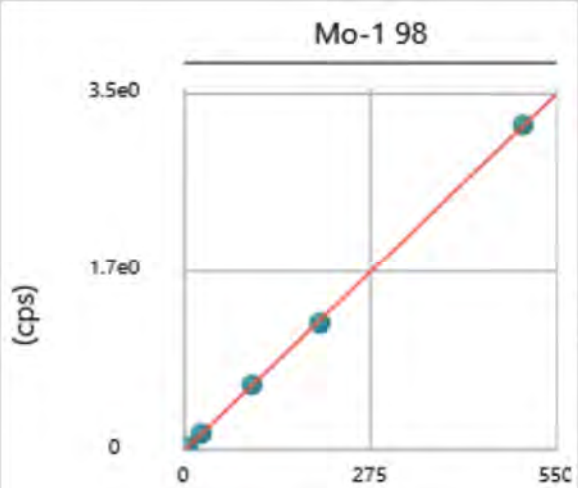
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.104111 mg/L
DL : 0.138814 mg/L



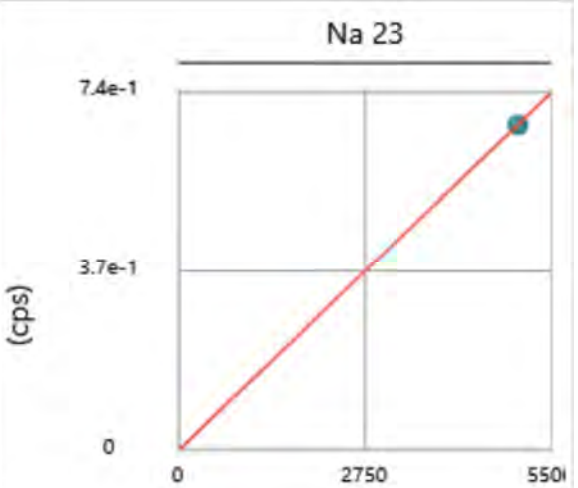
Eqn. : y = 0.038x + 0.000
Cor.Coeff. : 0.999637
BEC : 0.083999 ug/L
DL : 0.007567 ug/L



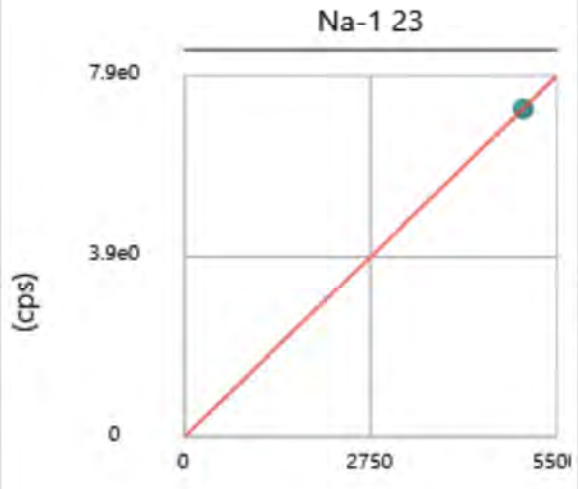
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999442
BEC : 0.042334 ug/L
DL : 0.032581 ug/L



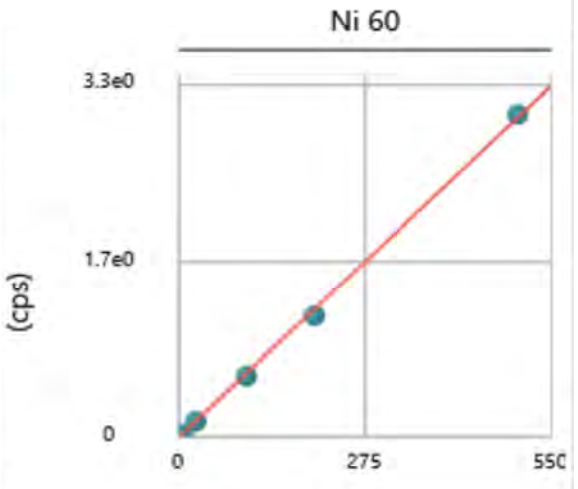
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999962
BEC : 0.013010 ug/L
DL : 0.015695 ug/L



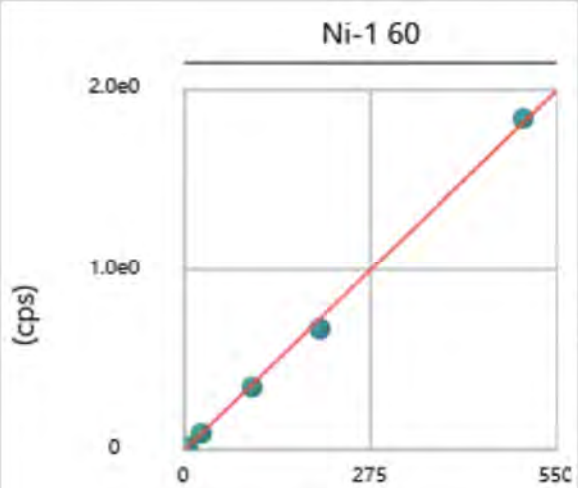
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 5.145816 ug/L
DL : 1.463738 ug/L



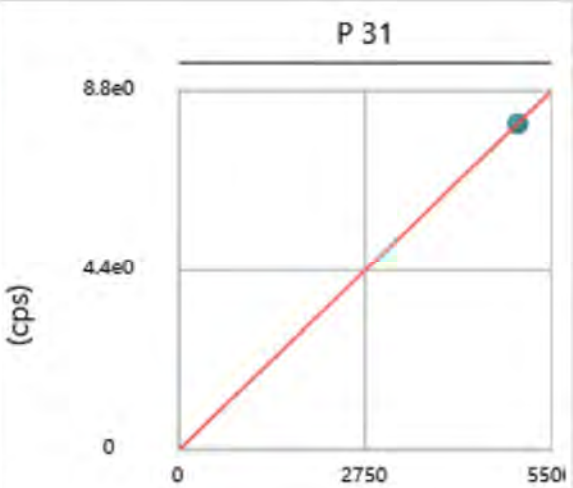
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 5.052710 mg/L
DL : 0.632181 mg/L



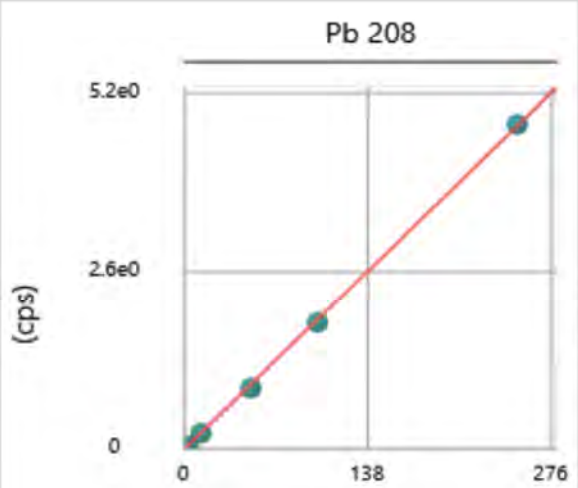
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999738
BEC : 0.056091 ug/L
DL : 0.013111 ug/L



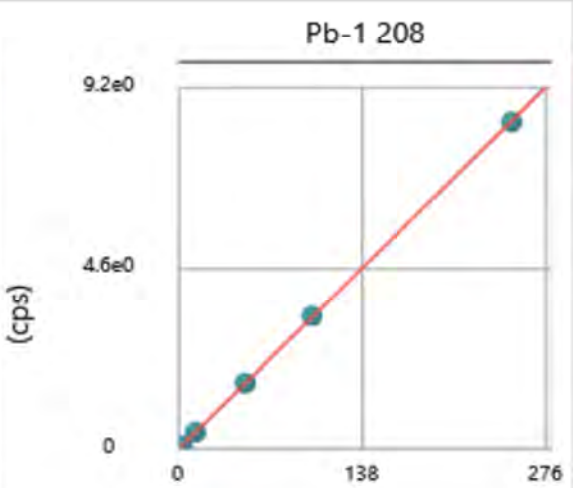
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999520
BEC : 0.052858 ug/L
DL : 0.058385 ug/L



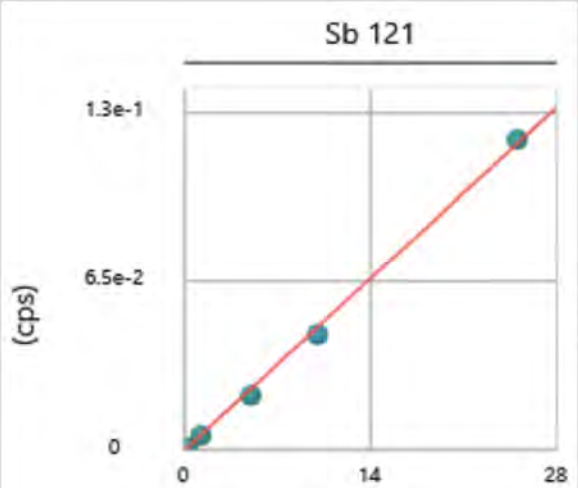
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 13.098473 ug/L
DL : 1.259260 ug/L



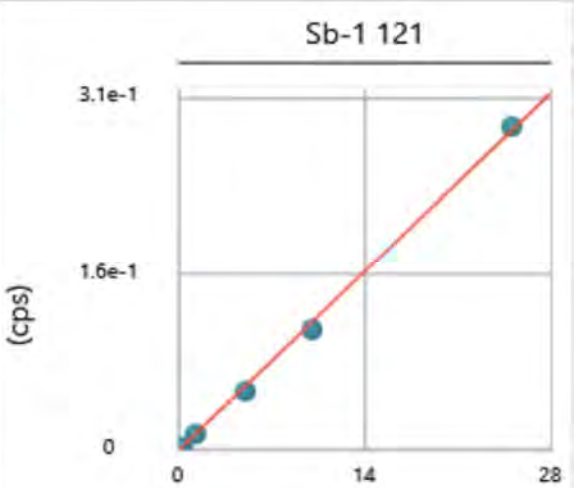
Eqn. : y = 0.019x + 0.000
Cor.Coeff. : 0.999910
BEC : 0.005005 ug/L
DL : 0.001126 ug/L



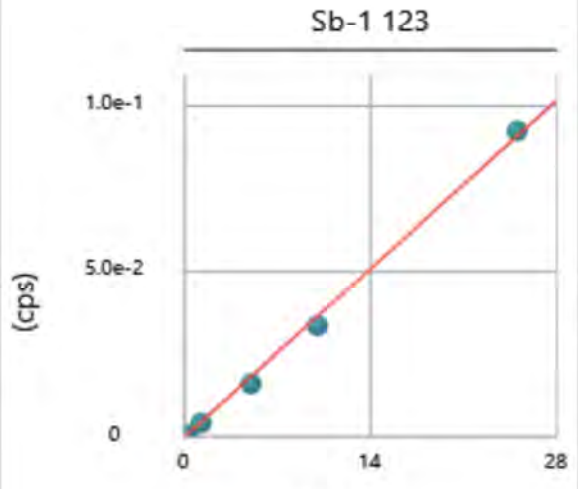
Eqn. : y = 0.033x + 0.000
Cor.Coeff. : 0.999986
BEC : 0.006163 ug/L
DL : 0.003585 ug/L



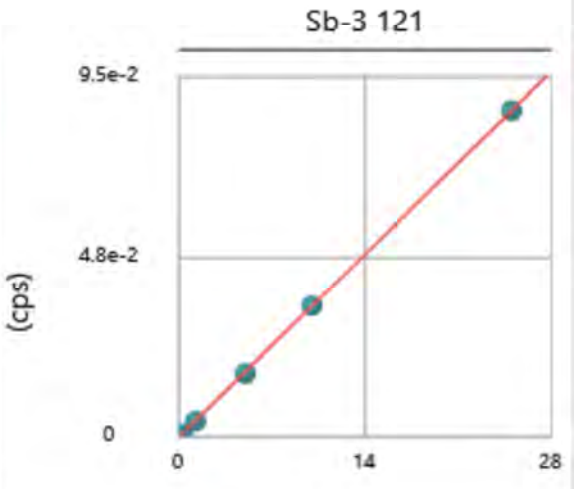
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999500
BEC : 0.012314 ug/L
DL : 0.002907 ug/L



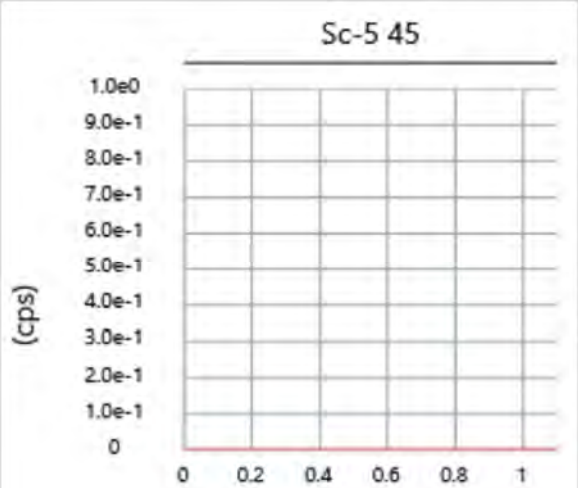
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999603
BEC : 0.012499 ug/L
DL : 0.003557 ug/L



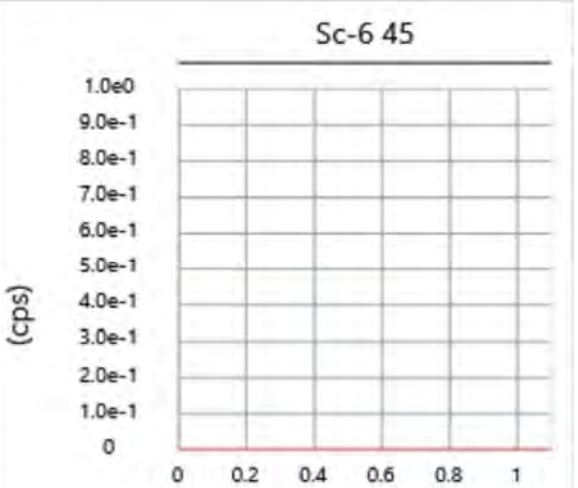
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999245
BEC : 0.013513 ug/L
DL : 0.001738 ug/L



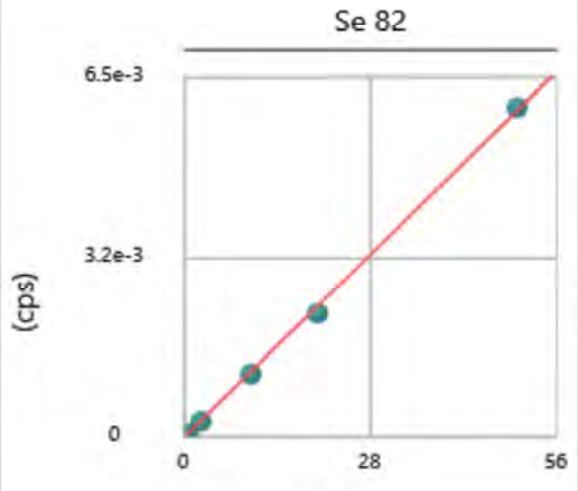
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999990
BEC : 0.010606 ug/L
DL : 0.007507 ug/L



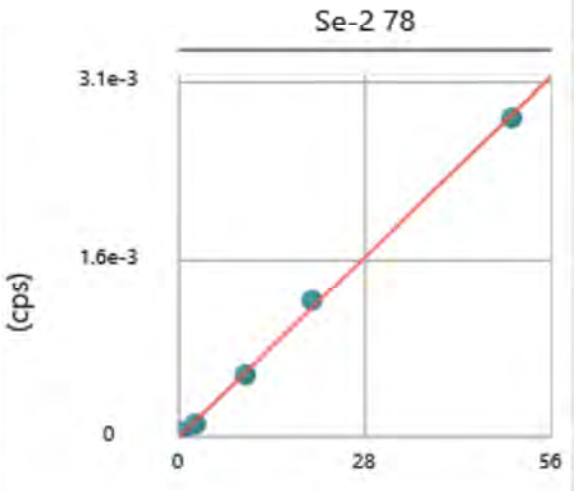
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



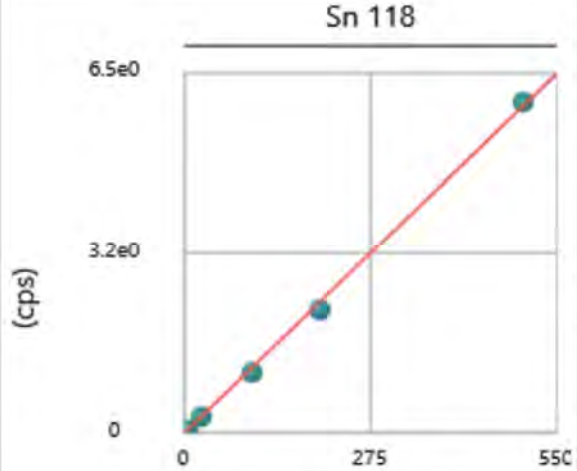
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN mg/L
DL : NaN mg/L



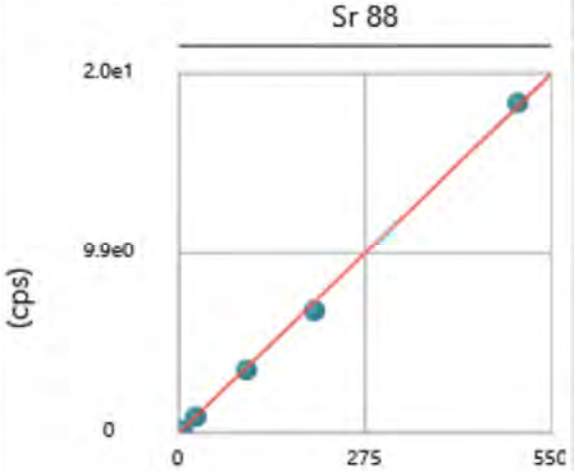
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999745
BEC : -0.283882 ug/L
DL : 0.197287 ug/L



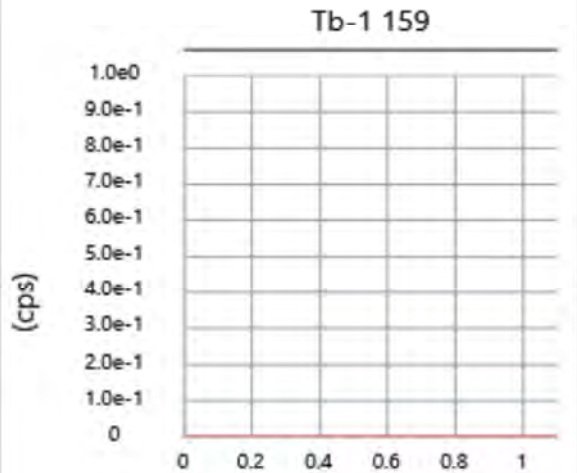
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999666
BEC : 0.700618 ug/L
DL : 0.263320 ug/L



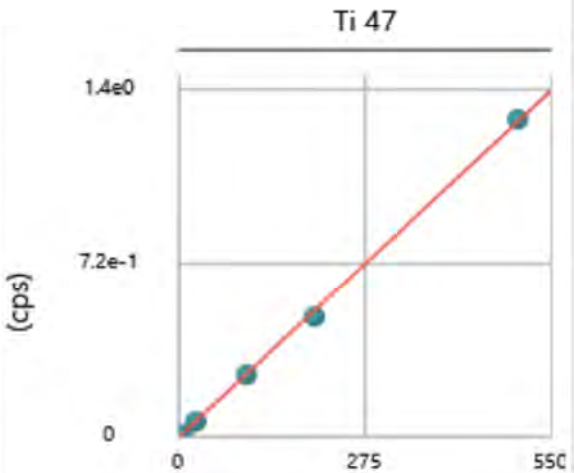
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999621
BEC : 0.290348 ug/L
DL : 0.047994 ug/L



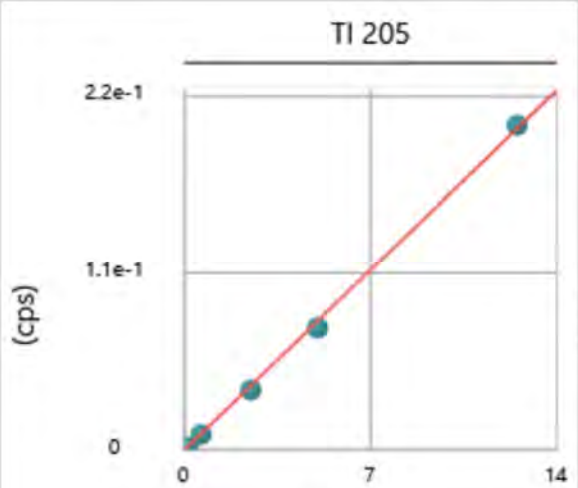
Eqn. : y = 0.036x + 0.000
Cor.Coeff. : 0.999654
BEC : 0.003845 ug/L
DL : 0.000893 ug/L



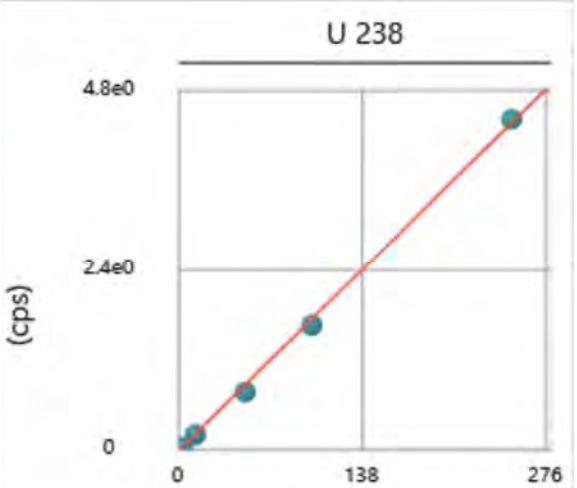
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



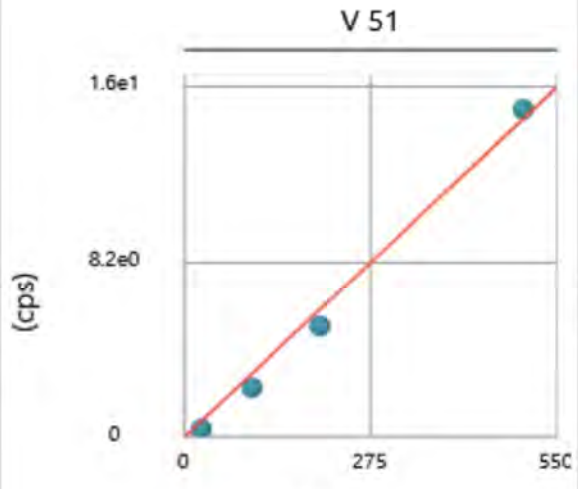
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999820
BEC : 0.104083 ug/L
DL : 0.070418 ug/L



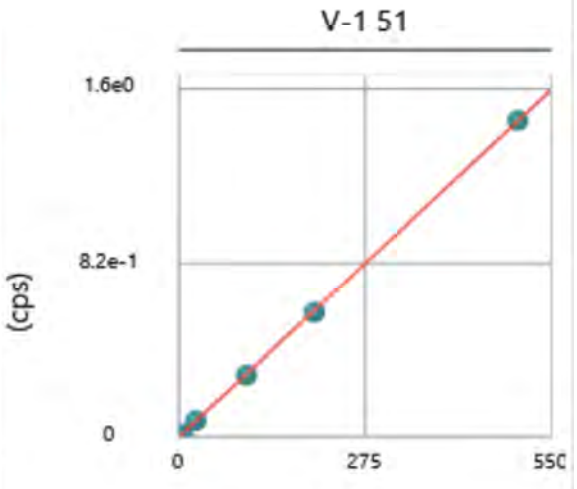
Eqn. : y = 0.016x + 0.000
Cor.Coeff. : 0.999704
BEC : 0.000597 ug/L
DL : 0.000792 ug/L



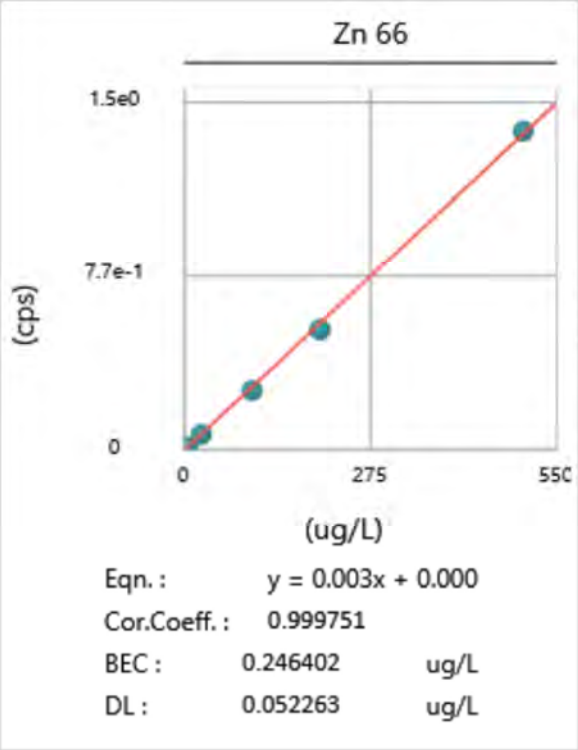
Eqn. : y = 0.017x + 0.000
Cor.Coeff. : 0.999578
BEC : 0.000071 ug/L
DL : 0.000186 ug/L

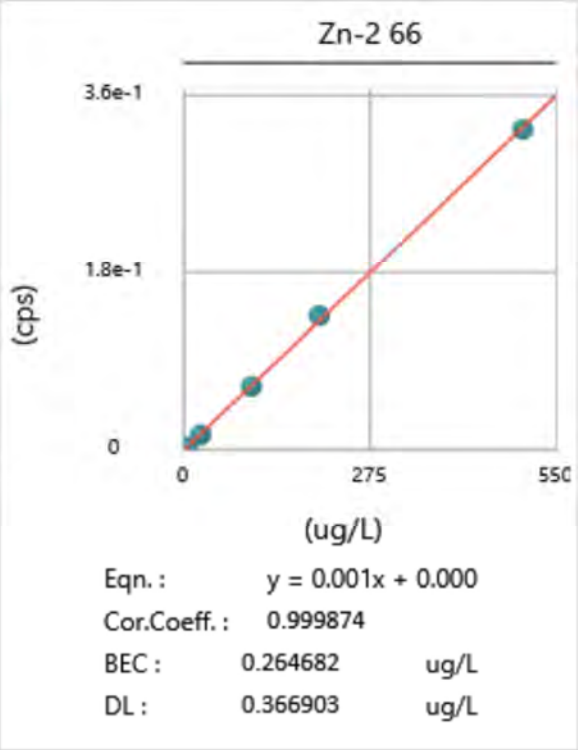


Eqn. : y = 0.030x + 0.000
Cor.Coeff. : 0.997201
BEC : 49.114378 ug/L
DL : 2.143670 ug/L



Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999976
BEC : 0.413672 ug/L
DL : 0.113994 ug/L


Zn 66
1.5e0
7.7e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999751
BEC : 0.246402 ug/L
DL : 0.052263 ug/L


Zn-2 66
3.6e-1
1.8e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999874
BEC : 0.264682 ug/L
DL : 0.366903 ug/L

Tunes

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 10/8/2021 2:57:28 PM
End Time: 10/8/2021 2:59:49 PM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 13211.71
Obtained Intensity (Mg 24): 67108.71
Obtained Intensity (In 115): 67082.16
Obtained Intensity (U 238): 51907.41
Obtained Intensity (Bkgd 220): 0.07
Obtained Formula (CeO 156 / Ce 140): 0.021 (=1523.41 / 70960.30)
Obtained Formula (Ce++ 70 / Ce 140): 0.019 (=1371.00 / 70960.30)
Obtained RSD (Be 9): 0.0108
Obtained RSD (Mg 24): 0.0199
Obtained RSD (In 115): 0.0163
Obtained RSD (U 238): 0.0105

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 10/8/2021 2:57:28 PM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 13211.71
Obtained Intensity (Mg 24): 67108.71
Obtained Intensity (In 115): 67082.16
Obtained Intensity (U 238): 51907.41
Obtained Intensity (Bkgd 220): 0.07
Obtained Formula (CeO 156 / Ce 140): 0.021 (=1523.41 / 70960.30)
Obtained Formula (Ce++ 70 / Ce 140): 0.019 (=1371.00 / 70960.30)
Obtained RSD (Be 9): 0.0108
Obtained RSD (Mg 24): 0.0199
Obtained RSD (In 115): 0.0163
Obtained RSD (U 238): 0.0105

[Passed] Optimum value(s): N/A

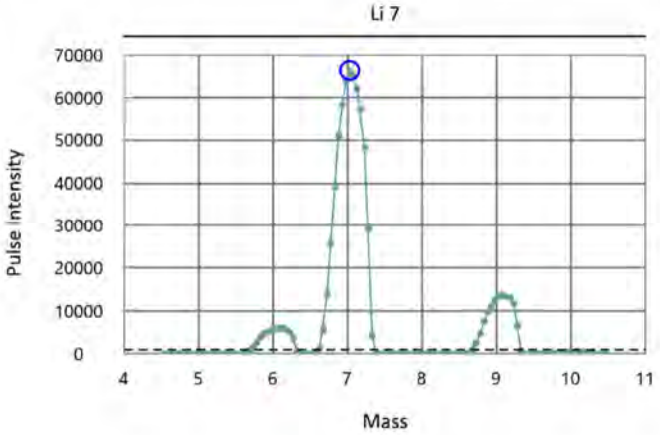
End Time: 10/8/2021 2:59:49 PM

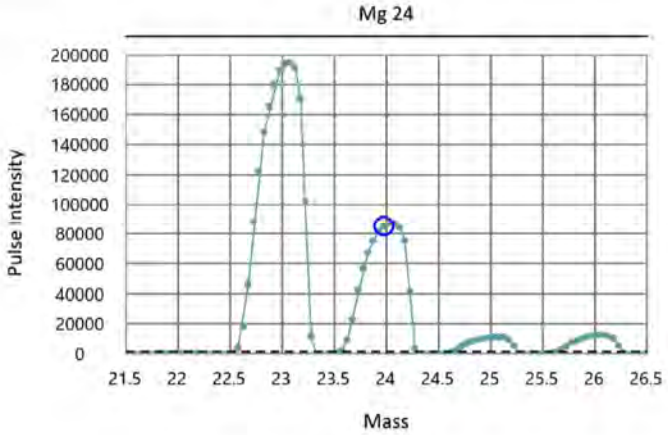
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.691)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.688)
Target/Obtained mass (114.904/114.875), Target/Obtained resolution (0.7/0.687)
Target/Obtained mass (207.977/208.025), Target/Obtained resolution (0.7/0.716)
Target/Obtained mass (238.05/238.025), Target/Obtained resolution (0.7/0.718)

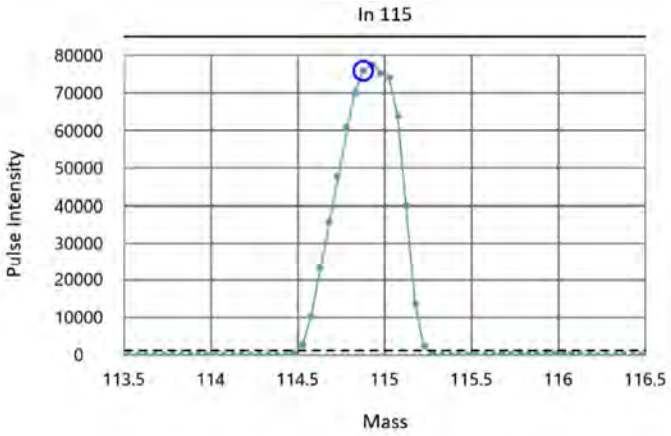
Acq. Date/Time: 10/8/2021 2:41:41 PM

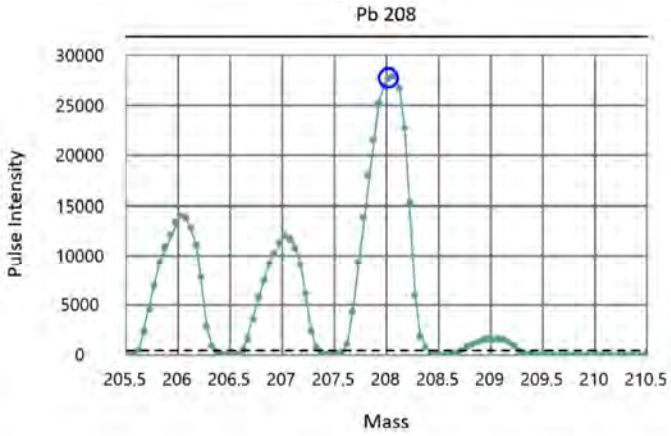
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

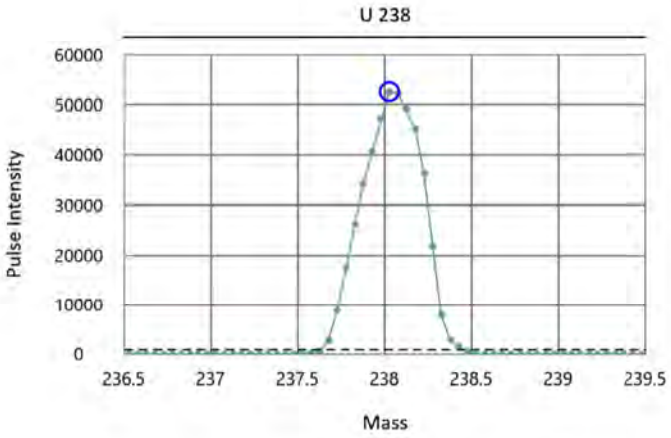
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1326	2022	0.691	
Mg	23.985	23.975	4714	2023	0.688	
In	114.904	114.875	22848	2041	0.687	
Pb	207.977	208.025	41425	2060	0.716	
U	238.05	238.025	47418	2067	0.718	











SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 10/11/2021 8:47:45 AM
End Time: 10/11/2021 8:50:05 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 8105.10
Obtained Intensity (Mg 24): 38194.01
Obtained Intensity (In 115): 53477.22
Obtained Intensity (U 238): 40949.50
Obtained Intensity (Bkgd 220): 0.57
Obtained Formula (CeO 156 / Ce 140): 0.020 (=1438.01 / 73306.37)
Obtained Formula (Ce++ 70 / Ce 140): 0.012 (=878.29 / 73306.37)
Obtained RSD (Be 9): 0.0285
Obtained RSD (Mg 24): 0.0209
Obtained RSD (In 115): 0.0233
Obtained RSD (U 238): 0.0235

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 10/11/2021 8:47:45 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 8105.10
Obtained Intensity (Mg 24): 38194.01
Obtained Intensity (In 115): 53477.22
Obtained Intensity (U 238): 40949.50
Obtained Intensity (Bkgd 220): 0.57
Obtained Formula (CeO 156 / Ce 140): 0.020 (=1438.01 / 73306.37)
Obtained Formula (Ce++ 70 / Ce 140): 0.012 (=878.29 / 73306.37)
Obtained RSD (Be 9): 0.0285
Obtained RSD (Mg 24): 0.0209
Obtained RSD (In 115): 0.0233
Obtained RSD (U 238): 0.0235

[Passed] Optimum value(s): N/A

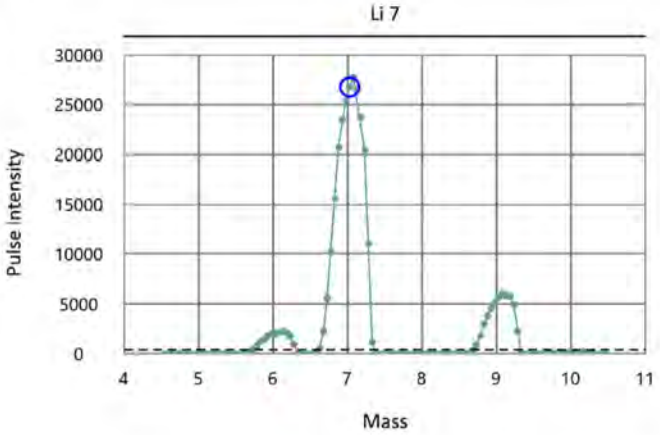
End Time: 10/11/2021 8:50:05 AM

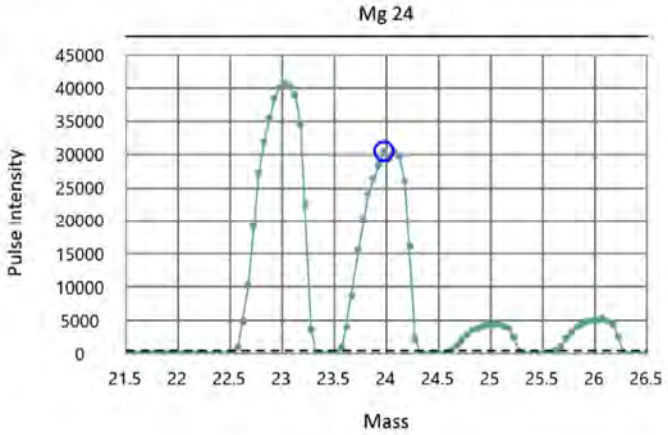
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.677)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.708)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.674)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.706)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.705)

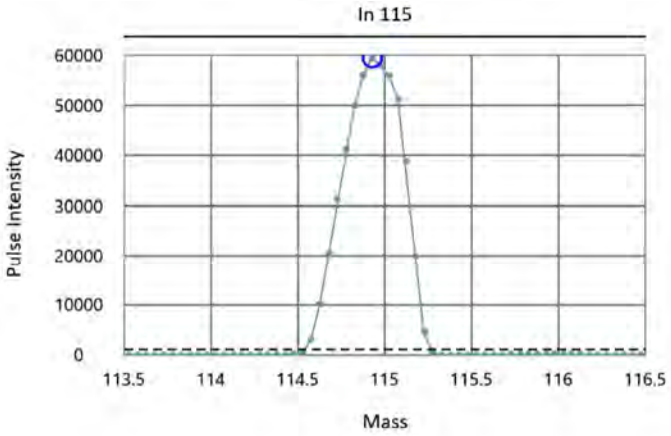
Acq. Date/Time: 10/11/2021 8:26:02 AM

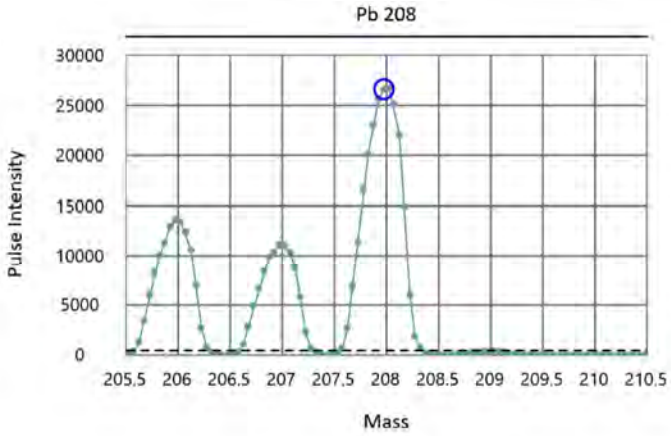
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

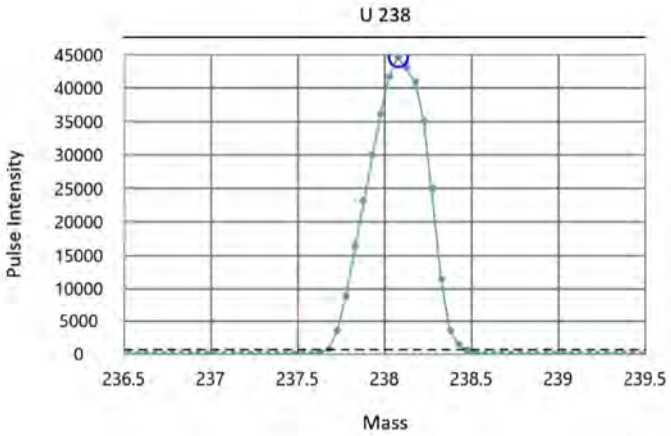
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1327	2022	0.677	
Mg	23.985	23.975	4712	2023	0.708	
In	114.904	114.925	22852	2041	0.674	
Pb	207.977	207.975	41424	2060	0.706	
U	238.05	238.075	47422	2067	0.705	











3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Shannon & Wilson
Ryan Peterson
400 N. 34th Street, Suite 100
Seattle, WA 98103

RE: 8801- Excavations
Work Order Number: 2110219

October 19, 2021

Attention Ryan Peterson:

Fremont Analytical, Inc. received 13 sample(s) on 10/14/2021 for the analyses presented in the following report.

Gasoline by NWTPH-Gx
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)
Polychlorinated Biphenyls (PCB) by EPA 8082
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CLIENT: Shannon & Wilson
Project: 8801- Excavations
Work Order: 2110219

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110219-001	A6-SIDE5:2	10/14/2021 11:50 AM	10/14/2021 5:21 PM
2110219-002	TRIP-20211014		10/14/2021 5:21 PM
2110219-003	A3-SIDE28:3	10/14/2021 3:20 PM	10/14/2021 5:21 PM
2110219-003	A3-SIDE28:3	10/14/2021 3:20 PM	10/14/2021 5:21 PM
2110219-004	A3-SIDE29:2.5	10/14/2021 3:17 PM	10/14/2021 5:21 PM
2110219-004	A3-SIDE29:2.5	10/14/2021 3:17 PM	10/14/2021 5:21 PM
2110219-005	A3-SIDE101:3	10/14/2021 4:00 PM	10/14/2021 5:21 PM
2110219-005	A3-SIDE101:3	10/14/2021 4:00 PM	10/14/2021 5:21 PM
2110219-006	A2-SIDE9:3	10/14/2021 4:10 PM	10/14/2021 5:21 PM
2110219-007	A2-SIDE10:3	10/14/2021 4:25 PM	10/14/2021 5:21 PM
2110219-008	A2-SIDE10:6	10/14/2021 4:27 PM	10/14/2021 5:21 PM
2110219-009	A2-SIDE12:2	10/14/2021 4:15 PM	10/14/2021 5:21 PM
2110219-010	A2-SIDE14:1.5	10/14/2021 4:20 PM	10/14/2021 5:21 PM
2110219-011	A2-SIDE101:3	10/14/2021 5:00 PM	10/14/2021 5:21 PM
2110219-012	A2-BOT5:4	10/14/2021 4:30 PM	10/14/2021 5:21 PM
2110219-013	A2-BOT6:7	10/14/2021 4:32 PM	10/14/2021 5:21 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Revision v2

Case Narrative

WO#: **2110219**
Date: **10/19/2021**

CLIENT: Shannon & Wilson
Project: 8801- Excavations

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

10/20/2021: Revision 1 includes correction to "A6-SIDE5:2" sample ID.
11/20/2021: Revision 2 includes level 2B data package.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **2110219**
Date Reported: **10/19/2021**

Client: Shannon & Wilson
Collection Date: 10/14/2021 11:50:00 AM
Project: 8801- Excavations
Lab ID: 2110219-001
Matrix: Soil
Client Sample ID: A6-SIDE5:2

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 34051			Analyst: EH
Arsenic	8.99	0.127	0.0427		mg/Kg-dry	1	10/18/21 17:42:46
Sample Moisture (Percent Moisture)				Batch ID: R70622			Analyst: ALB
Percent Moisture	24.6	0.500	0.100		wt%	1	10/19/21 10:04:13

Client: Shannon & Wilson
Collection Date:
Project: 8801- Excavations
Lab ID: 2110219-002
Matrix: Soil
Client Sample ID: TRIP-20211014

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 34069			Analyst: CR
Gasoline	ND	5.00	2.00		mg/Kg	1	10/16/21 2:18:14
Surr: Toluene-d8	103	65 - 135			%Rec	1	10/16/21 2:18:14
Surr: 4-Bromofluorobenzene	93.3	65 - 135			%Rec	1	10/16/21 2:18:14

Analytical Report

Work Order: **2110219**
Date Reported: **10/19/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110219-003
Client Sample ID: A3-SIDE28:3

Collection Date: 10/14/2021 3:20:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34064			Analyst: SB
Aroclor 1016	ND	0.0418	0.00673		mg/Kg-dry	1	10/19/21 15:21:56
Aroclor 1221	ND	0.0418	0.00673		mg/Kg-dry	1	10/19/21 15:21:56
Aroclor 1232	ND	0.0418	0.00673		mg/Kg-dry	1	10/19/21 15:21:56
Aroclor 1242	ND	0.0418	0.00673		mg/Kg-dry	1	10/19/21 15:21:56
Aroclor 1248	ND	0.0418	0.00830		mg/Kg-dry	1	10/19/21 15:21:56
Aroclor 1254	0.0314	0.0418	0.00830	J	mg/Kg-dry	1	10/19/21 15:21:56
Aroclor 1260	ND	0.0418	0.00830		mg/Kg-dry	1	10/19/21 15:21:56
Aroclor 1262	ND	0.0418	0.00830		mg/Kg-dry	1	10/19/21 15:21:56
Aroclor 1268	ND	0.0418	0.00830		mg/Kg-dry	1	10/19/21 15:21:56
Total PCBs	0.0314	0.0418	0.00830	J	mg/Kg-dry	1	10/19/21 15:21:56
Surr: Decachlorobiphenyl	71.8	20.6 - 142			%Rec	1	10/19/21 15:21:56
Surr: Tetrachloro-m-xylene	76.9	22 - 157			%Rec	1	10/19/21 15:21:56
Gasoline by NWTPH-Gx				Batch ID: 34069			Analyst: CR
Gasoline	ND	5.34	2.13		mg/Kg-dry	1	10/16/21 2:48:21
Surr: Toluene-d8	102	65 - 135			%Rec	1	10/16/21 2:48:21
Surr: 4-Bromofluorobenzene	95.0	65 - 135			%Rec	1	10/16/21 2:48:21
Total Metals by EPA Method 6020B				Batch ID: 34051			Analyst: EH
Copper	121	8.30	1.55	D	mg/Kg-dry	10	10/18/21 17:59:06
Sample Moisture (Percent Moisture)				Batch ID: R70577			Analyst: KJ
Percent Moisture	7.34	0.500	0.100		wt%	1	10/15/21 10:08:05

Analytical Report

Work Order: **2110219**
Date Reported: **10/19/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110219-004
Client Sample ID: **A3-SIDE29:2.5**

Collection Date: 10/14/2021 3:17:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34064			Analyst: SB
Aroclor 1016	ND	0.0619	0.00997		mg/Kg-dry	1	10/19/21 15:51:11
Aroclor 1221	ND	0.0619	0.00997		mg/Kg-dry	1	10/19/21 15:51:11
Aroclor 1232	ND	0.0619	0.00997		mg/Kg-dry	1	10/19/21 15:51:11
Aroclor 1242	ND	0.0619	0.00997		mg/Kg-dry	1	10/19/21 15:51:11
Aroclor 1248	ND	0.0619	0.0123		mg/Kg-dry	1	10/19/21 15:51:11
Aroclor 1254	ND	0.0619	0.0123		mg/Kg-dry	1	10/19/21 15:51:11
Aroclor 1260	ND	0.0619	0.0123		mg/Kg-dry	1	10/19/21 15:51:11
Aroclor 1262	ND	0.0619	0.0123		mg/Kg-dry	1	10/19/21 15:51:11
Aroclor 1268	ND	0.0619	0.0123		mg/Kg-dry	1	10/19/21 15:51:11
Total PCBs	ND	0.0619	0.0123		mg/Kg-dry	1	10/19/21 15:51:11
Surr: Decachlorobiphenyl	36.7	20.6 - 142			%Rec	1	10/19/21 15:51:11
Surr: Tetrachloro-m-xylene	50.3	22 - 157			%Rec	1	10/19/21 15:51:11
Gasoline by NWTPH-Gx				Batch ID: 34069			Analyst: CR
Gasoline	3.17	6.48	2.59	J	mg/Kg-dry	1	10/16/21 3:48:40
Surr: Toluene-d8	101	65 - 135			%Rec	1	10/16/21 3:48:40
Surr: 4-Bromofluorobenzene	94.3	65 - 135			%Rec	1	10/16/21 3:48:40
Total Metals by EPA Method 6020B				Batch ID: 34051			Analyst: EH
Copper	59.2	12.8	2.40	D	mg/Kg-dry	10	10/18/21 18:01:25
Sample Moisture (Percent Moisture)				Batch ID: R70577			Analyst: KJ
Percent Moisture	37.7	0.500	0.100		wt%	1	10/15/21 10:08:05

Analytical Report

Work Order: **2110219**
Date Reported: **10/19/2021**

Client: Shannon & Wilson
Collection Date: 10/14/2021 4:00:00 PM
Project: 8801- Excavations
Lab ID: 2110219-005
Matrix: Soil
Client Sample ID: A3-SIDE101:3

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34064			Analyst: SB
Aroclor 1016	ND	0.0424	0.00683		mg/Kg-dry	1	10/19/21 16:00:58
Aroclor 1221	ND	0.0424	0.00683		mg/Kg-dry	1	10/19/21 16:00:58
Aroclor 1232	ND	0.0424	0.00683		mg/Kg-dry	1	10/19/21 16:00:58
Aroclor 1242	ND	0.0424	0.00683		mg/Kg-dry	1	10/19/21 16:00:58
Aroclor 1248	ND	0.0424	0.00843		mg/Kg-dry	1	10/19/21 16:00:58
Aroclor 1254	0.0354	0.0424	0.00843	J	mg/Kg-dry	1	10/19/21 16:00:58
Aroclor 1260	ND	0.0424	0.00843		mg/Kg-dry	1	10/19/21 16:00:58
Aroclor 1262	ND	0.0424	0.00843		mg/Kg-dry	1	10/19/21 16:00:58
Aroclor 1268	ND	0.0424	0.00843		mg/Kg-dry	1	10/19/21 16:00:58
Total PCBs	0.0354	0.0424	0.00843	J	mg/Kg-dry	1	10/19/21 16:00:58
Surr: Decachlorobiphenyl	66.4	20.6 - 142			%Rec	1	10/19/21 16:00:58
Surr: Tetrachloro-m-xylene	61.2	22 - 157			%Rec	1	10/19/21 16:00:58
Gasoline by NWTPH-Gx				Batch ID: 34069			Analyst: CR
Gasoline	ND	6.80	2.72		mg/Kg-dry	1	10/16/21 4:18:50
Surr: Toluene-d8	102	65 - 135			%Rec	1	10/16/21 4:18:50
Surr: 4-Bromofluorobenzene	92.3	65 - 135			%Rec	1	10/16/21 4:18:50
Total Metals by EPA Method 6020B				Batch ID: 34051			Analyst: EH
Copper	852	8.54	1.60	D	mg/Kg-dry	10	10/18/21 18:03:45
Sample Moisture (Percent Moisture)				Batch ID: R70577			Analyst: KJ
Percent Moisture	9.23	0.500	0.100		wt%	1	10/15/21 10:08:05

Revision v2

Analytical Report

Work Order: **2110219**
Date Reported: **10/19/2021**

Client: Shannon & Wilson
Collection Date: 10/14/2021 4:10:00 PM
Project: 8801- Excavations
Lab ID: 2110219-006
Matrix: Soil
Client Sample ID: A2-SIDE9:3

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 34065			Analyst: SB
Benz(a)anthracene	4,040	19.7	2.48		µg/Kg-dry	1	10/15/21 18:45:06
Chrysene	4,180	39.4	7.14		µg/Kg-dry	1	10/15/21 18:45:06
Benzo(b)fluoranthene	2,780	19.7	2.13		µg/Kg-dry	1	10/15/21 18:45:06
Benzo(k)fluoranthene	3,410	19.7	2.67		µg/Kg-dry	1	10/15/21 18:45:06
Benzo(a)pyrene	4,280	19.7	2.22		µg/Kg-dry	1	10/15/21 18:45:06
Indeno(1,2,3-cd)pyrene	2,100	39.4	7.04		µg/Kg-dry	1	10/15/21 18:45:06
Dibenz(a,h)anthracene	1,160	39.4	8.62		µg/Kg-dry	1	10/15/21 18:45:06
Surr: 2-Fluorobiphenyl	75.0	27.9 - 129			%Rec	1	10/15/21 18:45:06
Surr: Terphenyl-d14 (surr)	97.0	39.1 - 145	0		%Rec	1	10/15/21 18:45:06
Sample Moisture (Percent Moisture)				Batch ID: R70577			Analyst: KJ
Percent Moisture	7.32	0.500	0.100		wt%	1	10/15/21 10:08:05

Analytical Report

Work Order: **2110219**
Date Reported: **10/19/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110219-007
Client Sample ID: A2-SIDE10:3

Collection Date: 10/14/2021 4:25:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 34065			Analyst: SB
Benz(a)anthracene	ND	20.3	2.55		µg/Kg-dry	1	10/15/21 19:49:40
Chrysene	ND	40.6	7.35		µg/Kg-dry	1	10/15/21 19:49:40
Benzo(b)fluoranthene	ND	20.3	2.19		µg/Kg-dry	1	10/15/21 19:49:40
Benzo(k)fluoranthene	ND	20.3	2.75		µg/Kg-dry	1	10/15/21 19:49:40
Benzo(a)pyrene	ND	20.3	2.28		µg/Kg-dry	1	10/15/21 19:49:40
Indeno(1,2,3-cd)pyrene	ND	40.6	7.24		µg/Kg-dry	1	10/15/21 19:49:40
Dibenz(a,h)anthracene	ND	40.6	8.87		µg/Kg-dry	1	10/15/21 19:49:40
Surr: 2-Fluorobiphenyl	73.2	27.9 - 129			%Rec	1	10/15/21 19:49:40
Surr: Terphenyl-d14 (surr)	92.7	39.1 - 145	0		%Rec	1	10/15/21 19:49:40
Sample Moisture (Percent Moisture)				Batch ID: R70577			Analyst: KJ
Percent Moisture	8.37	0.500	0.100		wt%	1	10/15/21 10:08:05

Analytical Report

Work Order: **2110219**
Date Reported: **10/19/2021**

Client: Shannon & Wilson
Collection Date: 10/14/2021 4:27:00 PM
Project: 8801- Excavations
Lab ID: 2110219-008
Matrix: Soil
Client Sample ID: A2-SIDE10:6

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 34065			Analyst: SB
Benz(a)anthracene	118	23.9	3.01		µg/Kg-dry	1	10/15/21 20:11:07
Chrysene	112	47.9	8.67		µg/Kg-dry	1	10/15/21 20:11:07
Benzo(b)fluoranthene	74.7	23.9	2.59		µg/Kg-dry	1	10/15/21 20:11:07
Benzo(k)fluoranthene	89.6	23.9	3.24		µg/Kg-dry	1	10/15/21 20:11:07
Benzo(a)pyrene	105	23.9	2.69		µg/Kg-dry	1	10/15/21 20:11:07
Indeno(1,2,3-cd)pyrene	59.2	47.9	8.55		µg/Kg-dry	1	10/15/21 20:11:07
Dibenz(a,h)anthracene	25.1	47.9	10.5	J	µg/Kg-dry	1	10/15/21 20:11:07
Surr: 2-Fluorobiphenyl	55.4	27.9 - 129			%Rec	1	10/15/21 20:11:07
Surr: Terphenyl-d14 (surr)	67.3	39.1 - 145	0		%Rec	1	10/15/21 20:11:07
Sample Moisture (Percent Moisture)				Batch ID: R70577			Analyst: KJ
Percent Moisture	27.3	0.500	0.100		wt%	1	10/15/21 10:08:05

Analytical Report

Work Order: **2110219**
Date Reported: **10/19/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110219-009
Client Sample ID: A2-SIDE12:2

Collection Date: 10/14/2021 4:15:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 34065			Analyst: SB
Benz(a)anthracene	8,630	210	26.4	D	µg/Kg-dry	10	10/19/21 10:38:23
Chrysene	8,990	420	76.2	D	µg/Kg-dry	10	10/19/21 10:38:23
Benzo(b)fluoranthene	7,570	210	22.7	D	µg/Kg-dry	10	10/19/21 10:38:23
Benzo(k)fluoranthene	7,760	210	28.5	D	µg/Kg-dry	10	10/19/21 10:38:23
Benzo(a)pyrene	10,900	210	23.6	D	µg/Kg-dry	10	10/19/21 10:38:23
Indeno(1,2,3-cd)pyrene	5,120	42.0	7.51		µg/Kg-dry	1	10/15/21 20:32:41
Dibenz(a,h)anthracene	2,750	42.0	9.19		µg/Kg-dry	1	10/15/21 20:32:41
Surr: 2-Fluorobiphenyl	75.2	27.9 - 129			%Rec	1	10/15/21 20:32:41
Surr: Terphenyl-d14 (surr)	96.8	39.1 - 145	0		%Rec	1	10/15/21 20:32:41
Sample Moisture (Percent Moisture)				Batch ID: R70577			Analyst: KJ
Percent Moisture	5.80	0.500	0.100		wt%	1	10/15/21 10:08:05

Analytical Report

Work Order: **2110219**
Date Reported: **10/19/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110219-010
Client Sample ID: A2-SIDE14:1.5

Collection Date: 10/14/2021 4:20:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 34065			Analyst: SB
Benz(a)anthracene	2,380	19.6	2.47		µg/Kg-dry	1	10/15/21 20:54:11
Chrysene	2,420	39.3	7.11		µg/Kg-dry	1	10/15/21 20:54:11
Benzo(b)fluoranthene	1,700	19.6	2.12		µg/Kg-dry	1	10/15/21 20:54:11
Benzo(k)fluoranthene	2,010	19.6	2.66		µg/Kg-dry	1	10/15/21 20:54:11
Benzo(a)pyrene	2,510	19.6	2.21		µg/Kg-dry	1	10/15/21 20:54:11
Indeno(1,2,3-cd)pyrene	1,320	39.3	7.01		µg/Kg-dry	1	10/15/21 20:54:11
Dibenz(a,h)anthracene	694	39.3	8.58		µg/Kg-dry	1	10/15/21 20:54:11
Surr: 2-Fluorobiphenyl	71.4	27.9 - 129			%Rec	1	10/15/21 20:54:11
Surr: Terphenyl-d14 (surr)	91.7	39.1 - 145	0		%Rec	1	10/15/21 20:54:11
Sample Moisture (Percent Moisture)				Batch ID: R70577			Analyst: KJ
Percent Moisture	5.76	0.500	0.100		wt%	1	10/15/21 10:08:05

Analytical Report

Work Order: **2110219**
Date Reported: **10/19/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110219-011
Client Sample ID: **A2-SIDE101:3**

Collection Date: 10/14/2021 5:00:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 34065			Analyst: SB
Benz(a)anthracene	9,830	211	26.5	D	µg/Kg-dry	10	10/19/21 10:59:54
Chrysene	10,100	421	76.4	D	µg/Kg-dry	10	10/19/21 10:59:54
Benzo(b)fluoranthene	7,260	211	22.8	D	µg/Kg-dry	10	10/19/21 10:59:54
Benzo(k)fluoranthene	8,020	211	28.5	D	µg/Kg-dry	10	10/19/21 10:59:54
Benzo(a)pyrene	11,200	211	23.7	D	µg/Kg-dry	10	10/19/21 10:59:54
Indeno(1,2,3-cd)pyrene	5,870	421	75.2	D	µg/Kg-dry	10	10/19/21 10:59:54
Dibenz(a,h)anthracene	3,020	42.1	9.21		µg/Kg-dry	1	10/15/21 21:15:45
Surr: 2-Fluorobiphenyl	73.4	27.9 - 129			%Rec	1	10/15/21 21:15:45
Surr: Terphenyl-d14 (surr)	94.0	39.1 - 145	0		%Rec	1	10/15/21 21:15:45
Sample Moisture (Percent Moisture)				Batch ID: R70577			Analyst: KJ
Percent Moisture	9.51	0.500	0.100		wt%	1	10/15/21 10:08:05

Analytical Report

Work Order: **2110219**
Date Reported: **10/19/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110219-012
Client Sample ID: A2-BOT5:4

Collection Date: 10/14/2021 4:30:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 34065			Analyst: SB
Benz(a)anthracene	ND	22.2	2.79		µg/Kg-dry	1	10/15/21 21:37:19
Chrysene	ND	44.4	8.05		µg/Kg-dry	1	10/15/21 21:37:19
Benzo(b)fluoranthene	ND	22.2	2.40		µg/Kg-dry	1	10/15/21 21:37:19
Benzo(k)fluoranthene	ND	22.2	3.01		µg/Kg-dry	1	10/15/21 21:37:19
Benzo(a)pyrene	ND	22.2	2.50		µg/Kg-dry	1	10/15/21 21:37:19
Indeno(1,2,3-cd)pyrene	ND	44.4	7.93		µg/Kg-dry	1	10/15/21 21:37:19
Dibenz(a,h)anthracene	ND	44.4	9.71		µg/Kg-dry	1	10/15/21 21:37:19
Surr: 2-Fluorobiphenyl	74.9	27.9 - 129			%Rec	1	10/15/21 21:37:19
Surr: Terphenyl-d14 (surr)	96.6	39.1 - 145	0		%Rec	1	10/15/21 21:37:19
Sample Moisture (Percent Moisture)				Batch ID: R70577			Analyst: KJ
Percent Moisture	15.6	0.500	0.100		wt%	1	10/15/21 10:08:05

Analytical Report

Work Order: **2110219**
Date Reported: **10/19/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110219-013
Client Sample ID: A2-BOT6:7

Collection Date: 10/14/2021 4:32:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 34065			Analyst: SB
Benz(a)anthracene	269	24.4	3.07		µg/Kg-dry	1	10/15/21 21:58:50
Chrysene	276	48.8	8.85		µg/Kg-dry	1	10/15/21 21:58:50
Benzo(b)fluoranthene	194	24.4	2.64		µg/Kg-dry	1	10/15/21 21:58:50
Benzo(k)fluoranthene	173	24.4	3.30		µg/Kg-dry	1	10/15/21 21:58:50
Benzo(a)pyrene	223	24.4	2.75		µg/Kg-dry	1	10/15/21 21:58:50
Indeno(1,2,3-cd)pyrene	105	48.8	8.72		µg/Kg-dry	1	10/15/21 21:58:50
Dibenz(a,h)anthracene	45.4	48.8	10.7	J	µg/Kg-dry	1	10/15/21 21:58:50
Surr: 2-Fluorobiphenyl	68.2	27.9 - 129			%Rec	1	10/15/21 21:58:50
Surr: Terphenyl-d14 (surr)	86.5	39.1 - 145	0		%Rec	1	10/15/21 21:58:50
Sample Moisture (Percent Moisture)				Batch ID: R70577			Analyst: KJ
Percent Moisture	25.6	0.500	0.100		wt%	1	10/15/21 10:08:05

Work Order: 2110219
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **ICB-34051**	SampType: **ICB**	Units: **µg/L**	Prep Date: **10/18/2021**	RunNo: **70620**
Client ID: **ICB**	Batch ID: **34051**		Analysis Date: **10/18/2021**	SeqNo: **1435558**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Copper	ND	10.0									

Sample ID: **ICV-34051**	SampType: **ICV**	Units: **µg/L**	Prep Date: **10/18/2021**	RunNo: **70620**
Client ID: **ICV**	Batch ID: **34051**		Analysis Date: **10/18/2021**	SeqNo: **1435562**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	110	1.20	100.0	0	110	90	110				
Copper	102	10.0	100.0	0	102	90	110				

Sample ID: **CCV-34051A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **10/18/2021**	RunNo: **70620**
Client ID: **CCV**	Batch ID: **34051**		Analysis Date: **10/18/2021**	SeqNo: **1435572**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	101	1.20	100.0	0	101	90	110				
Copper	97.2	10.0	100.0	0	97.2	90	110				

Sample ID: **CCB-34051A**	SampType: **CCB**	Units: **µg/L**	Prep Date: **10/18/2021**	RunNo: **70620**
Client ID: **CCB**	Batch ID: **34051**		Analysis Date: **10/18/2021**	SeqNo: **1435573**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Copper	ND	10.0									

Work Order: 2110219
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **MB-34051**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **10/15/2021**	RunNo: **70620**
Client ID: **MBLKS**	Batch ID: **34051**		Analysis Date: **10/18/2021**	SeqNo: **1435574**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0938									
Copper	ND	0.781									

Sample ID: **LCS-34051**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **10/15/2021**	RunNo: **70620**
Client ID: **LCSS**	Batch ID: **34051**		Analysis Date: **10/18/2021**	SeqNo: **1435575**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	38.2	0.0960	40.00	0	95.4	80	120				
Copper	39.0	0.800	40.00	0	97.6	80	120				

Sample ID: **CCV-34051B**	SampType: **CCV**	Units: **µg/L**	Prep Date: **10/18/2021**	RunNo: **70620**
Client ID: **CCV**	Batch ID: **34051**		Analysis Date: **10/18/2021**	SeqNo: **1435577**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	104	1.20	100.0	0	104	90	110				
Copper	96.2	10.0	100.0	0	96.2	90	110				

Sample ID: **CCB-34051B**	SampType: **CCB**	Units: **µg/L**	Prep Date: **10/18/2021**	RunNo: **70620**
Client ID: **CCB**	Batch ID: **34051**		Analysis Date: **10/18/2021**	SeqNo: **1435578**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Copper	ND	10.0									

Work Order: 2110219
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **2110219-001AMS**	SampType: **MS**			Units: **mg/Kg-dry**	Prep Date: **10/15/2021**			RunNo: **70620**			
Client ID: **A6-SIDE5:2**	Batch ID: **34051**				Analysis Date: **10/18/2021**			SeqNo: **1435580**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	62.6	0.127	53.07	8.988	101	75	125				
Copper	77.3	1.06	53.07	30.53	88.2	75	125				

Sample ID: **2110219-001AMSD**	SampType: **MSD**			Units: **mg/Kg-dry**	Prep Date: **10/15/2021**			RunNo: **70620**			
Client ID: **A6-SIDE5:2**	Batch ID: **34051**				Analysis Date: **10/18/2021**			SeqNo: **1435581**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	61.0	0.127	53.07	8.988	98.0	75	125	62.59	2.60	20	
Copper	80.3	1.06	53.07	30.53	93.7	75	125	77.34	3.71	20	

Sample ID: **CCV-34051C**	SampType: **CCV**			Units: **µg/L**	Prep Date: **10/18/2021**			RunNo: **70620**			
Client ID: **CCV**	Batch ID: **34051**				Analysis Date: **10/18/2021**			SeqNo: **1435589**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	108	1.20	100.0	0	108	90	110				
Copper	99.4	10.0	100.0	0	99.4	90	110				

Sample ID: **CCB-34051C**	SampType: **CCB**			Units: **µg/L**	Prep Date: **10/18/2021**			RunNo: **70620**			
Client ID: **CCB**	Batch ID: **34051**				Analysis Date: **10/18/2021**			SeqNo: **1435590**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Copper	ND	10.0									

Work Order: 2110219
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-34051D** SampType: **CCV** Units: **µg/L** Prep Date: **10/18/2021** RunNo: **70620**
Client ID: **CCV** Batch ID: **34051** Analysis Date: **10/18/2021** SeqNo: **1435601**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	109	1.20	100.0	0	109	90	110				
Copper	97.8	10.0	100.0	0	97.8	90	110				

Sample ID: **CCB-34051D** SampType: **CCB** Units: **µg/L** Prep Date: **10/18/2021** RunNo: **70620**
Client ID: **CCB** Batch ID: **34051** Analysis Date: **10/18/2021** SeqNo: **1435602**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Copper	ND	10.0									

Sample ID: **CCV-34051E** SampType: **CCV** Units: **µg/L** Prep Date: **10/18/2021** RunNo: **70620**
Client ID: **CCV** Batch ID: **34051** Analysis Date: **10/18/2021** SeqNo: **1435606**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	106	1.20	100.0	0	106	90	110				
Copper	95.5	10.0	100.0	0	95.5	90	110				

Sample ID: **CCB-34051E** SampType: **CCB** Units: **µg/L** Prep Date: **10/18/2021** RunNo: **70620**
Client ID: **CCB** Batch ID: **34051** Analysis Date: **10/18/2021** SeqNo: **1435607**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Copper	ND	10.0									

Work Order: 2110219
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **ICB-34051A** SampType: **ICB** Units: **µg/L** Prep Date: **10/19/2021** RunNo: **70620**
Client ID: **ICB** Batch ID: **34051** Analysis Date: **10/19/2021** SeqNo: **1435851**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Copper	ND	10.0									

Sample ID: **ICV-34051A** SampType: **ICV** Units: **µg/L** Prep Date: **10/19/2021** RunNo: **70620**
Client ID: **ICV** Batch ID: **34051** Analysis Date: **10/19/2021** SeqNo: **1435854**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	105	1.20	100.0	0	105	90	110				
Copper	100	10.0	100.0	0	100	90	110				

Sample ID: **CCV-34051F** SampType: **CCV** Units: **µg/L** Prep Date: **10/19/2021** RunNo: **70620**
Client ID: **CCV** Batch ID: **34051** Analysis Date: **10/19/2021** SeqNo: **1435867**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	103	1.20	100.0	0	103	90	110				
Copper	101	10.0	100.0	0	101	90	110				

Sample ID: **CCB-34051F** SampType: **CCB** Units: **µg/L** Prep Date: **10/19/2021** RunNo: **70620**
Client ID: **CCB** Batch ID: **34051** Analysis Date: **10/19/2021** SeqNo: **1435868**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Copper	ND	10.0									

Work Order: 2110219
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-34051G** SampType: **CCV** Units: **µg/L** Prep Date: **10/19/2021** RunNo: **70620**
Client ID: **CCV** Batch ID: **34051** Analysis Date: **10/19/2021** SeqNo: **1435878**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	109	1.20	100.0	0	109	90	110				
Copper	101	10.0	100.0	0	101	90	110				

Sample ID: **CCB-34051G** SampType: **CCB** Units: **µg/L** Prep Date: **10/19/2021** RunNo: **70620**
Client ID: **CCB** Batch ID: **34051** Analysis Date: **10/19/2021** SeqNo: **1435879**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.20									
Copper	ND	10.0									

Work Order: 2110219
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **CAL MIDPOINT** SampType: **CCV** Units: **µg/L** Prep Date: **8/23/2021** RunNo: **70629**
Client ID: **CCV** Batch ID: **34065** Analysis Date: **8/23/2021** SeqNo: **1435916**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,000	20.0	1,000	0	100	80	120				
Chrysene	1,010	40.0	1,000	0	101	80	120				
Benzo(b)fluoranthene	920	20.0	1,000	0	92.0	80	120				
Benzo(k)fluoranthene	1,100	20.0	1,000	0	110	80	120				
Benzo(a)pyrene	1,000	20.0	1,000	0	100	80	120				
Indeno(1,2,3-cd)pyrene	1,010	40.0	1,000	0	101	80	120				
Dibenz(a,h)anthracene	1,010	40.0	1,000	0	101	80	120				
Surr: 2-Fluorobiphenyl	502		500.0		100	69.5	150				
Surr: Terphenyl-d14 (surr)	506		500.0		101	71.6	145				

Sample ID: **PAH ICB** SampType: **ICB** Units: **µg/L** Prep Date: **8/23/2021** RunNo: **69441**
Client ID: **ICB** Batch ID: **34065** Analysis Date: **8/23/2021** SeqNo: **1406963**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	20.0									
2-Methylnaphthalene	ND	20.0									
1-Methylnaphthalene	ND	20.0									
2-Chloronaphthalene	ND	20.0									
Acenaphthene	ND	20.0									
Dimethyl phthalate	ND	50.0									
Acenaphthylene	ND	20.0									
Dibenzofuran	ND	40.0									
Fluorene	ND	20.0									
Diethyl phthalate	ND	20.0									
Pentachlorophenol	ND	80.0									
Phenanthrene	ND	40.0									
Anthracene	ND	40.0									
Carbazole	ND	20.0									
Di-n-butyl phthalate	ND	40.0									
Fluoranthene	ND	40.0									

Work Order: 2110219
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **PAH ICB** SampType: **ICB** Units: **µg/L** Prep Date: **8/23/2021** RunNo: **69441**
Client ID: **ICB** Batch ID: **34065** Analysis Date: **8/23/2021** SeqNo: **1406963**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pyrene	ND	40.0									
Butylbenzylphthalate	ND	20.0									
Benz(a)anthracene	ND	20.0									
Chrysene	ND	40.0									
Bis(2-ethylhexyl) phthalate	ND	20.0									
Di-n-octyl phthalate	ND	20.0									
Benzo(b)fluoranthene	ND	20.0									
Benzo(k)fluoranthene	ND	20.0									
Benzo(a)pyrene	ND	20.0									
Indeno(1,2,3-cd)pyrene	ND	40.0									
Dibenz(a,h)anthracene	ND	40.0									
Benzo(g,h,i)perylene	ND	20.0									
Surr: 2,4,6-Tribromophenol	927		1,000		92.7	14	136				
Surr: 2-Fluorobiphenyl	474		500.0		94.8	50.4	142				
Surr: Terphenyl-d14 (surr)	505		500.0		101	48.8	157				

Sample ID: **PAH ICV** SampType: **ICV** Units: **µg/L** Prep Date: **8/23/2021** RunNo: **69441**
Client ID: **ICV** Batch ID: **34065** Analysis Date: **8/23/2021** SeqNo: **1406964**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,020	20.0	1,000	0	102	70	130				
2-Methylnaphthalene	1,020	20.0	1,000	0	102	70	130				
1-Methylnaphthalene	1,040	20.0	1,000	0	104	70	130				
2-Chloronaphthalene	1,040	20.0	1,000	0	104	70	130				
Acenaphthene	979	20.0	1,000	0	97.9	70	130				
Dimethyl phthalate	1,040	50.0	1,000	0	104	70	130				
Acenaphthylene	1,040	20.0	1,000	0	104	70	130				
Dibenzofuran	1,040	40.0	1,000	0	104	70	130				
Fluorene	1,040	20.0	1,000	0	104	70	130				
Diethyl phthalate	1,040	20.0	1,000	0	104	70	130				

Work Order: 2110219
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **PAH ICV** SampType: **ICV** Units: **µg/L** Prep Date: **8/23/2021** RunNo: **69441**
Client ID: **ICV** Batch ID: **34065** Analysis Date: **8/23/2021** SeqNo: **1406964**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	991	80.0	1,000	0	99.1	70	130				
Phenanthrene	1,020	40.0	1,000	0	102	70	130				
Anthracene	1,030	40.0	1,000	0	103	70	130				
Carbazole	1,050	20.0	1,000	0	105	70	130				
Di-n-butyl phthalate	1,040	40.0	1,000	0	104	70	130				
Fluoranthene	1,040	40.0	1,000	0	104	70	130				
Pyrene	1,030	40.0	1,000	0	103	70	130				
Butylbenzylphthalate	1,040	20.0	1,000	0	104	70	130				
Benz(a)anthracene	1,030	20.0	1,000	0	103	70	130				
Chrysene	1,040	40.0	1,000	0	104	70	130				
Bis(2-ethylhexyl) phthalate	1,040	20.0	1,000	0	104	70	130				
Di-n-octyl phthalate	1,040	20.0	1,000	0	104	70	130				
Benzo(b)fluoranthene	1,080	20.0	1,000	0	108	70	130				
Benzo(k)fluoranthene	1,040	20.0	1,000	0	104	70	130				
Benzo(a)pyrene	1,150	20.0	1,000	0	115	70	130				
Indeno(1,2,3-cd)pyrene	1,040	40.0	1,000	0	104	70	130				
Dibenz(a,h)anthracene	1,050	40.0	1,000	0	105	70	130				
Benzo(g,h,i)perylene	1,060	20.0	1,000	0	106	70	130				
Surr: 2,4,6-Tribromophenol	1,040		1,000		104	67.8	127				
Surr: 2-Fluorobiphenyl	524		500.0		105	60.9	160				
Surr: Terphenyl-d14 (surr)	524		500.0		105	62.2	159				

Sample ID: **CCV-34065A** SampType: **CCV** Units: **µg/L** Prep Date: **10/15/2021** RunNo: **70629**
Client ID: **CCV** Batch ID: **34065** Analysis Date: **10/15/2021** SeqNo: **1435896**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	948	20.0	1,000	0	94.8	80	120				
Chrysene	922	40.0	1,000	0	92.2	80	120				
Benzo(b)fluoranthene	939	20.0	1,000	0	93.9	80	120				
Benzo(k)fluoranthene	890	20.0	1,000	0	89.0	80	120				

Work Order: 2110219
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **CCV-34065A**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/15/2021**		RunNo: **70629**			
Client ID: **CCV**	Batch ID: **34065**					Analysis Date: **10/15/2021**		SeqNo: **1435896**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	904	20.0	1,000	0	90.4	80	120				
Indeno(1,2,3-cd)pyrene	929	40.0	1,000	0	92.9	80	120				
Dibenz(a,h)anthracene	924	40.0	1,000	0	92.4	80	120				
Surr: 2-Fluorobiphenyl	440		500.0		88.0	69.5	150				
Surr: Terphenyl-d14 (surr)	464		500.0		92.8	71.6	145				

Sample ID: **MB-34065**	SampType: **MBLK**			Units: **µg/Kg**		Prep Date: **10/15/2021**		RunNo: **70629**			
Client ID: **MBLKS**	Batch ID: **34065**					Analysis Date: **10/15/2021**		SeqNo: **1435897**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	ND	20.0									
Chrysene	ND	40.0									
Benzo(b)fluoranthene	ND	20.0									
Benzo(k)fluoranthene	ND	20.0									
Benzo(a)pyrene	ND	20.0									
Indeno(1,2,3-cd)pyrene	ND	40.0									
Dibenz(a,h)anthracene	ND	40.0									
Surr: 2-Fluorobiphenyl	887		1,000		88.7	27.9	129				
Surr: Terphenyl-d14 (surr)	1,170		1,000		117	39.1	145				

Sample ID: **LCS-34065**	SampType: **LCS**			Units: **µg/Kg**		Prep Date: **10/15/2021**		RunNo: **70629**			
Client ID: **LCSS**	Batch ID: **34065**					Analysis Date: **10/15/2021**		SeqNo: **1435898**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	2,250	20.0	2,000	0	112	64.4	113				
Chrysene	2,140	40.0	2,000	0	107	57.3	113				
Benzo(b)fluoranthene	2,040	20.0	2,000	0	102	58.2	115				
Benzo(k)fluoranthene	2,250	20.0	2,000	0	113	53.4	121				
Benzo(a)pyrene	2,290	20.0	2,000	0	114	64.7	125				

Work Order: 2110219
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **LCS-34065** SampType: **LCS** Units: **µg/Kg** Prep Date: **10/15/2021** RunNo: **70629**
Client ID: **LCSS** Batch ID: **34065** Analysis Date: **10/15/2021** SeqNo: **1435898**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	2,070	40.0	2,000	0	103	61.6	113				
Dibenz(a,h)anthracene	2,160	40.0	2,000	0	108	62.1	116				
Surr: 2-Fluorobiphenyl	886		1,000		88.6	27.9	129				
Surr: Terphenyl-d14 (surr)	1,150		1,000		115	39.1	145				

Sample ID: **2110219-006AMS** SampType: **MS** Units: **µg/Kg-dry** Prep Date: **10/15/2021** RunNo: **70629**
Client ID: **A2-SIDE9:3** Batch ID: **34065** Analysis Date: **10/15/2021** SeqNo: **1435901**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	47,300	20.2	2,022	4,035	2,140	45	110				S
Chrysene	ND	40.4	2,022	4,175	-206	42.4	106				S
Benzo(b)fluoranthene	35,200	20.2	2,022	2,784	1,600	43.7	108				S
Benzo(k)fluoranthene	25,800	20.2	2,022	3,407	1,110	39.5	113				S
Benzo(a)pyrene	54,100	20.2	2,022	4,281	2,460	44.1	122				S
Indeno(1,2,3-cd)pyrene	15,200	40.4	2,022	2,105	648	40.2	109				S
Dibenz(a,h)anthracene	9,560	40.4	2,022	1,157	416	31.4	126				S
Surr: 2-Fluorobiphenyl	701		1,011		69.3	27.9	129				
Surr: Terphenyl-d14 (surr)	1,050		1,011		104	39.1	145				

NOTES:
S - Analyte concentration was too high for accurate spike recovery(ies).

Sample ID: **2110219-006AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **10/15/2021** RunNo: **70629**
Client ID: **A2-SIDE9:3** Batch ID: **34065** Analysis Date: **10/15/2021** SeqNo: **1435902**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	3,820	20.4	2,040	4,035	-10.4	45	110	47,270	170	30	RS
Chrysene	3,900	40.8	2,040	4,175	-13.5	42.4	106	0	200	30	S
Benzo(b)fluoranthene	3,630	20.4	2,040	2,784	41.7	43.7	108	35,150	163	30	RS
Benzo(k)fluoranthene	3,110	20.4	2,040	3,407	-14.5	39.5	113	25,780	157	30	RS
Benzo(a)pyrene	4,180	20.4	2,040	4,281	-5.11	44.1	122	54,070	171	30	RS

Work Order: 2110219
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **2110219-006AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **10/15/2021** RunNo: **70629**
Client ID: **A2-SIDE9:3** Batch ID: **34065** Analysis Date: **10/15/2021** SeqNo: **1435902**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	2,820	40.8	2,040	2,105	34.9	40.2	109	15,210	137	30	RS
Dibenz(a,h)anthracene	2,400	40.8	2,040	1,157	61.0	31.4	126	9,561	120	30	R
Surr: 2-Fluorobiphenyl	766		1,020		75.1	27.9	129		0		
Surr: Terphenyl-d14 (surr)	947		1,020		92.8	39.1	145		0		

NOTES:
S - Analyte concentration was too high for accurate spike recovery(ies).
R - High RPD indicates matrix interference.

Sample ID: **CCV-34065B** SampType: **CCV** Units: **µg/L** Prep Date: **10/19/2021** RunNo: **70629**
Client ID: **CCV** Batch ID: **34065** Analysis Date: **10/19/2021** SeqNo: **1435911**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	894	20.0	1,000	0	89.4	80	120				
Chrysene	824	40.0	1,000	0	82.4	80	120				
Benzo(b)fluoranthene	860	20.0	1,000	0	86.0	80	120				
Benzo(k)fluoranthene	849	20.0	1,000	0	84.9	80	120				
Benzo(a)pyrene	860	20.0	1,000	0	86.0	80	120				
Indeno(1,2,3-cd)pyrene	934	40.0	1,000	0	93.4	80	120				
Dibenz(a,h)anthracene	927	40.0	1,000	0	92.7	80	120				
Surr: 2-Fluorobiphenyl	436		500.0		87.2	69.5	150				
Surr: Terphenyl-d14 (surr)	440		500.0		87.9	71.6	145				

Work Order: 2110219
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1660 ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICB**	Batch ID: **34064**		Analysis Date: **9/30/2021**	SeqNo: **1425542**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1260	ND	0.0500									
Surr: Decachlorobiphenyl	216		200.0		108	50.2	159				
Surr: Tetrachloro-m-xylene	188		200.0		94.0	60.3	134				

Sample ID: **1660 ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICV**	Batch ID: **34064**		Analysis Date: **9/30/2021**	SeqNo: **1425544**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.845	0.0500	1.000	0	84.5	80	120				
Aroclor 1260	0.810	0.0500	1.000	0	81.0	80	120				
Surr: Decachlorobiphenyl	162		200.0		81.0	30.2	155				
Surr: Tetrachloro-m-xylene	160		200.0		79.9	58.8	143				

Sample ID: **1254 ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICB**	Batch ID: **34064**		Analysis Date: **9/30/2021**	SeqNo: **1425552**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	ND	0.0500									
Surr: Decachlorobiphenyl	219		200.0		110	50.2	159				
Surr: Tetrachloro-m-xylene	214		200.0		107	60.3	134				

Sample ID: **1254 ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICV**	Batch ID: **34064**		Analysis Date: **9/30/2021**	SeqNo: **1425553**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.08	0.0500	1.000	0	108	80	120				
Surr: Decachlorobiphenyl	204		200.0		102	30.2	155				
Surr: Tetrachloro-m-xylene	203		200.0		101	58.8	143				

Work Order: 2110219
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1254 ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICV**	Batch ID: **34064**		Analysis Date: **9/30/2021**	SeqNo: **1425553**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **1660-CCV-34064A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/19/2021**	RunNo: **70653**
Client ID: **CCV**	Batch ID: **34064**		Analysis Date: **10/19/2021**	SeqNo: **1436567**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.05	0.0500	1.000	0	105	80	120				
Aroclor 1260	0.960	0.0500	1.000	0	96.0	80	120				
Surr: Decachlorobiphenyl	237		200.0		118	30.2	155				
Surr: Tetrachloro-m-xylene	243		200.0		121	58.8	143				

Sample ID: **1254-CCV-34064A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/19/2021**	RunNo: **70653**
Client ID: **CCV**	Batch ID: **34064**		Analysis Date: **10/19/2021**	SeqNo: **1436554**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.13	0.0500	1.000	0	113	80	120				
Surr: Decachlorobiphenyl	233		200.0		116	30.2	155				
Surr: Tetrachloro-m-xylene	245		200.0		123	58.8	143				

Sample ID: **MB-34064**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **10/15/2021**	RunNo: **70653**
Client ID: **MBLKS**	Batch ID: **34064**		Analysis Date: **10/19/2021**	SeqNo: **1436568**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1221	ND	0.0500									
Aroclor 1232	ND	0.0500									
Aroclor 1242	ND	0.0500									
Aroclor 1248	ND	0.0500									
Aroclor 1254	ND	0.0500									
Aroclor 1260	ND	0.0500									

Work Order: 2110219
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **MB-34064** SampType: **MBLK** Units: **mg/Kg** Prep Date: **10/15/2021** RunNo: **70653**
Client ID: **MBLKS** Batch ID: **34064** Analysis Date: **10/19/2021** SeqNo: **1436568**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1262	ND	0.0500									
Aroclor 1268	ND	0.0500									
Total PCBs	ND	0.0500									
Surr: Decachlorobiphenyl	234		200.0		117	20.6	142				
Surr: Tetrachloro-m-xylene	218		200.0		109	22	157				

Sample ID: **LCS1-34064** SampType: **LCS** Units: **mg/Kg** Prep Date: **10/15/2021** RunNo: **70653**
Client ID: **LCSS** Batch ID: **34064** Analysis Date: **10/19/2021** SeqNo: **1436569**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.25	0.0500	1.000	0	125	52.2	136				
Aroclor 1260	1.12	0.0500	1.000	0	112	50.5	150				
Surr: Decachlorobiphenyl	231		200.0		115	20.6	142				
Surr: Tetrachloro-m-xylene	238		200.0		119	22	157				

Sample ID: **LCS2-34064** SampType: **LCS** Units: **mg/Kg** Prep Date: **10/15/2021** RunNo: **70653**
Client ID: **LCSS** Batch ID: **34064** Analysis Date: **10/19/2021** SeqNo: **1436555**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.14	0.0500	1.000	0	114	48.1	147				
Surr: Decachlorobiphenyl	217		200.0		109	20.6	142				
Surr: Tetrachloro-m-xylene	252		200.0		126	22	157				

Sample ID: **2110219-003AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **10/15/2021** RunNo: **70653**
Client ID: **A3-SIDE28:3** Batch ID: **34064** Analysis Date: **10/19/2021** SeqNo: **1436570**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.05	0.0433	0.8654	0	121	38.6	146				
Aroclor 1260	0.919	0.0433	0.8654	0	106	24.6	161				

Work Order: 2110219
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **2110219-003AMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **10/15/2021**	RunNo: **70653**
Client ID: **A3-SIDE28:3**	Batch ID: **34064**		Analysis Date: **10/19/2021**	SeqNo: **1436570**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	150		173.1		86.8	20.6	142				
Surr: Tetrachloro-m-xylene	169		173.1		97.6	22	157				

Sample ID: **2110219-003AMSD**	SampType: **MSD**	Units: **mg/Kg-dry**	Prep Date: **10/15/2021**	RunNo: **70653**
Client ID: **A3-SIDE28:3**	Batch ID: **34064**		Analysis Date: **10/19/2021**	SeqNo: **1436571**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.964	0.0397	0.7941	0	121	38.6	146	1.046	8.22	30	
Aroclor 1260	0.872	0.0397	0.7941	0	110	24.6	161	0.9191	5.24	30	
Surr: Decachlorobiphenyl	109		158.8		68.6	20.6	142		0		
Surr: Tetrachloro-m-xylene	118		158.8		74.1	22	157		0		

Sample ID: **1660-CCV-34064B**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/19/2021**	RunNo: **70653**
Client ID: **CCV**	Batch ID: **34064**		Analysis Date: **10/19/2021**	SeqNo: **1436572**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.04	0.0500	1.000	0	104	80	120				
Aroclor 1260	0.965	0.0500	1.000	0	96.5	80	120				
Surr: Decachlorobiphenyl	258		200.0		129	30.2	155				
Surr: Tetrachloro-m-xylene	245		200.0		123	58.8	143				

Sample ID: **1254-CCV-34064B**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/19/2021**	RunNo: **70653**
Client ID: **CCV**	Batch ID: **34064**		Analysis Date: **10/19/2021**	SeqNo: **1436573**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.17	0.0500	1.000	0	117	80	120				
Surr: Decachlorobiphenyl	227		200.0		114	30.2	155				
Surr: Tetrachloro-m-xylene	246		200.0		123	58.8	143				

Work Order: 2110219
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **ICB GX**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **10/12/2021**	RunNo: **70535**
Client ID: **ICB**	Batch ID: **34069**		Analysis Date: **10/12/2021**	SeqNo: **1432773**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	16.0	5.00									
Surr: Toluene-d8	24.5		25.00		98.1	65	135				
Surr: 4-Bromofluorobenzene	23.6		25.00		94.3	65	135				

Sample ID: **ICV GX 25738**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **10/12/2021**	RunNo: **70535**
Client ID: **ICV**	Batch ID: **34069**		Analysis Date: **10/12/2021**	SeqNo: **1432774**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	559	5.00	500.0	0	112	80	120				
Surr: Toluene-d8	25.3		25.00		101	65	135				
Surr: 4-Bromofluorobenzene	25.9		25.00		104	65	135				

Sample ID: **CCV-34069A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/15/2021**	RunNo: **70606**
Client ID: **CCV**	Batch ID: **34069**		Analysis Date: **10/15/2021**	SeqNo: **1435232**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	431	5.00	500.0	0	86.3	80	120				
Surr: Toluene-d8	25.3		25.00		101	65	135				
Surr: 4-Bromofluorobenzene	25.0		25.00		100	65	135				

Sample ID: **LCS-34069**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **10/15/2021**	RunNo: **70606**
Client ID: **LCSS**	Batch ID: **34069**		Analysis Date: **10/15/2021**	SeqNo: **1435233**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	26.8	5.00	25.00	0	107	65	135				
Surr: Toluene-d8	1.29		1.250		103	65	135				
Surr: 4-Bromofluorobenzene	1.24		1.250		99.0	65	135				

Work Order: 2110219
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **MB-34069**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **10/15/2021**	RunNo: **70606**
Client ID: **MBLKS**	Batch ID: **34069**		Analysis Date: **10/15/2021**	SeqNo: **1435234**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.27		1.250		102	65	135				
Surr: 4-Bromofluorobenzene	1.16		1.250		93.1	65	135				

Sample ID: **2110204-001BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **10/15/2021**	RunNo: **70606**
Client ID: **BATCH**	Batch ID: **34069**		Analysis Date: **10/15/2021**	SeqNo: **1435216**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	1,350	66.4						1,246	8.05	30	D
Surr: Toluene-d8	17.6		16.59		106	65	135		0		D
Surr: 4-Bromofluorobenzene	43.1		16.59		260	65	135		0		DS

NOTES:
S - Outlying surrogate recovery attributed to TPH interference.

Sample ID: **2110214-008BMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **10/15/2021**	RunNo: **70606**
Client ID: **BATCH**	Batch ID: **34069**		Analysis Date: **10/16/2021**	SeqNo: **1435225**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	7.19	6.59	32.93	0	21.8	65	135				S
Surr: Toluene-d8	1.68		1.647		102	65	135				
Surr: 4-Bromofluorobenzene	1.57		1.647		95.4	65	135				

NOTES:
S - Outlying spike recoveries were associated with this sample.

Sample ID: **2110219-003BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **10/15/2021**	RunNo: **70606**
Client ID: **A3-SIDE28:3**	Batch ID: **34069**		Analysis Date: **10/16/2021**	SeqNo: **1435228**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	2.25	5.34						0	200	30	J
Surr: Toluene-d8	1.36		1.335		102	65	135		0		
Surr: 4-Bromofluorobenzene	1.24		1.335		92.6	65	135		0		

Work Order: 2110219
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **2110219-003BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **10/15/2021**	RunNo: **70606**
Client ID: **A3-SIDE28:3**	Batch ID: **34069**		Analysis Date: **10/16/2021**	SeqNo: **1435228**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **CCV-34054B**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/16/2021**	RunNo: **70606**
Client ID: **CCV**	Batch ID: **34069**		Analysis Date: **10/16/2021**	SeqNo: **1435231**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	411	5.00	500.0	0	82.2	80	120				
Surr: Toluene-d8	25.1		25.00		101	65	135				
Surr: 4-Bromofluorobenzene	25.4		25.00		102	65	135				

Sample ID: **CCV-34069C**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/18/2021**	RunNo: **70606**
Client ID: **CCV**	Batch ID: **34069**		Analysis Date: **10/18/2021**	SeqNo: **1435780**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	568	5.00	500.0	0	114	80	120				
Surr: Toluene-d8	25.9		25.00		104	65	135				
Surr: 4-Bromofluorobenzene	25.4		25.00		101	65	135				

Sample ID: **CCV-34069D**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/19/2021**	RunNo: **70606**
Client ID: **CCV**	Batch ID: **34069**		Analysis Date: **10/19/2021**	SeqNo: **1435781**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	573	5.00	500.0	0	115	80	120				
Surr: Toluene-d8	25.5		25.00		102	65	135				
Surr: 4-Bromofluorobenzene	25.2		25.00		101	65	135				

Sample Log-In Check List

Client Name:	**SW**	Work Order Number:	**2110219**
Logged by:	**Gabrielle Coeuille**	Date Received:	**10/14/2021 5:21:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes	☑	No ☐	Not Present	☐
2.	How was the sample delivered?	Client				

Log In

3.	Coolers are present?	Yes	☑	No ☐	NA	☐
4.	Shipping container/cooler in good condition?	Yes	☑	No ☐		
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes	☐	No ☐	Not Present	☑
6.	Was an attempt made to cool the samples?	Yes	☑	No ☐	NA	☐
7.	Were all items received at a temperature of >2°C to 6°C *	Yes	☑	No ☐	NA	☐
8.	Sample(s) in proper container(s)?	Yes	☑	No ☐		
9.	Sufficient sample volume for indicated test(s)?	Yes	☑	No ☐		
10.	Are samples properly preserved?	Yes	☑	No ☐		
11.	Was preservative added to bottles?	Yes	☐	No ☑	NA	☐
12.	Is there headspace in the VOA vials?	Yes	☐	No ☐	NA	☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes	☑	No ☐		
14.	Does paperwork match bottle labels?	Yes	☑	No ☐		
15.	Are matrices correctly identified on Chain of Custody?	Yes	☑	No ☐		
16.	Is it clear what analyses were requested?	Yes	☑	No ☐		
17.	Were all holding times able to be met?	Yes	☑	No ☐		

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes	☐	No ☐	NA	☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	3.9

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 10/14/21 Page: 1 of: 2

Laboratory Project No (internal): 2110219

Project Name: 8801-Excavations

Special Remarks: Refer to project methods, and analytes list.

Project No: 103485

Client: Shannon & Wilson

Collected by: Ryan Peterson

Address: 400 N. 34th Street, Suite 100

Location: Tukwila, WA

City, State, Zip: Seattle, WA 98103

Report To (PM): Ryan Peterson

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Telephone:

PM Email: RBP@shanwil.com

Fax:

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	arsenic	copper	cPAH	Comments
1	A6-SIDE5:2	10/14	1150	S	1											X				
2	TRIP-20211014	—	—	—	1		X													
3	A3-SIDE28:3	10/14	1520	S	3		X					X					X			
4	A3-SIDE24:2.5		1517		3		X					X					X			
5	A3-SIDE101:3		1600		3		X					X					X			
6	A2-SIDE9:3		1610		1													X		
7	A2-SIDE10:3		1625		1													X		
8	A2-SIDE10:6		1627		1													X		strong odor
9	A2-SIDE12:2		1615		1													X		
10	A2-SIDE14:1.5	↓	1620	↓	1													X		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☒ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Kristen Peterson	10/14/21 1706	x	Alex Trejo	10-14-21 17:21
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 10/14/21 Page: 2 of: 2

Laboratory Project No (internal): 2110219

Project Name: 8801 - Excavation

Special Remarks: Refer to project methods and analytes list.

Project No: 103485

Client: Shannon & Wilson

Collected by: Ryan Peterson

Address: 400 N. 34th St. Suite 100

Location: Tukwila, WA

City, State, Zip: Seattle, WA 98103

Report To (PM): Ryan Peterson

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Telephone:

PM Email: RSP@shanwil.com

Fax:

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	cPAHs				Comments
1	A2-SIDE 10:3	10/14	1700	S	1											X					
2	A2-BOT 5:4	↓	1630	S	1											X					
3	A2-BOT 6:7	↓	1632	S	1											X					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	RYAN PETERSON	10/14/21 1700	x	Alex Trejo	10-14-21 17:21
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

DATA SET for Review -- Deliverable Requirements

Gasoline by NWTPH-Gx

Fremont Analytical Work Order No. 2110219

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Injection Log

Data Directory: D:\GC-27\DATA\101121\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	101101.D	8260B-0206-1.M			
CLEANOUT MeOH		O-VOC-W	1	1.000	11 Oct 2021 11:01 am
2)	101102.D	8260B-0206-1.M			
CLEANOUT MeOH		O-VOC-W	2	1.000	11 Oct 2021 11:31 am
3)	101103.D	8260B-0206-1.M			
CLEANOUT MeOH		O-VOC-W	3	1.000	11 Oct 2021 12:01 pm
4)	101104.D	8260B-0206-1.M			
CLEANOUT MeOH		O-VOC-S	1	1.000	11 Oct 2021 12:32 pm
5)	101105.D	8260B-0206-1.M			
CLEANOUT MeOH		O-VOC-S	2	1.000	11 Oct 2021 01:02 pm
6)	101106.D	8260B-0206-1.M			
CLEANOUT MeOH		O-VOC-S	3	1.000	11 Oct 2021 01:32 pm
7)	101107.D	8260B-0206-1.M			
VOC SOIL CAL1 26011		O-VOC-S	4	1.000	11 Oct 2021 02:02 pm
8)	101108.D	8260B-0206-1.M			
VOC SOIL CAL2		O-VOC-S	5	1.000	11 Oct 2021 02:32 pm
9)	101109.D	8260B-0206-1.M			
VOC SOIL CAL3		O-VOC-S	6	1.000	11 Oct 2021 03:02 pm
10)	101110.D	8260B-0206-1.M			
VOC SOIL CAL4		O-VOC-S	7	1.000	11 Oct 2021 03:32 pm
11)	101111.D	8260B-0206-1.M			
VOC SOIL CAL5		O-VOC-S	8	1.000	11 Oct 2021 04:02 pm
12)	101112.D	8260B-0206-1.M			
VOC SOIL CAL6		O-VOC-S	9	1.000	11 Oct 2021 04:33 pm
13)	101113.D	8260B-0206-1.M			
VOC SOIL CAL7		O-VOC-S	10	1.000	11 Oct 2021 05:03 pm
14)	101114.D	8260B-0206-1.M			
VOC SOIL CAL8		O-VOC-S	11	1.000	11 Oct 2021 05:33 pm
15)	101115.D	8260B-0206-1.M			
CLEANOUT MeOH		O-VOC-S	12	1.000	11 Oct 2021 06:03 pm
16)	101116.D	8260B-0206-1.M			
ICB SOIL		O-VOC-S	13	1.000	11 Oct 2021 06:33 pm
17)	101117.D	8260B-0206-1.M			
ICV VOC SOIL 25964		O-VOC-S	14	1.000	11 Oct 2021 07:03 pm
18)	101118.D	8260B-0206-1.M			
CLEANOUT MeOH		O-VOC-GX-S	12	1.000	11 Oct 2021 07:33 pm
19)	101119.D	8260B-0206-1.M			
GX CAL1 25972		O-VOC-GX-S	15	1.000	11 Oct 2021 08:03 pm
20)	101120.D	8260B-0206-1.M			
GX CAL2		O-VOC-GX-S	16	1.000	11 Oct 2021 08:34 pm
21)	101121.D	8260B-0206-1.M			
GX CAL3		O-VOC-GX-S	17	1.000	11 Oct 2021 09:04 pm

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 22) 101122.D              8260B-0206-1.M
GX CAL4              O-VOC-GX-S            18    1.000     11 Oct 2021  09:34 pm
  ----------------------------------------------------------------------------
 23) 101123.D              8260B-0206-1.M
GX CAL5              O-VOC-GX-S            19    1.000     11 Oct 2021  10:04 pm
  ----------------------------------------------------------------------------
 24) 101124.D              8260B-0206-1.M
GX CAL6              O-VOC-GX-S            20    1.000     11 Oct 2021  10:34 pm
  ----------------------------------------------------------------------------
 25) 101125.D              8260B-0206-1.M
GX CAL7              O-VOC-GX-S            21    1.000     11 Oct 2021  11:04 pm
  ----------------------------------------------------------------------------
 26) 101126.D              8260B-0206-1.M
CLEANOUT MeOH        O-VOC-GX-S            13    1.000     11 Oct 2021  11:34 pm
  ----------------------------------------------------------------------------
 27) 101127.D              8260B-0206-1.M
ICB GX               O-VOC-GX-S            22    1.000     12 Oct 2021  12:04 am
  ----------------------------------------------------------------------------
 28) 101128.D              8260B-0206-1.M
ICV GX 25738         O-VOC-GX-S            23    1.000     12 Oct 2021  12:35 am
  ----------------------------------------------------------------------------
```

Injection Log

Data Directory: D:\GC-27\DATA\101521\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	101501.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S		1	1.000	15 Oct 2021 05:16 pm
2)	101502.D	8260B-0206-1.M			
CCV-34069A_LCS-340..	O-VOC-S		2	1.000	15 Oct 2021 05:46 pm
3)	101503.D	8260B-0206-1.M			
CCV-34069A GX	O-VOC-GX-S		3	1.000	15 Oct 2021 06:16 pm
4)	101504.D	8260B-0206-1.M			
LCS-34069 GX	O-VOC-GX-S		4	1.000	15 Oct 2021 06:46 pm
5)	101505.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S		1	1.000	15 Oct 2021 07:16 pm
6)	101506.D	8260B-0206-1.M			
MB-34069	O-VOC-S		5	1.000	15 Oct 2021 07:46 pm
7)	101507.D	8260B-0206-1.M			
2110204-001B	O-VOC-S		6	1.000	15 Oct 2021 08:16 pm
8)	101508.D	8260B-0206-1.M			
2110204-001BDUP	O-VOC-S		7	1.000	15 Oct 2021 08:46 pm
9)	101509.D	8260B-0206-1.M			
2110214-001B	O-VOC-S		8	1.000	15 Oct 2021 09:17 pm
10)	101510.D	8260B-0206-1.M			
2110214-001BMS	O-VOC-S		9	1.000	15 Oct 2021 09:47 pm
11)	101511.D	8260B-0206-1.M			
2110214-002B	O-VOC-S		10	1.000	15 Oct 2021 10:17 pm
12)	101512.D	8260B-0206-1.M			
2110214-003B	O-VOC-S		11	1.000	15 Oct 2021 10:47 pm
13)	101513.D	8260B-0206-1.M			
2110214-004B	O-VOC-S		12	1.000	15 Oct 2021 11:17 pm
14)	101514.D	8260B-0206-1.M			
2110214-005B	O-VOC-S		13	1.000	15 Oct 2021 11:47 pm
15)	101515.D	8260B-0206-1.M			
2110214-006B	O-VOC-S		14	1.000	16 Oct 2021 12:17 am
16)	101516.D	8260B-0206-1.M			
2110214-007B	O-VOC-S		15	1.000	16 Oct 2021 12:47 am
17)	101517.D	8260B-0206-1.M			
2110214-008B	O-VOC-S		16	1.000	16 Oct 2021 01:17 am
18)	101518.D	8260B-0206-1.M			
2110214-008BMS	O-VOC-S		17	1.000	16 Oct 2021 01:48 am
19)	101519.D	8260B-0206-1.M			
2110219-002A	O-VOC-S		18	1.000	16 Oct 2021 02:18 am
20)	101520.D	8260B-0206-1.M			
2110219-003B	O-VOC-S		19	1.000	16 Oct 2021 02:48 am
21)	101521.D	8260B-0206-1.M			
2110219-003BDUP	O-VOC-S		20	1.000	16 Oct 2021 03:18 am

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 22) 101522.D              8260B-0206-1.M
2110219-004B         O-VOC-S               21    1.000     16 Oct 2021  03:48 am
  ------------------------------------------------------------------------------
 23) 101523.D              8260B-0206-1.M
2110219-005B         O-VOC-S               22    1.000     16 Oct 2021  04:18 am
  ------------------------------------------------------------------------------
 24) 101524.D              8260B-0206-1.M
CLEANOUT RES         O-VOC-S                1    1.000     16 Oct 2021  04:47 am
  ------------------------------------------------------------------------------
 25) 101525.D              8260B-0206-1.M
CCV-34054B VOC       O-VOC-S               23    1.000     16 Oct 2021  05:17 am
  ------------------------------------------------------------------------------
 26) 101526.D              8260B-0206-1.M
CCV-34054B GX        O-VOC-S               24    1.000     16 Oct 2021  05:48 am
  ------------------------------------------------------------------------------
 27) 101527.D              8260B-0206-1.M
CLEANOUT RES         O-VOC-S                1    1.000     16 Oct 2021  06:16 am
  ------------------------------------------------------------------------------
 28) 101528.D              8260B-0206-1.M
2110227-001B         O-VOC-S               25    1.000     16 Oct 2021  06:47 am
  ------------------------------------------------------------------------------
 29) 101529.D              8260B-0206-1.M
2110227-002B         O-VOC-S               26    1.000     16 Oct 2021  07:17 am
  ------------------------------------------------------------------------------
 30) 101530.D              8260B-0206-1.M
2110227-003B         O-VOC-S               27    1.000     16 Oct 2021  07:47 am
  ------------------------------------------------------------------------------
 31) 101531.D              8260B-0206-1.M
2110227-004B         O-VOC-S               28    1.000     16 Oct 2021  08:17 am
  ------------------------------------------------------------------------------
 32) 101532.D              8260B-0206-1.M
2110227-005B         O-VOC-S               29    1.000     16 Oct 2021  08:47 am
  ------------------------------------------------------------------------------
 33) 101533.D              8260B-0206-1.M
CLEANOUT RES         O-VOC-S                1    1.000     16 Oct 2021  09:16 am
  ------------------------------------------------------------------------------
 34) 101534.D              8260B-0206-1.M
CCV-34054C VOC       O-VOC-S               30    1.000     16 Oct 2021  09:46 am
  ------------------------------------------------------------------------------
 35) 101535.D              8260B-0206-1.M
CCV-34054C GX        O-VOC-S               31    1.000     16 Oct 2021  10:16 am
  ------------------------------------------------------------------------------
```

Injection Log

Data Directory: D:\GC-27\DATA\101821\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 101801.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	32	1.000	18 Oct 2021 05:44 pm
2) 101802.D	8260B-0206-1.M			
CCV-34080A_LCS-340..	O-VOC-S	33	1.000	18 Oct 2021 06:14 pm
3) 101803.D	8260B-0206-1.M			
CCV-34069C GX	O-VOC-GX-S	34	1.000	18 Oct 2021 06:44 pm
4) 101804.D	8260B-0206-1.M			
CLEANOUT	O-VOC-S	32	1.000	18 Oct 2021 07:14 pm
5) 101805.D	8260B-0206-1.M			
MB-34080	O-VOC-S	35	1.000	18 Oct 2021 07:44 pm
6) 101806.D	8260B-0206-1.M			
2110246-001B	O-VOC-S	36	1.000	18 Oct 2021 08:14 pm
7) 101807.D	8260B-0206-1.M			
2110246-002B	O-VOC-S	37	1.000	18 Oct 2021 08:44 pm
8) 101808.D	8260B-0206-1.M			
2110246-003B	O-VOC-S	38	1.000	18 Oct 2021 09:15 pm
9) 101809.D	8260B-0206-1.M			
2110246-004B	O-VOC-S	39	1.000	18 Oct 2021 09:45 pm
10) 101810.D	8260B-0206-1.M			
2110246-005B	O-VOC-S	40	1.000	18 Oct 2021 10:15 pm
11) 101811.D	8260B-0206-1.M			
2110246-005BDUP	O-VOC-S	41	1.000	18 Oct 2021 10:45 pm
12) 101812.D	8260B-0206-1.M			
2110246-006B	O-VOC-S	42	1.000	18 Oct 2021 11:15 pm
13) 101813.D	8260B-0206-1.M			
2110214-008B RR P3..	O-VOC-S	43	1.000	18 Oct 2021 11:45 pm
14) 101814.D	8260B-0206-1.M			
2110204-001B P34069	O-VOC-S	44	1.000	19 Oct 2021 12:15 am
15) 101815.D	8260B-0206-1.M			
2110246-006BMS VOC	O-VOC-S	45	1.000	19 Oct 2021 12:45 am
16) 101816.D	8260B-0206-1.M			
CLANOUT	O-VOC-S	46	1.000	19 Oct 2021 01:16 am
17) 101817.D	8260B-0206-1.M			
CCV-34080B VOC	O-VOC-S	47	1.000	19 Oct 2021 01:46 am
18) 101818.D	8260B-0206-1.M			
CCV-34069D GX	O-VOC-GX-S	48	1.000	19 Oct 2021 02:16 am

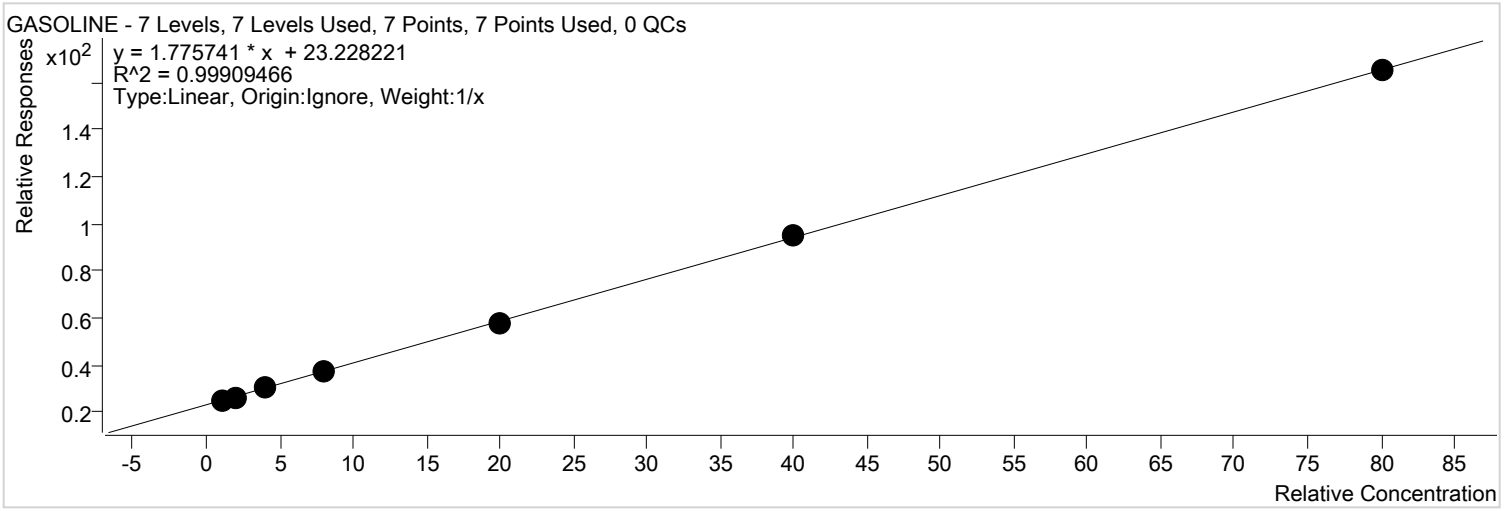
Calibration

Calibration Report

Agilent Technologies

Batch Path	D:\GC-27\DATA\101121\QuantResults\GX CAL.batch.bin		
Analysis Time	10/12/2021 9:38 AM	**Analyst Name**	FA\GC27
Report Time	10/14/2021 8:58:15 AM	**Reporter Name**	FA\GC27
Last Calib Update	10/12/2021 9:38 AM	**Batch State**	Processed
Quant Batch Version	B.09.00	**Quant Report Version**	B.09.00

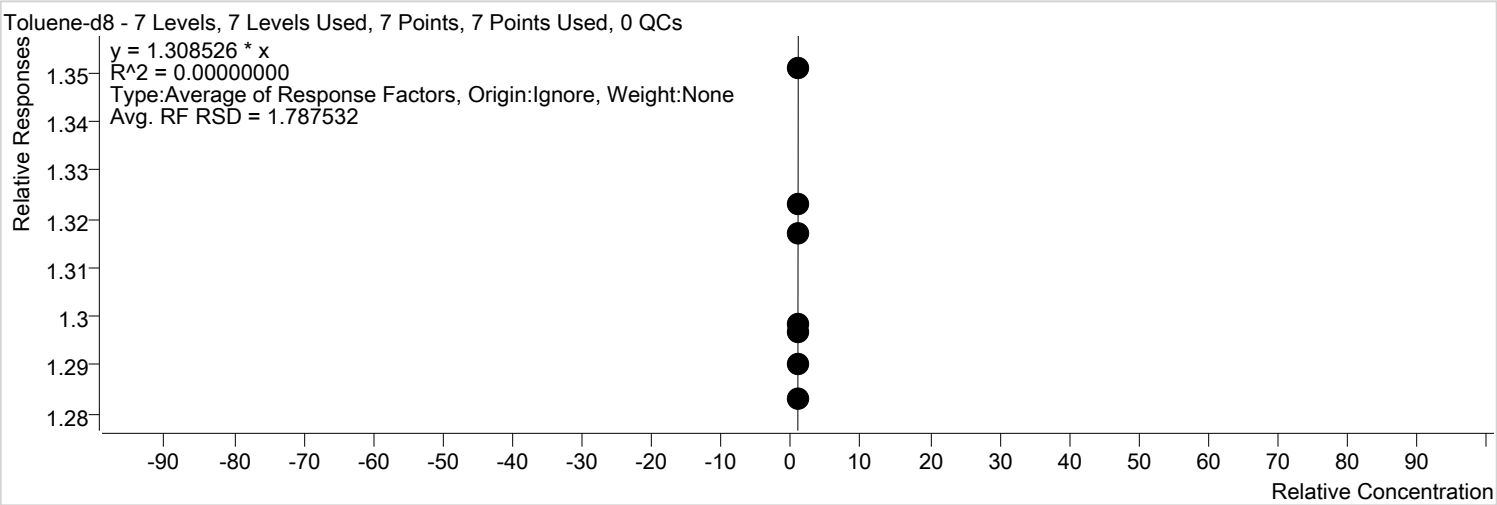
GASOLINE %RSE = 11.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\101121\101119.D	Calibration	1	x	51388736	25.0000	25.3553	
D:\GC-27\DATA\101121\101120.D	Calibration	2	x	51357225	50.0000	13.0882	
D:\GC-27\DATA\101121\101121.D	Calibration	3	x	59529629	100.0000	7.5313	
D:\GC-27\DATA\101121\101122.D	Calibration	4	x	74698037	200.0000	4.6763	
D:\GC-27\DATA\101121\101123.D	Calibration	5	x	117976408	500.0000	2.9136	
D:\GC-27\DATA\101121\101124.D	Calibration	6	x	196570863	1000.0000	2.3892	
D:\GC-27\DATA\101121\101125.D	Calibration	7	x	345981106	2000.0000	2.0616	

Batch Path	D:\GC-27\DATA\101121\QuantResults\GX CAL.batch.bin		
Analysis Time	10/12/2021 9:38 AM	**Analyst Name**	FA\GC27
Report Time	10/14/2021 8:58:16 AM	**Reporter Name**	FA\GC27
Last Calib Update	10/12/2021 9:38 AM	**Batch State**	Processed
Quant Batch Version	B.09.00	**Quant Report Version**	B.09.00

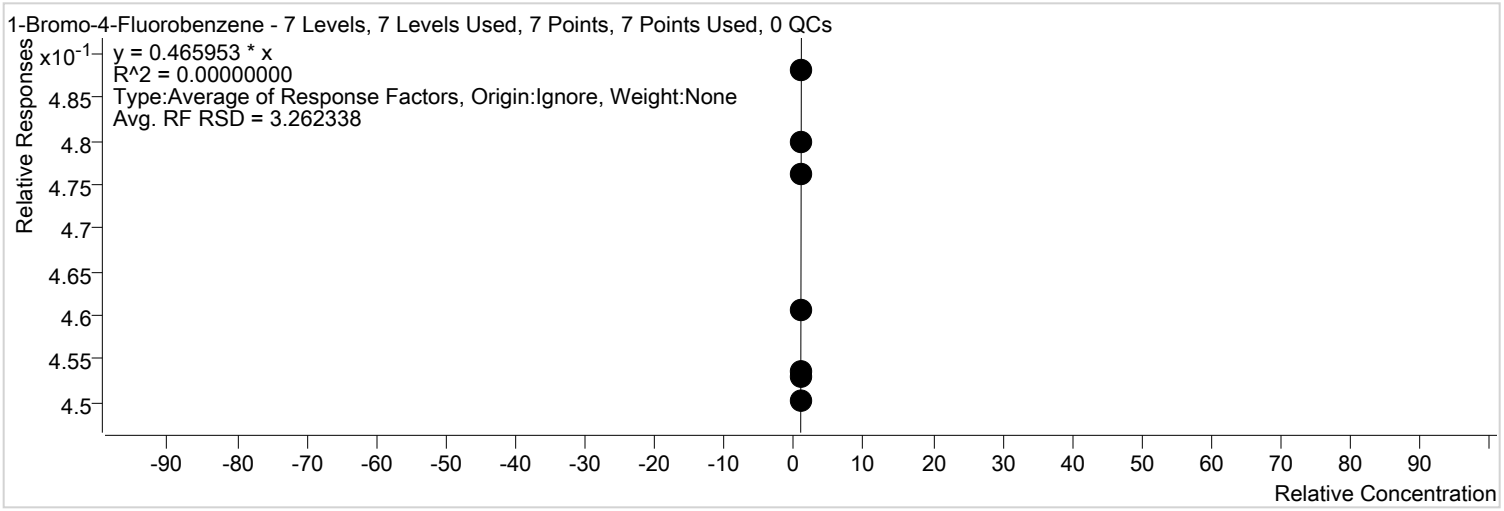
Toluene-d8 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\101121\101125.D	Calibration	7	x	3594262	25.0000	1.3507	
D:\GC-27\DATA\101121\101124.D	Calibration	6	x	3535252	25.0000	1.3232	
D:\GC-27\DATA\101121\101123.D	Calibration	5	x	3513116	25.0000	1.3169	
D:\GC-27\DATA\101121\101122.D	Calibration	4	x	3470793	25.0000	1.2901	
D:\GC-27\DATA\101121\101121.D	Calibration	3	x	3494625	25.0000	1.2986	
D:\GC-27\DATA\101121\101120.D	Calibration	2	x	3474521	25.0000	1.2832	
D:\GC-27\DATA\101121\101119.D	Calibration	1	x	3605275	25.0000	1.2969	

Batch Path	D:\GC-27\DATA\101121\QuantResults\GX CAL.batch.bin		
Analysis Time	10/12/2021 9:38 AM	**Analyst Name**	FA\GC27
Report Time	10/14/2021 8:58:16 AM	**Reporter Name**	FA\GC27
Last Calib Update	10/12/2021 9:38 AM	**Batch State**	Processed
Quant Batch Version	B.09.00	**Quant Report Version**	B.09.00

1-Bromo-4-Fluorobenzene %RSE =

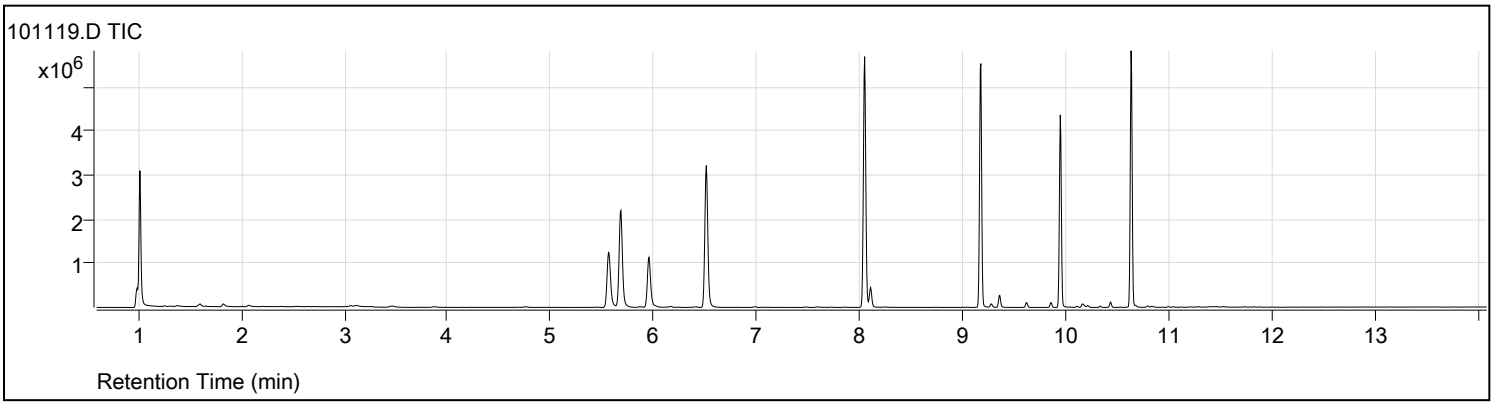


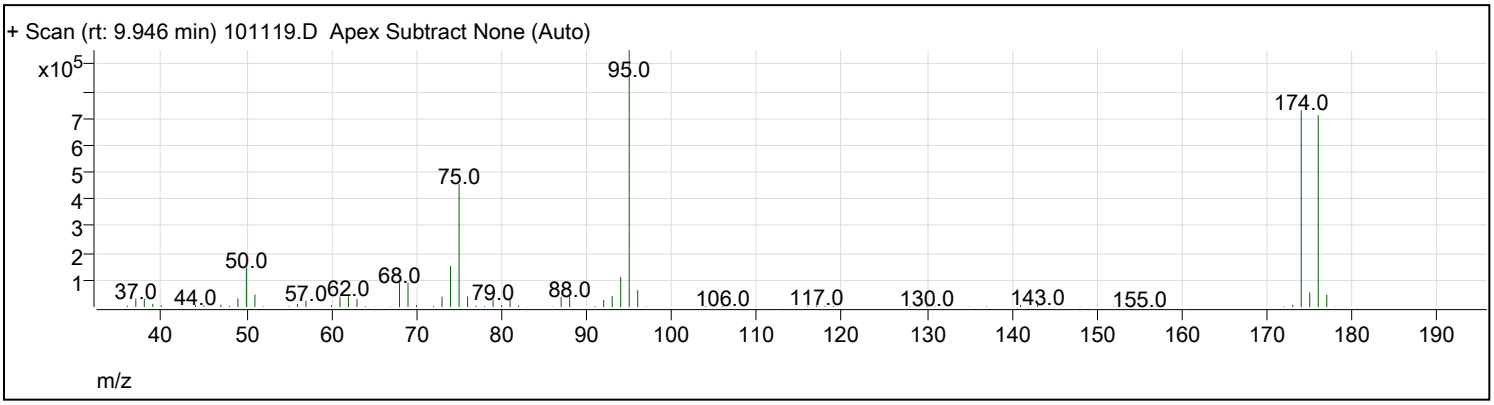
Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\101121\101125.D	Calibration	7	x	1298668	25.0000	0.4880	
D:\GC-27\DATA\101121\101124.D	Calibration	6	x	1282278	25.0000	0.4799	
D:\GC-27\DATA\101121\101123.D	Calibration	5	x	1270388	25.0000	0.4762	
D:\GC-27\DATA\101121\101122.D	Calibration	4	x	1239547	25.0000	0.4607	
D:\GC-27\DATA\101121\101121.D	Calibration	3	x	1218653	25.0000	0.4529	
D:\GC-27\DATA\101121\101120.D	Calibration	2	x	1228011	25.0000	0.4535	
D:\GC-27\DATA\101121\101119.D	Calibration	1	x	1251913	25.0000	0.4503	

Tunes

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\101121\101119.D
Acq on:	10/11/2021 8:03:59 PM
Operator:	KMT
Sample:	GX CAL1 25972
Inst Name:	GC-27
ALS Vial:	15
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

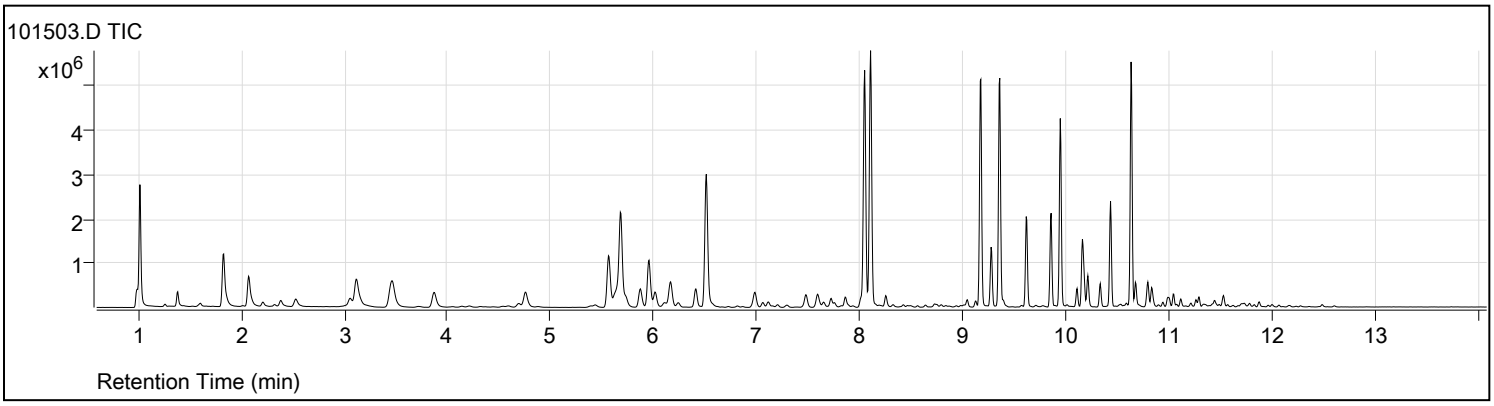


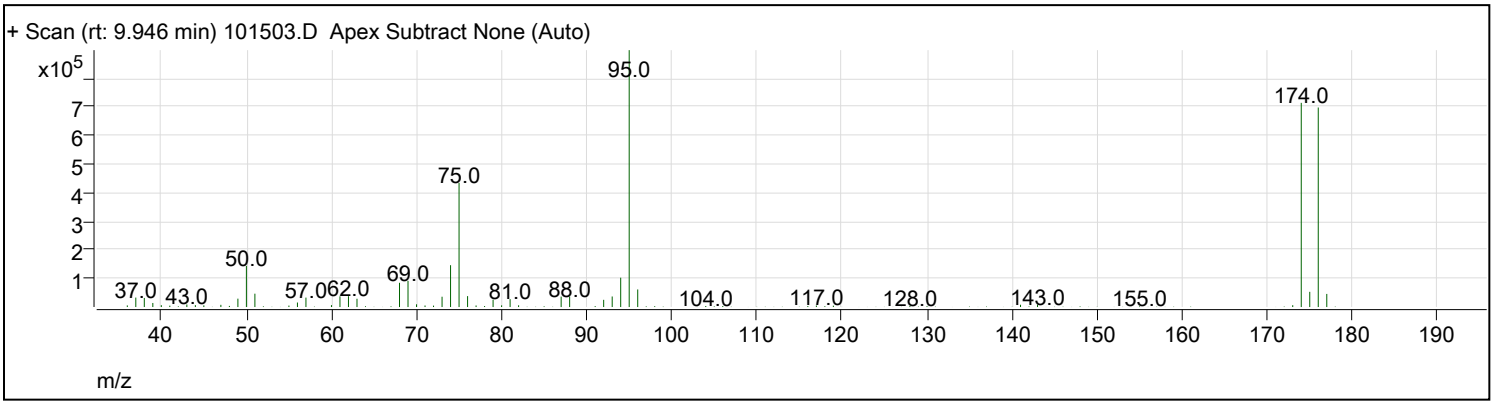


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	130.5	952634	Pass
96	95	5	9	6.6	62405	Pass
173	174	0	2	1.0	7405	Pass
174	95	50	200	76.6	730149	Pass
175	174	5	9	7.4	54313	Pass
176	174	95	105	97.4	711100	Pass
177	176	5	10	6.5	46470	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\101521\101503.D
Acq on:	10/15/2021 6:16:20 PM
Operator:	SPG
Sample:	CCV-34069A GX
Inst Name:	GC-27
ALS Vial:	3
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

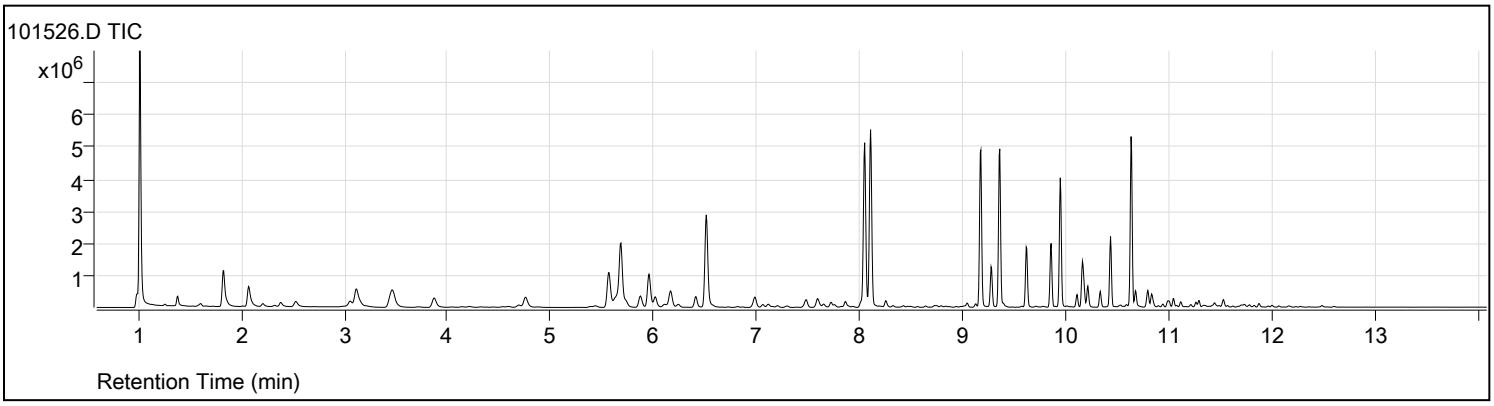


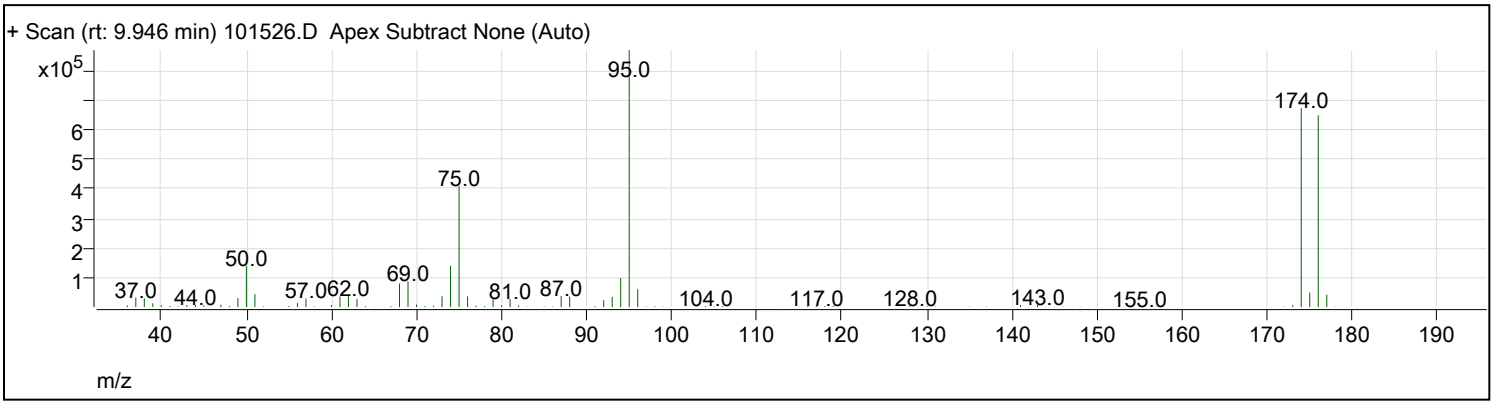


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	125.8	899172	Pass
96	95	5	9	6.8	61572	Pass
173	174	0	2	0.9	6460	Pass
174	95	50	200	79.5	714746	Pass
175	174	5	9	7.4	53217	Pass
176	174	95	105	97.7	698440	Pass
177	176	5	10	6.6	45913	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\101521\101526.D
Acq on:	10/16/2021 5:48:03 AM
Operator:	SPG
Sample:	CCV-34054B GX
Inst Name:	GC-27
ALS Vial:	24
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

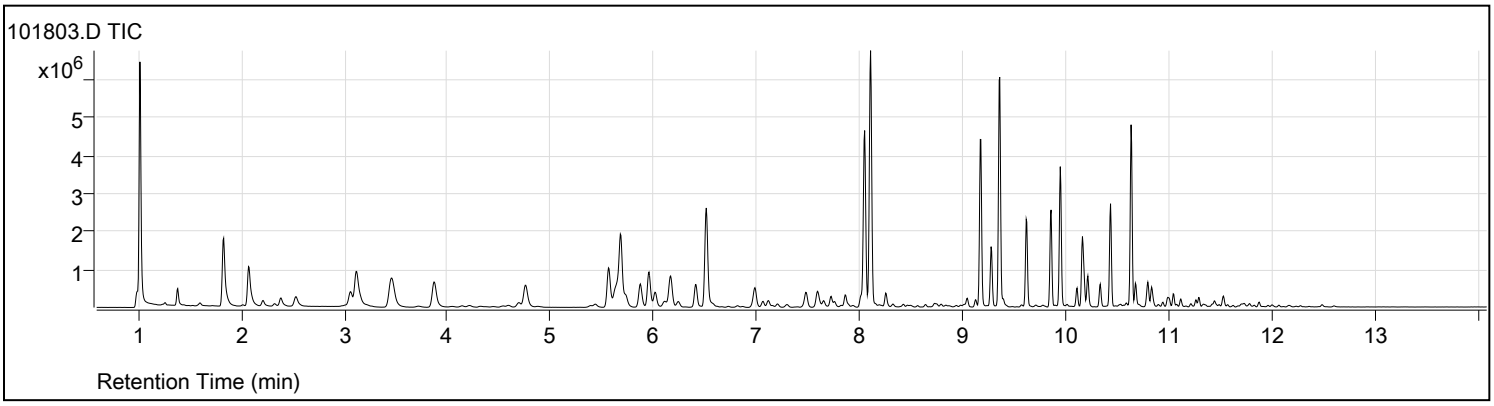


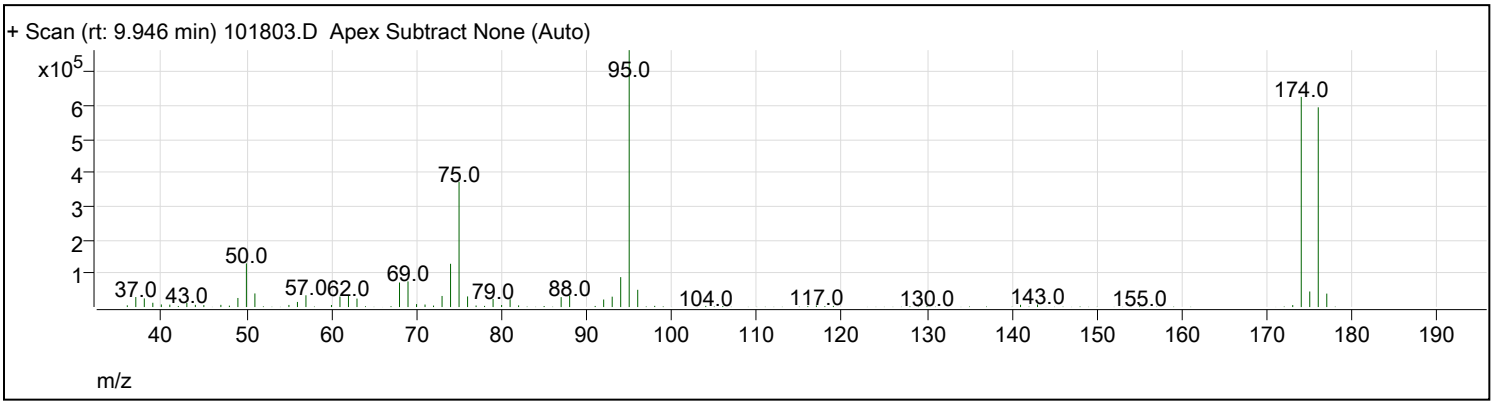


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	129.1	870452	Pass
96	95	5	9	6.9	60180	Pass
173	174	0	2	0.9	6280	Pass
174	95	50	200	77.5	674273	Pass
175	174	5	9	7.3	49535	Pass
176	174	95	105	96.3	649602	Pass
177	176	5	10	6.4	41801	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\101821\101803.D
Acq on:	10/18/2021 6:44:19 PM
Operator:	cmr
Sample:	CCV-34069C GX
Inst Name:	GC-27
ALS Vial:	34
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

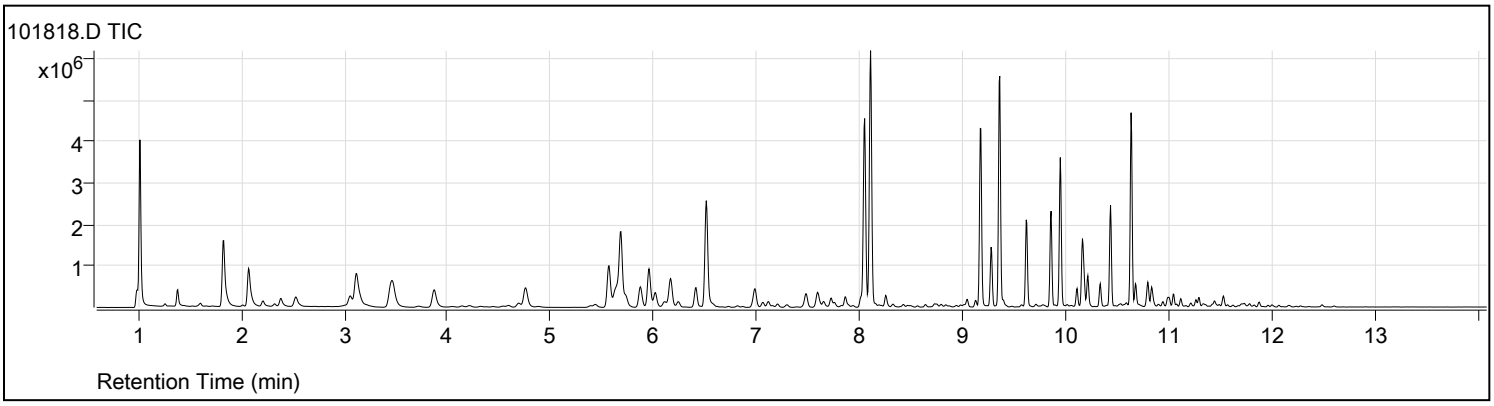


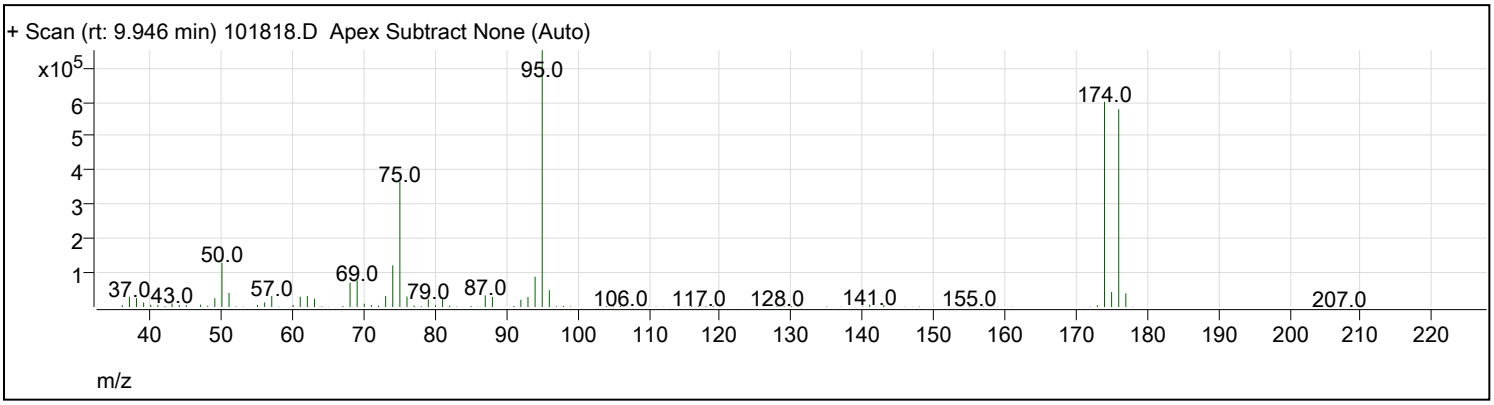


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	122.2	764874	Pass
96	95	5	9	6.7	51409	Pass
173	174	0	2	0.9	5786	Pass
174	95	50	200	81.8	625709	Pass
175	174	5	9	7.4	46341	Pass
176	174	95	105	95.0	594706	Pass
177	176	5	10	6.7	40009	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\101821\101818.D
Acq on:	10/19/2021 2:16:26 AM
Operator:	cmr
Sample:	CCV-34069D GX
Inst Name:	GC-27
ALS Vial:	48
Method:	D:\MassHunter\Methods\Quant\BFB2021.m





Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	125.1	751772	Pass
96	95	5	9	6.6	49260	Pass
173	174	0	2	0.9	5198	Pass
174	95	50	200	79.9	600758	Pass
175	174	5	9	7.3	43711	Pass
176	174	95	105	96.4	578900	Pass
177	176	5	10	6.9	39915	Pass

DATA SET for Review -- Deliverable Requirements

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Fremont Analytical Work Order No. 2110219

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Injection Log

Data Directory: C:\GC-14\Data\2021\082321\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	082301.D	PAH-SIM.M			
co			2	1.000	23 Aug 2021 08:14 am
2)	082302.D	SEMI9.M			
TUNE			1	1.000	23 Aug 2021 08:35 am
3)	082303.D	PAH-SIM.M			
CCV-			2	1.000	23 Aug 2021 08:57 am
4)	082304.D	PAH-SIM.M			
PAH 10			12	1.000	23 Aug 2021 09:38 am
5)	082305.D	PAH-SIM.M			
PAH 20			13	1.000	23 Aug 2021 09:59 am
6)	082306.D	PAH-SIM.M			
PAH 40			14	1.000	23 Aug 2021 10:21 am
7)	082307.D	PAH-SIM.M			
PAH 100			15	1.000	23 Aug 2021 10:42 am
8)	082308.D	PAH-SIM.M			
PAH 200			16	1.000	23 Aug 2021 11:04 am
9)	082309.D	PAH-SIM.M			
PAH 500			17	1.000	23 Aug 2021 11:25 am
10)	082310.D	PAH-SIM.M			
PAH 750			18	1.000	23 Aug 2021 11:47 am
11)	082311.D	PAH-SIM.M			
PAH 1000			19	1.000	23 Aug 2021 12:09 pm
12)	082312.D	PAH-SIM.M			
PAH 2000			20	1.000	23 Aug 2021 12:30 pm
13)	082313.D	PAH-SIM.M			
PAH 5000			21	1.000	23 Aug 2021 12:52 pm
14)	082314.D	PAH-SIM.M			
PAH ICB			22	1.000	23 Aug 2021 01:14 pm
15)	082315.D	PAH-SIM.M			
PAH ICV			23	1.000	23 Aug 2021 01:35 pm
16)	082316.D	PAH-SIM.M			
CO			2	1.000	23 Aug 2021 01:57 pm
17)	082317.D	PAH-LOWLEVEL.M			
PAH LL 2			11	1.000	23 Aug 2021 02:19 pm
18)	082318.D	PAH-LOWLEVEL.M			
PAH LL 10			12	1.000	23 Aug 2021 02:40 pm
19)	082319.D	PAH-LOWLEVEL.M			
PAH LL 20			13	1.000	23 Aug 2021 03:02 pm
20)	082320.D	PAH-LOWLEVEL.M			
PAH LL 40			14	1.000	23 Aug 2021 03:23 pm
21)	082321.D	PAH-LOWLEVEL.M			
PAH LL 100			15	1.000	23 Aug 2021 03:45 pm

22) 082322.D	PAH-LOWLEVEL.M				
PAH LL 200		16	1.000	23 Aug 2021	04:07 pm
23) 082323.D	PAH-LOWLEVEL.M				
PAH LL 500		17	1.000	23 Aug 2021	04:28 pm
24) 082324.D	PAH-LOWLEVEL.M				
PAH LL 750		18	1.000	23 Aug 2021	04:50 pm
25) 082325.D	PAH-LOWLEVEL.M				
PAH LL 1000		19	1.000	23 Aug 2021	05:11 pm
26) 082326.D	PAH-LOWLEVEL.M				
PAH LL 2000		20	1.000	23 Aug 2021	05:33 pm
27) 082327.D	PAH-LOWLEVEL.M				
PAH LL 5000		21	1.000	23 Aug 2021	05:55 pm
28) 082328.D	PAH-LOWLEVEL.M				
PAH LL ICB		22	1.000	23 Aug 2021	06:16 pm
29) 082329.D	PAH-LOWLEVEL.M				
PAH LL ICV		23	1.000	23 Aug 2021	06:38 pm

Injection Log

Data Directory: C:\GC-14\Data\2021\101521\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	101501.D	8270E_SIM_625.M			
CO			2	1.000	15 Oct 2021 08:57 am
2)	101502.D	8270E_SCAN_625.M			
TUNE			1	1.000	15 Oct 2021 09:19 am
3)	101503.D	8270E_SIM_625.M			
CCV			2	1.000	15 Oct 2021 09:41 am
4)	101504.D	8270E_SIM_625.M			
CO			11	1.000	15 Oct 2021 03:09 pm
5)	101505.D	8270E_SIM_625.M			
CO			11	1.000	15 Oct 2021 03:31 pm
6)	101506.D	8270E_SIM_625.M			
CO			11	1.000	15 Oct 2021 03:52 pm
7)	101507.D	8270E_SIM_625.M			
CO			11	1.000	15 Oct 2021 04:14 pm
8)	101508.D	8270E_SIM_625.M			
CO			11	1.000	15 Oct 2021 04:35 pm
9)	101509.D	8270E_SIM_625.M			
CO			11	1.000	15 Oct 2021 04:57 pm
10)	101510.D	8270E_SIM_625.M			
CCV-34065			2	1.000	15 Oct 2021 05:18 pm
11)	101511.D	8270E_SIM_625.M			
MB-34065			31	1.000	15 Oct 2021 05:40 pm
12)	101512.D	8270E_SIM_625.M			
LCS-34065			32	1.000	15 Oct 2021 06:02 pm
13)	101513.D	8270E_SIM_625.M			
2110181-005A			33	1.000	15 Oct 2021 06:23 pm
14)	101514.D	8270E_SIM_625.M			
2110219-006A			34	1.000	15 Oct 2021 06:45 pm
15)	101515.D	8270E_SIM_625.M			
2110219-006AMS			35	1.000	15 Oct 2021 07:06 pm
16)	101516.D	8270E_SIM_625.M			
2110219-006AMSD			36	1.000	15 Oct 2021 07:28 pm
17)	101517.D	8270E_SIM_625.M			
2110219-007A			37	1.000	15 Oct 2021 07:49 pm
18)	101518.D	8270E_SIM_625.M			
2110219-008A			38	1.000	15 Oct 2021 08:11 pm
19)	101519.D	8270E_SIM_625.M			
2110219-009A			39	1.000	15 Oct 2021 08:32 pm
20)	101520.D	8270E_SIM_625.M			
2110219-010A			40	1.000	15 Oct 2021 08:54 pm
21)	101521.D	8270E_SIM_625.M			
2110219-011A			41	1.000	15 Oct 2021 09:15 pm

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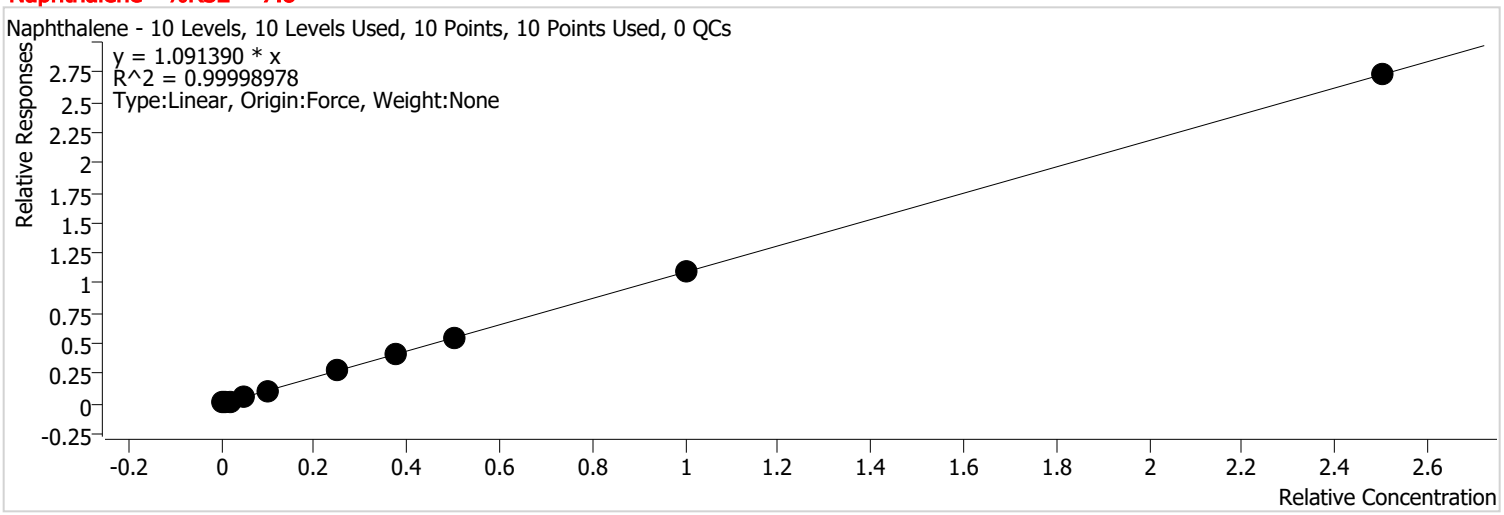
 22) 101522.D              8270E_SIM_625.M
2110219-012A                              42    1.000     15 Oct 2021  09:37 pm
  ------------------------------------------------------------------------------
 23) 101523.D              8270E_SIM_625.M
2110219-013A                              43    1.000     15 Oct 2021  09:58 pm
  ------------------------------------------------------------------------------
 24) 101524.D              8270E_SIM_625.M
QCS-34065                                  2    1.000     15 Oct 2021  10:20 pm
  ------------------------------------------------------------------------------
 25) 101901.D              8270E_SIM_625.M
CO                                         2    1.000     19 Oct 2021  08:50 am
  ------------------------------------------------------------------------------
 26) 101902.D              8270E_SCAN_625.M
TUNE                                       1    1.000     19 Oct 2021  09:11 am
  ------------------------------------------------------------------------------
 27) 101903.D              8270E_SIM_625.M
CCV                                        2    1.000     19 Oct 2021  09:34 am
  ------------------------------------------------------------------------------
 28) 101904.D              8270E_SIM_625.M
CO                                        11    1.000     19 Oct 2021  09:55 am
  ------------------------------------------------------------------------------
 29) 101905.D              8270E_SIM_625.M
2110219-006AMS 50X                       121    1.000     19 Oct 2021  10:17 am
  ------------------------------------------------------------------------------
 30) 101906.D              8270E_SIM_625.M
2110219-009A 10X                         122    1.000     19 Oct 2021  10:38 am
  ------------------------------------------------------------------------------
 31) 101907.D              8270E_SIM_625.M
2110219-011A 10X                         123    1.000     19 Oct 2021  10:59 am
  ------------------------------------------------------------------------------
 32) 101908.D              8270E_SIM_625.M
QCS                                        2    1.000     19 Oct 2021  11:21 am
  ------------------------------------------------------------------------------
```

Calibration

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:53 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Naphthalene %RSE = 7.8

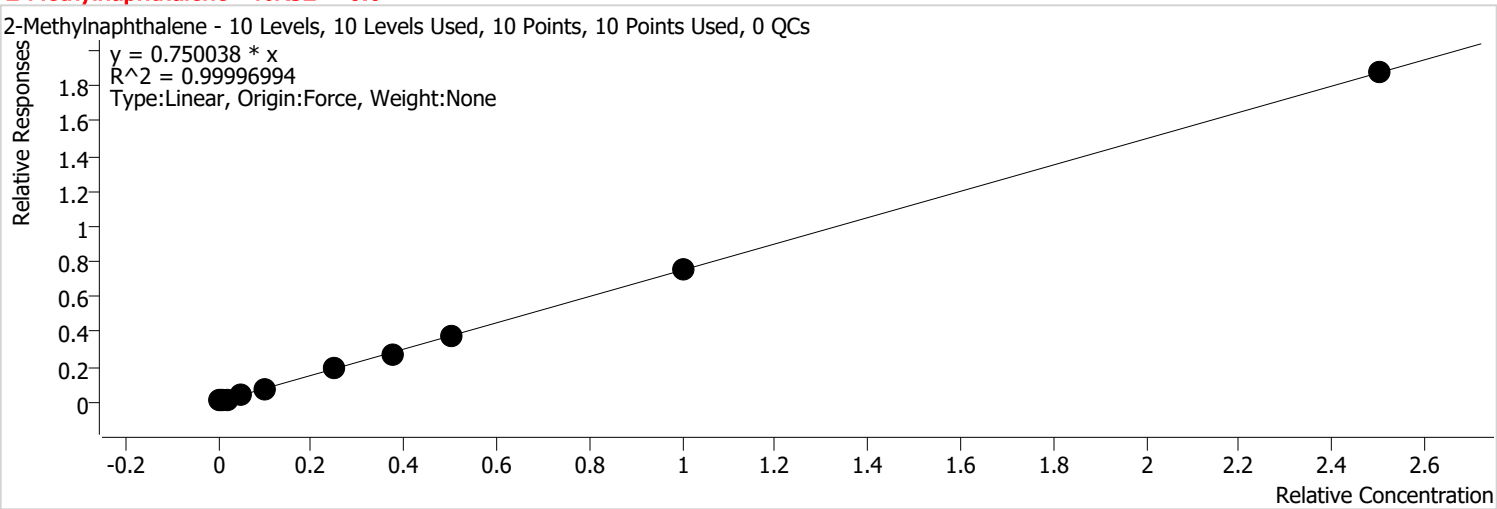


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	444	10.0000	1.2464	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	887	20.0000	1.2229	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1651	40.0000	1.2104	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3872	100.0000	1.1251	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	7971	200.0000	1.1282	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	20406	500.0000	1.1157	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	29917	750.0000	1.0885	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	40650	1000.0000	1.0924	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	83113	2000.0000	1.0897	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	205815	5000.0000	1.0914	

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Methylnaphthalene %RSE = 6.0

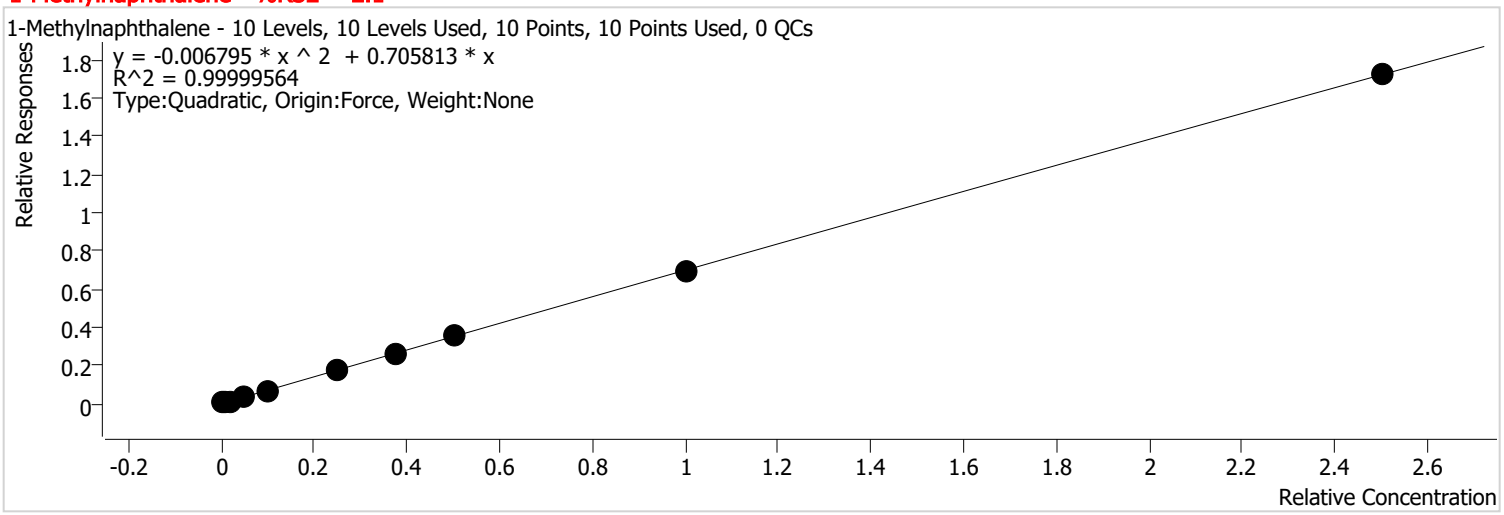


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	250	10.0000	0.7025	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	469	20.0000	0.6468	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1037	40.0000	0.7602	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2425	100.0000	0.7047	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5101	200.0000	0.7219	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	13625	500.0000	0.7450	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	20001	750.0000	0.7277	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	28064	1000.0000	0.7542	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	57289	2000.0000	0.7511	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	141499	5000.0000	0.7503	

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1-Methylnaphthalene %RSE = 2.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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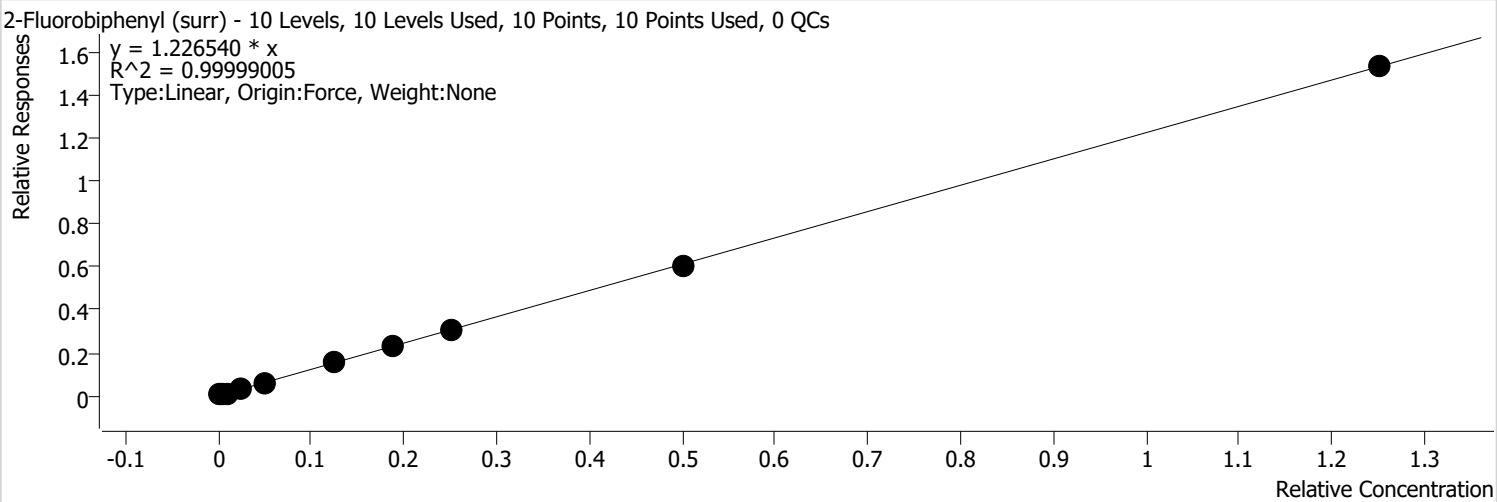
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	503	20.0000	0.6931	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	993	40.0000	0.7279	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2442	100.0000	0.7097	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5072	200.0000	0.7179	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	13003	500.0000	0.7109	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	19431	750.0000	0.7070	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	26181	1000.0000	0.7036	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	53165	2000.0000	0.6970	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	129920	5000.0000	0.6889	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Fluorobiphenyl (surr) %RSE =

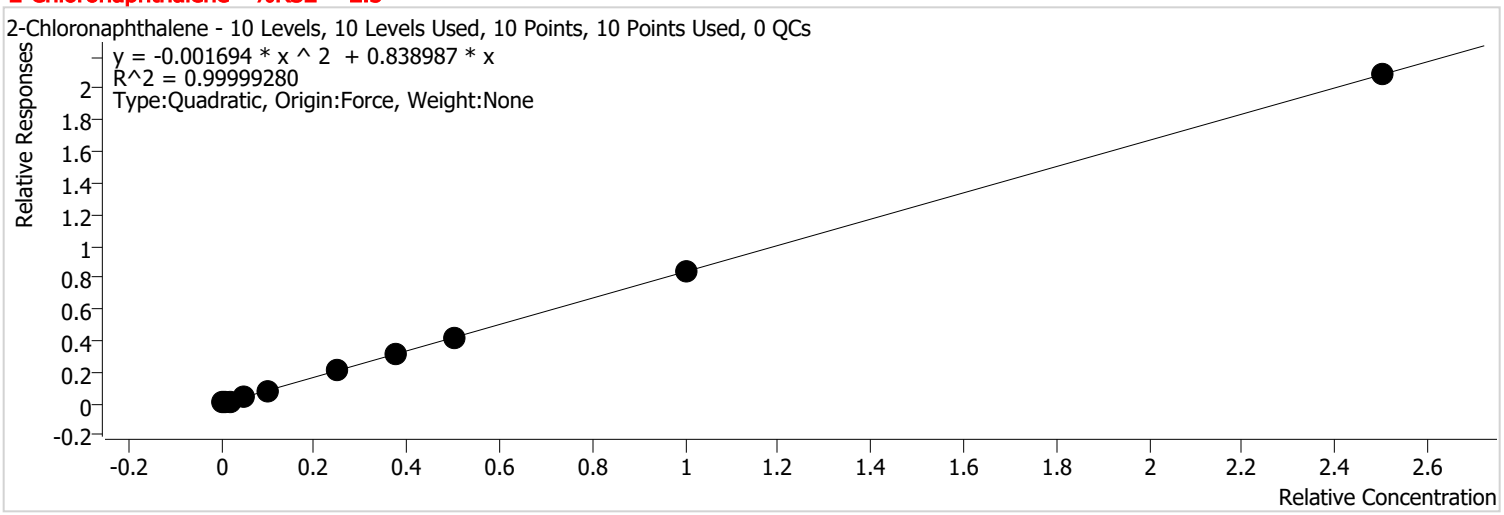


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	231	5.0000	1.2959	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	459	10.0000	1.2652	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	878	20.0000	1.2880	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2123	50.0000	1.2340	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	4467	100.0000	1.2646	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	11437	250.0000	1.2507	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	16924	375.0000	1.2316	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	22912	500.0000	1.2315	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	46614	1000.0000	1.2223	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	115659	2500.0000	1.2266	

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

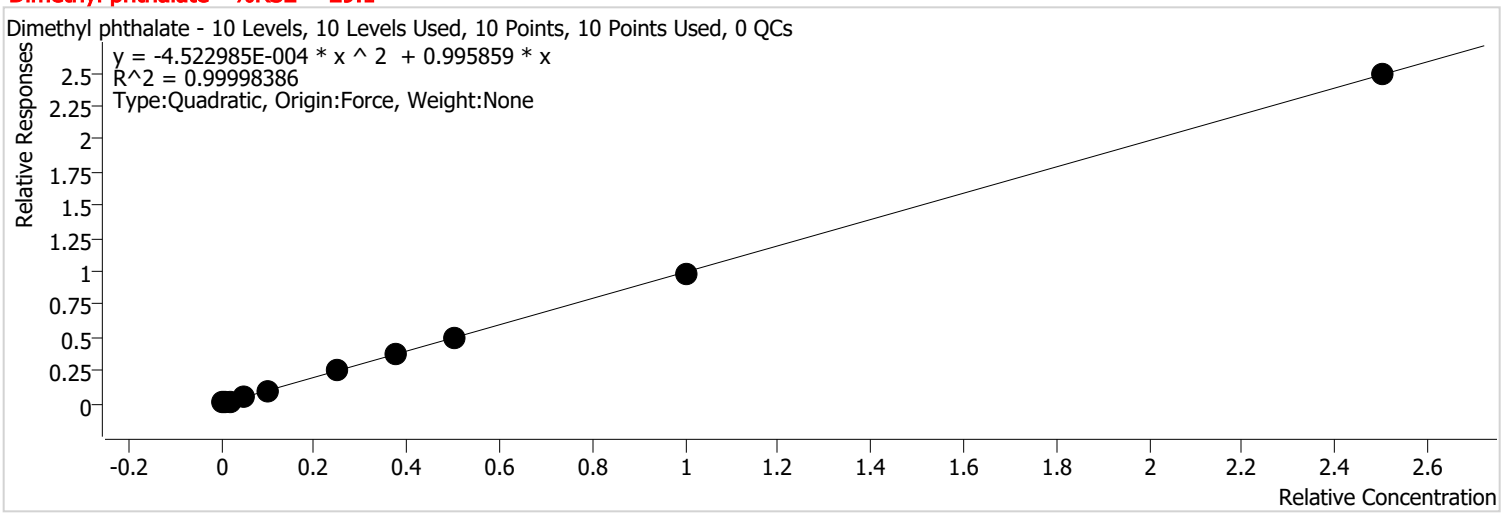
2-Chloronaphthalene %RSE = 2.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	312	10.0000	0.8747	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	598	20.0000	0.8252	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1141	40.0000	0.8365	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2799	100.0000	0.8132	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	6045	200.0000	0.8555	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	15491	500.0000	0.8469	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	22743	750.0000	0.8275	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	31282	1000.0000	0.8407	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	63893	2000.0000	0.8377	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	157418	5000.0000	0.8347	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

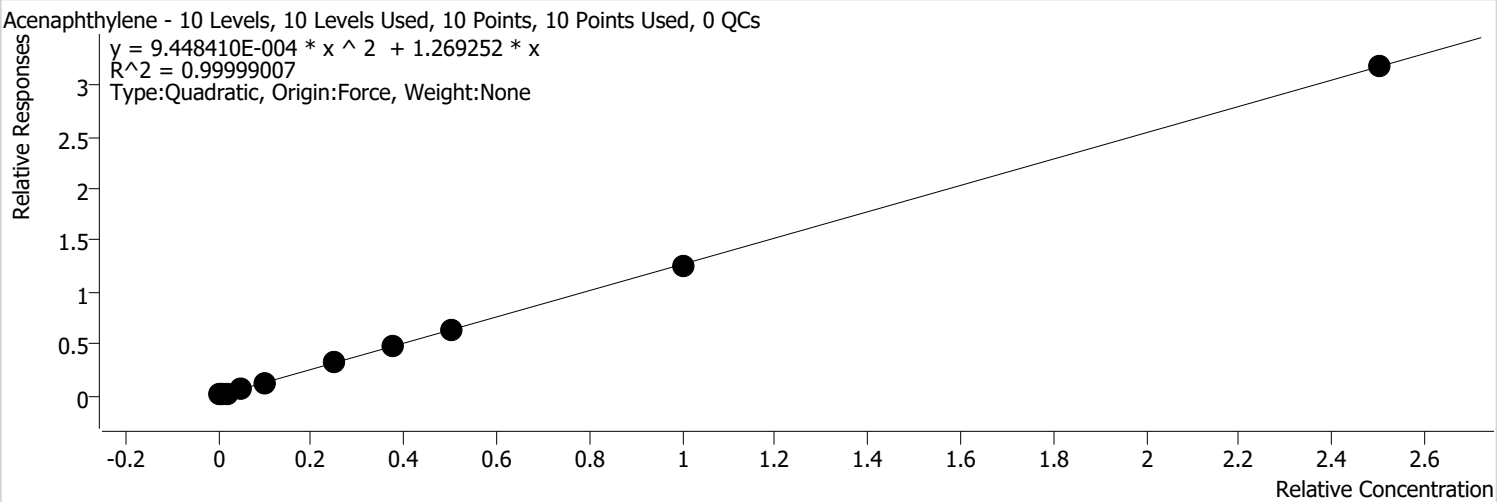
Dimethyl phthalate %RSE = 29.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	617	10.0000	1.7331	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	853	20.0000	1.1756	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1502	40.0000	1.1011	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3475	100.0000	1.0099	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	7239	200.0000	1.0246	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	18444	500.0000	1.0084	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	27735	750.0000	1.0092	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	37045	1000.0000	0.9956	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	75582	2000.0000	0.9909	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	187633	5000.0000	0.9950	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

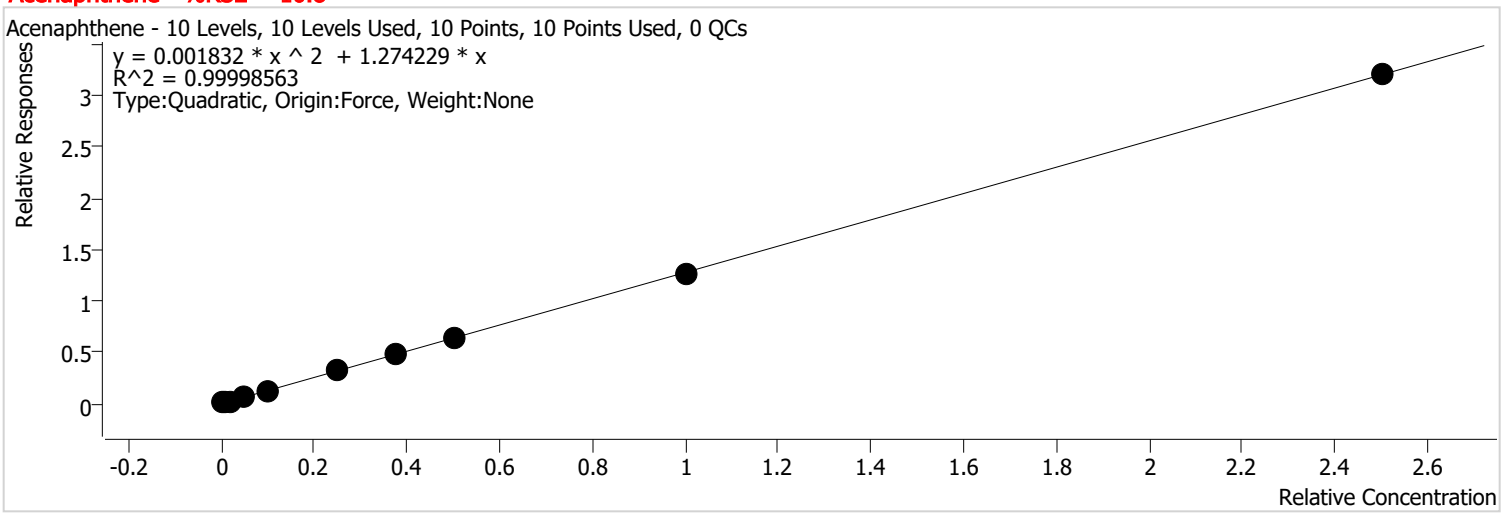
Acenaphthylene %RSE = 13.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	608	10.0000	1.7079	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1016	20.0000	1.4012	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1825	40.0000	1.3381	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4381	100.0000	1.2729	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	9258	200.0000	1.3103	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	23709	500.0000	1.2963	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	34978	750.0000	1.2727	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	47244	1000.0000	1.2697	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	96590	2000.0000	1.2663	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	239846	5000.0000	1.2718	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

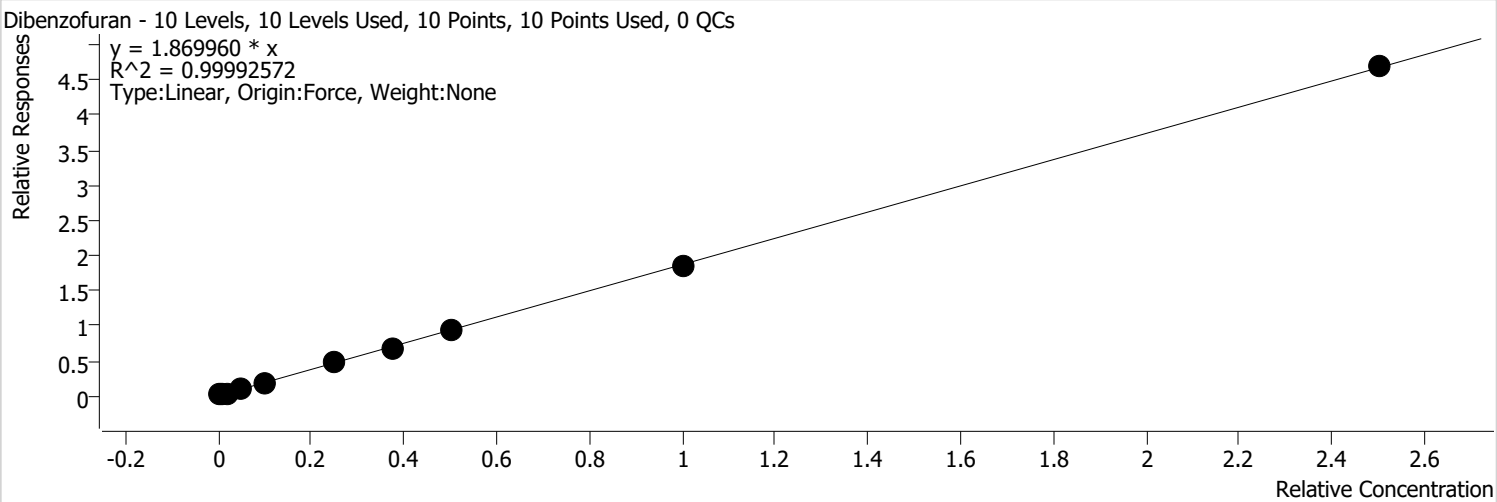
Acenaphthene %RSE = 10.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	366	10.0000	1.5902	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	639	20.0000	1.3598	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1253	40.0000	1.4221	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2911	100.0000	1.2930	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	6021	200.0000	1.3314	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	15393	500.0000	1.3054	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	22727	750.0000	1.2797	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	30437	1000.0000	1.2730	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	62549	2000.0000	1.2718	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	153217	5000.0000	1.2790	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

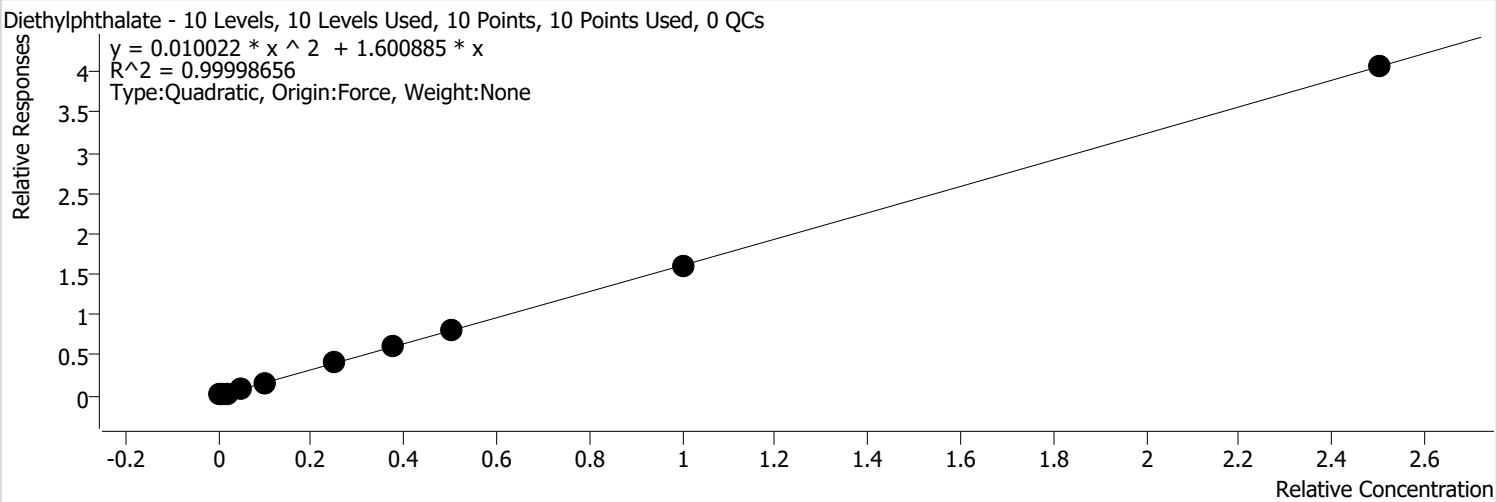
Dibenzofuran %RSE = 5.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	492	10.0000	2.1358	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	865	20.0000	1.8391	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1728	40.0000	1.9611	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4177	100.0000	1.8556	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	8631	200.0000	1.9086	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	22076	500.0000	1.8721	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	32142	750.0000	1.8098	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	44464	1000.0000	1.8597	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	90717	2000.0000	1.8446	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	224690	5000.0000	1.8757	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

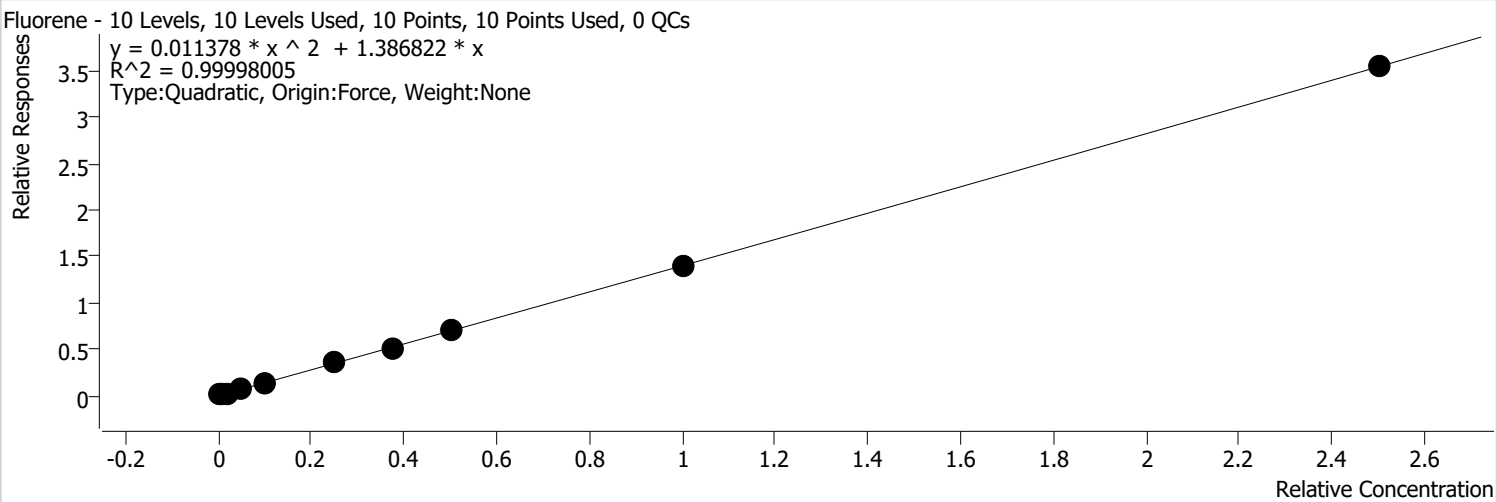
Diethylphthalate %RSE = 29.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	640	10.0000	2.7799	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	892	20.0000	1.8965	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1574	40.0000	1.7863	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3676	100.0000	1.6329	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	7501	200.0000	1.6586	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	19049	500.0000	1.6154	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	28468	750.0000	1.6029	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	38721	1000.0000	1.6195	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	78902	2000.0000	1.6043	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	194807	5000.0000	1.6262	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

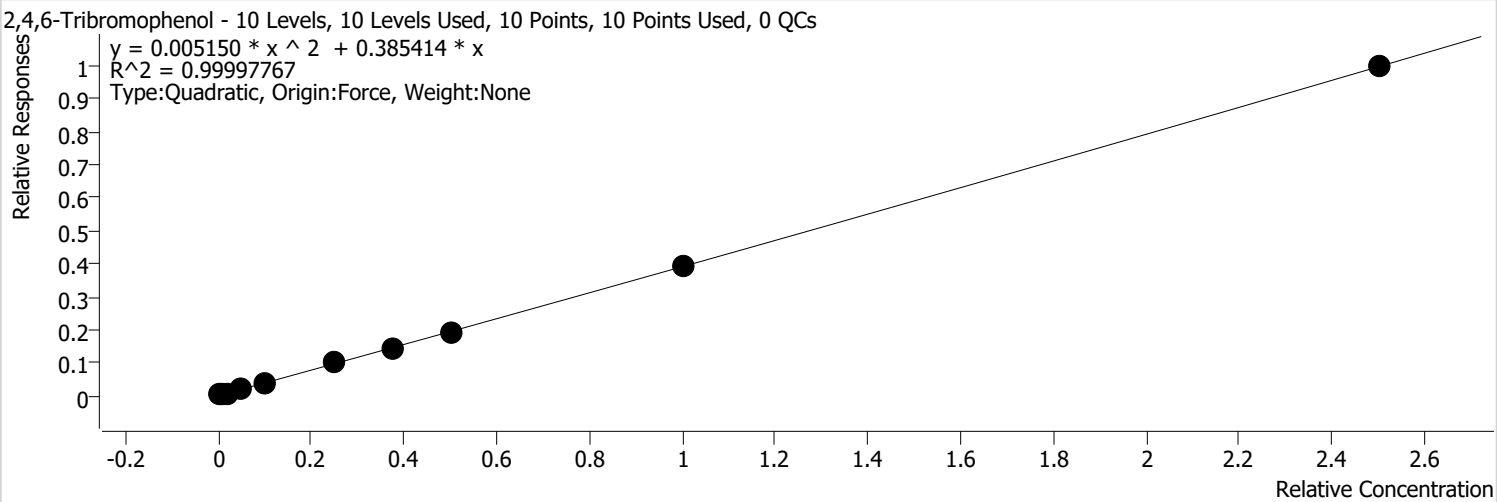
Fluorene %RSE = 7.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	371	10.0000	1.6105	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	679	20.0000	1.4436	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1307	40.0000	1.4836	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3155	100.0000	1.4014	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	6574	200.0000	1.4536	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	16642	500.0000	1.4113	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	24390	750.0000	1.3733	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	33683	1000.0000	1.4088	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	68514	2000.0000	1.3931	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	169562	5000.0000	1.4155	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

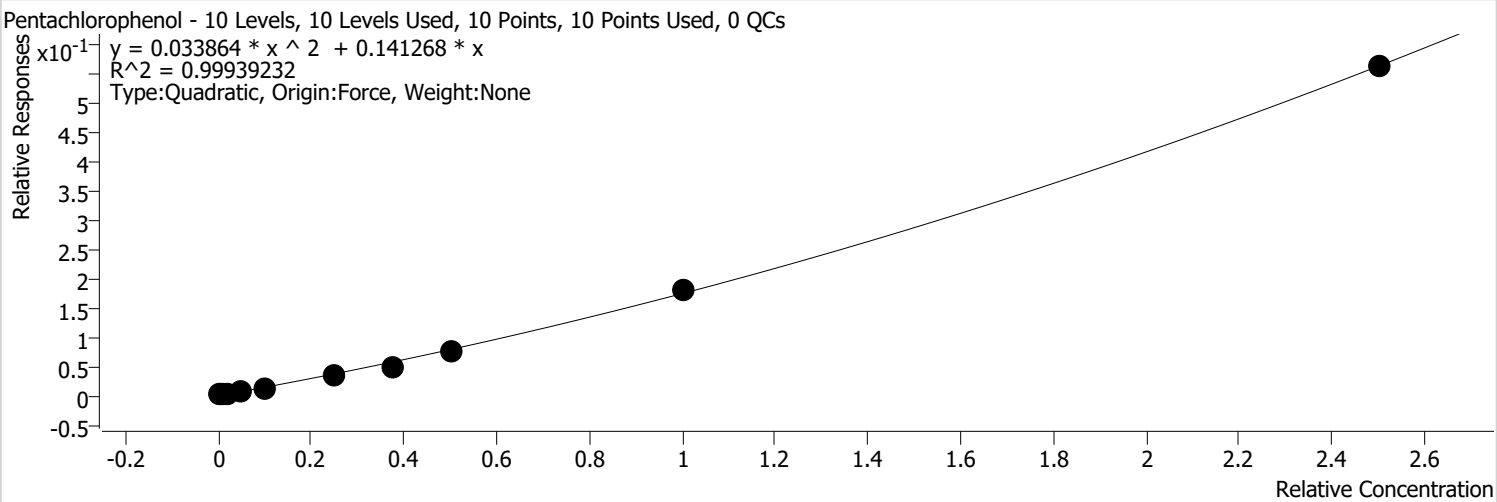
2,4,6-Tribromophenol %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	90	10.0000	0.3911	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	198	20.0000	0.4211	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	362	40.0000	0.4106	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	851	100.0000	0.3778	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	1784	200.0000	0.3945	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	4654	500.0000	0.3947	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	6708	750.0000	0.3777	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	9300	1000.0000	0.3890	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	19244	2000.0000	0.3913	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	47707	5000.0000	0.3983	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

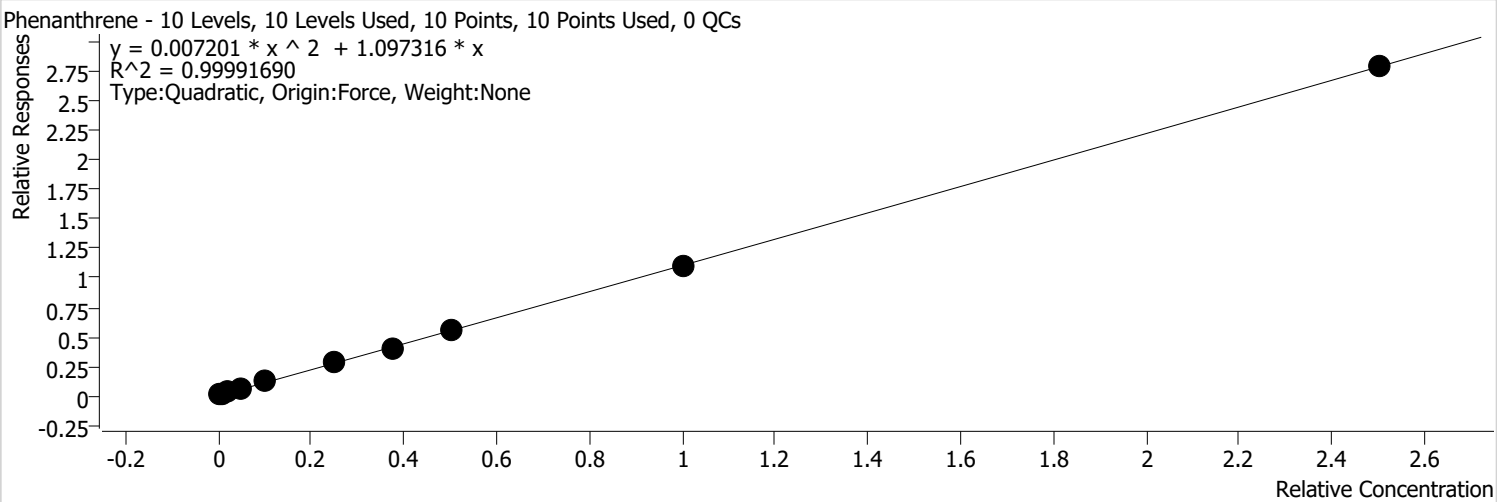
Pentachlorophenol %RSE = 22.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	42	10.0000	0.1826	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	95	20.0000	0.2025	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	141	40.0000	0.1602	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	281	100.0000	0.1247	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	577	200.0000	0.1276	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	1625	500.0000	0.1378	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	2353	750.0000	0.1325	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	3588	1000.0000	0.1501	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	9028	2000.0000	0.1836	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	27017	5000.0000	0.2255	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

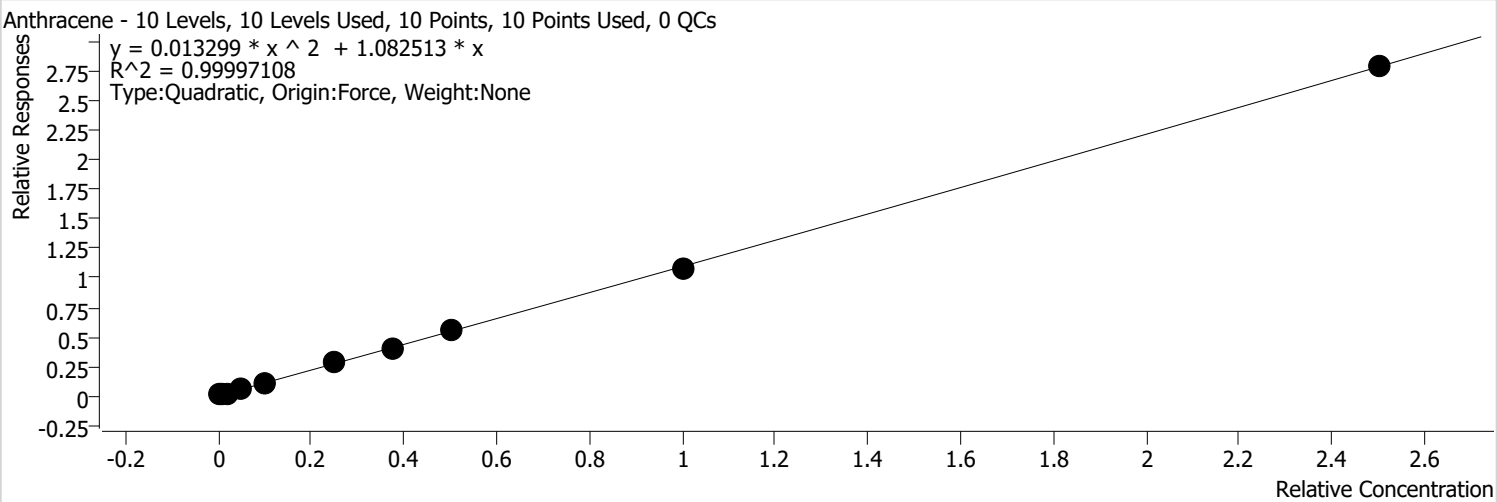
Phenanthrene %RSE = 71.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1361	10.0000	3.0404	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1525	20.0000	1.6683	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2559	40.0000	1.4926	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	5343	100.0000	1.2268	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	10482	200.0000	1.1712	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	26227	500.0000	1.1511	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	37632	750.0000	1.0930	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	52105	1000.0000	1.1097	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	106825	2000.0000	1.0960	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	263021	5000.0000	1.1158	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

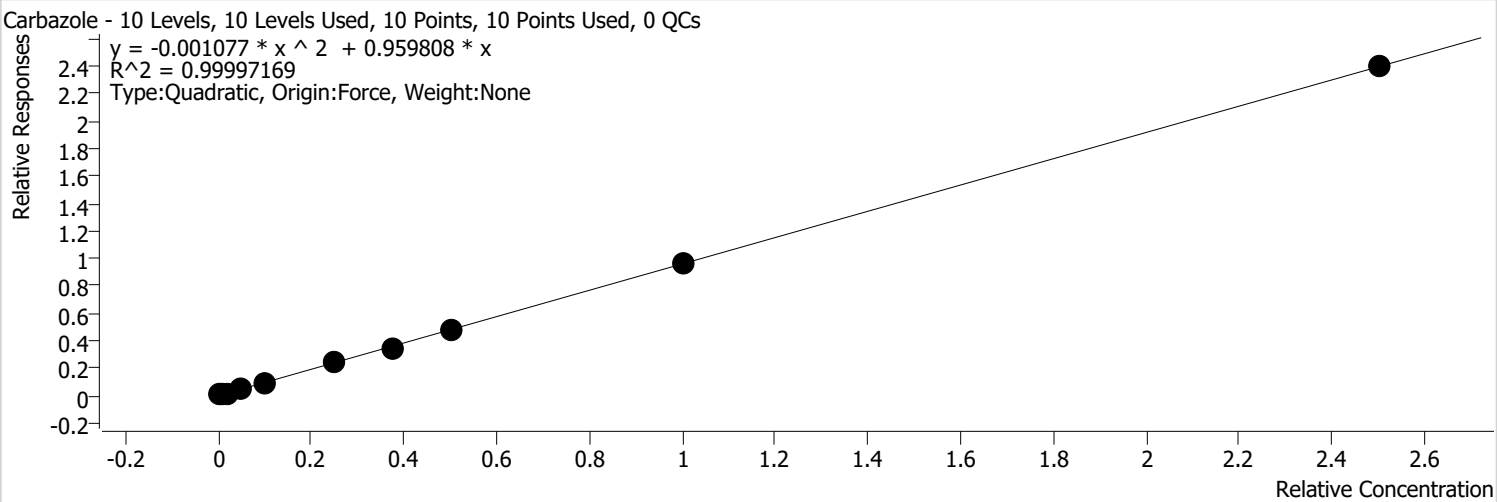
Anthracene %RSE = 15.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	641	10.0000	1.4308	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1183	20.0000	1.2943	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2154	40.0000	1.2566	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4899	100.0000	1.1248	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	10086	200.0000	1.1270	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	25576	500.0000	1.1226	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	37300	750.0000	1.0833	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	51560	1000.0000	1.0981	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	106164	2000.0000	1.0892	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	263098	5000.0000	1.1161	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

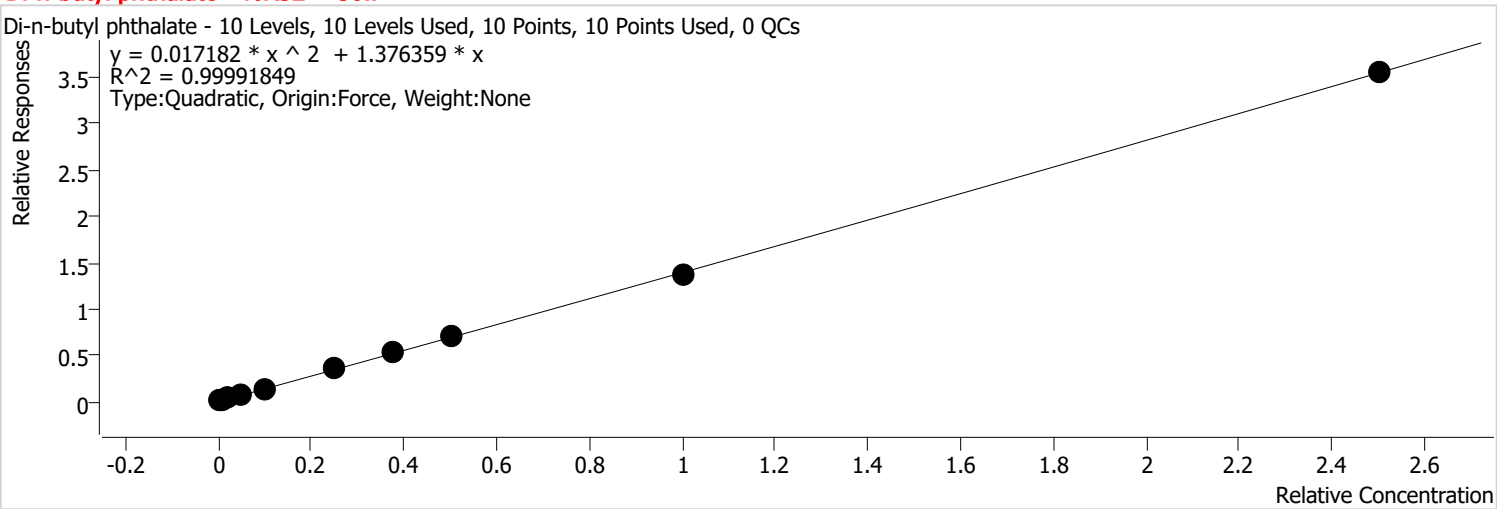
Carbazole %RSE = 3.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	468	10.0000	1.0444	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	897	20.0000	0.9813	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1695	40.0000	0.9888	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4155	100.0000	0.9541	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	8561	200.0000	0.9566	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	22563	500.0000	0.9903	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	32227	750.0000	0.9360	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	45178	1000.0000	0.9622	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	93531	2000.0000	0.9596	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	225616	5000.0000	0.9571	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

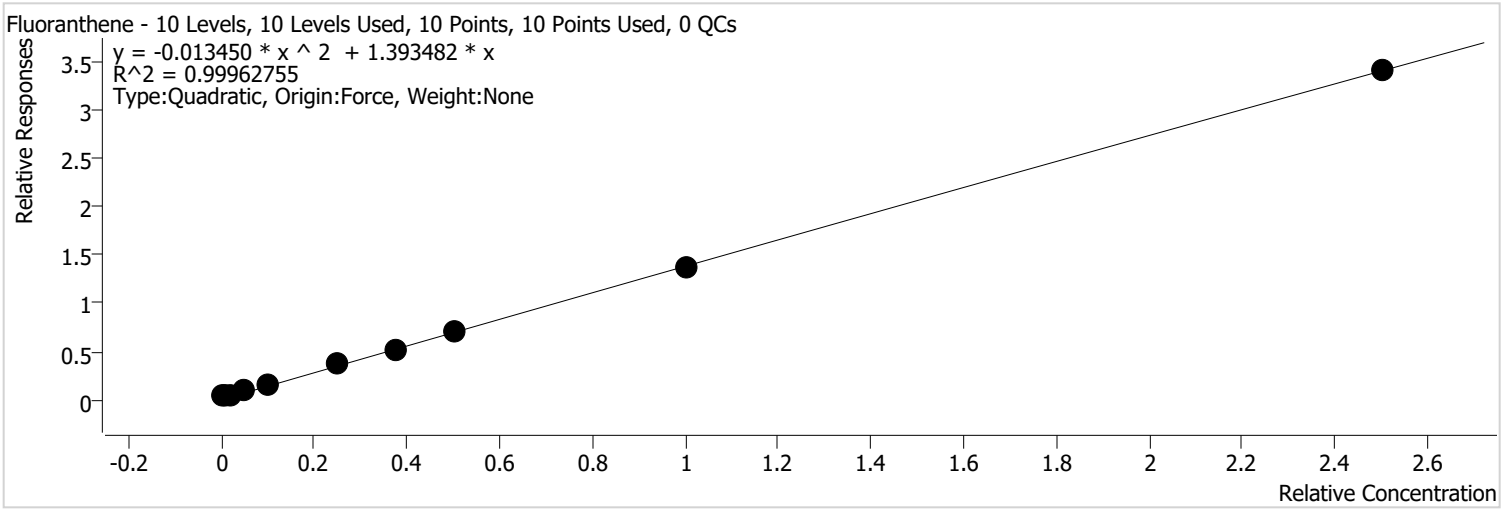
Di-n-butyl phthalate %RSE = 56.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1495	10.0000	3.3393	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1721	20.0000	1.8833	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2978	40.0000	1.7369	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6452	100.0000	1.4813	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	12960	200.0000	1.4481	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	32345	500.0000	1.4197	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48851	750.0000	1.4188	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65674	1000.0000	1.3987	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	134136	2000.0000	1.3762	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	334776	5000.0000	1.4201	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

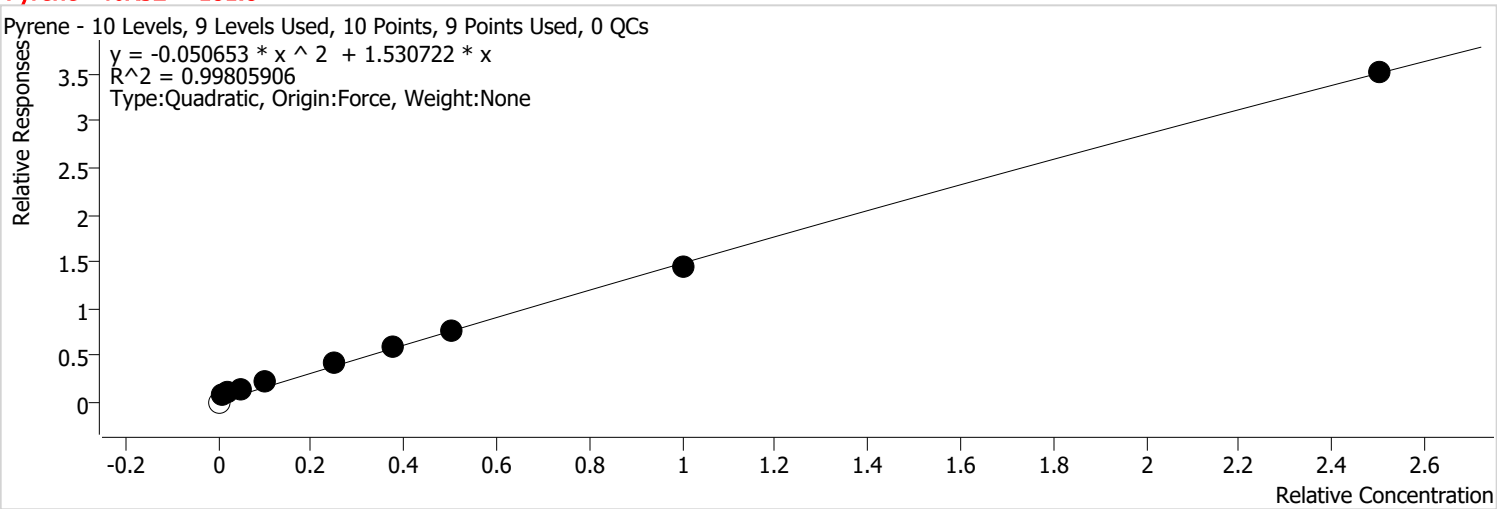
Fluoranthene %RSE = 204.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	3847	10.0000	8.5946	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	2980	20.0000	3.2601	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	4354	40.0000	2.5394	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	7782	100.0000	1.7866	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	14163	200.0000	1.5825	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33370	500.0000	1.4647	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48283	750.0000	1.4023	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65510	1000.0000	1.3952	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	132699	2000.0000	1.3615	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	320795	5000.0000	1.3608	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

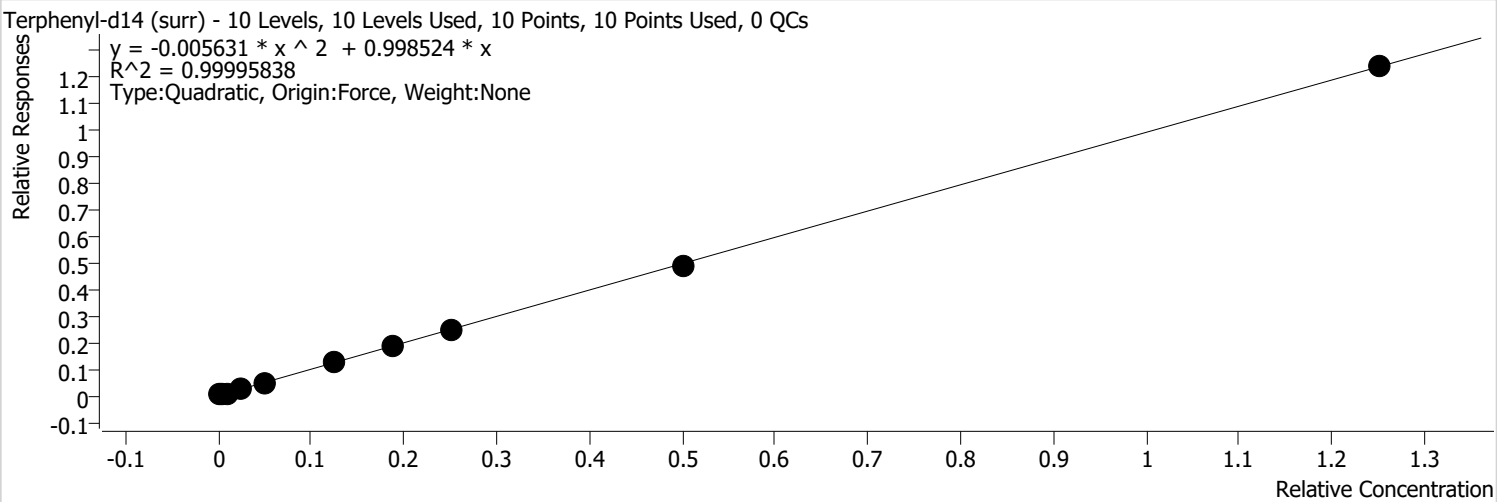
Pyrene %RSE = 181.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1		0	10.0000	0.0000	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	6656	20.0000	7.2815	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	8399	40.0000	4.8990	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	11960	100.0000	2.7460	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	18622	200.0000	2.0808	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	38669	500.0000	1.6973	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	53527	750.0000	1.5546	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	71063	1000.0000	1.5134	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	139869	2000.0000	1.4350	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	331567	5000.0000	1.4065	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

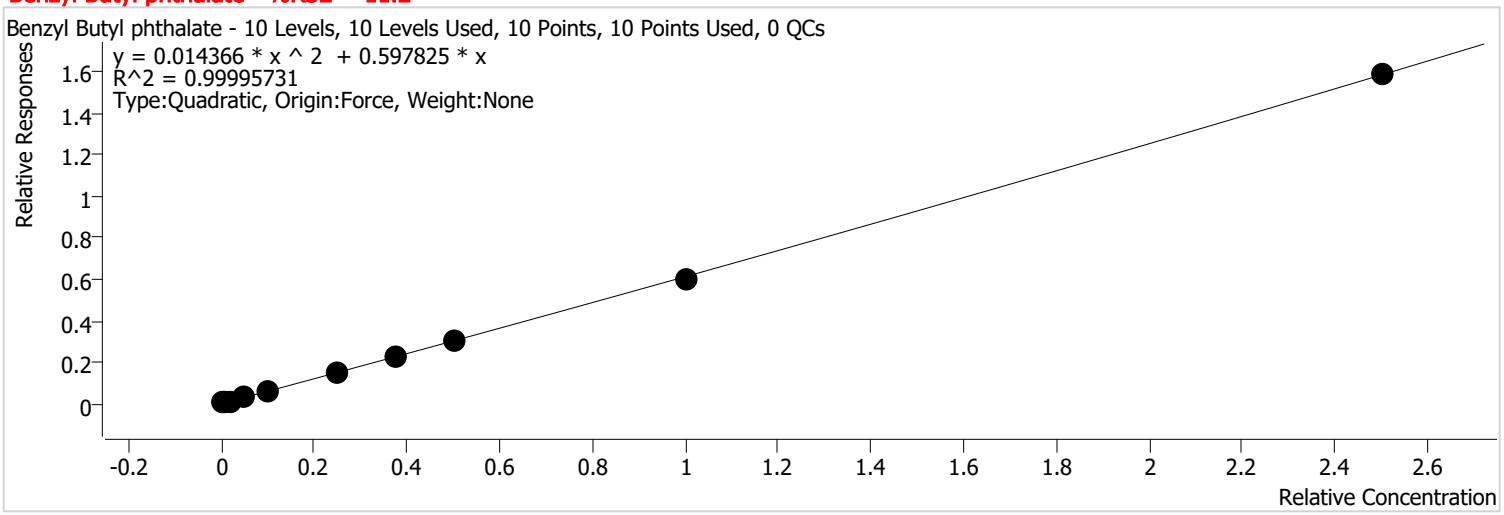
Terphenyl-d14 (surr) %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	252	5.0000	1.1266	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	495	10.0000	1.0842	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	935	20.0000	1.0906	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2250	50.0000	1.0333	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	4642	100.0000	1.0374	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	11776	250.0000	1.0338	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	17240	375.0000	1.0014	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	23684	500.0000	1.0088	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	48091	1000.0000	0.9868	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	116913	2500.0000	0.9919	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

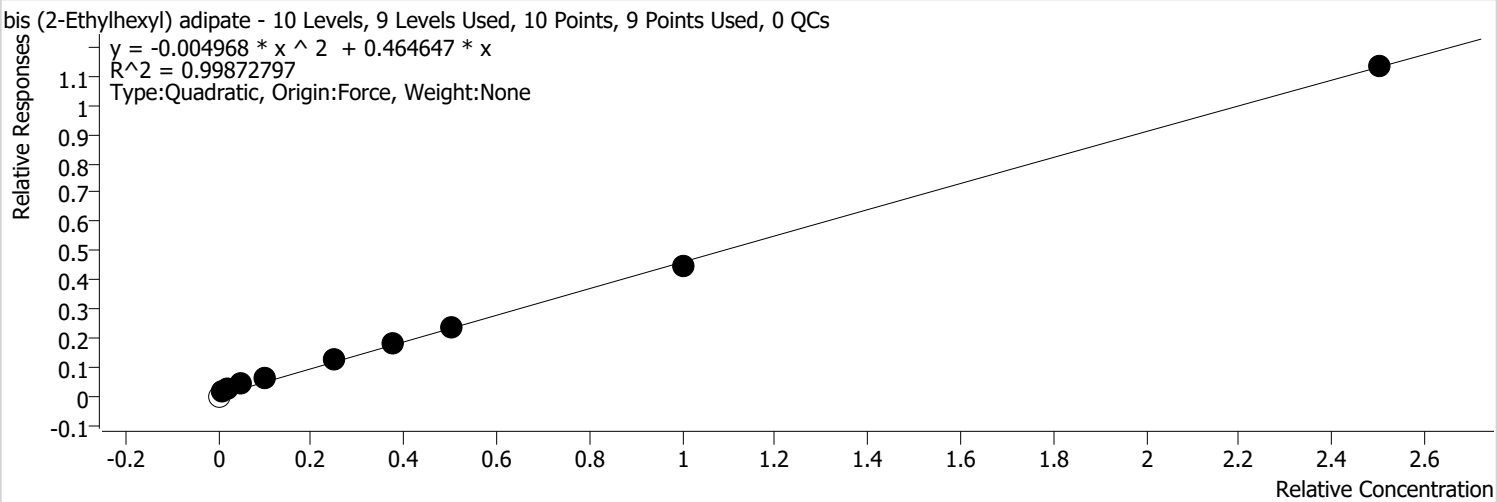
Benzyl Butyl phthalate %RSE = 11.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	342	10.0000	0.7639	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	581	20.0000	0.6352	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1101	40.0000	0.6423	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2644	100.0000	0.6071	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5419	200.0000	0.6056	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	13999	500.0000	0.6145	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	21141	750.0000	0.6140	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	28827	1000.0000	0.6139	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	59034	2000.0000	0.6057	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	149463	5000.0000	0.6340	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

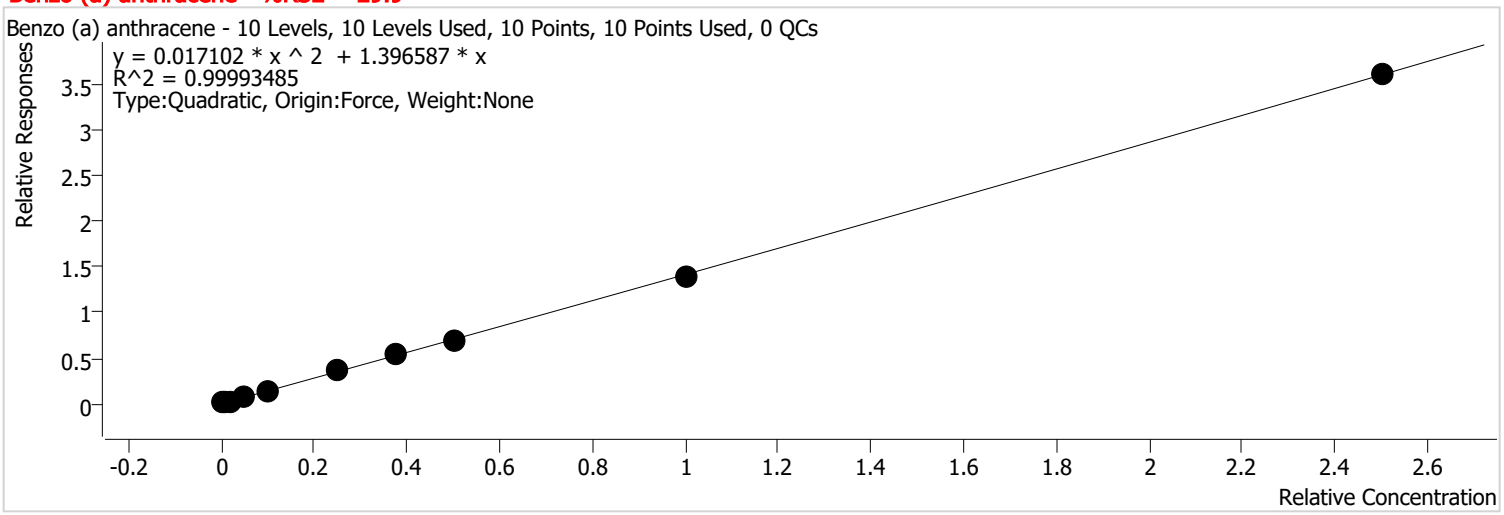
bis (2-Ethylhexyl) adipate %RSE = 148.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1		0	10.0000	0.0000	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1717	20.0000	1.8786	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2268	40.0000	1.3227	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3369	100.0000	0.7735	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5387	200.0000	0.6019	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	11500	500.0000	0.5048	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	16714	750.0000	0.4854	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	21863	1000.0000	0.4656	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	43459	2000.0000	0.4459	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	106776	5000.0000	0.4530	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

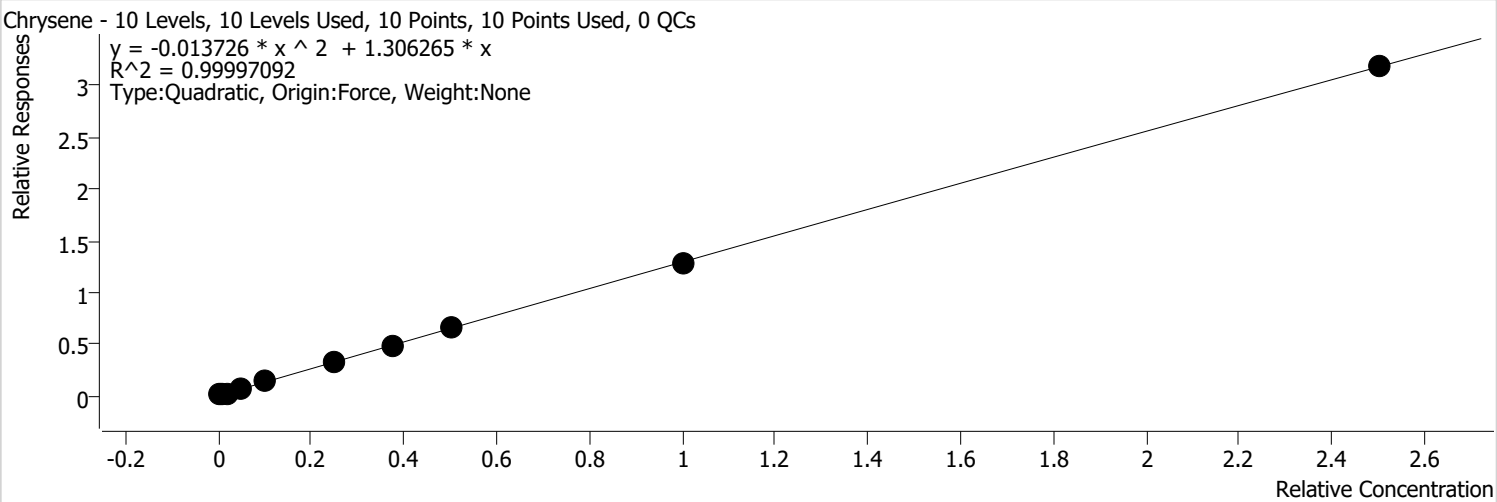
Benzo (a) anthracene %RSE = 29.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1066	10.0000	2.3813	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1642	20.0000	1.7964	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2823	40.0000	1.6466	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6687	100.0000	1.5353	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13101	200.0000	1.4639	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33575	500.0000	1.4737	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48971	750.0000	1.4223	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	66100	1000.0000	1.4077	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	136483	2000.0000	1.4003	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	339464	5000.0000	1.4400	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

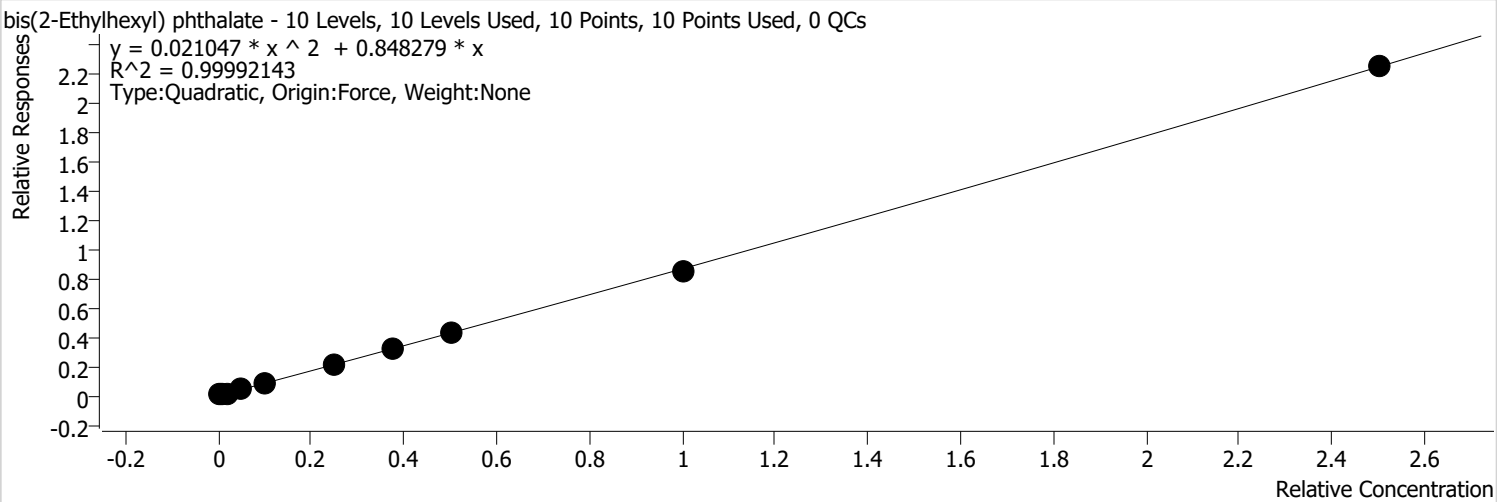
Chrysene %RSE = 10.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	761	10.0000	1.5890	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1404	20.0000	1.4440	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2694	40.0000	1.4804	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6137	100.0000	1.3118	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13155	200.0000	1.3782	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	32483	500.0000	1.3291	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48424	750.0000	1.3126	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65529	1000.0000	1.3101	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	132609	2000.0000	1.2829	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	314503	5000.0000	1.2724	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

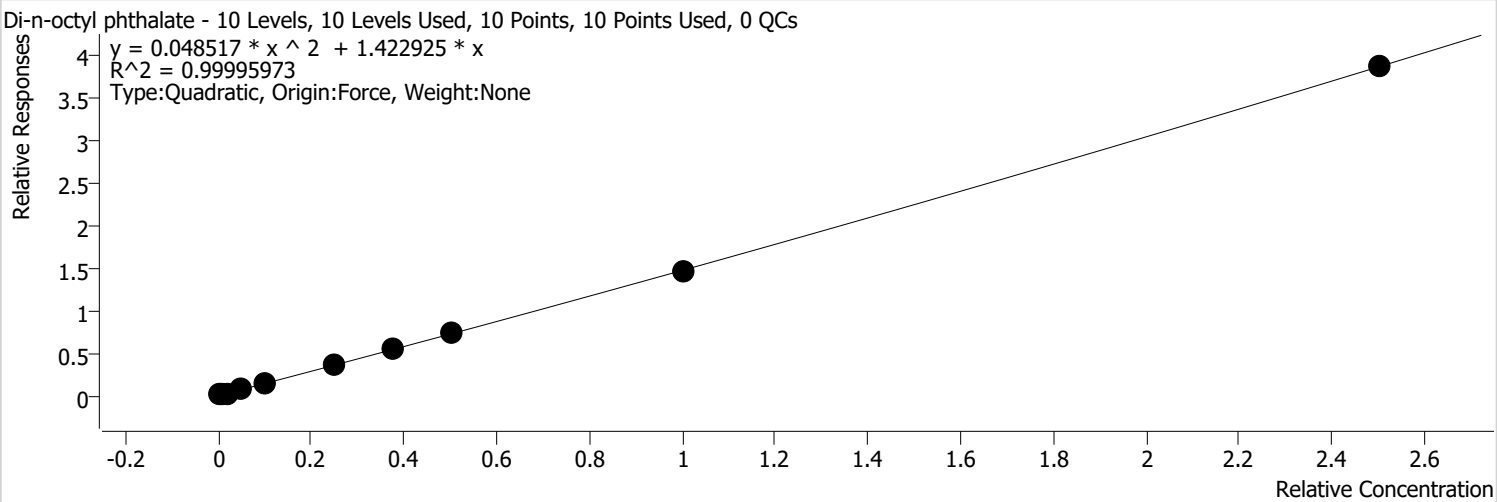
bis(2-Ethylhexyl) phthalate %RSE = 48.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	913	10.0000	1.9054	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1013	20.0000	1.0414	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1806	40.0000	0.9927	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4177	100.0000	0.8929	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	8384	200.0000	0.8784	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	21543	500.0000	0.8814	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	32541	750.0000	0.8821	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	43368	1000.0000	0.8670	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	88691	2000.0000	0.8580	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	222809	5000.0000	0.9014	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

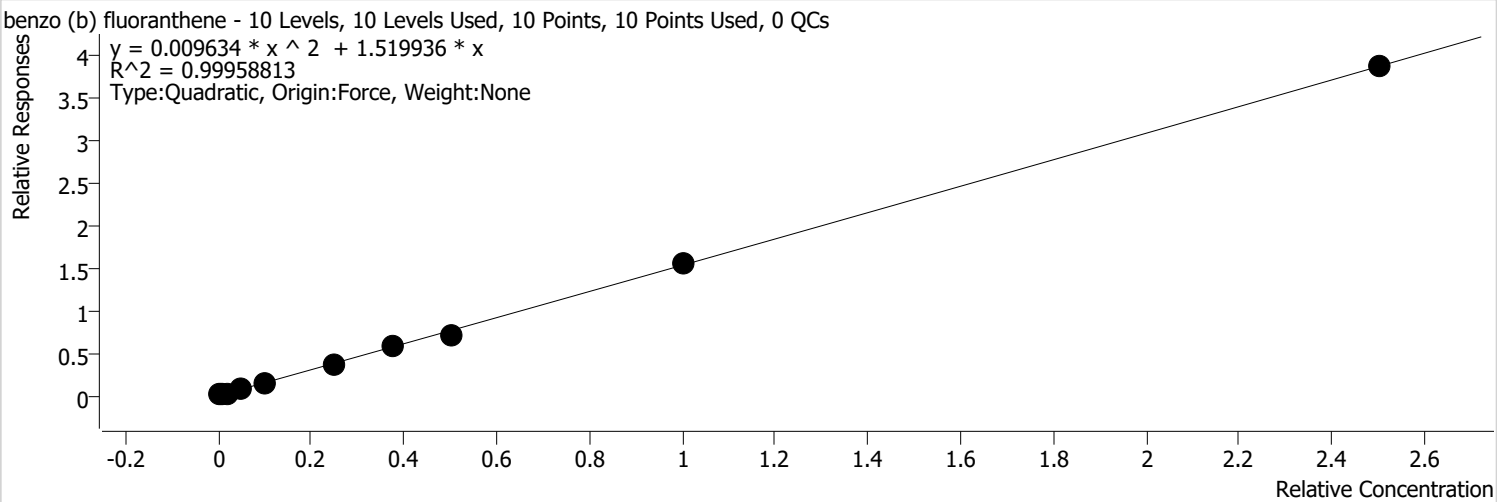
Di-n-octyl phthalate %RSE = 8.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	831	10.0000	1.7341	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1407	20.0000	1.4474	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2698	40.0000	1.4828	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6548	100.0000	1.3997	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13737	200.0000	1.4392	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	35535	500.0000	1.4539	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	54602	750.0000	1.4800	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	73140	1000.0000	1.4622	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	150583	2000.0000	1.4568	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	381850	5000.0000	1.5449	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

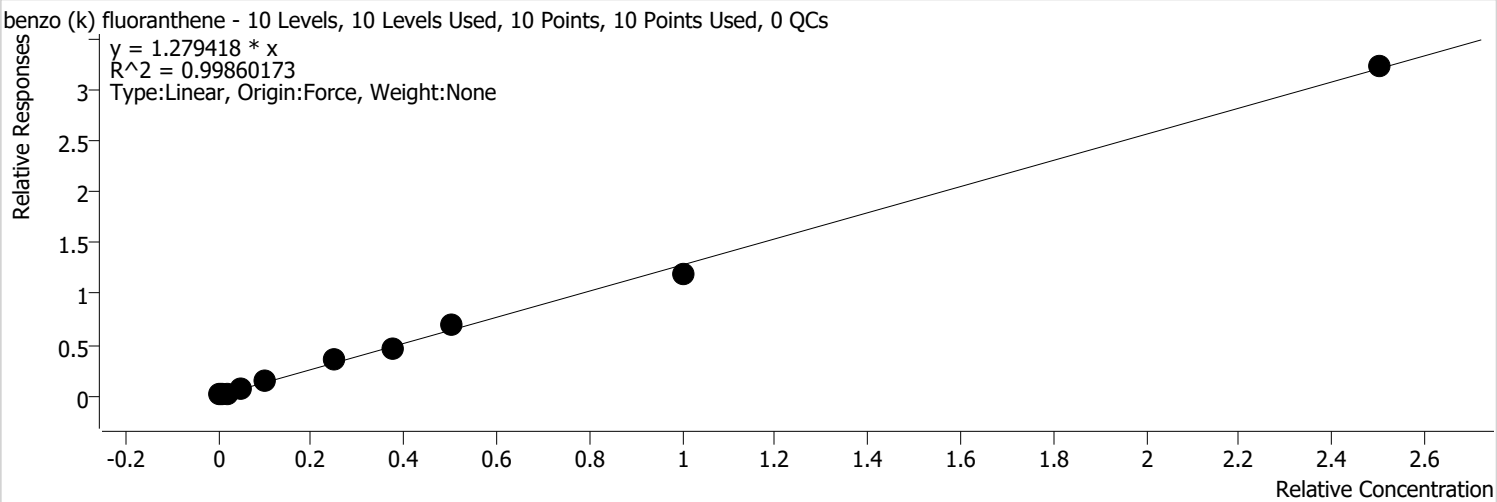
benzo (b) fluoranthene %RSE = 5.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	791	10.0000	1.6517	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1473	20.0000	1.5149	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2848	40.0000	1.5651	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6983	100.0000	1.4926	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	14259	200.0000	1.4938	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	36540	500.0000	1.4951	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	58601	750.0000	1.5884	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	70175	1000.0000	1.4029	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	161285	2000.0000	1.5603	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	381344	5000.0000	1.5428	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

benzo (k) fluoranthene %RSE = 13.2

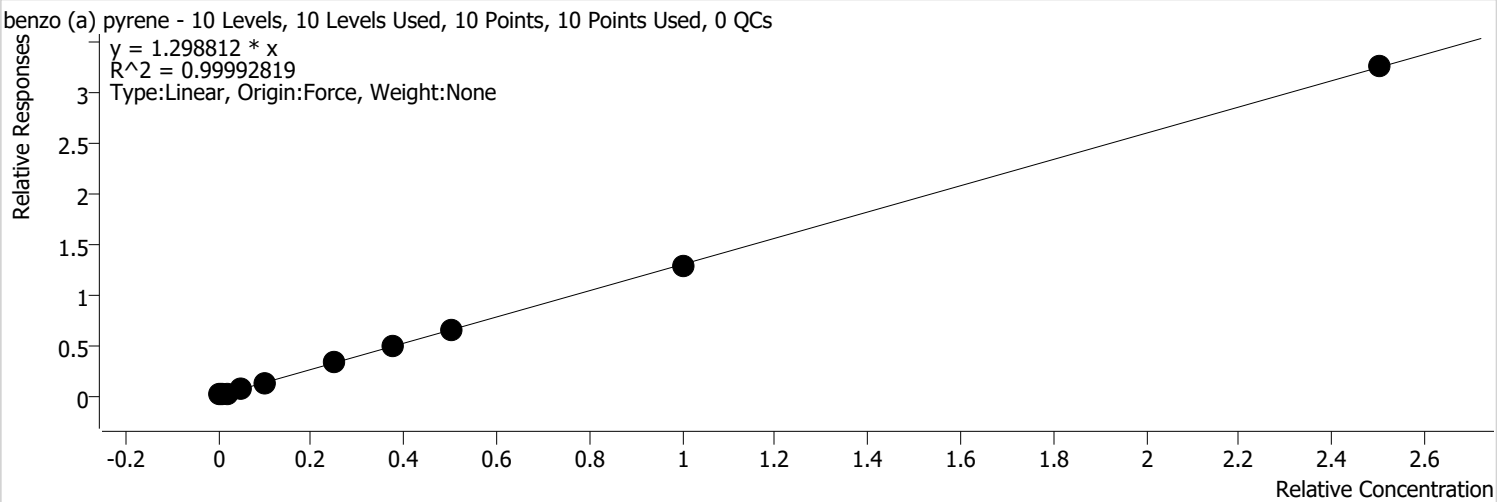


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	748	10.0000	1.5612	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1465	20.0000	1.5067	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2685	40.0000	1.4755	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6471	100.0000	1.3832	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13346	200.0000	1.3982	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33842	500.0000	1.3847	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	45636	750.0000	1.2370	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	70152	1000.0000	1.4025	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	123605	2000.0000	1.1958	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	318239	5000.0000	1.2875	

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

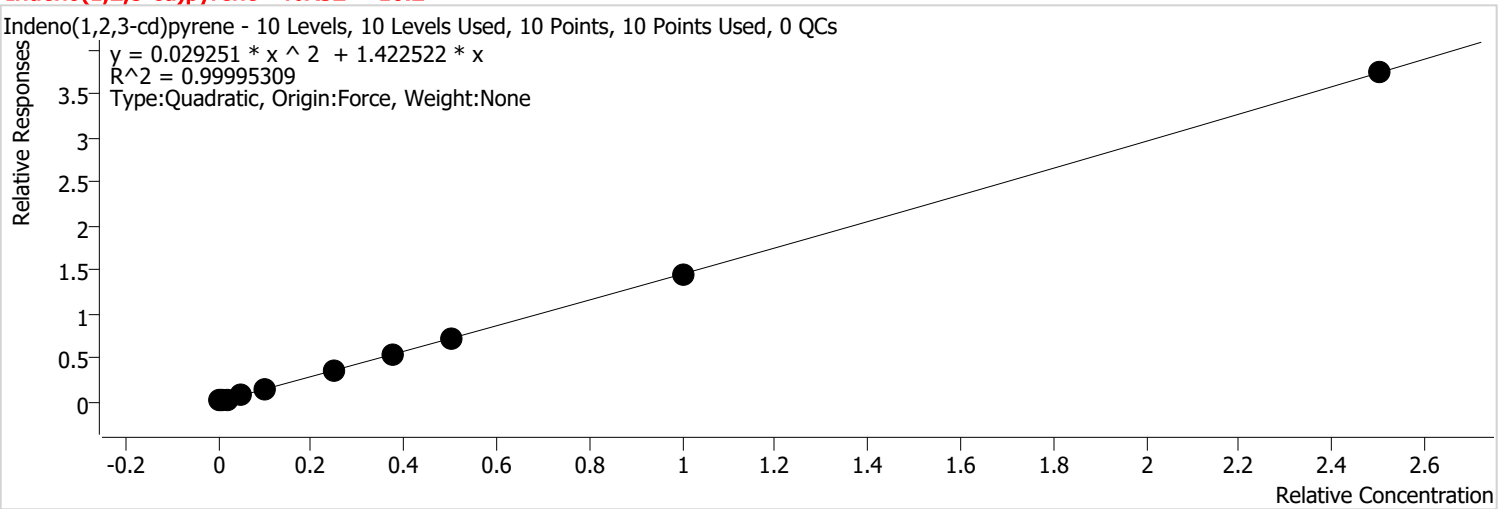
benzo (a) pyrene %RSE = 22.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1002	10.0000	2.0912	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1444	20.0000	1.4855	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2676	40.0000	1.4705	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6107	100.0000	1.3053	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	12441	200.0000	1.3034	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	31707	500.0000	1.2973	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48512	750.0000	1.3149	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65263	1000.0000	1.3047	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	131897	2000.0000	1.2760	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	321779	5000.0000	1.3018	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

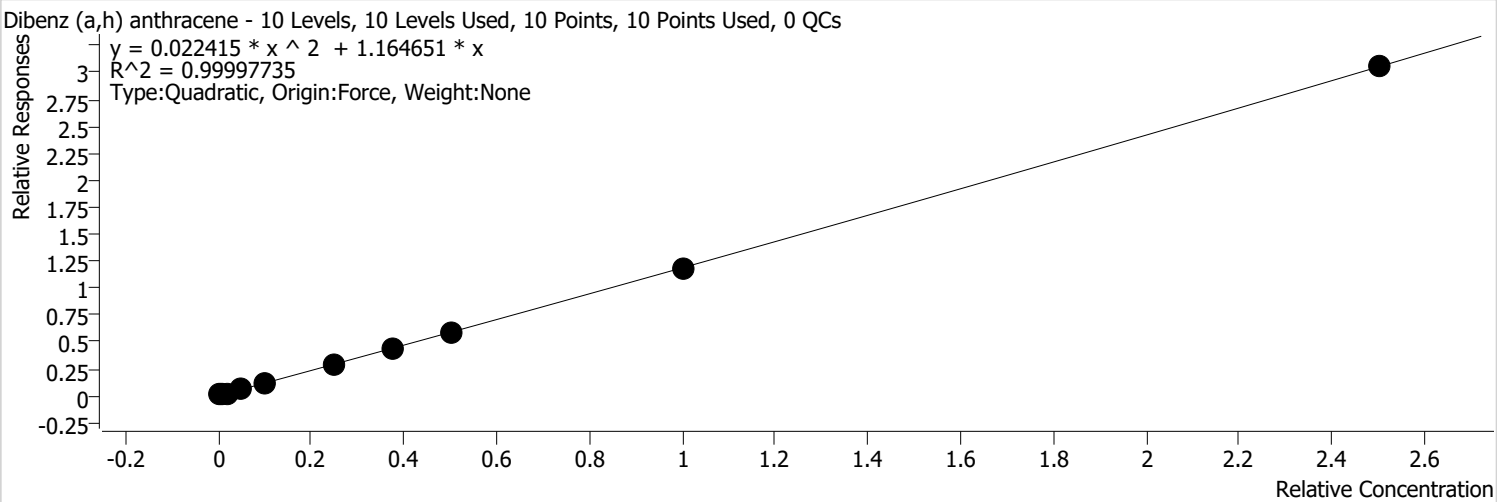
Indeno(1,2,3-cd)pyrene %RSE = 16.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1078	10.0000	1.9788	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1738	20.0000	1.5756	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	3303	40.0000	1.6048	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	7770	100.0000	1.4641	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	15937	200.0000	1.4703	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	40639	500.0000	1.4713	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	60409	750.0000	1.4516	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	81206	1000.0000	1.4585	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	165581	2000.0000	1.4361	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	414477	5000.0000	1.4964	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Dibenz (a,h) anthracene %RSE = 8.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	744	10.0000	1.3651	
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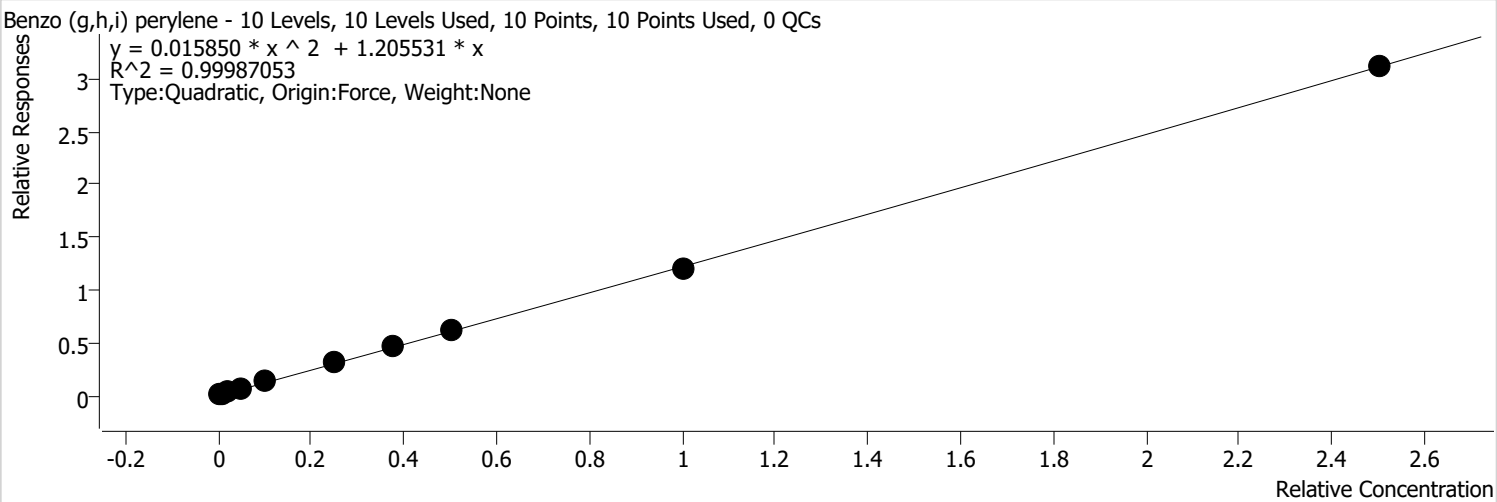
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2665	40.0000	1.2952	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6293	100.0000	1.1858	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	12932	200.0000	1.1930	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33004	500.0000	1.1949	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	49359	750.0000	1.1861	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	66020	1000.0000	1.1857	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	135851	2000.0000	1.1783	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	338231	5000.0000	1.2211	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Benzo (g,h,i) perylene %RSE = 80.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1961	10.0000	3.5991	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	2154	20.0000	1.9524	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	3573	40.0000	1.7361	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	7292	100.0000	1.3740	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	14191	200.0000	1.3092	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	34875	500.0000	1.2626	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	51304	750.0000	1.2328	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	68376	1000.0000	1.2280	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	138864	2000.0000	1.2044	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	345125	5000.0000	1.2460	

Semivolatile Calibration

Date: 08/16/21

Analyst: Sam Berman

MeCl2: 5994

Cal		ICV	
IM 25795	8270 Megamix: 24893		8270 Megamix: 24990
	2,4-DNP: 24998		2,4-DNP: 24501
	Benzoic Acid: 25025		Benzoic Acid: 23305

8270 Surrogate: 25514

IS 25765

Spike Conc. (ppb)	BN/Acid Surr Conc. (ppb)	2° Spike (uL)	B/N Surr (uL)	Internal Standard (uL)	Remove (uL)	Final Vol. (mL)	(mL) @270 MM SS	(mL) Comments 2DNP SS	(mL) HBZ SS
10	10/5	1	--	10	11	1			
20	20/10	2	--	10	12	1			
40	40/20	4	--	10	14	1			
100	100/50	10	--	10	20	1			
200	200/100	20	--	10	30	1			
500	500/250	~~40~~ 50	--	10	60	1			
750	750/375	75	--	10	85	1			
1000	1000/500	100	--	10	110	1			
2000	2000/1000	200	--	10	210	1			
5000	5000/2500	500	--	10	510	1			
ICB	1000/500		~~15~~	10	~~11~~ 15	1			
ICV (1000 ppb)	1000/500	100 (2° SS)		10	~~110~~ 19	1	1	1	1

8/9 8/11/21 8/9 8/11/21

	Mega Mix (uL)	2,4-DNP (uL)	Benzoic Acid (uL)	8270 Surr (uL)	Final Volume (mL)
2° Intermediate (cal)	100	100	100	100	10
2° Intermediate (SS)	50	50	50	50	5

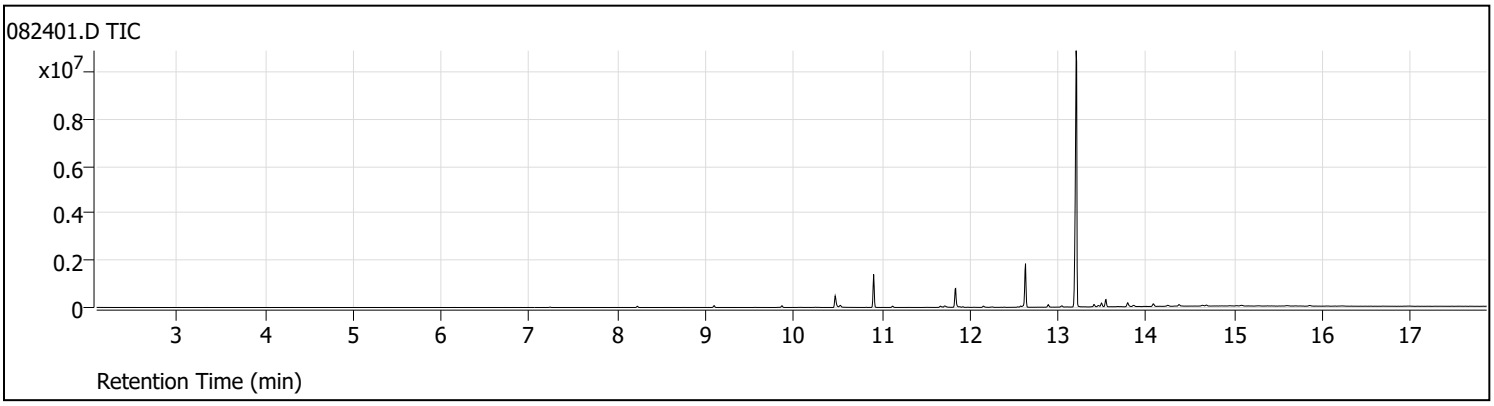
Signature and Date: 08/16/21

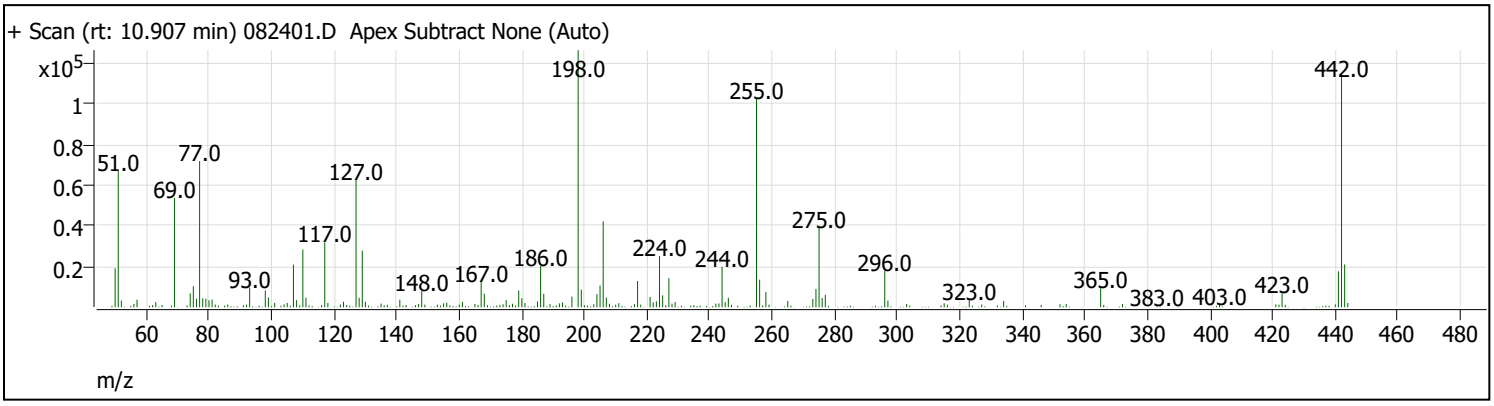
Signature: EM

Tunes

Tune Evaluation Report

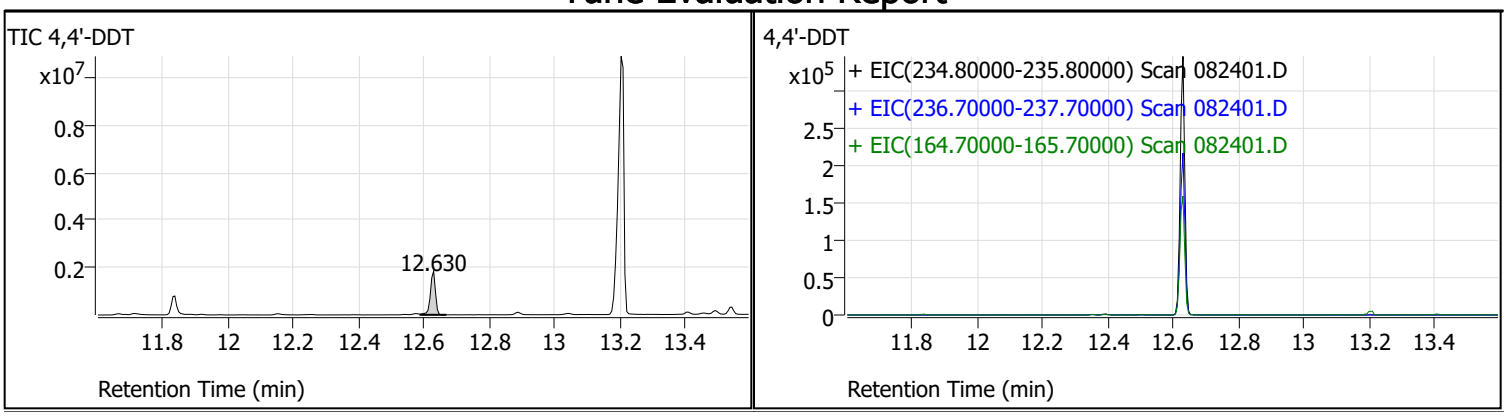
Data Path:	C:\GC-14\Data\2021\082421\082401.D
Acq on:	8/24/2021 8:05:10 AM
Operator:	FA\GC14
Sample:	TUNE
Inst Name:	GC-14
ALS Vial:	1
Method:	C:\GC-14\Methods\Quant Methods\TUNE\DFTPPwBreak&TailingGC218270E.m

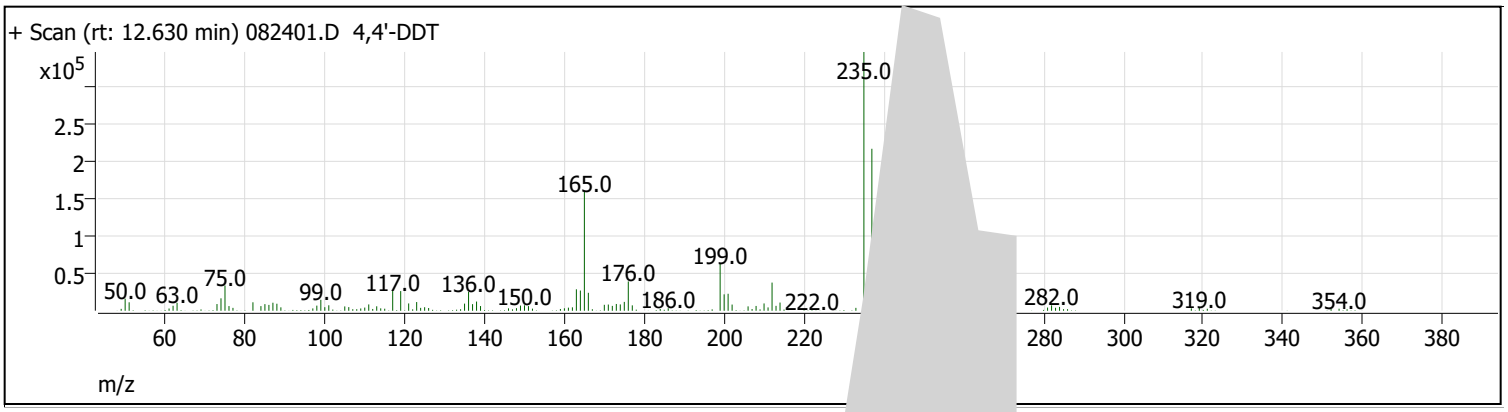


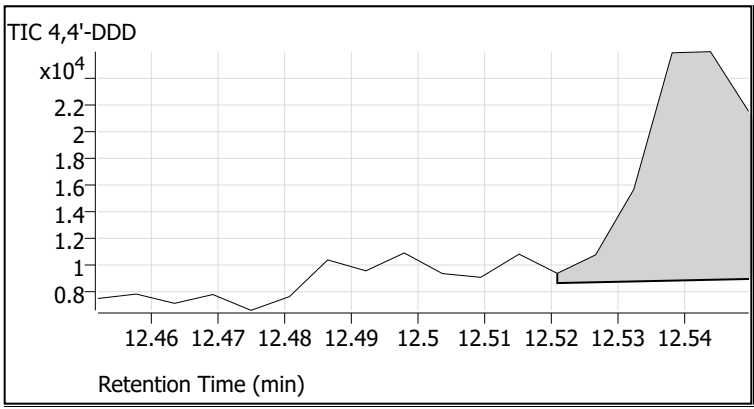


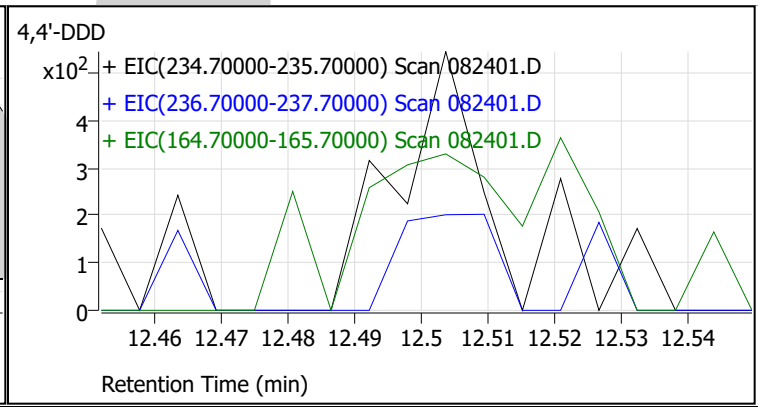
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	1.5	810	Pass
70	69	0	2	0.4	193	Pass
197	198	0	2	0.0	0	Pass
198	198	100	100	100.0	126312	Pass
199	198	5	9	6.9	8671	Pass
365	198	1	100	7.3	9274	Pass
441	443	1E-10	150	84.0	17688	Pass
442	442	100	100	100.0	114832	Pass
443	442	15	24	18.3	21048	Pass
69	69	100	100	100.0	53752	Pass

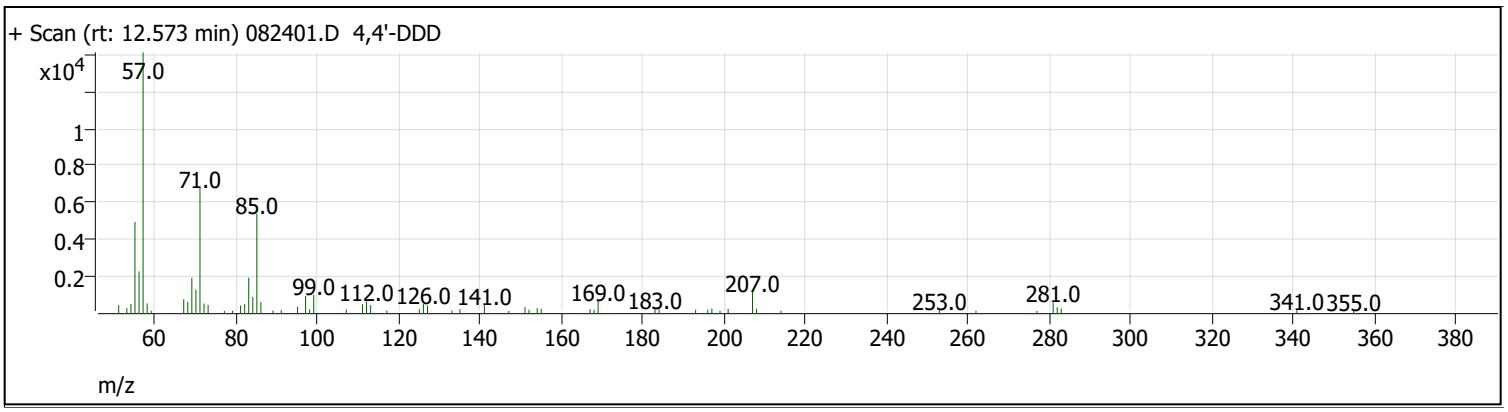
Tune Evaluation Report





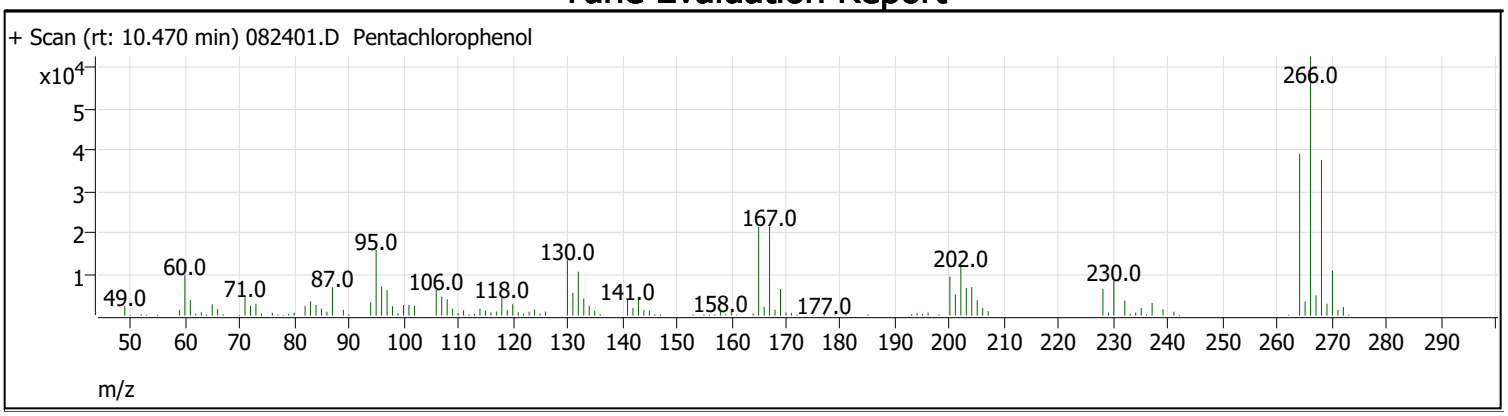


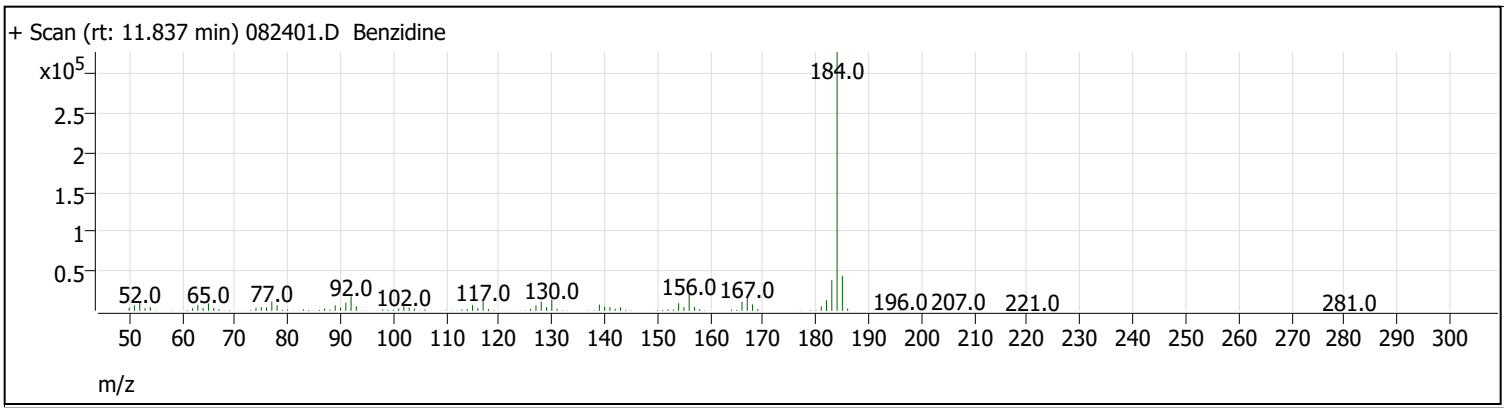




Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	12.600	12.630	1961410	4.4	Pass
4,4'-DDD	12.500	12.573	89588		

Tune Evaluation Report

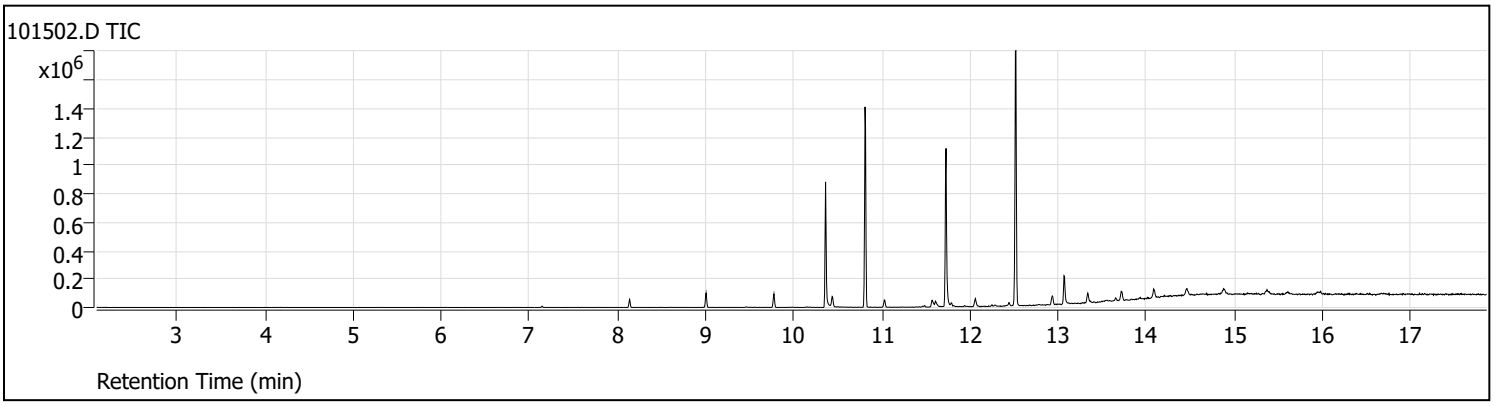


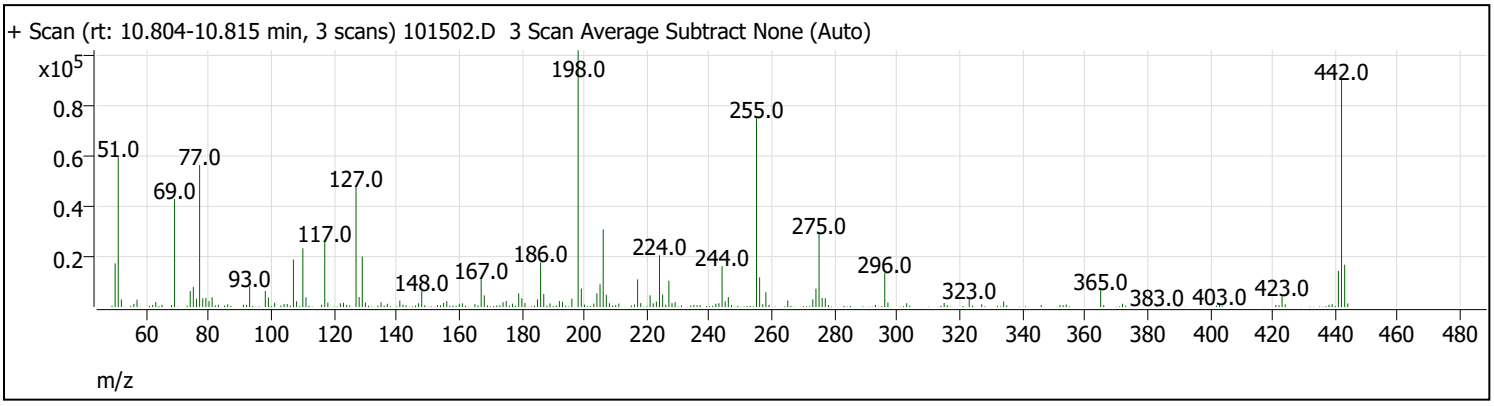


Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	10.540	10.470	1.9	2.8	Pass
Benzidine	11.906	11.837	0.9	3.2	Pass

Tune Evaluation Report

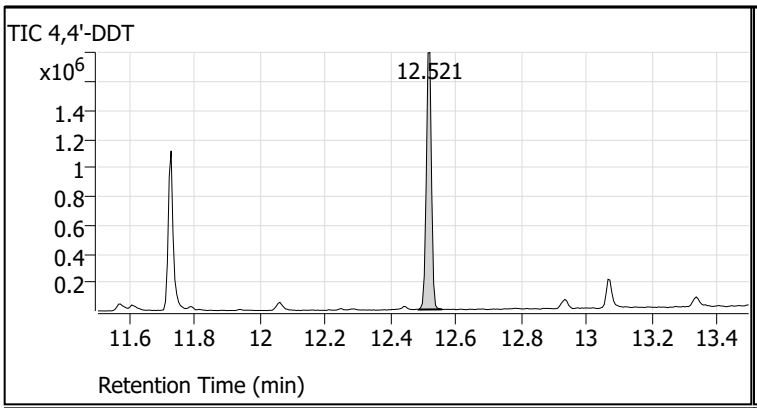
Data Path:	C:\GC-14\Data\2021\101521\101502.D
Acq on:	10/15/2021 9:19:11 AM
Operator:	FA\gc14
Sample:	TUNE
Inst Name:	GC-14
ALS Vial:	1
Method:	C:\GC-14\Methods\Quant Methods\TUNE\DFTPPwBreak&TailingGC218270E.m

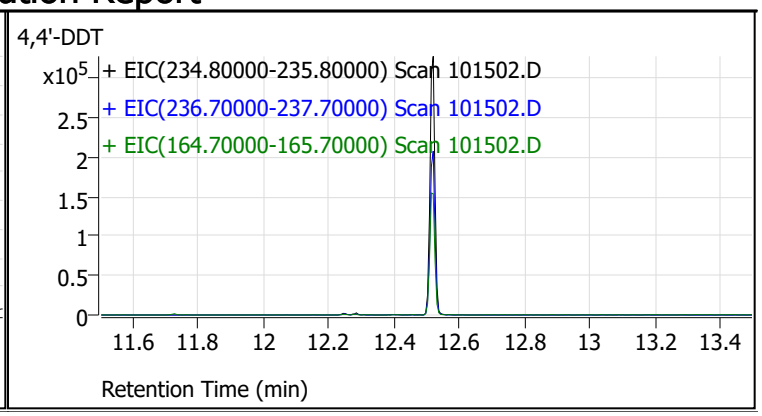


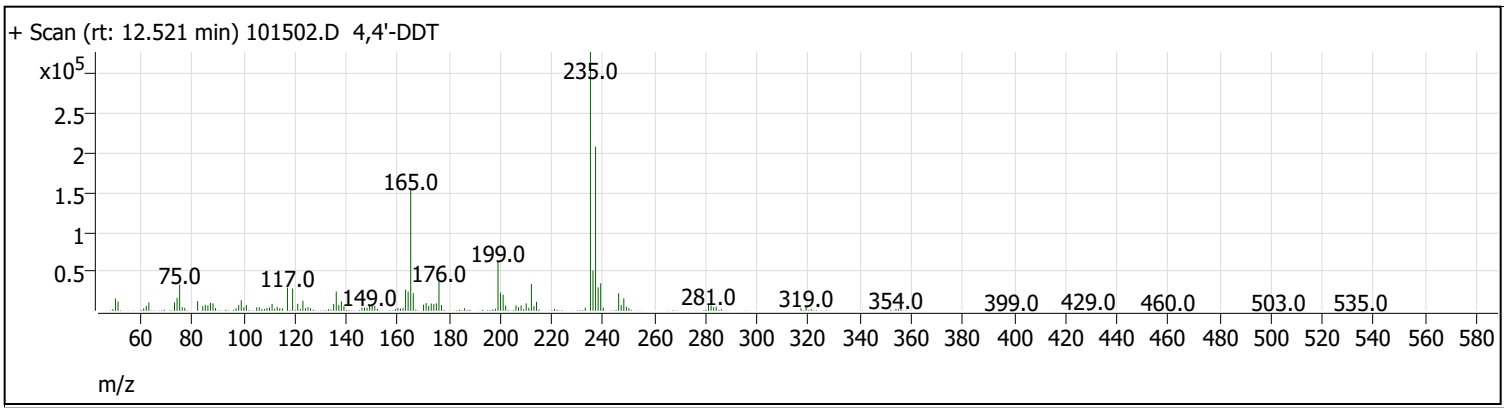


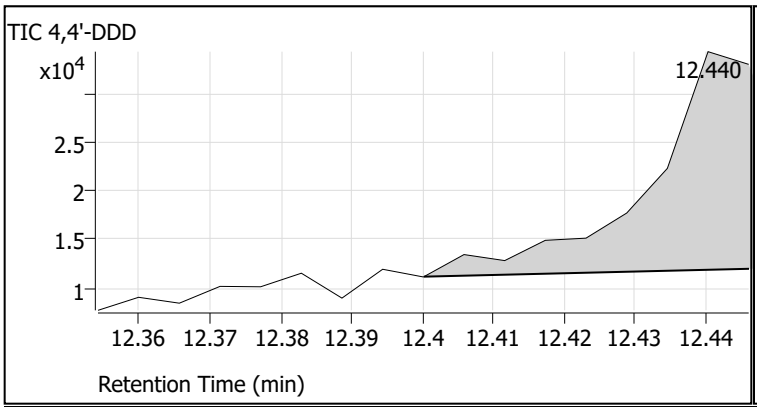
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	1.8	786	Pass
70	69	0	2	0.4	190	Pass
197	198	0	2	0.0	0	Pass
198	198	100	100	100.0	102376	Pass
199	198	5	9	7.2	7385	Pass
365	198	1	100	6.7	6874	Pass
441	443	1E-10	150	85.3	14423	Pass
442	442	100	100	100.0	90669	Pass
443	442	15	24	18.6	16901	Pass
69	69	100	100	100.0	43144	Pass

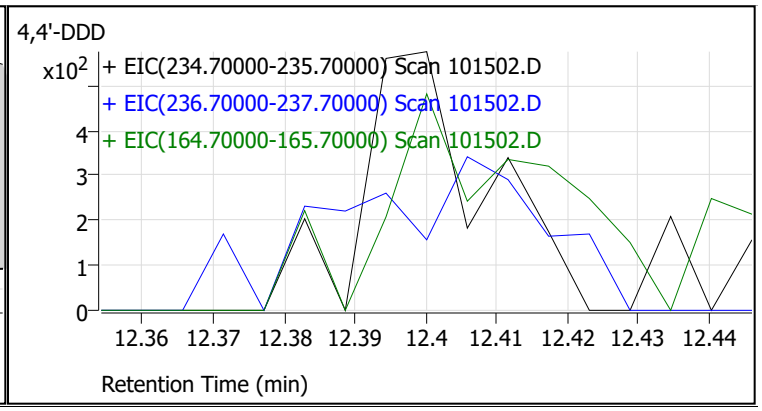
Tune Evaluation Report

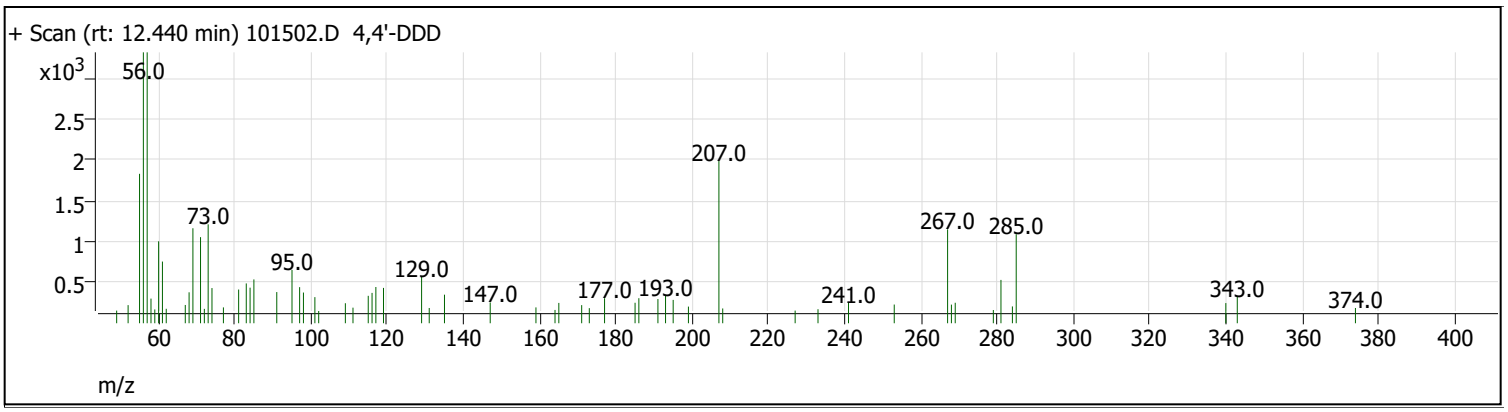






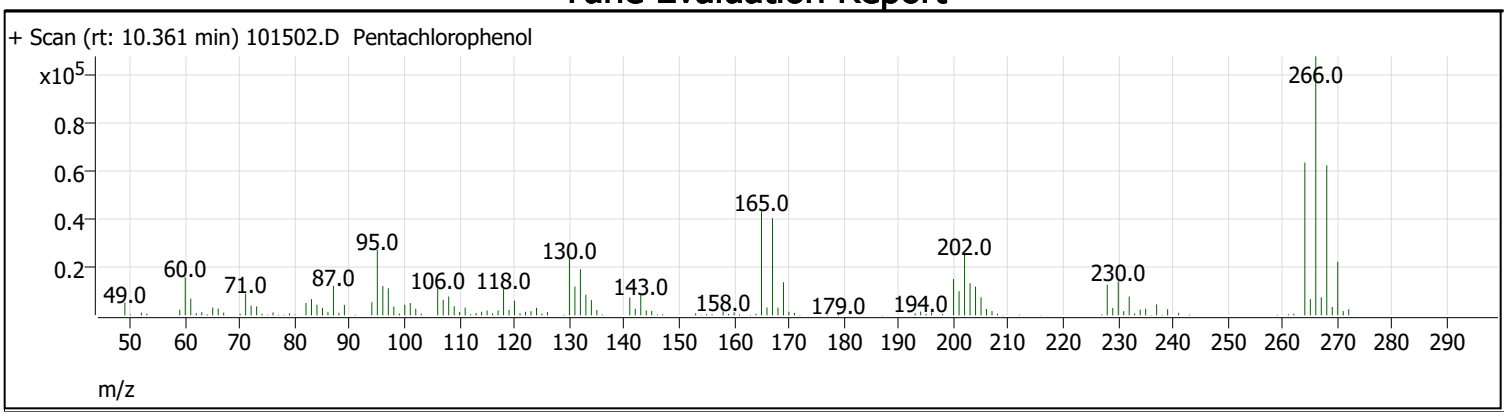


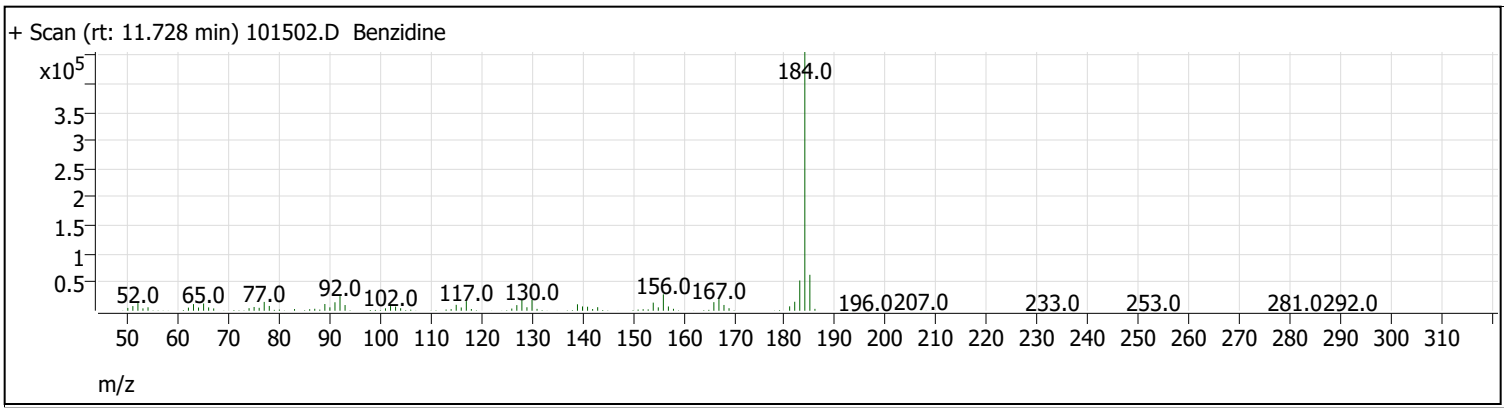




Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	12.500	12.521	1991909	1.4	Pass
4,4'-DDD	12.400	12.440	28851		

Tune Evaluation Report

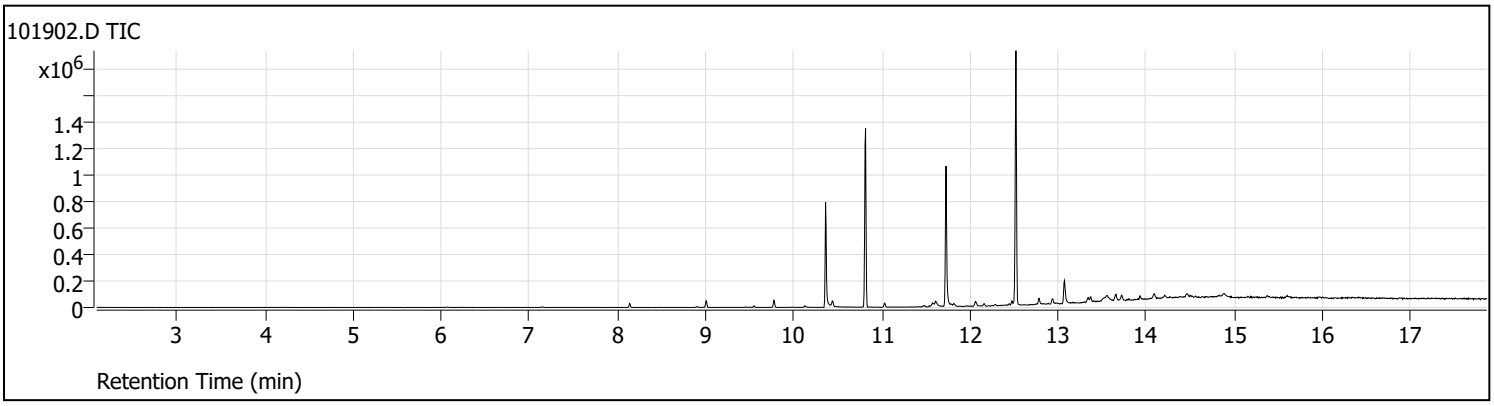


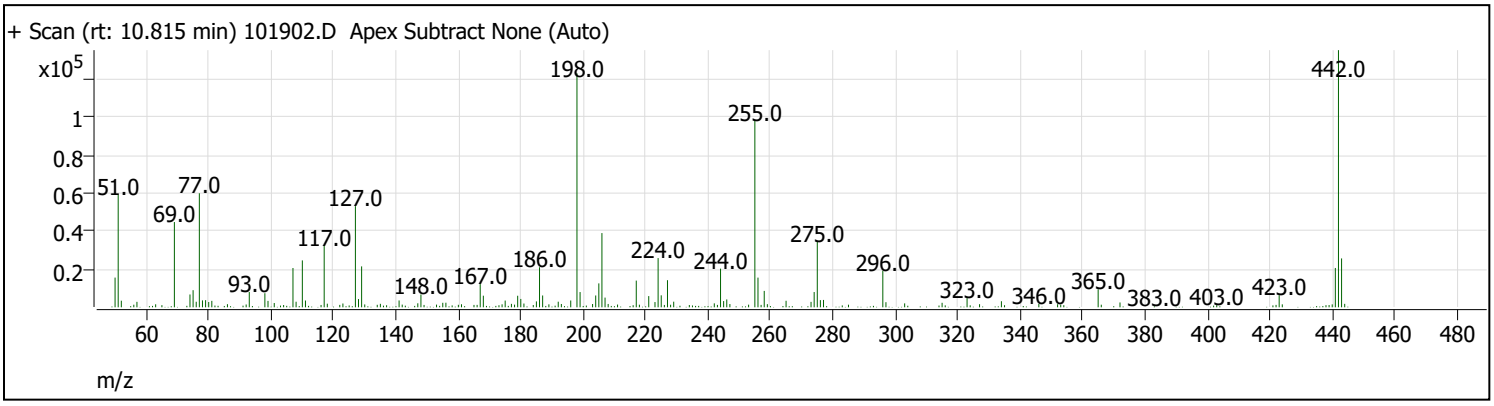


Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	10.360	10.361	1.3	3.7	Pass
Benzidine	11.728	11.728	1.1	3.5	Pass

Tune Evaluation Report

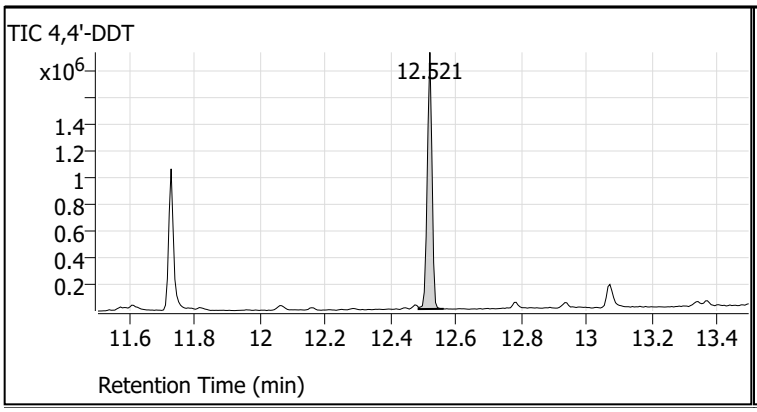
Data Path:	C:\GC-14\Data\2021\101521\101902.D
Acq on:	10/19/2021 9:12:00 AM
Operator:	FA\gc14
Sample:	TUNE
Inst Name:	GC-14
ALS Vial:	1
Method:	C:\GC-14\Methods\Quant Methods\TUNE\DFTPPwBreak&TailingGC218270E.m

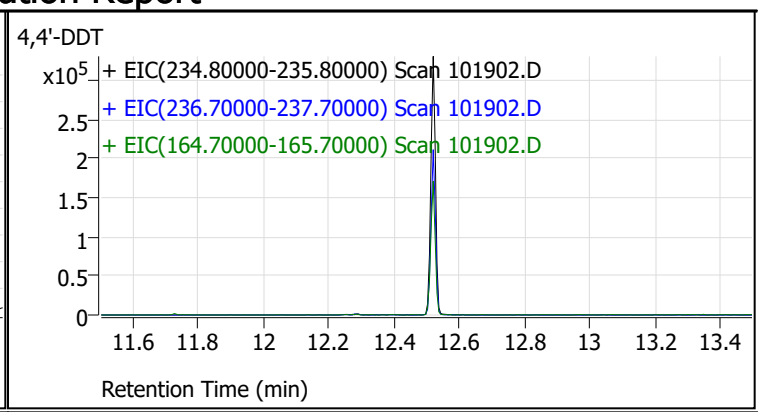


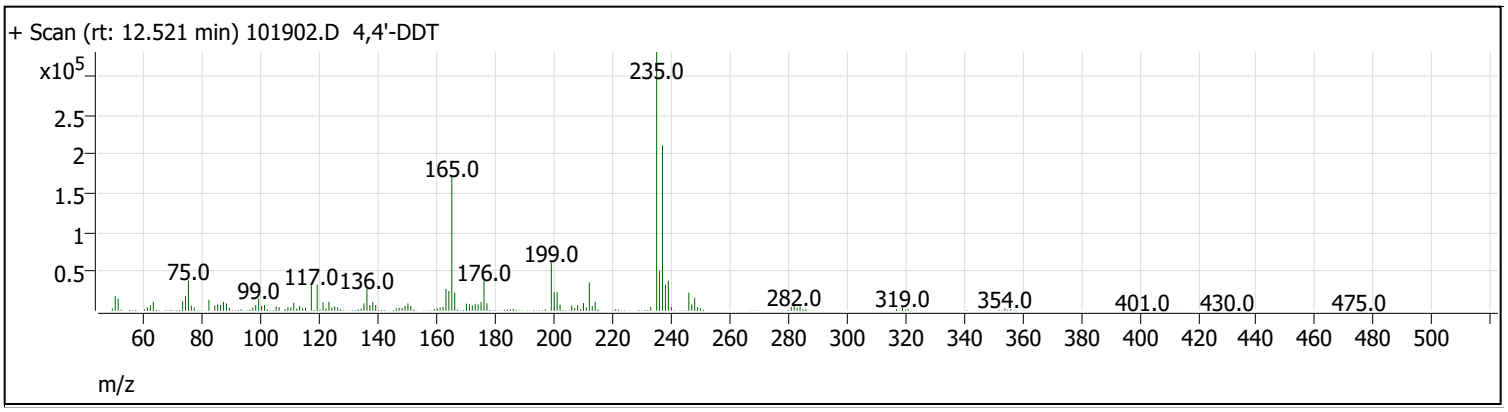


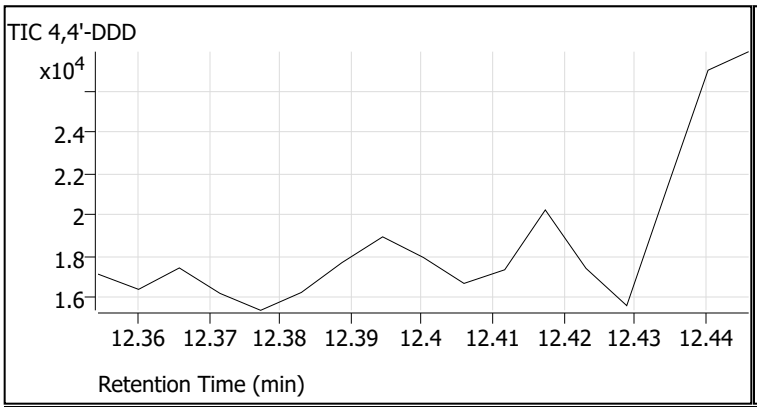
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	1.2	551	Pass
70	69	0	2	0.4	193	Pass
197	198	0	2	0.0	0	Pass
198	198	100	100	100.0	122960	Pass
199	198	5	9	6.5	8006	Pass
365	442	1	100	7.0	9490	Pass
441	443	1E-10	150	80.4	20664	Pass
442	442	100	100	100.0	135168	Pass
443	442	15	24	19.0	25688	Pass
69	69	100	100	100.0	44808	Pass

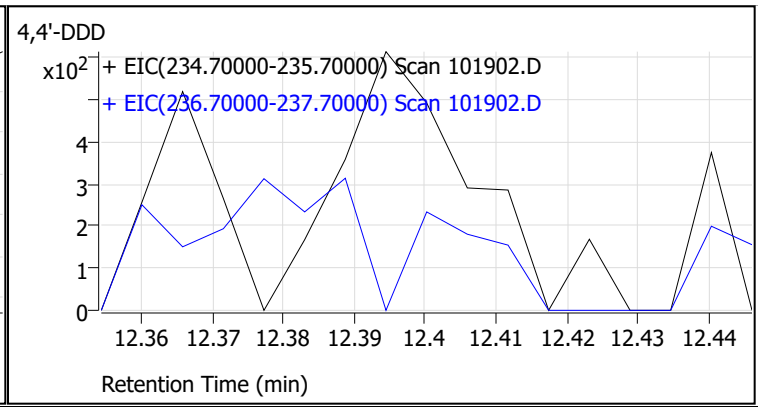
Tune Evaluation Report

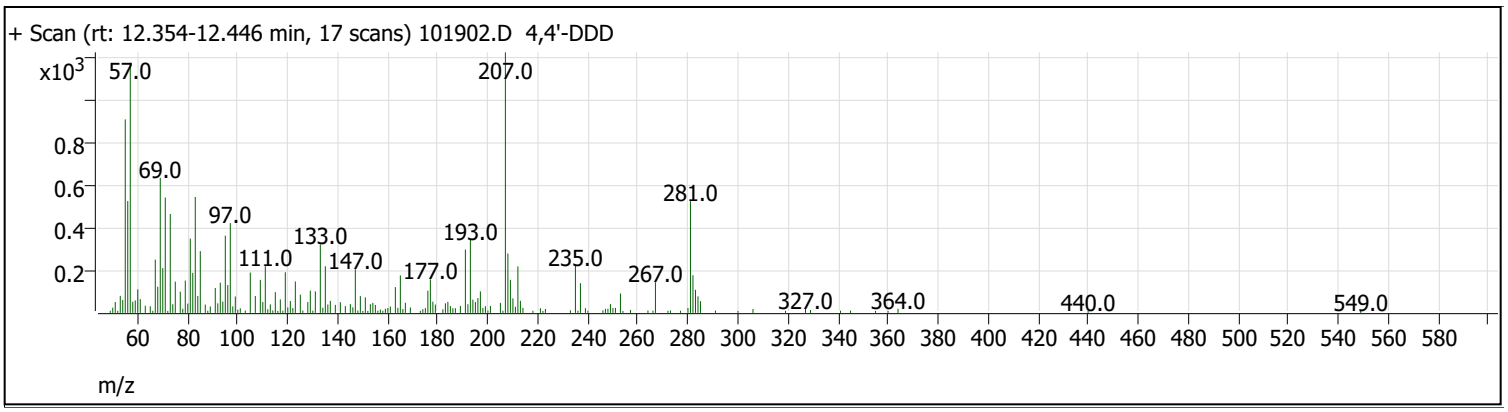






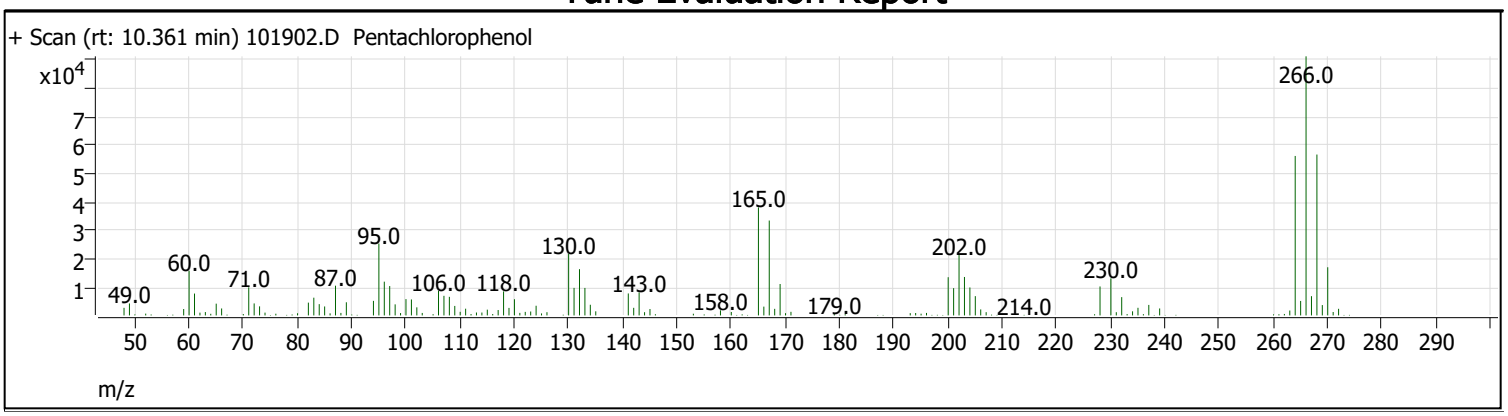


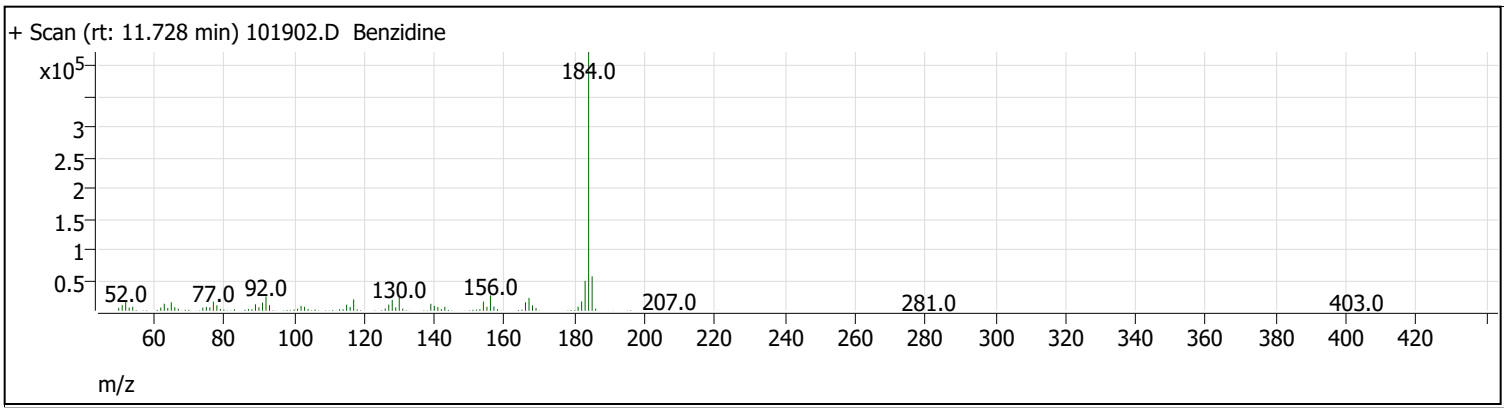




Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	12.500	12.521	1922265	0.0	Pass
4,4'-DDD	12.400	0.000	0		

Tune Evaluation Report





Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	10.360	10.361	1.7	6.3	Pass
Benzidine	11.728	11.728	1.2	5.7	Pass

DATA SET for Review -- Deliverable Requirements

Polychlorinated Biphenyls (PCB) by EPA 8082

Fremont Analytical Work Order No. 2110219

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information

Injection Log

Data Directory: D:\GC-16\Data\2021\093021\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 093034.D	8081_8082A_608.M			
No data found			0.000	N/A
2) 093001.D	8081_8082A_608.M			
CO		6	1.000	30 Sep 2021 07:54 am
3) 093002.D	8081_8082A_608.M			
1660 10		11	1.000	30 Sep 2021 08:04 am
4) 093003.D	8081_8082A_608.M			
1660 20		12	1.000	30 Sep 2021 08:14 am
5) 093004.D	8081_8082A_608.M			
1660 50		13	1.000	30 Sep 2021 08:24 am
6) 093005.D	8081_8082A_608.M			
1660 100		14	1.000	30 Sep 2021 08:33 am
7) 093006.D	8081_8082A_608.M			
1660 200		15	1.000	30 Sep 2021 08:43 am
8) 093007.D	8081_8082A_608.M			
1660 500		16	1.000	30 Sep 2021 08:53 am
9) 093008.D	8081_8082A_608.M			
1660 1000		17	1.000	30 Sep 2021 09:02 am
10) 093009.D	8081_8082A_608.M			
1660 2000		18	1.000	30 Sep 2021 09:12 am
11) 093010.D	8081_8082A_608.M			
1660 ICB		19	1.000	30 Sep 2021 09:22 am
12) 093011.D	8081_8082A_608.M			
1660 ICV		20	1.000	30 Sep 2021 09:32 am
13) 093012.D	8081_8082A_608.M			
1254 10		21	1.000	30 Sep 2021 09:41 am
14) 093013.D	8081_8082A_608.M			
1660 ICV		20	1.000	30 Sep 2021 09:51 am
15) 093014.D	8081_8082A_608.M			
1254 20		22	1.000	30 Sep 2021 10:02 am
16) 093015.D	8081_8082A_608.M			
1254 50		23	1.000	30 Sep 2021 10:12 am
17) 093016.D	8081_8082A_608.M			
1254 100		24	1.000	30 Sep 2021 10:22 am
18) 093017.D	8081_8082A_608.M			
1254 200		25	1.000	30 Sep 2021 10:33 am
19) 093018.D	8081_8082A_608.M			
1254 500		26	1.000	30 Sep 2021 10:42 am
20) 093019.D	8081_8082A_608.M			
1254 1000		27	1.000	30 Sep 2021 10:52 am
21) 093020.D	8081_8082A_608.M			
1254 2000		28	1.000	30 Sep 2021 11:02 am

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 22) 093021.D              8081_8082A_608.M
1254 ICB                                29    1.000     30 Sep 2021  11:12 am
  ------------------------------------------------------------------------------
 23) 093022.D              8081_8082A_608.M
1254 ICV                                30    1.000     30 Sep 2021  11:21 am
  ------------------------------------------------------------------------------
 24) 093023.D              8081_8082A_608.M
1660-CCV-33867A                         17    1.000     30 Sep 2021  11:31 am
  ------------------------------------------------------------------------------
 25) 093024.D              8081_8082A_608.M
1254-CCV-33867A                         27    1.000     30 Sep 2021  11:41 am
  ------------------------------------------------------------------------------
 26) 093025.D              8081_8082A_608.M
MB-33867                                31    1.000     30 Sep 2021  11:50 am
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 27) 093026.D              8081_8082A_608.M
LCS1-33867                              32    1.000     30 Sep 2021  12:00 pm
  ------------------------------------------------------------------------------
 28) 093027.D              8081_8082A_608.M
LCS1D-33867                             33    1.000     30 Sep 2021  12:10 pm
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 29) 093028.D              8081_8082A_608.M
LCS2-33867                              34    1.000     30 Sep 2021  12:20 pm
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 30) 093029.D              8081_8082A_608.M
LCS-LL-33867                            35    1.000     30 Sep 2021  12:29 pm
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 31) 093030.D              8081_8082A_608.M
2109469-001A                            44    1.000     30 Sep 2021  12:39 pm
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 32) 093031.D              8081_8082A_608.M
2109469-001AMS                          45    1.000     30 Sep 2021  12:49 pm
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 33) 093032.D              8081_8082A_608.M
2109390-011E                            36    1.000     30 Sep 2021  12:58 pm
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 34) 093033.D              8081_8082A_608.M
2109397-003C                            37    1.000     30 Sep 2021  01:08 pm
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Injection Log

Data Directory: D:\GC-16\Data\2021\101921\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
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3) 101902.D	8081_8082A_608.M			
CO		7	1.000	19 Oct 2021 09:02 am
4) 101903.D	8081_8082A_608.M			
1660-CCV-		6	1.000	19 Oct 2021 09:12 am
5) 101904.D	8081_8082A_608.M			
1254-CCV-		7	1.000	19 Oct 2021 09:22 am
6) 101905.D	8081_8082A_608.M			
1242-CCV-		8	1.000	19 Oct 2021 09:31 am
7) 101906.D	8081_8082A_608.M			
MB-34068		121	1.000	19 Oct 2021 09:45 am
8) 101907.D	8081_8082A_608.M			
LCS1-34068		122	1.000	19 Oct 2021 09:55 am
9) 101908.D	8081_8082A_608.M			
LCS1D-34068		123	1.000	19 Oct 2021 10:05 am
10) 101909.D	8081_8082A_608.M			
LCS2-34068		124	1.000	19 Oct 2021 10:15 am
11) 101910.D	8081_8082A_608.M			
LCS-LL-34068		125	1.000	19 Oct 2021 10:24 am
12) 101911.D	8081_8082A_608.M			
2110070-003A		126	1.000	19 Oct 2021 10:34 am
13) 101912.D	8081_8082A_608.M			
2110070-003A 10X		133	1.000	19 Oct 2021 10:44 am
14) 101913.D	8081_8082A_608.M			
2110174-001D		127	1.000	19 Oct 2021 10:54 am
15) 101914.D	8081_8082A_608.M			
2110174-003D		128	1.000	19 Oct 2021 11:03 am
16) 101915.D	8081_8082A_608.M			
2110224-001A		129	1.000	19 Oct 2021 11:13 am
17) 101916.D	8081_8082A_608.M			
2110224-001AMS		130	1.000	19 Oct 2021 11:23 am
18) 101917.D	8081_8082A_608.M			
2110225-001D		131	1.000	19 Oct 2021 11:33 am
19) 101918.D	8081_8082A_608.M			
2110228-001A		132	1.000	19 Oct 2021 11:42 am
20) 101919.D	8081_8082A_608.M			
MB-34064		111	1.000	19 Oct 2021 11:52 am
21) 101920.D	8081_8082A_608.M			
LCS1-34064		112	1.000	19 Oct 2021 12:02 pm

22) 101921.D 8081_8082A_608.M
LCS2-34064 113 1.000 19 Oct 2021 12:12 pm

23) 101922.D 8081_8082A_608.M
2110219-003A 114 1.000 19 Oct 2021 12:22 pm

24) 101923.D 8081_8082A_608.M
2110219-003AMS 115 1.000 19 Oct 2021 12:31 pm

25) 101924.D 8081_8082A_608.M
2110219-003AMSD 116 1.000 19 Oct 2021 12:41 pm

26) 101925.D 8081_8082A_608.M
2110219-004A 117 1.000 19 Oct 2021 12:51 pm

27) 101926.D 8081_8082A_608.M
2110219-005A 118 1.000 19 Oct 2021 01:01 pm

28) 101927.D 8081_8082A_608.M
CO 7 1.000 19 Oct 2021 01:10 pm

29) 101928.D 8081_8082A_608.M
1660-CCV- 6 1.000 19 Oct 2021 01:20 pm

30) 101929.D 8081_8082A_608.M
1254-CCV- 7 1.000 19 Oct 2021 01:30 pm

31) 101930.D 8081_8082A_608.M
1242-CCV- 8 1.000 19 Oct 2021 01:39 pm

32) 101931.D 8081_8082A_608.M
MB-34064 111 1.000 19 Oct 2021 02:52 pm

33) 101932.D 8081_8082A_608.M
LCS1-34064 112 1.000 19 Oct 2021 03:02 pm

34) 101933.D 8081_8082A_608.M
LCS2-34064 113 1.000 19 Oct 2021 03:12 pm

35) 101934.D 8081_8082A_608.M
2110219-003A 114 1.000 19 Oct 2021 03:21 pm

36) 101935.D 8081_8082A_608.M
2110219-003AMS 115 1.000 19 Oct 2021 03:31 pm

37) 101936.D 8081_8082A_608.M
2110219-003AMSD 116 1.000 19 Oct 2021 03:41 pm

38) 101937.D 8081_8082A_608.M
2110219-004A 117 1.000 19 Oct 2021 03:51 pm

39) 101938.D 8081_8082A_608.M
2110219-005A 118 1.000 19 Oct 2021 04:00 pm

40) 101939.D 8081_8082A_608.M
1660-CCV- 6 1.000 19 Oct 2021 04:10 pm

41) 101940.D 8081_8082A_608.M
1254-CCV- 7 1.000 19 Oct 2021 04:20 pm

Calibration

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
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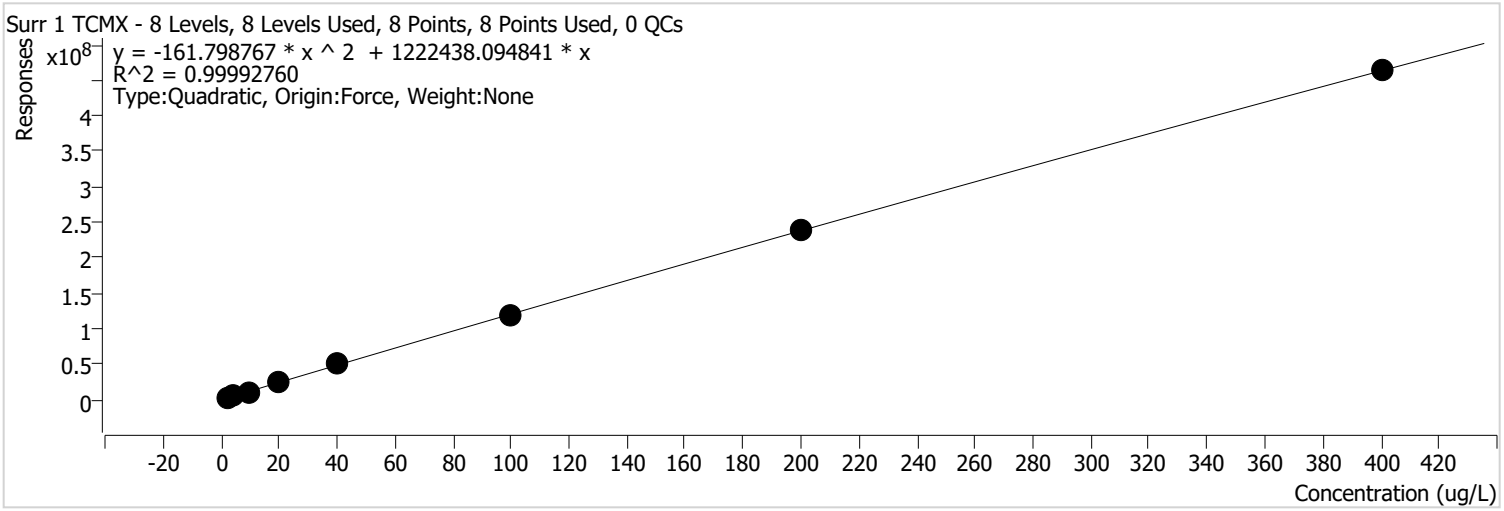
Report Time	9/30/2021 1:24:22 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 1 TCMX %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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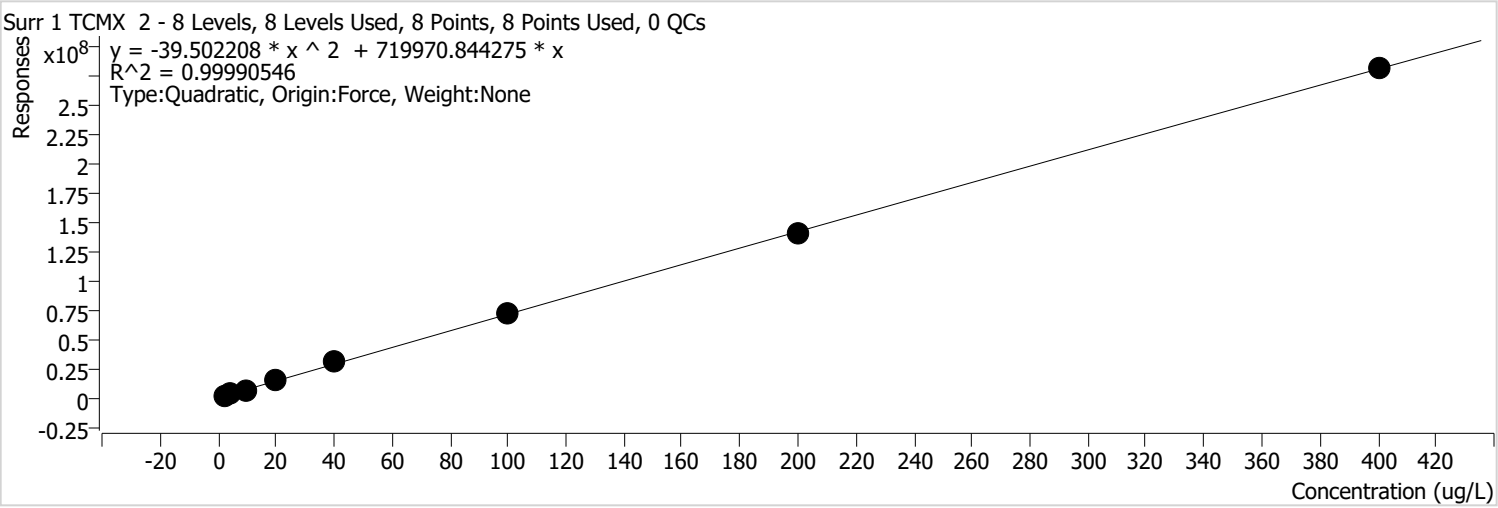
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	5501171	4.0000	1375292.7028	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	11449948	10.0000	1144994.7636	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	26421926	20.0000	1321096.2764	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	50798942	40.0000	1269973.5488	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	118768018	100.0000	1187680.1829	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	238292847	200.0000	1191464.2361	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	463107967	400.0000	1157769.9172	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 1 TCMX 2 %RSE =

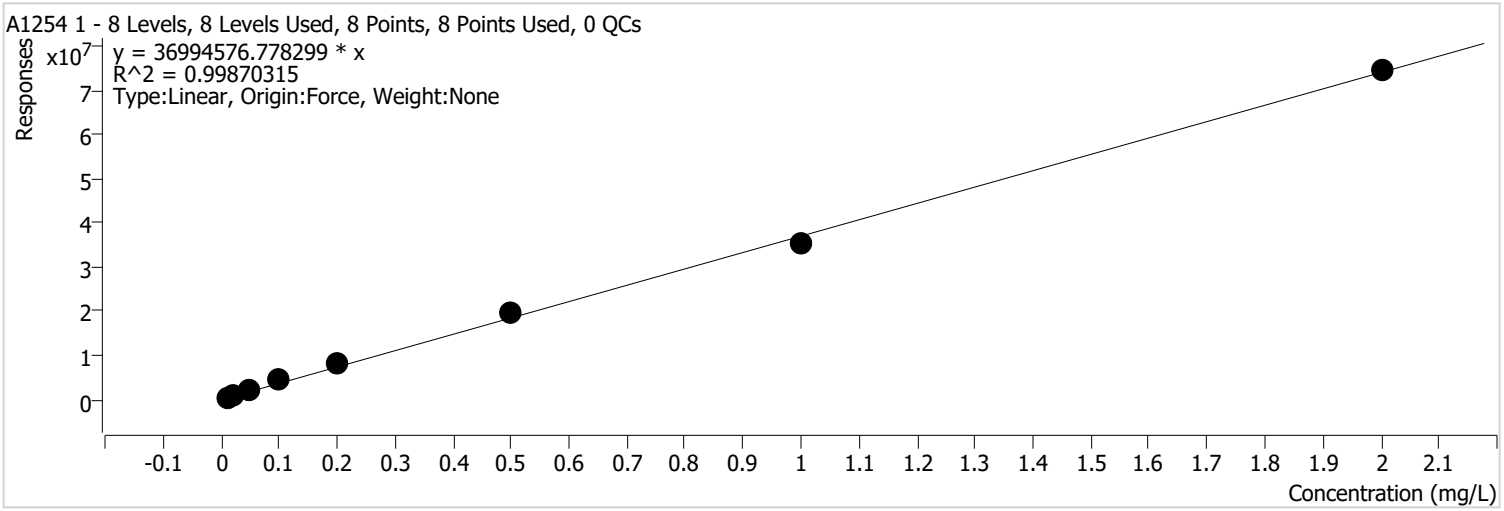


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	1453156	2.0000	726578.2125	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	3470818	4.0000	867704.5477	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	6955331	10.0000	695533.1168	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	15983700	20.0000	799184.9873	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	30416920	40.0000	760422.9906	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	71319062	100.0000	713190.6157	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	141716800	200.0000	708584.0024	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	281839270	400.0000	704598.1740	

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 1 %RSE = 17.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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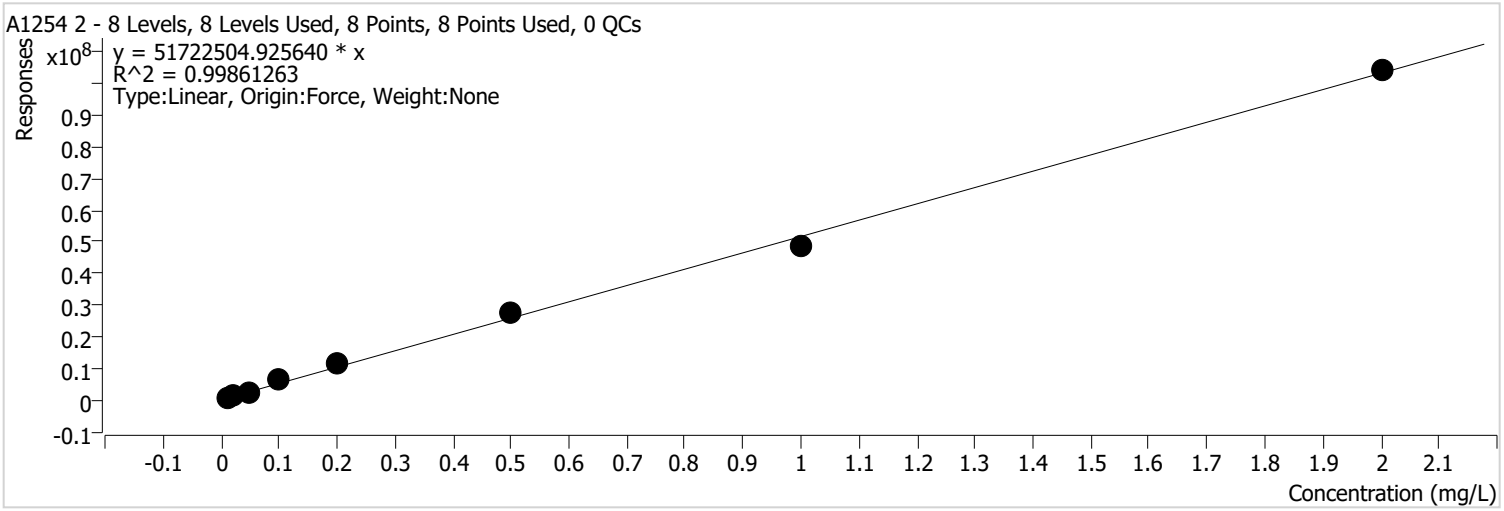
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	944393	0.0200	47219666.5214	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2057399	0.0500	41147983.0597	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4641418	0.1000	46414177.6100	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	8328295	0.2000	41641475.2047	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	19677294	0.5000	39354588.7044	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	35378372	1.0000	35378372.4367	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	74354852	2.0000	37177425.9706	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 2 %RSE = 23.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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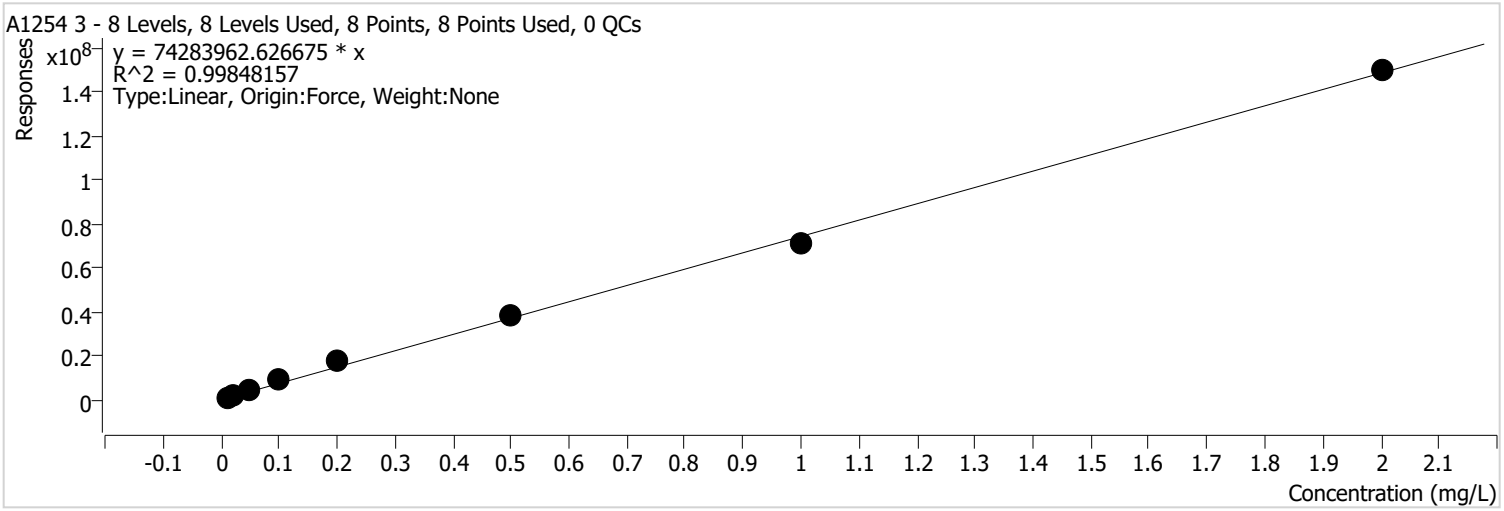
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1367687	0.0200	68384349.9245	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2664818	0.0500	53296364.1113	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	6329142	0.1000	63291424.4759	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	11640085	0.2000	58200422.9118	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	27312124	0.5000	54624248.9388	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	49133781	1.0000	49133781.3867	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	104182916	2.0000	52091458.0906	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

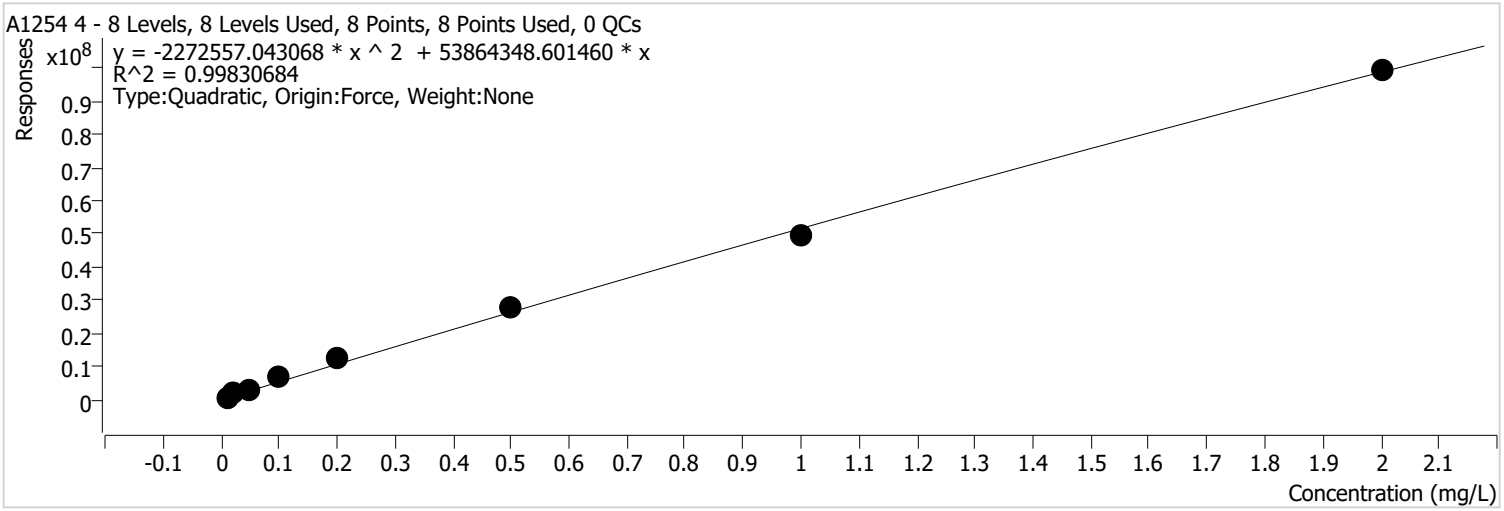
A1254 3 %RSE = 25.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	968244	0.0100	96824407.6425	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	2137905	0.0200	106895252.8077	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	4041302	0.0500	80826030.1402	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	9199778	0.1000	91997781.0889	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	17458680	0.2000	87293400.7929	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	38943523	0.5000	77887045.9859	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	70621068	1.0000	70621068.4727	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	149584402	2.0000	74792201.0951	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

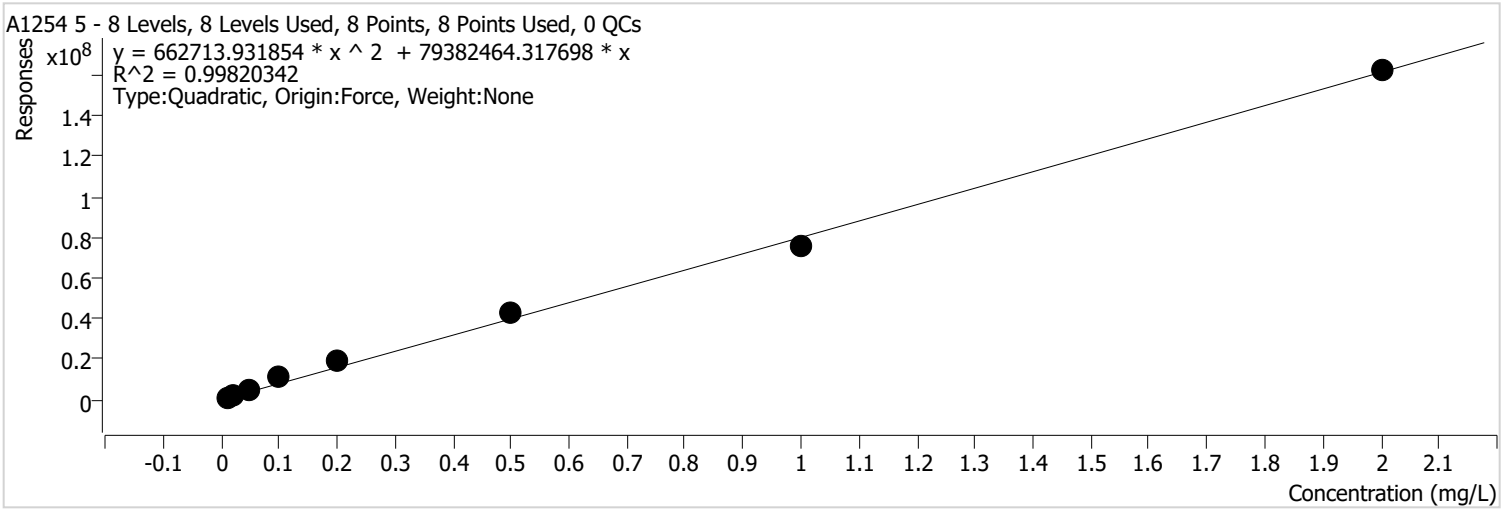
A1254 4 %RSE = 52.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	686096	0.0100	68609559.3839	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	2228251	0.0200	111412565.2676	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	3069701	0.0500	61394028.5651	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	6926129	0.1000	69261291.2286	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	12565315	0.2000	62826573.7891	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	27722398	0.5000	55444796.4972	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	49512340	1.0000	49512340.2188	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	99050337	2.0000	49525168.4548	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

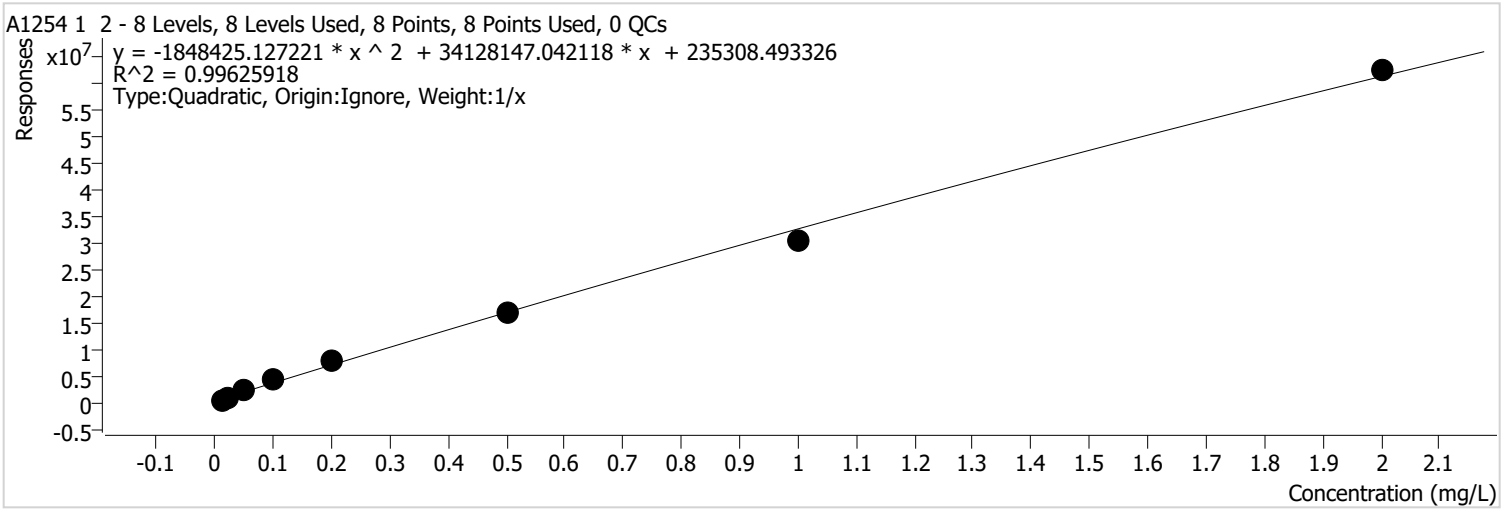
A1254 5 %RSE = 26.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	1020874	0.0100	10208741 9.6439	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1993529	0.0200	99676448 .6731	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	4751353	0.0500	95027052 .3297	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	10753746	0.1000	10753746 2.2424	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	18860824	0.2000	94304119 .8496	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	42553518	0.5000	85107036 .1156	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	76327536	1.0000	76327535 .6302	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	162139523	2.0000	81069761 .2765	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 1 2 %RSE = 19.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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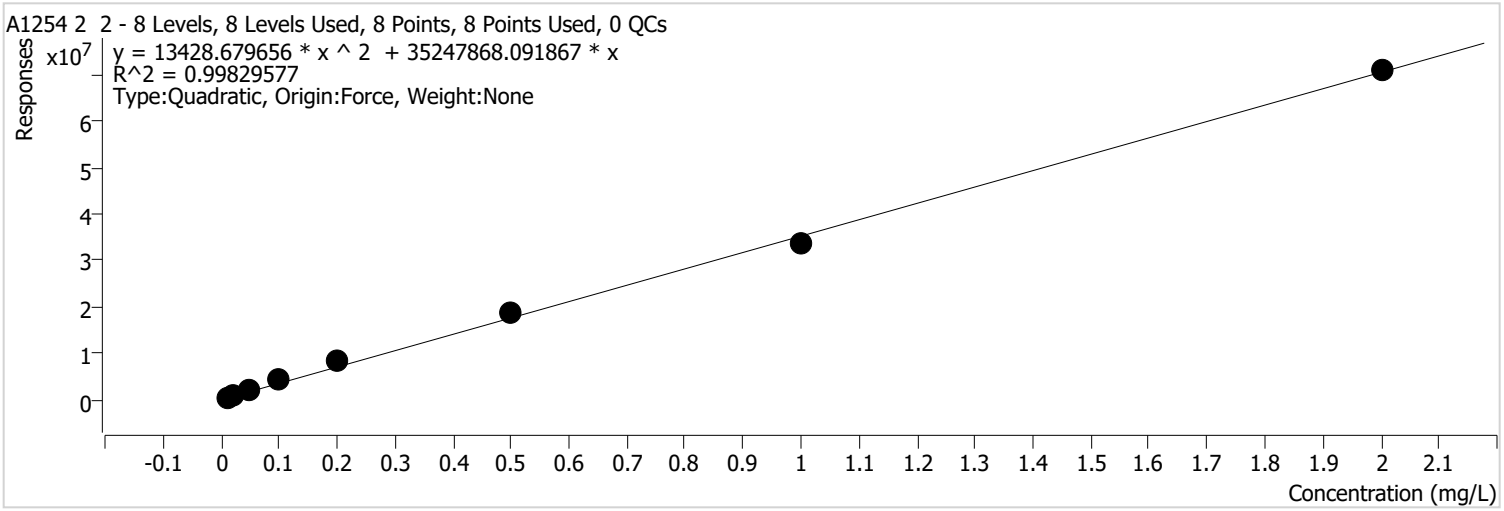
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	980612	0.0200	49030615.3782	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2054540	0.0500	41090799.6005	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4167153	0.1000	41671526.9943	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	7671987	0.2000	38359936.8127	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	16802254	0.5000	33604508.3008	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	30206895	1.0000	30206895.4610	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	62162404	2.0000	31081201.7621	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 2 2 %RSE = 32.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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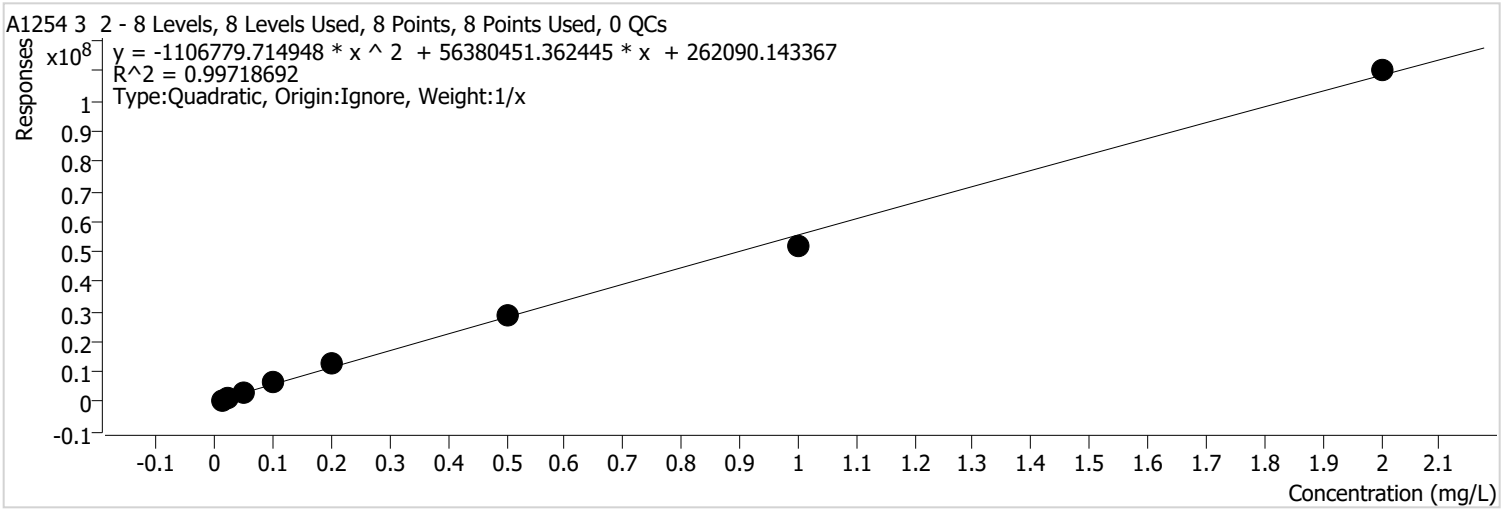
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1059158	0.0200	52957882.2088	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	1985173	0.0500	39703465.3877	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4492117	0.1000	44921173.2075	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	8470833	0.2000	42354166.5894	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	18772932	0.5000	37545863.5221	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	33668459	1.0000	33668458.8550	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	70859255	2.0000	35429627.3418	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

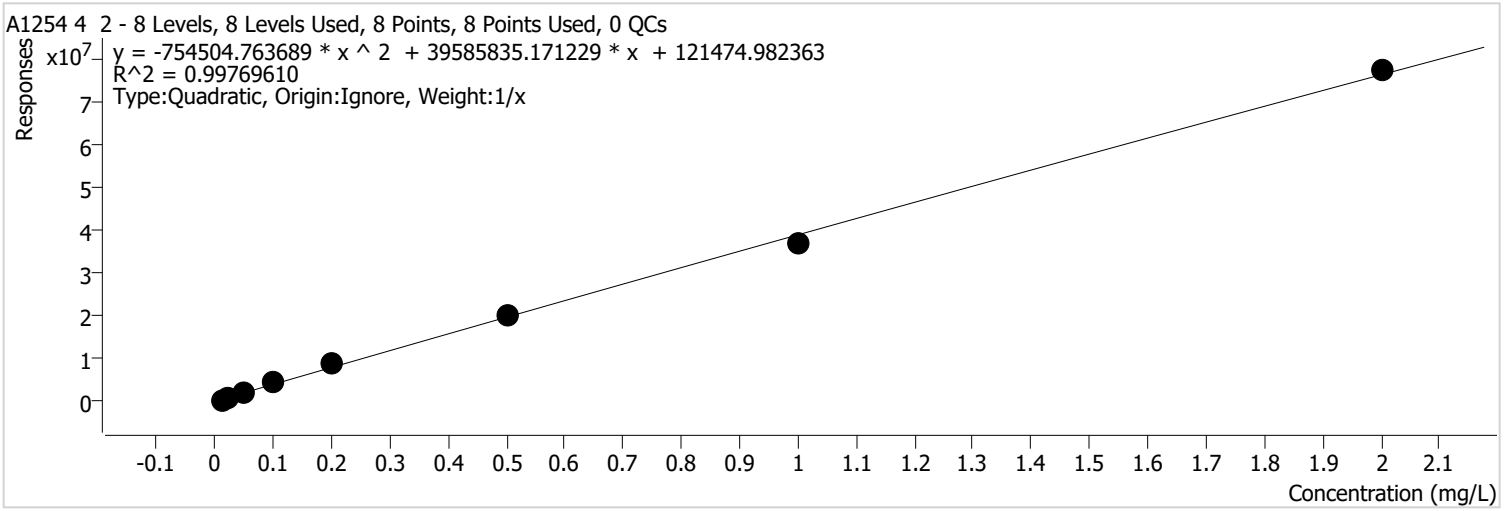
A1254 3 2 %RSE = 13.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	723400	0.0100	72339996.2119	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1487114	0.0200	74355714.8858	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2782341	0.0500	55646812.4860	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	6610456	0.1000	66104564.7499	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	12703123	0.2000	63515616.9206	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	28576557	0.5000	57153114.1770	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	51974329	1.0000	51974328.6251	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	110126299	2.0000	55063149.5740	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 4 2 %RSE = 12.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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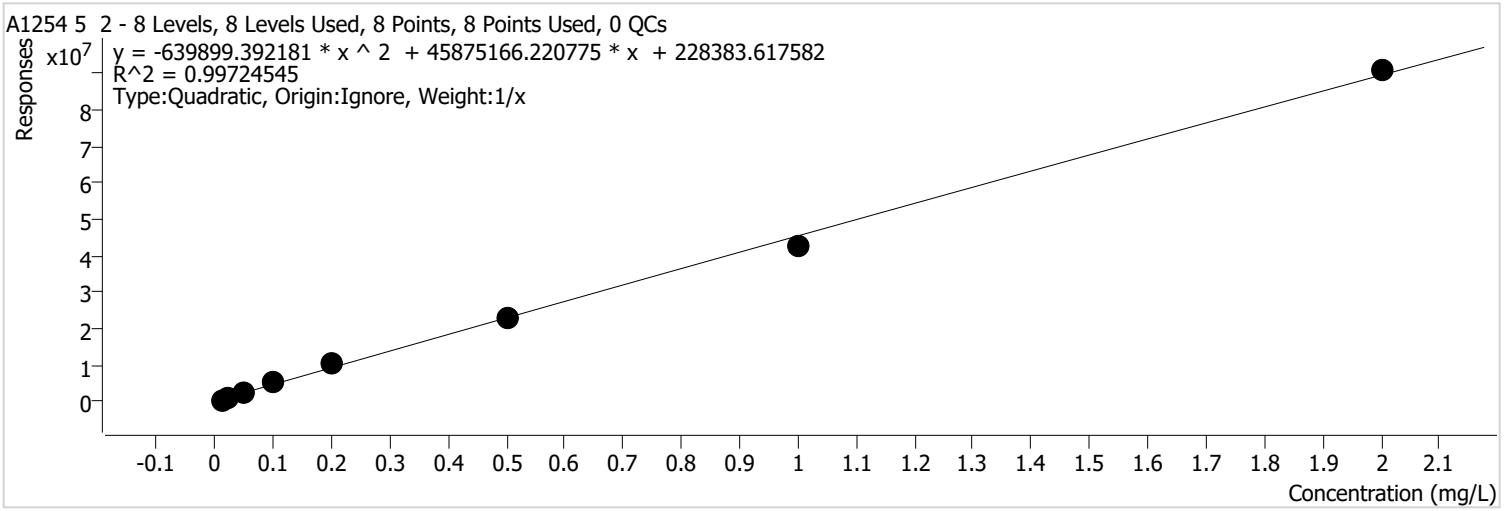
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	992137	0.0200	49606842.0830	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	1842588	0.0500	36851751.2082	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4575383	0.1000	45753834.9499	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	8666046	0.2000	43330229.2589	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	20065006	0.5000	40130011.3551	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	36769274	1.0000	36769274.3145	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	77197100	2.0000	38598550.1918	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 5 2 %RSE = 14.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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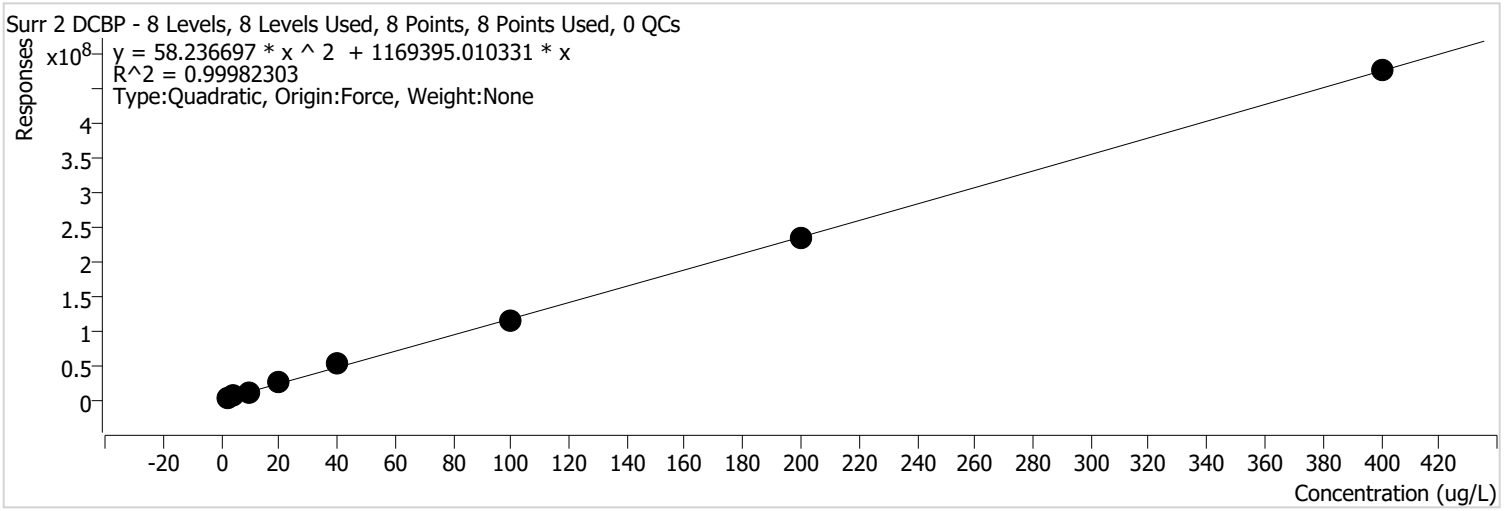
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1251861	0.0200	62593052.6812	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2273246	0.0500	45464920.7455	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	5477425	0.1000	54774254.0032	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	10320059	0.2000	51600296.6787	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	23147064	0.5000	46294128.9996	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	42756438	1.0000	42756437.7267	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	90615453	2.0000	45307726.6005	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

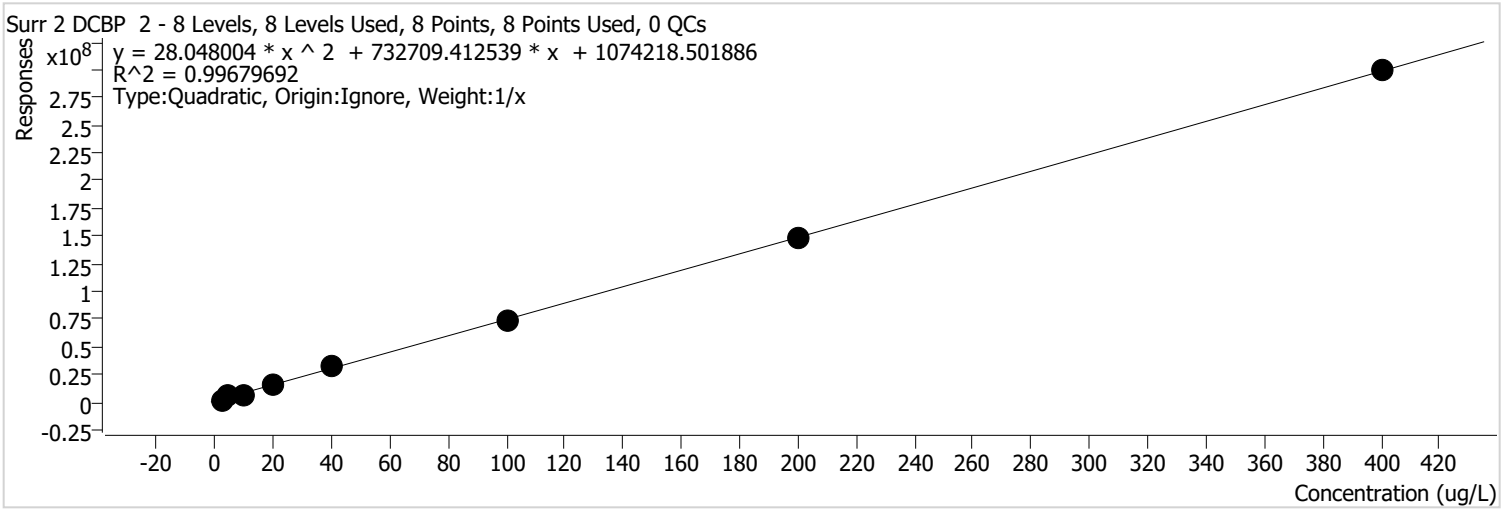
Surr 2 DCBP %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	3183383	2.0000	1591691.4434	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	6037207	4.0000	1509301.7922	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	10717279	10.0000	1071727.9287	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	26213780	20.0000	1310688.9819	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	51148440	40.0000	1278710.9979	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	115483968	100.0000	1154839.6777	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	235688984	200.0000	1178444.9213	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	477283772	400.0000	1193209.4297	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 2 DCBP 2 %RSE =

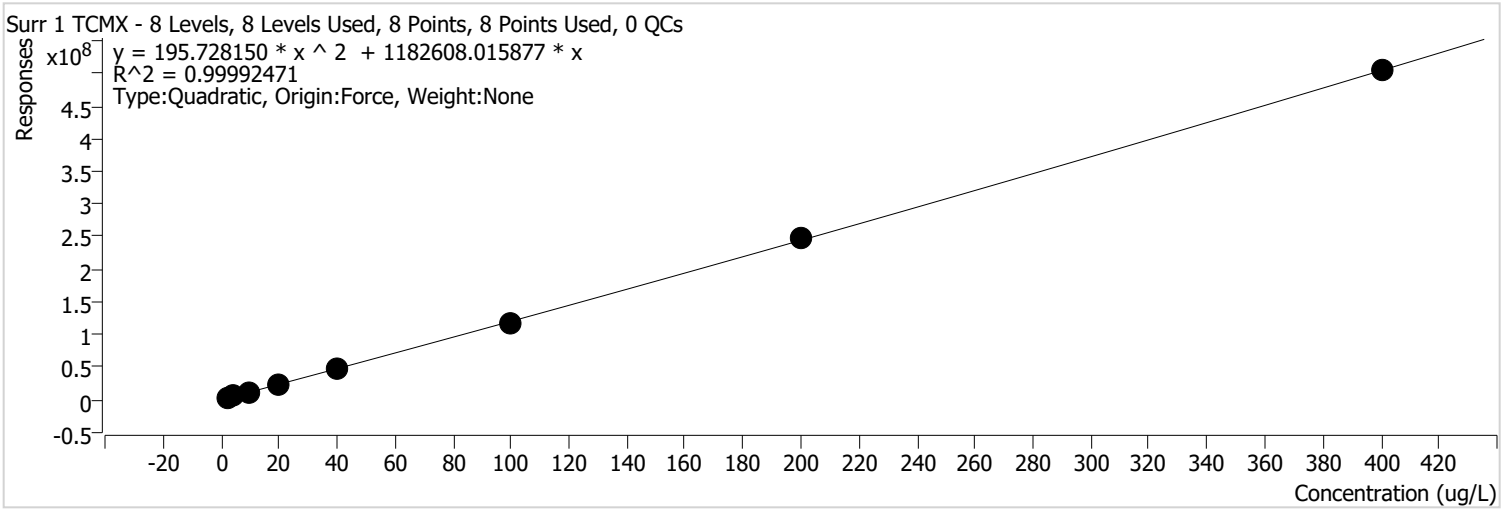


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	2044392	2.0000	1022196.0435	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	5552223	4.0000	1388055.6740	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	6444990	10.0000	644498.9905	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	16188871	20.0000	809443.5344	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	32492648	40.0000	812316.1880	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	73000396	100.0000	730003.9561	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	148348565	200.0000	741742.8246	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	299053711	400.0000	747634.2781	

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:30 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 1 TCMX %RSE = 4.5

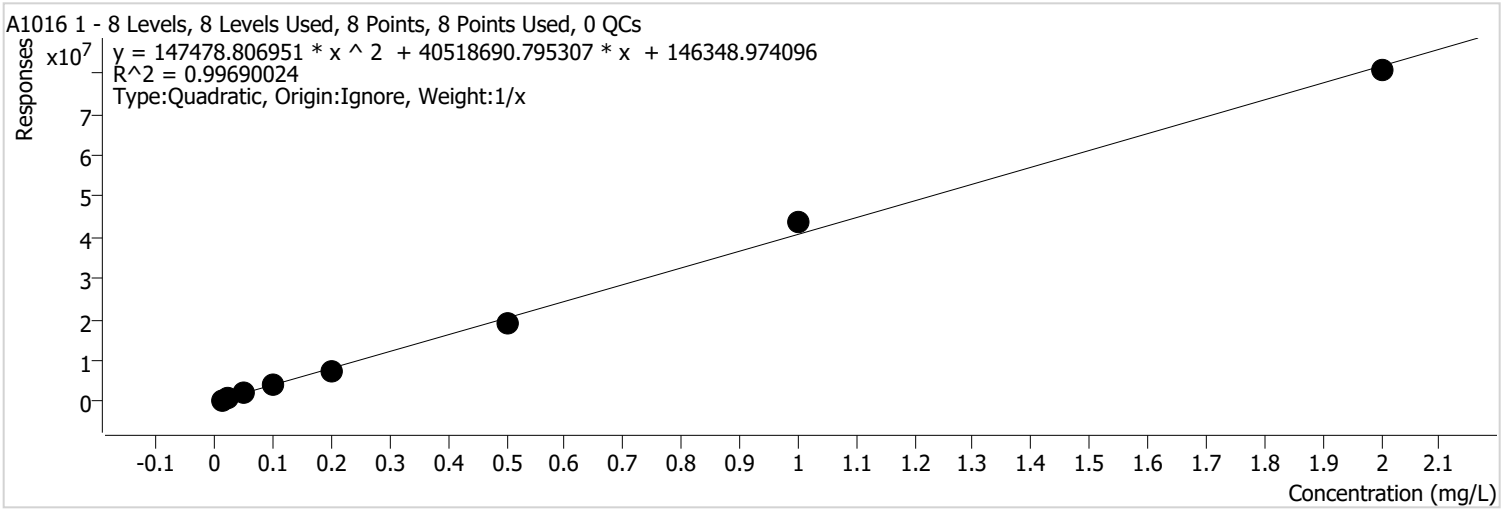


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	2474438	2.0000	1237219.1706	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	4987633	4.0000	1246908.2243	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	12384484	10.0000	1238448.4010	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	24518060	20.0000	1225902.9840	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	45851613	40.0000	1146290.3301	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	117657330	100.0000	1176573.3042	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	246692607	200.0000	1233463.0357	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	503949613	400.0000	1259874.0320	

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

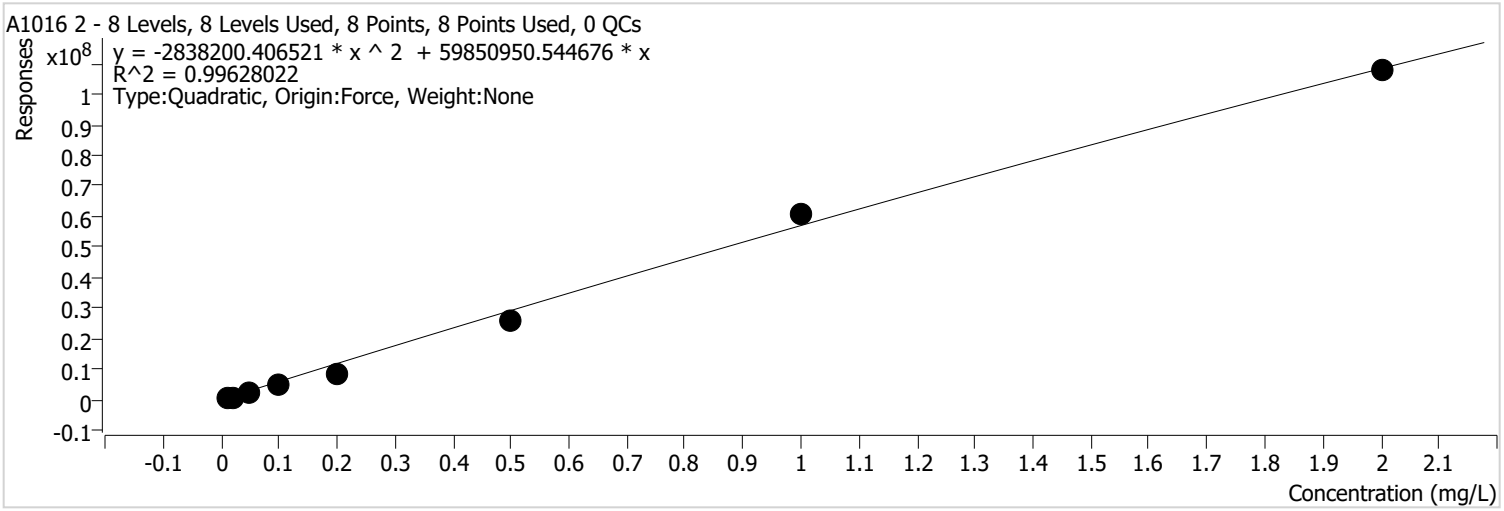
A1016 1 %RSE = 7.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	540249	0.0100	54024874.9832	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1015891	0.0200	50794541.9577	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2256885	0.0500	45137701.9491	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	4236470	0.1000	42364702.3382	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	7565183	0.2000	37825913.9081	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	18919821	0.5000	37839642.8154	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	44011403	1.0000	44011402.5153	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	80619491	2.0000	40309745.2835	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1016 2 %RSE = 18.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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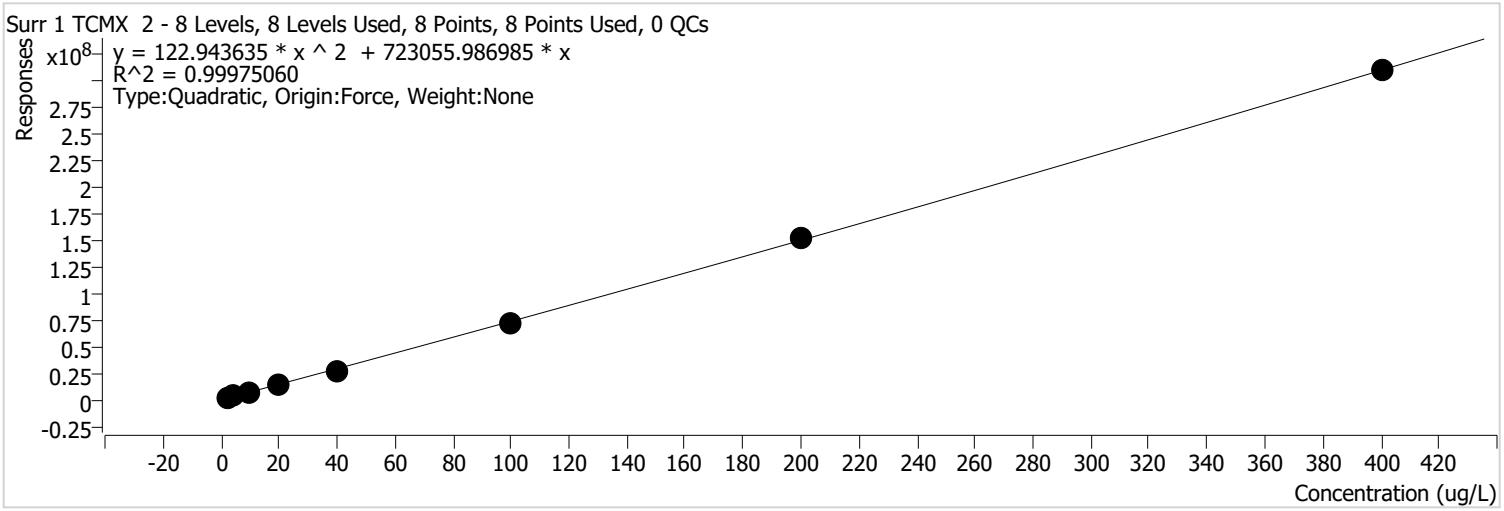
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1009212	0.0200	50460581.6849	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2439382	0.0500	48787633.7407	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5094470	0.1000	50944700.0329	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	8813052	0.2000	44065261.7449	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	25705784	0.5000	51411568.8418	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	60964923	1.0000	60964923.3944	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	107613391	2.0000	53806695.4342	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

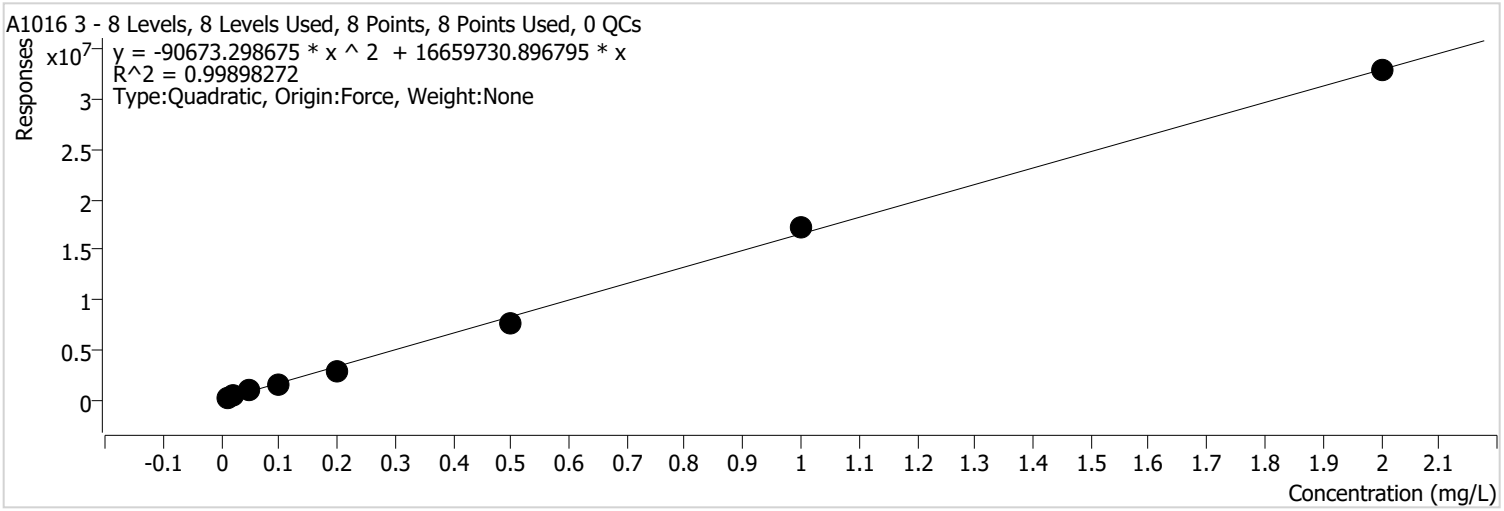
Surr 1 TCMX 2 %RSE = 4.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1503774	2.0000	751887.1802	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	3067405	4.0000	766851.1424	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	7327299	10.0000	732729.8999	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	14477484	20.0000	723874.1895	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	27169955	40.0000	679248.8664	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	70673943	100.0000	706739.4275	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	152366404	200.0000	761832.0216	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	308382330	400.0000	770955.8244	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

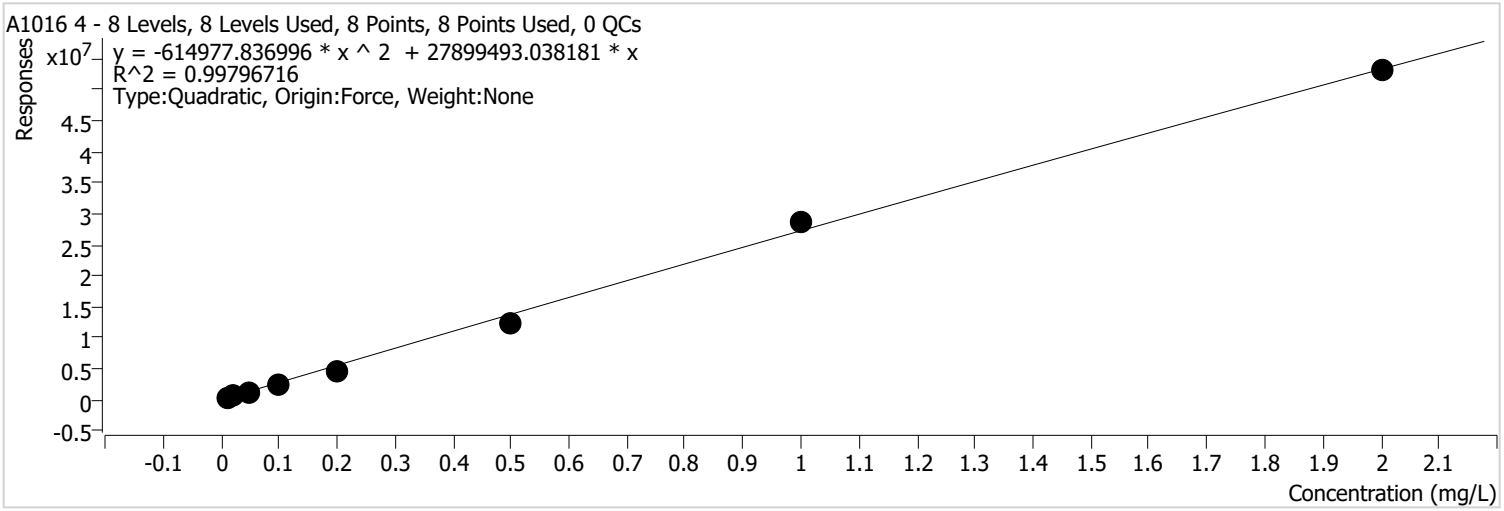
A1016 3 %RSE = 9.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	150518	0.0100	15051764.4428	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	347023	0.0200	17351127.6415	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	891972	0.0500	17839430.6314	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1592932	0.1000	15929318.1107	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	2808702	0.2000	14043512.2787	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	7760432	0.5000	15520863.4808	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	17173897	1.0000	17173896.8888	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	32845070	2.0000	16422535.0625	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

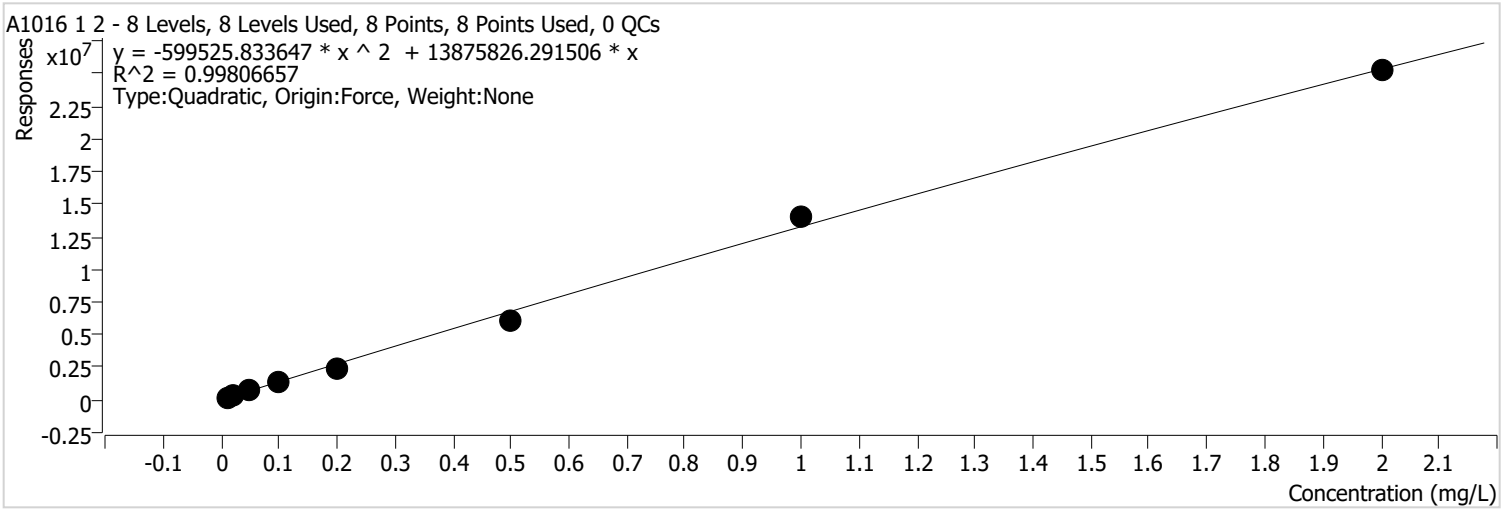
A1016 4 %RSE = 9.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	264805	0.0100	26480526.0256	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	561269	0.0200	28063472.0185	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1342581	0.0500	26851617.8650	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2651472	0.1000	26514719.9651	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	4621923	0.2000	23109614.1009	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	12370922	0.5000	24741844.6725	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	28719583	1.0000	28719582.8557	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	53079072	2.0000	26539535.8344	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

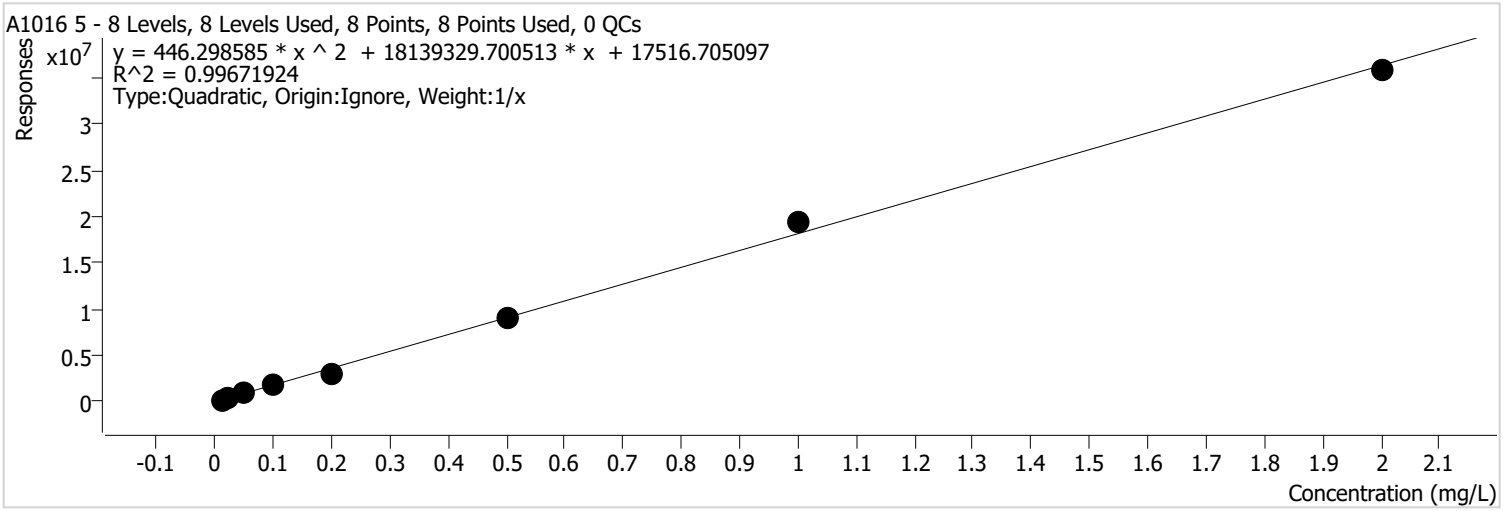
A1016 1 2 %RSE = 12.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	118129	0.0100	11812870.0000	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	244314	0.0200	12215704.7390	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	698533	0.0500	13970657.9333	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1290690	0.1000	12906899.7625	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	2386611	0.2000	11933056.9827	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	6093266	0.5000	12186532.2497	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	13946998	1.0000	13946997.5693	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	25233171	2.0000	12616585.3501	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

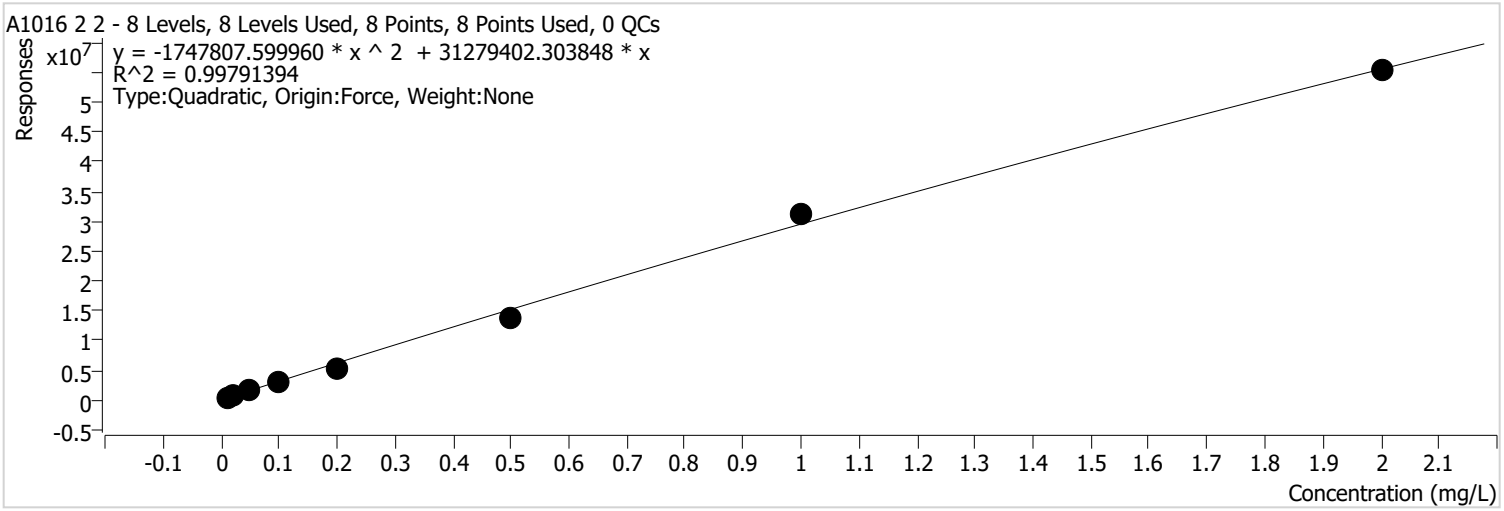
A1016 5 %RSE = 11.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	228423	0.0100	22842325.0434	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	385241	0.0200	19262071.5594	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	918195	0.0500	18363893.8530	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1732271	0.1000	17322706.8867	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	3056648	0.2000	15283237.9293	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	9003701	0.5000	18007401.7278	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	19474641	1.0000	19474641.2200	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	35723980	2.0000	17861989.9337	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

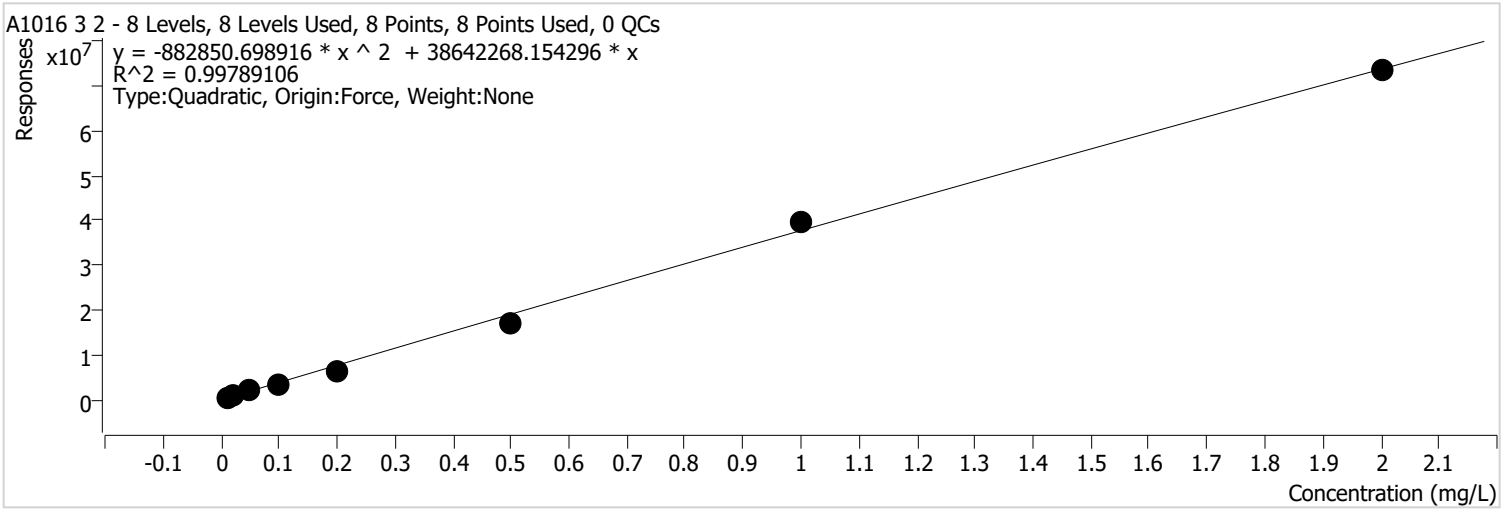
A1016 2 2 %RSE = 14.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	386077	0.0100	38607675.4343	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	627581	0.0200	31379063.7233	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1483941	0.0500	29678813.0000	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2919339	0.1000	29193390.2500	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	5269785	0.2000	26348922.8750	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	13662960	0.5000	27325920.0000	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	31058385	1.0000	31058384.5500	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	55291798	2.0000	27645899.2000	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

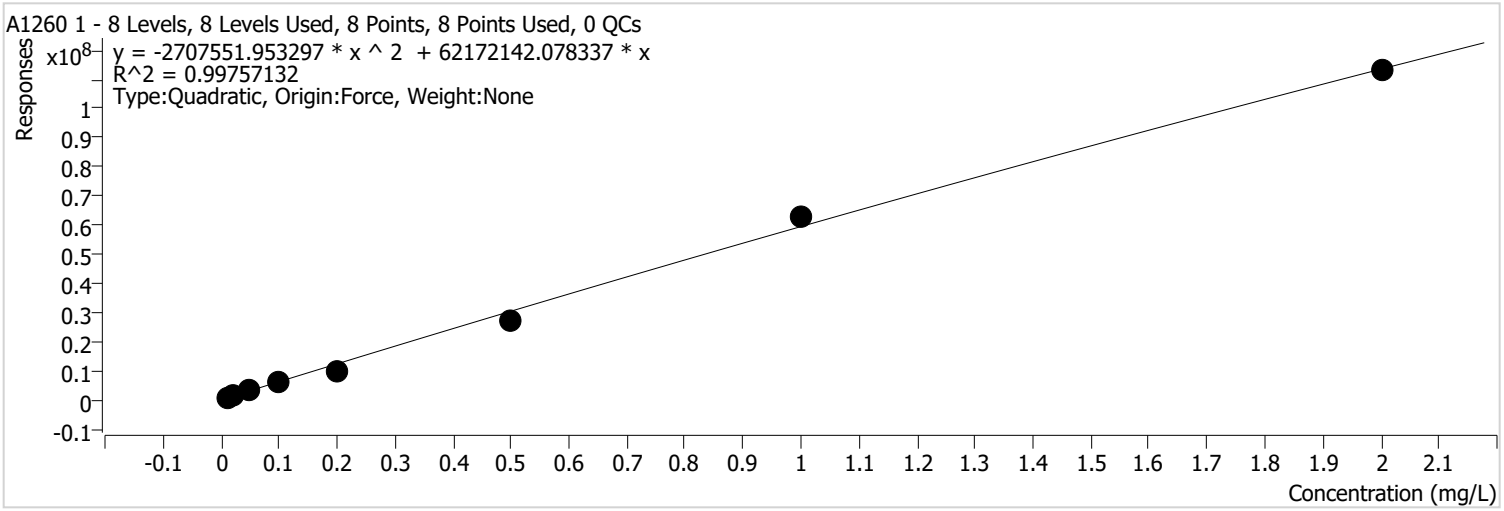
A1016 3 2 %RSE = 18.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	513215	0.0100	51321501.3373	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	851252	0.0200	42562596.9827	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1903978	0.0500	38079559.5011	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	3656426	0.1000	36564258.7508	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	6436607	0.2000	32183034.3425	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	17061022	0.5000	34122044.0001	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	39776008	1.0000	39776007.7546	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	73389516	2.0000	36694758.1582	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

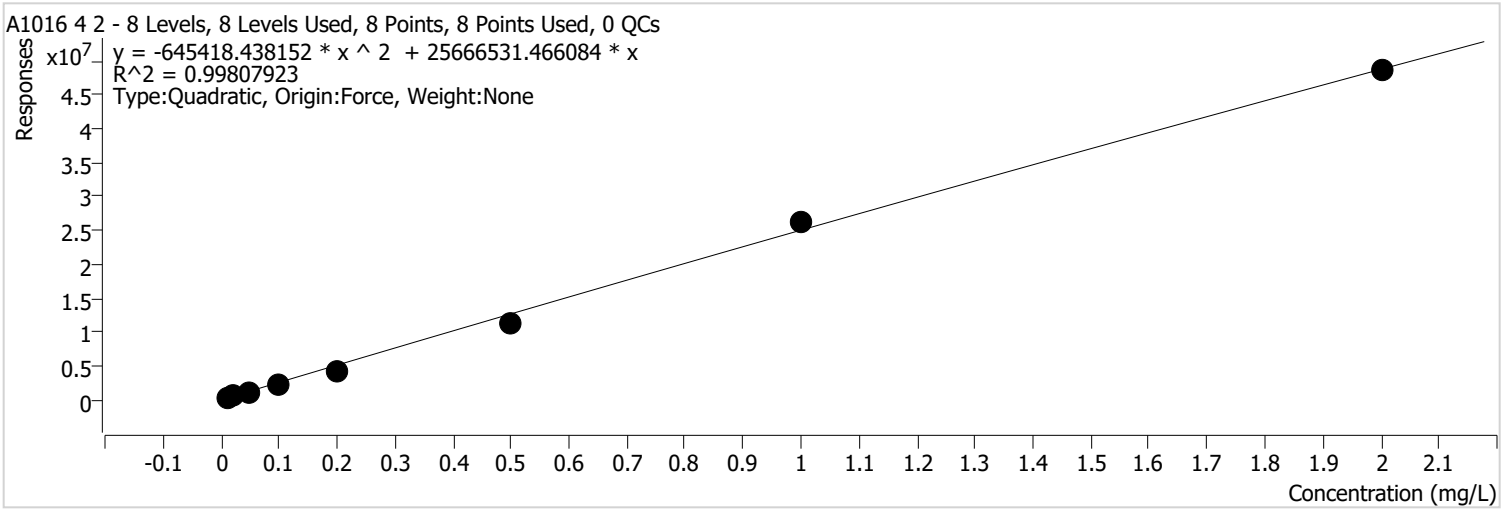
A1260 1 %RSE = 10.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	616855	0.0100	61685464.6166	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1228008	0.0200	61400419.3559	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2966130	0.0500	59322605.6706	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5874542	0.1000	58745416.6504	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	9863955	0.2000	49319772.7881	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	27258601	0.5000	54517202.8499	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	62787763	1.0000	62787762.9214	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	112905692	2.0000	56452845.7869	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

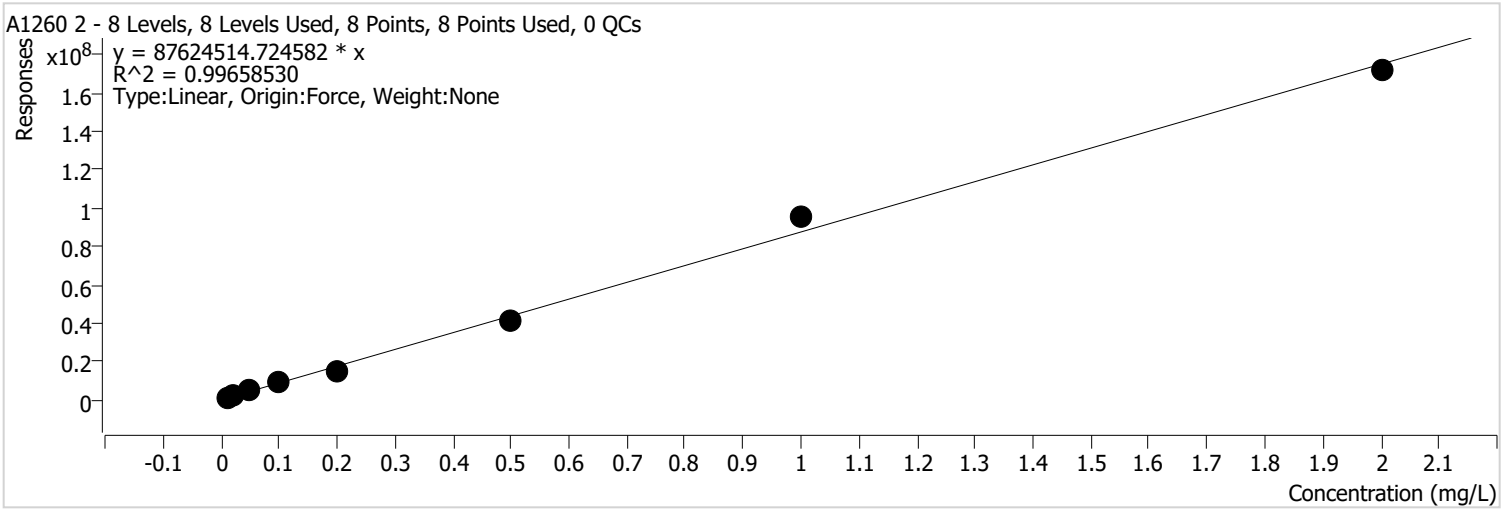
A1016 4 2 %RSE = 12.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	227079	0.0100	22707914.1335	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	461159	0.0200	23057966.0740	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1204375	0.0500	24087492.4589	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2346306	0.1000	23463058.8477	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	4314034	0.2000	21570168.5271	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	11406542	0.5000	22813084.7129	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	26306607	1.0000	26306607.1293	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	48517625	2.0000	24258812.3796	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

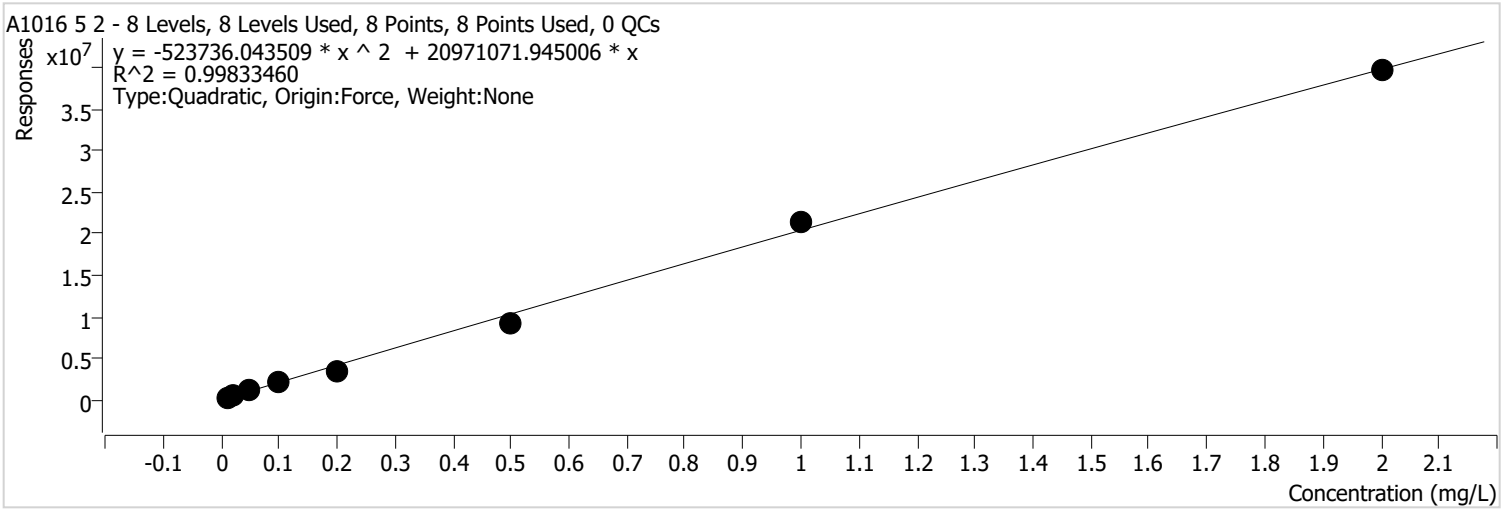
A1260 2 %RSE = 8.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	965094	0.0100	96509437.2949	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1927415	0.0200	96370772.9265	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	4578738	0.0500	91574756.2738	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	8884910	0.1000	88849103.4044	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	15527304	0.2000	77636521.9623	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	41930524	0.5000	83861047.8932	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	95966340	1.0000	95966339.7632	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	171735056	2.0000	85867527.9480	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

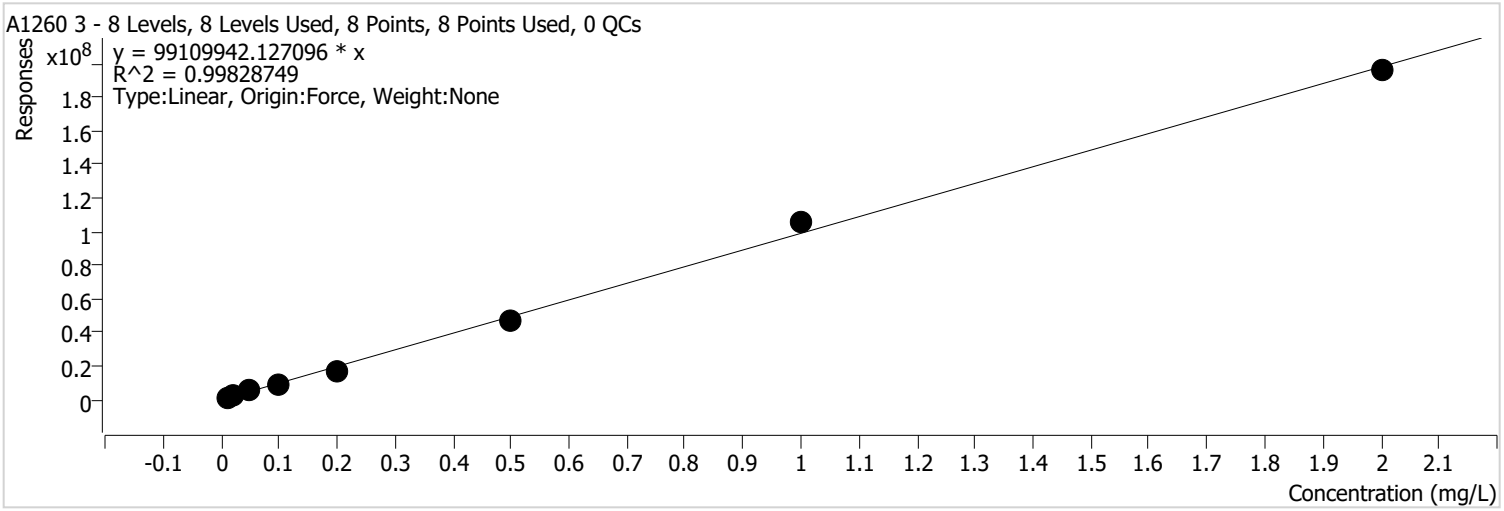
A1016 5 2 %RSE = 8.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	213435	0.0100	21343518.4290	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	418158	0.0200	20907922.1111	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1079679	0.0500	21593582.7422	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2073012	0.1000	20730121.4273	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	3579738	0.2000	17898689.6690	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	9357938	0.5000	18715876.9715	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	21408890	1.0000	21408890.3534	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	39675065	2.0000	19837532.3619	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

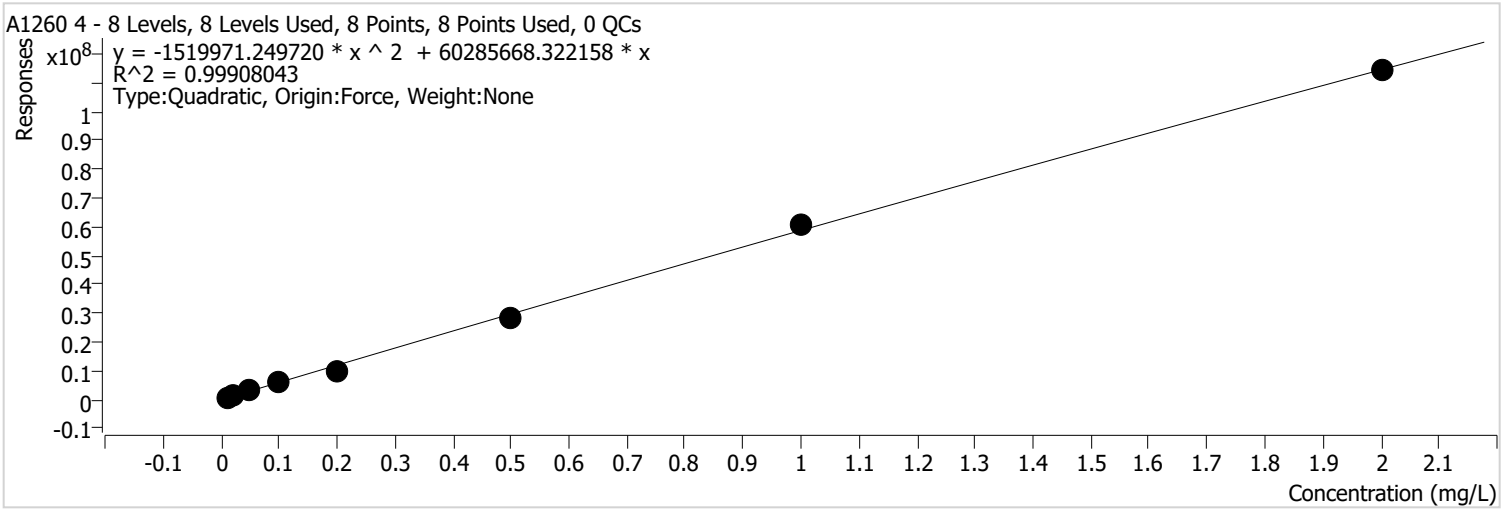
A1260 3 %RSE = 6.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1006370	0.0100	10063696 4.8941	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	2025009	0.0200	10125044 5.0070	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	5089679	0.0500	10179358 5.3517	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	9682808	0.1000	96828080 .5000	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	17319134	0.2000	86595671 .7116	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	47340623	0.5000	94681245 .5228	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	105501165	1.0000	10550116 5.3579	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	195835695	2.0000	97917847 .7125	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

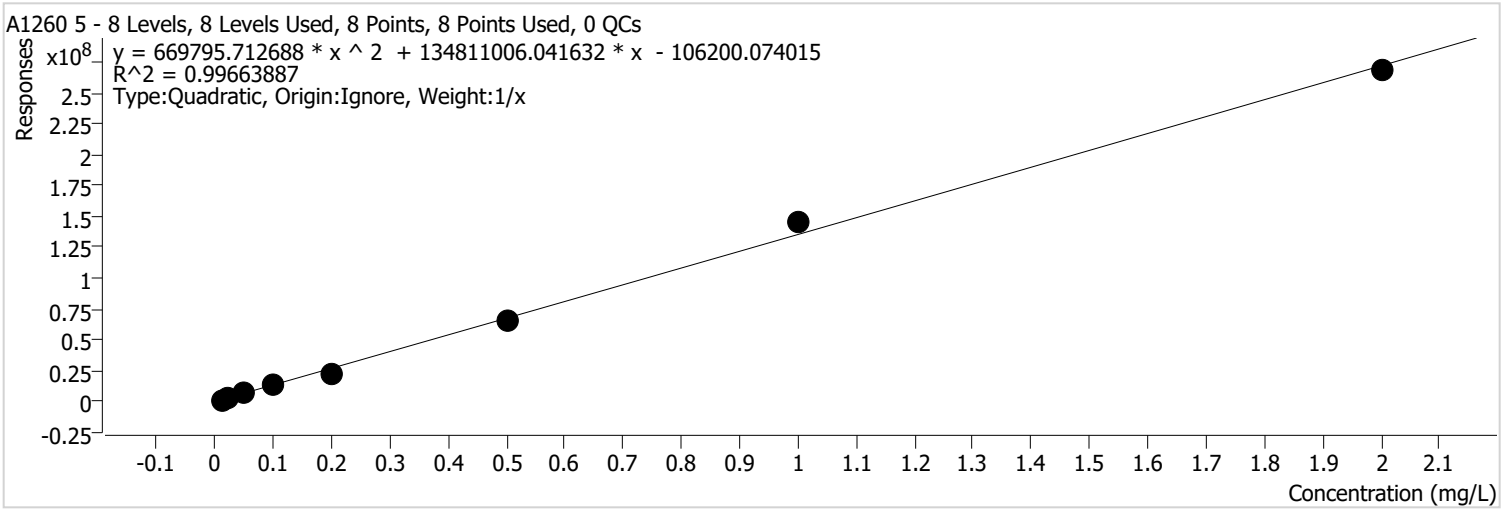
A1260 4 %RSE = 8.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	558458	0.0100	55845836.2392	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1195363	0.0200	59768143.7500	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2982536	0.0500	59650712.0000	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5929847	0.1000	59298469.0000	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	10045708	0.2000	50228539.9302	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	28118115	0.5000	56236229.7100	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	60721328	1.0000	60721327.6667	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	114125074	2.0000	57062537.0097	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

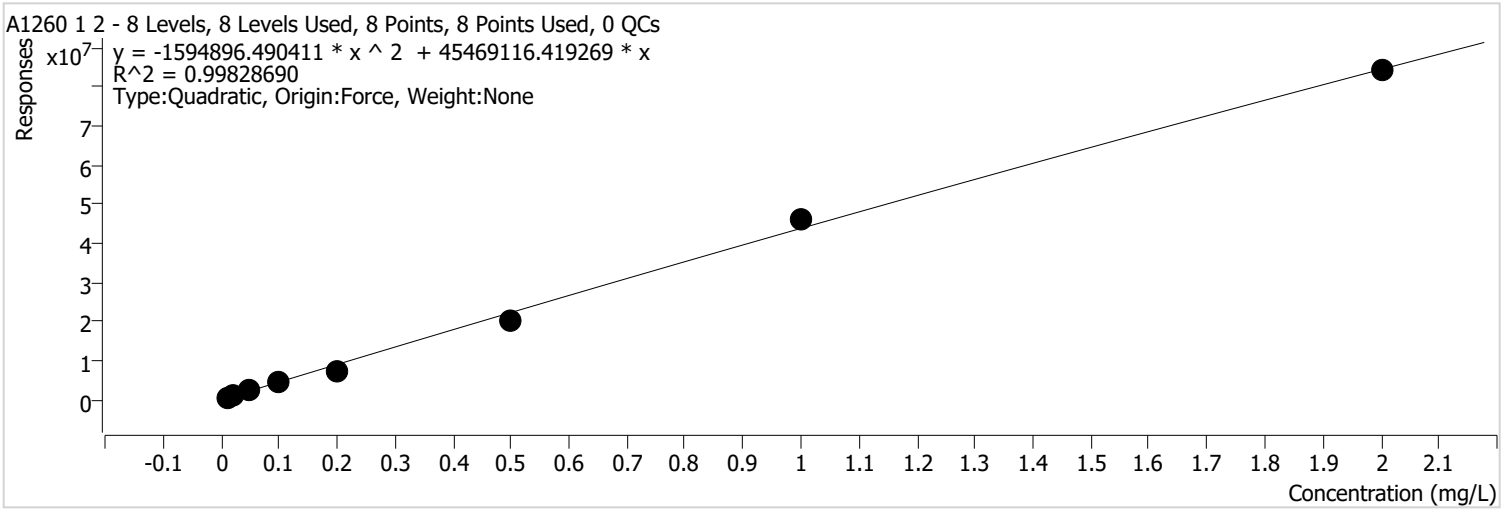
A1260 5 %RSE = 9.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1257434	0.0100	12574340 8.8116	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	2859327	0.0200	14296634 8.5981	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	6668126	0.0500	13336252 4.9736	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	13609710	0.1000	13609709 6.0557	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	22640017	0.2000	11320008 5.6770	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	65007120	0.5000	13001423 9.7761	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	145641580	1.0000	14564158 0.1325	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	268085715	2.0000	13404285 7.7217	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

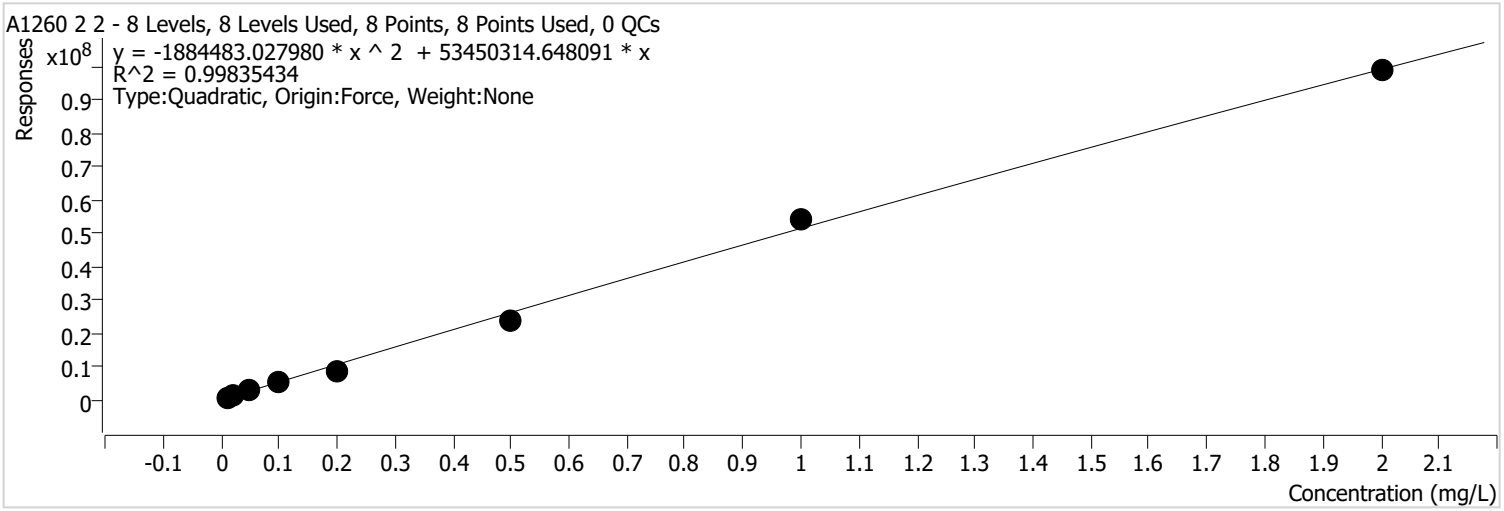
A1260 1 2 %RSE = 9.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	454898	0.0100	45489785.8995	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	962199	0.0200	48109947.6069	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2229708	0.0500	44594160.3693	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	4429510	0.1000	44295098.2366	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	7527890	0.2000	37639448.8096	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	20330660	0.5000	40661319.0826	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	45939899	1.0000	45939899.0049	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	84182845	2.0000	42091422.5107	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

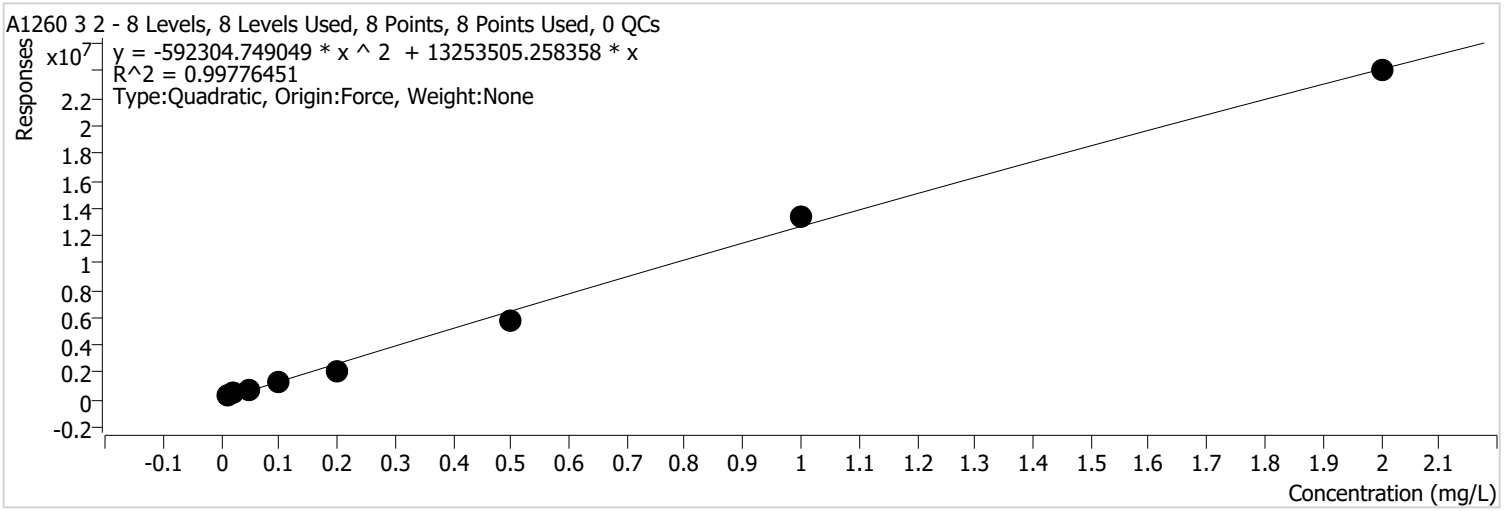
A1260 2 2 %RSE = 10.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	574088	0.0100	57408781.4850	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1191845	0.0200	59592268.6636	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2696925	0.0500	53938500.8158	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5272622	0.1000	52726215.2110	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	8812576	0.2000	44062878.0157	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	23979917	0.5000	47959834.1116	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	53921832	1.0000	53921832.4939	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	98933953	2.0000	49466976.4371	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

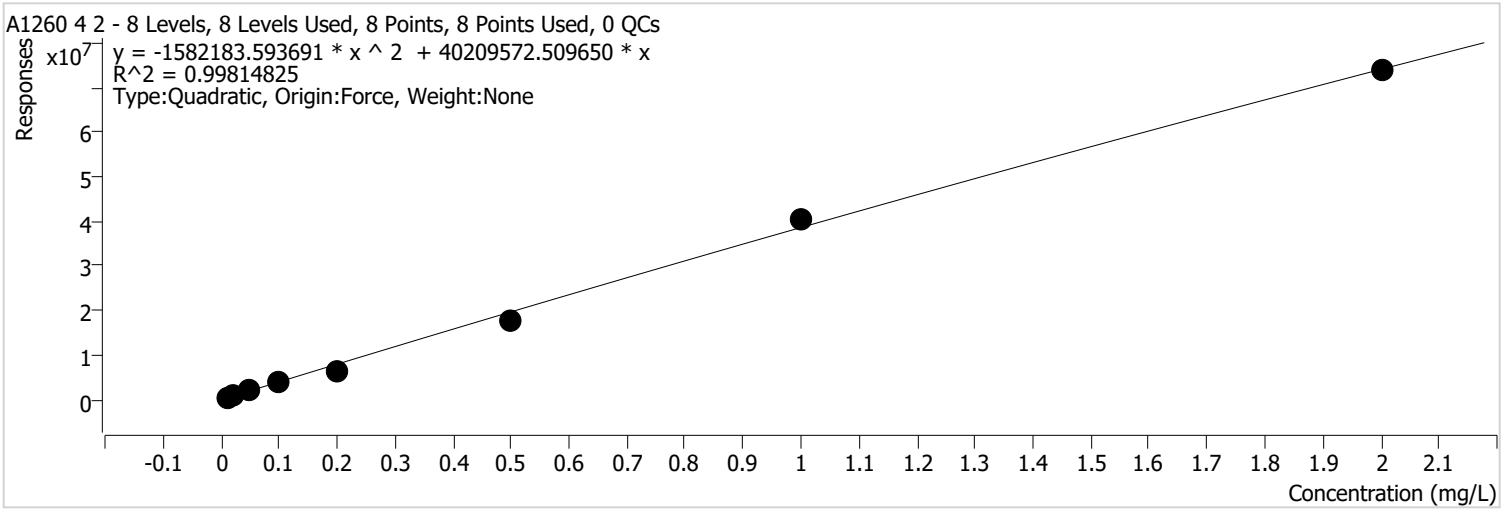
A1260 3 2 %RSE = 63.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	279268	0.0100	27926845.2679	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	488073	0.0200	24403625.6571	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	627223	0.0500	12544455.7110	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1263999	0.1000	12639986.8594	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	2162254	0.2000	10811270.6137	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	5839826	0.5000	11679651.4646	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	13309733	1.0000	13309732.5095	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	24020368	2.0000	12010184.0239	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

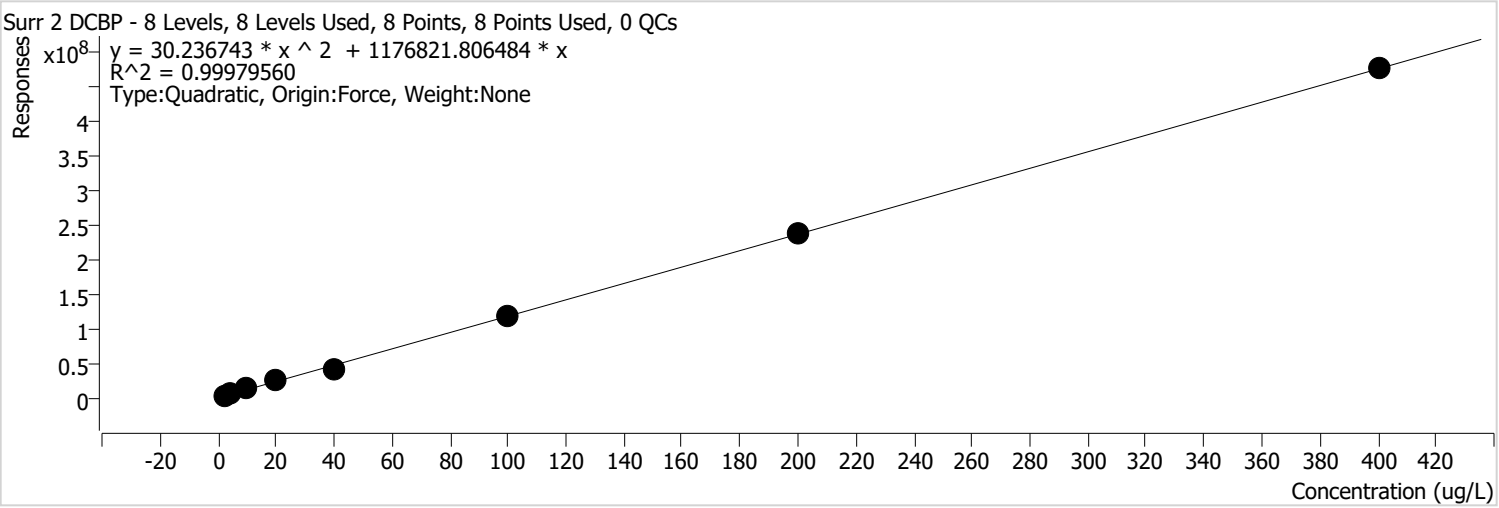
A1260 4 2 %RSE = 10.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	399874	0.0100	39987371.3445	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	817063	0.0200	40853155.1739	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1956455	0.0500	39129099.9081	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	3900081	0.1000	39000814.0881	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	6435840	0.2000	32179198.0000	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	17999271	0.5000	35998541.8783	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	40489618	1.0000	40489617.6979	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	73747447	2.0000	36873723.5210	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

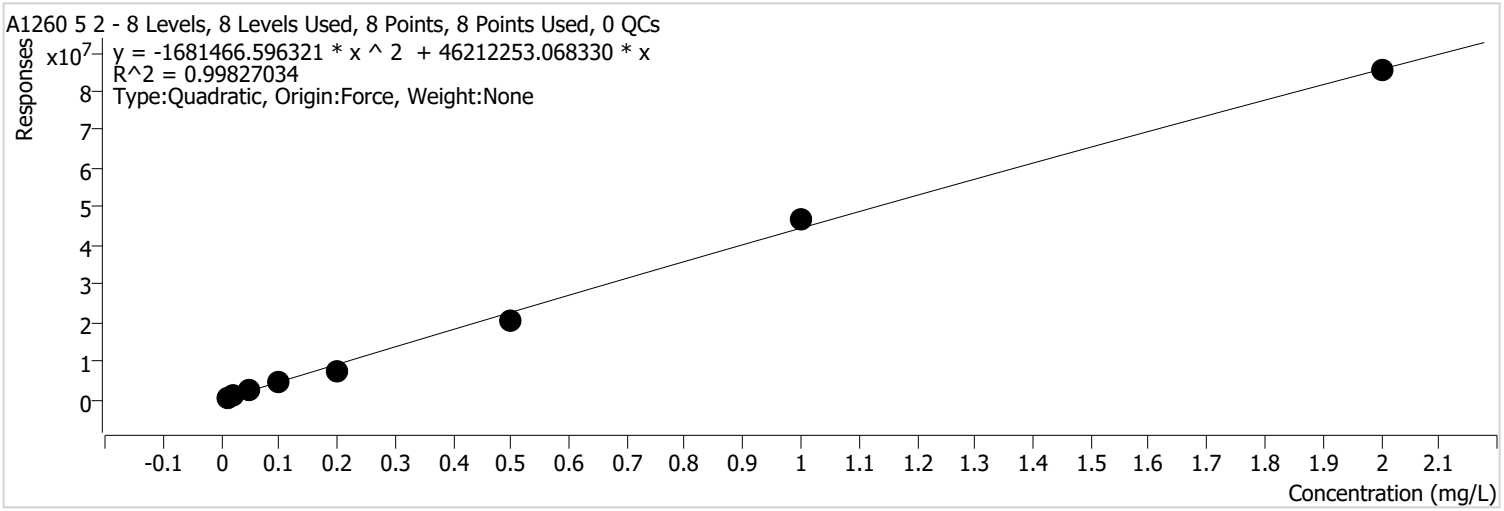
Surr 2 DCBP %RSE = 17.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	2835631	2.0000	1417815.4750	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	5817839	4.0000	1454459.7125	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	13631698	10.0000	1363169.7908	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	26596560	20.0000	1329827.9919	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	42559761	40.0000	1063994.0220	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	119959526	100.0000	1199595.2593	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	235920666	200.0000	1179603.3313	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	475643166	400.0000	1189107.9138	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

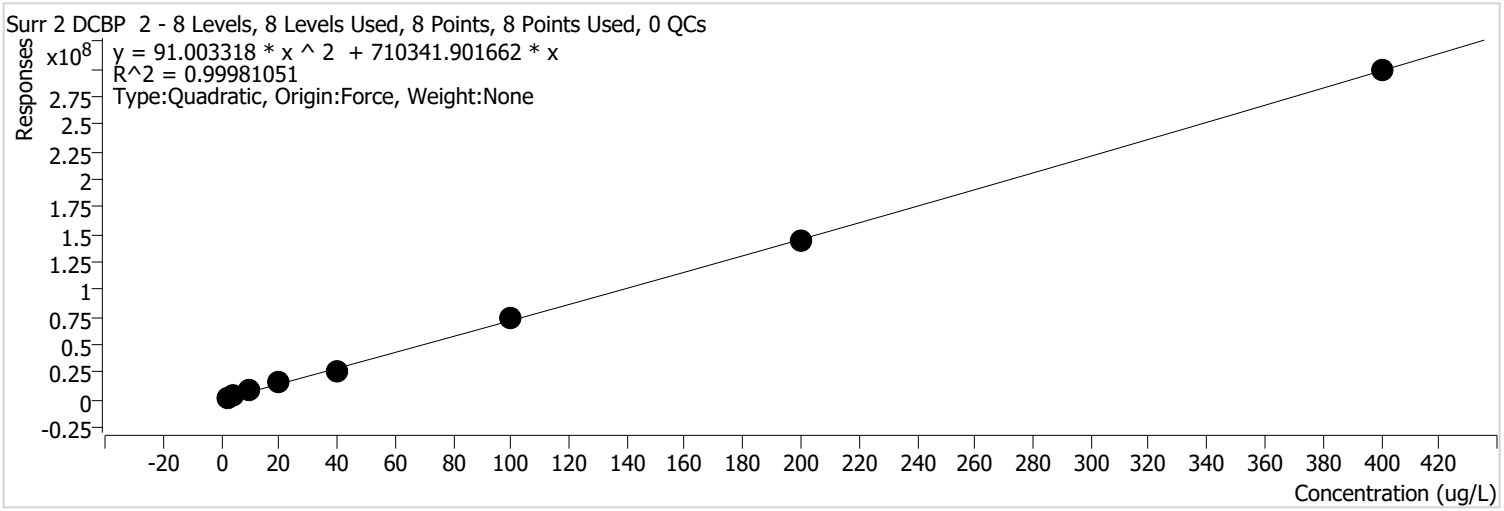
A1260 5 2 %RSE = 9.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	451222	0.0100	45122185.3248	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	939333	0.0200	46966672.7422	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2281184	0.0500	45623673.9193	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	4526047	0.1000	45260473.1199	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	7518618	0.2000	37593090.3608	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	20721889	0.5000	41443778.3307	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	46616994	1.0000	46616994.0487	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	85316606	2.0000	42658302.9412	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 2 DCBP 2 %RSE = 15.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1684288	2.0000	842143.9444	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	3386402	4.0000	846600.5281	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	8128369	10.0000	812836.8712	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	15858823	20.0000	792941.1733	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	25637587	40.0000	640939.6710	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	73246076	100.0000	732460.7624	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	145351163	200.0000	726755.8147	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	298729745	400.0000	746824.3635	

Zq 8/31/9/30/21

PCB Calibration

Date: 09/30/21

Analyst: Sam Beerman

Hexane: 5931

Cal		ICV	
Aroclor 1660:	25029	Aroclor 1660:	24706
Aroclor 1254:	23466	Aroclor 1254:	24708

Surrogate: 25760

Spike Conc. (ppb)	Surr Conc. (ppb)	2° Spike (uL)	1° Spike (uL)	Surr (uL)	Remove (uL)	Final Vol. (mL)	Comments
10	2	5	--	--	5	1	
20	4	10	--	--	10	1	
50	10	25	--	--	25	1	
100	20	50	--	--	50	1	
200	40	100	--	--	100	1	
500	100	250	--	--	250	1	
1000	200	--	1	10	2 11	1	SM 9/30/21
2000	400	--	2	20	4 22	1	SM 9/30/21
ICB	200	--	--	10	10	1	
ICV (1000 ppb)	200	--	1	10	2 11	1	SM 9/30/21

	1660 (uL)	1254 (uL)	Surr (uL)	Final Volume (mL)
2° Intermediate (1660)	2	--	2	1
2° Intermediate (1254)	--	2	2	1

Signature and Date: 9/30/21

Signature: EM

DATA SET for Review -- Deliverable Requirements

Total Metals by EPA Method 6020B

Fremont Analytical Work Order No. 2110219

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\101821eh\
Report Date/Time: Tuesday, October 19, 2021 07:26:41

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	WASH	09:58:03 Mon 18-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	NEW 2%	10:00:02 Mon 18-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	NEW 2%	10:02:01 Mon 18-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	NEW 2%	10:04:01 Mon 18-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	RINSE	10:06:40 Mon 18-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	RINSE	10:08:39 Mon 18-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	CAL BLK IS 23514	10:10:38 Mon 18-C	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	Standard 1	10:12:38 Mon 18-C	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	Standard 2	10:14:37 Mon 18-C	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	Standard 3	10:16:36 Mon 18-C	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	Standard 4	10:18:36 Mon 18-C	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	Standard 5	10:20:35 Mon 18-C	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	Standard 6	10:22:34 Mon 18-C	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	Standard 7	10:24:33 Mon 18-C	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	Standard 8	10:26:32 Mon 18-C	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	WASH	10:28:34 Mon 18-C	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	ICB	10:30:33 Mon 18-C	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	ICV	10:32:34 Mon 18-C	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	WASH	10:34:33 Mon 18-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	MB-34067	10:52:14 Mon 18-C	Sample	C:\Users\Public\DocumMBLK,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	LCS-34067	10:54:13 Mon 18-C	Sample	C:\Users\Public\DocumLCS,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	2110166-001A	10:56:12 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	2110166-001ADUP	10:58:12 Mon 18-C	Sample	C:\Users\Public\DocumDUP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	2110166-001AMS	11:00:11 Mon 18-C	Sample	C:\Users\Public\DocumMS,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	2110166-001AMSD	11:02:11 Mon 18-C	Sample	C:\Users\Public\DocumMSD,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	2110114-001A	11:04:10 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	2110142-018A	11:06:09 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	2110142-019A	11:08:08 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	2110142-020A	11:10:07 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	CCV	11:12:08 Mon 18-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	CCB	11:14:07 Mon 18-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	2110159-001A	11:16:07 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	2110178-001A	11:18:06 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	2110178-002A	11:20:06 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	2110178-003A	11:22:05 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	2110191-001A	11:24:04 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	2110200-001A	11:26:03 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	2110200-002A	11:28:02 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	2110212-001A	11:30:01 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	2110142-014A	11:32:01 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	WASH	11:34:01 Mon 18-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	CCV	11:35:59 Mon 18-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	CCB	11:37:59 Mon 18-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182	
	MB-34030	11:39:58 Mon 18-C	Sample	C:\Users\Public\DocumMBLK,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	LCS-34030	11:41:57 Mon 18-C	Sample	C:\Users\Public\DocumLCS,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	2110112-001A	11:43:57 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	2110112-001ADUP	11:45:56 Mon 18-C	Sample	C:\Users\Public\DocumDUP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	2110112-001AMS	11:47:55 Mon 18-C	Sample	C:\Users\Public\DocumMS,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	2110112-001AMSD	11:49:54 Mon 18-C	Sample	C:\Users\Public\DocumMSD,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182
	2110110-001B	11:51:54 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10182

2110142-001A	11:53:53 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
2110142-002A	11:55:53 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
2110142-003A	11:57:52 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
CCV	11:59:54 Mon 18-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
CCB	12:01:53 Mon 18-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
2110142-004A	12:03:53 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
2110142-005A	12:05:52 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
2110142-006A	12:07:51 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
2110142-007A	12:09:50 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
2110142-008A	12:11:50 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
2110142-009A	12:13:49 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
2110142-010A	12:15:49 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
2110142-011A	12:17:49 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
2110142-012A	12:19:48 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
2110142-013A	12:21:47 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
CCV	12:23:47 Mon 18-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
CCB	12:25:47 Mon 18-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
CCV	12:29:04 Mon 18-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
CCB	12:31:04 Mon 18-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
2110142-015A	12:35:10 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
2110142-016A	12:37:09 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
2110142-017A	12:39:08 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
WASH	12:41:08 Mon 18-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
MB-34002	12:43:08 Mon 18-C	Sample	C:\Users\Public\DocumMBLK,M-6020-S gistix\ICPMS\DataSet\Oct2021\10182
LCS-34002	12:45:08 Mon 18-C	Sample	C:\Users\Public\DocumLCS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10182
2110088-004A	12:47:07 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10182
2110088-004ADIL	12:49:07 Mon 18-C	Sample	C:\Users\Public\DocumSD,M-6020-S gistix\ICPMS\DataSet\Oct2021\10182
2110088-004AMS	12:51:08 Mon 18-C	Sample	C:\Users\Public\DocumMS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10182
2110088-004AMSD	12:53:07 Mon 18-C	Sample	C:\Users\Public\DocumMSD,M-6020-S gistix\ICPMS\DataSet\Oct2021\10182
CCV	12:55:07 Mon 18-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
CCB	12:57:07 Mon 18-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
WASH	12:59:18 Mon 18-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
CCV	13:01:17 Mon 18-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
CCB	13:03:17 Mon 18-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
ICSA	13:05:54 Mon 18-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
2109392-001A	13:31:51 Mon 18-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
CCV	13:33:54 Mon 18-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
CCB	13:35:57 Mon 18-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
2110088-004APDS	13:47:22 Mon 18-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
2110080-001A	13:49:25 Mon 18-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
CCV	13:51:28 Mon 18-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
CCB	13:53:30 Mon 18-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
CAL BLK IS 23514	13:56:31 Mon 18-C	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
Standard 7	13:58:34 Mon 18-C	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
Standard 8	14:00:36 Mon 18-C	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
WASH	14:02:40 Mon 18-C	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
ICB	14:04:42 Mon 18-C	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
ICV	14:06:45 Mon 18-C	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
WASH	14:08:46 Mon 18-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
MB-34017	14:17:01 Mon 18-C	Sample	C:\Users\Public\DocumMBLK,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
LCS-34017	14:19:04 Mon 18-C	Sample	C:\Users\Public\DocumLCS,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
2109519-001A	14:21:07 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
2109519-001ADUP	14:23:09 Mon 18-C	Sample	C:\Users\Public\DocumDUP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
2109519-001AMS	14:25:13 Mon 18-C	Sample	C:\Users\Public\DocumMS,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
2109519-001AMSD	14:27:16 Mon 18-C	Sample	C:\Users\Public\DocumMSD,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
2110161-001D	14:29:18 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
2110035-002D 5X	14:31:21 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
2110035-003D 5X	14:33:23 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
2110035-004D 5X	14:35:27 Mon 18-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
WASH	14:42:14 Mon 18-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182

CCV	14:44:16 Mon 18-CQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
CCB	14:46:18 Mon 18-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
MB-34067	14:52:29 Mon 18-CSample	C:\Users\Public\DocumMBLK,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
LCS-34067	14:54:32 Mon 18-CSample	C:\Users\Public\DocumLCS,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
2110166-001A	14:56:35 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
2110166-001ADUP	14:58:38 Mon 18-CSample	C:\Users\Public\DocumDUP,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
2110166-001AMS	15:00:41 Mon 18-CSample	C:\Users\Public\DocumMS,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
2110166-001AMSD	15:02:43 Mon 18-CSample	C:\Users\Public\DocumMSD,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
MB-33892	15:04:46 Mon 18-CSample	C:\Users\Public\DocumMBLK,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
LCS-33892	15:06:49 Mon 18-CSample	C:\Users\Public\DocumLCS,M-200.8-DW gistix\ICPMS\DataSet\Oct2021\10182
CCV	15:08:52 Mon 18-CQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
CCB	15:10:54 Mon 18-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
CAL BLK IS 23514	15:14:03 Mon 18-CBlank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
Standard 1	15:17:22 Mon 18-CStandard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
Standard 2	15:19:42 Mon 18-CStandard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
Standard 3	15:22:01 Mon 18-CStandard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
Standard 4	15:24:21 Mon 18-CStandard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
CAL BLK IS 23514	15:30:01 Mon 18-CBlank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
Standard 1	15:32:21 Mon 18-CStandard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
Standard 2	15:34:40 Mon 18-CStandard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
Standard 3	15:36:59 Mon 18-CStandard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
Standard 4	15:39:18 Mon 18-CStandard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
Standard 5	15:41:38 Mon 18-CStandard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
Standard 6	15:43:57 Mon 18-CStandard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
Standard 7	15:46:16 Mon 18-CStandard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
Standard 8	15:48:36 Mon 18-CStandard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
WASH	15:50:56 Mon 18-CQC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
ICB	15:53:15 Mon 18-CQC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
ICV	15:55:34 Mon 18-CQC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
WASH	15:57:54 Mon 18-CSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
ICSA	16:00:14 Mon 18-CSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
LDR	16:02:34 Mon 18-CSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
WASH	16:04:54 Mon 18-CSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
WASH	16:07:14 Mon 18-CSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
2110065-041A 10X	16:09:35 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10182
2110065-001A 5X	16:11:55 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10182
LCS-34029	16:14:15 Mon 18-CSample	C:\Users\Public\DocumLCS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10182
2110170-001A 100X	16:16:35 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10182
2110170-001A 10X	16:18:55 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-TCLP gistix\ICPMS\DataSet\Oct2021\10182
CCV	16:21:15 Mon 18-CQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
CCB	16:23:35 Mon 18-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
WASH	16:25:54 Mon 18-CSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
MB-34059	16:28:15 Mon 18-CSample	C:\Users\Public\DocumMBLK,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
LCS-34059	16:30:34 Mon 18-CSample	C:\Users\Public\DocumLCS,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
2110208-006A	16:32:54 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
2110208-006ADUP	16:35:13 Mon 18-CSample	C:\Users\Public\DocumDUP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
2110208-006AMS	16:37:33 Mon 18-CSample	C:\Users\Public\DocumMS,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
2110208-006AMSD	16:39:53 Mon 18-CSample	C:\Users\Public\DocumMSD,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
2110194-001A	16:42:12 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
2110194-002A	16:44:32 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
2110194-003A	16:46:51 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
CCV	16:49:12 Mon 18-CQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
CCB	16:51:31 Mon 18-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10182
2110194-004A	16:53:52 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
2110194-005A	16:56:11 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
2110194-006A	16:58:31 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
2110203-001A	17:00:50 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
2110206-001A	17:03:10 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
2110206-002A	17:05:30 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182
2110215-001D	17:07:49 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10182

2110215-002D	17:10:09 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10182
2110215-003D	17:12:28 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10182
2110215-004C	17:14:48 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10182
CCV	17:17:08 Mon 18-CQC Std #4	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10182
CCB	17:19:28 Mon 18-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10182
2110215-005C	17:21:48 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10182
2110215-006C	17:24:08 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10182
2110215-007C	17:26:27 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10182
2110215-008D	17:28:47 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10182
2110215-009D	17:31:07 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10182
2110215-010D	17:33:26 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10182
WASH	17:35:47 Mon 18-CSample	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10182
MB-34051	17:38:07 Mon 18-CSample	C:\Users\Public\DocumMBLK,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
LCS-34051	17:40:27 Mon 18-CSample	C:\Users\Public\DocumLCS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
2110219-001A	17:42:46 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
CCV	17:45:07 Mon 18-CQC Std #4	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10182
CCB	17:47:26 Mon 18-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10182
2110219-001ADIL	17:49:47 Mon 18-CSample	C:\Users\Public\DocumSD,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
2110219-001AMS	17:52:07 Mon 18-CSample	C:\Users\Public\DocumMS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
2110219-001AMSD	17:54:27 Mon 18-CSample	C:\Users\Public\DocumMSD,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
2110219-001APDS	17:56:46 Mon 18-CSample	C:\Users\Public\DocumPDS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
2110219-003A	17:59:06 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
2110219-004A	18:01:25 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
2110219-005A	18:03:45 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
2110181-005A	18:06:05 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
2110184-001A	18:08:24 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
2110195-002A	18:10:44 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
CCV	18:13:04 Mon 18-CQC Std #4	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10182
CCB	18:15:24 Mon 18-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10182
2110196-001A	18:17:45 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
2110196-002A	18:20:04 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
2110196-003A	18:22:24 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
2110196-004A	18:24:43 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
2110196-005A	18:27:03 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
2110196-006A	18:29:23 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
2110196-008A	18:31:42 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
2110196-009A	18:34:02 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
2110196-010A	18:36:21 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
2110196-011A	18:38:41 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
CCV	18:41:01 Mon 18-CQC Std #4	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10182
CCB	18:43:21 Mon 18-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10182
2110196-012A	18:45:41 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
2110196-013A	18:48:00 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
2110196-014A	18:50:20 Mon 18-CSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10182
CCV	18:52:40 Mon 18-CQC Std #4	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10182
CCB	18:55:00 Mon 18-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10182
2%	18:57:20 Mon 18-CQC Std #7	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10182
DI	18:59:40 Mon 18-CQC Std #8	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10182

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\101921eh\
Report Date/Time: Wednesday, October 20, 2021 07:45:49

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	WASH	08:40:39 Tue 19-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	WASH	08:43:59 Tue 19-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	WASH	08:46:19 Tue 19-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	WASH	08:57:52 Tue 19-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	WASH	09:00:11 Tue 19-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	WASH	09:02:31 Tue 19-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	CAL BLK IS 23514	09:05:43 Tue 19-O	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	Standard 1	09:08:02 Tue 19-O	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	Standard 2	09:10:22 Tue 19-O	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	Standard 3	09:12:41 Tue 19-O	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	Standard 4	09:15:00 Tue 19-O	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	Standard 5	09:17:20 Tue 19-O	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	Standard 6	09:19:39 Tue 19-O	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	Standard 7	09:21:58 Tue 19-O	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	Standard 8	09:24:18 Tue 19-O	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	WASH	09:26:38 Tue 19-O	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	ICB	09:28:58 Tue 19-O	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	ICV	09:31:17 Tue 19-O	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	WASH	09:33:37 Tue 19-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	ICSA	09:46:11 Tue 19-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	LDR	09:48:32 Tue 19-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	WASH	09:50:52 Tue 19-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	WASH	09:54:18 Tue 19-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	WASH	09:56:37 Tue 19-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	LCS-34051	10:16:38 Tue 19-O	Sample	C:\Users\Public\DocumLCS,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10192
	2110219-001A	10:18:58 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10192
	2110219-001ADIL	10:21:17 Tue 19-O	Sample	C:\Users\Public\DocumSD,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10192
	2110181-005A 5X	10:23:36 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10192
	2110184-001A 5X	10:25:56 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10192
	2110195-002A	10:28:15 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10192
	2110196-001A	10:30:34 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10192
	2110196-002A	10:32:54 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10192
	2110196-003A	10:35:13 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10192
	2110196-004A	10:37:32 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10192
	CCV	10:39:52 Tue 19-O	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	CCB	10:42:12 Tue 19-O	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	2110196-005A	10:44:31 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10192
	2110196-006A	10:46:50 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10192
	2110196-008A	10:49:10 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10192
	2110196-009A	10:51:29 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10192
	2110196-010A	10:53:48 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10192
	2110196-011A	10:56:07 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10192
	2110196-012A	10:58:27 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10192
	2110196-013A	11:00:46 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10192
	2110196-014A	11:03:05 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10192
	CCV	11:05:25 Tue 19-O	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	CCB	11:07:45 Tue 19-O	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	RINSE	11:10:48 Tue 19-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	CCV	11:13:07 Tue 19-O	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
	CCB	11:15:27 Tue 19-O	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	

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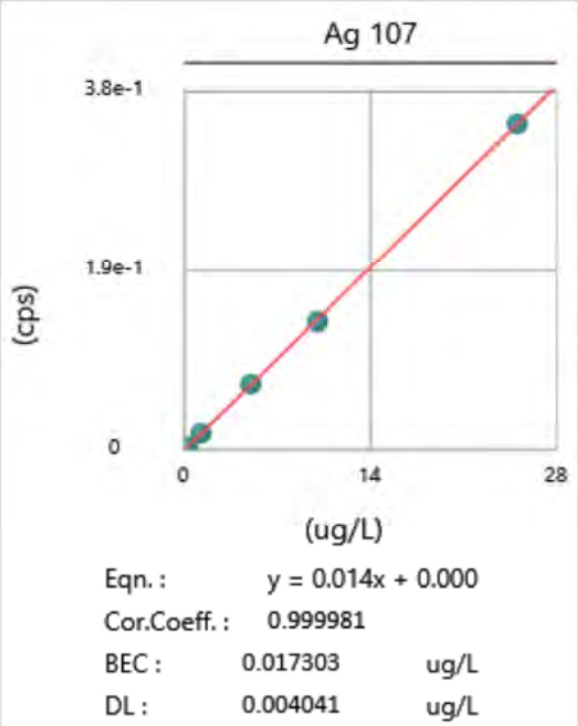
LCS-33985	11:22:56 Tue 19-OSample	C:\Users\Public\DocumLCS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10192
2110065-015A	11:25:15 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10192
2110065-015ADIL	11:27:35 Tue 19-OSample	C:\Users\Public\DocumSD,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10192
2110065-015AMS	11:29:55 Tue 19-OSample	C:\Users\Public\DocumMS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10192
2110065-015AMSD	11:32:15 Tue 19-OSample	C:\Users\Public\DocumMSD,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10192
2110065-015APDS	11:34:34 Tue 19-OSample	C:\Users\Public\DocumPDS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10192
CCV	11:36:55 Tue 19-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
CCB	11:39:14 Tue 19-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
MB-34030	11:44:55 Tue 19-OSample	C:\Users\Public\DocumMBLK,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10192
2110112-001A	11:47:15 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10192
2110112-001ADUP	11:49:35 Tue 19-OSample	C:\Users\Public\DocumDUP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10192
MB-34063FB	11:51:54 Tue 19-OSample	C:\Users\Public\DocumMBLK,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10192
MB-33950	11:54:14 Tue 19-OSample	C:\Users\Public\DocumMBLK,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10192
LCS-33950	11:56:33 Tue 19-OSample	C:\Users\Public\DocumLCS,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10192
2110068-001C	11:58:52 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10192
2110068-001CDUP	12:01:12 Tue 19-OSample	C:\Users\Public\DocumDUP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10192
2110068-001CMS	12:03:31 Tue 19-OSample	C:\Users\Public\DocumMS,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10192
2110068-001CMSD	12:05:50 Tue 19-OSample	C:\Users\Public\DocumMSD,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10192
CCV	12:08:10 Tue 19-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
CCB	12:10:30 Tue 19-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
WASH	12:12:50 Tue 19-OSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
MB-34073	12:15:09 Tue 19-OSample	C:\Users\Public\DocumMBLK,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10192
LCS-34073	12:17:29 Tue 19-OSample	C:\Users\Public\DocumLCS,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10192
2110215-011D	12:19:48 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10192
2110215-011DDUP	12:22:07 Tue 19-OSample	C:\Users\Public\DocumDUP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10192
2110215-011DMS	12:24:27 Tue 19-OSample	C:\Users\Public\DocumMS,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10192
2110215-011DMSD	12:26:46 Tue 19-OSample	C:\Users\Public\DocumMSD,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10192
2110225-001E 5X	12:29:06 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10192
LCS-34059	12:31:26 Tue 19-OSample	C:\Users\Public\DocumLCS,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10192
2110206-002A 20X	12:33:47 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10192
CCV	12:36:07 Tue 19-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
CCB	12:38:27 Tue 19-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
2110215-012D	12:46:02 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10192
2110215-013C	12:48:21 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10192
2110215-014D	12:50:40 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10192
2110196-018A	12:53:00 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10192
2110196-019A	12:55:19 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10192
2110196-020A	12:57:41 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10192
2110223-001C	13:00:00 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10192
CCV	13:02:20 Tue 19-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
CCB	13:04:40 Tue 19-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
LDR	14:12:55 Tue 19-OSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
LDR	14:25:55 Tue 19-OSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
LCS-34073	14:29:55 Tue 19-OSample	C:\Users\Public\DocumLCS,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10192
WASH	14:32:16 Tue 19-OSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
WASH	14:34:36 Tue 19-OSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
CAL BLK IS 23514	15:13:13 Tue 19-OBlank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
Standard 1	15:17:48 Tue 19-OStandard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
CAL BLK IS 23514	15:25:19 Tue 19-OBlank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
CAL BLK IS 23514	15:28:50 Tue 19-OBlank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
Standard 1	15:34:25 Tue 19-OStandard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
Standard 2	15:39:59 Tue 19-OStandard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
Standard 3	15:45:33 Tue 19-OStandard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
Standard 4	15:51:07 Tue 19-OStandard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
Standard 5	15:56:41 Tue 19-OStandard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
Standard 6	16:02:15 Tue 19-OStandard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
Standard 7	16:07:49 Tue 19-OStandard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
Standard 8	16:13:24 Tue 19-OStandard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	
WASH	16:18:59 Tue 19-OQC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192	

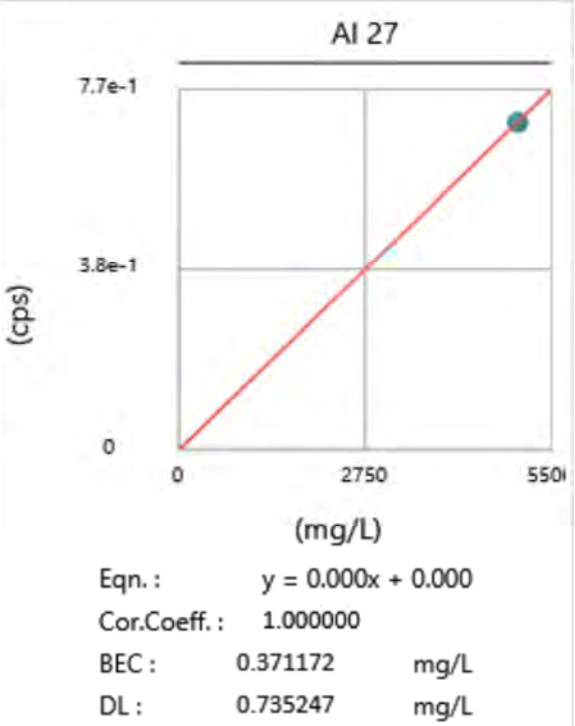
ICB	16:24:33 Tue 19-OQC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
ICV	16:30:07 Tue 19-OQC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
WASH	16:35:41 Tue 19-OSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
ICSA	16:41:16 Tue 19-OSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
LDR	16:46:51 Tue 19-OSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
WASH	16:52:25 Tue 19-OSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
WASH	16:58:00 Tue 19-OSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
MB-34084	17:03:35 Tue 19-OSample	C:\Users\Public\DocumMBLK,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
LCS-34084	17:09:08 Tue 19-OSample	C:\Users\Public\DocumLCS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
2110072-010A	17:14:42 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
2110072-010ADIL	17:20:15 Tue 19-OSample	C:\Users\Public\DocumSD,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
2110072-010AMS	17:25:50 Tue 19-OSample	C:\Users\Public\DocumMS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
CCV	17:31:25 Tue 19-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
CCB	17:36:59 Tue 19-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
2110072-010AMSD	17:42:34 Tue 19-OSample	C:\Users\Public\DocumMSD,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
2110072-010APDS	17:48:07 Tue 19-OSample	C:\Users\Public\DocumPDS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
2110072-002A	17:53:40 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
2110072-004A	17:59:14 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
2110072-008A	18:04:47 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
2110072-014A	18:10:21 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
2110072-018A	18:15:54 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
2110072-022A	18:21:28 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
2110072-024A	18:27:01 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
2110072-026A	18:32:34 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
CCV	18:38:09 Tue 19-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
CCB	18:43:44 Tue 19-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
2110072-030A	18:49:18 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
2110072-032A	18:54:52 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
2110135-004A	19:00:26 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
2110196-015A	19:06:00 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
2110196-016A	19:11:34 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
2110196-017A	19:17:08 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
2110242-001A	19:22:41 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
WASH	19:28:16 Tue 19-OSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
MB-34083	19:33:50 Tue 19-OSample	C:\Users\Public\DocumMBLK,M-TCLP gistix\ICPMS\DataSet\Oct2021\10192
LCS-34083	19:39:23 Tue 19-OSample	C:\Users\Public\DocumLCS,M-TCLP gistix\ICPMS\DataSet\Oct2021\10192
CCV	19:44:58 Tue 19-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
CCB	19:50:33 Tue 19-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
2110240-001A	19:56:07 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-TCLP gistix\ICPMS\DataSet\Oct2021\10192
2110240-001ADUP	20:01:41 Tue 19-OSample	C:\Users\Public\DocumDUP,M-TCLP gistix\ICPMS\DataSet\Oct2021\10192
2110240-001AMS	20:07:15 Tue 19-OSample	C:\Users\Public\DocumMS,M-TCLP gistix\ICPMS\DataSet\Oct2021\10192
2110240-001AMSD	20:12:48 Tue 19-OSample	C:\Users\Public\DocumMSD,M-TCLP gistix\ICPMS\DataSet\Oct2021\10192
2110221-001A	20:18:21 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-TCLP gistix\ICPMS\DataSet\Oct2021\10192
2110221-001AMS	20:23:54 Tue 19-OSample	C:\Users\Public\DocumMS,M-TCLP gistix\ICPMS\DataSet\Oct2021\10192
MB2-34083	20:29:28 Tue 19-OSample	C:\Users\Public\DocumMBLK,M-TCLP gistix\ICPMS\DataSet\Oct2021\10192
WASH	20:35:02 Tue 19-OSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
MB-34050	20:40:37 Tue 19-OSample	C:\Users\Public\DocumMBLK,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10192
LCS-34050	20:46:11 Tue 19-OSample	C:\Users\Public\DocumLCS,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10192
CCV	20:51:46 Tue 19-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
CCB	20:57:20 Tue 19-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
2110169-002B	21:02:54 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10192
2110169-002BDUP	21:08:28 Tue 19-OSample	C:\Users\Public\DocumDUP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10192
2110010-031B	21:14:01 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10192
2110010-031B	21:19:34 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10192
WASH	21:25:09 Tue 19-OSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
MB-34029	21:30:42 Tue 19-OSample	C:\Users\Public\DocumMBLK,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
LCS-34029	21:36:16 Tue 19-OSample	C:\Users\Public\DocumLCS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
2110170-001A	21:41:49 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
2110170-001ADIL	21:47:22 Tue 19-OSample	C:\Users\Public\DocumSD,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
2110009-009A	21:52:56 Tue 19-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192

CCV	21:58:31 Tue 19-O	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
CCB	22:04:06 Tue 19-O	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
2110009-009A	22:09:40 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10192
WASH	22:15:14 Tue 19-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
MB-34017	22:20:48 Tue 19-O	Sample	C:\Users\Public\DocumMBLK,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10192
LCS-34017	22:26:23 Tue 19-O	Sample	C:\Users\Public\DocumLCS,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10192
2109519-001A	22:31:57 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10192
2109519-001ADUP	22:37:31 Tue 19-O	Sample	C:\Users\Public\DocumDUP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10192
2110010-030B	22:43:04 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10192
2110010-030B	22:48:39 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10192
WASH	22:54:14 Tue 19-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
MB-33950	22:59:48 Tue 19-O	Sample	C:\Users\Public\DocumMBLK,M-200.8-D gistix\ICPMS\DataSet\Oct2021\10192
CCV	23:05:23 Tue 19-O	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
CCB	23:10:58 Tue 19-O	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
LCS-33950	23:16:33 Tue 19-O	Sample	C:\Users\Public\DocumLCS,M-200.8-D gistix\ICPMS\DataSet\Oct2021\10192
2110068-001C	23:22:06 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-D gistix\ICPMS\DataSet\Oct2021\10192
2110068-001CDUP	23:27:41 Tue 19-O	Sample	C:\Users\Public\DocumDUP,M-200.8-D gistix\ICPMS\DataSet\Oct2021\10192
2110068-001CMS	23:33:15 Tue 19-O	Sample	C:\Users\Public\DocumMS,M-200.8-D gistix\ICPMS\DataSet\Oct2021\10192
2110068-001CMSD	23:38:49 Tue 19-O	Sample	C:\Users\Public\DocumMSD,M-200.8-D gistix\ICPMS\DataSet\Oct2021\10192
2110174-001E	23:44:24 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-D gistix\ICPMS\DataSet\Oct2021\10192
2110174-002D	23:49:58 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-D gistix\ICPMS\DataSet\Oct2021\10192
2110174-003E	23:55:32 Tue 19-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-D gistix\ICPMS\DataSet\Oct2021\10192
2110174-004D	00:01:07 Wed 20-(	Sample	C:\Users\Public\DocumSAMP,M-200.8-D gistix\ICPMS\DataSet\Oct2021\10192
2110174-005C	00:06:40 Wed 20-(	Sample	C:\Users\Public\DocumSAMP,M-200.8-D gistix\ICPMS\DataSet\Oct2021\10192
CCV	00:12:15 Wed 20-(	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
CCB	00:17:49 Wed 20-(	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
2110174-006C	00:23:24 Wed 20-(	Sample	C:\Users\Public\DocumSAMP,M-200.8-D gistix\ICPMS\DataSet\Oct2021\10192
2110174-008C	00:28:58 Wed 20-(	Sample	C:\Users\Public\DocumSAMP,M-200.8-D gistix\ICPMS\DataSet\Oct2021\10192
2110174-009C	00:34:33 Wed 20-(	Sample	C:\Users\Public\DocumSAMP,M-200.8-D gistix\ICPMS\DataSet\Oct2021\10192
2110174-010C	00:40:07 Wed 20-(	Sample	C:\Users\Public\DocumSAMP,M-200.8-D gistix\ICPMS\DataSet\Oct2021\10192
2110174-011C	00:45:41 Wed 20-(	Sample	C:\Users\Public\DocumSAMP,M-200.8-D gistix\ICPMS\DataSet\Oct2021\10192
2110174-012C	00:51:15 Wed 20-(	Sample	C:\Users\Public\DocumSAMP,M-200.8-D gistix\ICPMS\DataSet\Oct2021\10192
WASH	00:56:50 Wed 20-(	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
MB-33943	01:02:25 Wed 20-(	Sample	C:\Users\Public\DocumMBLK,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10192
LCS-33943	01:08:00 Wed 20-(	Sample	C:\Users\Public\DocumLCS,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10192
2110019-006A	01:13:34 Wed 20-(	Sample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10192
CCV	01:19:09 Wed 20-(	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
CCB	01:24:44 Wed 20-(	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
2110019-006ADUP	01:30:19 Wed 20-(	Sample	C:\Users\Public\DocumDUP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10192
2110008-001B	01:35:54 Wed 20-(	Sample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10192
2110054-004A 50X	01:41:28 Wed 20-(	Sample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10192
CCV	01:47:03 Wed 20-(	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
CCB	01:52:38 Wed 20-(	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
2%	01:58:12 Wed 20-(	QC Std #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192
DI	02:03:46 Wed 20-(	QC Std #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10192

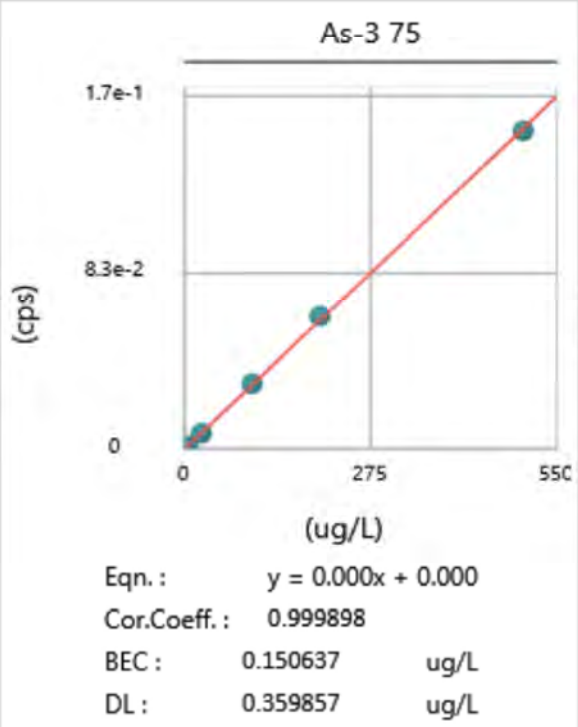
Calibration



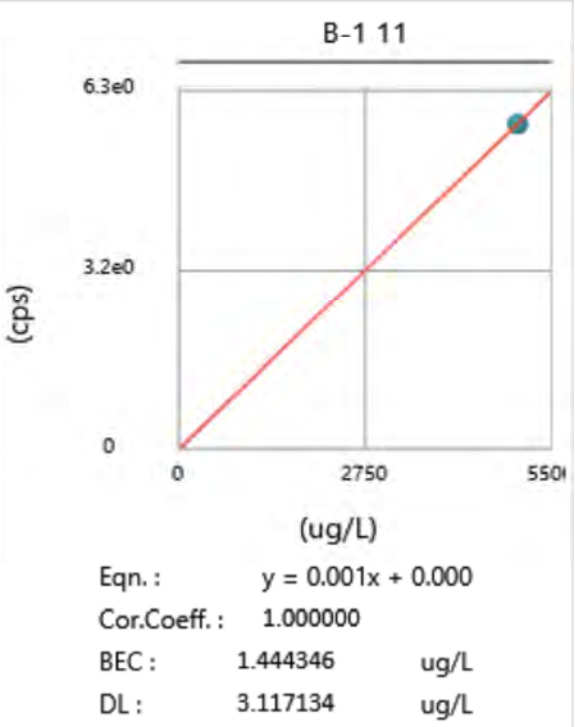
Eqn. : y = 0.014x + 0.000
Cor.Coeff. : 0.999981
BEC : 0.017303 ug/L
DL : 0.004041 ug/L



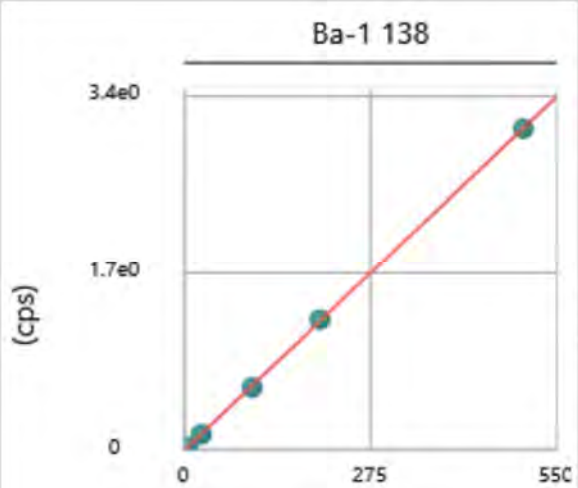
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.371172 mg/L
DL : 0.735247 mg/L



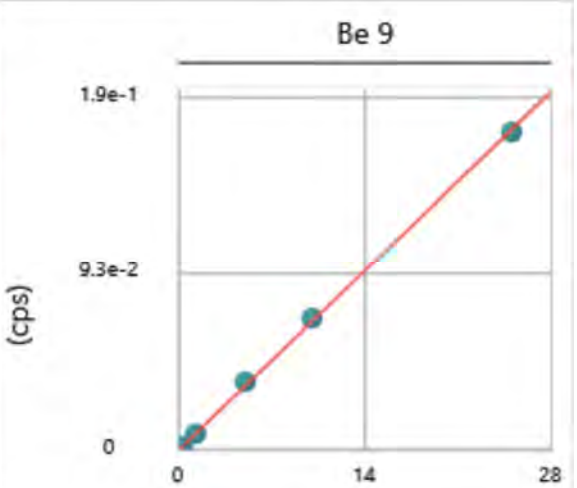
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999898
BEC : 0.150637 ug/L
DL : 0.359857 ug/L



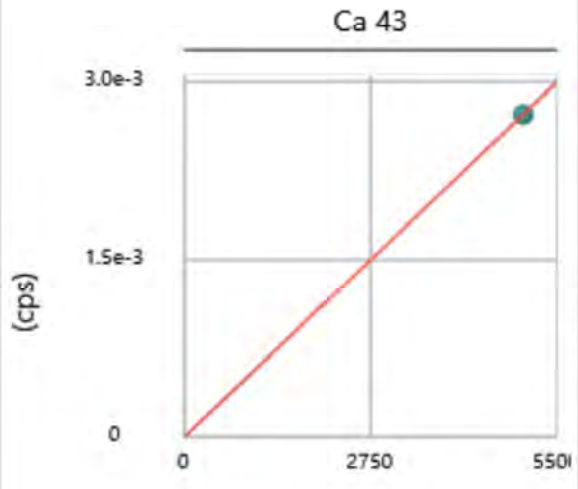
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 1.444346 ug/L
DL : 3.117134 ug/L



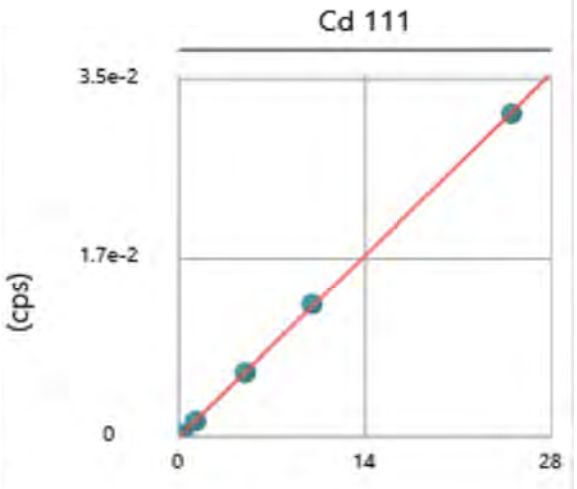
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999981
BEC : 0.099249 mg/L
DL : 0.224129 mg/L



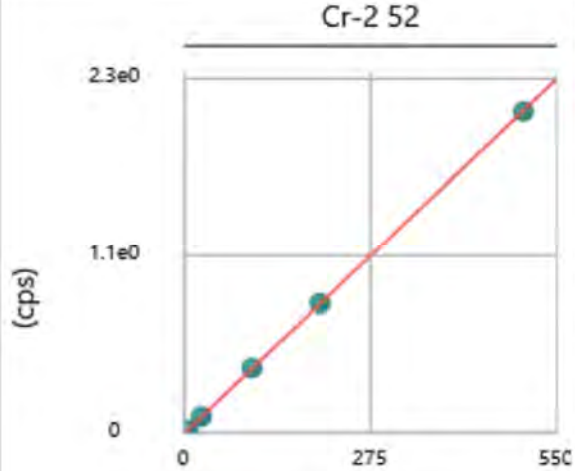
Eqn. : y = 0.007x + 0.000
Cor.Coeff. : 0.999850
BEC : 0.007675 ug/L
DL : 0.039881 ug/L



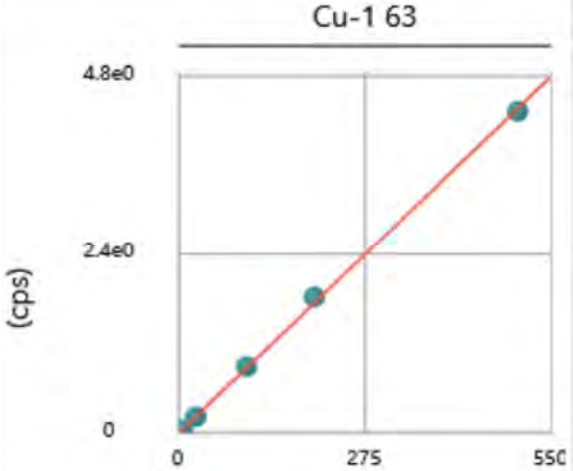
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 26.063510 mg/L
DL : 97.763100 mg/L



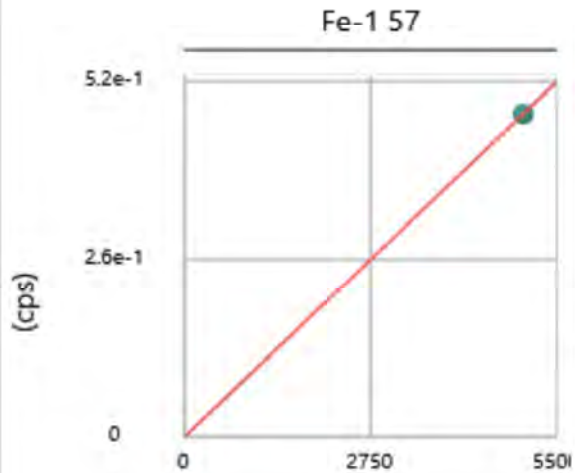
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999963
BEC : 0.028890 mg/L
DL : 0.044621 mg/L



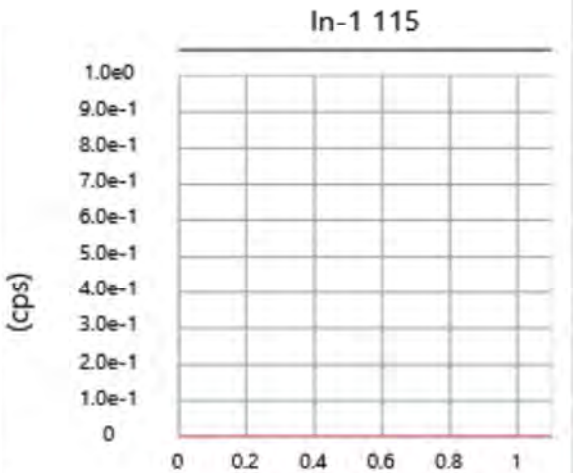
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999993
BEC : 0.112811 ug/L
DL : 0.210624 ug/L



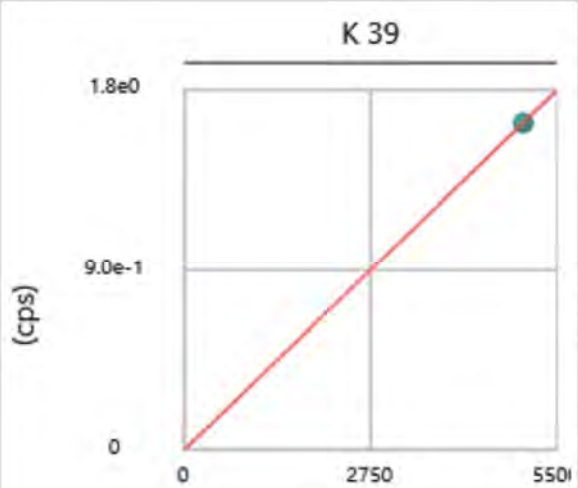
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999819
BEC : 0.094813 ug/L
DL : 0.220989 ug/L



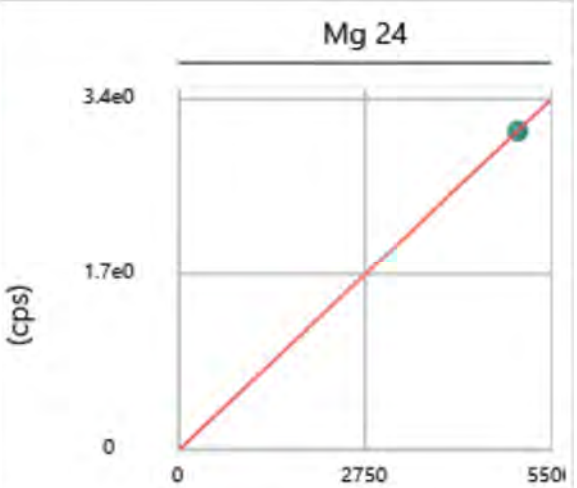
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.867642 ug/L
DL : 1.034950 ug/L



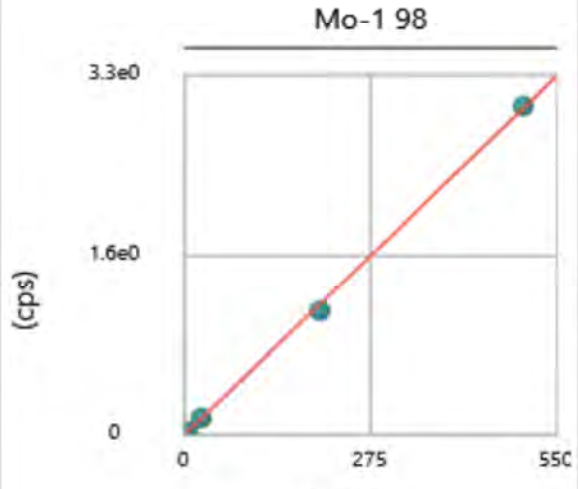
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



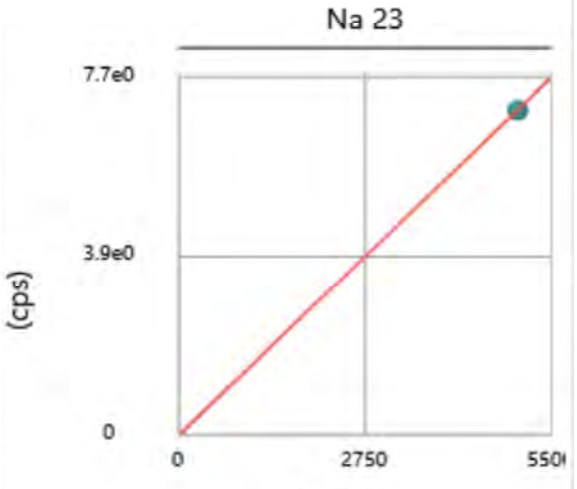
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 75.920393 mg/L
DL : 8.091609 mg/L



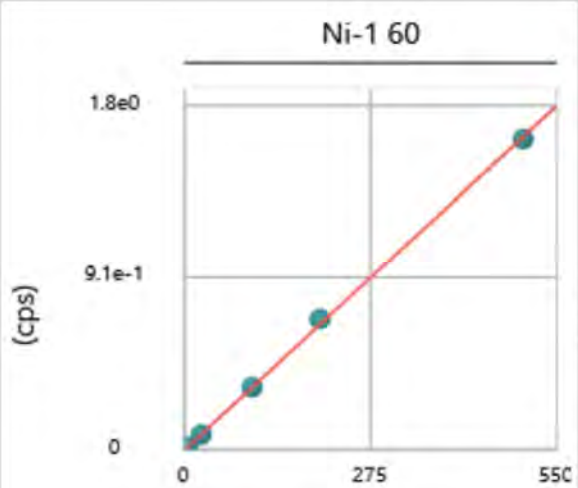
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.524658 mg/L
DL : 1.386675 mg/L



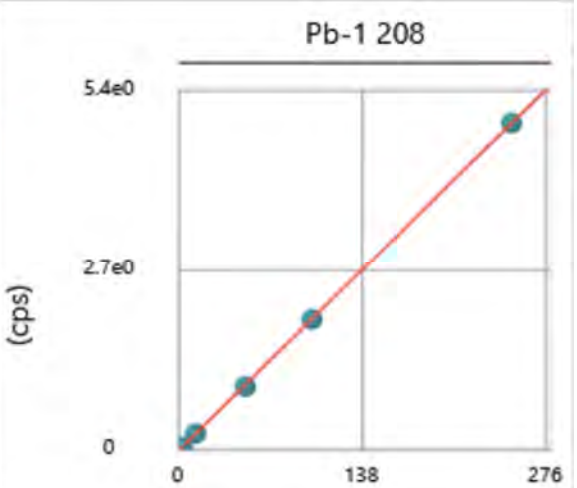
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999799
BEC : 0.020240 ug/L
DL : 0.009219 ug/L



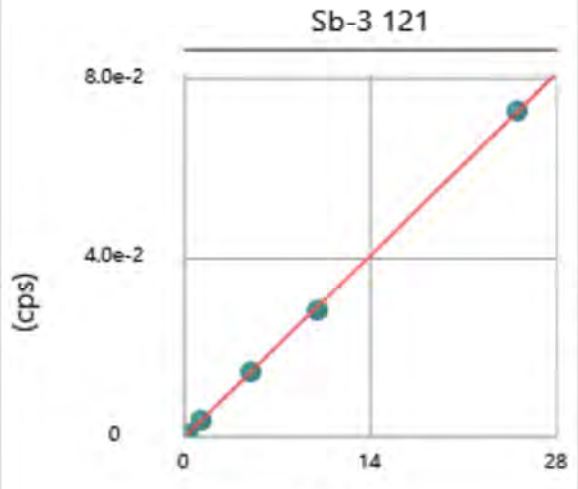
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 3.448413 mg/L
DL : 0.873729 mg/L



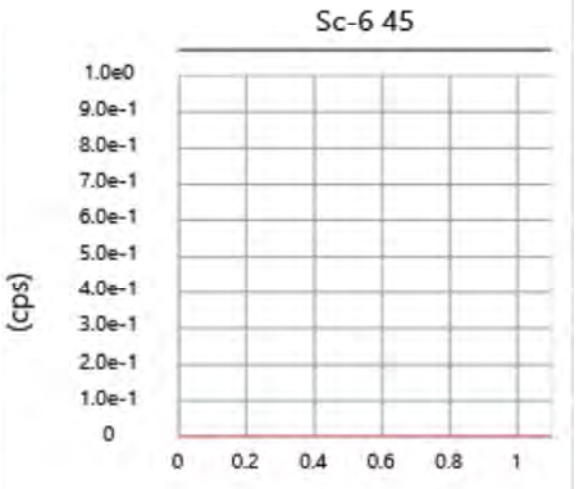
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999865
BEC : 0.112895 ug/L
DL : 0.240531 ug/L



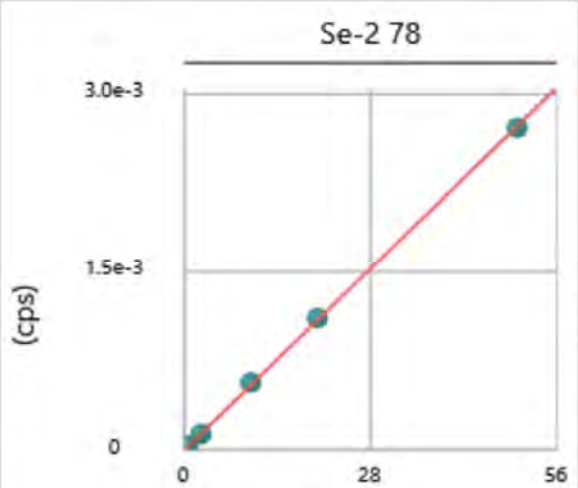
Eqn. : y = 0.020x + 0.000
Cor.Coeff. : 0.999987
BEC : 0.042694 ug/L
DL : 0.112339 ug/L



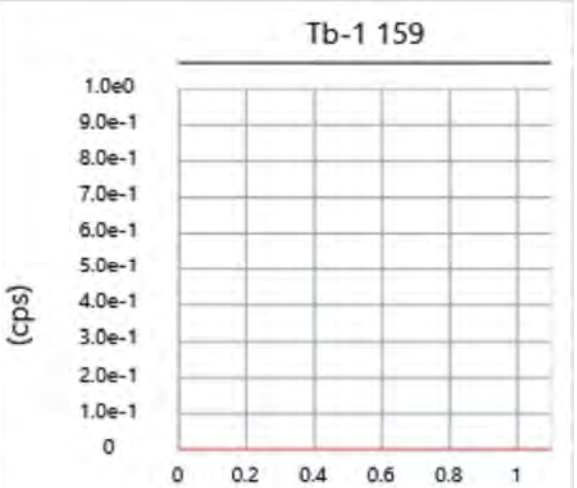
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999948
BEC : 0.006571 ug/L
DL : 0.009449 ug/L



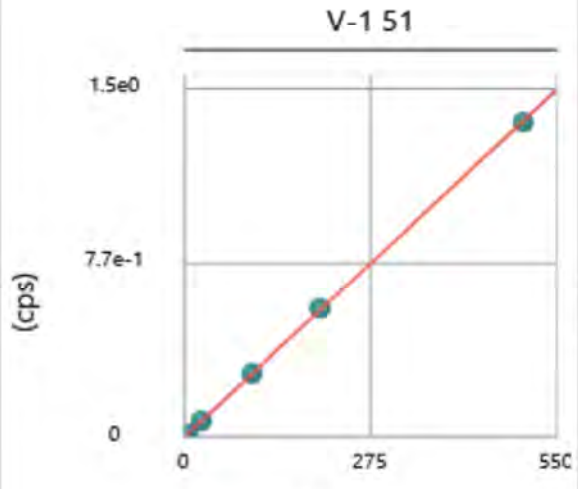
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN mg/L
DL : NaN mg/L



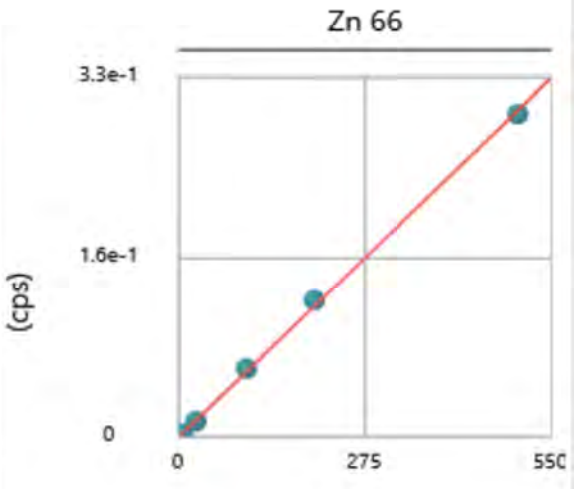
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999920
BEC : 0.530332 ug/L
DL : 0.412890 ug/L



Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999977
BEC : 0.304450 ug/L
DL : 0.187351 ug/L



Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999761
BEC : 0.152394 ug/L
DL : 0.172008 ug/L

Tunes

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 10/18/2021 9:52:05 AM
End Time: 10/18/2021 9:54:24 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 11869.40
Obtained Intensity (Mg 24): 45171.64
Obtained Intensity (In 115): 68703.40
Obtained Intensity (U 238): 54309.39
Obtained Intensity (Bkgd 220): 0.17
Obtained Formula (CeO 156 / Ce 140): 0.019 (=1381.93 / 73185.47)
Obtained Formula (Ce++ 70 / Ce 140): 0.010 (=744.35 / 73185.47)
Obtained RSD (Be 9): 0.0066
Obtained RSD (Mg 24): 0.0066
Obtained RSD (In 115): 0.0207
Obtained RSD (U 238): 0.0163

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 10/18/2021 9:52:05 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 11869.40
Obtained Intensity (Mg 24): 45171.64
Obtained Intensity (In 115): 68703.40
Obtained Intensity (U 238): 54309.39
Obtained Intensity (Bkgd 220): 0.17
Obtained Formula (CeO 156 / Ce 140): 0.019 (=1381.93 / 73185.47)
Obtained Formula (Ce++ 70 / Ce 140): 0.010 (=744.35 / 73185.47)
Obtained RSD (Be 9): 0.0066
Obtained RSD (Mg 24): 0.0066
Obtained RSD (In 115): 0.0207
Obtained RSD (U 238): 0.0163

[Passed] Optimum value(s): N/A

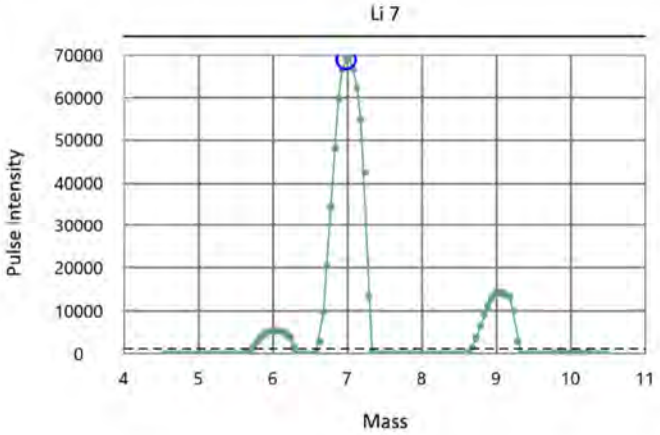
End Time: 10/18/2021 9:54:24 AM

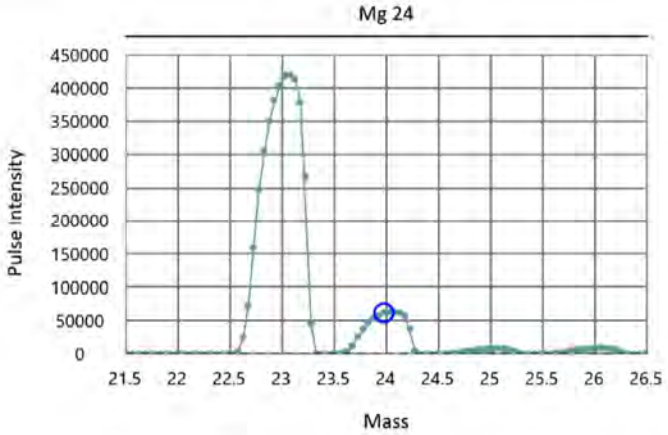
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/6.975), Target/Obtained resolution (0.7/0.685)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.689)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.669)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.707)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.685)

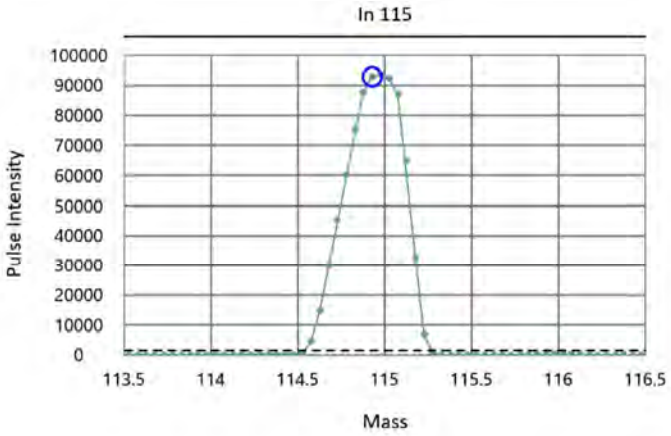
Acq. Date/Time: 10/18/2021 9:33:56 AM

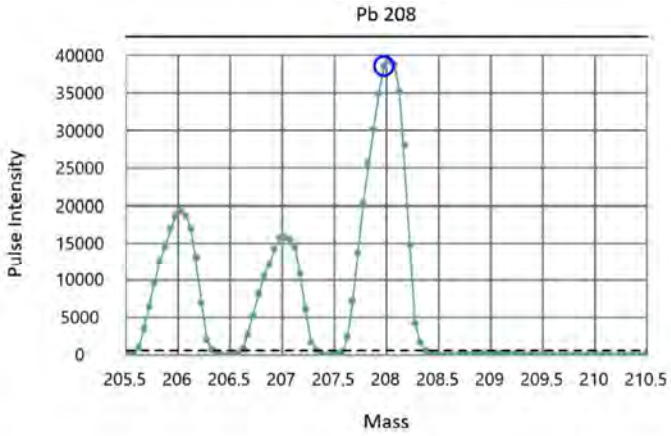
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

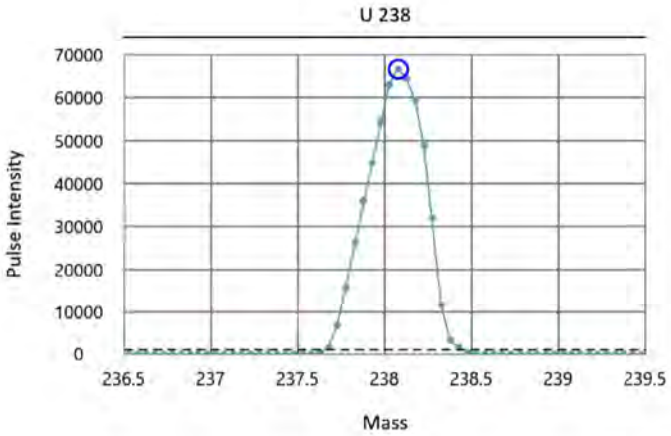
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	6.975	1323	2022	0.685	
Mg	23.985	23.975	4711	2023	0.689	
In	114.904	114.925	22852	2041	0.669	
Pb	207.977	207.975	41419	2060	0.707	
U	238.05	238.075	47424	2067	0.685	











SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 10/19/2021 8:34:16 AM
End Time: 10/19/2021 8:36:37 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 10510.33
Obtained Intensity (Mg 24): 39476.54
Obtained Intensity (In 115): 63095.44
Obtained Intensity (U 238): 49088.53
Obtained Intensity (Bkgd 220): 0.27
Obtained Formula (CeO 156 / Ce 140): 0.025 (=1883.72 / 74937.51)
Obtained Formula (Ce++ 70 / Ce 140): 0.012 (=900.10 / 74937.51)
Obtained RSD (Be 9): 0.0138
Obtained RSD (Mg 24): 0.0111
Obtained RSD (In 115): 0.0091
Obtained RSD (U 238): 0.0095

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 10/19/2021 8:34:16 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 10510.33
Obtained Intensity (Mg 24): 39476.54
Obtained Intensity (In 115): 63095.44
Obtained Intensity (U 238): 49088.53
Obtained Intensity (Bkgd 220): 0.27
Obtained Formula (CeO 156 / Ce 140): 0.025 (=1883.72 / 74937.51)
Obtained Formula (Ce++ 70 / Ce 140): 0.012 (=900.10 / 74937.51)
Obtained RSD (Be 9): 0.0138
Obtained RSD (Mg 24): 0.0111
Obtained RSD (In 115): 0.0091
Obtained RSD (U 238): 0.0095

[Passed] Optimum value(s): N/A

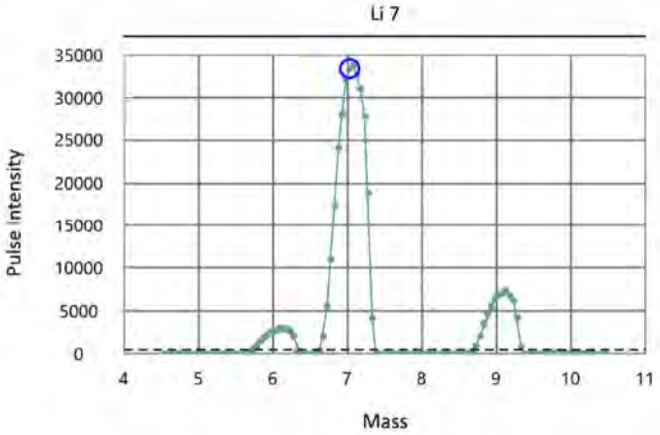
End Time: 10/19/2021 8:36:37 AM

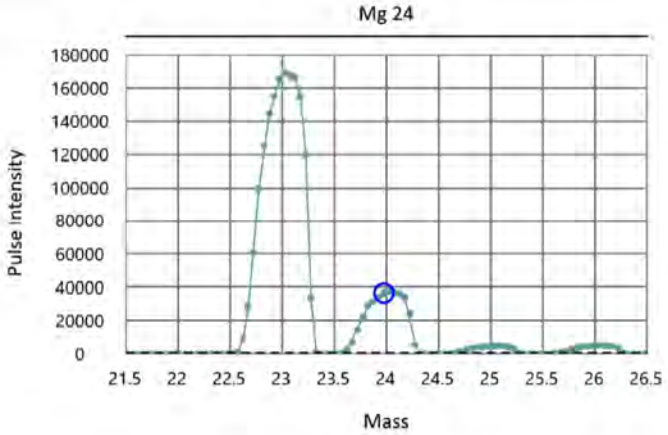
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.692)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.702)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.676)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.703)
Target/Obtained mass (238.05/238.025), Target/Obtained resolution (0.7/0.705)

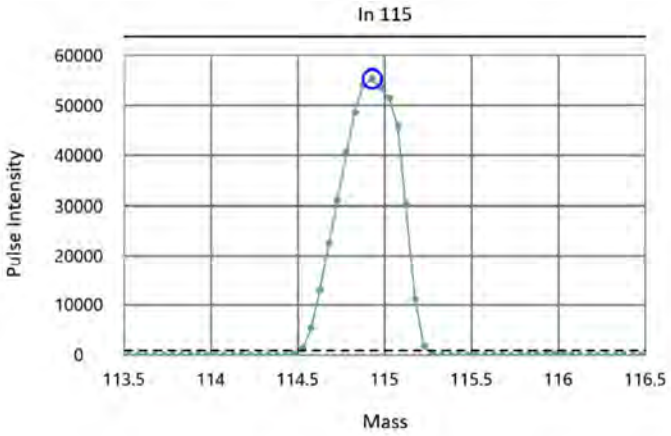
Acq. Date/Time: 10/19/2021 8:13:05 AM

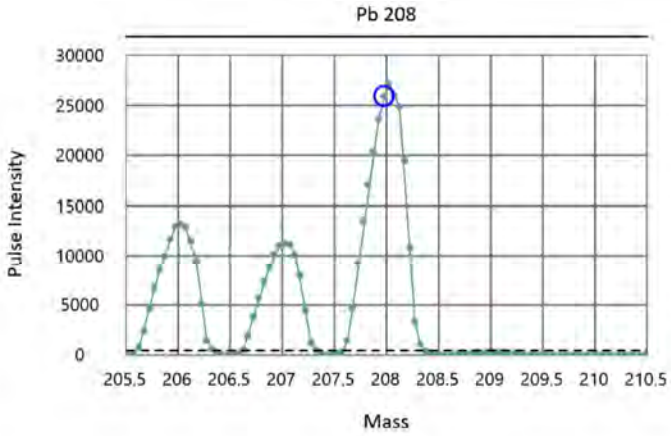
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

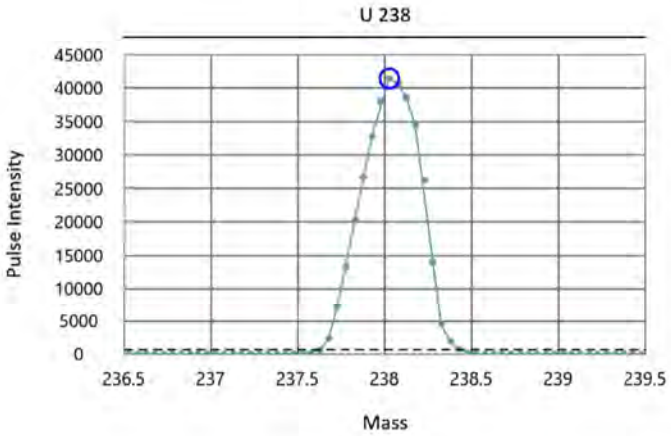
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1324	2022	0.692	
Mg	23.985	23.975	4709	2023	0.702	
In	114.904	114.925	22856	2041	0.676	
Pb	207.977	207.975	41418	2060	0.703	
U	238.05	238.025	47419	2067	0.705	











3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Shannon & Wilson
Ryan Peterson
400 N. 34th Street, Suite 100
Seattle, WA 98103

RE: 8801- Excavations
Work Order Number: 2110251

November 28, 2021

Attention Ryan Peterson:

Fremont Analytical, Inc. received 17 sample(s) on 10/18/2021 for the analyses presented in the following report.

Gasoline by NWTPH-Gx
Polychlorinated Biphenyls (PCB) by EPA 8082
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CLIENT: Shannon & Wilson
Project: 8801- Excavations
Work Order: 2110251

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110251-001	A3-SIDE30:2	10/18/2021 2:00 PM	10/18/2021 6:00 PM
2110251-001	A3-SIDE30:2	10/18/2021 2:00 PM	10/18/2021 6:00 PM
2110251-002	A3-BOT31:7	10/18/2021 2:03 PM	10/18/2021 6:00 PM
2110251-002	A3-BOT31:7	10/18/2021 2:03 PM	10/18/2021 6:00 PM
2110251-003	A3-SIDE32:5	10/18/2021 2:05 PM	10/18/2021 6:00 PM
2110251-003	A3-SIDE32:5	10/18/2021 2:05 PM	10/18/2021 6:00 PM
2110251-004	TRIP-20211018		10/18/2021 6:00 PM
2110251-005	A3-BOT33:4	10/18/2021 2:10 PM	10/18/2021 6:00 PM
2110251-005	A3-BOT33:4	10/18/2021 2:10 PM	10/18/2021 6:00 PM
2110251-006	A3-BOT34:4.5	10/18/2021 2:15 PM	10/18/2021 6:00 PM
2110251-006	A3-BOT34:4.5	10/18/2021 2:15 PM	10/18/2021 6:00 PM
2110251-007	A3-BOT35:5	10/18/2021 2:30 PM	10/18/2021 6:00 PM
2110251-007	A3-BOT35:5	10/18/2021 2:30 PM	10/18/2021 6:00 PM
2110251-008	A3-BOT36:4	10/18/2021 2:40 PM	10/18/2021 6:00 PM
2110251-008	A3-BOT36:4	10/18/2021 2:40 PM	10/18/2021 6:00 PM
2110251-009	A3-SIDE37:2	10/18/2021 2:45 PM	10/18/2021 6:00 PM
2110251-009	A3-SIDE37:2	10/18/2021 2:45 PM	10/18/2021 6:00 PM
2110251-010	A4-SIDE21:2	10/18/2021 4:00 PM	10/18/2021 6:00 PM
2110251-011	A4-SIDE21:6	10/18/2021 4:05 PM	10/18/2021 6:00 PM
2110251-012	A4-SIDE22:2	10/18/2021 4:10 PM	10/18/2021 6:00 PM
2110251-013	A4-SIDE22:6	10/18/2021 4:15 PM	10/18/2021 6:00 PM
2110251-014	A4-SIDE23:2	10/18/2021 4:20 PM	10/18/2021 6:00 PM
2110251-015	A4-SIDE23:6	10/18/2021 4:25 PM	10/18/2021 6:00 PM
2110251-016	A4-SIDE24:2	10/18/2021 4:30 PM	10/18/2021 6:00 PM
2110251-017	A4-SIDE24:6	10/18/2021 4:35 PM	10/18/2021 6:00 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Revision v1

Case Narrative

WO#: **2110251**
Date: **11/28/2021**

CLIENT: Shannon & Wilson
Project: 8801- Excavations

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2110251-008A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2110251-008A) required Florisil Cleanup Procedure (Using Method No 3620C).

11/28/2021: Revision 1 includes level 2B data package.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **2110251**
Date Reported: **11/28/2021**

Client: Shannon & Wilson
Collection Date: 10/18/2021 2:00:00 PM
Project: 8801- Excavations
Lab ID: 2110251-001
Matrix: Soil
Client Sample ID: A3-SIDE30:2

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34090			Analyst: SB
Aroclor 1016	ND	0.0380	0.00612		mg/Kg-dry	1	10/20/21 10:30:06
Aroclor 1221	ND	0.0380	0.00612		mg/Kg-dry	1	10/20/21 10:30:06
Aroclor 1232	ND	0.0380	0.00612		mg/Kg-dry	1	10/20/21 10:30:06
Aroclor 1242	ND	0.0380	0.00612		mg/Kg-dry	1	10/20/21 10:30:06
Aroclor 1248	ND	0.0380	0.00755		mg/Kg-dry	1	10/20/21 10:30:06
Aroclor 1254	0.204	0.0380	0.00755		mg/Kg-dry	1	10/20/21 10:30:06
Aroclor 1260	ND	0.0380	0.00755		mg/Kg-dry	1	10/20/21 10:30:06
Aroclor 1262	ND	0.0380	0.00755		mg/Kg-dry	1	10/20/21 10:30:06
Aroclor 1268	ND	0.0380	0.00755		mg/Kg-dry	1	10/20/21 10:30:06
Total PCBs	0.204	0.0380	0.00755		mg/Kg-dry	1	10/20/21 10:30:06
Surr: Decachlorobiphenyl	116	20.6 - 142			%Rec	1	10/20/21 10:30:06
Surr: Tetrachloro-m-xylene	109	22 - 157			%Rec	1	10/20/21 10:30:06
Gasoline by NWTPH-Gx				Batch ID: 34092			Analyst: CR
Gasoline	ND	6.48	2.59		mg/Kg-dry	1	10/20/21 0:13:46
Surr: Toluene-d8	101	65 - 135			%Rec	1	10/20/21 0:13:46
Surr: 4-Bromofluorobenzene	94.9	65 - 135			%Rec	1	10/20/21 0:13:46
Total Metals by EPA Method 6020B				Batch ID: 34102			Analyst: EH
Copper	31.6	0.831	0.156		mg/Kg-dry	1	10/21/21 13:49:36
Sample Moisture (Percent Moisture)				Batch ID: R70630			Analyst: MCH
Percent Moisture	8.83	0.500	0.100		wt%	1	10/19/21 12:29:03

Analytical Report

Work Order: **2110251**
Date Reported: **11/28/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110251-002
Client Sample ID: A3-BOT31:7

Collection Date: 10/18/2021 2:03:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34090			Analyst: SB
Aroclor 1016	ND	0.0484	0.00780		mg/Kg-dry	1	10/20/21 10:39:52
Aroclor 1221	ND	0.0484	0.00780		mg/Kg-dry	1	10/20/21 10:39:52
Aroclor 1232	ND	0.0484	0.00780		mg/Kg-dry	1	10/20/21 10:39:52
Aroclor 1242	ND	0.0484	0.00780		mg/Kg-dry	1	10/20/21 10:39:52
Aroclor 1248	ND	0.0484	0.00963		mg/Kg-dry	1	10/20/21 10:39:52
Aroclor 1254	ND	0.0484	0.00963		mg/Kg-dry	1	10/20/21 10:39:52
Aroclor 1260	ND	0.0484	0.00963		mg/Kg-dry	1	10/20/21 10:39:52
Aroclor 1262	ND	0.0484	0.00963		mg/Kg-dry	1	10/20/21 10:39:52
Aroclor 1268	ND	0.0484	0.00963		mg/Kg-dry	1	10/20/21 10:39:52
Total PCBs	ND	0.0484	0.00963		mg/Kg-dry	1	10/20/21 10:39:52
Surr: Decachlorobiphenyl	54.7	20.6 - 142			%Rec	1	10/20/21 10:39:52
Surr: Tetrachloro-m-xylene	51.8	22 - 157			%Rec	1	10/20/21 10:39:52
Gasoline by NWTPH-Gx				Batch ID: 34092			Analyst: CR
Gasoline	ND	5.39	2.15		mg/Kg-dry	1	10/20/21 0:43:54
Surr: Toluene-d8	101	65 - 135			%Rec	1	10/20/21 0:43:54
Surr: 4-Bromofluorobenzene	92.6	65 - 135			%Rec	1	10/20/21 0:43:54
Total Metals by EPA Method 6020B				Batch ID: 34102			Analyst: EH
Copper	19.9	1.01	0.189		mg/Kg-dry	1	10/21/21 13:38:00
Sample Moisture (Percent Moisture)				Batch ID: R70630			Analyst: MCH
Percent Moisture	23.6	0.500	0.100		wt%	1	10/19/21 12:29:03

Analytical Report

Work Order: **2110251**
Date Reported: **11/28/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110251-003
Client Sample ID: A3-SIDE32:5

Collection Date: 10/18/2021 2:05:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34090			Analyst: SB
Aroclor 1016	ND	0.0435	0.00701		mg/Kg-dry	1	10/20/21 10:49:36
Aroclor 1221	ND	0.0435	0.00701		mg/Kg-dry	1	10/20/21 10:49:36
Aroclor 1232	ND	0.0435	0.00701		mg/Kg-dry	1	10/20/21 10:49:36
Aroclor 1242	ND	0.0435	0.00701		mg/Kg-dry	1	10/20/21 10:49:36
Aroclor 1248	ND	0.0435	0.00865		mg/Kg-dry	1	10/20/21 10:49:36
Aroclor 1254	ND	0.0435	0.00865		mg/Kg-dry	1	10/20/21 10:49:36
Aroclor 1260	ND	0.0435	0.00865		mg/Kg-dry	1	10/20/21 10:49:36
Aroclor 1262	ND	0.0435	0.00865		mg/Kg-dry	1	10/20/21 10:49:36
Aroclor 1268	ND	0.0435	0.00865		mg/Kg-dry	1	10/20/21 10:49:36
Total PCBs	ND	0.0435	0.00865		mg/Kg-dry	1	10/20/21 10:49:36
Surr: Decachlorobiphenyl	108	20.6 - 142			%Rec	1	10/20/21 10:49:36
Surr: Tetrachloro-m-xylene	102	22 - 157			%Rec	1	10/20/21 10:49:36
Gasoline by NWTPH-Gx				Batch ID: 34092			Analyst: CR
Gasoline	ND	5.65	2.26		mg/Kg-dry	1	10/20/21 1:14:03
Surr: Toluene-d8	102	65 - 135			%Rec	1	10/20/21 1:14:03
Surr: 4-Bromofluorobenzene	93.2	65 - 135			%Rec	1	10/20/21 1:14:03
Total Metals by EPA Method 6020B				Batch ID: 34102			Analyst: EH
Copper	4.13	0.875	0.164		mg/Kg-dry	1	10/21/21 13:51:56
Sample Moisture (Percent Moisture)				Batch ID: R70630			Analyst: MCH
Percent Moisture	13.5	0.500	0.100		wt%	1	10/19/21 12:29:03

Analytical Report

Work Order: **2110251**
Date Reported: **11/28/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110251-004
Client Sample ID: **TRIP-20211018**

Collection Date:
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 34092			Analyst: CR
Gasoline	ND	5.00	2.00		mg/Kg	1	10/19/21 23:43:40
Surr: Toluene-d8	101	65 - 135			%Rec	1	10/19/21 23:43:40
Surr: 4-Bromofluorobenzene	93.0	65 - 135			%Rec	1	10/19/21 23:43:40

Analytical Report

Work Order: **2110251**
Date Reported: **11/28/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110251-005
Client Sample ID: A3-BOT33:4

Collection Date: 10/18/2021 2:10:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34090			Analyst: SB
Aroclor 1016	ND	0.0428	0.00690		mg/Kg-dry	1	10/20/21 10:59:21
Aroclor 1221	ND	0.0428	0.00690		mg/Kg-dry	1	10/20/21 10:59:21
Aroclor 1232	ND	0.0428	0.00690		mg/Kg-dry	1	10/20/21 10:59:21
Aroclor 1242	ND	0.0428	0.00690		mg/Kg-dry	1	10/20/21 10:59:21
Aroclor 1248	ND	0.0428	0.00852		mg/Kg-dry	1	10/20/21 10:59:21
Aroclor 1254	0.323	0.0428	0.00852		mg/Kg-dry	1	10/20/21 10:59:21
Aroclor 1260	ND	0.0428	0.00852		mg/Kg-dry	1	10/20/21 10:59:21
Aroclor 1262	ND	0.0428	0.00852		mg/Kg-dry	1	10/20/21 10:59:21
Aroclor 1268	ND	0.0428	0.00852		mg/Kg-dry	1	10/20/21 10:59:21
Total PCBs	0.323	0.0428	0.00852		mg/Kg-dry	1	10/20/21 10:59:21
Surr: Decachlorobiphenyl	88.6	20.6 - 142			%Rec	1	10/20/21 10:59:21
Surr: Tetrachloro-m-xylene	101	22 - 157			%Rec	1	10/20/21 10:59:21
Gasoline by NWTPH-Gx				Batch ID: 34092			Analyst: CR
Gasoline	ND	5.52	2.21		mg/Kg-dry	1	10/20/21 1:44:10
Surr: Toluene-d8	100	65 - 135			%Rec	1	10/20/21 1:44:10
Surr: 4-Bromofluorobenzene	92.5	65 - 135			%Rec	1	10/20/21 1:44:10
Total Metals by EPA Method 6020B				Batch ID: 34102			Analyst: EH
Copper	132	0.893	0.167		mg/Kg-dry	1	10/21/21 13:54:15
Sample Moisture (Percent Moisture)				Batch ID: R70630			Analyst: MCH
Percent Moisture	11.8	0.500	0.100		wt%	1	10/19/21 12:29:03

Analytical Report

Work Order: **2110251**
Date Reported: **11/28/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110251-006
Client Sample ID: **A3-BOT34:4.5**

Collection Date: 10/18/2021 2:15:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34090			Analyst: SB
Aroclor 1016	ND	0.0391	0.00630		mg/Kg-dry	1	10/20/21 11:09:06
Aroclor 1221	ND	0.0391	0.00630		mg/Kg-dry	1	10/20/21 11:09:06
Aroclor 1232	ND	0.0391	0.00630		mg/Kg-dry	1	10/20/21 11:09:06
Aroclor 1242	ND	0.0391	0.00630		mg/Kg-dry	1	10/20/21 11:09:06
Aroclor 1248	ND	0.0391	0.00778		mg/Kg-dry	1	10/20/21 11:09:06
Aroclor 1254	0.191	0.0391	0.00778		mg/Kg-dry	1	10/20/21 11:09:06
Aroclor 1260	ND	0.0391	0.00778		mg/Kg-dry	1	10/20/21 11:09:06
Aroclor 1262	ND	0.0391	0.00778		mg/Kg-dry	1	10/20/21 11:09:06
Aroclor 1268	ND	0.0391	0.00778		mg/Kg-dry	1	10/20/21 11:09:06
Total PCBs	0.191	0.0391	0.00778		mg/Kg-dry	1	10/20/21 11:09:06
Surr: Decachlorobiphenyl	71.8	20.6 - 142			%Rec	1	10/20/21 11:09:06
Surr: Tetrachloro-m-xylene	84.3	22 - 157			%Rec	1	10/20/21 11:09:06
Gasoline by NWTPH-Gx				Batch ID: 34092			Analyst: CR
Gasoline	ND	4.85	1.94		mg/Kg-dry	1	10/20/21 4:14:45
Surr: Toluene-d8	99.9	65 - 135			%Rec	1	10/20/21 4:14:45
Surr: 4-Bromofluorobenzene	95.6	65 - 135			%Rec	1	10/20/21 4:14:45
Total Metals by EPA Method 6020B				Batch ID: 34102			Analyst: EH
Copper	453	9.05	1.69	D	mg/Kg-dry	10	10/21/21 14:01:27
Sample Moisture (Percent Moisture)				Batch ID: R70630			Analyst: MCH
Percent Moisture	14.3	0.500	0.100		wt%	1	10/19/21 12:29:03

Analytical Report

Work Order: **2110251**
Date Reported: **11/28/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110251-007
Client Sample ID: A3-BOT35:5

Collection Date: 10/18/2021 2:30:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34090			Analyst: SB
Aroclor 1016	ND	0.0396	0.00639		mg/Kg-dry	1	10/20/21 11:18:50
Aroclor 1221	ND	0.0396	0.00639		mg/Kg-dry	1	10/20/21 11:18:50
Aroclor 1232	ND	0.0396	0.00639		mg/Kg-dry	1	10/20/21 11:18:50
Aroclor 1242	ND	0.0396	0.00639		mg/Kg-dry	1	10/20/21 11:18:50
Aroclor 1248	ND	0.0396	0.00788		mg/Kg-dry	1	10/20/21 11:18:50
Aroclor 1254	0.0562	0.0396	0.00788		mg/Kg-dry	1	10/20/21 11:18:50
Aroclor 1260	ND	0.0396	0.00788		mg/Kg-dry	1	10/20/21 11:18:50
Aroclor 1262	ND	0.0396	0.00788		mg/Kg-dry	1	10/20/21 11:18:50
Aroclor 1268	ND	0.0396	0.00788		mg/Kg-dry	1	10/20/21 11:18:50
Total PCBs	0.0562	0.0396	0.00788		mg/Kg-dry	1	10/20/21 11:18:50
Surr: Decachlorobiphenyl	89.9	20.6 - 142			%Rec	1	10/20/21 11:18:50
Surr: Tetrachloro-m-xylene	109	22 - 157			%Rec	1	10/20/21 11:18:50
Gasoline by NWTPH-Gx				Batch ID: 34092			Analyst: CR
Gasoline	37.2	6.00	2.40		mg/Kg-dry	1	10/20/21 3:44:39
Surr: Toluene-d8	101	65 - 135			%Rec	1	10/20/21 3:44:39
Surr: 4-Bromofluorobenzene	108	65 - 135			%Rec	1	10/20/21 3:44:39
Total Metals by EPA Method 6020B				Batch ID: 34102			Analyst: EH
Copper	102	8.66	1.62	D	mg/Kg-dry	10	10/21/21 14:03:46
Sample Moisture (Percent Moisture)				Batch ID: R70630			Analyst: MCH
Percent Moisture	13.2	0.500	0.100		wt%	1	10/19/21 12:29:03

Analytical Report

Work Order: **2110251**
Date Reported: **11/28/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110251-008
Client Sample ID: A3-BOT36:4

Collection Date: 10/18/2021 2:40:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34090			Analyst: SB
Aroclor 1016	ND	0.0394	0.00634		mg/Kg-dry	1	10/20/21 14:56:25
Aroclor 1221	ND	0.0394	0.00634		mg/Kg-dry	1	10/20/21 14:56:25
Aroclor 1232	ND	0.0394	0.00634		mg/Kg-dry	1	10/20/21 14:56:25
Aroclor 1242	ND	0.0394	0.00634		mg/Kg-dry	1	10/20/21 14:56:25
Aroclor 1248	ND	0.0394	0.00783		mg/Kg-dry	1	10/20/21 14:56:25
Aroclor 1254	0.943	0.0394	0.00783		mg/Kg-dry	1	10/20/21 14:56:25
Aroclor 1260	ND	0.0394	0.00783		mg/Kg-dry	1	10/20/21 14:56:25
Aroclor 1262	ND	0.0394	0.00783		mg/Kg-dry	1	10/20/21 14:56:25
Aroclor 1268	ND	0.0394	0.00783		mg/Kg-dry	1	10/20/21 14:56:25
Total PCBs	0.943	0.0394	0.00783		mg/Kg-dry	1	10/20/21 14:56:25
Surr: Decachlorobiphenyl	88.6	20.6 - 142			%Rec	1	10/20/21 14:56:25
Surr: Tetrachloro-m-xylene	87.8	22 - 157			%Rec	1	10/20/21 14:56:25
Gasoline by NWTPH-Gx				Batch ID: 34092			Analyst: CR
Gasoline	7.59	4.42	1.76		mg/Kg-dry	1	10/20/21 4:44:51
Surr: Toluene-d8	102	65 - 135			%Rec	1	10/20/21 4:44:51
Surr: 4-Bromofluorobenzene	107	65 - 135			%Rec	1	10/20/21 4:44:51
Total Metals by EPA Method 6020B				Batch ID: 34102			Analyst: EH
Copper	3,200	91.7	17.2	D	mg/Kg-dry	100	10/22/21 10:02:56
Sample Moisture (Percent Moisture)				Batch ID: R70630			Analyst: MCH
Percent Moisture	12.0	0.500	0.100		wt%	1	10/19/21 12:29:03

Analytical Report

Work Order: **2110251**
Date Reported: **11/28/2021**

Client: Shannon & Wilson
Collection Date: 10/18/2021 2:45:00 PM
Project: 8801- Excavations
Lab ID: 2110251-009
Matrix: Soil
Client Sample ID: A3-SIDE37:2

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34090			Analyst: SB
Aroclor 1016	ND	0.0417	0.00671		mg/Kg-dry	1	10/20/21 11:28:35
Aroclor 1221	ND	0.0417	0.00671		mg/Kg-dry	1	10/20/21 11:28:35
Aroclor 1232	ND	0.0417	0.00671		mg/Kg-dry	1	10/20/21 11:28:35
Aroclor 1242	ND	0.0417	0.00671		mg/Kg-dry	1	10/20/21 11:28:35
Aroclor 1248	ND	0.0417	0.00828		mg/Kg-dry	1	10/20/21 11:28:35
Aroclor 1254	0.00833	0.0417	0.00828	J	mg/Kg-dry	1	10/20/21 11:28:35
Aroclor 1260	ND	0.0417	0.00828		mg/Kg-dry	1	10/20/21 11:28:35
Aroclor 1262	ND	0.0417	0.00828		mg/Kg-dry	1	10/20/21 11:28:35
Aroclor 1268	ND	0.0417	0.00828		mg/Kg-dry	1	10/20/21 11:28:35
Total PCBs	0.00833	0.0417	0.00828	J	mg/Kg-dry	1	10/20/21 11:28:35
Surr: Decachlorobiphenyl	68.1	20.6 - 142			%Rec	1	10/20/21 11:28:35
Surr: Tetrachloro-m-xylene	89.2	22 - 157			%Rec	1	10/20/21 11:28:35
Gasoline by NWTPH-Gx				Batch ID: 34092			Analyst: CR
Gasoline	ND	6.68	2.67		mg/Kg-dry	1	10/20/21 2:14:17
Surr: Toluene-d8	101	65 - 135			%Rec	1	10/20/21 2:14:17
Surr: 4-Bromofluorobenzene	93.9	65 - 135			%Rec	1	10/20/21 2:14:17
Total Metals by EPA Method 6020B				Batch ID: 34102			Analyst: EH
Copper	94.9	9.30	1.74	D	mg/Kg-dry	10	10/21/21 14:08:25
Sample Moisture (Percent Moisture)				Batch ID: R70630			Analyst: MCH
Percent Moisture	13.9	0.500	0.100		wt%	1	10/19/21 12:29:03

Analytical Report

Work Order: **2110251**
Date Reported: **11/28/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110251-010
Client Sample ID: A4-SIDE21:2

Collection Date: 10/18/2021 4:00:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34090			Analyst: SB
Aroclor 1016	ND	0.0422	0.00680		mg/Kg-dry	1	10/20/21 11:38:19
Aroclor 1221	ND	0.0422	0.00680		mg/Kg-dry	1	10/20/21 11:38:19
Aroclor 1232	ND	0.0422	0.00680		mg/Kg-dry	1	10/20/21 11:38:19
Aroclor 1242	ND	0.0422	0.00680		mg/Kg-dry	1	10/20/21 11:38:19
Aroclor 1248	ND	0.0422	0.00839		mg/Kg-dry	1	10/20/21 11:38:19
Aroclor 1254	0.329	0.0422	0.00839		mg/Kg-dry	1	10/20/21 11:38:19
Aroclor 1260	ND	0.0422	0.00839		mg/Kg-dry	1	10/20/21 11:38:19
Aroclor 1262	ND	0.0422	0.00839		mg/Kg-dry	1	10/20/21 11:38:19
Aroclor 1268	ND	0.0422	0.00839		mg/Kg-dry	1	10/20/21 11:38:19
Total PCBs	0.329	0.0422	0.00839		mg/Kg-dry	1	10/20/21 11:38:19
Surr: Decachlorobiphenyl	67.7	20.6 - 142			%Rec	1	10/20/21 11:38:19
Surr: Tetrachloro-m-xylene	76.2	22 - 157			%Rec	1	10/20/21 11:38:19
Total Metals by EPA Method 6020B				Batch ID: 34102			Analyst: EH
Copper	1,630	9.62	1.80	D	mg/Kg-dry	10	10/21/21 14:10:44
Sample Moisture (Percent Moisture)				Batch ID: R70630			Analyst: MCH
Percent Moisture	16.1	0.500	0.100		wt%	1	10/19/21 12:29:03

Revision v1

Analytical Report

Work Order: **2110251**
Date Reported: **11/28/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110251-011
Client Sample ID: **A4-SIDE21:6**

Collection Date: 10/18/2021 4:05:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34090			Analyst: SB
Aroclor 1016	ND	0.0397	0.00640		mg/Kg-dry	1	10/20/21 11:48:01
Aroclor 1221	ND	0.0397	0.00640		mg/Kg-dry	1	10/20/21 11:48:01
Aroclor 1232	ND	0.0397	0.00640		mg/Kg-dry	1	10/20/21 11:48:01
Aroclor 1242	ND	0.0397	0.00640		mg/Kg-dry	1	10/20/21 11:48:01
Aroclor 1248	ND	0.0397	0.00790		mg/Kg-dry	1	10/20/21 11:48:01
Aroclor 1254	0.619	0.0397	0.00790		mg/Kg-dry	1	10/20/21 11:48:01
Aroclor 1260	ND	0.0397	0.00790		mg/Kg-dry	1	10/20/21 11:48:01
Aroclor 1262	ND	0.0397	0.00790		mg/Kg-dry	1	10/20/21 11:48:01
Aroclor 1268	ND	0.0397	0.00790		mg/Kg-dry	1	10/20/21 11:48:01
Total PCBs	0.619	0.0397	0.00790		mg/Kg-dry	1	10/20/21 11:48:01
Surr: Decachlorobiphenyl	70.9	20.6 - 142			%Rec	1	10/20/21 11:48:01
Surr: Tetrachloro-m-xylene	73.2	22 - 157			%Rec	1	10/20/21 11:48:01
Total Metals by EPA Method 6020B				Batch ID: 34102			Analyst: EH
Copper	1,910	9.33	1.75	D	mg/Kg-dry	10	10/21/21 14:13:04
Sample Moisture (Percent Moisture)				Batch ID: R70630			Analyst: MCH
Percent Moisture	14.3	0.500	0.100		wt%	1	10/19/21 12:29:03

Analytical Report

Work Order: **2110251**
Date Reported: **11/28/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110251-012
Client Sample ID: **A4-SIDE22:2**

Collection Date: 10/18/2021 4:10:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34090			Analyst: SB
Aroclor 1016	ND	0.0419	0.00675		mg/Kg-dry	1	10/20/21 11:57:43
Aroclor 1221	ND	0.0419	0.00675		mg/Kg-dry	1	10/20/21 11:57:43
Aroclor 1232	ND	0.0419	0.00675		mg/Kg-dry	1	10/20/21 11:57:43
Aroclor 1242	ND	0.0419	0.00675		mg/Kg-dry	1	10/20/21 11:57:43
Aroclor 1248	ND	0.0419	0.00833		mg/Kg-dry	1	10/20/21 11:57:43
Aroclor 1254	0.0332	0.0419	0.00833	J	mg/Kg-dry	1	10/20/21 11:57:43
Aroclor 1260	ND	0.0419	0.00833		mg/Kg-dry	1	10/20/21 11:57:43
Aroclor 1262	ND	0.0419	0.00833		mg/Kg-dry	1	10/20/21 11:57:43
Aroclor 1268	ND	0.0419	0.00833		mg/Kg-dry	1	10/20/21 11:57:43
Total PCBs	0.0332	0.0419	0.00833	J	mg/Kg-dry	1	10/20/21 11:57:43
Surr: Decachlorobiphenyl	70.7	20.6 - 142			%Rec	1	10/20/21 11:57:43
Surr: Tetrachloro-m-xylene	95.6	22 - 157			%Rec	1	10/20/21 11:57:43
Total Metals by EPA Method 6020B				Batch ID: 34102			Analyst: EH
Copper	49.8	9.55	1.79	D	mg/Kg-dry	10	10/21/21 14:15:23
Sample Moisture (Percent Moisture)				Batch ID: R70630			Analyst: MCH
Percent Moisture	18.9	0.500	0.100		wt%	1	10/19/21 12:29:03

Revision v1

Analytical Report

Work Order: **2110251**
Date Reported: **11/28/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110251-013
Client Sample ID: **A4-SIDE22:6**

Collection Date: 10/18/2021 4:15:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34090			Analyst: SB
Aroclor 1016	ND	0.0427	0.00687		mg/Kg-dry	1	10/20/21 12:07:24
Aroclor 1221	ND	0.0427	0.00687		mg/Kg-dry	1	10/20/21 12:07:24
Aroclor 1232	ND	0.0427	0.00687		mg/Kg-dry	1	10/20/21 12:07:24
Aroclor 1242	ND	0.0427	0.00687		mg/Kg-dry	1	10/20/21 12:07:24
Aroclor 1248	ND	0.0427	0.00848		mg/Kg-dry	1	10/20/21 12:07:24
Aroclor 1254	0.617	0.0427	0.00848		mg/Kg-dry	1	10/20/21 12:07:24
Aroclor 1260	ND	0.0427	0.00848		mg/Kg-dry	1	10/20/21 12:07:24
Aroclor 1262	ND	0.0427	0.00848		mg/Kg-dry	1	10/20/21 12:07:24
Aroclor 1268	ND	0.0427	0.00848		mg/Kg-dry	1	10/20/21 12:07:24
Total PCBs	0.617	0.0427	0.00848		mg/Kg-dry	1	10/20/21 12:07:24
Surr: Decachlorobiphenyl	84.8	20.6 - 142			%Rec	1	10/20/21 12:07:24
Surr: Tetrachloro-m-xylene	95.8	22 - 157			%Rec	1	10/20/21 12:07:24
Total Metals by EPA Method 6020B				Batch ID: 34102			Analyst: EH
Copper	821	8.64	1.62	D	mg/Kg-dry	10	10/21/21 14:17:43
Sample Moisture (Percent Moisture)				Batch ID: R70630			Analyst: MCH
Percent Moisture	12.3	0.500	0.100		wt%	1	10/19/21 12:29:03

Revision v1

Analytical Report

Work Order: **2110251**
Date Reported: **11/28/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110251-014
Client Sample ID: A4-SIDE23:2

Collection Date: 10/18/2021 4:20:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34090			Analyst: SB
Aroclor 1016	ND	0.0370	0.00597		mg/Kg-dry	1	10/20/21 12:17:04
Aroclor 1221	ND	0.0370	0.00597		mg/Kg-dry	1	10/20/21 12:17:04
Aroclor 1232	ND	0.0370	0.00597		mg/Kg-dry	1	10/20/21 12:17:04
Aroclor 1242	ND	0.0370	0.00597		mg/Kg-dry	1	10/20/21 12:17:04
Aroclor 1248	ND	0.0370	0.00736		mg/Kg-dry	1	10/20/21 12:17:04
Aroclor 1254	0.0548	0.0370	0.00736		mg/Kg-dry	1	10/20/21 12:17:04
Aroclor 1260	ND	0.0370	0.00736		mg/Kg-dry	1	10/20/21 12:17:04
Aroclor 1262	ND	0.0370	0.00736		mg/Kg-dry	1	10/20/21 12:17:04
Aroclor 1268	ND	0.0370	0.00736		mg/Kg-dry	1	10/20/21 12:17:04
Total PCBs	0.0548	0.0370	0.00736		mg/Kg-dry	1	10/20/21 12:17:04
Surr: Decachlorobiphenyl	76.8	20.6 - 142			%Rec	1	10/20/21 12:17:04
Surr: Tetrachloro-m-xylene	101	22 - 157			%Rec	1	10/20/21 12:17:04
Total Metals by EPA Method 6020B				Batch ID: 34102			Analyst: EH
Copper	16.1	8.72	1.63	D	mg/Kg-dry	10	10/21/21 14:20:02
Sample Moisture (Percent Moisture)				Batch ID: R70630			Analyst: MCH
Percent Moisture	9.72	0.500	0.100		wt%	1	10/19/21 12:29:03

Client: Shannon & Wilson
Collection Date: 10/18/2021 4:25:00 PM
Project: 8801- Excavations
Lab ID: 2110251-015
Matrix: Soil
Client Sample ID: A4-SIDE23:6

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34090			Analyst: SB
Aroclor 1016	ND	0.0386	0.00622		mg/Kg-dry	1	10/20/21 12:26:49
Aroclor 1221	ND	0.0386	0.00622		mg/Kg-dry	1	10/20/21 12:26:49
Aroclor 1232	ND	0.0386	0.00622		mg/Kg-dry	1	10/20/21 12:26:49
Aroclor 1242	ND	0.0386	0.00622		mg/Kg-dry	1	10/20/21 12:26:49
Aroclor 1248	ND	0.0386	0.00767		mg/Kg-dry	1	10/20/21 12:26:49
Aroclor 1254	0.555	0.0386	0.00767		mg/Kg-dry	1	10/20/21 12:26:49
Aroclor 1260	ND	0.0386	0.00767		mg/Kg-dry	1	10/20/21 12:26:49
Aroclor 1262	ND	0.0386	0.00767		mg/Kg-dry	1	10/20/21 12:26:49
Aroclor 1268	ND	0.0386	0.00767		mg/Kg-dry	1	10/20/21 12:26:49
Total PCBs	0.555	0.0386	0.00767		mg/Kg-dry	1	10/20/21 12:26:49
Surr: Decachlorobiphenyl	87.8	20.6 - 142			%Rec	1	10/20/21 12:26:49
Surr: Tetrachloro-m-xylene	91.3	22 - 157			%Rec	1	10/20/21 12:26:49
Total Metals by EPA Method 6020B				Batch ID: 34102			Analyst: EH
Copper	1,240	8.44	1.58	D	mg/Kg-dry	10	10/21/21 14:22:22
Sample Moisture (Percent Moisture)				Batch ID: R70630			Analyst: MCH
Percent Moisture	12.2	0.500	0.100		wt%	1	10/19/21 12:29:03

Analytical Report

Work Order: **2110251**
Date Reported: **11/28/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110251-016
Client Sample ID: **A4-SIDE24:2**

Collection Date: 10/18/2021 4:30:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34090			Analyst: SB
Aroclor 1016	ND	0.0392	0.00631		mg/Kg-dry	1	10/20/21 12:36:32
Aroclor 1221	ND	0.0392	0.00631		mg/Kg-dry	1	10/20/21 12:36:32
Aroclor 1232	ND	0.0392	0.00631		mg/Kg-dry	1	10/20/21 12:36:32
Aroclor 1242	ND	0.0392	0.00631		mg/Kg-dry	1	10/20/21 12:36:32
Aroclor 1248	ND	0.0392	0.00779		mg/Kg-dry	1	10/20/21 12:36:32
Aroclor 1254	0.0428	0.0392	0.00779		mg/Kg-dry	1	10/20/21 12:36:32
Aroclor 1260	ND	0.0392	0.00779		mg/Kg-dry	1	10/20/21 12:36:32
Aroclor 1262	ND	0.0392	0.00779		mg/Kg-dry	1	10/20/21 12:36:32
Aroclor 1268	ND	0.0392	0.00779		mg/Kg-dry	1	10/20/21 12:36:32
Total PCBs	0.0428	0.0392	0.00779		mg/Kg-dry	1	10/20/21 12:36:32
Surr: Decachlorobiphenyl	83.2	20.6 - 142			%Rec	1	10/20/21 12:36:32
Surr: Tetrachloro-m-xylene	105	22 - 157			%Rec	1	10/20/21 12:36:32
Total Metals by EPA Method 6020B				Batch ID: 34102			Analyst: EH
Copper	73.9	8.91	1.67	D	mg/Kg-dry	10	10/21/21 14:30:16
Sample Moisture (Percent Moisture)				Batch ID: R70630			Analyst: MCH
Percent Moisture	12.3	0.500	0.100		wt%	1	10/19/21 12:29:03

Analytical Report

Work Order: **2110251**
Date Reported: **11/28/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110251-017
Client Sample ID: A4-SIDE24:6

Collection Date: 10/18/2021 4:35:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34090			Analyst: SB
Aroclor 1016	ND	0.0444	0.00716		mg/Kg-dry	1	10/20/21 12:46:18
Aroclor 1221	ND	0.0444	0.00716		mg/Kg-dry	1	10/20/21 12:46:18
Aroclor 1232	ND	0.0444	0.00716		mg/Kg-dry	1	10/20/21 12:46:18
Aroclor 1242	ND	0.0444	0.00716		mg/Kg-dry	1	10/20/21 12:46:18
Aroclor 1248	ND	0.0444	0.00883		mg/Kg-dry	1	10/20/21 12:46:18
Aroclor 1254	1.12	0.0444	0.00883		mg/Kg-dry	1	10/20/21 12:46:18
Aroclor 1260	ND	0.0444	0.00883		mg/Kg-dry	1	10/20/21 12:46:18
Aroclor 1262	ND	0.0444	0.00883		mg/Kg-dry	1	10/20/21 12:46:18
Aroclor 1268	ND	0.0444	0.00883		mg/Kg-dry	1	10/20/21 12:46:18
Total PCBs	1.12	0.0444	0.00883		mg/Kg-dry	1	10/20/21 12:46:18
Surr: Decachlorobiphenyl	103	20.6 - 142			%Rec	1	10/20/21 12:46:18
Surr: Tetrachloro-m-xylene	107	22 - 157			%Rec	1	10/20/21 12:46:18
Total Metals by EPA Method 6020B				Batch ID: 34102			Analyst: EH
Copper	1,910	9.38	1.76	D	mg/Kg-dry	10	10/21/21 14:32:36
Sample Moisture (Percent Moisture)				Batch ID: R70630			Analyst: MCH
Percent Moisture	14.7	0.500	0.100		wt%	1	10/19/21 12:29:03

Work Order: 2110251
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **ICB-34102**	SampType: **ICB**			Units: **µg/L**		Prep Date: **10/21/2021**			RunNo: **70702**	
Client ID: **ICB**	Batch ID: **34102**					Analysis Date: **10/21/2021**			SeqNo: **1437937**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICV-34102**	SampType: **ICV**			Units: **µg/L**		Prep Date: **10/21/2021**			RunNo: **70702**	
Client ID: **ICV**	Batch ID: **34102**					Analysis Date: **10/21/2021**			SeqNo: **1437940**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	96.7	10.0	100.0	0	96.7	90	110				

Sample ID: **MB-34102**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **10/20/2021**			RunNo: **70702**	
Client ID: **MBLKS**	Batch ID: **34102**					Analysis Date: **10/21/2021**			SeqNo: **1437943**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.752									

Sample ID: **LCS-34102**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **10/20/2021**			RunNo: **70702**	
Client ID: **LCSS**	Batch ID: **34102**					Analysis Date: **10/21/2021**			SeqNo: **1437944**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	38.7	0.781	39.06	0	99.1	80	120				

Sample ID: **2110251-002AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **10/20/2021**			RunNo: **70702**	
Client ID: **A3-BOT31:7**	Batch ID: **34102**					Analysis Date: **10/21/2021**			SeqNo: **1437947**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	66.1	0.992	49.60	19.88	93.2	75	125				

Work Order: 2110251
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **2110251-002AMSD**	SampType: **MSD**			Units: **mg/Kg-dry**		Prep Date: **10/20/2021**			RunNo: **70702**		
Client ID: **A3-BOT31:7**	Batch ID: **34102**					Analysis Date: **10/21/2021**			SeqNo: **1437948**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	68.8	0.992	49.60	19.88	98.7	75	125	66.12	4.02	20	

Sample ID: **CCV-34102A**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/21/2021**			RunNo: **70702**		
Client ID: **CCV**	Batch ID: **34102**					Analysis Date: **10/21/2021**			SeqNo: **1437953**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	90.5	10.0	100.0	0	90.5	90	110				

Sample ID: **CCB-34102A**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/21/2021**			RunNo: **70702**		
Client ID: **CCB**	Batch ID: **34102**					Analysis Date: **10/21/2021**			SeqNo: **1437954**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-34102B**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/21/2021**			RunNo: **70702**		
Client ID: **CCV**	Batch ID: **34102**					Analysis Date: **10/21/2021**			SeqNo: **1437965**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	93.4	10.0	100.0	0	93.4	90	110				

Sample ID: **CCB-34102B**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/21/2021**			RunNo: **70702**		
Client ID: **CCB**	Batch ID: **34102**					Analysis Date: **10/21/2021**			SeqNo: **1437966**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Work Order: 2110251
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-34102C**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/21/2021**			RunNo: **70702**		
Client ID: **CCV**	Batch ID: **34102**					Analysis Date: **10/21/2021**			SeqNo: **1437971**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	92.7	10.0	100.0	0	92.7	90	110				

Sample ID: **CCB-34102C**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/21/2021**			RunNo: **70702**		
Client ID: **CCB**	Batch ID: **34102**					Analysis Date: **10/21/2021**			SeqNo: **1437972**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICB-34102A**	SampType: **ICB**			Units: **µg/L**		Prep Date: **10/22/2021**			RunNo: **70702**		
Client ID: **ICB**	Batch ID: **34102**					Analysis Date: **10/22/2021**			SeqNo: **1438524**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICV-34102A**	SampType: **ICV**			Units: **µg/L**		Prep Date: **10/22/2021**			RunNo: **70702**		
Client ID: **ICV**	Batch ID: **34102**					Analysis Date: **10/22/2021**			SeqNo: **1438525**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	95.7	10.0	100.0	0	95.7	90	110				

Sample ID: **CCV-34102D**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/22/2021**			RunNo: **70702**		
Client ID: **CCV**	Batch ID: **34102**					Analysis Date: **10/22/2021**			SeqNo: **1438538**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	92.8	10.0	100.0	0	92.8	90	110				

Work Order: 2110251
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCB-34102D** SampType: **CCB** Units: **µg/L** Prep Date: **10/22/2021** RunNo: **70702**
Client ID: **CCB** Batch ID: **34102** Analysis Date: **10/22/2021** SeqNo: **1438539**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Work Order: 2110251
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1660 ICB**	SampType: **ICB**			Units: **mg/Kg**		Prep Date: **9/30/2021**		RunNo: **70254**	
Client ID: **ICB**	Batch ID: **34090**					Analysis Date: **9/30/2021**		SeqNo: **1425542**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1260	ND	0.0500									
Surr: Decachlorobiphenyl	216		200.0		108	50.2	159				
Surr: Tetrachloro-m-xylene	188		200.0		94.0	60.3	134				

Sample ID: **1660 ICV**	SampType: **ICV**			Units: **mg/Kg**		Prep Date: **9/30/2021**		RunNo: **70254**	
Client ID: **ICV**	Batch ID: **34090**					Analysis Date: **9/30/2021**		SeqNo: **1425544**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.845	0.0500	1.000	0	84.5	80	120				
Aroclor 1260	0.810	0.0500	1.000	0	81.0	80	120				
Surr: Decachlorobiphenyl	162		200.0		81.0	30.2	155				
Surr: Tetrachloro-m-xylene	160		200.0		79.9	58.8	143				

Sample ID: **1254 ICB**	SampType: **ICB**			Units: **mg/Kg**		Prep Date: **9/30/2021**		RunNo: **70254**	
Client ID: **ICB**	Batch ID: **34090**					Analysis Date: **9/30/2021**		SeqNo: **1425552**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	ND	0.0500									
Surr: Decachlorobiphenyl	219		200.0		110	50.2	159				
Surr: Tetrachloro-m-xylene	214		200.0		107	60.3	134				

Sample ID: **1254 ICV**	SampType: **ICV**			Units: **mg/Kg**		Prep Date: **9/30/2021**		RunNo: **70254**	
Client ID: **ICV**	Batch ID: **34090**					Analysis Date: **9/30/2021**		SeqNo: **1425553**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.08	0.0500	1.000	0	108	80	120				
Surr: Decachlorobiphenyl	204		200.0		102	30.2	155				
Surr: Tetrachloro-m-xylene	203		200.0		101	58.8	143				

Work Order: 2110251
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1254 ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICV**	Batch ID: **34090**		Analysis Date: **9/30/2021**	SeqNo: **1425553**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **1660-CCV-34090A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/20/2021**	RunNo: **70698**
Client ID: **CCV**	Batch ID: **34090**		Analysis Date: **10/20/2021**	SeqNo: **1437851**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.05	0.0500	1.000	0	105	80	120				
Aroclor 1260	1.01	0.0500	1.000	0	101	80	120				
Surr: Decachlorobiphenyl	230		200.0		115	30.2	155				
Surr: Tetrachloro-m-xylene	209		200.0		105	58.8	143				

Sample ID: **1254-CCV-34090A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/20/2021**	RunNo: **70698**
Client ID: **CCV**	Batch ID: **34090**		Analysis Date: **10/20/2021**	SeqNo: **1437852**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.16	0.0500	1.000	0	116	80	120				
Surr: Decachlorobiphenyl	247		200.0		124	30.2	155				
Surr: Tetrachloro-m-xylene	231		200.0		115	58.8	143				

Sample ID: **MB-34090**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **10/19/2021**	RunNo: **70698**
Client ID: **MBLKS**	Batch ID: **34090**		Analysis Date: **10/20/2021**	SeqNo: **1437853**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1221	ND	0.0500									
Aroclor 1232	ND	0.0500									
Aroclor 1242	ND	0.0500									
Aroclor 1248	ND	0.0500									
Aroclor 1254	ND	0.0500									
Aroclor 1260	ND	0.0500									

Work Order: 2110251
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **MB-34090**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **10/19/2021**		RunNo: **70698**			
Client ID: **MBLKS**	Batch ID: **34090**					Analysis Date: **10/20/2021**		SeqNo: **1437853**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1262	ND	0.0500									
Aroclor 1268	ND	0.0500									
Total PCBs	ND	0.0500									
Surr: Decachlorobiphenyl	256		200.0		128	20.6	142				
Surr: Tetrachloro-m-xylene	223		200.0		111	22	157				

Sample ID: **LCS1-34090**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **10/19/2021**		RunNo: **70698**			
Client ID: **LCSS**	Batch ID: **34090**					Analysis Date: **10/20/2021**		SeqNo: **1437854**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.972	0.0500	1.000	0	97.2	52.2	136				
Aroclor 1260	0.968	0.0500	1.000	0	96.8	50.5	150				
Surr: Decachlorobiphenyl	228		200.0		114	20.6	142				
Surr: Tetrachloro-m-xylene	201		200.0		101	22	157				

Sample ID: **LCS2-34090**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **10/19/2021**		RunNo: **70698**			
Client ID: **LCSS**	Batch ID: **34090**					Analysis Date: **10/20/2021**		SeqNo: **1437855**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.03	0.0500	1.000	0	103	48.1	147				
Surr: Decachlorobiphenyl	238		200.0		119	20.6	142				
Surr: Tetrachloro-m-xylene	225		200.0		113	22	157				

Sample ID: **2110134-006AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **10/19/2021**		RunNo: **70698**			
Client ID: **BATCH**	Batch ID: **34090**					Analysis Date: **10/20/2021**		SeqNo: **1437857**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.923	0.0480	0.9606	0	96.1	38.6	146				
Aroclor 1260	0.899	0.0480	0.9606	0	93.6	24.6	161				

Work Order: 2110251
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **2110134-006AMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **10/19/2021**	RunNo: **70698**
Client ID: **BATCH**	Batch ID: **34090**		Analysis Date: **10/20/2021**	SeqNo: **1437857**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	203		192.1		106	20.6	142				
Surr: Tetrachloro-m-xylene	179		192.1		93.1	22	157				

Sample ID: **2110134-006AMSD**	SampType: **MSD**	Units: **mg/Kg-dry**	Prep Date: **10/19/2021**	RunNo: **70698**
Client ID: **BATCH**	Batch ID: **34090**		Analysis Date: **10/20/2021**	SeqNo: **1437858**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.03	0.0480	0.9598	0	107	38.6	146	0.9234	10.9	30	
Aroclor 1260	1.02	0.0480	0.9598	0	107	24.6	161	0.8995	12.9	30	
Surr: Decachlorobiphenyl	220		192.0		115	20.6	142		0		
Surr: Tetrachloro-m-xylene	199		192.0		104	22	157		0		

Sample ID: **1660-CCV-34090B**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/20/2021**	RunNo: **70698**
Client ID: **CCV**	Batch ID: **34090**		Analysis Date: **10/20/2021**	SeqNo: **1437876**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.18	0.0500	1.000	0	118	80	120				
Aroclor 1260	1.08	0.0500	1.000	0	108	80	120				
Surr: Decachlorobiphenyl	208		200.0		104	30.2	155				
Surr: Tetrachloro-m-xylene	235		200.0		118	58.8	143				

Sample ID: **1660-CCV-34090A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/20/2021**	RunNo: **70699**
Client ID: **CCV**	Batch ID: **34090**		Analysis Date: **10/20/2021**	SeqNo: **1437888**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.18	0.0500	1.000	0	118	80	120				
Aroclor 1260	1.08	0.0500	1.000	0	108	80	120				
Surr: Decachlorobiphenyl	208		200.0		104	30.2	155				
Surr: Tetrachloro-m-xylene	235		200.0		118	58.8	143				

Work Order: 2110251
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1660-CCV-34090A** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/20/2021** RunNo: **70699**
Client ID: **CCV** Batch ID: **34090** Analysis Date: **10/20/2021** SeqNo: **1437888**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **1254-CCV-34090B** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/20/2021** RunNo: **70698**
Client ID: **CCV** Batch ID: **34090** Analysis Date: **10/20/2021** SeqNo: **1437877**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.23	0.0500	1.000	0	123	80	120				S
Surr: Decachlorobiphenyl	218		200.0		109	30.2	155				
Surr: Tetrachloro-m-xylene	241		200.0		121	58.8	143				

NOTES:
S - Outlying QC recoveries were observed. CCV was re-analyzed twice and both subsequent runs had passing recoveries.

Sample ID: **1254-CCV-34090B** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/20/2021** RunNo: **70698**
Client ID: **CCV** Batch ID: **34090** Analysis Date: **10/20/2021** SeqNo: **1437878**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.04	0.0500	1.000	0	104	80	120				
Surr: Decachlorobiphenyl	200		200.0		99.9	30.2	155				
Surr: Tetrachloro-m-xylene	224		200.0		112	58.8	143				

Sample ID: **1254-CCV-34090B** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/20/2021** RunNo: **70698**
Client ID: **CCV** Batch ID: **34090** Analysis Date: **10/20/2021** SeqNo: **1437879**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.20	0.0500	1.000	0	120	80	120				
Surr: Decachlorobiphenyl	216		200.0		108	30.2	155				
Surr: Tetrachloro-m-xylene	233		200.0		116	58.8	143				

Work Order: 2110251
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1254-CCV-34090A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/20/2021**	RunNo: **70699**
Client ID: **CCV**	Batch ID: **34090**		Analysis Date: **10/20/2021**	SeqNo: **1437889**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.19	0.0500	1.000	0	119	80	120				
Surr: Decachlorobiphenyl	216		200.0		108	30.2	155				
Surr: Tetrachloro-m-xylene	233		200.0		116	58.8	143				

Sample ID: **MB-34090**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **10/19/2021**	RunNo: **70699**
Client ID: **MBLKS**	Batch ID: **34090**		Analysis Date: **10/20/2021**	SeqNo: **1437890**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1221	ND	0.0500									
Aroclor 1232	ND	0.0500									
Aroclor 1242	ND	0.0500									
Aroclor 1248	ND	0.0500									
Aroclor 1254	ND	0.0500									
Aroclor 1260	ND	0.0500									
Aroclor 1262	ND	0.0500									
Aroclor 1268	ND	0.0500									
Total PCBs	ND	0.0500									
Surr: Decachlorobiphenyl	185		200.0		92.5	20.6	142				
Surr: Tetrachloro-m-xylene	203		200.0		101	22	157				

NOTES:
Acid and Florisil cleanup performed.

Sample ID: **LCS1-34090**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **10/19/2021**	RunNo: **70699**
Client ID: **LCSS**	Batch ID: **34090**		Analysis Date: **10/20/2021**	SeqNo: **1437891**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.03	0.0500	1.000	0	103	52.2	136				
Aroclor 1260	0.931	0.0500	1.000	0	93.1	50.5	150				
Surr: Decachlorobiphenyl	200		200.0		100	20.6	142				

Work Order: 2110251
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **LCS1-34090** SampType: **LCS** Units: **mg/Kg** Prep Date: **10/19/2021** RunNo: **70699**
Client ID: **LCSS** Batch ID: **34090** Analysis Date: **10/20/2021** SeqNo: **1437891**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	219		200.0		109	22	157				

NOTES:
Acid and Florisil cleanup performed.

Sample ID: **LCS2-34090** SampType: **LCS** Units: **mg/Kg** Prep Date: **10/19/2021** RunNo: **70699**
Client ID: **LCSS** Batch ID: **34090** Analysis Date: **10/20/2021** SeqNo: **1437892**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.978	0.0500	1.000	0	97.8	48.1	147				
Surr: Decachlorobiphenyl	188		200.0		94.2	20.6	142				
Surr: Tetrachloro-m-xylene	225		200.0		113	22	157				

NOTES:
Acid and Florisil cleanup performed.

Sample ID: **2110134-006AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **10/19/2021** RunNo: **70699**
Client ID: **BATCH** Batch ID: **34090** Analysis Date: **10/20/2021** SeqNo: **1437894**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.13	0.0480	0.9606	0	117	38.6	146				
Aroclor 1260	1.05	0.0480	0.9606	0	109	24.6	161				
Surr: Decachlorobiphenyl	221		192.1		115	20.6	142				
Surr: Tetrachloro-m-xylene	222		192.1		115	22	157				

NOTES:
Acid and Florisil cleanup performed.

Sample ID: **2110134-006AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **10/19/2021** RunNo: **70699**
Client ID: **BATCH** Batch ID: **34090** Analysis Date: **10/20/2021** SeqNo: **1437895**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.12	0.0480	0.9598	0	117	38.6	146	1.127	0.672	30	
Aroclor 1260	1.11	0.0480	0.9598	0	116	24.6	161	1.051	5.88	30	
Surr: Decachlorobiphenyl	220		192.0		115	20.6	142		0		

Work Order: 2110251
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **2110134-006AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **10/19/2021** RunNo: **70699**
Client ID: **BATCH** Batch ID: **34090** Analysis Date: **10/20/2021** SeqNo: **1437895**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	215		192.0		112	22	157		0		

NOTES:
Acid and Florisil cleanup performed.

Sample ID: **1660-CCV-34090B** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/20/2021** RunNo: **70699**
Client ID: **CCV** Batch ID: **34090** Analysis Date: **10/20/2021** SeqNo: **1437897**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.896	0.0500	1.000	0	89.6	80	120				
Aroclor 1260	0.815	0.0500	1.000	0	81.5	80	120				
Surr: Decachlorobiphenyl	164		200.0		82.1	30.2	155				
Surr: Tetrachloro-m-xylene	191		200.0		95.5	58.8	143				

Sample ID: **1254-CCV-34090B** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/20/2021** RunNo: **70699**
Client ID: **CCV** Batch ID: **34090** Analysis Date: **10/20/2021** SeqNo: **1437898**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.882	0.0500	1.000	0	88.2	80	120				
Surr: Decachlorobiphenyl	155		200.0		77.3	30.2	155				
Surr: Tetrachloro-m-xylene	195		200.0		97.5	58.8	143				

Work Order: 2110251
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **10/19/2021**	RunNo: **70663**
Client ID: **ICB**	Batch ID: **34092**		Analysis Date: **10/19/2021**	SeqNo: **1436953**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	50.0									
Surr: Toluene-d8	24.4		25.00		97.7	65	135				
Surr: 4-Bromofluorobenzene	23.2		25.00		92.9	65	135				

Sample ID: **ICV 25738**	SampType: **ICV**	Units: **µg/L**	Prep Date: **10/19/2021**	RunNo: **70663**
Client ID: **ICV**	Batch ID: **34092**		Analysis Date: **10/19/2021**	SeqNo: **1436954**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	565	50.0	500.0	0	113	80	120				
Surr: Toluene-d8	25.3		25.00		101	65	135				
Surr: 4-Bromofluorobenzene	25.7		25.00		103	65	135				

Sample ID: **CCV-34092A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/19/2021**	RunNo: **70664**
Client ID: **CCV**	Batch ID: **34092**		Analysis Date: **10/19/2021**	SeqNo: **1436972**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	461	5.00	500.0	0	92.3	80	120				
Surr: Toluene-d8	24.8		25.00		99.3	65	135				
Surr: 4-Bromofluorobenzene	25.7		25.00		103	65	135				

Sample ID: **LCS-34092**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **10/19/2021**	RunNo: **70664**
Client ID: **LCSS**	Batch ID: **34092**		Analysis Date: **10/19/2021**	SeqNo: **1436974**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	27.5	5.00	25.00	0	110	65	135				
Surr: Toluene-d8	1.28		1.250		102	65	135				
Surr: 4-Bromofluorobenzene	1.25		1.250		100	65	135				

Work Order: 2110251
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **MB-34092**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **10/19/2021**	RunNo: **70664**
Client ID: **MBLKS**	Batch ID: **34092**		Analysis Date: **10/19/2021**	SeqNo: **1436975**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.26		1.250		101	65	135				
Surr: 4-Bromofluorobenzene	1.14		1.250		91.1	65	135				

Sample ID: **2110251-009BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **10/19/2021**	RunNo: **70664**
Client ID: **A3-SIDE37:2**	Batch ID: **34092**		Analysis Date: **10/20/2021**	SeqNo: **1436969**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	6.68						0	0	30	
Surr: Toluene-d8	1.68		1.671		101	65	135		0		
Surr: 4-Bromofluorobenzene	1.55		1.671		92.7	65	135		0		

Sample ID: **2110261-001BMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **10/19/2021**	RunNo: **70664**
Client ID: **BATCH**	Batch ID: **34092**		Analysis Date: **10/20/2021**	SeqNo: **1436971**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	43.7	6.27	31.36	9.075	110	65	135				
Surr: Toluene-d8	1.61		1.568		103	65	135				
Surr: 4-Bromofluorobenzene	1.58		1.568		101	65	135				

Sample ID: **CCV-34092B**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/20/2021**	RunNo: **70664**
Client ID: **CCV**	Batch ID: **34092**		Analysis Date: **10/20/2021**	SeqNo: **1436973**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	427	5.00	500.0	0	85.5	80	120				
Surr: Toluene-d8	25.1		25.00		100	65	135				
Surr: 4-Bromofluorobenzene	25.2		25.00		101	65	135				

Sample Log-In Check List

Client Name:	**SW**	Work Order Number:	**2110251**
Logged by:	**Gabrielle Coeuille**	Date Received:	**10/18/2021 6:00:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes	☑	No	☐	Not Present ☐
2.	How was the sample delivered?	Client				

Log In

3.	Coolers are present?	Yes	☑	No	☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes	☑	No	☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes	☐	No	☐	Not Present ☑
6.	Was an attempt made to cool the samples?	Yes	☑	No	☐	NA ☐
7.	Were all items received at a temperature of >2°C to 6°C *	Yes	☑	No	☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes	☑	No	☐	
9.	Sufficient sample volume for indicated test(s)?	Yes	☑	No	☐	
10.	Are samples properly preserved?	Yes	☑	No	☐	
11.	Was preservative added to bottles?	Yes	☐	No	☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes	☐	No	☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes	☑	No	☐	
14.	Does paperwork match bottle labels?	Yes	☑	No	☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes	☑	No	☐	
16.	Is it clear what analyses were requested?	Yes	☑	No	☐	
17.	Were all holding times able to be met?	Yes	☑	No	☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes	☐	No	☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	5.6

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 10/18/21 Page: 1 of: 2

Laboratory Project No (internal): 2110251

Special Remarks: Refer to Project methods.

Project Name: 8801-Excavations

Project No: 103485-009

Collected by: Ryan Peterson

Location: Tukwila, WA

Report To (PM): Ryan Peterson

PM Email: RBP@shanwil.com

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Client: Shannon & Wilson

Address: 400 N. 34th Street, Suite 100

City, State, Zip: Seattle, WA 98103

Telephone:

Fax:

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T)	Dissolved (D)	Anions (IC)***	EDB (8011)	Copper				Comments
1	A3-SIDE30:2	10/18	1400	S	3			X				X						X					
2	A3-BOT31:7		1403	S	3			X				X						X					
3	A3-SIDE32:5		1405	S	3			X				X						X					
4	~~FB-3~~ TMP-20211018		—	—	1			X															
5	A3-BOT33:4		1410	S	3			X				X						X					
6	A3-BOT34:4.5		1415	S	3			X				X						X					
7	A3-BOT35:5		1430	S	3			X				X						X					
8	A3-BOT36:4		1440	S	3			X				X						X					
9	~~A3-BOT37:2~~ A3-SIDE37:2		1445	S	3			X				X						X					
10	A4-SIDE21:2		1600	S	1							X						X					

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☒ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	RYAN PETERSON	10/18/21 1800	x	Alex Trego	10-18-21 18:00
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 10/18/21 Page: 2 of: 2

Laboratory Project No (internal): 2110251

Special Remarks: Refer to project methods.

Project Name: 8801-Excavations

Project No: 103485-008

Client: Shannon & Wilson

Address: 400 N. 34th Street, Suite 100

City, State, Zip: Seattle, WA 98103

Telephone:

Fax:

Collected by: Ryan Peterson

Location: Tukwila, WA

Report To (PM): Ryan Peterson

PM Email: RBP@shanwil.com

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Copper				Comments
1	A4-SIDE21:6	10/18	1605	S	1							X				X					
2	A4-SIDE22:2		1610									X				X					
3	A4-SIDE22:6		1615									X				X					
4	A4-SIDE23:2		1620									X				X					
5	A4-SIDE23:6		1625									X				X					
6	A4-SIDE24:2		1630									X				X					
7	A4-SIDE24:6		1635									X				X					
8																					
9																					
10																					

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☒ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Ryan Peterson	10/18/21 1800	x	Alex Trejo	10-18-21 18:00
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Page 38 of 125

DATA SET for Review -- Deliverable Requirements

Gasoline by NWTPH-Gx

Fremont Analytical Work Order No. 2110251

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Injection Log

Data Directory: D:\GC-27\DATA\101921\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 101904.D	8260B-0206-1.M			
No data found			0.000	N/A
2) 101901.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	49	1.000	19 Oct 2021 11:09 am
3) 101902.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	50	1.000	19 Oct 2021 11:39 am
4) 101903.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	51	1.000	19 Oct 2021 12:10 pm
5) 101905.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	53	1.000	19 Oct 2021 01:08 pm
6) 101906.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	49	1.000	19 Oct 2021 01:38 pm
7) 101907.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	50	1.000	19 Oct 2021 02:08 pm
8) 101908.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	51	1.000	19 Oct 2021 02:38 pm
9) 101909.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	52	1.000	19 Oct 2021 03:09 pm
10) 101910.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	53	1.000	19 Oct 2021 03:39 pm
11) 101911.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	53	1.000	19 Oct 2021 04:11 pm
12) 101912.D	8260B-0206-1.M			
GX CAL1 25972	O-VOC-GX-W	54	1.000	19 Oct 2021 04:41 pm
13) 101913.D	8260B-0206-1.M			
GX CAL2	O-VOC-GX-W	55	1.000	19 Oct 2021 05:11 pm
14) 101914.D	8260B-0206-1.M			
GX CAL3	O-VOC-GX-W	56	1.000	19 Oct 2021 05:41 pm
15) 101915.D	8260B-0206-1.M			
GX CAL4	O-VOC-GX-W	57	1.000	19 Oct 2021 06:12 pm
16) 101916.D	8260B-0206-1.M			
GX CAL5	O-VOC-GX-W	58	1.000	19 Oct 2021 06:42 pm
17) 101917.D	8260B-0206-1.M			
GX CAL6	O-VOC-GX-W	59	1.000	19 Oct 2021 07:12 pm
18) 101918.D	8260B-0206-1.M			
GX CAL7	O-VOC-GX-W	60	1.000	19 Oct 2021 07:42 pm
19) 101919.D	8260B-0206-1.M			
CLEANOUT	O-VOC-GX-W	61	1.000	19 Oct 2021 08:12 pm
20) 101920.D	8260B-0206-1.M			
ICB	O-VOC-GX-W	62	1.000	19 Oct 2021 08:42 pm
21) 101921.D	8260B-0206-1.M			
ICV 25738	O-VOC-GX-W	63	1.000	19 Oct 2021 09:12 pm

22) 101922.D		8260B-0206-1.M				
CCV-34092A GX	O-VOC-GX-S		1	1.000	19 Oct 2021	09:43 pm
23) 101923.D		8260B-0206-1.M				
LCS-34092 GX	O-VOC-GX-S		2	1.000	19 Oct 2021	10:13 pm
24) 101924.D		8260B-0206-1.M				
CLEANOUT	O-VOC-GX-S		3	1.000	19 Oct 2021	10:43 pm
25) 101925.D		8260B-0206-1.M				
MB-34092	O-VOC-GX-S		4	1.000	19 Oct 2021	11:13 pm
26) 101926.D		8260B-0206-1.M				
2110251-004A TB	O-VOC-GX-S		5	1.000	19 Oct 2021	11:43 pm
27) 101927.D		8260B-0206-1.M				
2110251-001B	O-VOC-GX-S		6	1.000	20 Oct 2021	12:13 am
28) 101928.D		8260B-0206-1.M				
2110251-002B	O-VOC-GX-S		7	1.000	20 Oct 2021	12:43 am
29) 101929.D		8260B-0206-1.M				
2110251-003B	O-VOC-GX-S		8	1.000	20 Oct 2021	01:14 am
30) 101930.D		8260B-0206-1.M				
2110251-005B	O-VOC-GX-S		9	1.000	20 Oct 2021	01:44 am
31) 101931.D		8260B-0206-1.M				
2110251-009B	O-VOC-GX-S		10	1.000	20 Oct 2021	02:14 am
32) 101932.D		8260B-0206-1.M				
2110251-009BDUP	O-VOC-GX-S		11	1.000	20 Oct 2021	02:44 am
33) 101933.D		8260B-0206-1.M				
2110261-001B	O-VOC-GX-S		12	1.000	20 Oct 2021	03:14 am
34) 101934.D		8260B-0206-1.M				
2110251-007B	O-VOC-GX-S		13	1.000	20 Oct 2021	03:44 am
35) 101935.D		8260B-0206-1.M				
2110251-006B	O-VOC-GX-S		14	1.000	20 Oct 2021	04:14 am
36) 101936.D		8260B-0206-1.M				
2110251-008B	O-VOC-GX-S		15	1.000	20 Oct 2021	04:44 am
37) 101937.D		8260B-0206-1.M				
2110261-001BMS GX	O-VOC-GX-S		16	1.000	20 Oct 2021	05:14 am
38) 101938.D		8260B-0206-1.M				
CLEANOUT	O-VOC-GX-S		3	1.000	20 Oct 2021	05:45 am
39) 101939.D		8260B-0206-1.M				
CCV-34092B	O-VOC-GX-S		17	1.000	20 Oct 2021	06:15 am

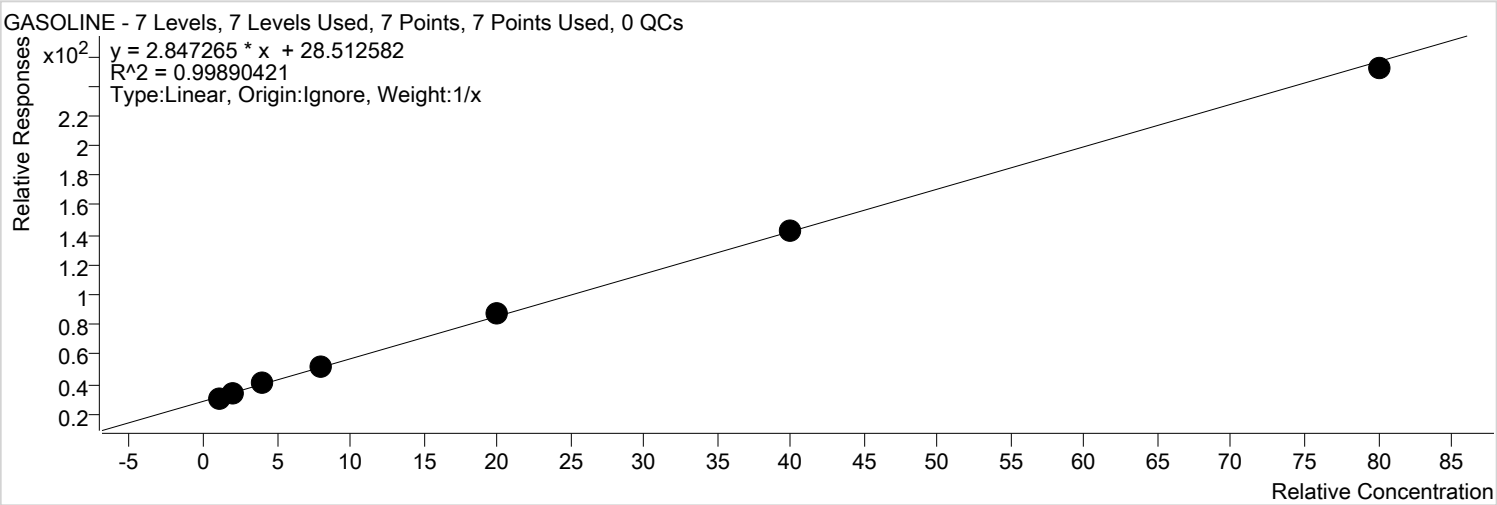
Calibration

Calibration Report

Agilent Technologies

Batch Path	D:\GC-27\DATA\101921\QuantResults\GX CAL.batch.bin		
Analysis Time	10/20/2021 10:13 AM	**Analyst Name**	FA\GC27
Report Time	10/20/2021 10:14:08 AM	**Reporter Name**	FA\GC27
Last Calib Update	10/20/2021 7:43 AM	**Batch State**	Processed
Quant Batch Version	B.09.00	**Quant Report Version**	B.09.00

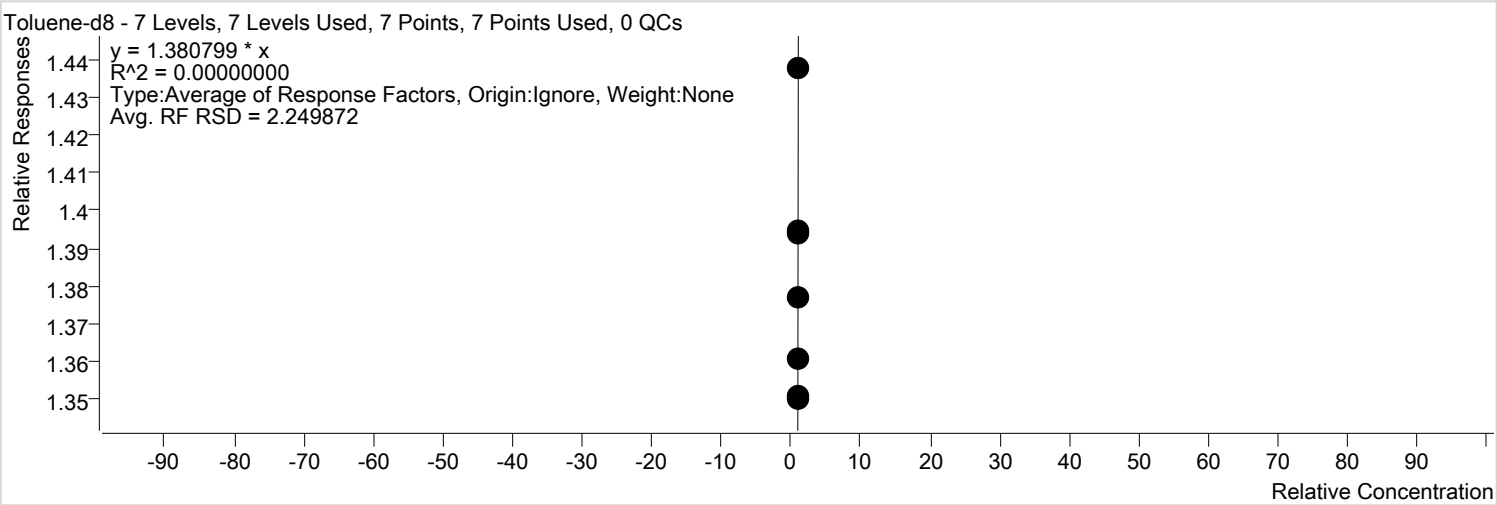
GASOLINE %RSE = 8.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\101921\101912.D	Calibration	1	x	48018772	25.0000	30.8745	
D:\GC-27\DATA\101921\101913.D	Calibration	2	x	52505551	50.0000	17.2197	
D:\GC-27\DATA\101921\101914.D	Calibration	3	x	59157251	100.0000	10.1278	
D:\GC-27\DATA\101921\101915.D	Calibration	4	x	76915258	200.0000	6.5317	
D:\GC-27\DATA\101921\101916.D	Calibration	5	x	129387279	500.0000	4.4124	
D:\GC-27\DATA\101921\101917.D	Calibration	6	x	221771404	1000.0000	3.5766	
D:\GC-27\DATA\101921\101918.D	Calibration	7	x	400986917	2000.0000	3.1440	

Batch Path	D:\GC-27\DATA\101921\QuantResults\GX CAL.batch.bin		
Analysis Time	10/20/2021 10:13 AM	**Analyst Name**	FA\GC27
Report Time	10/20/2021 10:14:10 AM	**Reporter Name**	FA\GC27
Last Calib Update	10/20/2021 7:43 AM	**Batch State**	Processed
Quant Batch Version	B.09.00	**Quant Report Version**	B.09.00

Toluene-d8 %RSE =



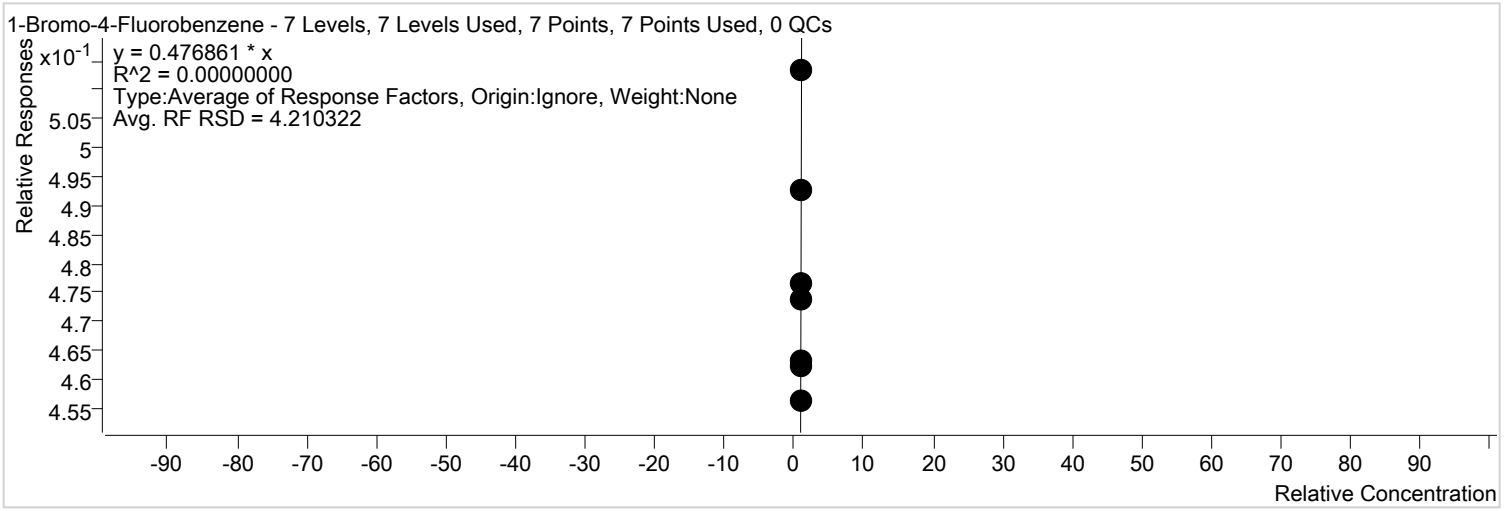
Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\101921\101918.D	Calibration	7	x	3102347	25.0000	1.4374	
D:\GC-27\DATA\101921\101917.D	Calibration	6	x	2973428	25.0000	1.3940	
D:\GC-27\DATA\101921\101916.D	Calibration	5	x	2923053	25.0000	1.3948	
D:\GC-27\DATA\101921\101915.D	Calibration	4	x	2852409	25.0000	1.3768	
D:\GC-27\DATA\101921\101914.D	Calibration	3	x	2873516	25.0000	1.3509	
D:\GC-27\DATA\101921\101913.D	Calibration	2	x	2957400	25.0000	1.3611	
D:\GC-27\DATA\101921\101912.D	Calibration	1	x	2959509	25.0000	1.3505	

Calibration Report

Agilent Technologies

Batch Path	D:\GC-27\DATA\101921\QuantResults\GX CAL.batch.bin		
Analysis Time	10/20/2021 10:13 AM	**Analyst Name**	FA\GC27
Report Time	10/20/2021 10:14:10 AM	**Reporter Name**	FA\GC27
Last Calib Update	10/20/2021 7:43 AM	**Batch State**	Processed
Quant Batch Version	B.09.00	**Quant Report Version**	B.09.00

1-Bromo-4-Fluorobenzene %RSE =

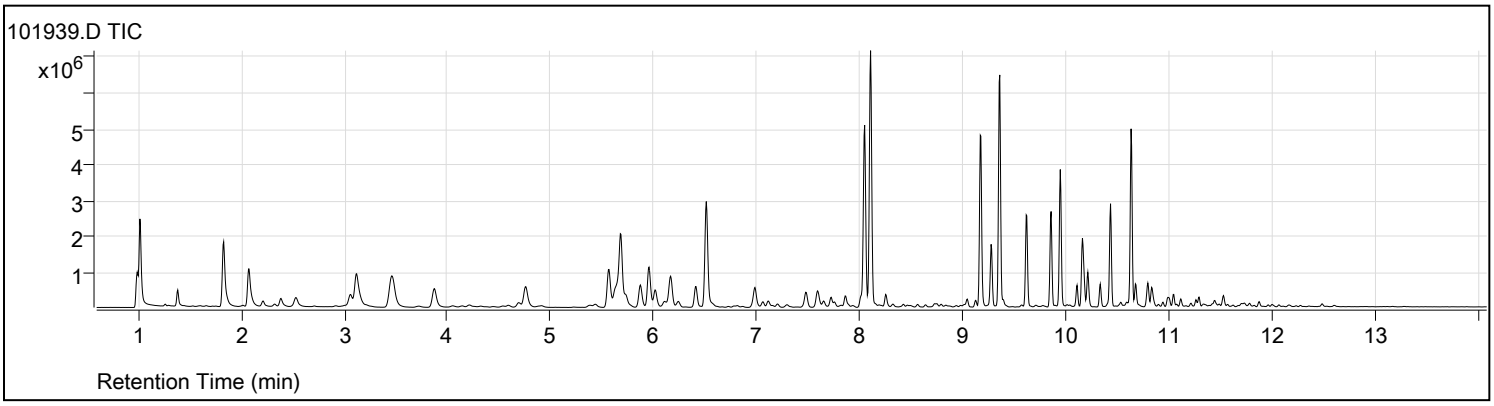


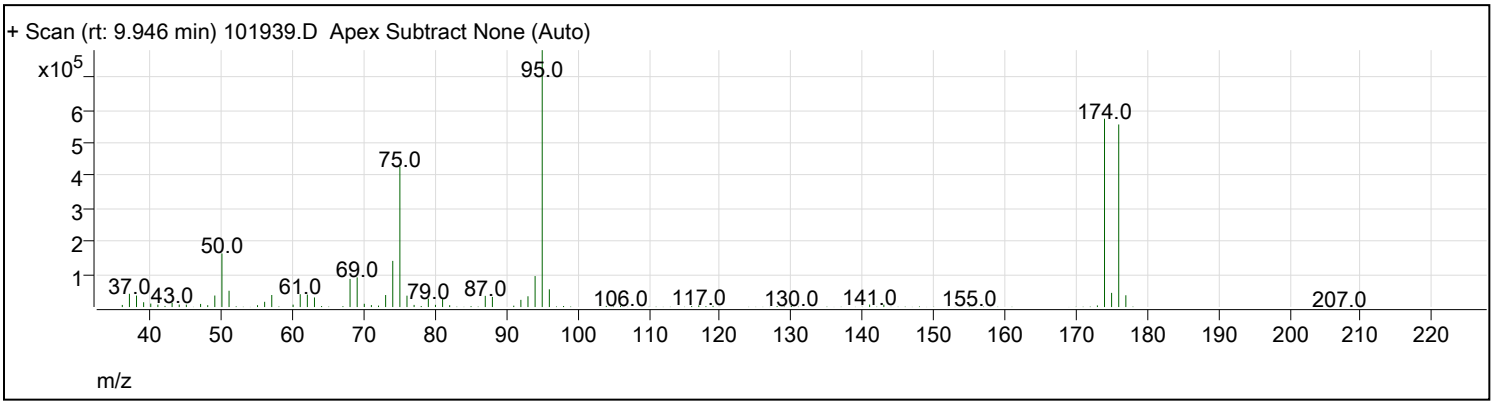
Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\101921\101918.D	Calibration	7	x	1107824	25.0000	0.5133	
D:\GC-27\DATA\101921\101917.D	Calibration	6	x	1051388	25.0000	0.4929	
D:\GC-27\DATA\101921\101916.D	Calibration	5	x	992952	25.0000	0.4738	
D:\GC-27\DATA\101921\101915.D	Calibration	4	x	986958	25.0000	0.4764	
D:\GC-27\DATA\101921\101914.D	Calibration	3	x	970963	25.0000	0.4565	
D:\GC-27\DATA\101921\101913.D	Calibration	2	x	1004041	25.0000	0.4621	
D:\GC-27\DATA\101921\101912.D	Calibration	1	x	1014725	25.0000	0.4630	

Tunes

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\101921\101939.D
Acq on:	10/20/2021 6:15:15 AM
Operator:	cmr
Sample:	CCV-34092B
Inst Name:	GC-27
ALS Vial:	17
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

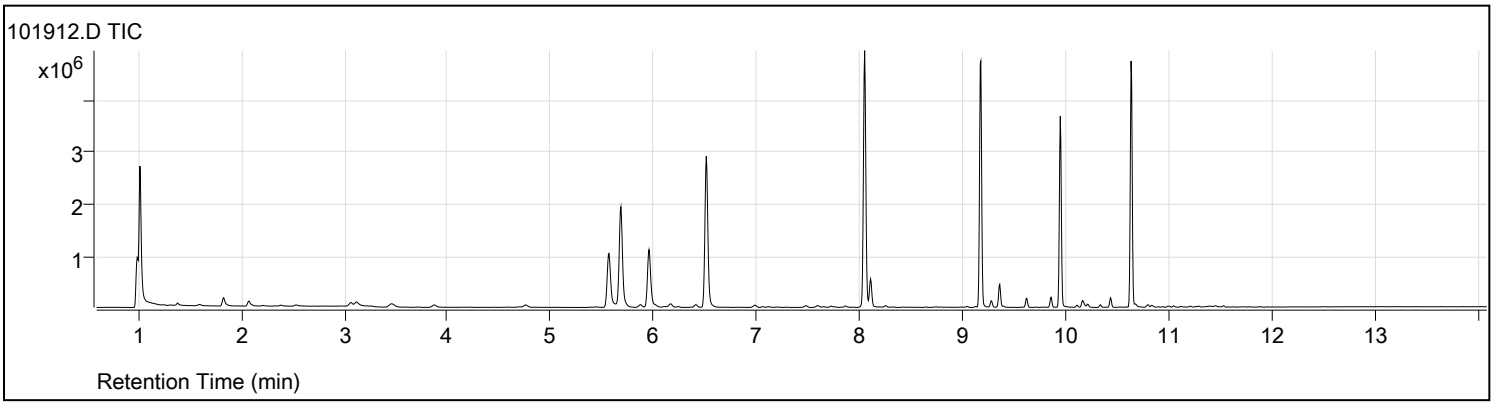


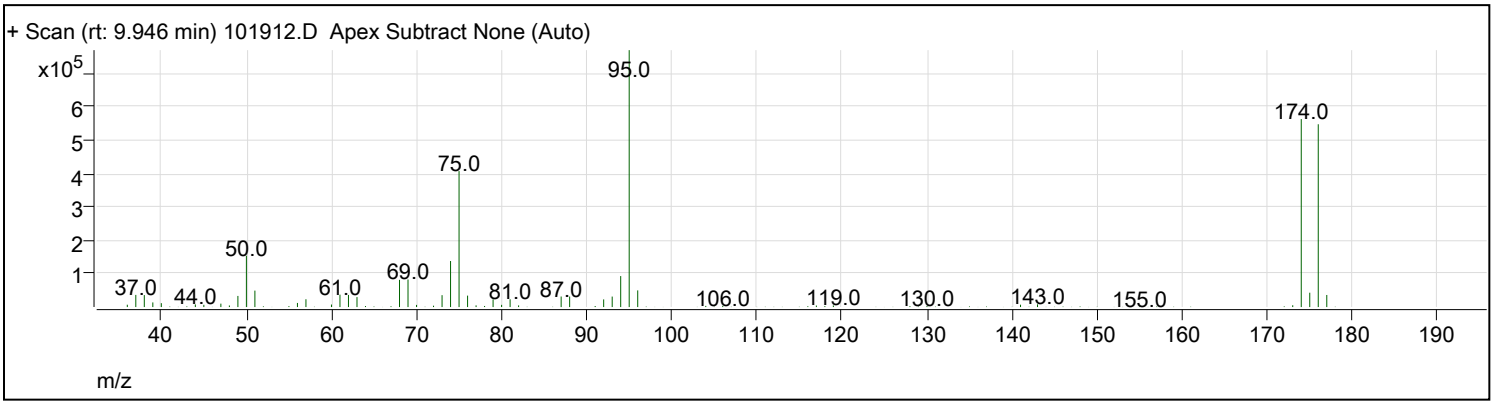


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	136.4	783567	Pass
96	95	5	9	6.9	54103	Pass
173	174	0	2	0.8	4869	Pass
174	95	50	200	73.3	574336	Pass
175	174	5	9	7.5	43258	Pass
176	174	95	105	97.0	556908	Pass
177	176	5	10	6.4	35911	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\101921\101912.D
Acq on:	10/19/2021 4:41:32 PM
Operator:	cmr
Sample:	GX CAL1 25972
Inst Name:	GC-27
ALS Vial:	54
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

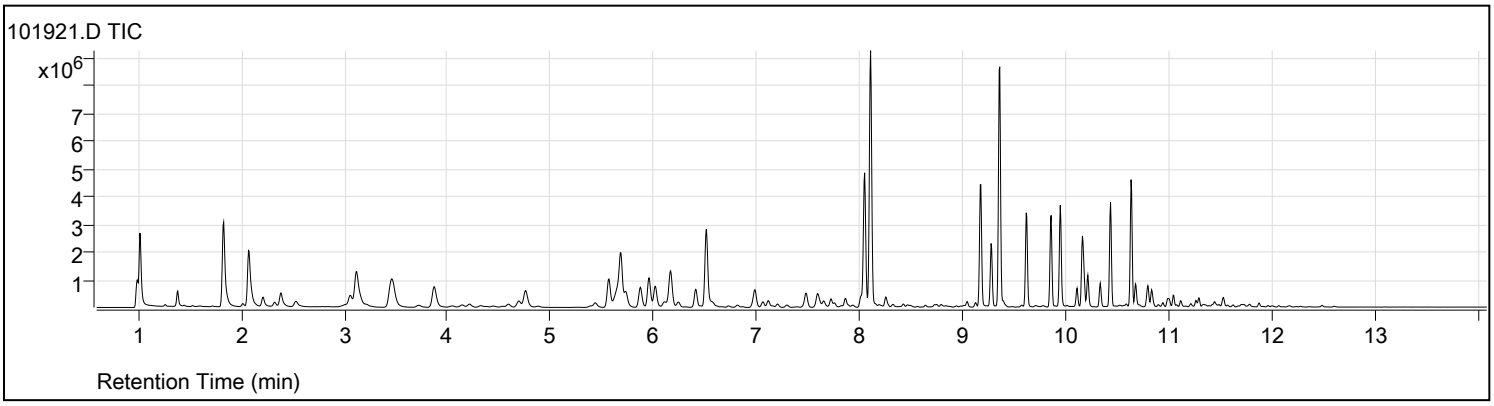


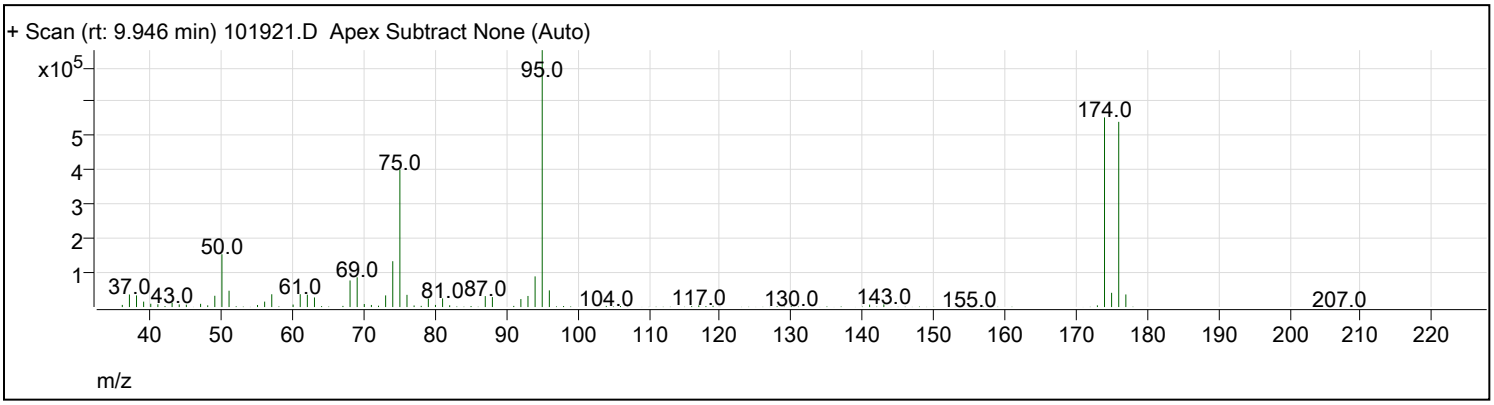


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	136.7	769642	Pass
96	95	5	9	6.5	49876	Pass
173	174	0	2	1.0	5375	Pass
174	95	50	200	73.2	563189	Pass
175	174	5	9	7.6	42958	Pass
176	174	95	105	97.2	547597	Pass
177	176	5	10	6.6	36143	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\101921\101921.D
Acq on:	10/19/2021 9:13:00 PM
Operator:	cmr
Sample:	ICV 25738
Inst Name:	GC-27
ALS Vial:	63
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

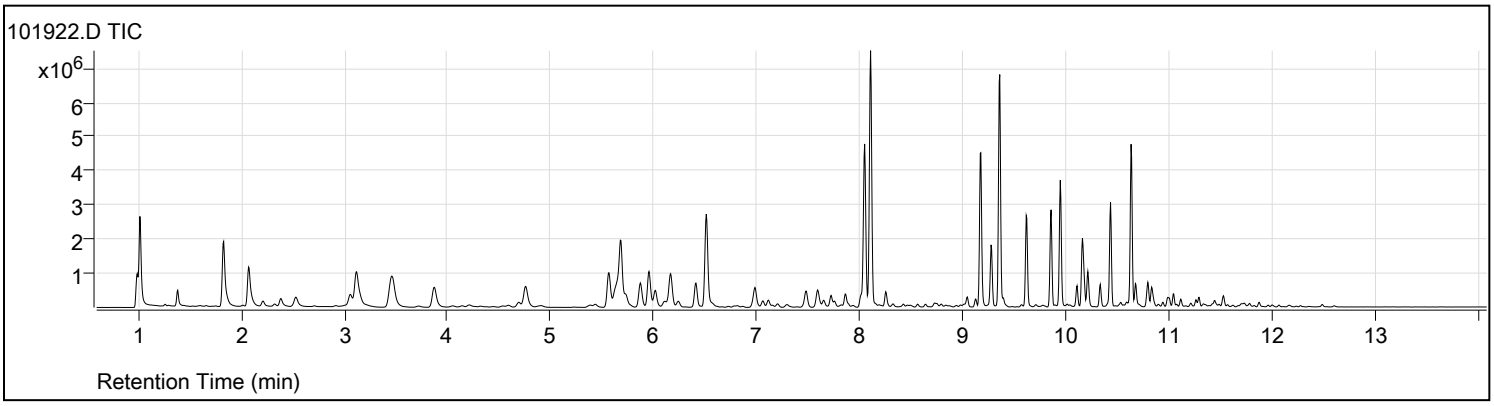


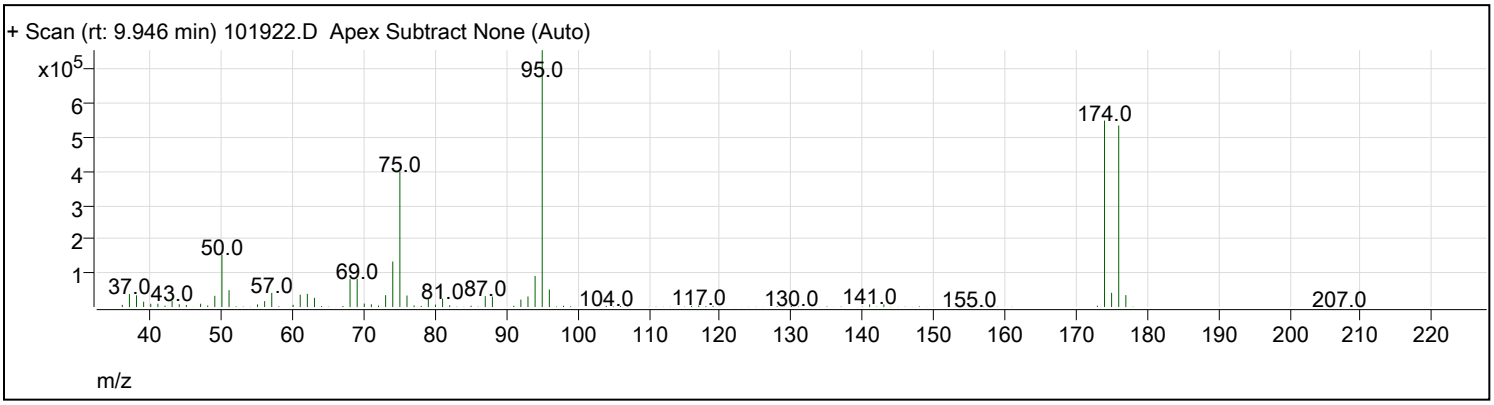


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	135.5	750451	Pass
96	95	5	9	6.5	48704	Pass
173	174	0	2	0.9	4900	Pass
174	95	50	200	73.8	553930	Pass
175	174	5	9	7.5	41554	Pass
176	174	95	105	97.7	541037	Pass
177	176	5	10	6.8	36819	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\101921\101922.D
Acq on:	10/19/2021 9:43:10 PM
Operator:	cmr
Sample:	CCV-34092A GX
Inst Name:	GC-27
ALS Vial:	1
Method:	D:\MassHunter\Methods\Quant\BFB2021.m





Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	137.7	758307	Pass
96	95	5	9	6.8	51770	Pass
173	174	0	2	0.7	3956	Pass
174	95	50	200	72.6	550609	Pass
175	174	5	9	7.6	41999	Pass
176	174	95	105	97.3	535886	Pass
177	176	5	10	6.6	35205	Pass

DATA SET for Review -- Deliverable Requirements

Polychlorinated Biphenyls (PCB) by EPA 8082

Fremont Analytical Work Order No. 2110251

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information

Injection Log

Data Directory: D:\GC-16\Data\2021\093021\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 093034.D	8081_8082A_608.M			
No data found			0.000	N/A
2) 093001.D	8081_8082A_608.M			
CO		6	1.000	30 Sep 2021 07:54 am
3) 093002.D	8081_8082A_608.M			
1660 10		11	1.000	30 Sep 2021 08:04 am
4) 093003.D	8081_8082A_608.M			
1660 20		12	1.000	30 Sep 2021 08:14 am
5) 093004.D	8081_8082A_608.M			
1660 50		13	1.000	30 Sep 2021 08:24 am
6) 093005.D	8081_8082A_608.M			
1660 100		14	1.000	30 Sep 2021 08:33 am
7) 093006.D	8081_8082A_608.M			
1660 200		15	1.000	30 Sep 2021 08:43 am
8) 093007.D	8081_8082A_608.M			
1660 500		16	1.000	30 Sep 2021 08:53 am
9) 093008.D	8081_8082A_608.M			
1660 1000		17	1.000	30 Sep 2021 09:02 am
10) 093009.D	8081_8082A_608.M			
1660 2000		18	1.000	30 Sep 2021 09:12 am
11) 093010.D	8081_8082A_608.M			
1660 ICB		19	1.000	30 Sep 2021 09:22 am
12) 093011.D	8081_8082A_608.M			
1660 ICV		20	1.000	30 Sep 2021 09:32 am
13) 093012.D	8081_8082A_608.M			
1254 10		21	1.000	30 Sep 2021 09:41 am
14) 093013.D	8081_8082A_608.M			
1660 ICV		20	1.000	30 Sep 2021 09:51 am
15) 093014.D	8081_8082A_608.M			
1254 20		22	1.000	30 Sep 2021 10:02 am
16) 093015.D	8081_8082A_608.M			
1254 50		23	1.000	30 Sep 2021 10:12 am
17) 093016.D	8081_8082A_608.M			
1254 100		24	1.000	30 Sep 2021 10:22 am
18) 093017.D	8081_8082A_608.M			
1254 200		25	1.000	30 Sep 2021 10:33 am
19) 093018.D	8081_8082A_608.M			
1254 500		26	1.000	30 Sep 2021 10:42 am
20) 093019.D	8081_8082A_608.M			
1254 1000		27	1.000	30 Sep 2021 10:52 am
21) 093020.D	8081_8082A_608.M			
1254 2000		28	1.000	30 Sep 2021 11:02 am

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 22) 093021.D              8081_8082A_608.M
1254 ICB                                29    1.000     30 Sep 2021  11:12 am
  ------------------------------------------------------------------------------
 23) 093022.D              8081_8082A_608.M
1254 ICV                                30    1.000     30 Sep 2021  11:21 am
  ------------------------------------------------------------------------------
 24) 093023.D              8081_8082A_608.M
1660-CCV-33867A                         17    1.000     30 Sep 2021  11:31 am
  ------------------------------------------------------------------------------
 25) 093024.D              8081_8082A_608.M
1254-CCV-33867A                         27    1.000     30 Sep 2021  11:41 am
  ------------------------------------------------------------------------------
 26) 093025.D              8081_8082A_608.M
MB-33867                                31    1.000     30 Sep 2021  11:50 am
  ------------------------------------------------------------------------------
 27) 093026.D              8081_8082A_608.M
LCS1-33867                              32    1.000     30 Sep 2021  12:00 pm
  ------------------------------------------------------------------------------
 28) 093027.D              8081_8082A_608.M
LCS1D-33867                             33    1.000     30 Sep 2021  12:10 pm
  ------------------------------------------------------------------------------
 29) 093028.D              8081_8082A_608.M
LCS2-33867                              34    1.000     30 Sep 2021  12:20 pm
  ------------------------------------------------------------------------------
 30) 093029.D              8081_8082A_608.M
LCS-LL-33867                            35    1.000     30 Sep 2021  12:29 pm
  ------------------------------------------------------------------------------
 31) 093030.D              8081_8082A_608.M
2109469-001A                            44    1.000     30 Sep 2021  12:39 pm
  ------------------------------------------------------------------------------
 32) 093031.D              8081_8082A_608.M
2109469-001AMS                          45    1.000     30 Sep 2021  12:49 pm
  ------------------------------------------------------------------------------
 33) 093032.D              8081_8082A_608.M
2109390-011E                            36    1.000     30 Sep 2021  12:58 pm
  ------------------------------------------------------------------------------
 34) 093033.D              8081_8082A_608.M
2109397-003C                            37    1.000     30 Sep 2021  01:08 pm
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Injection Log

Data Directory: D:\GC-16\Data\2021\102021\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	102001.D	8081_8082A_608.M			
CO			6	1.000	20 Oct 2021 08:33 am
2)	102002.D	8081_8082A_608.M			
CO			7	1.000	20 Oct 2021 08:43 am
3)	102003.D	8081_8082A_608.M			
1660-CCV-			4	1.000	20 Oct 2021 08:52 am
4)	102004.D	8081_8082A_608.M			
1254-CCV-			5	1.000	20 Oct 2021 09:02 am
5)	102005.D	8081_8082A_608.M			
MB-34090			11	1.000	20 Oct 2021 09:12 am
6)	102006.D	8081_8082A_608.M			
LCS1-34090			12	1.000	20 Oct 2021 09:22 am
7)	102007.D	8081_8082A_608.M			
LCS2-34090			13	1.000	20 Oct 2021 09:31 am
8)	102008.D	8081_8082A_608.M			
2110134-006A			14	1.000	20 Oct 2021 09:41 am
9)	102009.D	8081_8082A_608.M			
2110134-006AMS			15	1.000	20 Oct 2021 09:51 am
10)	102010.D	8081_8082A_608.M			
2110134-006AMSD			16	1.000	20 Oct 2021 10:00 am
11)	102011.D	8081_8082A_608.M			
2110134-008A			17	1.000	20 Oct 2021 10:10 am
12)	102012.D	8081_8082A_608.M			
2110137-007A			18	1.000	20 Oct 2021 10:20 am
13)	102013.D	8081_8082A_608.M			
2110251-001A			19	1.000	20 Oct 2021 10:30 am
14)	102014.D	8081_8082A_608.M			
2110251-002A			20	1.000	20 Oct 2021 10:39 am
15)	102015.D	8081_8082A_608.M			
2110251-003A			21	1.000	20 Oct 2021 10:49 am
16)	102016.D	8081_8082A_608.M			
2110251-005A			22	1.000	20 Oct 2021 10:59 am
17)	102017.D	8081_8082A_608.M			
2110251-006A			23	1.000	20 Oct 2021 11:09 am
18)	102018.D	8081_8082A_608.M			
2110251-007A			24	1.000	20 Oct 2021 11:18 am
19)	102019.D	8081_8082A_608.M			
2110251-009A			25	1.000	20 Oct 2021 11:28 am
20)	102020.D	8081_8082A_608.M			
2110251-010A			26	1.000	20 Oct 2021 11:38 am
21)	102021.D	8081_8082A_608.M			
2110251-011A			27	1.000	20 Oct 2021 11:48 am

22) 102022.D 8081_8082A_608.M
2110251-012A 28 1.000 20 Oct 2021 11:57 am
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23) 102023.D 8081_8082A_608.M
2110251-013A 29 1.000 20 Oct 2021 12:07 pm
---
24) 102024.D 8081_8082A_608.M
2110251-014A 30 1.000 20 Oct 2021 12:17 pm
---
25) 102025.D 8081_8082A_608.M
2110251-015A 31 1.000 20 Oct 2021 12:26 pm
---
26) 102026.D 8081_8082A_608.M
2110251-016A 32 1.000 20 Oct 2021 12:36 pm
---
27) 102027.D 8081_8082A_608.M
2110251-017A 33 1.000 20 Oct 2021 12:46 pm
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28) 102028.D 8081_8082A_608.M
1660-CCV- 4 1.000 20 Oct 2021 12:56 pm
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29) 102029.D 8081_8082A_608.M
1254-CCV- 5 1.000 20 Oct 2021 01:05 pm
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30) 102030.D 8081_8082A_608.M
1254-CCV- 5 1.000 20 Oct 2021 01:38 pm
---
31) 102031.D 8081_8082A_608.M
1254-CCV- 5 1.000 20 Oct 2021 01:48 pm
---
32) 102032.D 8081_8082A_608.M
MB-34090 41 1.000 20 Oct 2021 01:58 pm
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33) 102033.D 8081_8082A_608.M
LCS1-34090 42 1.000 20 Oct 2021 02:07 pm
---
34) 102034.D 8081_8082A_608.M
LCS2-34090 43 1.000 20 Oct 2021 02:17 pm
---
35) 102035.D 8081_8082A_608.M
2110134-006A 44 1.000 20 Oct 2021 02:27 pm
---
36) 102036.D 8081_8082A_608.M
2110134-006AMS 45 1.000 20 Oct 2021 02:37 pm
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37) 102037.D 8081_8082A_608.M
2110134-006AMSD 46 1.000 20 Oct 2021 02:46 pm
---
38) 102038.D 8081_8082A_608.M
2110251-008A 47 1.000 20 Oct 2021 02:56 pm
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39) 102039.D 8081_8082A_608.M
1660-CCV- 4 1.000 20 Oct 2021 03:06 pm
---
40) 102040.D 8081_8082A_608.M
1254-CCV- 5 1.000 20 Oct 2021 03:15 pm
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41) 102041.D 8081_8082A_608.M
MB-34105 51 1.000 20 Oct 2021 03:25 pm
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42) 102042.D 8081_8082A_608.M
LCS1-34105 52 1.000 20 Oct 2021 03:35 pm
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43) 102043.D 8081_8082A_608.M
LCS2-34105 53 1.000 20 Oct 2021 03:45 pm
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44) 102044.D 8081_8082A_608.M
2110265-001A 54 1.000 20 Oct 2021 03:54 pm
---
45) 102045.D 8081_8082A_608.M

2110265-001AMS 55 1.000 20 Oct 2021 04:04 pm

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46) 102046.D 8081_8082A_608.M
2110265-001AMSD 56 1.000 20 Oct 2021 04:14 pm

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47) 102047.D 8081_8082A_608.M
2110009-027A 57 1.000 20 Oct 2021 04:24 pm

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48) 102048.D 8081_8082A_608.M
2110013-019A 58 1.000 20 Oct 2021 04:33 pm

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49) 102049.D 8081_8082A_608.M
1660-CCV- 4 1.000 20 Oct 2021 04:43 pm

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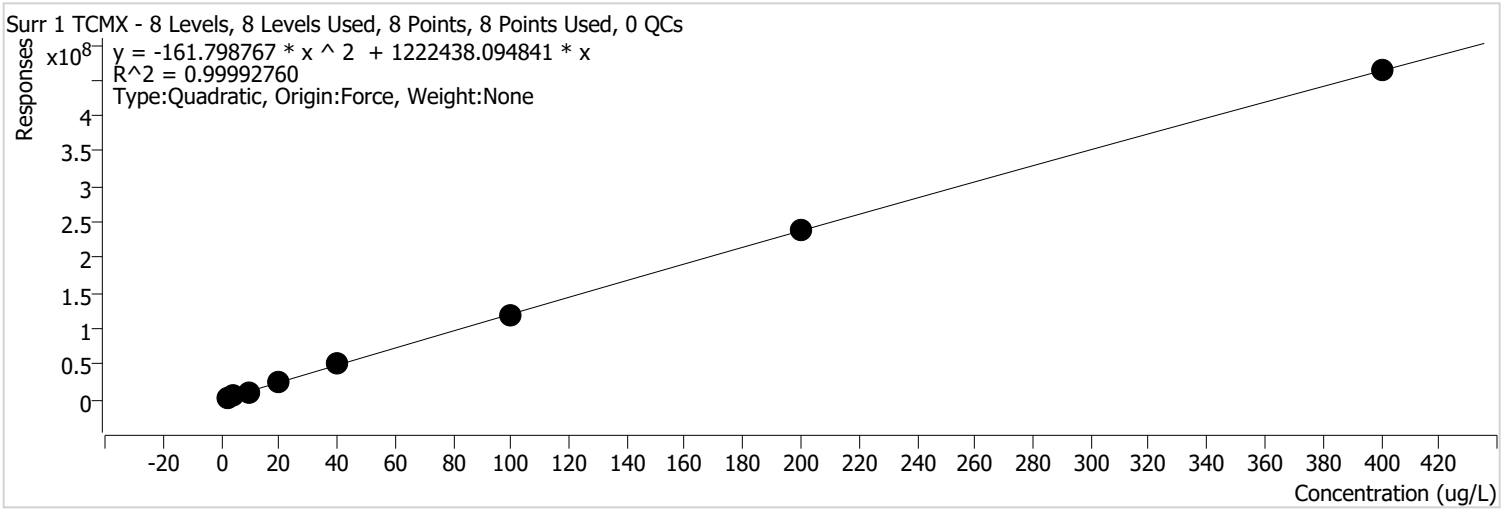
50) 102050.D 8081_8082A_608.M
1254-CCV- 5 1.000 20 Oct 2021 04:53 pm

Calibration

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:22 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 1 TCMX %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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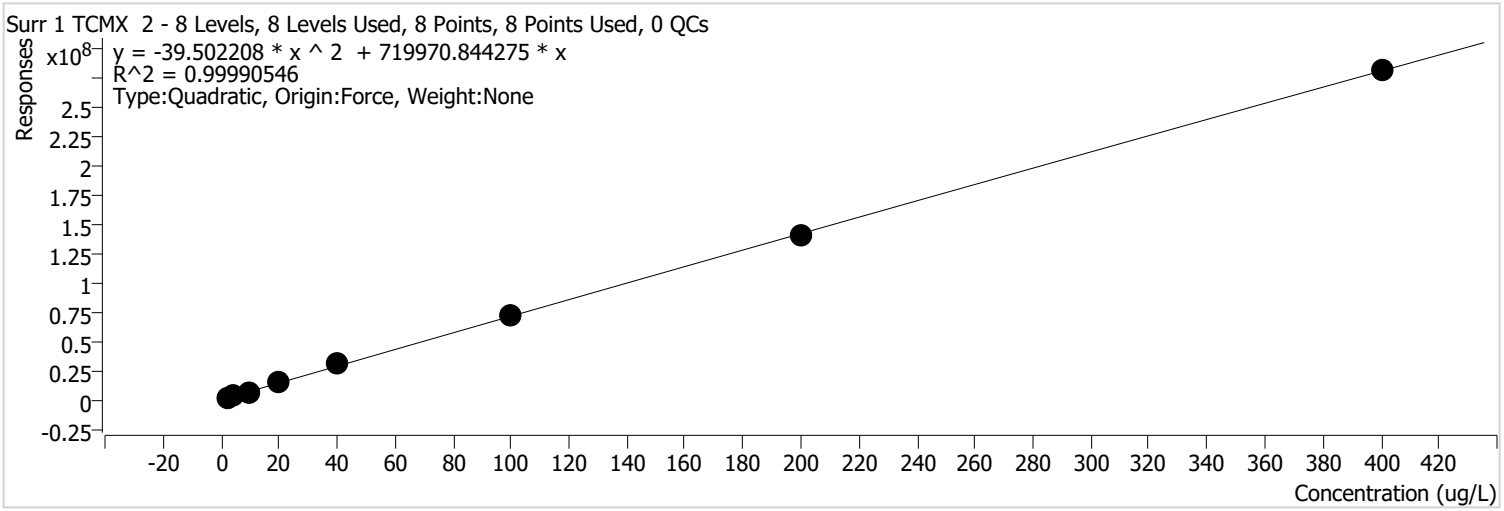
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	5501171	4.0000	1375292.7028	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	11449948	10.0000	1144994.7636	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	26421926	20.0000	1321096.2764	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	50798942	40.0000	1269973.5488	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	118768018	100.0000	1187680.1829	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	238292847	200.0000	1191464.2361	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	463107967	400.0000	1157769.9172	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

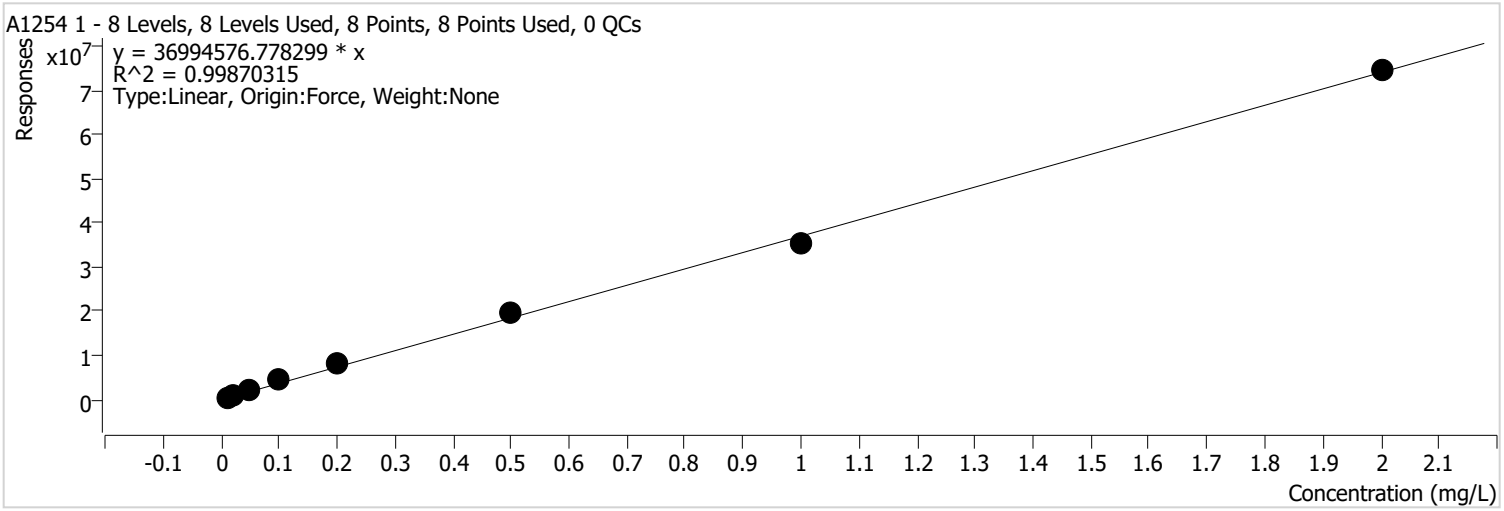
Surr 1 TCMX 2 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	1453156	2.0000	726578.2125	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	3470818	4.0000	867704.5477	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	6955331	10.0000	695533.1168	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	15983700	20.0000	799184.9873	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	30416920	40.0000	760422.9906	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	71319062	100.0000	713190.6157	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	141716800	200.0000	708584.0024	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	281839270	400.0000	704598.1740	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 1 %RSE = 17.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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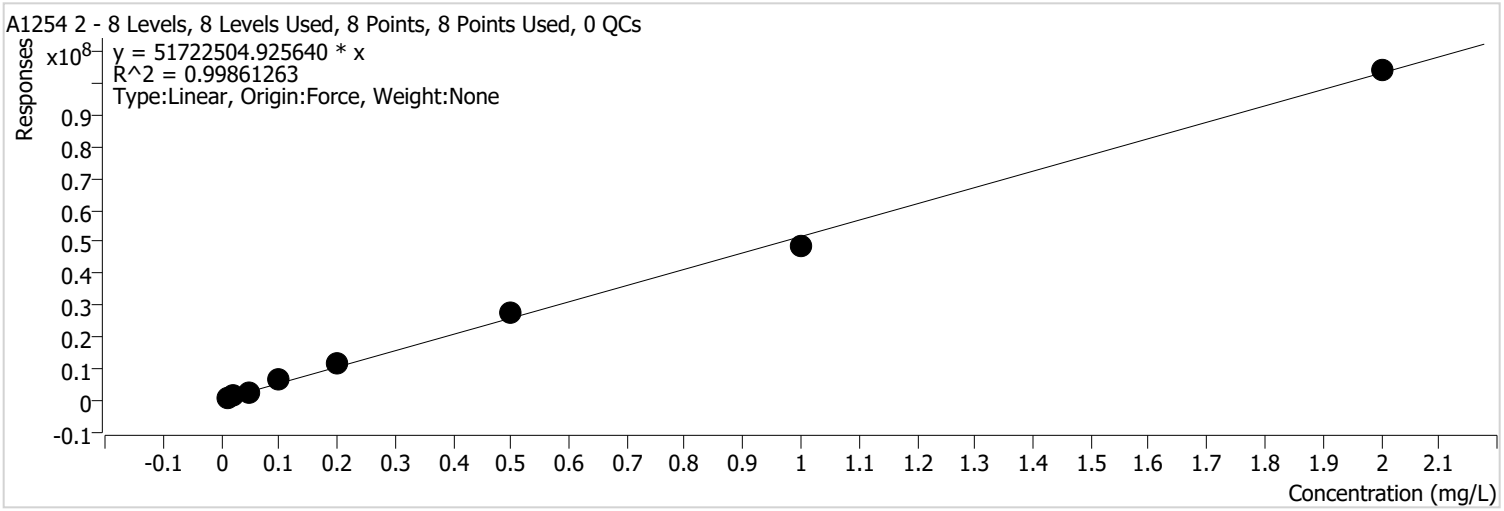
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	944393	0.0200	47219666.5214	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2057399	0.0500	41147983.0597	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4641418	0.1000	46414177.6100	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	8328295	0.2000	41641475.2047	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	19677294	0.5000	39354588.7044	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	35378372	1.0000	35378372.4367	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	74354852	2.0000	37177425.9706	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 2 %RSE = 23.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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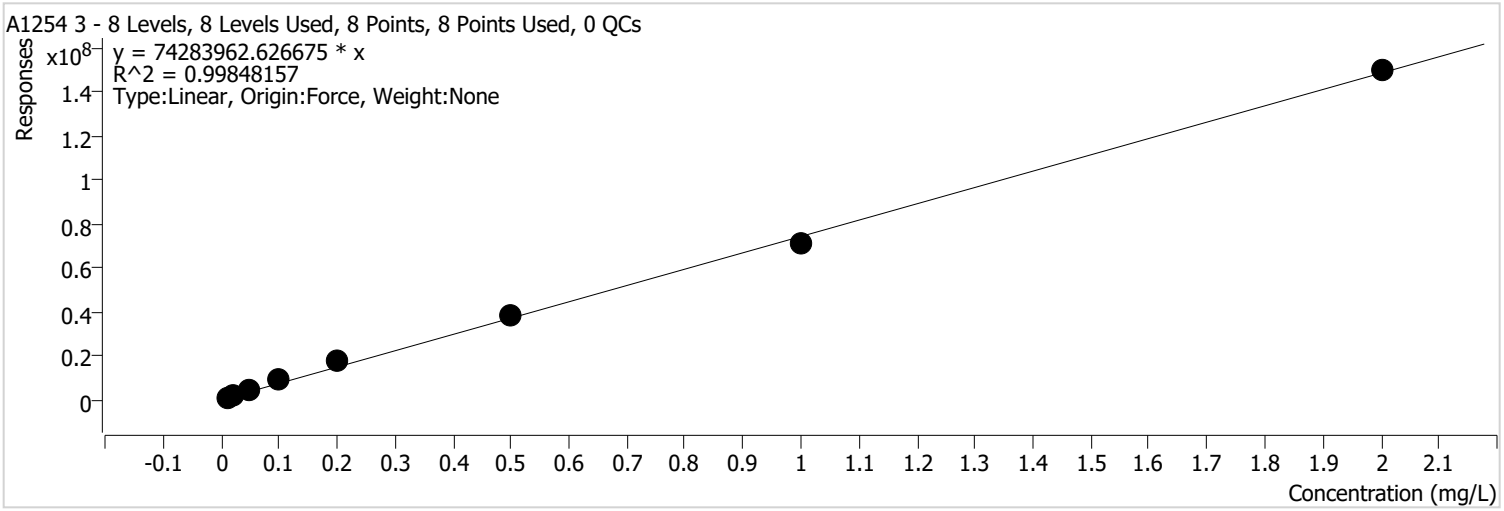
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1367687	0.0200	68384349.9245	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2664818	0.0500	53296364.1113	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	6329142	0.1000	63291424.4759	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	11640085	0.2000	58200422.9118	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	27312124	0.5000	54624248.9388	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	49133781	1.0000	49133781.3867	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	104182916	2.0000	52091458.0906	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

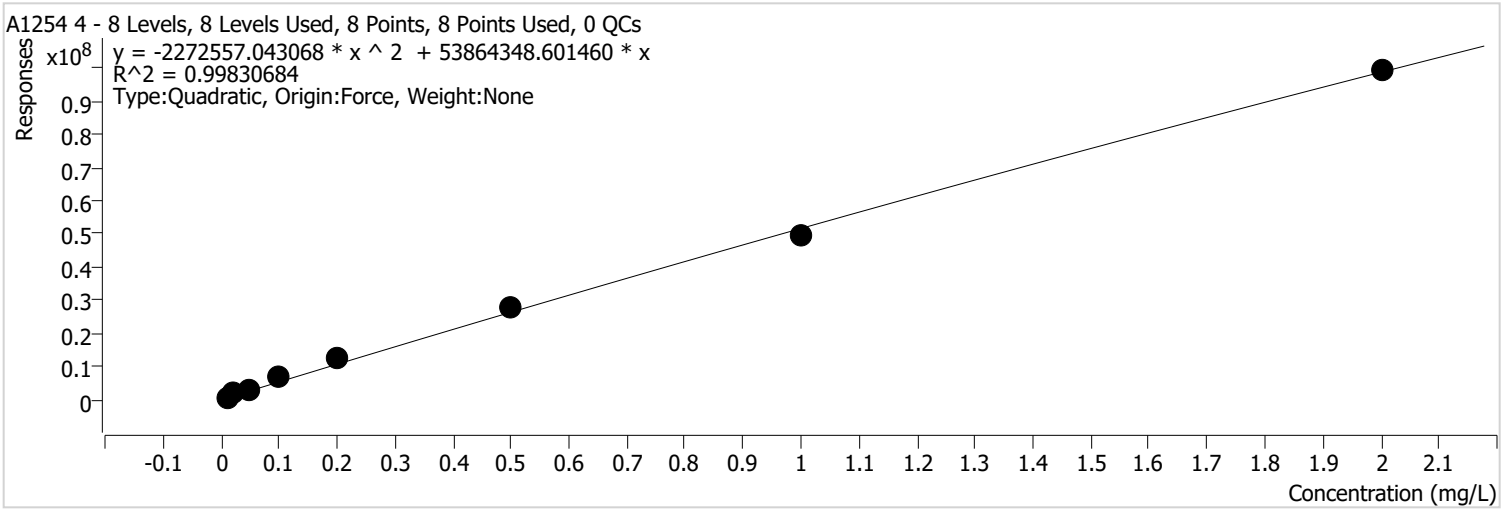
A1254 3 %RSE = 25.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	968244	0.0100	96824407.6425	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	2137905	0.0200	106895252.8077	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	4041302	0.0500	80826030.1402	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	9199778	0.1000	91997781.0889	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	17458680	0.2000	87293400.7929	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	38943523	0.5000	77887045.9859	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	70621068	1.0000	70621068.4727	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	149584402	2.0000	74792201.0951	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

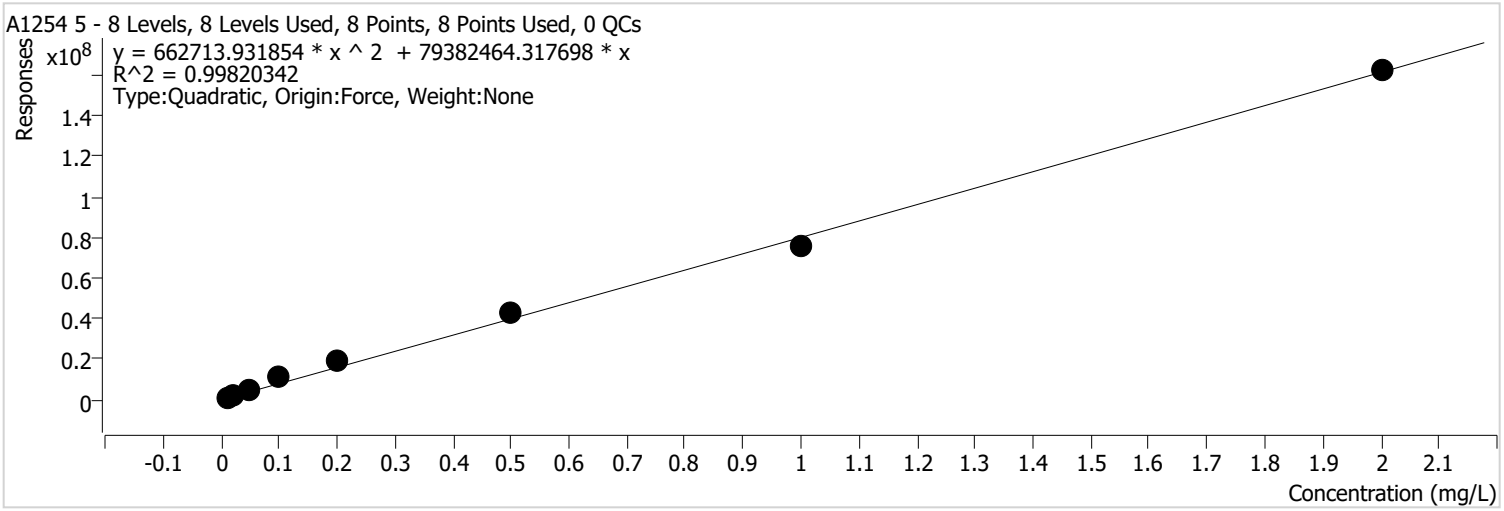
A1254 4 %RSE = 52.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	686096	0.0100	68609559.3839	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	2228251	0.0200	111412565.2676	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	3069701	0.0500	61394028.5651	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	6926129	0.1000	69261291.2286	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	12565315	0.2000	62826573.7891	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	27722398	0.5000	55444796.4972	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	49512340	1.0000	49512340.2188	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	99050337	2.0000	49525168.4548	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

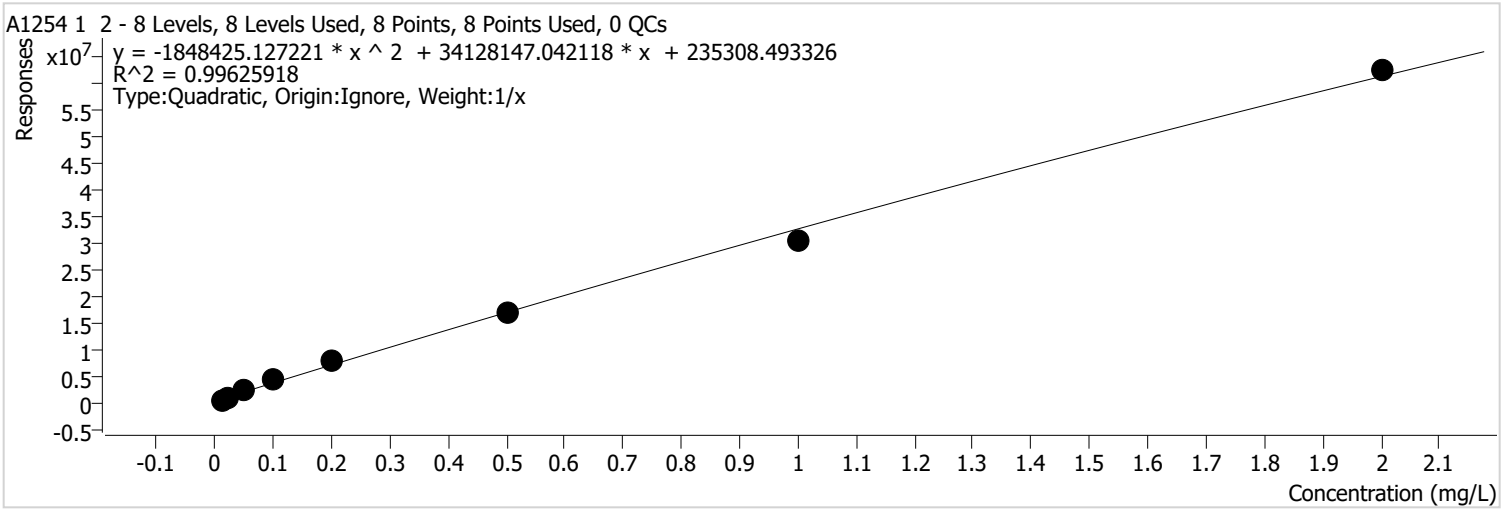
A1254 5 %RSE = 26.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	1020874	0.0100	10208741 9.6439	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1993529	0.0200	99676448 .6731	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	4751353	0.0500	95027052 .3297	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	10753746	0.1000	10753746 2.2424	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	18860824	0.2000	94304119 .8496	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	42553518	0.5000	85107036 .1156	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	76327536	1.0000	76327535 .6302	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	162139523	2.0000	81069761 .2765	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

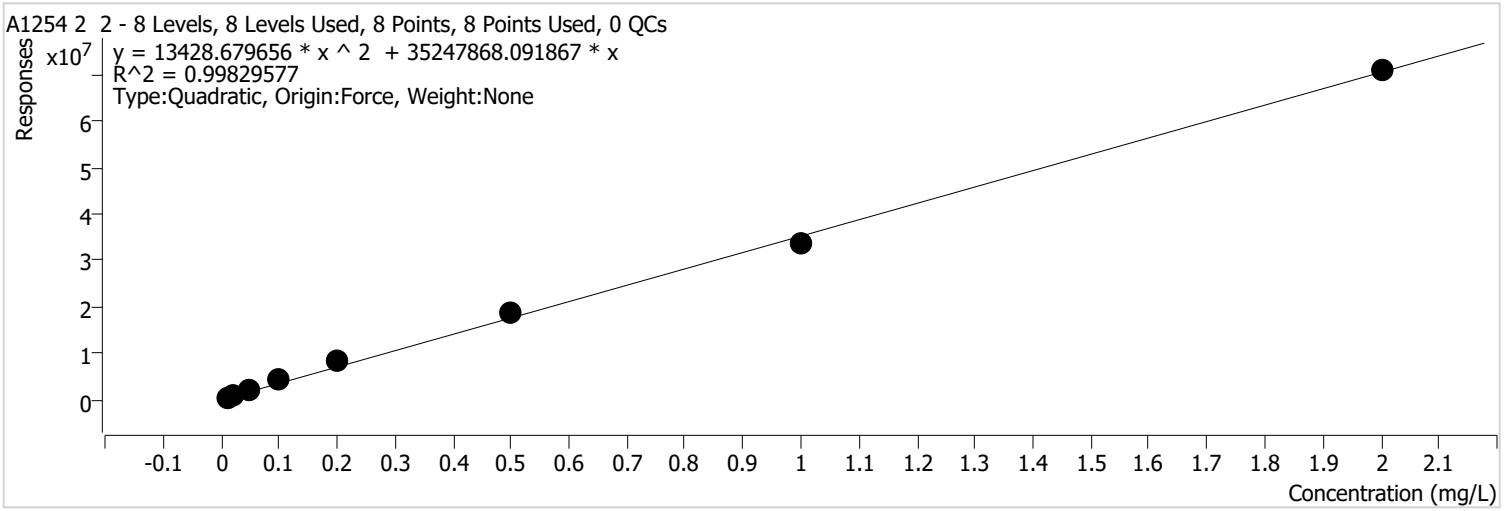
A1254 1 2 %RSE = 19.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	451635	0.0100	45163453.5256	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	980612	0.0200	49030615.3782	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2054540	0.0500	41090799.6005	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4167153	0.1000	41671526.9943	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	7671987	0.2000	38359936.8127	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	16802254	0.5000	33604508.3008	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	30206895	1.0000	30206895.4610	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	62162404	2.0000	31081201.7621	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 2 2 %RSE = 32.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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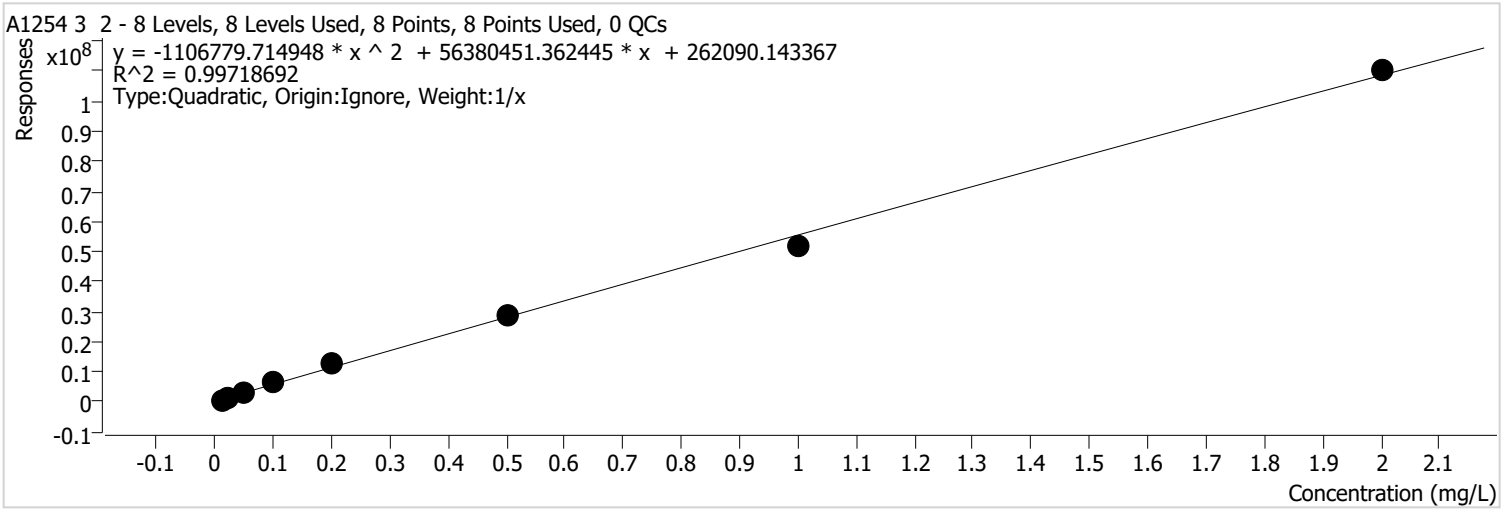
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1059158	0.0200	52957882.2088	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	1985173	0.0500	39703465.3877	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4492117	0.1000	44921173.2075	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	8470833	0.2000	42354166.5894	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	18772932	0.5000	37545863.5221	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	33668459	1.0000	33668458.8550	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	70859255	2.0000	35429627.3418	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

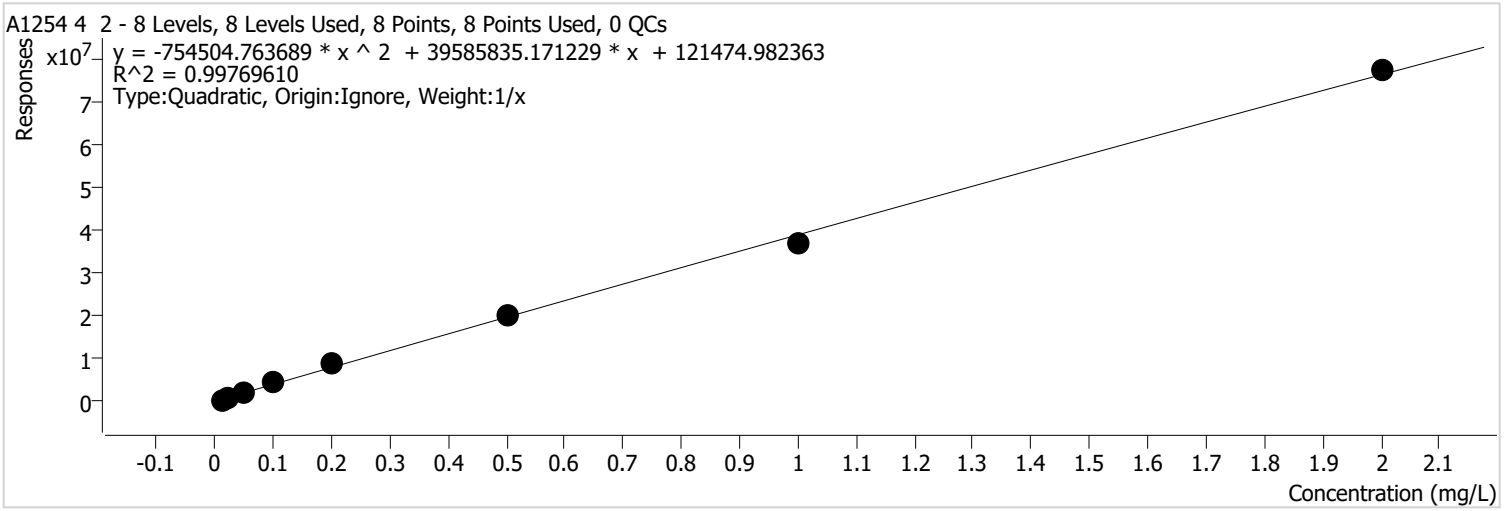
A1254 3 2 %RSE = 13.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	723400	0.0100	72339996.2119	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1487114	0.0200	74355714.8858	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2782341	0.0500	55646812.4860	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	6610456	0.1000	66104564.7499	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	12703123	0.2000	63515616.9206	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	28576557	0.5000	57153114.1770	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	51974329	1.0000	51974328.6251	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	110126299	2.0000	55063149.5740	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 4 2 %RSE = 12.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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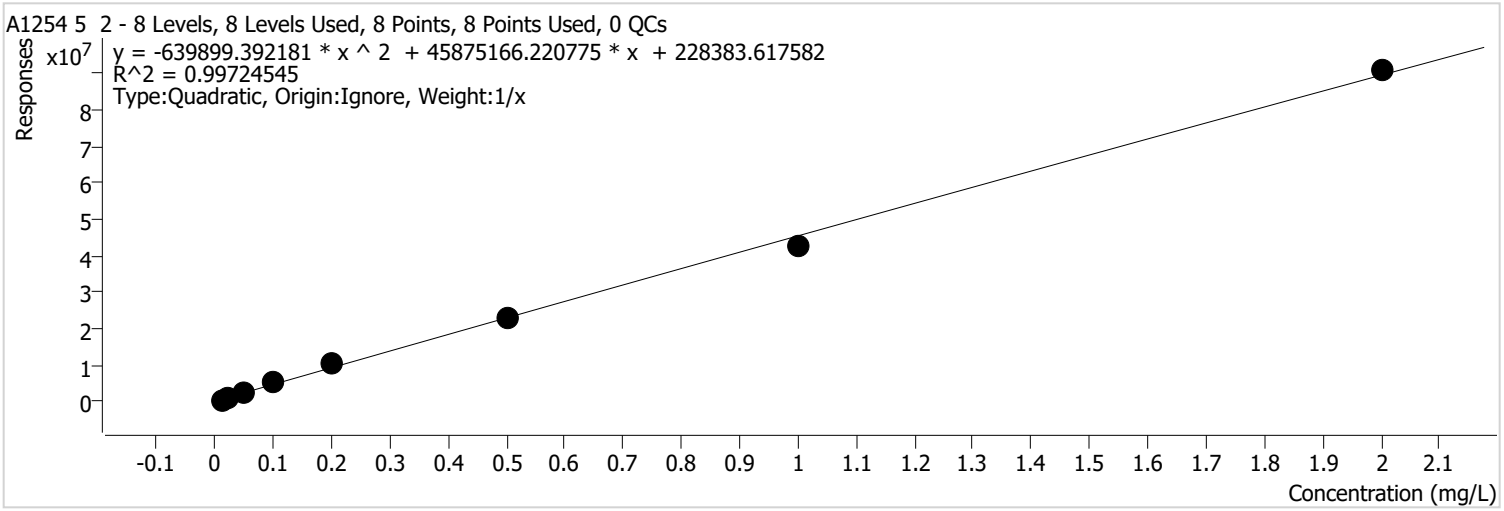
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	992137	0.0200	49606842.0830	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	1842588	0.0500	36851751.2082	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4575383	0.1000	45753834.9499	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	8666046	0.2000	43330229.2589	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	20065006	0.5000	40130011.3551	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	36769274	1.0000	36769274.3145	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	77197100	2.0000	38598550.1918	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

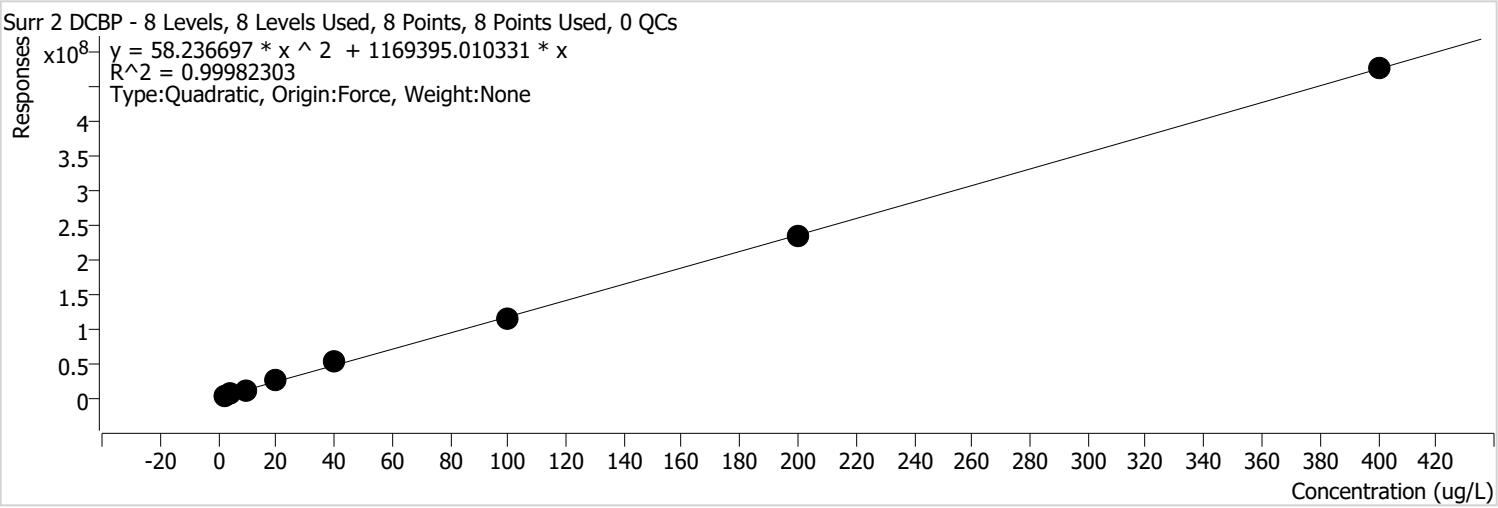
A1254 5 2 %RSE = 14.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	587780	0.0100	58778014.6034	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1251861	0.0200	62593052.6812	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2273246	0.0500	45464920.7455	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	5477425	0.1000	54774254.0032	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	10320059	0.2000	51600296.6787	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	23147064	0.5000	46294128.9996	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	42756438	1.0000	42756437.7267	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	90615453	2.0000	45307726.6005	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

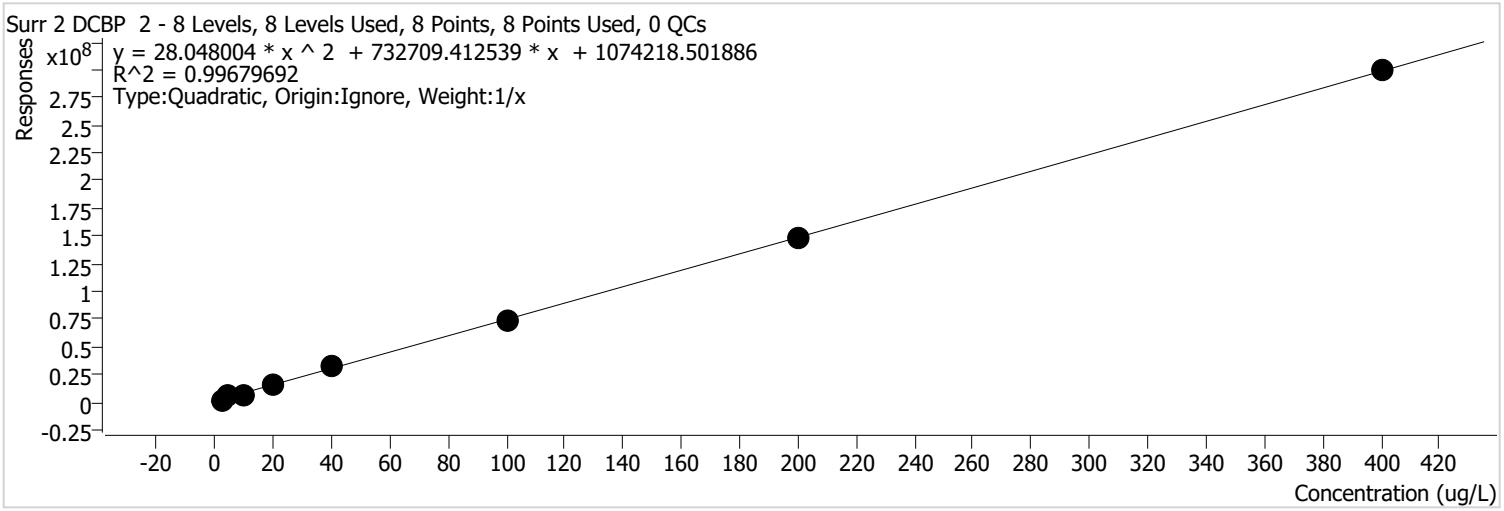
Surr 2 DCBP %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	3183383	2.0000	1591691.4434	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	6037207	4.0000	1509301.7922	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	10717279	10.0000	1071727.9287	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	26213780	20.0000	1310688.9819	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	51148440	40.0000	1278710.9979	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	115483968	100.0000	1154839.6777	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	235688984	200.0000	1178444.9213	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	477283772	400.0000	1193209.4297	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 2 DCBP 2 %RSE =

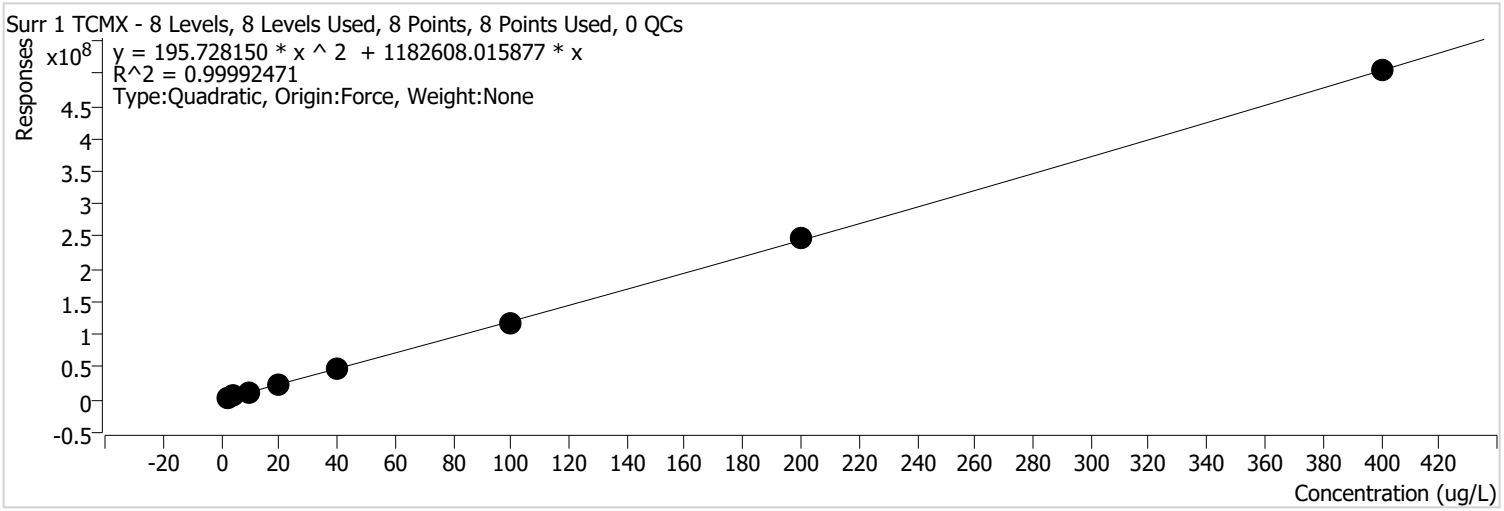


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	2044392	2.0000	1022196.0435	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	5552223	4.0000	1388055.6740	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	6444990	10.0000	644498.9905	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	16188871	20.0000	809443.5344	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	32492648	40.0000	812316.1880	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	73000396	100.0000	730003.9561	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	148348565	200.0000	741742.8246	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	299053711	400.0000	747634.2781	

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:30 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

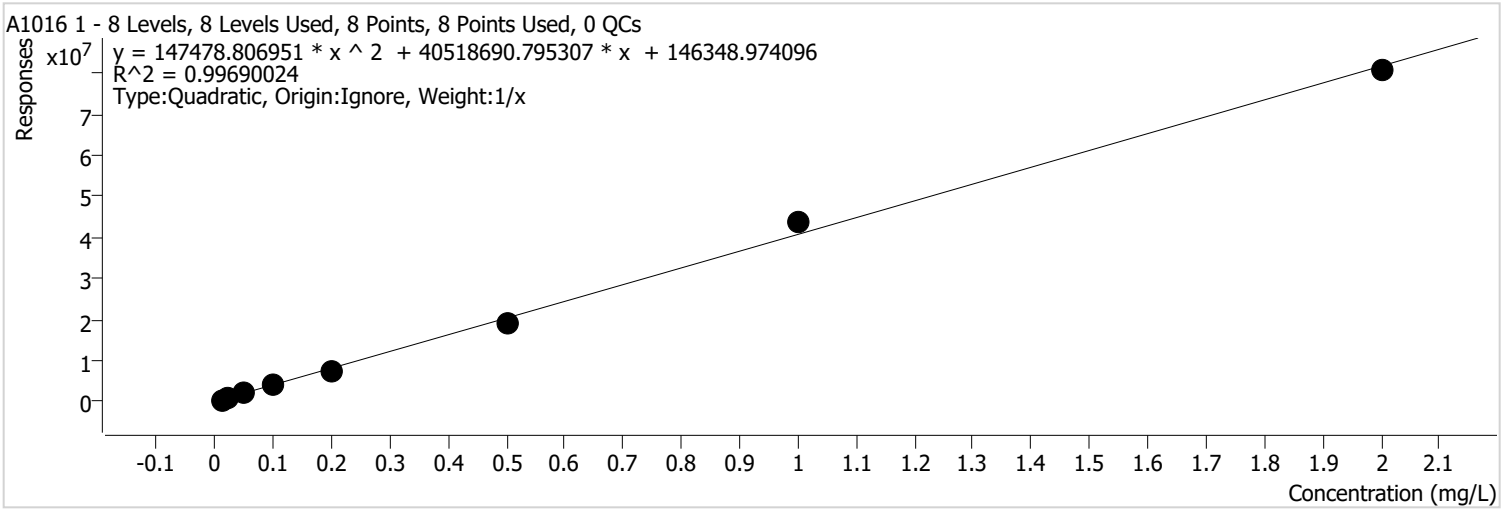
Surr 1 TCMX %RSE = 4.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	2474438	2.0000	1237219.1706	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	4987633	4.0000	1246908.2243	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	12384484	10.0000	1238448.4010	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	24518060	20.0000	1225902.9840	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	45851613	40.0000	1146290.3301	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	117657330	100.0000	1176573.3042	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	246692607	200.0000	1233463.0357	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	503949613	400.0000	1259874.0320	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

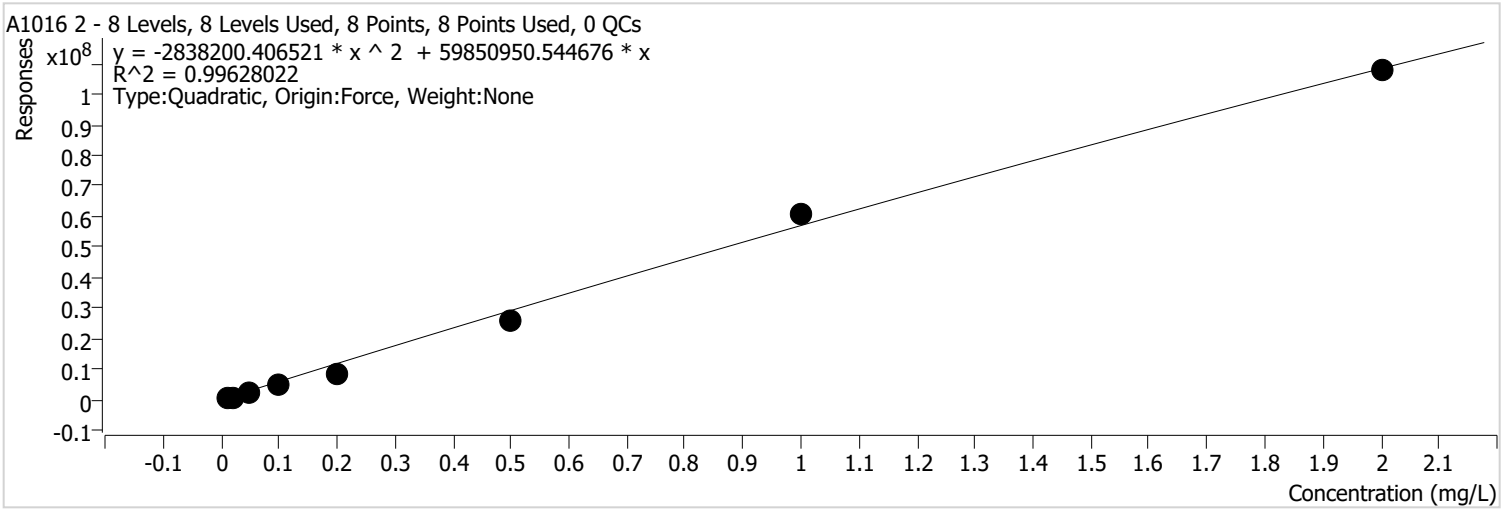
A1016 1 %RSE = 7.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	540249	0.0100	54024874.9832	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1015891	0.0200	50794541.9577	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2256885	0.0500	45137701.9491	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	4236470	0.1000	42364702.3382	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	7565183	0.2000	37825913.9081	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	18919821	0.5000	37839642.8154	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	44011403	1.0000	44011402.5153	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	80619491	2.0000	40309745.2835	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1016 2 %RSE = 18.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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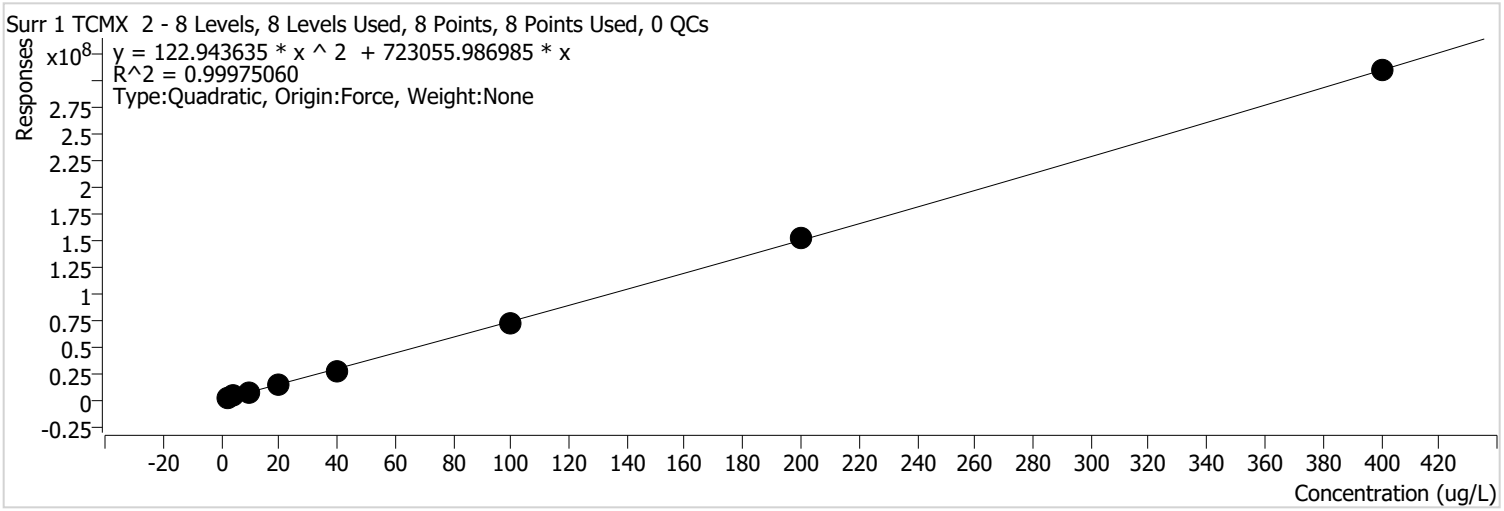
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1009212	0.0200	50460581.6849	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2439382	0.0500	48787633.7407	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5094470	0.1000	50944700.0329	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	8813052	0.2000	44065261.7449	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	25705784	0.5000	51411568.8418	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	60964923	1.0000	60964923.3944	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	107613391	2.0000	53806695.4342	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

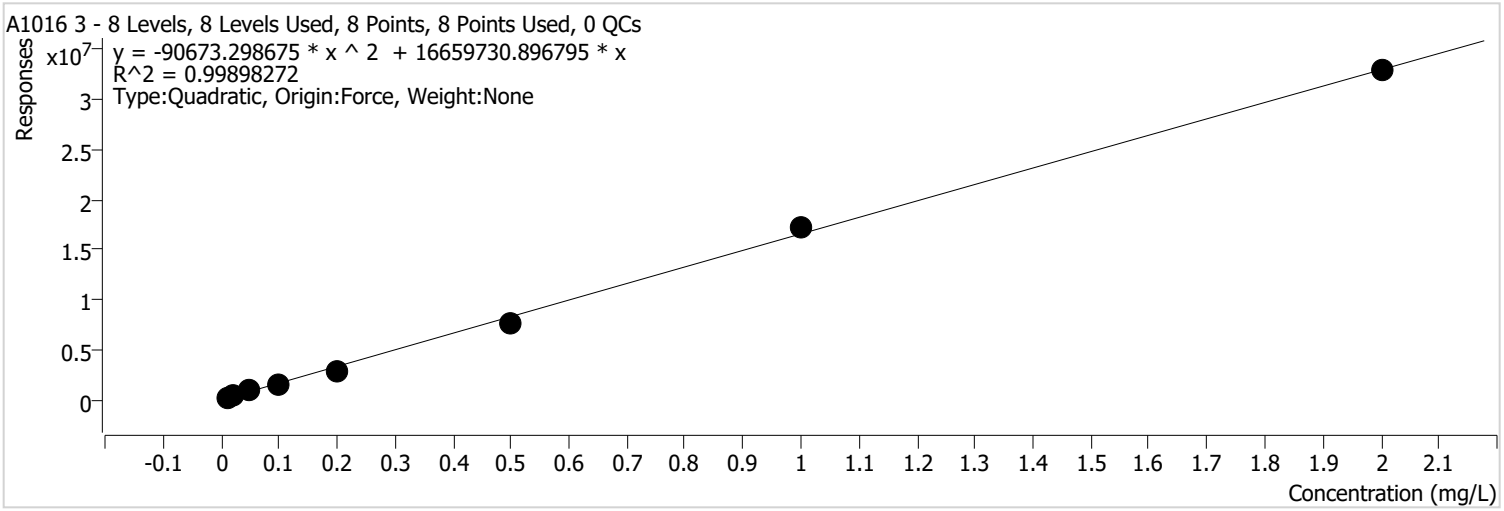
Surr 1 TCMX 2 %RSE = 4.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1503774	2.0000	751887.1802	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	3067405	4.0000	766851.1424	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	7327299	10.0000	732729.8999	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	14477484	20.0000	723874.1895	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	27169955	40.0000	679248.8664	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	70673943	100.0000	706739.4275	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	152366404	200.0000	761832.0216	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	308382330	400.0000	770955.8244	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

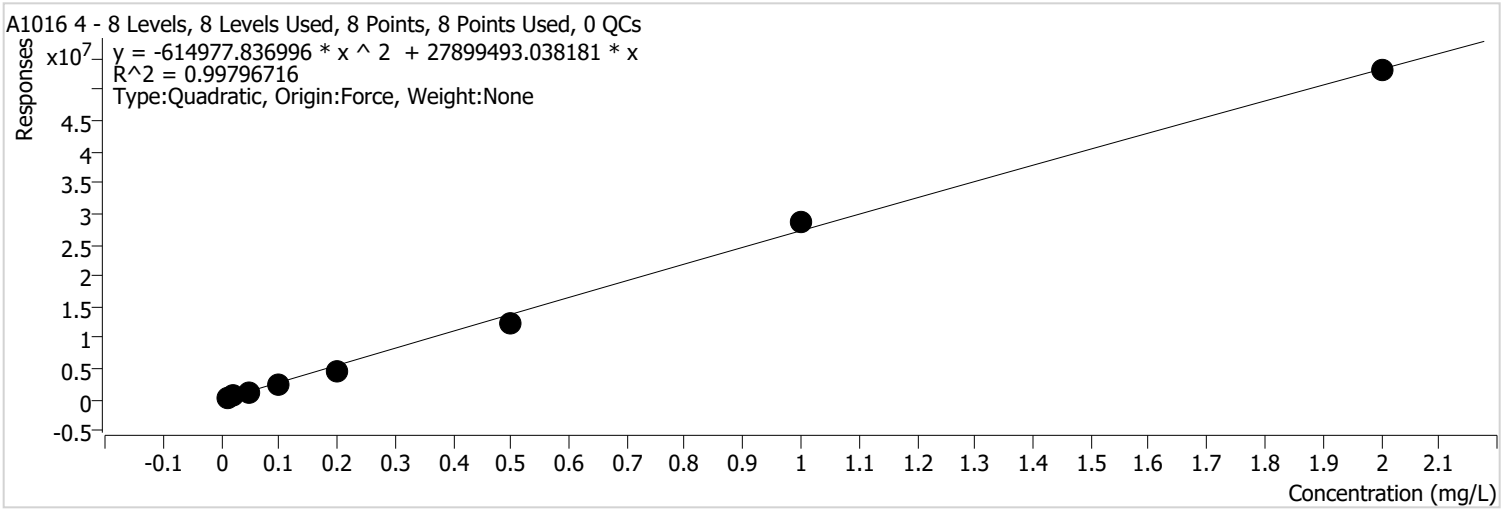
A1016 3 %RSE = 9.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	150518	0.0100	15051764.4428	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	347023	0.0200	17351127.6415	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	891972	0.0500	17839430.6314	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1592932	0.1000	15929318.1107	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	2808702	0.2000	14043512.2787	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	7760432	0.5000	15520863.4808	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	17173897	1.0000	17173896.8888	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	32845070	2.0000	16422535.0625	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1016 4 %RSE = 9.8

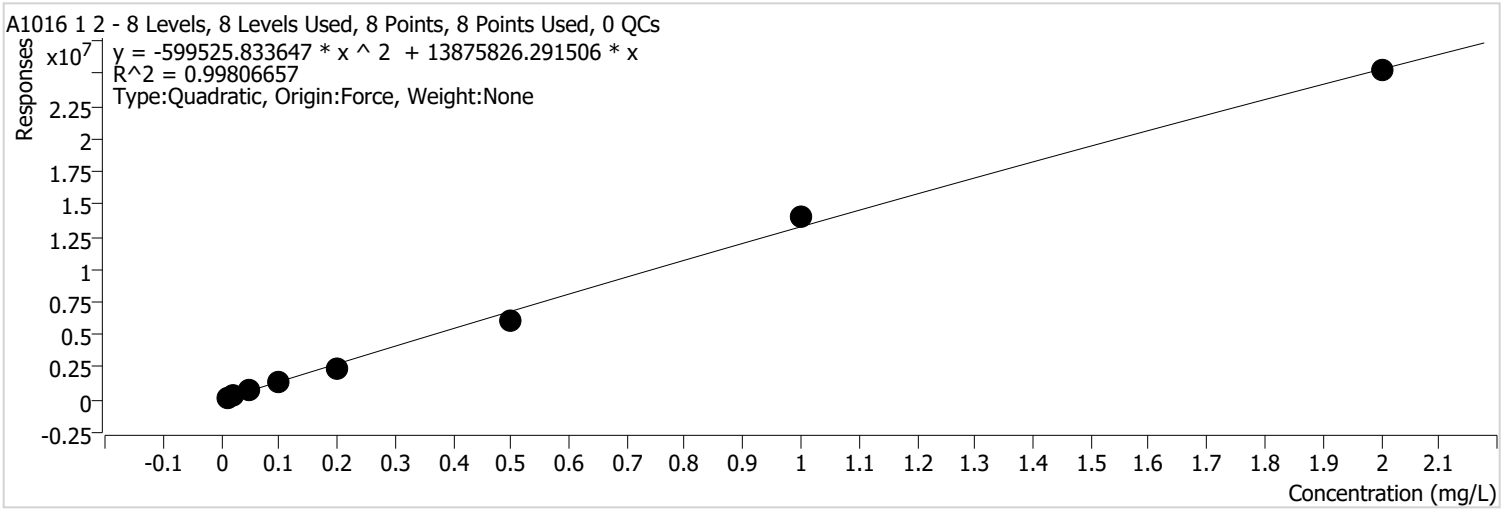


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	264805	0.0100	26480526.0256	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	561269	0.0200	28063472.0185	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1342581	0.0500	26851617.8650	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2651472	0.1000	26514719.9651	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	4621923	0.2000	23109614.1009	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	12370922	0.5000	24741844.6725	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	28719583	1.0000	28719582.8557	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	53079072	2.0000	26539535.8344	

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

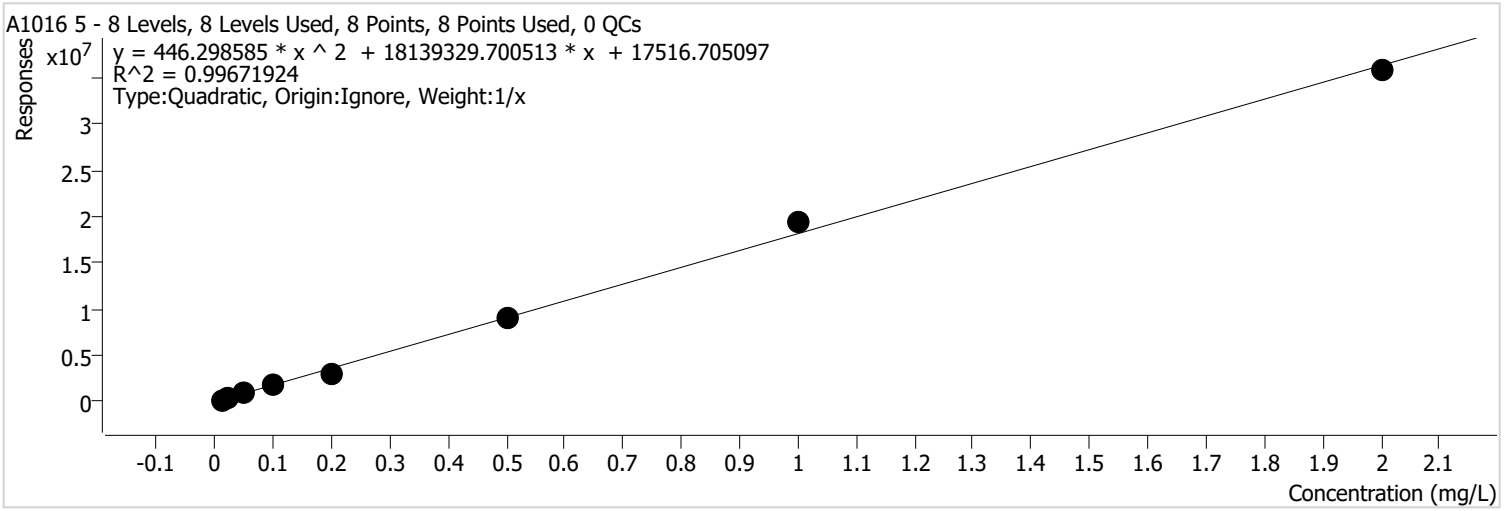
A1016 1 2 %RSE = 12.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	118129	0.0100	11812870.0000	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	244314	0.0200	12215704.7390	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	698533	0.0500	13970657.9333	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1290690	0.1000	12906899.7625	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	2386611	0.2000	11933056.9827	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	6093266	0.5000	12186532.2497	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	13946998	1.0000	13946997.5693	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	25233171	2.0000	12616585.3501	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

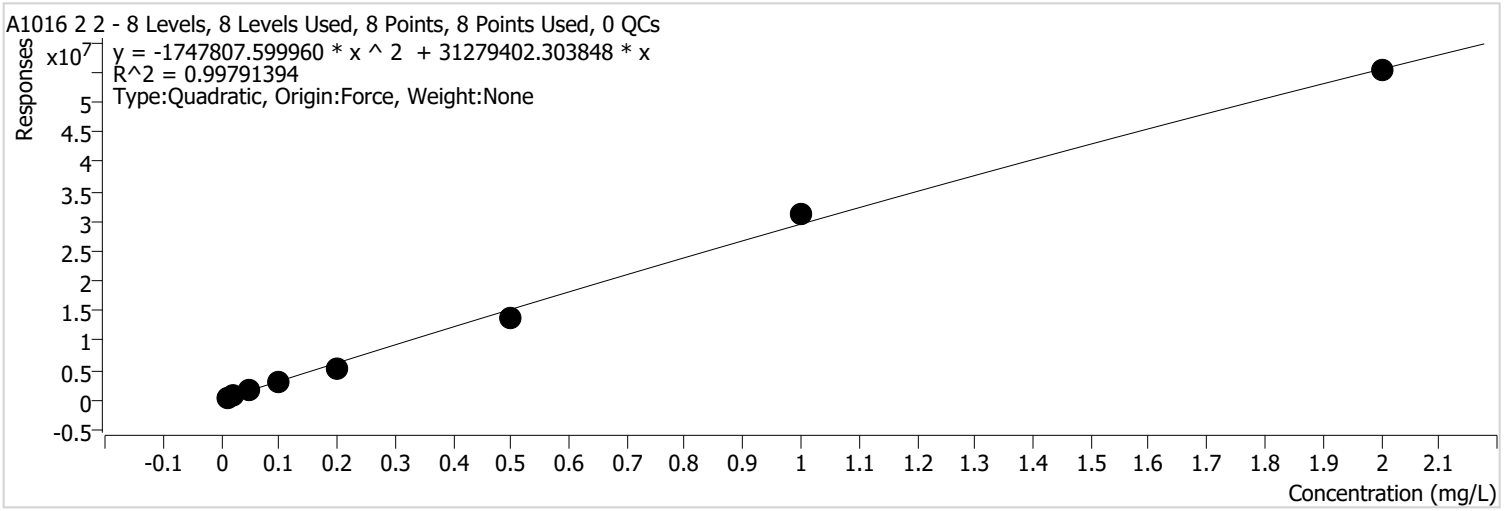
A1016 5 %RSE = 11.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	228423	0.0100	22842325.0434	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	385241	0.0200	19262071.5594	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	918195	0.0500	18363893.8530	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1732271	0.1000	17322706.8867	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	3056648	0.2000	15283237.9293	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	9003701	0.5000	18007401.7278	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	19474641	1.0000	19474641.2200	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	35723980	2.0000	17861989.9337	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

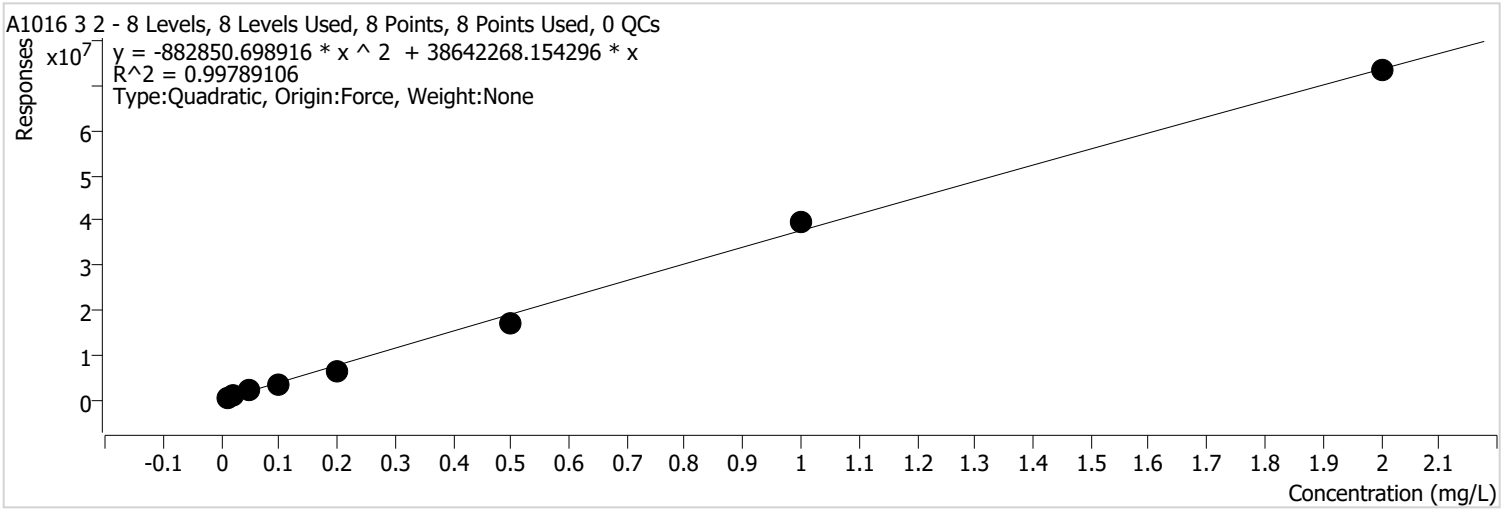
A1016 2 2 %RSE = 14.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	386077	0.0100	38607675.4343	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	627581	0.0200	31379063.7233	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1483941	0.0500	29678813.0000	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2919339	0.1000	29193390.2500	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	5269785	0.2000	26348922.8750	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	13662960	0.5000	27325920.0000	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	31058385	1.0000	31058384.5500	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	55291798	2.0000	27645899.2000	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

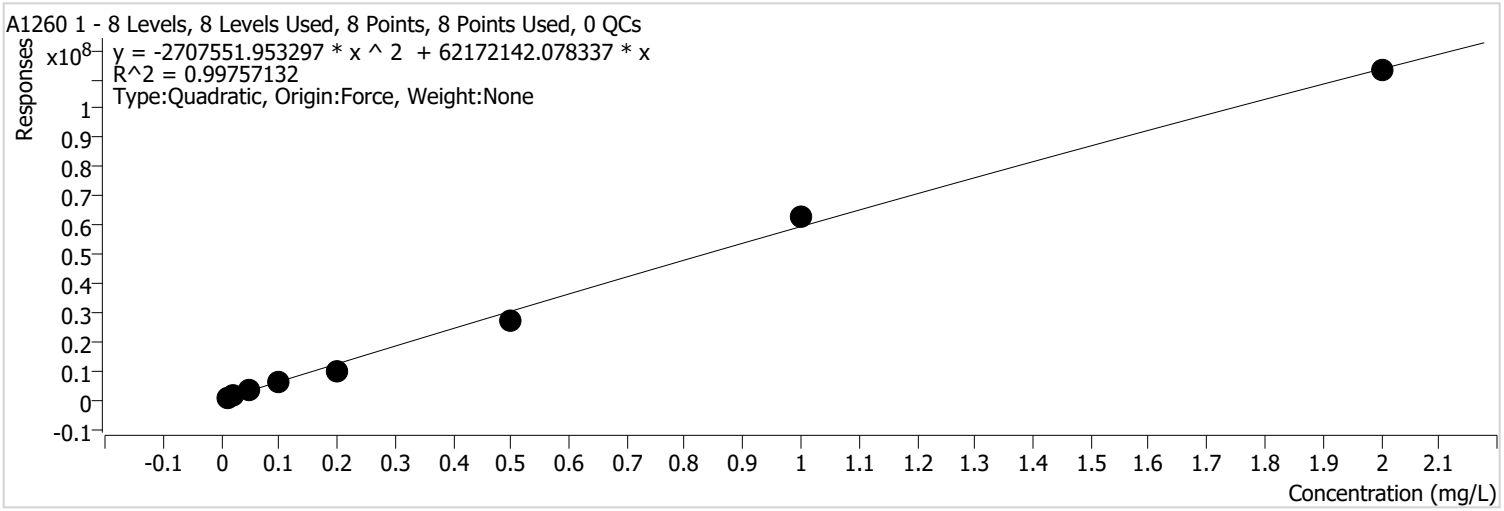
A1016 3 2 %RSE = 18.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	513215	0.0100	51321501.3373	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	851252	0.0200	42562596.9827	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1903978	0.0500	38079559.5011	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	3656426	0.1000	36564258.7508	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	6436607	0.2000	32183034.3425	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	17061022	0.5000	34122044.0001	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	39776008	1.0000	39776007.7546	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	73389516	2.0000	36694758.1582	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

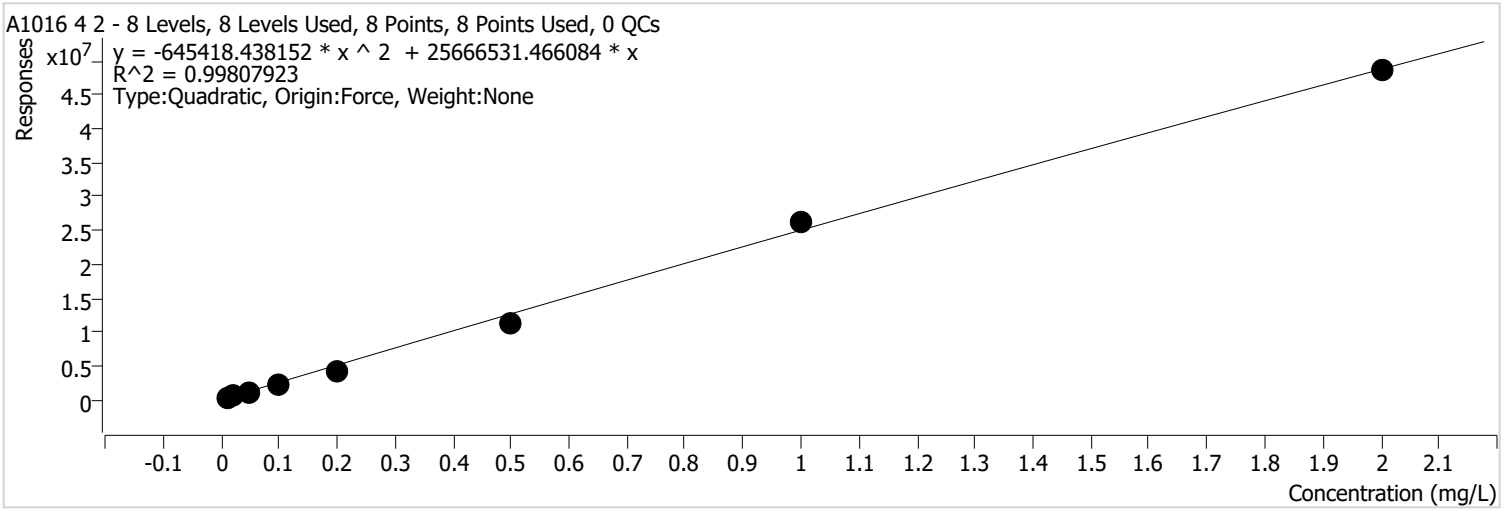
A1260 1 %RSE = 10.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	616855	0.0100	61685464.6166	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1228008	0.0200	61400419.3559	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2966130	0.0500	59322605.6706	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5874542	0.1000	58745416.6504	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	9863955	0.2000	49319772.7881	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	27258601	0.5000	54517202.8499	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	62787763	1.0000	62787762.9214	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	112905692	2.0000	56452845.7869	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

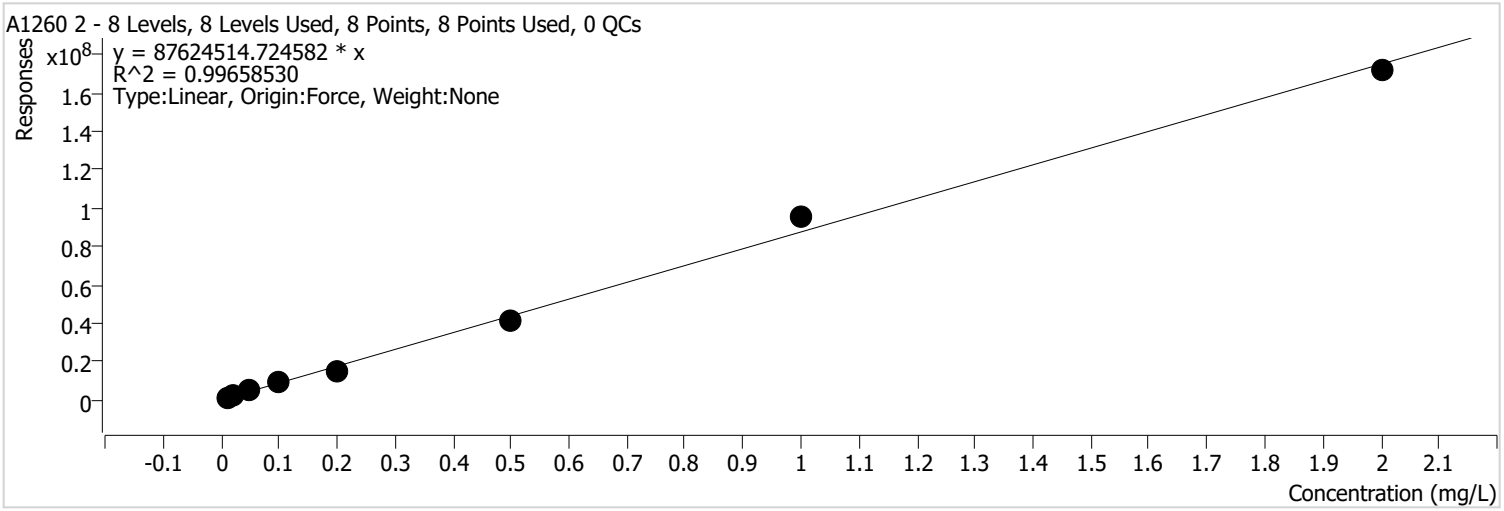
A1016 4 2 %RSE = 12.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	227079	0.0100	22707914.1335	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	461159	0.0200	23057966.0740	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1204375	0.0500	24087492.4589	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2346306	0.1000	23463058.8477	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	4314034	0.2000	21570168.5271	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	11406542	0.5000	22813084.7129	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	26306607	1.0000	26306607.1293	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	48517625	2.0000	24258812.3796	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

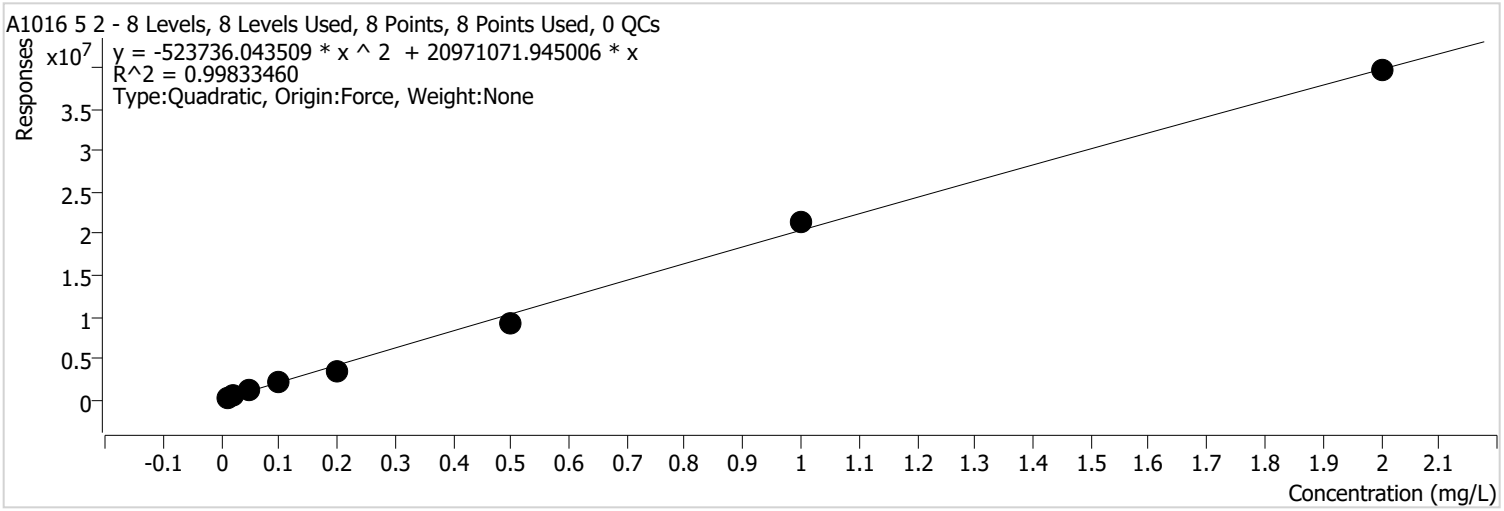
A1260 2 %RSE = 8.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	965094	0.0100	96509437.2949	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1927415	0.0200	96370772.9265	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	4578738	0.0500	91574756.2738	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	8884910	0.1000	88849103.4044	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	15527304	0.2000	77636521.9623	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	41930524	0.5000	83861047.8932	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	95966340	1.0000	95966339.7632	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	171735056	2.0000	85867527.9480	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

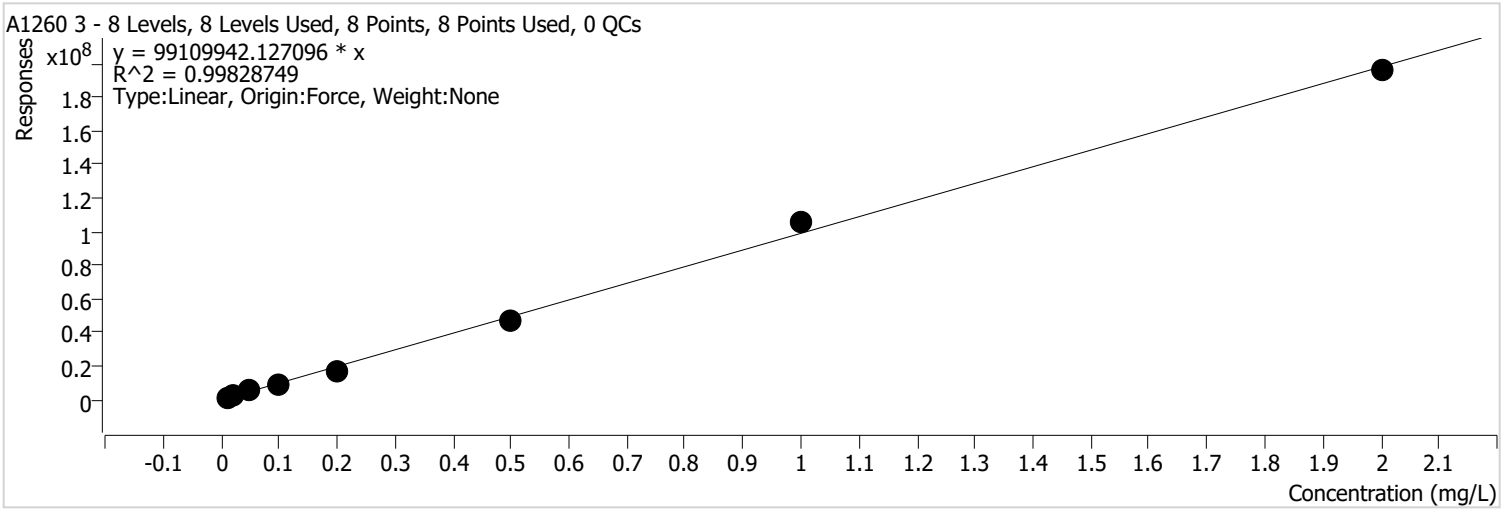
A1016 5 2 %RSE = 8.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	213435	0.0100	21343518.4290	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	418158	0.0200	20907922.1111	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1079679	0.0500	21593582.7422	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2073012	0.1000	20730121.4273	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	3579738	0.2000	17898689.6690	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	9357938	0.5000	18715876.9715	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	21408890	1.0000	21408890.3534	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	39675065	2.0000	19837532.3619	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

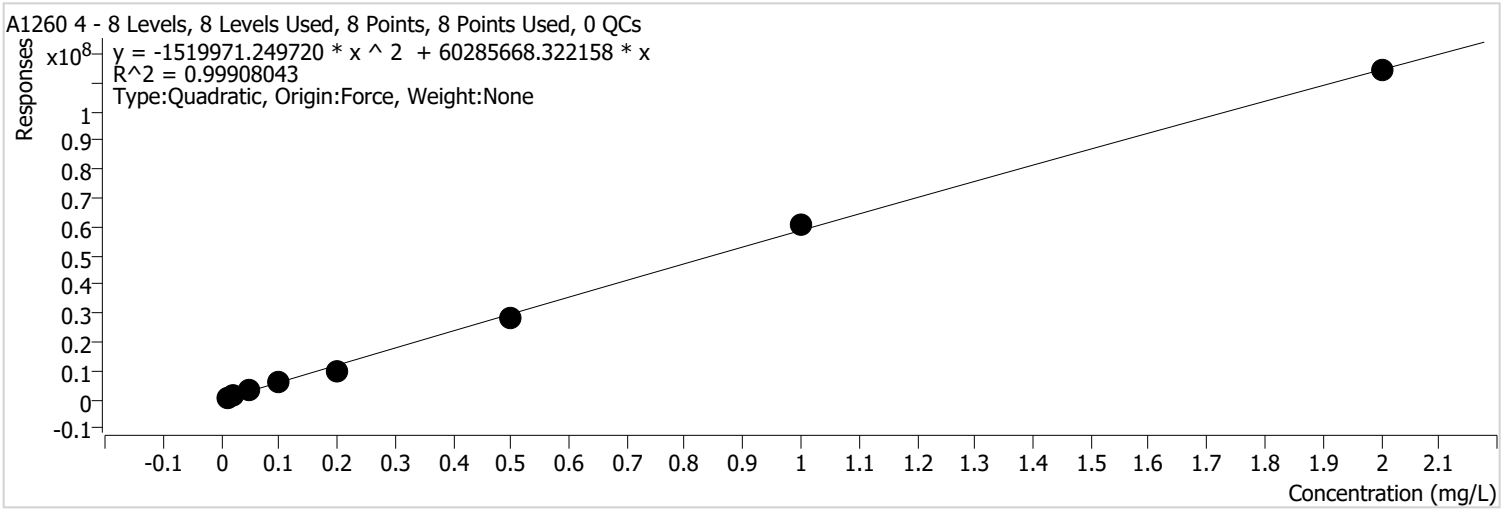
A1260 3 %RSE = 6.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1006370	0.0100	10063696 4.8941	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	2025009	0.0200	10125044 5.0070	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	5089679	0.0500	10179358 5.3517	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	9682808	0.1000	96828080 .5000	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	17319134	0.2000	86595671 .7116	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	47340623	0.5000	94681245 .5228	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	105501165	1.0000	10550116 5.3579	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	195835695	2.0000	97917847 .7125	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

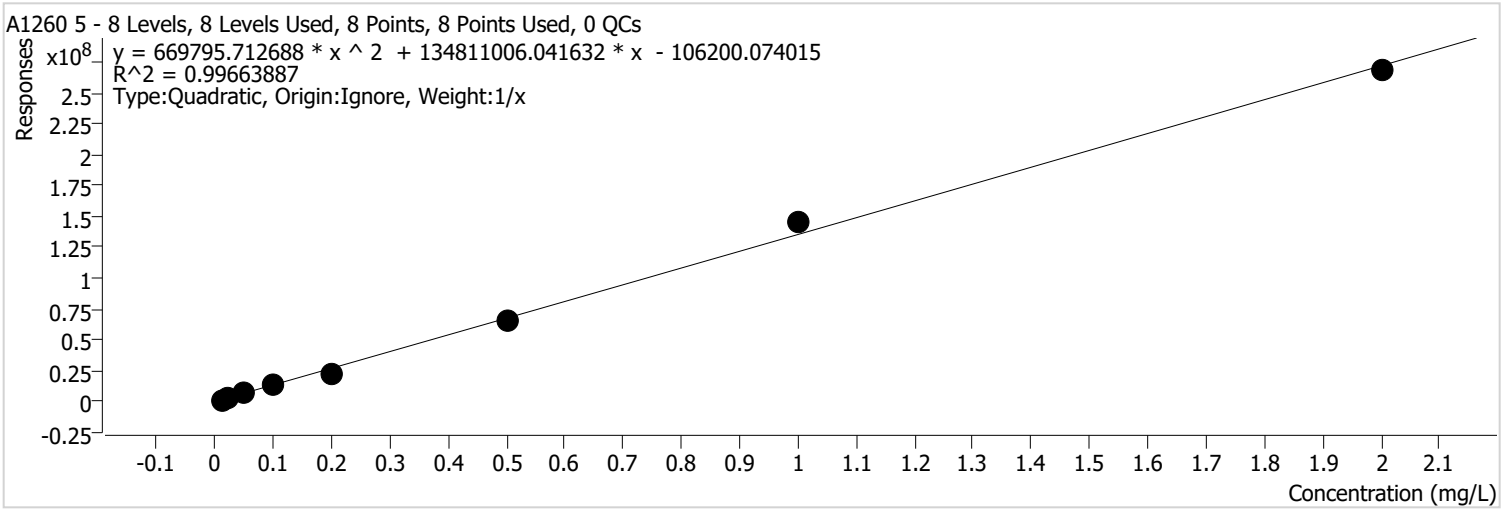
A1260 4 %RSE = 8.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	558458	0.0100	55845836.2392	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1195363	0.0200	59768143.7500	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2982536	0.0500	59650712.0000	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5929847	0.1000	59298469.0000	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	10045708	0.2000	50228539.9302	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	28118115	0.5000	56236229.7100	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	60721328	1.0000	60721327.6667	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	114125074	2.0000	57062537.0097	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

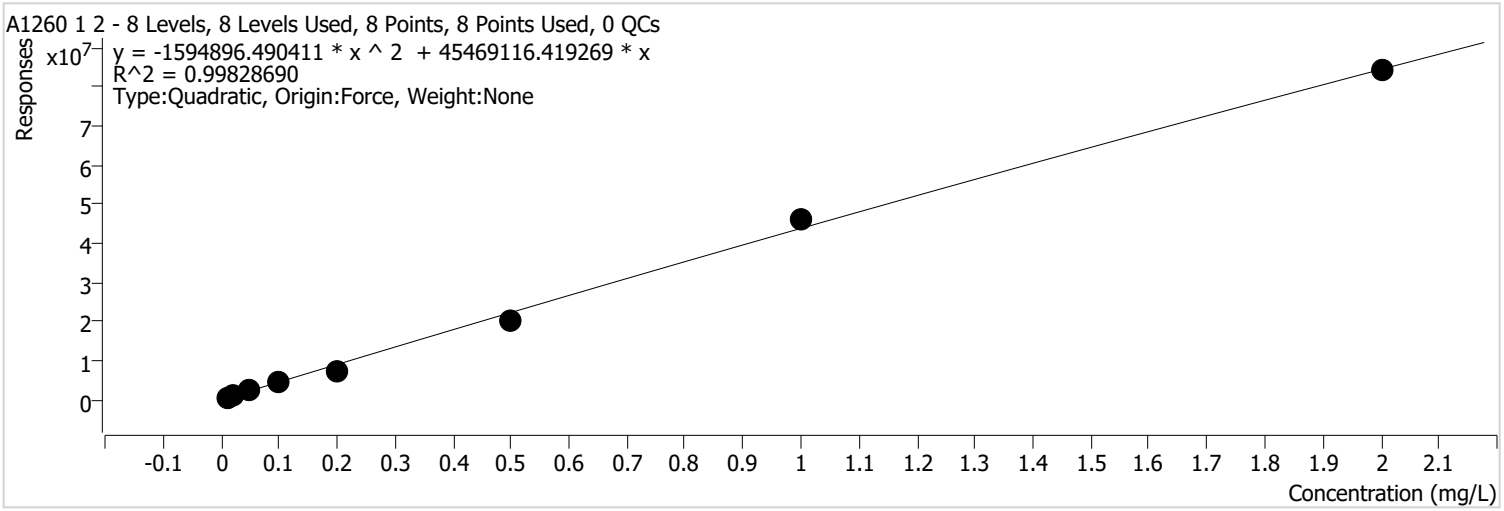
A1260 5 %RSE = 9.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1257434	0.0100	12574340 8.8116	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	2859327	0.0200	14296634 8.5981	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	6668126	0.0500	13336252 4.9736	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	13609710	0.1000	13609709 6.0557	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	22640017	0.2000	11320008 5.6770	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	65007120	0.5000	13001423 9.7761	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	145641580	1.0000	14564158 0.1325	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	268085715	2.0000	13404285 7.7217	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

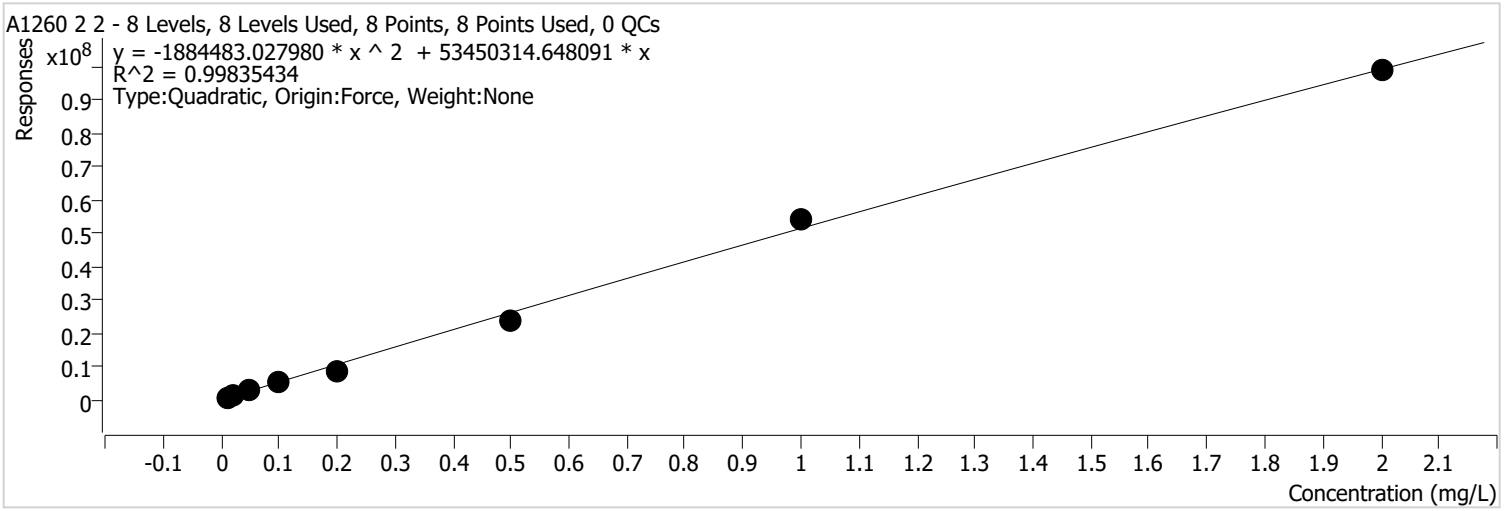
A1260 1 2 %RSE = 9.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	454898	0.0100	45489785.8995	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	962199	0.0200	48109947.6069	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2229708	0.0500	44594160.3693	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	4429510	0.1000	44295098.2366	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	7527890	0.2000	37639448.8096	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	20330660	0.5000	40661319.0826	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	45939899	1.0000	45939899.0049	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	84182845	2.0000	42091422.5107	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

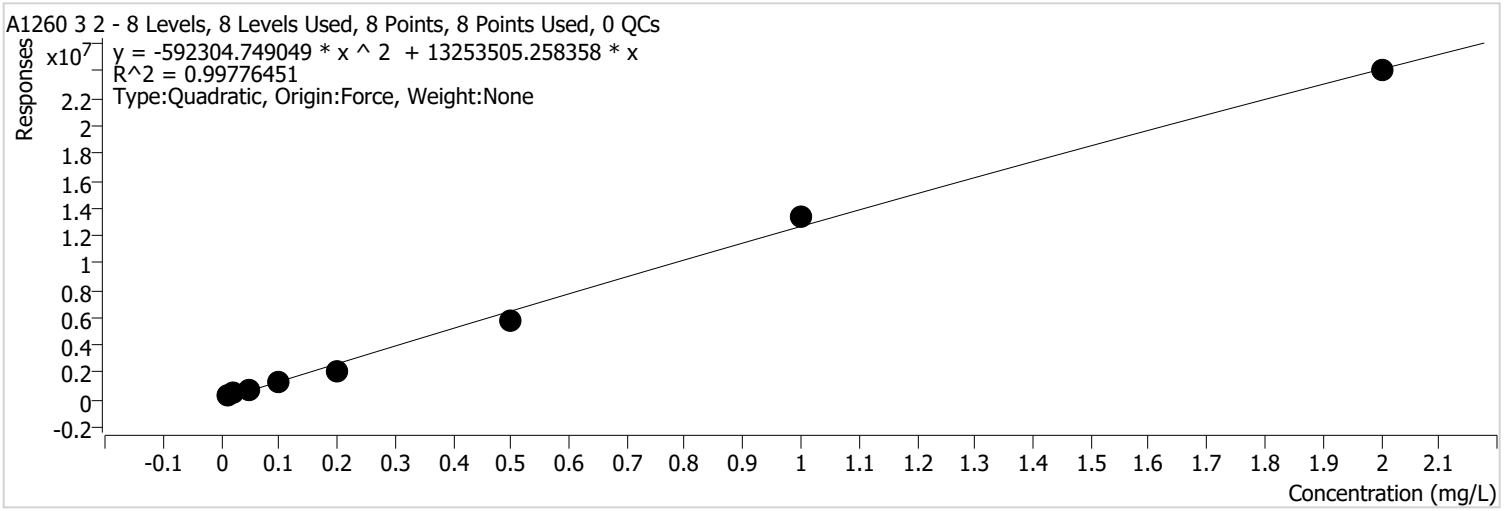
A1260 2 2 %RSE = 10.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	574088	0.0100	57408781.4850	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1191845	0.0200	59592268.6636	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2696925	0.0500	53938500.8158	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5272622	0.1000	52726215.2110	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	8812576	0.2000	44062878.0157	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	23979917	0.5000	47959834.1116	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	53921832	1.0000	53921832.4939	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	98933953	2.0000	49466976.4371	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

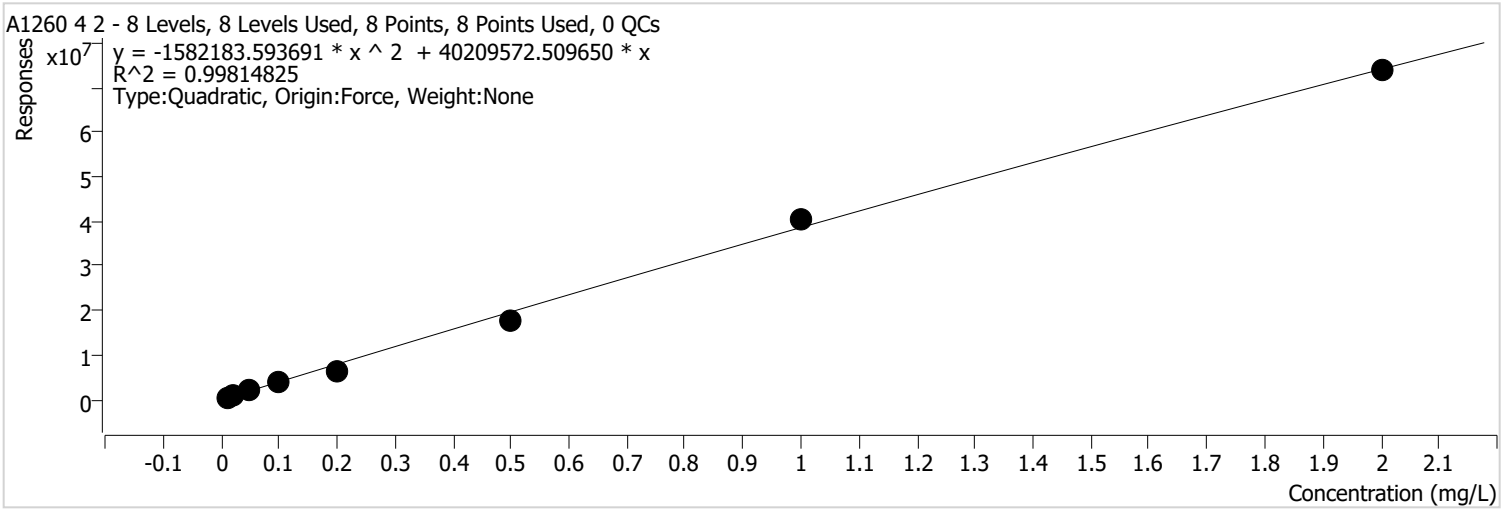
A1260 3 2 %RSE = 63.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	279268	0.0100	27926845.2679	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	488073	0.0200	24403625.6571	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	627223	0.0500	12544455.7110	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1263999	0.1000	12639986.8594	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	2162254	0.2000	10811270.6137	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	5839826	0.5000	11679651.4646	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	13309733	1.0000	13309732.5095	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	24020368	2.0000	12010184.0239	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

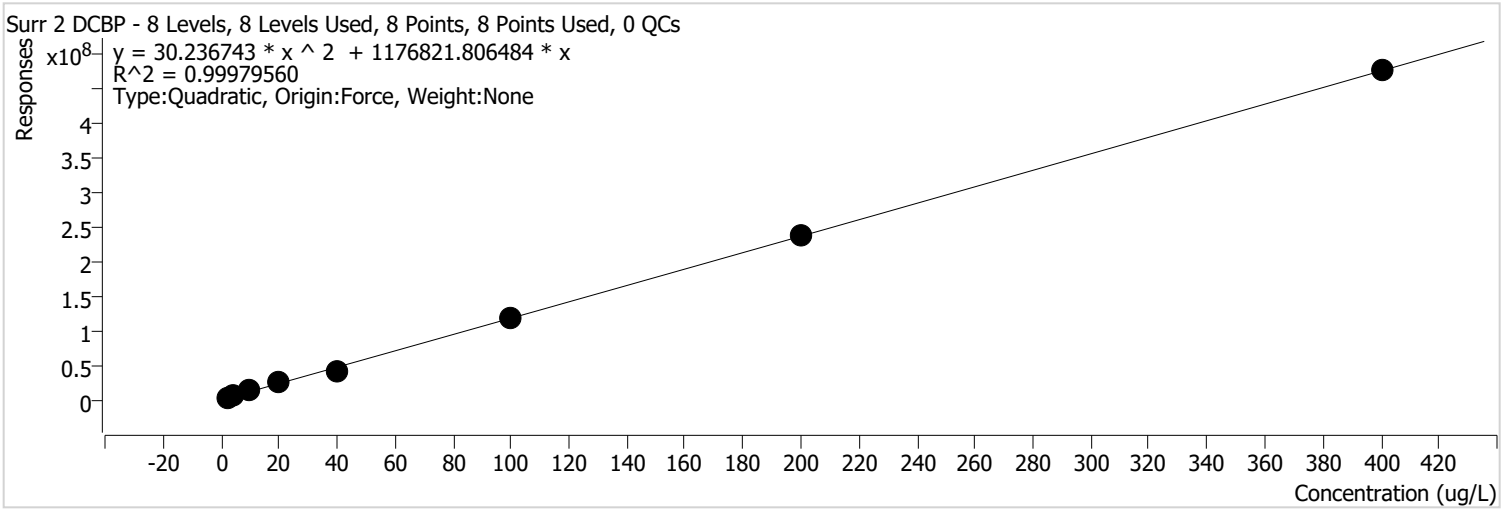
A1260 4 2 %RSE = 10.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	399874	0.0100	39987371.3445	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	817063	0.0200	40853155.1739	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1956455	0.0500	39129099.9081	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	3900081	0.1000	39000814.0881	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	6435840	0.2000	32179198.0000	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	17999271	0.5000	35998541.8783	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	40489618	1.0000	40489617.6979	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	73747447	2.0000	36873723.5210	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 2 DCBP %RSE = 17.3

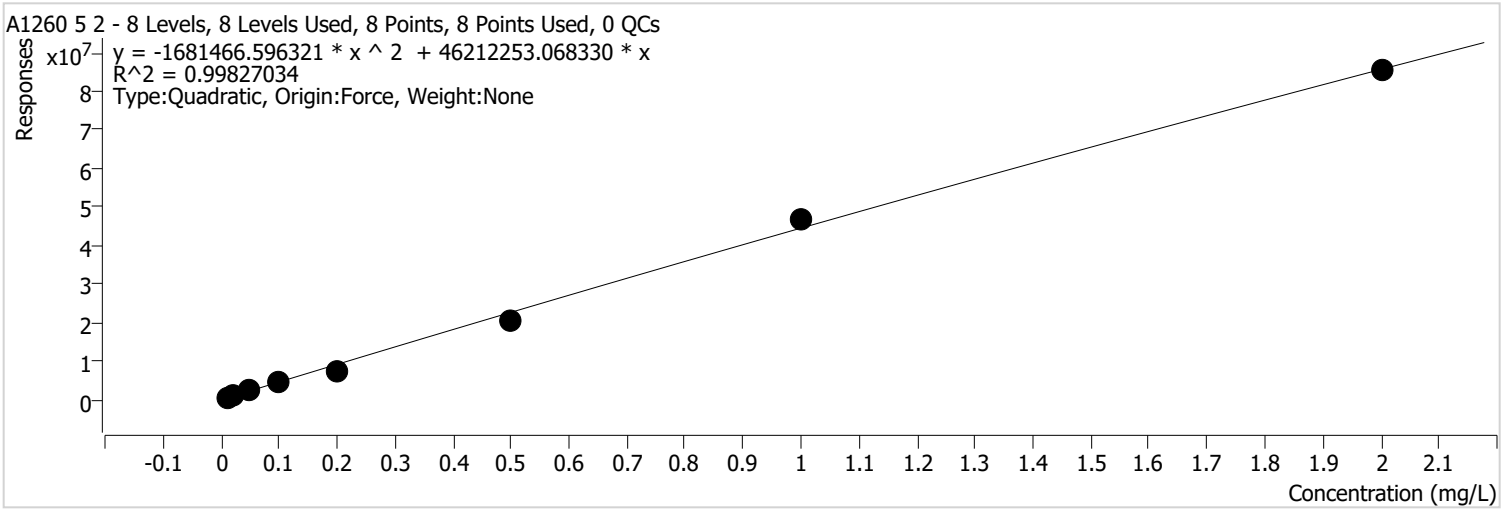


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	2835631	2.0000	1417815.4750	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	5817839	4.0000	1454459.7125	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	13631698	10.0000	1363169.7908	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	26596560	20.0000	1329827.9919	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	42559761	40.0000	1063994.0220	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	119959526	100.0000	1199595.2593	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	235920666	200.0000	1179603.3313	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	475643166	400.0000	1189107.9138	

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

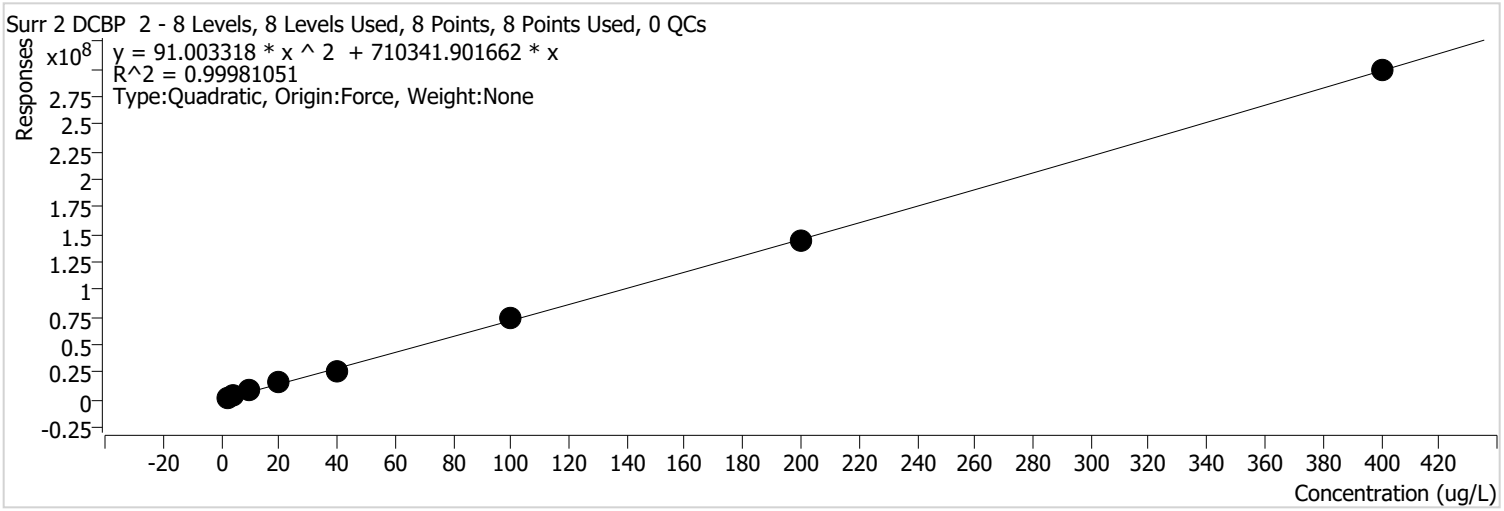
A1260 5 2 %RSE = 9.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	451222	0.0100	45122185.3248	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	939333	0.0200	46966672.7422	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2281184	0.0500	45623673.9193	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	4526047	0.1000	45260473.1199	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	7518618	0.2000	37593090.3608	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	20721889	0.5000	41443778.3307	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	46616994	1.0000	46616994.0487	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	85316606	2.0000	42658302.9412	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 2 DCBP 2 %RSE = 15.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1684288	2.0000	842143.9444	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	3386402	4.0000	846600.5281	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	8128369	10.0000	812836.8712	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	15858823	20.0000	792941.1733	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	25637587	40.0000	640939.6710	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	73246076	100.0000	732460.7624	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	145351163	200.0000	726755.8147	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	298729745	400.0000	746824.3635	

Zq 8/31/9/30/21

PCB Calibration

Date: 09/30/21

Analyst: Sam Beerman

Hexane: 5931

Cal		ICV	
Aroclor 1660:	25029	Aroclor 1660:	24706
Aroclor 1254:	23466	Aroclor 1254:	24708

Surrogate: 25760

Spike Conc. (ppb)	Surr Conc. (ppb)	2° Spike (uL)	1° Spike (uL)	Surr (uL)	Remove (uL)	Final Vol. (mL)	Comments
10	2	5	--	--	5	1	
20	4	10	--	--	10	1	
50	10	25	--	--	25	1	
100	20	50	--	--	50	1	
200	40	100	--	--	100	1	
500	100	250	--	--	250	1	
1000	200	--	1	10	2 11	1	SM 9/30/21
2000	400	--	2	20	4 22	1	SM 9/30/21
ICB	200	--	--	10	10	1	
ICV (1000 ppb)	200	--	1	10	2 11	1	SM 9/30/21

	1660 (uL)	1254 (uL)	Surr (uL)	Final Volume (mL)
2° Intermediate (1660)	2	--	2	1
2° Intermediate (1254)	--	2	2	1

Signature and Date: 9/30/21

Signature: EM

DATA SET for Review -- Deliverable Requirements

Total Metals by EPA Method 6020B

Fremont Analytical Work Order No. 2110251

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\102121eh\
Report Date/Time: Friday, October 22, 2021 08:40:36

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	WASH	08:33:05 Thu 21-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	WASH	08:38:39 Thu 21-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	BLANK	08:45:50 Thu 21-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	RINSE	08:52:08 Thu 21-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	RINSE	08:54:11 Thu 21-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	BLANK	08:56:13 Thu 21-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	RINSE	09:04:12 Thu 21-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	RINSE	09:06:14 Thu 21-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	RINSE	09:08:16 Thu 21-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	RINSE	09:10:18 Thu 21-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	BLANK	09:12:20 Thu 21-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	RINSE	09:15:25 Thu 21-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	RINSE	09:17:27 Thu 21-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	RINSE	09:19:30 Thu 21-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	CAL BLK IS 23514	09:22:19 Thu 21-O	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	Standard 1	09:24:21 Thu 21-O	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	Standard 2	09:26:23 Thu 21-O	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	Standard 3	09:28:25 Thu 21-O	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	Standard 4	09:30:27 Thu 21-O	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	Standard 5	09:32:29 Thu 21-O	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	Standard 6	09:34:31 Thu 21-O	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	Standard 7	09:36:33 Thu 21-O	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	Standard 8	09:38:35 Thu 21-O	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	WASH	09:40:38 Thu 21-O	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	ICB	09:42:41 Thu 21-O	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	ICV	09:44:43 Thu 21-O	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	WASH	09:46:45 Thu 21-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
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	LCS-34114	09:55:40 Thu 21-O	Sample	C:\Users\Public\DocumLCS,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10212
	2110270-001A	09:57:42 Thu 21-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10212
	2110270-001ADUP	09:59:44 Thu 21-O	Sample	C:\Users\Public\DocumDUP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10212
	2110270-001AMS	10:01:46 Thu 21-O	Sample	C:\Users\Public\DocumMS,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10212
	2110270-001AMSD	10:03:48 Thu 21-O	Sample	C:\Users\Public\DocumMSD,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10212
	2110270-002A	10:05:50 Thu 21-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10212
	2110288-001A	10:07:52 Thu 21-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10212
	2110010-030A	10:09:54 Thu 21-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10212
	2110010-030A	10:11:56 Thu 21-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10212
	CCV	10:13:59 Thu 21-O	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	CCB	10:16:02 Thu 21-O	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212	
	2110236-001A	10:18:04 Thu 21-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10212
	2110244-001A	10:20:06 Thu 21-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-DW	gistix\ICPMS\DataSet\Oct2021\10212
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WASH	12:00:22 Thu 21-OSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
WASH	12:05:56 Thu 21-OSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
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WASH	12:17:04 Thu 21-OSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
WASH	12:22:38 Thu 21-OSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
WASH	12:44:20 Thu 21-OSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
CAL BLK IS 23514	12:47:39 Thu 21-OBlank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
Standard 1	12:49:59 Thu 21-OStandard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
Standard 2	12:52:18 Thu 21-OStandard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
Standard 3	12:54:38 Thu 21-OStandard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
Standard 4	12:56:57 Thu 21-OStandard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
Standard 5	12:59:16 Thu 21-OStandard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
Standard 6	13:01:36 Thu 21-OStandard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
Standard 7	13:03:55 Thu 21-OStandard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
Standard 8	13:06:15 Thu 21-OStandard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
WASH	13:08:35 Thu 21-OQC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
ICB	13:10:55 Thu 21-OQC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
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ICSA	13:22:25 Thu 21-OSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
LDR	13:24:45 Thu 21-OSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
WASH	13:27:06 Thu 21-OSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
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MB-34102	13:33:21 Thu 21-OSample	C:\Users\Public\DocumMBLK,M-6020-S gistix\ICPMS\DataSet\Oct2021\10212
LCS-34102	13:35:40 Thu 21-OSample	C:\Users\Public\DocumLCS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10212
2110251-002A	13:38:00 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10212
2110251-002ADIL	13:40:19 Thu 21-OSample	C:\Users\Public\DocumSD,M-6020-S gistix\ICPMS\DataSet\Oct2021\10212
2110251-002AMS	13:42:38 Thu 21-OSample	C:\Users\Public\DocumMS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10212
2110251-002AMSD	13:44:58 Thu 21-OSample	C:\Users\Public\DocumMSD,M-6020-S gistix\ICPMS\DataSet\Oct2021\10212
2110251-002APDS	13:47:17 Thu 21-OSample	C:\Users\Public\DocumPDS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10212
2110251-001A	13:49:36 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10212
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CCV	13:56:35 Thu 21-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
CCB	13:58:56 Thu 21-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
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2110251-010A	14:10:44 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10212
2110251-011A	14:13:04 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10212
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2110251-013A	14:17:43 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10212
2110251-014A	14:20:02 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10212
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CCB	14:27:01 Thu 21-O	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
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2110249-001A	14:34:55 Thu 21-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\Oct2021\10212
2110265-001A	14:37:15 Thu 21-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\Oct2021\10212
WASH	14:39:35 Thu 21-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
CCV	14:43:26 Thu 21-O	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
CCB	14:45:46 Thu 21-O	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
CCV	14:49:53 Thu 21-O	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
CCB	14:52:13 Thu 21-O	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
MB-34113	14:57:58 Thu 21-O	Sample	C:\Users\Public\DocumMBLK,M-200.8-T _ gistix\ICPMS\DataSet\Oct2021\10212
LCS-34113	15:00:17 Thu 21-O	Sample	C:\Users\Public\DocumLCS,M-200.8-T _ gistix\ICPMS\DataSet\Oct2021\10212
2110283-002A	15:02:37 Thu 21-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\Oct2021\10212
2110283-002ADUP	15:04:56 Thu 21-O	Sample	C:\Users\Public\DocumDUP,M-200.8-T _ gistix\ICPMS\DataSet\Oct2021\10212
2110283-002AMS	15:07:15 Thu 21-O	Sample	C:\Users\Public\DocumMS,M-200.8-T _ gistix\ICPMS\DataSet\Oct2021\10212
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BLANK	15:17:07 Thu 21-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
2110283-001A 5X	15:20:41 Thu 21-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\Oct2021\10212
2110283-001ADUP 5	15:23:00 Thu 21-O	Sample	C:\Users\Public\DocumDUP,M-200.8-T _ gistix\ICPMS\DataSet\Oct2021\10212
2110283-001AMS 5X	15:25:20 Thu 21-O	Sample	C:\Users\Public\DocumMS,M-200.8-T _ gistix\ICPMS\DataSet\Oct2021\10212
CCV	15:27:40 Thu 21-O	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
CCB	15:30:00 Thu 21-O	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
CCV	15:34:53 Thu 21-O	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
CCB	15:37:13 Thu 21-O	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
2110270-001A 1000X	15:50:47 Thu 21-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\Oct2021\10212
2110270-002A 1000X	15:53:07 Thu 21-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\Oct2021\10212
2110270-003A 1000X	15:55:26 Thu 21-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\Oct2021\10212
CCV	15:57:46 Thu 21-O	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
CCB	16:00:06 Thu 21-O	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
WASH	16:07:32 Thu 21-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
CAL BLK IS 23514	16:12:06 Thu 21-O	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
Standard 1	16:17:41 Thu 21-O	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
Standard 2	16:23:14 Thu 21-O	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
Standard 3	16:28:48 Thu 21-O	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
Standard 4	16:34:22 Thu 21-O	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
Standard 5	16:39:56 Thu 21-O	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
Standard 6	16:45:30 Thu 21-O	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
Standard 7	16:51:04 Thu 21-O	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
Standard 8	16:56:39 Thu 21-O	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
WASH	17:02:14 Thu 21-O	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
ICB	17:07:48 Thu 21-O	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
ICV	17:13:22 Thu 21-O	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
WASH	17:18:56 Thu 21-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
ICSA	17:24:31 Thu 21-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
WASH	17:30:06 Thu 21-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
WASH	17:35:40 Thu 21-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
MB-34100	17:41:15 Thu 21-O	Sample	C:\Users\Public\DocumMBLK,M-TCLP _ gistix\ICPMS\DataSet\Oct2021\10212
LCS-34100	17:46:50 Thu 21-O	Sample	C:\Users\Public\DocumLCS,M-TCLP _ gistix\ICPMS\DataSet\Oct2021\10212
2110260-001A 10X	17:52:25 Thu 21-O	Sample	C:\Users\Public\DocumSAMP,C-HARDNESS gistix\ICPMS\DataSet\Oct2021\10212
2110104-001A 2X	17:57:59 Thu 21-O	Sample	C:\Users\Public\DocumSAMP,M-DOD-200.8-T stix\ICPMS\DataSet\Oct2021\10212
2110251-008A 100X	18:03:34 Thu 21-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\Oct2021\10212
CCV	18:09:09 Thu 21-O	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
CCB	18:14:43 Thu 21-O	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
2110265-001A 10X	18:20:18 Thu 21-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S _ gistix\ICPMS\DataSet\Oct2021\10212
WASH	18:25:52 Thu 21-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
MB-34113	18:31:27 Thu 21-O	Sample	C:\Users\Public\DocumMBLK,M-200.8-T _ gistix\ICPMS\DataSet\Oct2021\10212
LCS-34113	18:37:01 Thu 21-O	Sample	C:\Users\Public\DocumLCS,M-200.8-T _ gistix\ICPMS\DataSet\Oct2021\10212
2110282-003B 5X	18:42:35 Thu 21-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-T _ gistix\ICPMS\DataSet\Oct2021\10212
2110282-003BDUP 5X	18:48:09 Thu 21-O	Sample	C:\Users\Public\DocumDUP,M-200.8-T _ gistix\ICPMS\DataSet\Oct2021\10212

2110282-003BMS 5X	18:53:43 Thu 21-OSample	C:\Users\Public\DocumMS,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10212
2110282-004BMSD 5X	18:59:17 Thu 21-OSample	C:\Users\Public\DocumMSD,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10212
2110010-0030E	19:04:52 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10212
2110010-0030E	19:10:26 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10212
CCV	19:16:00 Thu 21-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\Oct2021\10212
CCB	19:21:35 Thu 21-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\Oct2021\10212
2110282-001D	19:27:09 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10212
2110019-005A	19:32:43 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10212
2110271-001A	19:38:17 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10212
2110271-002A	19:43:52 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10212
2110272-001B	19:49:26 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10212
2110276-001A 2X	19:55:00 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10212
2110280-001B 5X	20:00:34 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10212
2110280-002B 5X	20:06:08 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10212
2110285-001A	20:11:42 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10212
2110104-003A	20:17:15 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10212
CCV	20:22:50 Thu 21-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\Oct2021\10212
CCB	20:28:25 Thu 21-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\Oct2021\10212
WASH	20:33:59 Thu 21-OSample	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\Oct2021\10212
MB-34101	20:39:34 Thu 21-OSample	C:\Users\Public\DocumMBLK,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
LCS-34101	20:45:08 Thu 21-OSample	C:\Users\Public\DocumLCS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
2110065-014A	20:50:43 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
2110065-014ADIL	20:56:17 Thu 21-OSample	C:\Users\Public\DocumSD,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
2110065-014AMS	21:01:51 Thu 21-OSample	C:\Users\Public\DocumMS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
2110065-014AMSD	21:07:25 Thu 21-OSample	C:\Users\Public\DocumMSD,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
2110065-014APDS	21:12:59 Thu 21-OSample	C:\Users\Public\DocumPDS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
2110065-013A	21:18:33 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
2110065-015A	21:24:07 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
CCV	21:29:41 Thu 21-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\Oct2021\10212
CCB	21:35:16 Thu 21-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\Oct2021\10212
2110065-016A	21:40:51 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
2110065-017A	21:46:25 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
2110065-018A	21:51:59 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
2110065-019A	21:57:33 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
2110065-020A	22:03:06 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
2110065-021A	22:08:40 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
2110065-022A	22:14:15 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
2110065-023A	22:19:49 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
2110065-024A	22:25:23 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
2110065-025A	22:30:57 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
CCV	22:36:31 Thu 21-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\Oct2021\10212
CCB	22:42:06 Thu 21-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\Oct2021\10212
2110065-026A	22:47:40 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
2110065-027A	22:53:14 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
2110065-028A	22:58:48 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
2110065-029A	23:04:22 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
2110065-030A	23:09:56 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
2110065-031A	23:15:31 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10212
WASH	23:21:05 Thu 21-OSample	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\Oct2021\10212
MB-33950	23:26:40 Thu 21-OSample	C:\Users\Public\DocumMBLK,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10212
LCS-33950	23:32:14 Thu 21-OSample	C:\Users\Public\DocumLCS,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10212
2110068-001CDUP	23:37:48 Thu 21-OSample	C:\Users\Public\DocumDUP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10212
CCV	23:43:22 Thu 21-OQC Std #4	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\Oct2021\10212
CCB	23:48:57 Thu 21-OQC Std #5	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\Oct2021\10212
2110174-001E	23:54:32 Thu 21-OSample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10212
2110174-002D	00:00:06 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10212
2110174-003E	00:05:40 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10212
2110174-004D	00:11:14 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10212
2110174-005C	00:16:47 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10212
2110174-006C	00:22:22 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-D	gistix\ICPMS\DataSet\Oct2021\10212

2110174-008C	00:27:56 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-D gistix\ICPMS\DataSet\Oct2021\10212
2110174-009C	00:33:30 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-D gistix\ICPMS\DataSet\Oct2021\10212
2110174-010C	00:39:04 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-D gistix\ICPMS\DataSet\Oct2021\10212
2110174-011C	00:44:38 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-D gistix\ICPMS\DataSet\Oct2021\10212
CCV	00:50:12 Fri 22-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
CCB	00:55:47 Fri 22-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
2110174-012C	01:01:21 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-D gistix\ICPMS\DataSet\Oct2021\10212
2110242-001A 10000X	01:06:56 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10212
WASH	01:12:31 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
WASH	01:18:05 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
WASH	01:23:39 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
CCV	01:29:14 Fri 22-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
CCB	01:34:48 Fri 22-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
2%	01:40:22 Fri 22-Oc	QC Std #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212
DI	01:45:57 Fri 22-Oc	QC Std #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10212

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\102221eh\
Report Date/Time: Monday, October 25, 2021 11:35:47

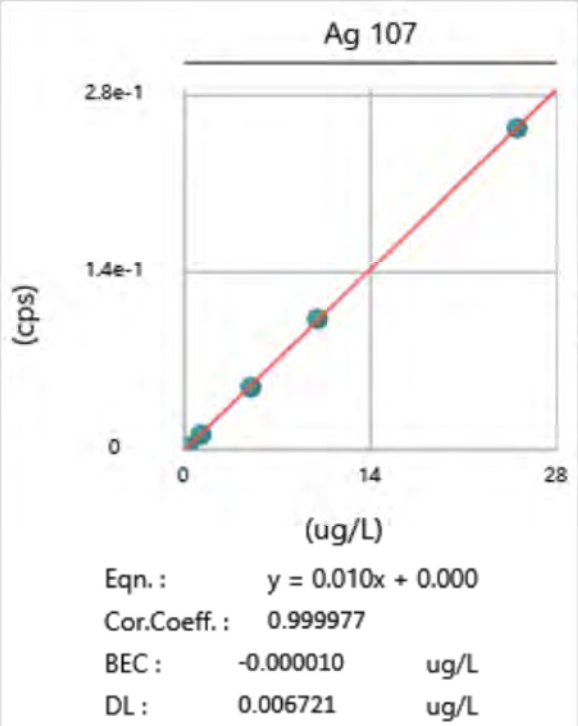
The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	WASJH	08:44:05 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	WASH	08:49:39 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	NEW 2%	08:55:13 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	NEW 2%	09:00:48 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	CAL BLK IS 23514	09:08:44 Fri 22-Oc	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	Standard 1	09:12:04 Fri 22-Oc	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	Standard 2	09:14:23 Fri 22-Oc	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	Standard 3	09:16:43 Fri 22-Oc	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	Standard 4	09:19:02 Fri 22-Oc	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	Standard 5	09:21:22 Fri 22-Oc	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	Standard 6	09:23:41 Fri 22-Oc	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	Standard 7	09:26:00 Fri 22-Oc	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	Standard 8	09:28:20 Fri 22-Oc	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	WASH	09:30:40 Fri 22-Oc	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	ICB	09:33:00 Fri 22-Oc	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	ICV	09:35:20 Fri 22-Oc	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	WASH	09:37:39 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	2110251-008A 100X	10:02:56 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110265-001A 10X	10:05:16 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110282-001D 10X	10:07:36 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T .	gistix\ICPMS\DataSet\Oct2021\10222
	2110019-005A 10X	10:09:56 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T .	gistix\ICPMS\DataSet\Oct2021\10222
	2110285-001A 5X	10:12:16 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T .	gistix\ICPMS\DataSet\Oct2021\10222
	2110065-016A	10:20:28 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110065-017A	10:22:48 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110065-018A	10:25:08 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110065-019A	10:27:28 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110065-020A	10:29:48 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	CCV	10:32:09 Fri 22-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	CCB	10:34:28 Fri 22-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	CCV	10:39:32 Fri 22-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	CCB	10:41:52 Fri 22-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	2110065-021A	10:45:10 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110065-022A	10:47:30 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110065-023A	10:49:50 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110065-024A	10:52:10 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110065-025A	10:54:30 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	ICSA	10:57:20 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	WASH	11:02:21 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	WASH	11:04:41 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	CCV	11:07:00 Fri 22-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	CCB	11:09:20 Fri 22-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	CCV	11:12:53 Fri 22-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	CCB	11:15:13 Fri 22-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	MB-34101	11:48:28 Fri 22-Oc	Sample	C:\Users\Public\DocumMBLK,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110065-013A	11:50:48 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110065-014A	11:53:09 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110065-015A	11:55:29 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110242-001A 10000	11:57:49 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	CCV	12:00:09 Fri 22-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	CCB	12:02:29 Fri 22-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	

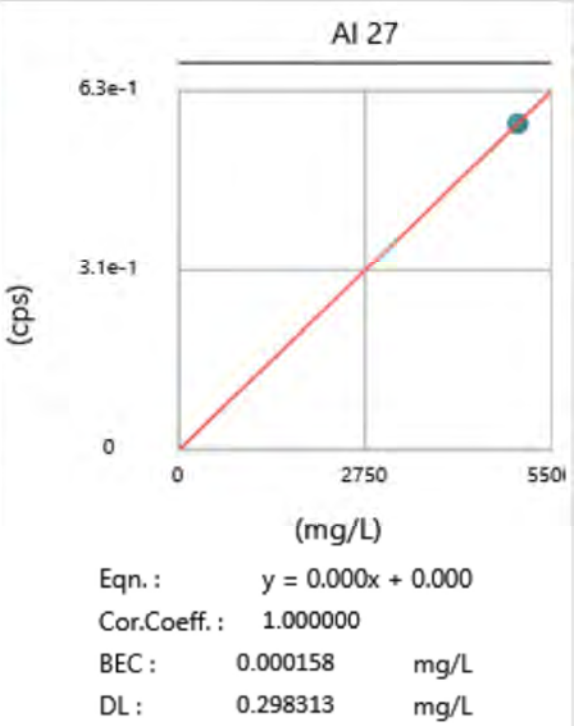
2110065-013A	13:38:07 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110065-014A	13:41:28 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
211065-015A	13:43:47 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
CCV	13:46:08 Fri 22-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CCB	13:48:28 Fri 22-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CAL BLK IS 23514	13:59:55 Fri 22-Oc	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 1	14:02:15 Fri 22-Oc	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 2	14:04:34 Fri 22-Oc	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 3	14:06:53 Fri 22-Oc	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 4	14:09:13 Fri 22-Oc	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 5	14:11:32 Fri 22-Oc	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 6	14:13:51 Fri 22-Oc	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 7	14:16:10 Fri 22-Oc	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 8	14:18:30 Fri 22-Oc	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
WASH	14:20:50 Fri 22-Oc	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
ICB	14:23:10 Fri 22-Oc	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
ICV	14:25:30 Fri 22-Oc	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
WASH	14:27:49 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
ICSA	14:32:37 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
WSAH	14:34:57 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
WASH	14:37:17 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
MB-34115	14:40:40 Fri 22-Oc	Sample	C:\Users\Public\DocumMBLK,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
LCS-34115	14:43:00 Fri 22-Oc	Sample	C:\Users\Public\DocumLCS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110287-002A	14:45:19 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110287-002ADIL	14:47:39 Fri 22-Oc	Sample	C:\Users\Public\DocumSD,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110287-002AMS	14:49:58 Fri 22-Oc	Sample	C:\Users\Public\DocumMS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110287-002AMSD	14:52:18 Fri 22-Oc	Sample	C:\Users\Public\DocumMSD,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110287-002APDS	14:54:37 Fri 22-Oc	Sample	C:\Users\Public\DocumPDS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110287-001A	14:56:56 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110287-003A	14:59:16 Fri 22-Oc	Sample	C:\Users\Public\DocumMBLK,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110287-004A	15:01:35 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
CCV	15:03:55 Fri 22-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CCB	15:06:15 Fri 22-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
WASH	15:09:14 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CCV	15:11:34 Fri 22-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CCB	15:13:54 Fri 22-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CCV	15:16:22 Fri 22-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
2110287-005A	15:19:07 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110287-006A	15:21:26 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110287-007A	15:23:46 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110287-008A	15:26:05 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110287-009A	15:28:24 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110287-010A	15:30:44 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
MB-34132	15:34:25 Fri 22-Oc	Sample	C:\Users\Public\DocumMBLK,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
LCS-34132	15:36:44 Fri 22-Oc	Sample	C:\Users\Public\DocumLCS,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110307-005B	15:39:04 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
CCV	15:41:24 Fri 22-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CCB	15:43:44 Fri 22-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
2110283-002A 5X	15:49:10 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CAL BLK IS 23514	15:53:16 Fri 22-Oc	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 1	15:55:36 Fri 22-Oc	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CAL BLK IS 23514	15:58:47 Fri 22-Oc	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 1	16:03:21 Fri 22-Oc	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 2	16:08:55 Fri 22-Oc	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 3	16:14:29 Fri 22-Oc	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 4	16:20:03 Fri 22-Oc	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 5	16:25:36 Fri 22-Oc	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 6	16:31:10 Fri 22-Oc	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 7	16:36:44 Fri 22-Oc	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 8	16:42:18 Fri 22-Oc	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222

WASH	16:47:53 Fri 22-OcQC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
ICB	16:53:28 Fri 22-OcQC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
ICV	16:59:02 Fri 22-OcQC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
WASH	17:04:36 Fri 22-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
ICSA	17:10:11 Fri 22-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
WASH	17:15:46 Fri 22-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
WASH	17:21:20 Fri 22-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
MB-34132	17:26:55 Fri 22-OcSample	C:\Users\Public\DocumMBLK,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
LCS-34132	17:32:29 Fri 22-OcSample	C:\Users\Public\DocumLCS,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110283-002A	17:38:03 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110283-002ADUP	17:43:37 Fri 22-OcSample	C:\Users\Public\DocumDUP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110283-002AMS	17:49:12 Fri 22-OcSample	C:\Users\Public\DocumMS,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110283-002AMSD	17:54:46 Fri 22-OcSample	C:\Users\Public\DocumMSD,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
CCV	18:00:20 Fri 22-OcQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CCB	18:05:55 Fri 22-OcQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
2110104-007A	18:11:30 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110104-001A	18:17:05 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-DOD-200.8-T stix\ICPMS\DataSet\Oct2021\10222
WASH	18:22:40 Fri 22-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
MB-34113	18:28:15 Fri 22-OcSample	C:\Users\Public\DocumMBLK,M-DOD-200.8-T istix\ICPMS\DataSet\Oct2021\10222
LCS-34113	18:33:50 Fri 22-OcSample	C:\Users\Public\DocumLCS,M-DOD-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110104-003A 10X	18:39:24 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-DOD-200.8-T stix\ICPMS\DataSet\Oct2021\10222
LCS-34115	18:44:59 Fri 22-OcSample	C:\Users\Public\DocumLCS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110009-009A	18:50:34 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110009-009A	18:56:08 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2109376-046A	19:01:43 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
CCV	19:07:18 Fri 22-OcQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CCB	19:12:53 Fri 22-OcQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
2109376-048A	19:18:27 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110265-002A	19:24:01 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110265-003A	19:29:36 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110286-006A	19:35:10 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110286-013A	19:40:44 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110307-005A	19:46:18 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110283-001A	19:51:53 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110295-001A	19:57:27 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110295-002A	20:03:01 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110295-003A	20:08:36 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
CCV	20:14:10 Fri 22-OcQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CCB	20:19:45 Fri 22-OcQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
2110295-004A	20:25:19 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110295-005A	20:30:53 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110295-006A	20:36:28 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110295-007A	20:42:02 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110306-001E 2X	20:47:36 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110306-002E 2X	20:53:10 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110056-005A 50X	20:58:45 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
CCV	21:04:19 Fri 22-OcQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CCB	21:09:54 Fri 22-OcQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
2%	21:15:28 Fri 22-OcQC Std #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
DI	21:21:03 Fri 22-OcQC Std #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222

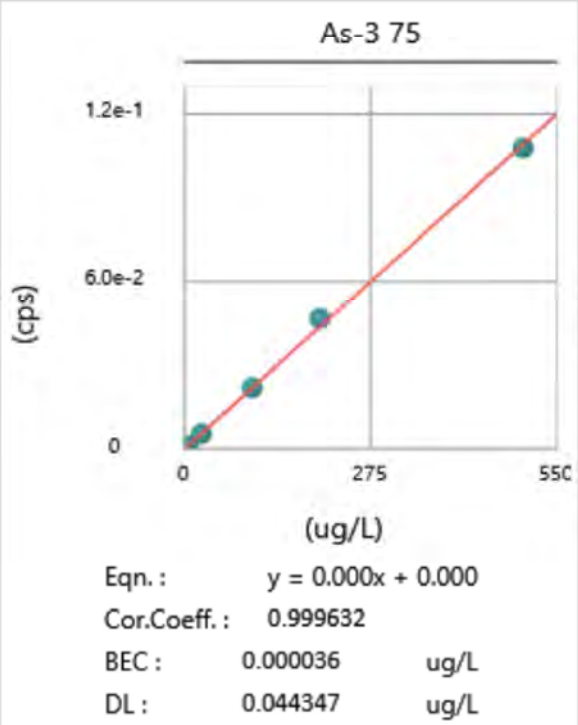
Calibration



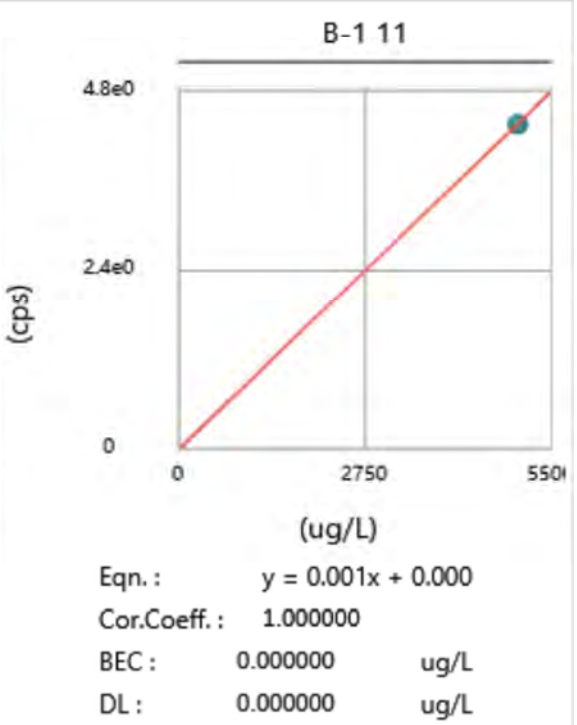
Eqn. : y = 0.010x + 0.000
Cor.Coeff. : 0.999977
BEC : -0.000010 ug/L
DL : 0.006721 ug/L



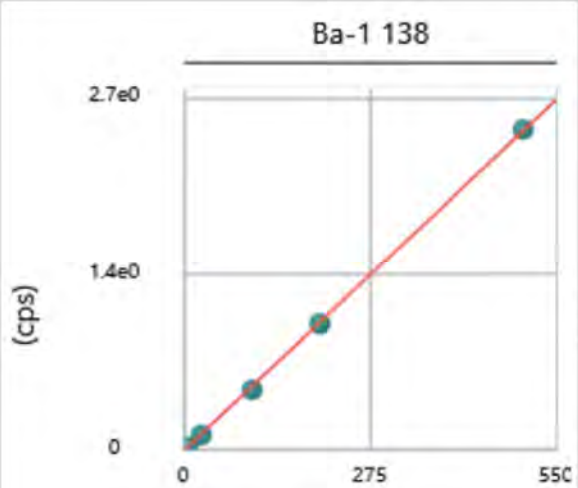
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000158 mg/L
DL : 0.298313 mg/L



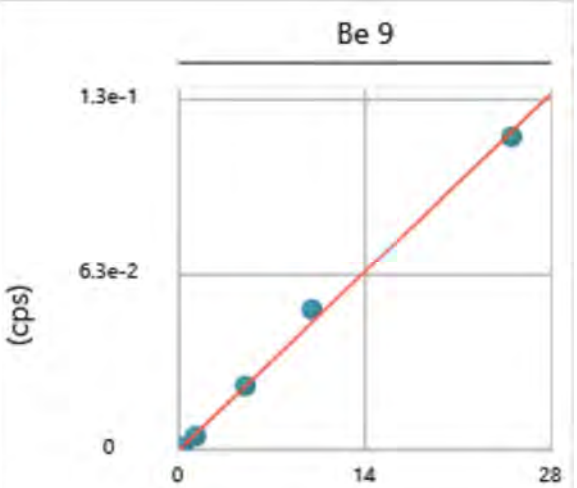
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999632
BEC : 0.000036 ug/L
DL : 0.044347 ug/L



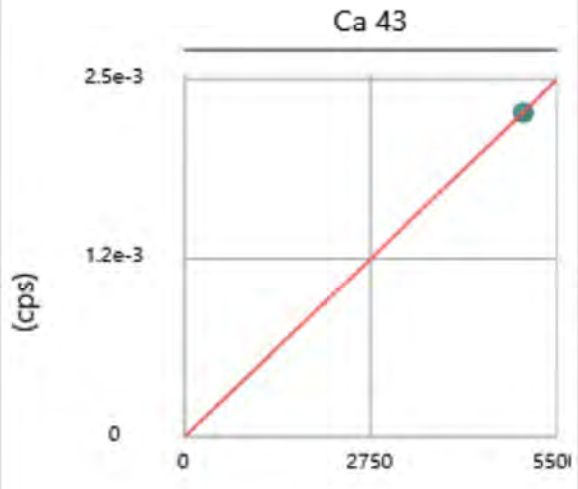
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



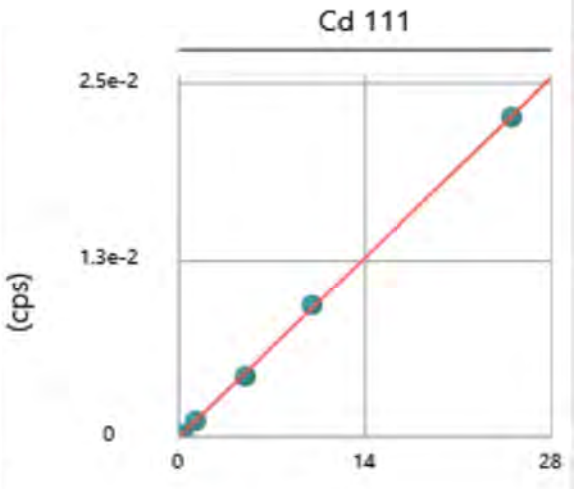
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999930
BEC : 0.000000 mg/L
DL : 0.005151 mg/L



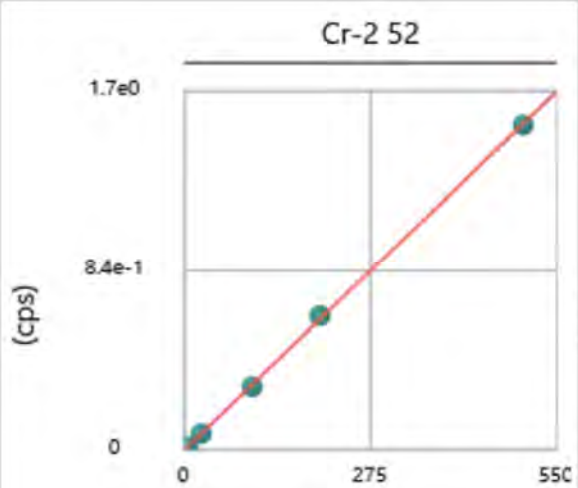
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999206
BEC : -0.000086 ug/L
DL : 0.028319 ug/L



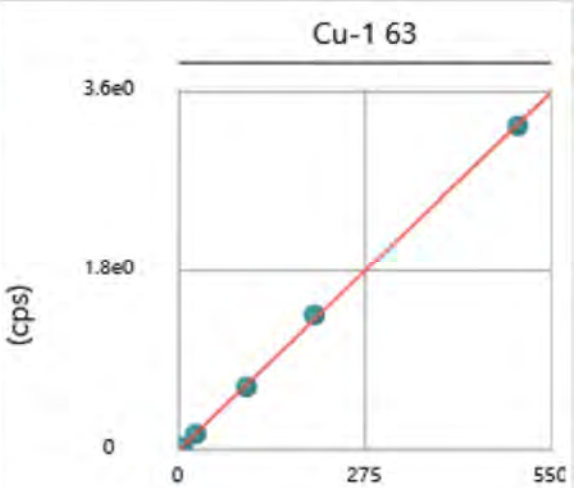
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.043370 mg/L
DL : 50.501697 mg/L



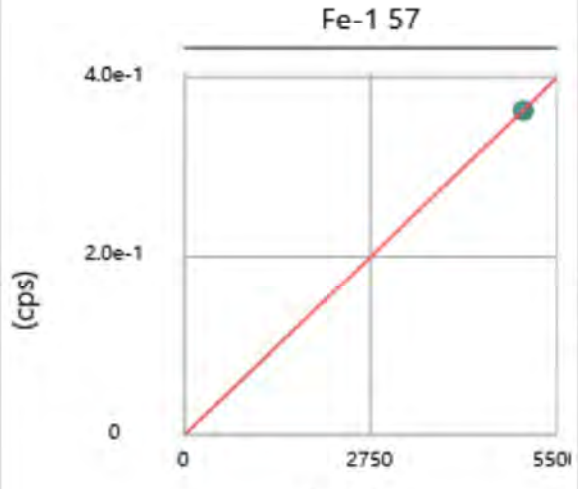
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999910
BEC : 0.000008 mg/L
DL : 0.019292 mg/L



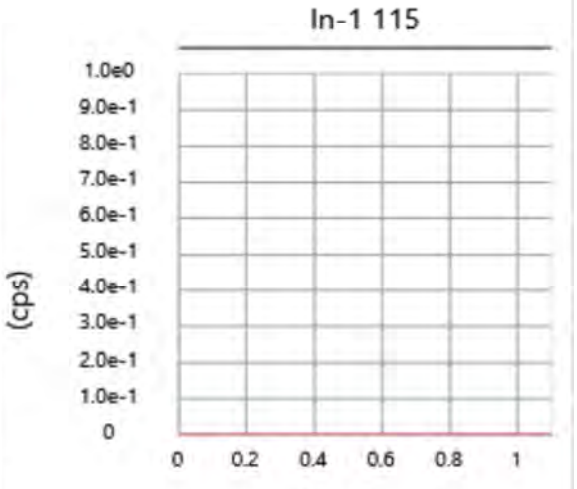
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999931
BEC : 0.000017 ug/L
DL : 0.024554 ug/L



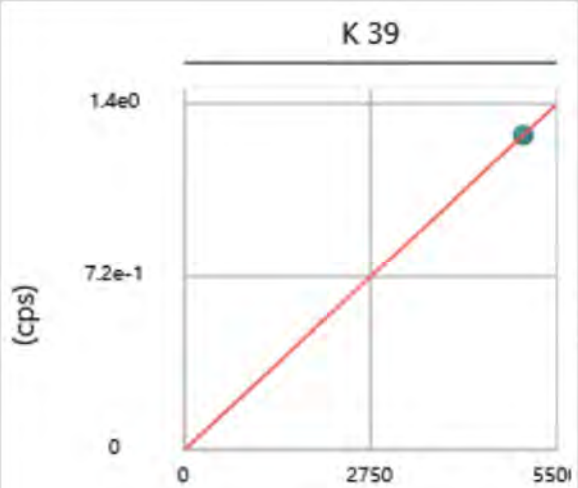
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999901
BEC : -0.000019 ug/L
DL : 0.021925 ug/L



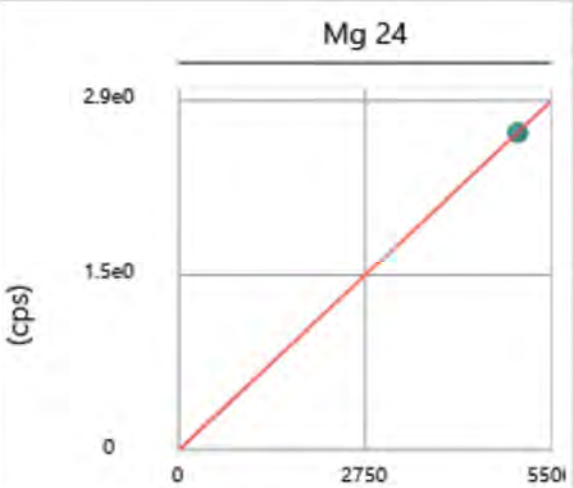
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.000813 ug/L
DL : 0.915204 ug/L



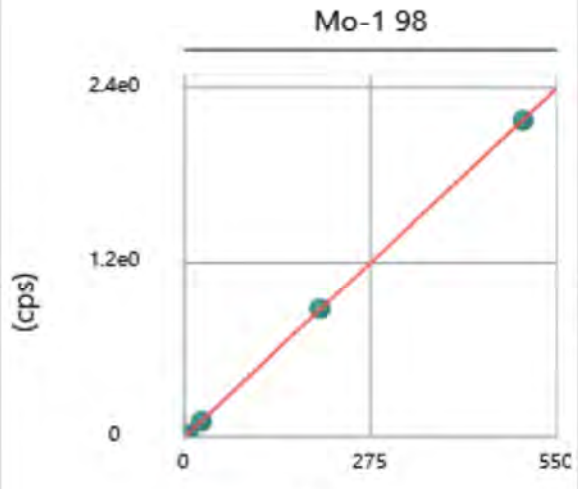
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



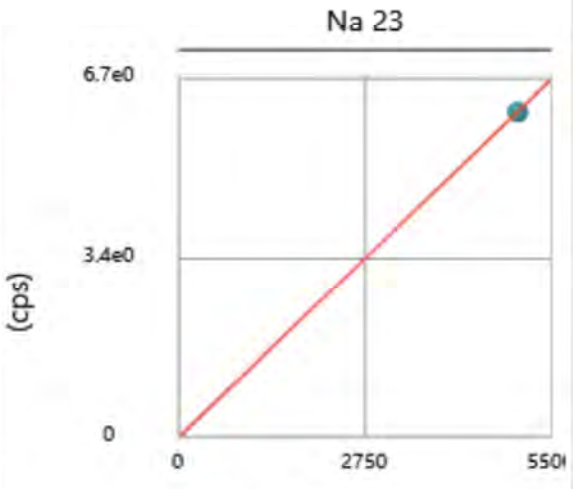
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.005107 mg/L
DL : 11.214748 mg/L



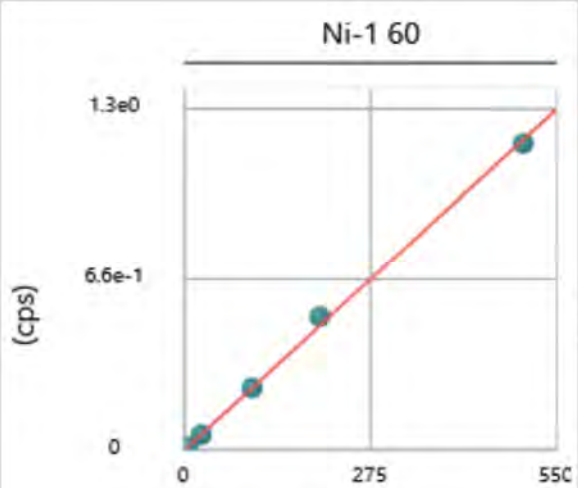
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000095 mg/L
DL : 0.106312 mg/L



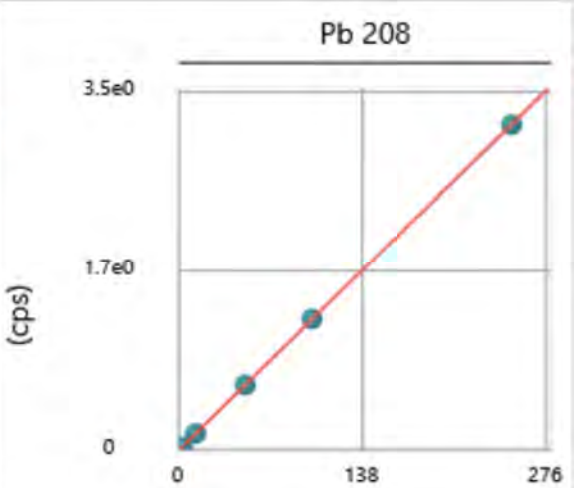
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999993
BEC : 0.000034 ug/L
DL : 0.008418 ug/L



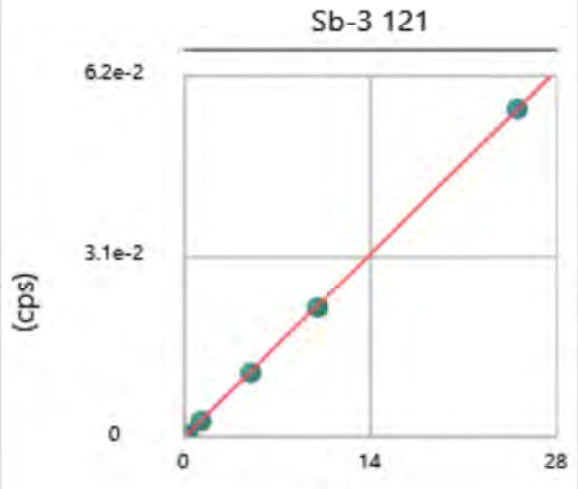
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.000284 mg/L
DL : 0.398746 mg/L



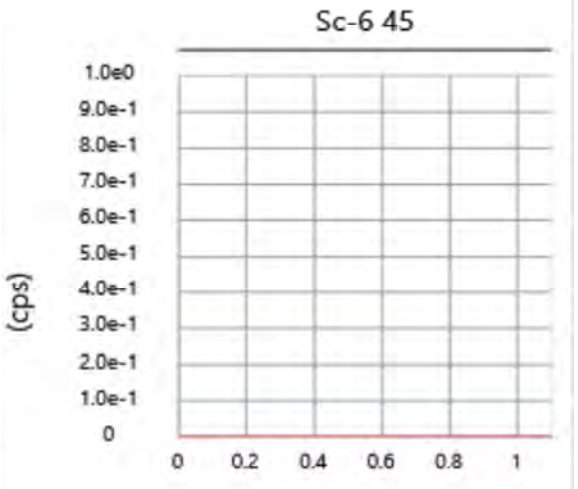
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999601
BEC : 0.000011 ug/L
DL : 0.031761 ug/L



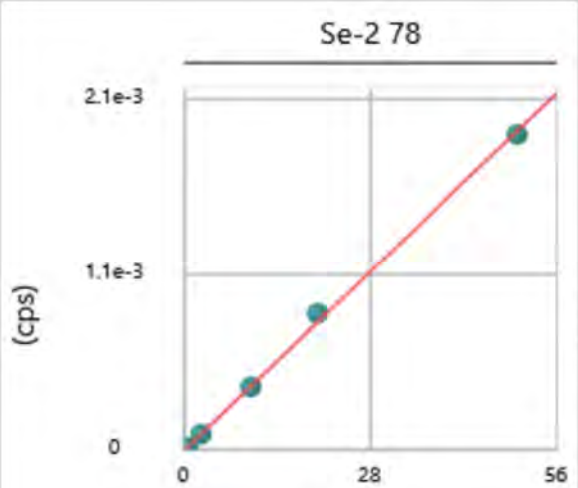
Eqn. : y = 0.013x + 0.000
Cor.Coeff. : 0.999998
BEC : 0.000011 ug/L
DL : 0.007655 ug/L



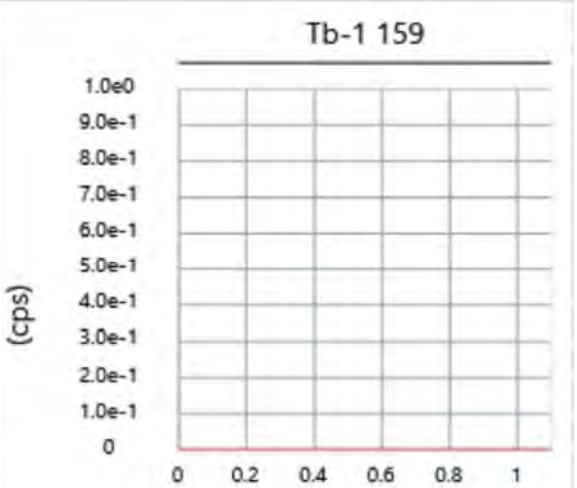
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999983
BEC : 0.000005 ug/L
DL : 0.001400 ug/L



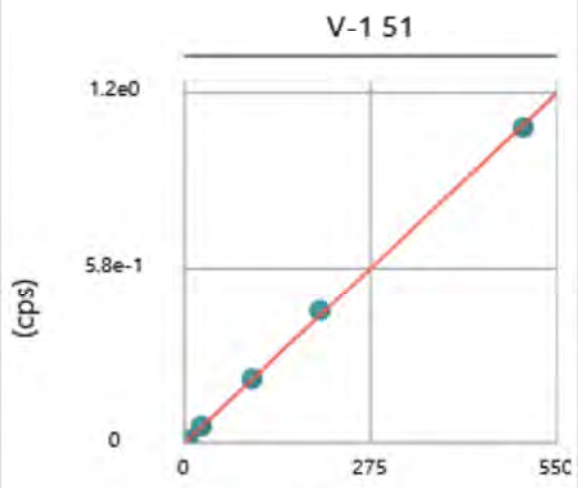
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN mg/L
DL : NaN mg/L



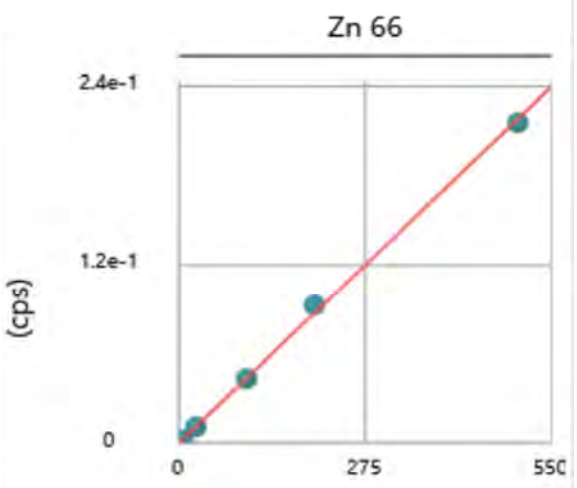
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999654
BEC : 0.000360 ug/L
DL : 0.416405 ug/L



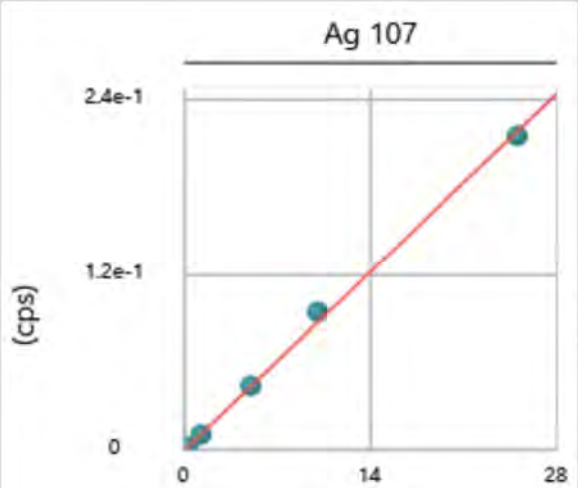
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



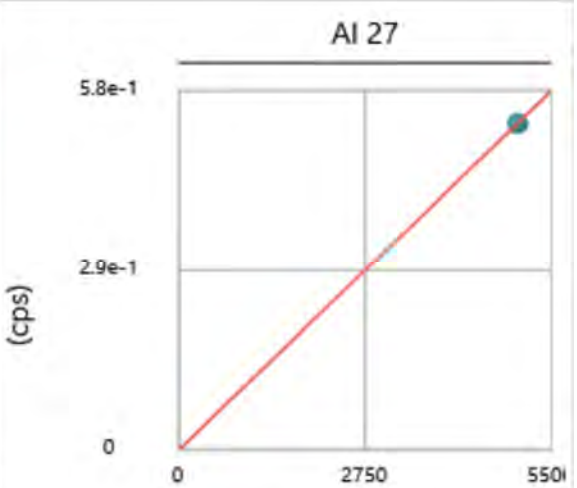
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999859
BEC : -0.000036 ug/L
DL : 0.068457 ug/L



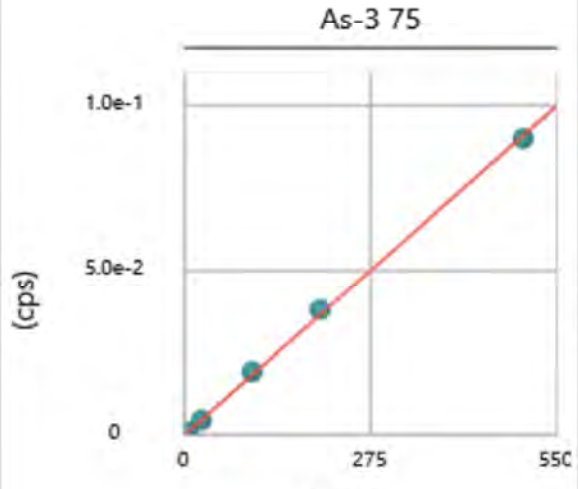
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999685
BEC : 0.000009 ug/L
DL : 0.254098 ug/L



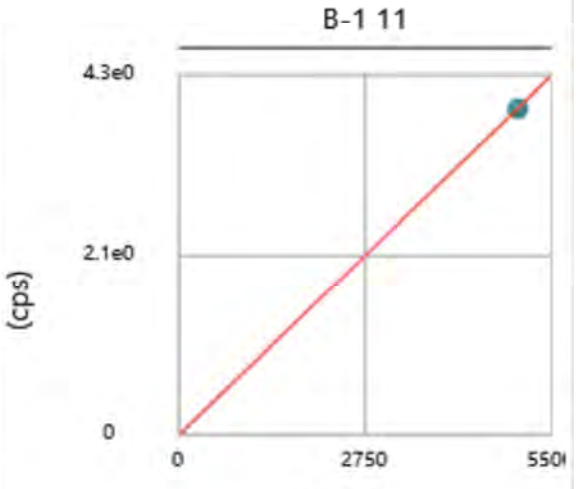
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999484
BEC : -0.000010 ug/L
DL : 0.005220 ug/L



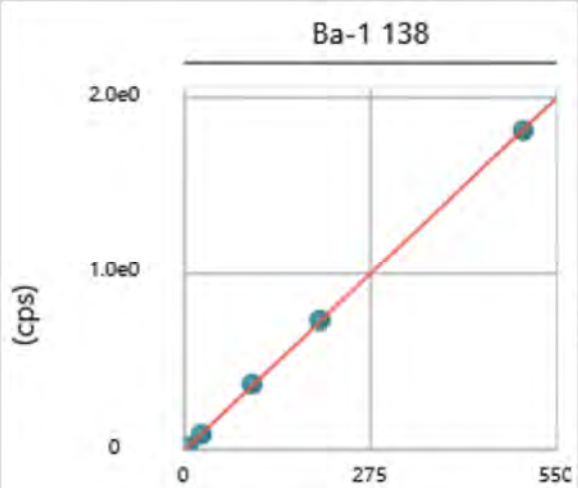
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.000004 mg/L
DL : 0.182423 mg/L



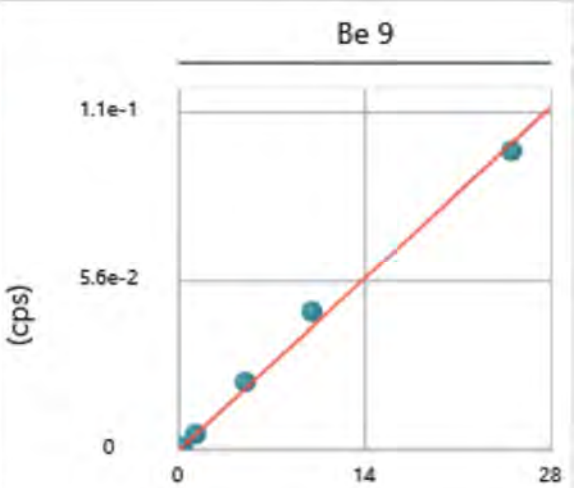
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999775
BEC : 0.000271 ug/L
DL : 0.099110 ug/L



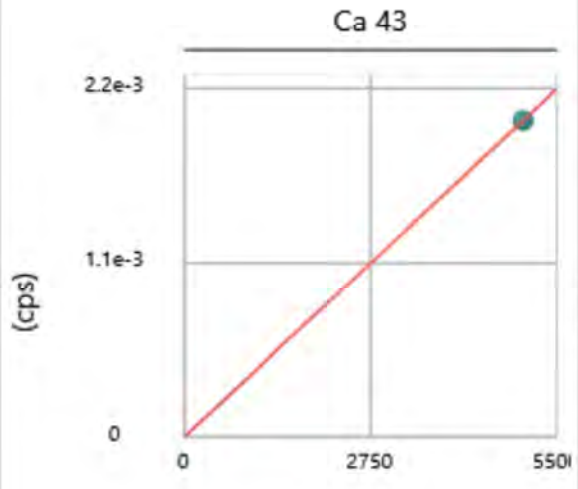
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000936 ug/L
DL : 0.765909 ug/L



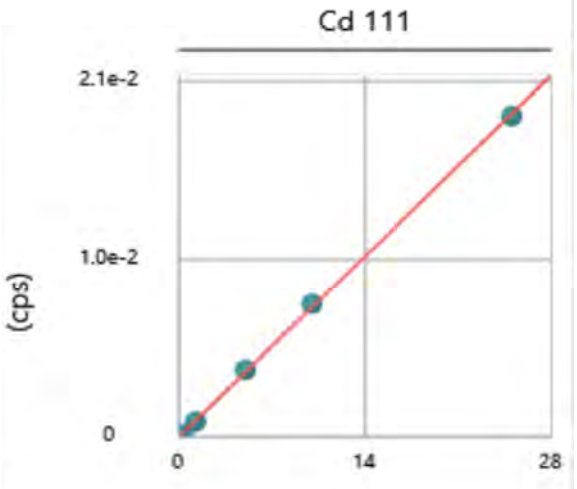
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999971
BEC : 0.000133 mg/L
DL : 0.015764 mg/L



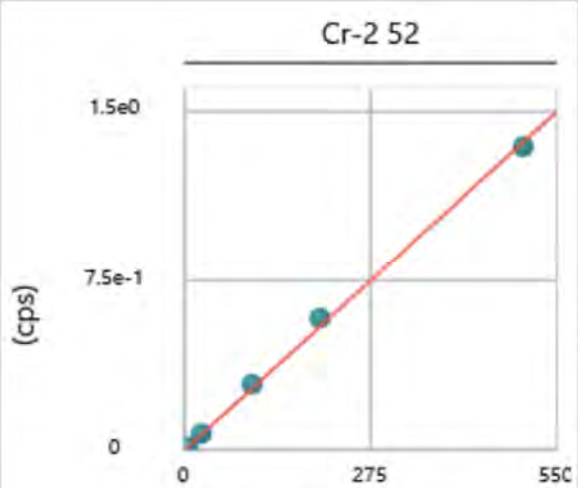
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.998496
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



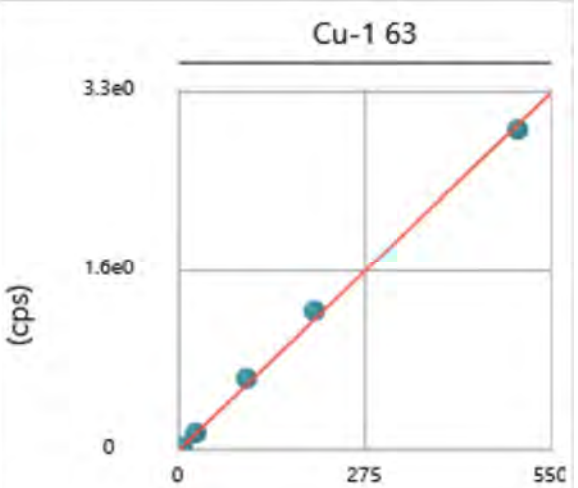
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.000700 mg/L
DL : 31.643683 mg/L



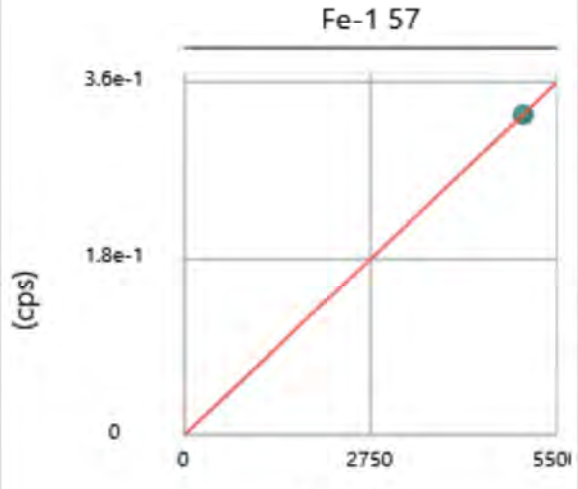
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999896
BEC : 0.000417 mg/L
DL : 0.049289 mg/L



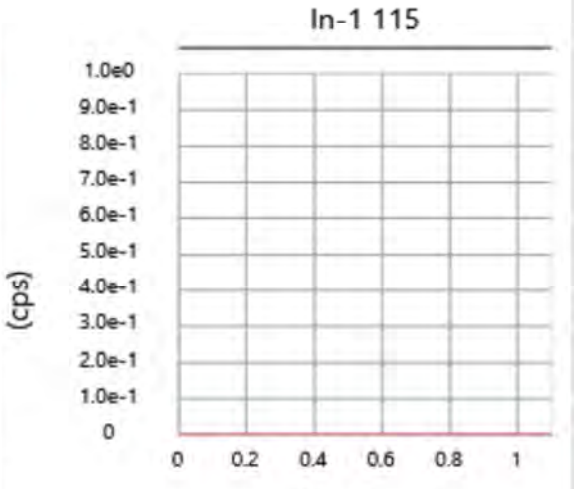
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999516
BEC : -0.000322 ug/L
DL : 0.037091 ug/L



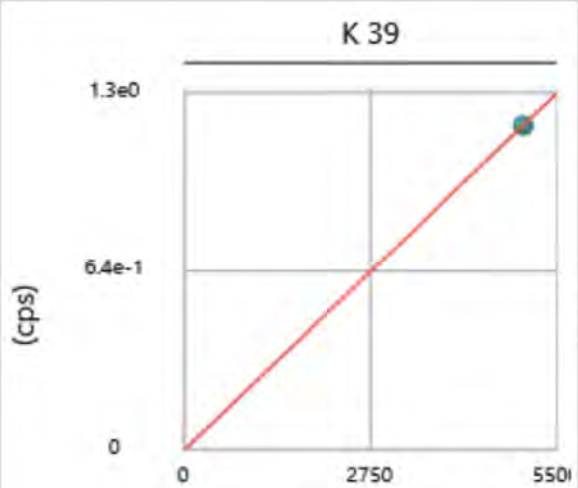
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999425
BEC : 0.000097 ug/L
DL : 0.012474 ug/L



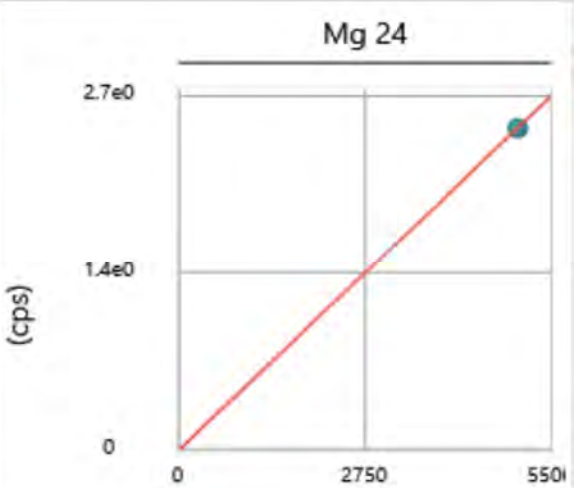
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.012735 ug/L
DL : 1.474715 ug/L



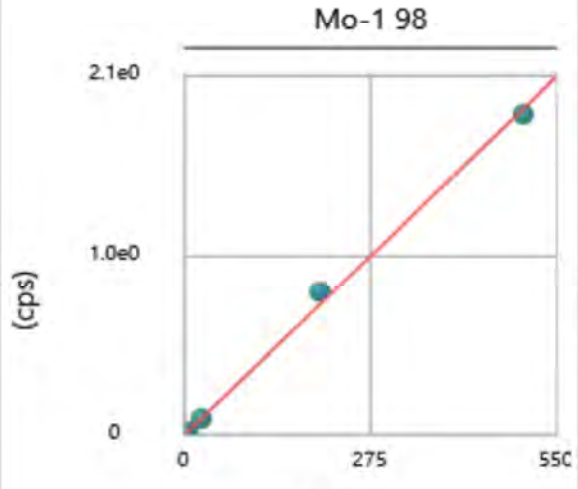
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



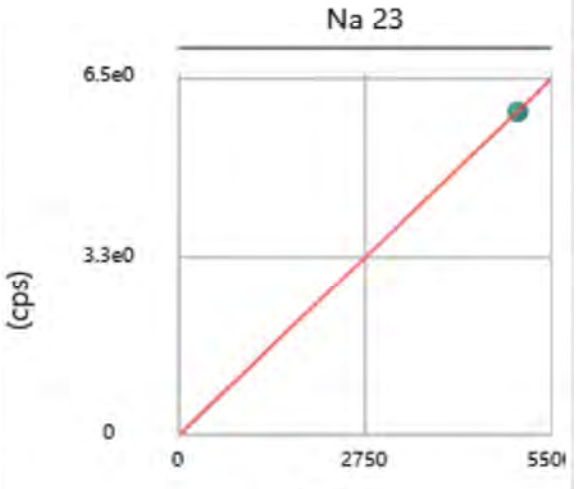
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.188723 mg/L
DL : 21.961141 mg/L



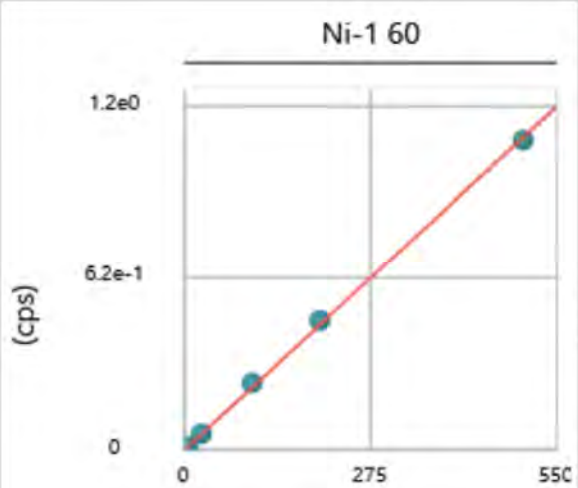
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.001477 mg/L
DL : 0.173552 mg/L



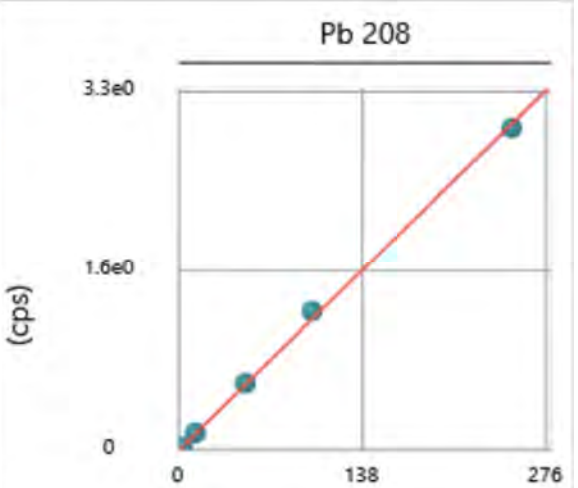
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999222
BEC : -0.000008 ug/L
DL : 0.012219 ug/L



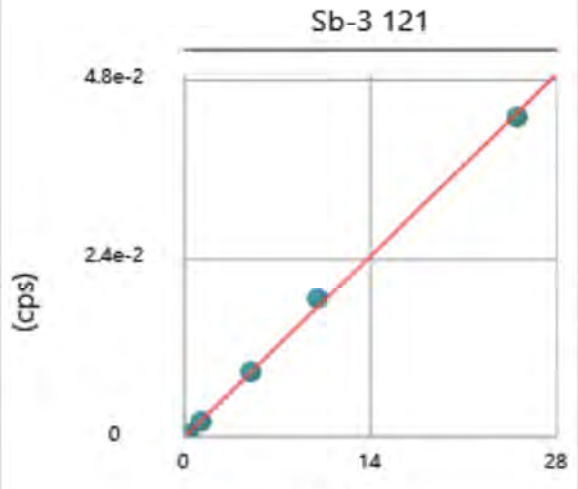
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.004340 mg/L
DL : 0.671141 mg/L



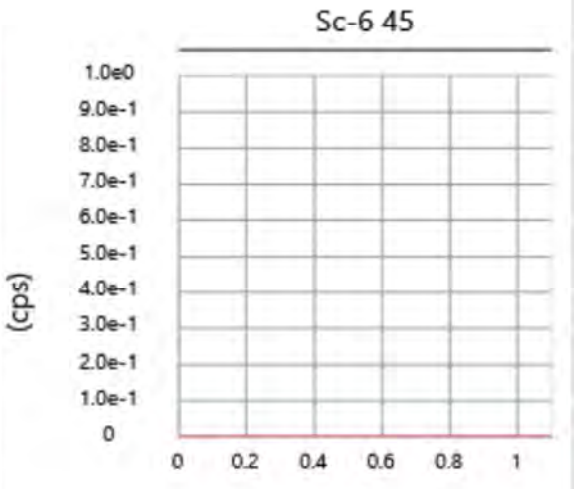
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999798
BEC : 0.000099 ug/L
DL : 0.017727 ug/L



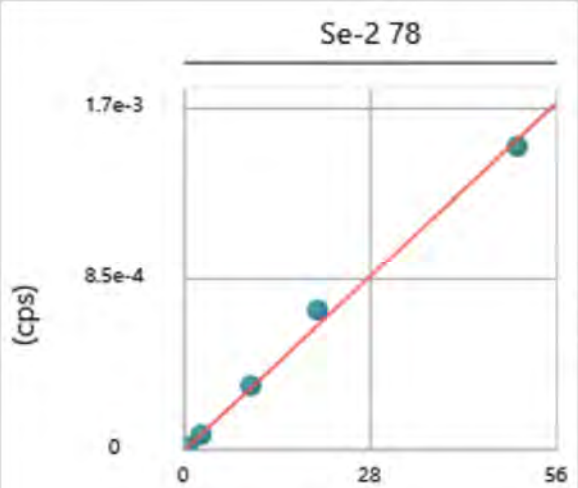
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999661
BEC : 0.000017 ug/L
DL : 0.003116 ug/L



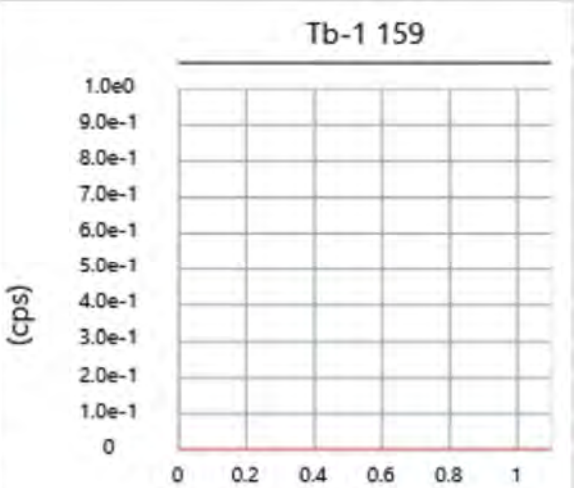
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999644
BEC : 0.000011 ug/L
DL : 0.002624 ug/L



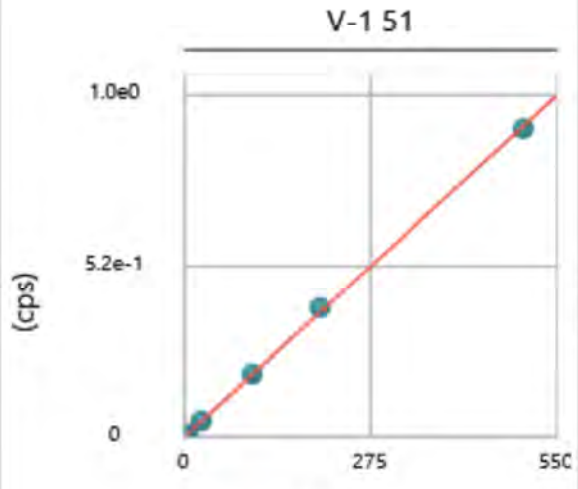
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN mg/L
DL : NaN mg/L



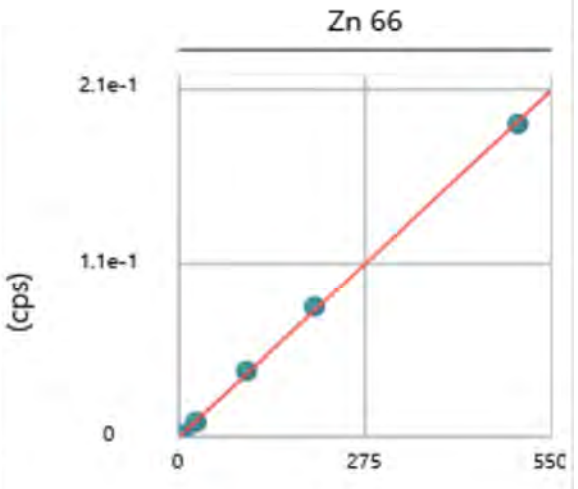
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.998754
BEC : -0.001129 ug/L
DL : 0.420351 ug/L



Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999873
BEC : 0.000246 ug/L
DL : 0.038834 ug/L



Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999866
BEC : 0.001812 ug/L
DL : 0.247368 ug/L

Tunes

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Full.swz

Start Time: 10/21/2021 8:27:29 AM
End Time: 10/21/2021 8:29:53 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 9990.43
Obtained Intensity (Mg 24): 39327.67
Obtained Intensity (In 115): 60961.47
Obtained Intensity (U 238): 47601.80
Obtained Intensity (Bkgd 220): 0.20
Obtained Formula (CeO 156 / Ce 140): 0.021 (=1414.07 / 66722.19)
Obtained Formula (Ce++ 70 / Ce 140): 0.012 (=771.35 / 66722.19)
Obtained RSD (Be 9): 0.0137
Obtained RSD (Mg 24): 0.0122
Obtained RSD (In 115): 0.0069
Obtained RSD (U 238): 0.0185

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Full.swz

Optimization Status

Start Time: 10/21/2021 8:27:29 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily PerformanceA.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 9990.43
Obtained Intensity (Mg 24): 39327.67
Obtained Intensity (In 115): 60961.47
Obtained Intensity (U 238): 47601.80
Obtained Intensity (Bkgd 220): 0.20
Obtained Formula (CeO 156 / Ce 140): 0.021 (=1414.07 / 66722.19)
Obtained Formula (Ce++ 70 / Ce 140): 0.012 (=771.35 / 66722.19)
Obtained RSD (Be 9): 0.0137
Obtained RSD (Mg 24): 0.0122
Obtained RSD (In 115): 0.0069
Obtained RSD (U 238): 0.0185

[Passed] Optimum value(s): N/A

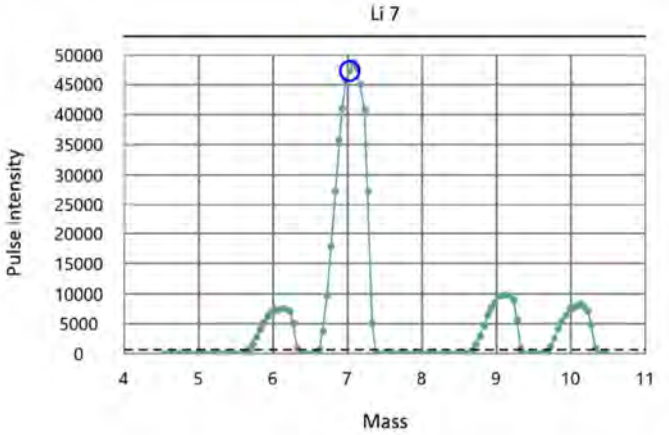
End Time: 10/21/2021 8:29:53 AM

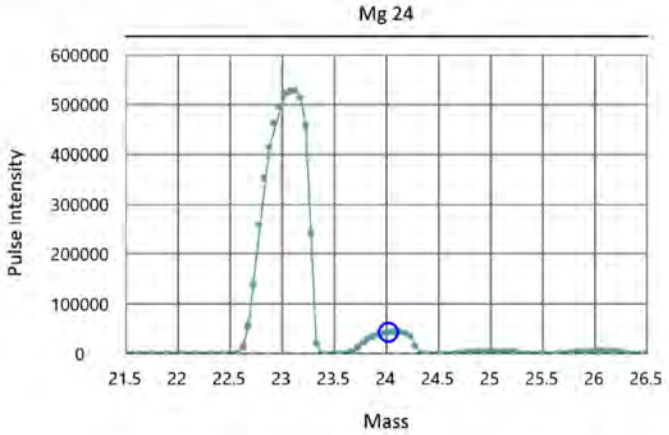
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.701)
Target/Obtained mass (23.985/24.025), Target/Obtained resolution (0.7/0.694)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.680)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.707)
Target/Obtained mass (238.05/238.025), Target/Obtained resolution (0.7/0.701)

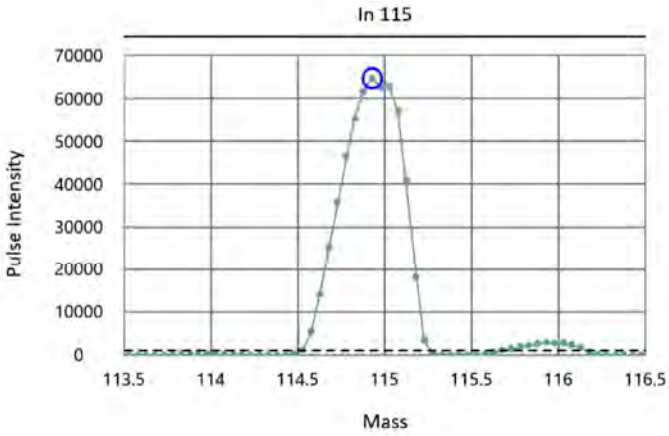
Acq. Date/Time: 10/21/2021 8:18:15 AM

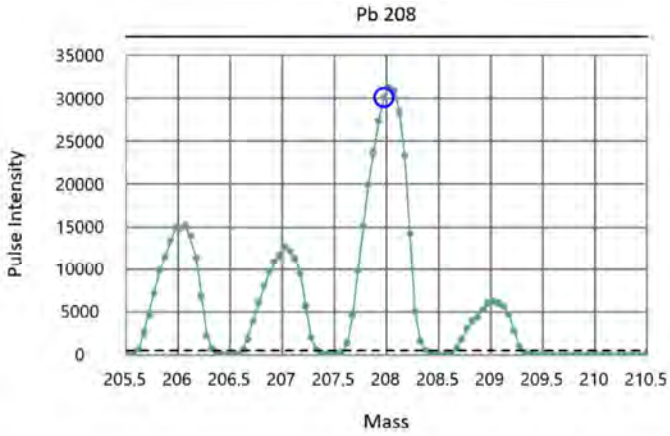
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

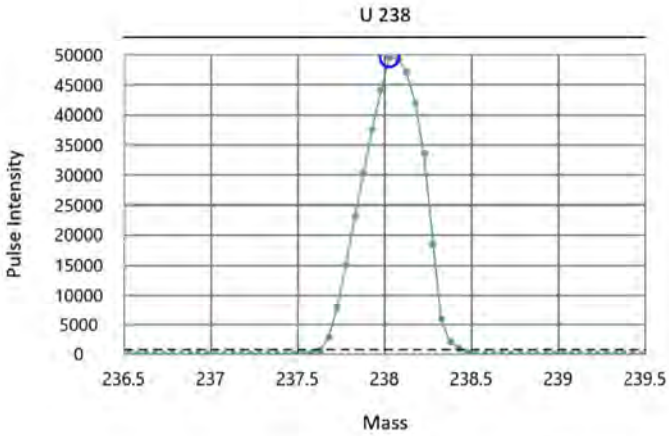
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1326	2022	0.701	
Mg	23.985	24.025	4714	2023	0.694	
In	114.904	114.925	22854	2041	0.680	
Pb	207.977	207.975	41416	2060	0.707	
U	238.05	238.025	47418	2067	0.701	











SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 10/22/2021 8:36:15 AM
End Time: 10/22/2021 8:38:39 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 12702.31
Obtained Intensity (Mg 24): 39790.14
Obtained Intensity (In 115): 68321.80
Obtained Intensity (U 238): 52528.67
Obtained Intensity (Bkgd 220): 0.10
Obtained Formula (CeO 156 / Ce 140): 0.022 (=1419.00 / 63354.80)
Obtained Formula (Ce++ 70 / Ce 140): 0.014 (=864.76 / 63354.80)
Obtained RSD (Be 9): 0.0105
Obtained RSD (Mg 24): 0.0121
Obtained RSD (In 115): 0.0094
Obtained RSD (U 238): 0.0112

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 10/22/2021 8:36:15 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 12702.31
Obtained Intensity (Mg 24): 39790.14
Obtained Intensity (In 115): 68321.80
Obtained Intensity (U 238): 52528.67
Obtained Intensity (Bkgd 220): 0.10
Obtained Formula (CeO 156 / Ce 140): 0.022 (=1419.00 / 63354.80)
Obtained Formula (Ce++ 70 / Ce 140): 0.014 (=864.76 / 63354.80)
Obtained RSD (Be 9): 0.0105
Obtained RSD (Mg 24): 0.0121
Obtained RSD (In 115): 0.0094
Obtained RSD (U 238): 0.0112

[Passed] Optimum value(s): N/A

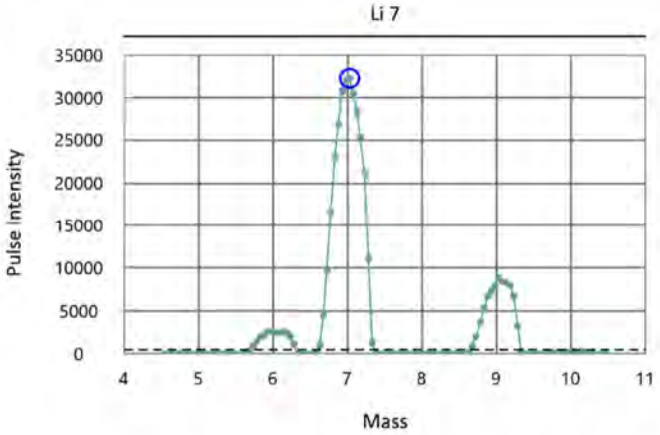
End Time: 10/22/2021 8:38:39 AM

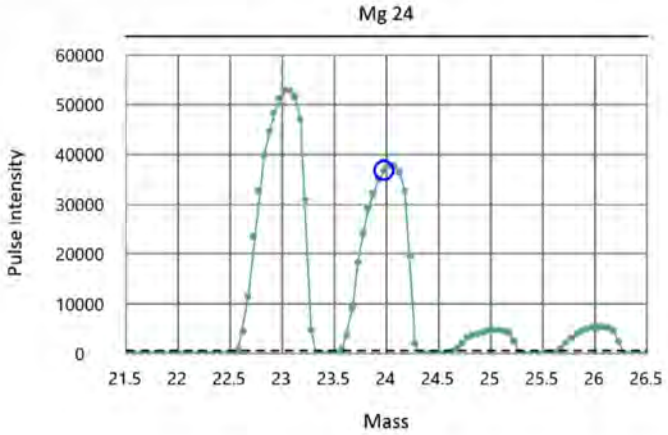
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.691)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.692)
Target/Obtained mass (114.904/114.875), Target/Obtained resolution (0.7/0.684)
Target/Obtained mass (207.977/208.025), Target/Obtained resolution (0.7/0.705)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.716)

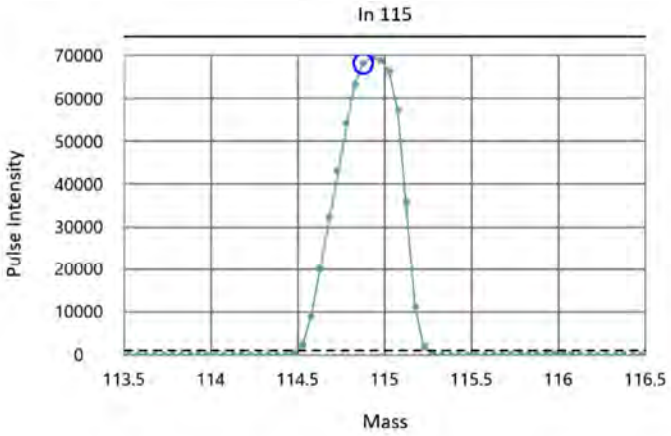
Acq. Date/Time: 10/22/2021 8:14:35 AM

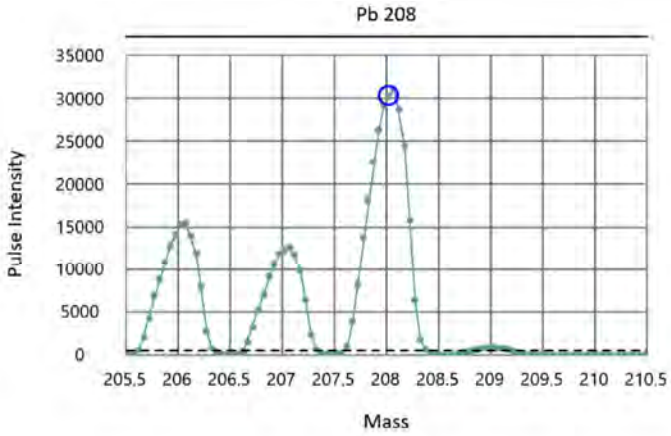
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

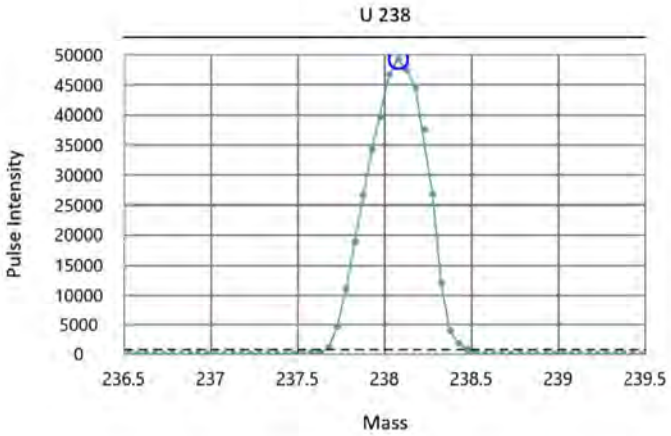
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1327	2022	0.691	
Mg	23.985	23.975	4712	2023	0.692	
In	114.904	114.875	22848	2041	0.684	
Pb	207.977	208.025	41425	2060	0.705	
U	238.05	238.075	47422	2067	0.716	











3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Shannon & Wilson
Ryan Peterson
400 N. 34th Street, Suite 100
Seattle, WA 98103

RE: 8801 - Excavations
Work Order Number: 2110287

October 25, 2021

Attention Ryan Peterson:

Fremont Analytical, Inc. received 14 sample(s) on 10/20/2021 for the analyses presented in the following report.

Gasoline by NWTPH-Gx
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)
Polychlorinated Biphenyls (PCB) by EPA 8082
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CLIENT: Shannon & Wilson
Project: 8801 - Excavations
Work Order: 2110287

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110287-001	A4-SIDE25:2	10/20/2021 9:00 AM	10/20/2021 3:40 PM
2110287-002	A4-SIDE25:6	10/20/2021 9:05 AM	10/20/2021 3:40 PM
2110287-003	A4-SIDE26:2	10/20/2021 9:10 AM	10/20/2021 3:40 PM
2110287-004	A4-SIDE26:6	10/20/2021 9:15 AM	10/20/2021 3:40 PM
2110287-005	A4-SIDE27:2	10/20/2021 9:20 AM	10/20/2021 3:40 PM
2110287-006	A4-SIDE27:6	10/20/2021 9:25 AM	10/20/2021 3:40 PM
2110287-007	A4-SIDE28:2	10/20/2021 9:30 AM	10/20/2021 3:40 PM
2110287-008	A4-SIDE28:6	10/20/2021 9:35 AM	10/20/2021 3:40 PM
2110287-009	A4-SIDE102:6	10/20/2021 9:40 AM	10/20/2021 3:40 PM
2110287-010	A3-SIDE38:2.5	10/20/2021 12:35 PM	10/20/2021 3:40 PM
2110287-011	Trip Blank	10/20/2021 12:00 AM	10/20/2021 3:40 PM
2110287-012	A2-SIDE16:2	10/20/2021 1:25 PM	10/20/2021 3:40 PM
2110287-013	A2-BOT7:4	10/20/2021 1:30 PM	10/20/2021 3:40 PM
2110287-014	A2-SIDE15:2	10/20/2021 1:45 PM	10/20/2021 3:40 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2110287**
Date: **10/25/2021**

CLIENT: Shannon & Wilson
Project: 8801 - Excavations

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2110287-001A-010A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2110287-001A-010A) required Florisil Cleanup Procedure (Using Method No 3620C).

12/6/2021: Revision 1 includes level 2B data package.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **2110287**
Date Reported: **10/25/2021**

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110287-001
Client Sample ID: **A4-SIDE25:2**

Collection Date: 10/20/2021 9:00:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34121			Analyst: SB
Aroclor 1016	ND	0.0445	0.00717		mg/Kg-dry	1	10/21/21 15:09:06
Aroclor 1221	ND	0.0445	0.00717		mg/Kg-dry	1	10/21/21 15:09:06
Aroclor 1232	ND	0.0445	0.00717		mg/Kg-dry	1	10/21/21 15:09:06
Aroclor 1242	ND	0.0445	0.00717		mg/Kg-dry	1	10/21/21 15:09:06
Aroclor 1248	ND	0.0445	0.00885		mg/Kg-dry	1	10/21/21 15:09:06
Aroclor 1254	0.120	0.0445	0.00885		mg/Kg-dry	1	10/21/21 15:09:06
Aroclor 1260	ND	0.0445	0.00885		mg/Kg-dry	1	10/21/21 15:09:06
Aroclor 1262	ND	0.0445	0.00885		mg/Kg-dry	1	10/21/21 15:09:06
Aroclor 1268	ND	0.0445	0.00885		mg/Kg-dry	1	10/21/21 15:09:06
Total PCBs	0.120	0.0445	0.00885		mg/Kg-dry	1	10/21/21 15:09:06
Surr: Decachlorobiphenyl	31.3	20.6 - 142			%Rec	1	10/21/21 15:09:06
Surr: Tetrachloro-m-xylene	22.6	22 - 157			%Rec	1	10/21/21 15:09:06
Total Metals by EPA Method 6020B				Batch ID: 34115			Analyst: EH
Copper	1,710	9.42	1.76	D	mg/Kg-dry	10	10/22/21 14:56:56
Sample Moisture (Percent Moisture)				Batch ID: R70685			Analyst: MCH
Percent Moisture	15.8	0.500	0.100		wt%	1	10/21/21 9:27:43

Analytical Report

Work Order: **2110287**
Date Reported: **10/25/2021**

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110287-002
Client Sample ID: **A4-SIDE25:6**

Collection Date: 10/20/2021 9:05:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34121			Analyst: SB
Aroclor 1016	ND	0.0440	0.00709		mg/Kg-dry	1	10/21/21 15:18:52
Aroclor 1221	ND	0.0440	0.00709		mg/Kg-dry	1	10/21/21 15:18:52
Aroclor 1232	ND	0.0440	0.00709		mg/Kg-dry	1	10/21/21 15:18:52
Aroclor 1242	ND	0.0440	0.00709		mg/Kg-dry	1	10/21/21 15:18:52
Aroclor 1248	ND	0.0440	0.00875		mg/Kg-dry	1	10/21/21 15:18:52
Aroclor 1254	0.157	0.0440	0.00875		mg/Kg-dry	1	10/21/21 15:18:52
Aroclor 1260	ND	0.0440	0.00875		mg/Kg-dry	1	10/21/21 15:18:52
Aroclor 1262	ND	0.0440	0.00875		mg/Kg-dry	1	10/21/21 15:18:52
Aroclor 1268	ND	0.0440	0.00875		mg/Kg-dry	1	10/21/21 15:18:52
Total PCBs	0.157	0.0440	0.00875		mg/Kg-dry	1	10/21/21 15:18:52
Surr: Decachlorobiphenyl	42.7	20.6 - 142			%Rec	1	10/21/21 15:18:52
Surr: Tetrachloro-m-xylene	32.7	22 - 157			%Rec	1	10/21/21 15:18:52
Total Metals by EPA Method 6020B				Batch ID: 34115			Analyst: EH
Copper	956	8.97	1.68	D	mg/Kg-dry	10	10/25/21 12:48:55
Sample Moisture (Percent Moisture)				Batch ID: R70685			Analyst: MCH
Percent Moisture	11.6	0.500	0.100		wt%	1	10/21/21 9:27:43

Analytical Report

Work Order: **2110287**
Date Reported: **10/25/2021**

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110287-003
Client Sample ID: **A4-SIDE26:2**

Collection Date: 10/20/2021 9:10:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34121			Analyst: SB
Aroclor 1016	ND	0.0409	0.00659		mg/Kg-dry	1	10/21/21 15:48:03
Aroclor 1221	ND	0.0409	0.00659		mg/Kg-dry	1	10/21/21 15:48:03
Aroclor 1232	ND	0.0409	0.00659		mg/Kg-dry	1	10/21/21 15:48:03
Aroclor 1242	ND	0.0409	0.00659		mg/Kg-dry	1	10/21/21 15:48:03
Aroclor 1248	ND	0.0409	0.00813		mg/Kg-dry	1	10/21/21 15:48:03
Aroclor 1254	0.0425	0.0409	0.00813		mg/Kg-dry	1	10/21/21 15:48:03
Aroclor 1260	ND	0.0409	0.00813		mg/Kg-dry	1	10/21/21 15:48:03
Aroclor 1262	ND	0.0409	0.00813		mg/Kg-dry	1	10/21/21 15:48:03
Aroclor 1268	ND	0.0409	0.00813		mg/Kg-dry	1	10/21/21 15:48:03
Total PCBs	0.0425	0.0409	0.00813		mg/Kg-dry	1	10/21/21 15:48:03
Surr: Decachlorobiphenyl	49.8	20.6 - 142			%Rec	1	10/21/21 15:48:03
Surr: Tetrachloro-m-xylene	29.0	22 - 157			%Rec	1	10/21/21 15:48:03
Total Metals by EPA Method 6020B				Batch ID: 34115			Analyst: EH
Copper	514	9.00	1.68	D	mg/Kg-dry	10	10/22/21 14:59:16
Sample Moisture (Percent Moisture)				Batch ID: R70685			Analyst: MCH
Percent Moisture	13.2	0.500	0.100		wt%	1	10/21/21 9:27:43

Revision v1

Analytical Report

Work Order: **2110287**
Date Reported: **10/25/2021**

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110287-004
Client Sample ID: **A4-SIDE26:6**

Collection Date: 10/20/2021 9:15:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34154			Analyst: SB
Aroclor 1016	ND	0.0495	0.00798		mg/Kg-dry	1	10/25/21 12:16:46
Aroclor 1221	ND	0.0495	0.00798		mg/Kg-dry	1	10/25/21 12:16:46
Aroclor 1232	ND	0.0495	0.00798		mg/Kg-dry	1	10/25/21 12:16:46
Aroclor 1242	ND	0.0495	0.00798		mg/Kg-dry	1	10/25/21 12:16:46
Aroclor 1248	ND	0.0495	0.00985		mg/Kg-dry	1	10/25/21 12:16:46
Aroclor 1254	0.451	0.0495	0.00985		mg/Kg-dry	1	10/25/21 12:16:46
Aroclor 1260	ND	0.0495	0.00985		mg/Kg-dry	1	10/25/21 12:16:46
Aroclor 1262	ND	0.0495	0.00985		mg/Kg-dry	1	10/25/21 12:16:46
Aroclor 1268	ND	0.0495	0.00985		mg/Kg-dry	1	10/25/21 12:16:46
Total PCBs	0.451	0.0495	0.00985		mg/Kg-dry	1	10/25/21 12:16:46
Surr: Decachlorobiphenyl	57.9	20.6 - 142			%Rec	1	10/25/21 12:16:46
Surr: Tetrachloro-m-xylene	53.4	22 - 157			%Rec	1	10/25/21 12:16:46
Total Metals by EPA Method 6020B				Batch ID: 34115			Analyst: EH
Copper	1,140	9.49	1.78	D	mg/Kg-dry	10	10/22/21 15:01:35
Sample Moisture (Percent Moisture)				Batch ID: R70685			Analyst: MCH
Percent Moisture	20.1	0.500	0.100		wt%	1	10/21/21 9:27:43

Analytical Report

Work Order: **2110287**
Date Reported: **10/25/2021**

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110287-005
Client Sample ID: **A4-SIDE27:2**

Collection Date: 10/20/2021 9:20:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34121			Analyst: SB
Aroclor 1016	ND	0.0404	0.00651		mg/Kg-dry	1	10/21/21 16:07:36
Aroclor 1221	ND	0.0404	0.00651		mg/Kg-dry	1	10/21/21 16:07:36
Aroclor 1232	ND	0.0404	0.00651		mg/Kg-dry	1	10/21/21 16:07:36
Aroclor 1242	ND	0.0404	0.00651		mg/Kg-dry	1	10/21/21 16:07:36
Aroclor 1248	ND	0.0404	0.00803		mg/Kg-dry	1	10/21/21 16:07:36
Aroclor 1254	0.397	0.0404	0.00803		mg/Kg-dry	1	10/21/21 16:07:36
Aroclor 1260	ND	0.0404	0.00803		mg/Kg-dry	1	10/21/21 16:07:36
Aroclor 1262	ND	0.0404	0.00803		mg/Kg-dry	1	10/21/21 16:07:36
Aroclor 1268	ND	0.0404	0.00803		mg/Kg-dry	1	10/21/21 16:07:36
Total PCBs	0.397	0.0404	0.00803		mg/Kg-dry	1	10/21/21 16:07:36
Surr: Decachlorobiphenyl	52.5	20.6 - 142			%Rec	1	10/21/21 16:07:36
Surr: Tetrachloro-m-xylene	42.9	22 - 157			%Rec	1	10/21/21 16:07:36
Total Metals by EPA Method 6020B				Batch ID: 34115			Analyst: EH
Copper	1,770	8.53	1.60	D	mg/Kg-dry	10	10/22/21 15:19:07
Sample Moisture (Percent Moisture)				Batch ID: R70685			Analyst: MCH
Percent Moisture	8.39	0.500	0.100		wt%	1	10/21/21 9:27:43

Revision v1

Analytical Report

Work Order: **2110287**
Date Reported: **10/25/2021**

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110287-006
Client Sample ID: **A4-SIDE27:6**

Collection Date: 10/20/2021 9:25:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34121			Analyst: SB
Aroclor 1016	ND	0.0442	0.00712		mg/Kg-dry	1	10/21/21 16:17:23
Aroclor 1221	ND	0.0442	0.00712		mg/Kg-dry	1	10/21/21 16:17:23
Aroclor 1232	ND	0.0442	0.00712		mg/Kg-dry	1	10/21/21 16:17:23
Aroclor 1242	ND	0.0442	0.00712		mg/Kg-dry	1	10/21/21 16:17:23
Aroclor 1248	ND	0.0442	0.00878		mg/Kg-dry	1	10/21/21 16:17:23
Aroclor 1254	0.0283	0.0442	0.00878	J	mg/Kg-dry	1	10/21/21 16:17:23
Aroclor 1260	ND	0.0442	0.00878		mg/Kg-dry	1	10/21/21 16:17:23
Aroclor 1262	ND	0.0442	0.00878		mg/Kg-dry	1	10/21/21 16:17:23
Aroclor 1268	ND	0.0442	0.00878		mg/Kg-dry	1	10/21/21 16:17:23
Total PCBs	0.0283	0.0442	0.00878	J	mg/Kg-dry	1	10/21/21 16:17:23
Surr: Decachlorobiphenyl	50.4	20.6 - 142			%Rec	1	10/21/21 16:17:23
Surr: Tetrachloro-m-xylene	47.2	22 - 157			%Rec	1	10/21/21 16:17:23
Total Metals by EPA Method 6020B				Batch ID: 34115			Analyst: EH
Copper	36.9	9.32	1.74	D	mg/Kg-dry	10	10/22/21 15:21:26
Sample Moisture (Percent Moisture)				Batch ID: R70685			Analyst: MCH
Percent Moisture	18.7	0.500	0.100		wt%	1	10/21/21 9:27:43

Analytical Report

Work Order: **2110287**
Date Reported: **10/25/2021**

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110287-007
Client Sample ID: **A4-SIDE28:2**

Collection Date: 10/20/2021 9:30:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34154			Analyst: SB
Aroclor 1016	ND	0.0497	0.00801		mg/Kg-dry	1	10/25/21 12:26:34
Aroclor 1221	ND	0.0497	0.00801		mg/Kg-dry	1	10/25/21 12:26:34
Aroclor 1232	ND	0.0497	0.00801		mg/Kg-dry	1	10/25/21 12:26:34
Aroclor 1242	ND	0.0497	0.00801		mg/Kg-dry	1	10/25/21 12:26:34
Aroclor 1248	ND	0.0497	0.00988		mg/Kg-dry	1	10/25/21 12:26:34
Aroclor 1254	0.293	0.0497	0.00988		mg/Kg-dry	1	10/25/21 12:26:34
Aroclor 1260	ND	0.0497	0.00988		mg/Kg-dry	1	10/25/21 12:26:34
Aroclor 1262	ND	0.0497	0.00988		mg/Kg-dry	1	10/25/21 12:26:34
Aroclor 1268	ND	0.0497	0.00988		mg/Kg-dry	1	10/25/21 12:26:34
Total PCBs	0.293	0.0497	0.00988		mg/Kg-dry	1	10/25/21 12:26:34
Surr: Decachlorobiphenyl	53.9	20.6 - 142			%Rec	1	10/25/21 12:26:34
Surr: Tetrachloro-m-xylene	51.1	22 - 157			%Rec	1	10/25/21 12:26:34
Total Metals by EPA Method 6020B				Batch ID: 34115			Analyst: EH
Copper	628	9.93	1.86	D	mg/Kg-dry	10	10/22/21 15:23:46
Sample Moisture (Percent Moisture)				Batch ID: R70685			Analyst: MCH
Percent Moisture	18.8	0.500	0.100		wt%	1	10/21/21 9:27:43

Revision v1

Analytical Report

Work Order: **2110287**
Date Reported: **10/25/2021**

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110287-008
Client Sample ID: **A4-SIDE28:6**

Collection Date: 10/20/2021 9:35:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34121			Analyst: SB
Aroclor 1016	ND	0.0497	0.00802		mg/Kg-dry	1	10/21/21 16:36:53
Aroclor 1221	ND	0.0497	0.00802		mg/Kg-dry	1	10/21/21 16:36:53
Aroclor 1232	ND	0.0497	0.00802		mg/Kg-dry	1	10/21/21 16:36:53
Aroclor 1242	ND	0.0497	0.00802		mg/Kg-dry	1	10/21/21 16:36:53
Aroclor 1248	ND	0.0497	0.00989		mg/Kg-dry	1	10/21/21 16:36:53
Aroclor 1254	0.0266	0.0497	0.00989	J	mg/Kg-dry	1	10/21/21 16:36:53
Aroclor 1260	ND	0.0497	0.00989		mg/Kg-dry	1	10/21/21 16:36:53
Aroclor 1262	ND	0.0497	0.00989		mg/Kg-dry	1	10/21/21 16:36:53
Aroclor 1268	ND	0.0497	0.00989		mg/Kg-dry	1	10/21/21 16:36:53
Total PCBs	0.0266	0.0497	0.00989	J	mg/Kg-dry	1	10/21/21 16:36:53
Surr: Decachlorobiphenyl	80.5	20.6 - 142			%Rec	1	10/21/21 16:36:53
Surr: Tetrachloro-m-xylene	78.0	22 - 157			%Rec	1	10/21/21 16:36:53
Total Metals by EPA Method 6020B				Batch ID: 34115			Analyst: EH
Copper	34.2	9.81	1.84	D	mg/Kg-dry	10	10/22/21 15:26:05
Sample Moisture (Percent Moisture)				Batch ID: R70685			Analyst: MCH
Percent Moisture	22.8	0.500	0.100		wt%	1	10/21/21 9:27:43

Analytical Report

Work Order: **2110287**
Date Reported: **10/25/2021**

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110287-009
Client Sample ID: **A4-SIDE102:6**

Collection Date: 10/20/2021 9:40:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34154			Analyst: SB
Aroclor 1016	ND	0.0484	0.00780		mg/Kg-dry	1	10/25/21 12:55:54
Aroclor 1221	ND	0.0484	0.00780		mg/Kg-dry	1	10/25/21 12:55:54
Aroclor 1232	ND	0.0484	0.00780		mg/Kg-dry	1	10/25/21 12:55:54
Aroclor 1242	ND	0.0484	0.00780		mg/Kg-dry	1	10/25/21 12:55:54
Aroclor 1248	ND	0.0484	0.00963		mg/Kg-dry	1	10/25/21 12:55:54
Aroclor 1254	0.0160	0.0484	0.00963	J	mg/Kg-dry	1	10/25/21 12:55:54
Aroclor 1260	ND	0.0484	0.00963		mg/Kg-dry	1	10/25/21 12:55:54
Aroclor 1262	ND	0.0484	0.00963		mg/Kg-dry	1	10/25/21 12:55:54
Aroclor 1268	ND	0.0484	0.00963		mg/Kg-dry	1	10/25/21 12:55:54
Total PCBs	0.0160	0.0484	0.00963	J	mg/Kg-dry	1	10/25/21 12:55:54
Surr: Decachlorobiphenyl	135	20.6 - 142			%Rec	1	10/25/21 12:55:54
Surr: Tetrachloro-m-xylene	140	22 - 157			%Rec	1	10/25/21 12:55:54
Total Metals by EPA Method 6020B				Batch ID: 34115			Analyst: EH
Copper	37.4	9.35	1.75	D	mg/Kg-dry	10	10/22/21 15:28:24
Sample Moisture (Percent Moisture)				Batch ID: R70685			Analyst: MCH
Percent Moisture	19.6	0.500	0.100		wt%	1	10/21/21 9:27:43

Analytical Report

Work Order: **2110287**
Date Reported: **10/25/2021**

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110287-010
Client Sample ID: **A3-SIDE38:2.5**

Collection Date: 10/20/2021 12:35:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34121			Analyst: SB
Aroclor 1016	ND	0.0419	0.00675		mg/Kg-dry	1	10/21/21 16:56:23
Aroclor 1221	ND	0.0419	0.00675		mg/Kg-dry	1	10/21/21 16:56:23
Aroclor 1232	ND	0.0419	0.00675		mg/Kg-dry	1	10/21/21 16:56:23
Aroclor 1242	ND	0.0419	0.00675		mg/Kg-dry	1	10/21/21 16:56:23
Aroclor 1248	ND	0.0419	0.00832		mg/Kg-dry	1	10/21/21 16:56:23
Aroclor 1254	0.00957	0.0419	0.00832	J	mg/Kg-dry	1	10/21/21 16:56:23
Aroclor 1260	ND	0.0419	0.00832		mg/Kg-dry	1	10/21/21 16:56:23
Aroclor 1262	ND	0.0419	0.00832		mg/Kg-dry	1	10/21/21 16:56:23
Aroclor 1268	ND	0.0419	0.00832		mg/Kg-dry	1	10/21/21 16:56:23
Total PCBs	0.00957	0.0419	0.00832	J	mg/Kg-dry	1	10/21/21 16:56:23
Surr: Decachlorobiphenyl	64.1	20.6 - 142			%Rec	1	10/21/21 16:56:23
Surr: Tetrachloro-m-xylene	50.7	22 - 157			%Rec	1	10/21/21 16:56:23
Gasoline by NWTPH-Gx				Batch ID: 34136			Analyst: CR
Gasoline	ND	5.36	2.14		mg/Kg-dry	1	10/22/21 12:45:05
Surr: Toluene-d8	101	65 - 135			%Rec	1	10/22/21 12:45:05
Surr: 4-Bromofluorobenzene	94.1	65 - 135			%Rec	1	10/22/21 12:45:05
Total Metals by EPA Method 6020B				Batch ID: 34115			Analyst: EH
Copper	103	8.29	1.55	D	mg/Kg-dry	10	10/22/21 15:30:44
Sample Moisture (Percent Moisture)				Batch ID: R70685			Analyst: MCH
Percent Moisture	7.22	0.500	0.100		wt%	1	10/21/21 9:27:43

Analytical Report

Work Order: **2110287**
Date Reported: **10/25/2021**

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110287-011
Client Sample ID: **Trip Blank**

Collection Date: 10/20/2021
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 34136			Analyst: CR
Gasoline	ND	5.00	2.00		mg/Kg	1	10/22/21 12:14:57
Surr: Toluene-d8	100	65 - 135			%Rec	1	10/22/21 12:14:57
Surr: 4-Bromofluorobenzene	94.9	65 - 135			%Rec	1	10/22/21 12:14:57

Analytical Report

Work Order: **2110287**
Date Reported: **10/25/2021**

Client: Shannon & Wilson
Collection Date: 10/20/2021 1:25:00 PM
Project: 8801 - Excavations
Lab ID: 2110287-012
Matrix: Soil
Client Sample ID: A2-SIDE16:2

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 34123			Analyst: SB
Benz(a)anthracene	935	19.4	2.45		µg/Kg-dry	1	10/21/21 14:12:43
Chrysene	1,000	38.9	7.04		µg/Kg-dry	1	10/21/21 14:12:43
Benzo(b)fluoranthene	627	19.4	2.10		µg/Kg-dry	1	10/21/21 14:12:43
Benzo(k)fluoranthene	859	19.4	2.63		µg/Kg-dry	1	10/21/21 14:12:43
Benzo(a)pyrene	1,010	19.4	2.19		µg/Kg-dry	1	10/21/21 14:12:43
Indeno(1,2,3-cd)pyrene	518	38.9	6.94		µg/Kg-dry	1	10/21/21 14:12:43
Dibenz(a,h)anthracene	222	38.9	8.50		µg/Kg-dry	1	10/21/21 14:12:43
Surr: 2-Fluorobiphenyl	71.5	27.9 - 129			%Rec	1	10/21/21 14:12:43
Surr: Terphenyl-d14 (surr)	88.0	39.1 - 145	0		%Rec	1	10/21/21 14:12:43
Sample Moisture (Percent Moisture)				Batch ID: R70685			Analyst: MCH
Percent Moisture	4.83	0.500	0.100		wt%	1	10/21/21 9:27:43

Analytical Report

Work Order: **2110287**
Date Reported: **10/25/2021**

Client: Shannon & Wilson
Project: 8801 - Excavations
Lab ID: 2110287-013
Client Sample ID: **A2-BOT7:4**

Collection Date: 10/20/2021 1:30:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 34123			Analyst: SB
Benz(a)anthracene	ND	22.4	2.82		µg/Kg-dry	1	10/21/21 15:18:05
Chrysene	ND	44.8	8.12		µg/Kg-dry	1	10/21/21 15:18:05
Benzo(b)fluoranthene	ND	22.4	2.42		µg/Kg-dry	1	10/21/21 15:18:05
Benzo(k)fluoranthene	ND	22.4	3.03		µg/Kg-dry	1	10/21/21 15:18:05
Benzo(a)pyrene	ND	22.4	2.52		µg/Kg-dry	1	10/21/21 15:18:05
Indeno(1,2,3-cd)pyrene	ND	44.8	8.00		µg/Kg-dry	1	10/21/21 15:18:05
Dibenz(a,h)anthracene	ND	44.8	9.79		µg/Kg-dry	1	10/21/21 15:18:05
Surr: 2-Fluorobiphenyl	66.1	27.9 - 129			%Rec	1	10/21/21 15:18:05
Surr: Terphenyl-d14 (surr)	82.9	39.1 - 145	0		%Rec	1	10/21/21 15:18:05
Sample Moisture (Percent Moisture)				Batch ID: R70685			Analyst: MCH
Percent Moisture	19.9	0.500	0.100		wt%	1	10/21/21 9:27:43

Analytical Report

Work Order: **2110287**
Date Reported: **10/25/2021**

Client: Shannon & Wilson
Collection Date: 10/20/2021 1:45:00 PM
Project: 8801 - Excavations
Lab ID: 2110287-014
Matrix: Soil
Client Sample ID: A2-SIDE15:2

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 34123			Analyst: SB
Benz(a)anthracene	282	22.7	2.85		µg/Kg-dry	1	10/21/21 15:39:52
Chrysene	335	45.3	8.21		µg/Kg-dry	1	10/21/21 15:39:52
Benzo(b)fluoranthene	254	22.7	2.45		µg/Kg-dry	1	10/21/21 15:39:52
Benzo(k)fluoranthene	272	22.7	3.07		µg/Kg-dry	1	10/21/21 15:39:52
Benzo(a)pyrene	322	22.7	2.55		µg/Kg-dry	1	10/21/21 15:39:52
Indeno(1,2,3-cd)pyrene	194	45.3	8.09		µg/Kg-dry	1	10/21/21 15:39:52
Dibenz(a,h)anthracene	93.6	45.3	9.91		µg/Kg-dry	1	10/21/21 15:39:52
Surr: 2-Fluorobiphenyl	68.6	27.9 - 129			%Rec	1	10/21/21 15:39:52
Surr: Terphenyl-d14 (surr)	83.2	39.1 - 145	0		%Rec	1	10/21/21 15:39:52
Sample Moisture (Percent Moisture)				Batch ID: R70685			Analyst: MCH
Percent Moisture	15.4	0.500	0.100		wt%	1	10/21/21 9:27:43

Work Order: 2110287
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **ICB-34115**	SampType: **ICB**	Units: **µg/L**	Prep Date: **10/22/2021**	RunNo: **70737**
Client ID: **ICB**	Batch ID: **34115**		Analysis Date: **10/22/2021**	SeqNo: **1438855**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICV-34115**	SampType: **ICV**	Units: **µg/L**	Prep Date: **10/22/2021**	RunNo: **70737**
Client ID: **ICV**	Batch ID: **34115**		Analysis Date: **10/22/2021**	SeqNo: **1438856**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	98.1	10.0	100.0	0	98.1	90	110				

Sample ID: **MB-34115**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **10/21/2021**	RunNo: **70737**
Client ID: **MBLKS**	Batch ID: **34115**		Analysis Date: **10/22/2021**	SeqNo: **1438860**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.800									

Sample ID: **LCS-34115**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **10/21/2021**	RunNo: **70737**
Client ID: **LCSS**	Batch ID: **34115**		Analysis Date: **10/22/2021**	SeqNo: **1438861**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	35.7	0.763	38.17	0	93.6	80	120				

Sample ID: **2110287-002AMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **10/21/2021**	RunNo: **70737**
Client ID: **A4-SIDE25:6**	Batch ID: **34115**		Analysis Date: **10/22/2021**	SeqNo: **1438864**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	851	0.890	44.52	717.5	299	75	125				ES

NOTES:
S - Analyte concentration was too high for accurate spike recovery(ies) for Cu.

Work Order: 2110287
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **2110287-002AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **10/21/2021** RunNo: **70737**
Client ID: **A4-SIDE25:6** Batch ID: **34115** Analysis Date: **10/22/2021** SeqNo: **1438865**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	736	0.897	44.87	717.5	41.0	75	125	850.8	14.5	20	SE

NOTES:
S - Analyte concentration was too high for accurate spike recovery(ies) for Cu.

Sample ID: **2110287-002APDS** SampType: **PDS** Units: **mg/Kg-dry** Prep Date: **10/21/2021** RunNo: **70737**
Client ID: **A4-SIDE25:6** Batch ID: **34115** Analysis Date: **10/22/2021** SeqNo: **1438866**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	750	0.897	44.9	718	72.4	75	125				SE

NOTES:
S - Analyte concentration was too high for accurate spike recovery(ies).

Sample ID: **CCV-34115A** SampType: **CCV** Units: **µg/L** Prep Date: **10/22/2021** RunNo: **70737**
Client ID: **CCV** Batch ID: **34115** Analysis Date: **10/22/2021** SeqNo: **1438870**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	102	10.0	100.0	0	102	90	110				

Sample ID: **CCB-34115A** SampType: **CCB** Units: **µg/L** Prep Date: **10/22/2021** RunNo: **70737**
Client ID: **CCB** Batch ID: **34115** Analysis Date: **10/22/2021** SeqNo: **1438871**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-34115B** SampType: **CCV** Units: **µg/L** Prep Date: **10/22/2021** RunNo: **70737**
Client ID: **CCV** Batch ID: **34115** Analysis Date: **10/22/2021** SeqNo: **1438898**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	90.5	10.0	100.0	0	90.5	90	110				

Work Order: 2110287
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCB-34115B**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/22/2021**			RunNo: **70737**		
Client ID: **CCB**	Batch ID: **34115**					Analysis Date: **10/22/2021**			SeqNo: **1438899**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICB-34115A**	SampType: **ICB**			Units: **µg/L**		Prep Date: **10/22/2021**			RunNo: **70737**		
Client ID: **ICB**	Batch ID: **34115**					Analysis Date: **10/22/2021**			SeqNo: **1439106**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICV-34115A**	SampType: **ICV**			Units: **µg/L**		Prep Date: **10/22/2021**			RunNo: **70737**		
Client ID: **ICV**	Batch ID: **34115**					Analysis Date: **10/22/2021**			SeqNo: **1439107**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	100	10.0	100.0	0	100	90	110				

Sample ID: **CCV-34115C**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/22/2021**			RunNo: **70737**		
Client ID: **CCV**	Batch ID: **34115**					Analysis Date: **10/22/2021**			SeqNo: **1439111**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	90.4	10.0	100.0	0	90.4	90	110				

Sample ID: **CCB-34115C**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/22/2021**			RunNo: **70737**		
Client ID: **CCB**	Batch ID: **34115**					Analysis Date: **10/22/2021**			SeqNo: **1439112**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Work Order: 2110287
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-34115D**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/22/2021**		RunNo: **70737**			
Client ID: **CCV**	Batch ID: **34115**					Analysis Date: **10/22/2021**		SeqNo: **1439117**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	98.2	10.0	100.0	0	98.2	90	110				

Sample ID: **CCB-34115D**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/22/2021**		RunNo: **70737**			
Client ID: **CCB**	Batch ID: **34115**					Analysis Date: **10/22/2021**		SeqNo: **1439118**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-34115E**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/22/2021**		RunNo: **70737**			
Client ID: **CCV**	Batch ID: **34115**					Analysis Date: **10/22/2021**		SeqNo: **1439124**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	96.5	10.0	100.0	0	96.5	90	110				

Sample ID: **CCB-34115E**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/22/2021**		RunNo: **70737**			
Client ID: **CCB**	Batch ID: **34115**					Analysis Date: **10/22/2021**		SeqNo: **1439125**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICB-34115B**	SampType: **ICB**			Units: **µg/L**		Prep Date: **10/25/2021**		RunNo: **70737**			
Client ID: **ICB**	Batch ID: **34115**					Analysis Date: **10/25/2021**		SeqNo: **1439275**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Work Order: 2110287
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **ICV-34115B**	SampType: **ICV**			Units: **µg/L**		Prep Date: **10/25/2021**		RunNo: **70737**			
Client ID: **ICV**	Batch ID: **34115**					Analysis Date: **10/25/2021**		SeqNo: **1439276**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	103	10.0	100.0	0	103	90	110				

Sample ID: **CCV-34115F**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/25/2021**		RunNo: **70737**			
Client ID: **CCV**	Batch ID: **34115**					Analysis Date: **10/25/2021**		SeqNo: **1439284**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	103	10.0	100.0	0	103	90	110				

Sample ID: **CCB-34115F**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/25/2021**		RunNo: **70737**			
Client ID: **CCB**	Batch ID: **34115**					Analysis Date: **10/25/2021**		SeqNo: **1439285**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Work Order: 2110287
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **PAH ICB** SampType: **ICB** Units: **µg/L** Prep Date: **8/23/2021** RunNo: **69441**
Client ID: **ICB** Batch ID: **34123** Analysis Date: **8/23/2021** SeqNo: **1406963**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	20.0									
2-Methylnaphthalene	ND	20.0									
1-Methylnaphthalene	ND	20.0									
2-Chloronaphthalene	ND	20.0									
Acenaphthene	ND	20.0									
Dimethyl phthalate	ND	50.0									
Acenaphthylene	ND	20.0									
Dibenzofuran	ND	40.0									
Fluorene	ND	20.0									
Diethyl phthalate	ND	20.0									
Pentachlorophenol	ND	80.0									
Phenanthrene	ND	40.0									
Anthracene	ND	40.0									
Carbazole	ND	20.0									
Di-n-butyl phthalate	ND	40.0									
Fluoranthene	ND	40.0									
Pyrene	ND	40.0									
Butylbenzylphthalate	ND	20.0									
Benz(a)anthracene	ND	20.0									
Chrysene	ND	40.0									
Bis(2-ethylhexyl) phthalate	ND	20.0									
Di-n-octyl phthalate	ND	20.0									
Benzo(b)fluoranthene	ND	20.0									
Benzo(k)fluoranthene	ND	20.0									
Benzo(a)pyrene	ND	20.0									
Indeno(1,2,3-cd)pyrene	ND	40.0									
Dibenz(a,h)anthracene	ND	40.0									
Benzo(g,h,i)perylene	ND	20.0									
Surr: 2,4,6-Tribromophenol	927		1,000		92.7	14	136				
Surr: 2-Fluorobiphenyl	474		500.0		94.8	50.4	142				

Work Order: 2110287
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **PAH ICB** SampType: **ICB** Units: **µg/L** Prep Date: **8/23/2021** RunNo: **69441**
Client ID: **ICB** Batch ID: **34123** Analysis Date: **8/23/2021** SeqNo: **1406963**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Terphenyl-d14 (surr)	505		500.0		101	48.8	157				

Sample ID: **PAH ICV** SampType: **ICV** Units: **µg/L** Prep Date: **8/23/2021** RunNo: **69441**
Client ID: **ICV** Batch ID: **34123** Analysis Date: **8/23/2021** SeqNo: **1406964**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,020	20.0	1,000	0	102	70	130				
2-Methylnaphthalene	1,020	20.0	1,000	0	102	70	130				
1-Methylnaphthalene	1,040	20.0	1,000	0	104	70	130				
2-Chloronaphthalene	1,040	20.0	1,000	0	104	70	130				
Acenaphthene	979	20.0	1,000	0	97.9	70	130				
Dimethyl phthalate	1,040	50.0	1,000	0	104	70	130				
Acenaphthylene	1,040	20.0	1,000	0	104	70	130				
Dibenzofuran	1,040	40.0	1,000	0	104	70	130				
Fluorene	1,040	20.0	1,000	0	104	70	130				
Diethyl phthalate	1,040	20.0	1,000	0	104	70	130				
Pentachlorophenol	991	80.0	1,000	0	99.1	70	130				
Phenanthrene	1,020	40.0	1,000	0	102	70	130				
Anthracene	1,030	40.0	1,000	0	103	70	130				
Carbazole	1,050	20.0	1,000	0	105	70	130				
Di-n-butyl phthalate	1,040	40.0	1,000	0	104	70	130				
Fluoranthene	1,040	40.0	1,000	0	104	70	130				
Pyrene	1,030	40.0	1,000	0	103	70	130				
Butylbenzylphthalate	1,040	20.0	1,000	0	104	70	130				
Benz(a)anthracene	1,030	20.0	1,000	0	103	70	130				
Chrysene	1,040	40.0	1,000	0	104	70	130				
Bis(2-ethylhexyl) phthalate	1,040	20.0	1,000	0	104	70	130				
Di-n-octyl phthalate	1,040	20.0	1,000	0	104	70	130				
Benzo(b)fluoranthene	1,080	20.0	1,000	0	108	70	130				
Benzo(k)fluoranthene	1,040	20.0	1,000	0	104	70	130				

Work Order: 2110287
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **PAH ICV** SampType: **ICV** Units: **µg/L** Prep Date: **8/23/2021** RunNo: **69441**
Client ID: **ICV** Batch ID: **34123** Analysis Date: **8/23/2021** SeqNo: **1406964**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	1,150	20.0	1,000	0	115	70	130				
Indeno(1,2,3-cd)pyrene	1,040	40.0	1,000	0	104	70	130				
Dibenz(a,h)anthracene	1,050	40.0	1,000	0	105	70	130				
Benzo(g,h,i)perylene	1,060	20.0	1,000	0	106	70	130				
Surr: 2,4,6-Tribromophenol	1,040		1,000		104	67.8	127				
Surr: 2-Fluorobiphenyl	524		500.0		105	60.9	160				
Surr: Terphenyl-d14 (surr)	524		500.0		105	62.2	159				

Sample ID: **CCV-34123** SampType: **CCV** Units: **µg/L** Prep Date: **10/21/2021** RunNo: **70723**
Client ID: **CCV** Batch ID: **34123** Analysis Date: **10/21/2021** SeqNo: **1438343**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	991	20.0	1,000	0	99.1	80	120				
Chrysene	957	40.0	1,000	0	95.7	80	120				
Benzo(b)fluoranthene	890	20.0	1,000	0	89.0	80	120				
Benzo(k)fluoranthene	988	20.0	1,000	0	98.8	80	120				
Benzo(a)pyrene	945	20.0	1,000	0	94.5	80	120				
Indeno(1,2,3-cd)pyrene	957	40.0	1,000	0	95.7	80	120				
Dibenz(a,h)anthracene	955	40.0	1,000	0	95.5	80	120				
Surr: 2-Fluorobiphenyl	470		500.0		94.1	69.5	150				
Surr: Terphenyl-d14 (surr)	503		500.0		101	71.6	145				

Sample ID: **MB-34123** SampType: **MBLK** Units: **µg/Kg** Prep Date: **10/21/2021** RunNo: **70723**
Client ID: **MBLKS** Batch ID: **34123** Analysis Date: **10/21/2021** SeqNo: **1438344**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	ND	20.0									
Chrysene	ND	40.0									
Benzo(b)fluoranthene	ND	20.0									

Work Order: 2110287
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **MB-34123**	SampType: **MBLK**	Units: **µg/Kg**	Prep Date: **10/21/2021**	RunNo: **70723**
Client ID: **MBLKS**	Batch ID: **34123**		Analysis Date: **10/21/2021**	SeqNo: **1438344**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	ND	20.0									
Benzo(a)pyrene	ND	20.0									
Indeno(1,2,3-cd)pyrene	ND	40.0									
Dibenz(a,h)anthracene	ND	40.0									
Surr: 2-Fluorobiphenyl	841		1,000		84.1	27.9	129				
Surr: Terphenyl-d14 (surr)	1,050		1,000		105	39.1	145				

Sample ID: **LCS-34123**	SampType: **LCS**	Units: **µg/Kg**	Prep Date: **10/21/2021**	RunNo: **70723**
Client ID: **LCSS**	Batch ID: **34123**		Analysis Date: **10/21/2021**	SeqNo: **1438345**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,850	20.0	2,000	0	92.4	64.4	113				
Chrysene	1,800	40.0	2,000	0	90.0	57.3	113				
Benzo(b)fluoranthene	1,660	20.0	2,000	0	83.0	58.2	115				
Benzo(k)fluoranthene	2,030	20.0	2,000	0	102	53.4	121				
Benzo(a)pyrene	2,000	20.0	2,000	0	100	64.7	125				
Indeno(1,2,3-cd)pyrene	1,780	40.0	2,000	0	88.8	61.6	113				
Dibenz(a,h)anthracene	1,840	40.0	2,000	0	92.1	62.1	116				
Surr: 2-Fluorobiphenyl	910		1,000		91.0	27.9	129				
Surr: Terphenyl-d14 (surr)	1,090		1,000		109	39.1	145				

Sample ID: **2110287-012AMS**	SampType: **MS**	Units: **µg/Kg-dry**	Prep Date: **10/21/2021**	RunNo: **70723**
Client ID: **A2-SIDE16:2**	Batch ID: **34123**		Analysis Date: **10/21/2021**	SeqNo: **1438347**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	2,610	20.9	2,087	935.4	80.1	45	110				
Chrysene	2,560	41.7	2,087	1,002	74.7	42.4	106				
Benzo(b)fluoranthene	2,200	20.9	2,087	626.9	75.2	43.7	108				
Benzo(k)fluoranthene	2,410	20.9	2,087	858.9	74.3	39.5	113				

Work Order: 2110287
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **2110287-012AMS** SampType: **MS** Units: **µg/Kg-dry** Prep Date: **10/21/2021** RunNo: **70723**
Client ID: **A2-SIDE16:2** Batch ID: **34123** Analysis Date: **10/21/2021** SeqNo: **1438347**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	2,740	20.9	2,087	1,007	82.9	44.1	122				
Indeno(1,2,3-cd)pyrene	1,980	41.7	2,087	518.1	69.9	40.2	109				
Dibenz(a,h)anthracene	1,720	41.7	2,087	222.1	71.8	31.4	126				
Surr: 2-Fluorobiphenyl	713		1,043		68.3	27.9	129				
Surr: Terphenyl-d14 (surr)	863		1,043		82.7	39.1	145				

Sample ID: **2110287-012AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **10/21/2021** RunNo: **70723**
Client ID: **A2-SIDE16:2** Batch ID: **34123** Analysis Date: **10/21/2021** SeqNo: **1438348**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	2,050	20.0	2,001	935.4	55.7	45	110	2,606	23.9	30	
Chrysene	2,020	40.0	2,001	1,002	50.9	42.4	106	2,562	23.6	30	
Benzo(b)fluoranthene	1,980	20.0	2,001	626.9	67.8	43.7	108	2,195	10.1	30	
Benzo(k)fluoranthene	1,780	20.0	2,001	858.9	45.9	39.5	113	2,410	30.2	30	R
Benzo(a)pyrene	2,190	20.0	2,001	1,007	59.2	44.1	122	2,737	22.1	30	
Indeno(1,2,3-cd)pyrene	1,690	40.0	2,001	518.1	58.8	40.2	109	1,976	15.3	30	
Dibenz(a,h)anthracene	1,540	40.0	2,001	222.1	66.1	31.4	126	1,721	10.8	30	
Surr: 2-Fluorobiphenyl	674		1,001		67.4	27.9	129		0		
Surr: Terphenyl-d14 (surr)	809		1,001		80.9	39.1	145		0		

NOTES:
R - High RPD indicates matrix interference.

Work Order: 2110287
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1660 ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICB**	Batch ID: **34121**		Analysis Date: **9/30/2021**	SeqNo: **1425542**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1260	ND	0.0500									
Surr: Decachlorobiphenyl	216		200.0		108	50.2	159				
Surr: Tetrachloro-m-xylene	188		200.0		94.0	60.3	134				

Sample ID: **1660 ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICV**	Batch ID: **34121**		Analysis Date: **9/30/2021**	SeqNo: **1425544**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.845	0.0500	1.000	0	84.5	80	120				
Surr: Decachlorobiphenyl	162		200.0		81.0	30.2	155				
Surr: Tetrachloro-m-xylene	160		200.0		79.9	58.8	143				

Sample ID: **1254 ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICB**	Batch ID: **34121**		Analysis Date: **9/30/2021**	SeqNo: **1425552**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	ND	0.0500									
Surr: Decachlorobiphenyl	219		200.0		110	50.2	159				
Surr: Tetrachloro-m-xylene	214		200.0		107	60.3	134				

Sample ID: **1254 ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICV**	Batch ID: **34121**		Analysis Date: **9/30/2021**	SeqNo: **1425553**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.08	0.0500	1.000	0	108	80	120				
Surr: Decachlorobiphenyl	204		200.0		102	30.2	155				
Surr: Tetrachloro-m-xylene	203		200.0		101	58.8	143				

Work Order: 2110287
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1660-CCV-34121A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/21/2021**	RunNo: **70718**
Client ID: **CCV**	Batch ID: **34121**		Analysis Date: **10/21/2021**	SeqNo: **1438318**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.14	0.0500	1.000	0	114	80	120				
Aroclor 1260	1.11	0.0500	1.000	0	111	80	120				
Surr: Decachlorobiphenyl	217		200.0		109	30.2	155				
Surr: Tetrachloro-m-xylene	219		200.0		110	58.8	143				

Sample ID: **1254-CCV-34121A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/21/2021**	RunNo: **70718**
Client ID: **CCV**	Batch ID: **34121**		Analysis Date: **10/21/2021**	SeqNo: **1438255**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.15	0.0500	1.000	0	115	80	120				
Surr: Decachlorobiphenyl	210		200.0		105	30.2	155				
Surr: Tetrachloro-m-xylene	213		200.0		107	58.8	143				

Sample ID: **MB-34121**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **10/21/2021**	RunNo: **70718**
Client ID: **MBLKS**	Batch ID: **34121**		Analysis Date: **10/21/2021**	SeqNo: **1438256**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1221	ND	0.0500									
Aroclor 1232	ND	0.0500									
Aroclor 1242	ND	0.0500									
Aroclor 1248	ND	0.0500									
Aroclor 1254	ND	0.0500									
Aroclor 1260	ND	0.0500									
Aroclor 1262	ND	0.0500									
Aroclor 1268	ND	0.0500									
Total PCBs	ND	0.0500									
Surr: Decachlorobiphenyl	259		200.0		129	20.6	142				
Surr: Tetrachloro-m-xylene	241		200.0		120	22	157				

Work Order: 2110287
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **MB-34121**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **10/21/2021**	RunNo: **70718**
Client ID: **MBLKS**	Batch ID: **34121**		Analysis Date: **10/21/2021**	SeqNo: **1438256**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **LCS1-34121**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **10/21/2021**	RunNo: **70718**
Client ID: **LCSS**	Batch ID: **34121**		Analysis Date: **10/21/2021**	SeqNo: **1438257**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.18	0.0500	1.000	0	118	52.2	136				
Aroclor 1260	1.21	0.0500	1.000	0	121	50.5	150				
Surr: Decachlorobiphenyl	232		200.0		116	20.6	142				
Surr: Tetrachloro-m-xylene	214		200.0		107	22	157				

Sample ID: **LCS2-34121**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **10/21/2021**	RunNo: **70718**
Client ID: **LCSS**	Batch ID: **34121**		Analysis Date: **10/21/2021**	SeqNo: **1438258**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.25	0.0500	1.000	0	125	48.1	147				
Surr: Decachlorobiphenyl	258		200.0		129	20.6	142				
Surr: Tetrachloro-m-xylene	250		200.0		125	22	157				

Sample ID: **2110287-002AMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **10/21/2021**	RunNo: **70718**
Client ID: **A4-SIDE25:6**	Batch ID: **34121**		Analysis Date: **10/21/2021**	SeqNo: **1438261**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.905	0.0404	0.8088	0	112	38.6	146				
Aroclor 1260	0.859	0.0404	0.8088	0	106	24.6	161				
Surr: Decachlorobiphenyl	96.9		161.8		59.9	20.6	142				
Surr: Tetrachloro-m-xylene	95.4		161.8		59.0	22	157				

Work Order: 2110287
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **2110287-002AMSD**	SampType: **MSD**	Units: **mg/Kg-dry**	Prep Date: **10/21/2021**	RunNo: **70718**
Client ID: **A4-SIDE25:6**	Batch ID: **34121**		Analysis Date: **10/21/2021**	SeqNo: **1438262**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.01	0.0431	0.8625	0	117	38.6	146	0.9049	11.0	30	
Aroclor 1260	1.00	0.0431	0.8625	0	116	24.6	161	0.8588	15.6	30	
Surr: Decachlorobiphenyl	105		172.5		61.1	20.6	142		0		
Surr: Tetrachloro-m-xylene	111		172.5		64.2	22	157		0		

Sample ID: **1660-CCV-34121B**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/21/2021**	RunNo: **70718**
Client ID: **CCV**	Batch ID: **34121**		Analysis Date: **10/21/2021**	SeqNo: **1438273**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.965	0.0500	1.000	0	96.5	80	120				
Aroclor 1260	0.925	0.0500	1.000	0	92.5	80	120				
Surr: Decachlorobiphenyl	192		200.0		95.8	30.2	155				
Surr: Tetrachloro-m-xylene	196		200.0		98.0	58.8	143				

Sample ID: **1254-CCV-34121B**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/21/2021**	RunNo: **70718**
Client ID: **CCV**	Batch ID: **34121**		Analysis Date: **10/21/2021**	SeqNo: **1438274**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.02	0.0500	1.000	0	102	80	120				
Surr: Decachlorobiphenyl	194		200.0		96.9	30.2	155				
Surr: Tetrachloro-m-xylene	198		200.0		98.9	58.8	143				

Sample ID: **1660-CCV-34154A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/25/2021**	RunNo: **70766**
Client ID: **CCV**	Batch ID: **34154**		Analysis Date: **10/25/2021**	SeqNo: **1439286**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.929	0.0500	1.000	0	92.9	80	120				
Aroclor 1260	0.984	0.0500	1.000	0	98.4	80	120				
Surr: Decachlorobiphenyl	236		200.0		118	30.2	155				

Work Order: 2110287
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1660-CCV-34154A**	SampType: **CCV**			Units: **mg/Kg**		Prep Date: **10/25/2021**		RunNo: **70766**		
Client ID: **CCV**	Batch ID: **34154**					Analysis Date: **10/25/2021**		SeqNo: **1439286**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	190		200.0		95.0	58.8	143				

Sample ID: **1254-CCV-34154A**	SampType: **CCV**			Units: **mg/Kg**		Prep Date: **10/25/2021**		RunNo: **70766**		
Client ID: **CCV**	Batch ID: **34154**					Analysis Date: **10/25/2021**		SeqNo: **1439287**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.06	0.0500	1.000	0	106	80	120				
Surr: Decachlorobiphenyl	236		200.0		118	30.2	155				
Surr: Tetrachloro-m-xylene	192		200.0		96.0	58.8	143				

Sample ID: **MB-34154**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **10/25/2021**		RunNo: **70766**		
Client ID: **MBLKS**	Batch ID: **34154**					Analysis Date: **10/25/2021**		SeqNo: **1439288**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1221	ND	0.0500									
Aroclor 1232	ND	0.0500									
Aroclor 1242	ND	0.0500									
Aroclor 1248	ND	0.0500									
Aroclor 1254	ND	0.0500									
Aroclor 1260	ND	0.0500									
Aroclor 1262	ND	0.0500									
Aroclor 1268	ND	0.0500									
Total PCBs	ND	0.0500									
Surr: Decachlorobiphenyl	182		200.0		90.9	20.6	142				
Surr: Tetrachloro-m-xylene	198		200.0		98.9	22	157				

Work Order: 2110287
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **LCS1-34154**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **10/25/2021**	RunNo: **70766**
Client ID: **LCSS**	Batch ID: **34154**		Analysis Date: **10/25/2021**	SeqNo: **1439289**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.968	0.0500	1.000	0	96.8	52.2	136				
Aroclor 1260	1.01	0.0500	1.000	0	101	50.5	150				
Surr: Decachlorobiphenyl	242		200.0		121	20.6	142				
Surr: Tetrachloro-m-xylene	195		200.0		97.3	22	157				

Sample ID: **LCS2-34154**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **10/25/2021**	RunNo: **70766**
Client ID: **LCSS**	Batch ID: **34154**		Analysis Date: **10/25/2021**	SeqNo: **1439290**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.950	0.0500	1.000	0	95.0	48.1	147				
Surr: Decachlorobiphenyl	221		200.0		110	20.6	142				
Surr: Tetrachloro-m-xylene	204		200.0		102	22	157				

Sample ID: **2110287-007AMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **10/25/2021**	RunNo: **70766**
Client ID: **A4-SIDE28:2**	Batch ID: **34154**		Analysis Date: **10/25/2021**	SeqNo: **1439293**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.06	0.0468	0.9352	0	113	38.6	146				
Aroclor 1260	0.890	0.0468	0.9352	0	95.2	24.6	161				
Surr: Decachlorobiphenyl	139		187.0		74.5	20.6	142				
Surr: Tetrachloro-m-xylene	138		187.0		73.8	22	157				

Sample ID: **2110287-007AMSD**	SampType: **MSD**	Units: **mg/Kg-dry**	Prep Date: **10/25/2021**	RunNo: **70766**
Client ID: **A4-SIDE28:2**	Batch ID: **34154**		Analysis Date: **10/25/2021**	SeqNo: **1439294**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.14	0.0463	0.9261	0	123	38.6	146	1.057	7.75	30	
Aroclor 1260	1.07	0.0463	0.9261	0	115	24.6	161	0.8901	18.0	30	
Surr: Decachlorobiphenyl	184		185.2		99.4	20.6	142		0		

Work Order: 2110287
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **2110287-007AMSD**	SampType: **MSD**	Units: **mg/Kg-dry**	Prep Date: **10/25/2021**	RunNo: **70766**
Client ID: **A4-SIDE28:2**	Batch ID: **34154**		Analysis Date: **10/25/2021**	SeqNo: **1439294**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	161		185.2		86.8	22	157		0		

Sample ID: **1660-CCV-34154B**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/25/2021**	RunNo: **70766**
Client ID: **CCV**	Batch ID: **34154**		Analysis Date: **10/25/2021**	SeqNo: **1439300**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.957	0.0500	1.000	0	95.7	80	120				
Aroclor 1260	0.900	0.0500	1.000	0	90.0	80	120				
Surr: Decachlorobiphenyl	199		200.0		99.4	30.2	155				
Surr: Tetrachloro-m-xylene	204		200.0		102	58.8	143				

Sample ID: **1254-CCV-34154B**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/25/2021**	RunNo: **70766**
Client ID: **CCV**	Batch ID: **34154**		Analysis Date: **10/25/2021**	SeqNo: **1439301**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.07	0.0500	1.000	0	107	80	120				
Surr: Decachlorobiphenyl	204		200.0		102	30.2	155				
Surr: Tetrachloro-m-xylene	208		200.0		104	58.8	143				

Work Order: 2110287
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **CCV-34136A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/22/2021**	RunNo: **70739**
Client ID: **CCV**	Batch ID: **34136**		Analysis Date: **10/22/2021**	SeqNo: **1438763**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	491	5.00	500.0	0	98.2	80	120				
Surr: Toluene-d8	25.3		25.00		101	65	135				
Surr: 4-Bromofluorobenzene	25.6		25.00		102	65	135				

Sample ID: **LCS-34136**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **10/22/2021**	RunNo: **70739**
Client ID: **LCSS**	Batch ID: **34136**		Analysis Date: **10/22/2021**	SeqNo: **1438765**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	25.3	5.00	25.00	0	101	65	135				
Surr: Toluene-d8	1.29		1.250		103	65	135				
Surr: 4-Bromofluorobenzene	1.28		1.250		102	65	135				

Sample ID: **MB-34136**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **10/22/2021**	RunNo: **70739**
Client ID: **MBLKS**	Batch ID: **34136**		Analysis Date: **10/22/2021**	SeqNo: **1438766**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.26		1.250		101	65	135				
Surr: 4-Bromofluorobenzene	1.17		1.250		93.8	65	135				

Sample ID: **2110287-010BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **10/22/2021**	RunNo: **70739**
Client ID: **A3-SIDE38:2.5**	Batch ID: **34136**		Analysis Date: **10/22/2021**	SeqNo: **1438760**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.36						0	0	30	
Surr: Toluene-d8	1.35		1.340		101	65	135		0		
Surr: 4-Bromofluorobenzene	1.28		1.340		95.9	65	135		0		

Work Order: 2110287
CLIENT: Shannon & Wilson
Project: 8801 - Excavations

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **2110287-010BMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **10/22/2021**	RunNo: **70739**
Client ID: **A3-SIDE38:2.5**	Batch ID: **34136**		Analysis Date: **10/22/2021**	SeqNo: **1438761**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	28.4	5.36	26.79	0	106	65	135				
Surr: Toluene-d8	1.38		1.340		103	65	135				
Surr: 4-Bromofluorobenzene	1.37		1.340		102	65	135				

Sample ID: **CCV-34136B**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/22/2021**	RunNo: **70739**
Client ID: **CCV**	Batch ID: **34136**		Analysis Date: **10/22/2021**	SeqNo: **1438764**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	421	5.00	500.0	0	84.1	80	120				
Surr: Toluene-d8	25.4		25.00		102	65	135				
Surr: 4-Bromofluorobenzene	25.9		25.00		104	65	135				

Sample Log-In Check List

Client Name:	**SW**	Work Order Number:	**2110287**
Logged by:	**Clare Griggs**	Date Received:	**10/20/2021 3:40:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >2°C to 6°C *	Yes ☑	No ☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample	3.4

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 10/20/21 | Page: 1 of: 2 | Laboratory Project No (internal): 2110287

Project Name: 8801-Excavations | Special Remarks: Refer to project methods

Client: Shannon & Wilson

Project No: 103485-009

Address: 400 N. 34th St, Suite 100

Collected by: Ryan Peterson

City, State, Zip: Seattle, WA 98103

Location: Tukwila, WA

Telephone:

Report To (PM): Ryan Peterson | Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax:

PM Email: Ryan.Peterson@shanwil.com

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Copper	Comments
1	A4-SIDE25:2	10/20/21	0900	S	1							X					X		
2	A4-SIDE25:6		0905	S	1							X					X		
3	A4-SIDE26:2		0910	S	1							X					X		
4	A4-SIDE26:6		0915	S	1							X					X		
5	A4-SIDE27:2		0920	S	1							X					X		
6	A4-SIDE27:6		0925	S	1							X					X		
7	A4-SIDE28:2		0930	S	1							X					X		
8	A4-SIDE28:6		0935	S	1							X					X		
9	A4-SIDE102:6		0940	S	1							X					X		
10	A3-SIDE30:2.5		1235	S	3		X					X					X		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time: ☐ Standard ☐ Next Day ☐ 3 Day ☐ Same Day ☒ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	RYAN PETERSON	10/20/21 1540	x	CAITLIN BAKER	10/20/21 1540
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 10/20/21 | Page: 2 of: 2 | Laboratory Project No (internal): 2110287

Project Name: 801 - Excavations | Special Remarks: Refer to Project methods

Project No: 103485-009

Client: Shannon & Wilson | Collected by: Ryan Peterson

Address: 400 N. 34th St, Suite 100 | Location: Tukwila, WA

City, State, Zip: Seattle, WA 98103 | Report To (PM): Ryan Peterson

Telephone: | Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax: | PM Email: RYAN.PETERSON@shannon

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	cPAHs			Comments
1	TRIP-20211020	10/20/21	–	–	1			X												
2	~~A2-SIDE17:2~~		~~1325~~		1											X		RED		
3	A2-SIDE16:2	10/20/21	1325	S	1											X				
4	A2-BOT7:4	↓	1330	↓	1											X				
5	A2-SIDE15:2		1345		1											X				
6																				
7																				
8																				
9																				
10																				

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

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x	RYAN PETERSON	10/20/21 1540	x C Baker	CARLIN BAKER	10/20/21 1540
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 10/20/21 | Page: 1 of: 2 | Laboratory Project No (internal): 2110287

Project Name: 8801-Excavations

Project No: 103485-009

Collected by: Ryan Peterson

Location: Tukwila, WA

Report To (PM): Ryan Peterson

PM Email: Ryan.Peterson@shanwil.com

Special Remarks: Refer to project methods

Sample ID revision per R.P. 10/21/2021 -BB

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Client: Shannon & Wilson

Address: 400 N. 34th St, Suite 100

City, State, Zip: Seattle, WA 98103

Telephone:

Fax:

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Copper	Comments
1	A4-SIDE25:2	10/20/21	0900	S	1								X				X		
2	A4-SIDE25:6		0905	S	1								X				X		
3	A4-SIDE26:2		0910	S	1								X				X		
4	A4-SIDE26:6		0915	S	1								X				X		
5	A4-SIDE27:2		0920	S	1								X				X		
6	A4-SIDE27:6		0925	S	1								X				X		
7	A4-SIDE28:2		0930	S	1								X				X		
8	A4-SIDE28:6		0935	S	1								X				X		
9	A4-SIDE102:6		0940	S	1								X				X		
10	~~A3-SIDE38:2.5~~		1235	S	3		X						X				X		A3-SIDE38:2.5

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

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☐ 3 Day ☐ Same Day
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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 10/20/21 | Page: 2 of: 2 | Laboratory Project No (internal): 2110287

Client: Shannon & Wilson
Address: 400 N. 34th St, Suite 100
City, State, Zip: Seattle, WA 98103
Telephone:
Fax:

Project Name: 801 Excavations
Project No: 103485-009
Collected by: Ryan Peterson
Location: Tukwila, WA
Report To (PM): Ryan Peterson
PM Email: RYAN.PETERSON@shannon

Special Remarks: Refer to Project methods

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	cPAHs			Comments
1	TRIP-20211020	10/20/21	–	–	1			X												
2	~~A2-SIDE17:2~~		~~1325~~		1											X		RED		
3	A2-SIDE16:2	10/20/21	1325	S	1											X				
4	A2-BOT7:4	↓	1330	↓	1											X				
5	A2-SIDE15:2		1345		1											X				
6																				
7																				
8																				
9																				
10																				

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

DATA SET for Review -- Deliverable Requirements

Gasoline by NWTPH-Gx

Fremont Analytical Work Order No. 2110287

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Injection Log

Data Directory: D:\GC-27\DATA\101921\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 101904.D	8260B-0206-1.M			
No data found			0.000	N/A
2) 101901.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	49	1.000	19 Oct 2021 11:09 am
3) 101902.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	50	1.000	19 Oct 2021 11:39 am
4) 101903.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	51	1.000	19 Oct 2021 12:10 pm
5) 101905.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	53	1.000	19 Oct 2021 01:08 pm
6) 101906.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	49	1.000	19 Oct 2021 01:38 pm
7) 101907.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	50	1.000	19 Oct 2021 02:08 pm
8) 101908.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	51	1.000	19 Oct 2021 02:38 pm
9) 101909.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	52	1.000	19 Oct 2021 03:09 pm
10) 101910.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	53	1.000	19 Oct 2021 03:39 pm
11) 101911.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	53	1.000	19 Oct 2021 04:11 pm
12) 101912.D	8260B-0206-1.M			
GX CAL1 25972	O-VOC-GX-W	54	1.000	19 Oct 2021 04:41 pm
13) 101913.D	8260B-0206-1.M			
GX CAL2	O-VOC-GX-W	55	1.000	19 Oct 2021 05:11 pm
14) 101914.D	8260B-0206-1.M			
GX CAL3	O-VOC-GX-W	56	1.000	19 Oct 2021 05:41 pm
15) 101915.D	8260B-0206-1.M			
GX CAL4	O-VOC-GX-W	57	1.000	19 Oct 2021 06:12 pm
16) 101916.D	8260B-0206-1.M			
GX CAL5	O-VOC-GX-W	58	1.000	19 Oct 2021 06:42 pm
17) 101917.D	8260B-0206-1.M			
GX CAL6	O-VOC-GX-W	59	1.000	19 Oct 2021 07:12 pm
18) 101918.D	8260B-0206-1.M			
GX CAL7	O-VOC-GX-W	60	1.000	19 Oct 2021 07:42 pm
19) 101919.D	8260B-0206-1.M			
CLEANOUT	O-VOC-GX-W	61	1.000	19 Oct 2021 08:12 pm
20) 101920.D	8260B-0206-1.M			
ICB	O-VOC-GX-W	62	1.000	19 Oct 2021 08:42 pm
21) 101921.D	8260B-0206-1.M			
ICV 25738	O-VOC-GX-W	63	1.000	19 Oct 2021 09:12 pm

22) 101922.D	8260B-0206-1.M					
CCV-34092A GX	O-VOC-GX-S	1	1.000	19 Oct 2021	09:43	pm
23) 101923.D	8260B-0206-1.M					
LCS-34092 GX	O-VOC-GX-S	2	1.000	19 Oct 2021	10:13	pm
24) 101924.D	8260B-0206-1.M					
CLEANOUT	O-VOC-GX-S	3	1.000	19 Oct 2021	10:43	pm
25) 101925.D	8260B-0206-1.M					
MB-34092	O-VOC-GX-S	4	1.000	19 Oct 2021	11:13	pm
26) 101926.D	8260B-0206-1.M					
2110251-004A TB	O-VOC-GX-S	5	1.000	19 Oct 2021	11:43	pm
27) 101927.D	8260B-0206-1.M					
2110251-001B	O-VOC-GX-S	6	1.000	20 Oct 2021	12:13	am
28) 101928.D	8260B-0206-1.M					
2110251-002B	O-VOC-GX-S	7	1.000	20 Oct 2021	12:43	am
29) 101929.D	8260B-0206-1.M					
2110251-003B	O-VOC-GX-S	8	1.000	20 Oct 2021	01:14	am
30) 101930.D	8260B-0206-1.M					
2110251-005B	O-VOC-GX-S	9	1.000	20 Oct 2021	01:44	am
31) 101931.D	8260B-0206-1.M					
2110251-009B	O-VOC-GX-S	10	1.000	20 Oct 2021	02:14	am
32) 101932.D	8260B-0206-1.M					
2110251-009BDUP	O-VOC-GX-S	11	1.000	20 Oct 2021	02:44	am
33) 101933.D	8260B-0206-1.M					
2110261-001B	O-VOC-GX-S	12	1.000	20 Oct 2021	03:14	am
34) 101934.D	8260B-0206-1.M					
2110251-007B	O-VOC-GX-S	13	1.000	20 Oct 2021	03:44	am
35) 101935.D	8260B-0206-1.M					
2110251-006B	O-VOC-GX-S	14	1.000	20 Oct 2021	04:14	am
36) 101936.D	8260B-0206-1.M					
2110251-008B	O-VOC-GX-S	15	1.000	20 Oct 2021	04:44	am
37) 101937.D	8260B-0206-1.M					
2110261-001BMS GX	O-VOC-GX-S	16	1.000	20 Oct 2021	05:14	am
38) 101938.D	8260B-0206-1.M					
CLEANOUT	O-VOC-GX-S	3	1.000	20 Oct 2021	05:45	am
39) 101939.D	8260B-0206-1.M					
CCV-34092B	O-VOC-GX-S	17	1.000	20 Oct 2021	06:15	am

Injection Log

Data Directory: D:\GC-27\DATA\102221\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 102201.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-GX-S	1	1.000	22 Oct 2021 09:44 am
2) 102202.D	8260B-0206-1.M			
CCV-34136A GX	O-VOC-GX-S	2	1.000	22 Oct 2021 10:14 am
3) 102203.D	8260B-0206-1.M			
LCS-34136 GX	O-VOC-GX-S	3	1.000	22 Oct 2021 10:44 am
4) 102204.D	8260B-0206-1.M			
CLEANOUT	O-VOC-GX-S	1	1.000	22 Oct 2021 11:14 am
5) 102205.D	8260B-0206-1.M			
MB-34136	O-VOC-GX-S	4	1.000	22 Oct 2021 11:44 am
6) 102206.D	8260B-0206-1.M			
2110287-011A TB	O-VOC-GX-S	5	1.000	22 Oct 2021 12:14 pm
7) 102207.D	8260B-0206-1.M			
2110287-010B	O-VOC-GX-S	6	1.000	22 Oct 2021 12:45 pm
8) 102208.D	8260B-0206-1.M			
2110287-010BDUP	O-VOC-GX-S	7	1.000	22 Oct 2021 01:15 pm
9) 102209.D	8260B-0206-1.M			
2110287-010BMS GX	O-VOC-GX-S	8	1.000	22 Oct 2021 01:45 pm
10) 102210.D	8260B-0206-1.M			
CCV-34136B GX	O-VOC-GX-S	9	1.000	22 Oct 2021 02:15 pm

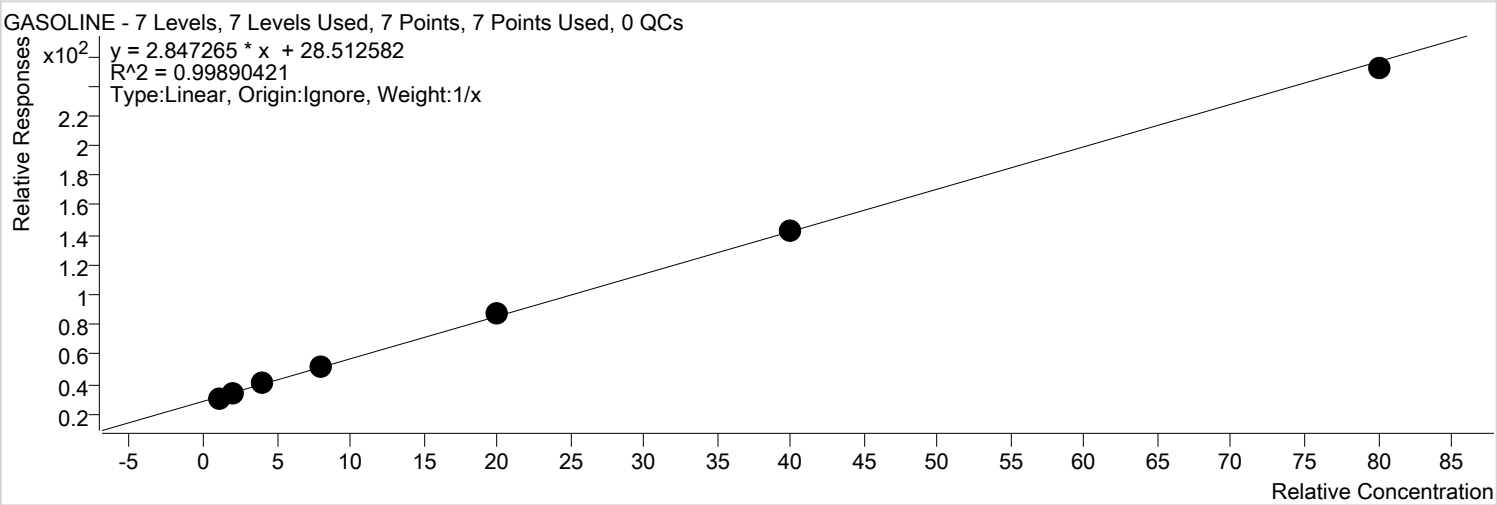
Calibration

Calibration Report

Agilent Technologies

Batch Path	D:\GC-27\DATA\101921\QuantResults\GX CAL.batch.bin		
Analysis Time	10/20/2021 10:13 AM	**Analyst Name**	FA\GC27
Report Time	10/20/2021 10:14:08 AM	**Reporter Name**	FA\GC27
Last Calib Update	10/20/2021 7:43 AM	**Batch State**	Processed
Quant Batch Version	B.09.00	**Quant Report Version**	B.09.00

GASOLINE %RSE = 8.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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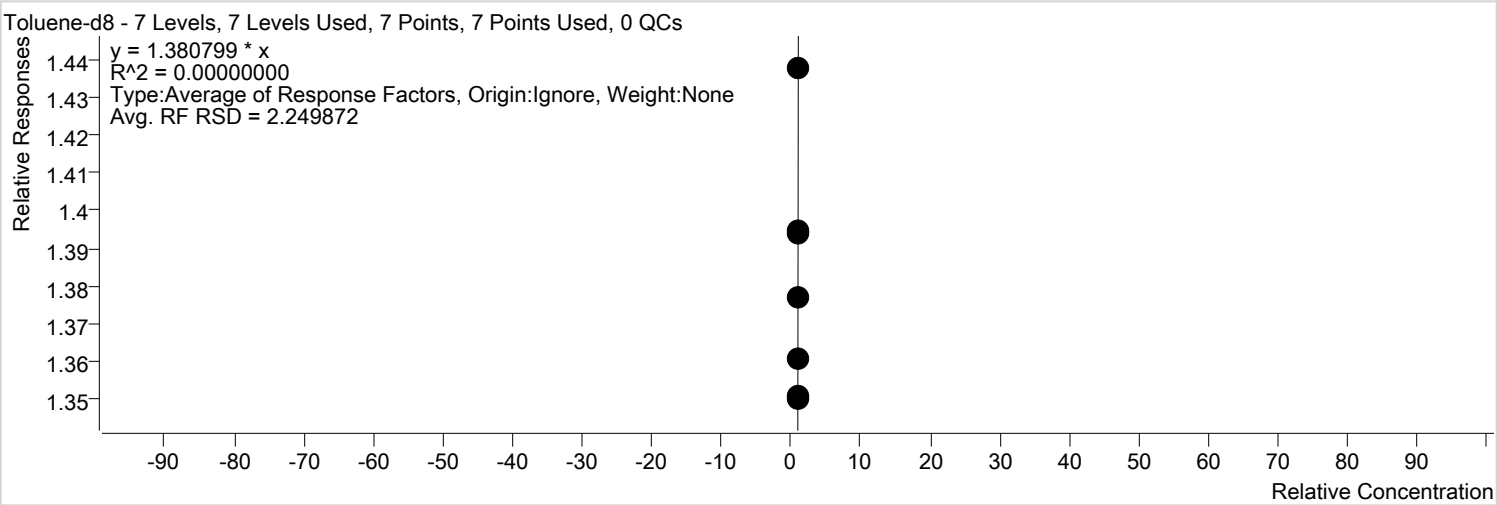
D:\GC-27\DATA\101921\101913.D	Calibration	2	x	52505551	50.0000	17.2197	
D:\GC-27\DATA\101921\101914.D	Calibration	3	x	59157251	100.0000	10.1278	
D:\GC-27\DATA\101921\101915.D	Calibration	4	x	76915258	200.0000	6.5317	
D:\GC-27\DATA\101921\101916.D	Calibration	5	x	129387279	500.0000	4.4124	
D:\GC-27\DATA\101921\101917.D	Calibration	6	x	221771404	1000.0000	3.5766	
D:\GC-27\DATA\101921\101918.D	Calibration	7	x	400986917	2000.0000	3.1440	

Batch Path	D:\GC-27\DATA\101921\QuantResults\GX CAL.batch.bin		
Analysis Time	10/20/2021 10:13 AM	**Analyst Name**	FA\GC27
Report Time	10/20/2021 10:14:10 AM	**Reporter Name**	FA\GC27
Last Calib Update	10/20/2021 7:43 AM	**Batch State**	Processed
Quant Batch Version	B.09.00	**Quant Report Version**	B.09.00

Toluene-d8 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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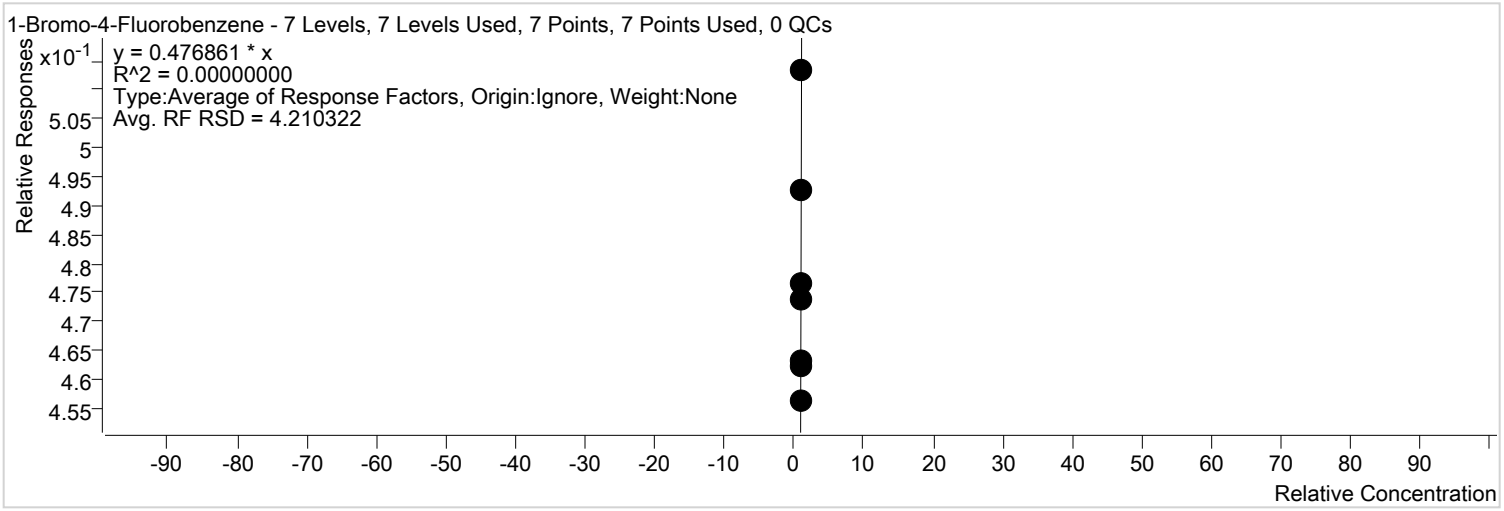
D:\GC-27\DATA\101921\101917.D	Calibration	6	x	2973428	25.0000	1.3940	
D:\GC-27\DATA\101921\101916.D	Calibration	5	x	2923053	25.0000	1.3948	
D:\GC-27\DATA\101921\101915.D	Calibration	4	x	2852409	25.0000	1.3768	
D:\GC-27\DATA\101921\101914.D	Calibration	3	x	2873516	25.0000	1.3509	
D:\GC-27\DATA\101921\101913.D	Calibration	2	x	2957400	25.0000	1.3611	
D:\GC-27\DATA\101921\101912.D	Calibration	1	x	2959509	25.0000	1.3505	

Calibration Report

Agilent Technologies

Batch Path	D:\GC-27\DATA\101921\QuantResults\GX CAL.batch.bin		
Analysis Time	10/20/2021 10:13 AM	**Analyst Name**	FA\GC27
Report Time	10/20/2021 10:14:10 AM	**Reporter Name**	FA\GC27
Last Calib Update	10/20/2021 7:43 AM	**Batch State**	Processed
Quant Batch Version	B.09.00	**Quant Report Version**	B.09.00

1-Bromo-4-Fluorobenzene %RSE =

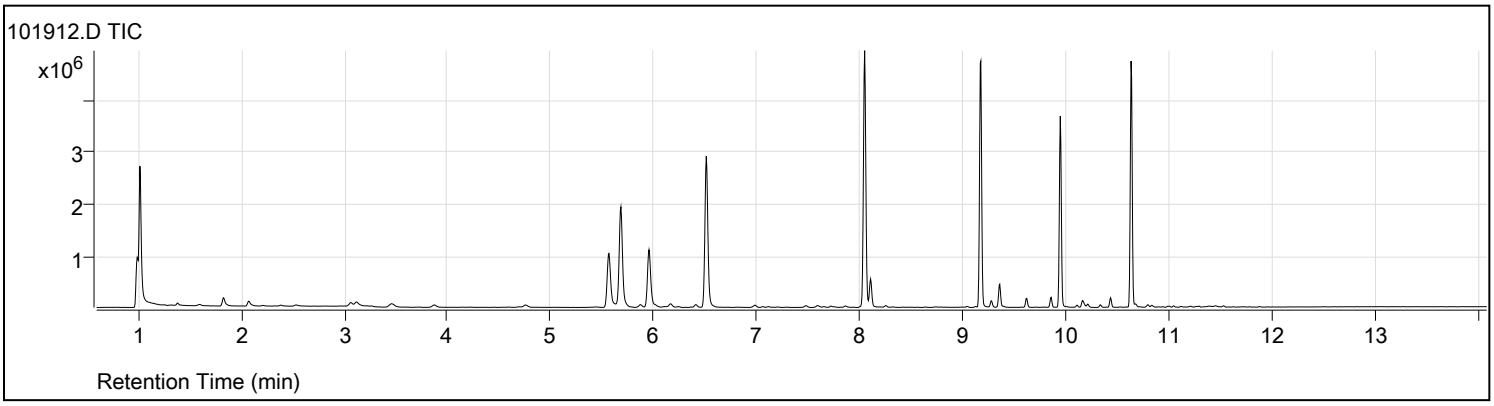


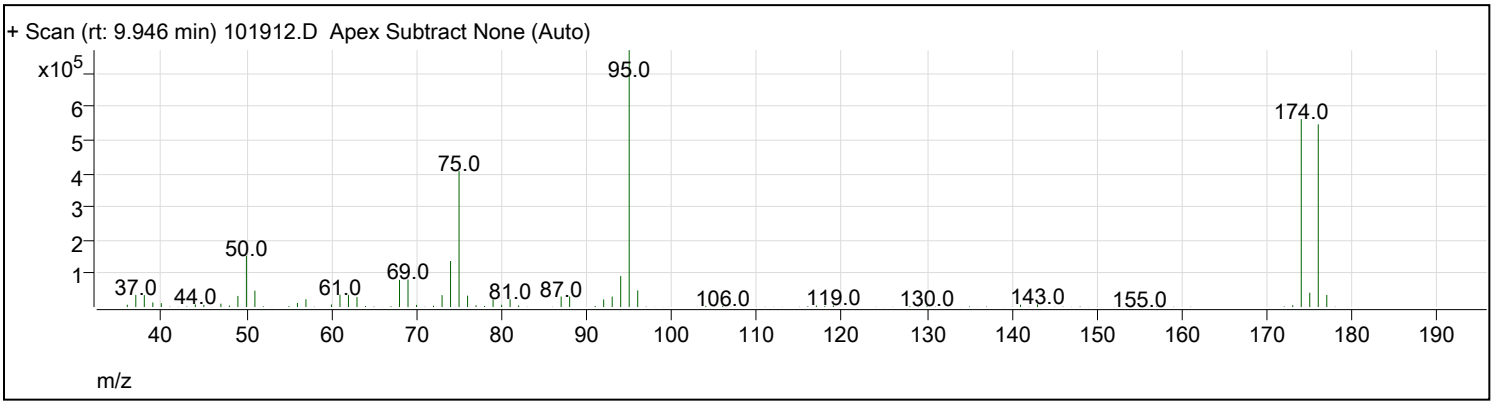
Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\101921\101918.D	Calibration	7	x	1107824	25.0000	0.5133	
D:\GC-27\DATA\101921\101917.D	Calibration	6	x	1051388	25.0000	0.4929	
D:\GC-27\DATA\101921\101916.D	Calibration	5	x	992952	25.0000	0.4738	
D:\GC-27\DATA\101921\101915.D	Calibration	4	x	986958	25.0000	0.4764	
D:\GC-27\DATA\101921\101914.D	Calibration	3	x	970963	25.0000	0.4565	
D:\GC-27\DATA\101921\101913.D	Calibration	2	x	1004041	25.0000	0.4621	
D:\GC-27\DATA\101921\101912.D	Calibration	1	x	1014725	25.0000	0.4630	

Tunes

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\101921\101912.D
Acq on:	10/19/2021 4:41:32 PM
Operator:	cmr
Sample:	GX CAL1 25972
Inst Name:	GC-27
ALS Vial:	54
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

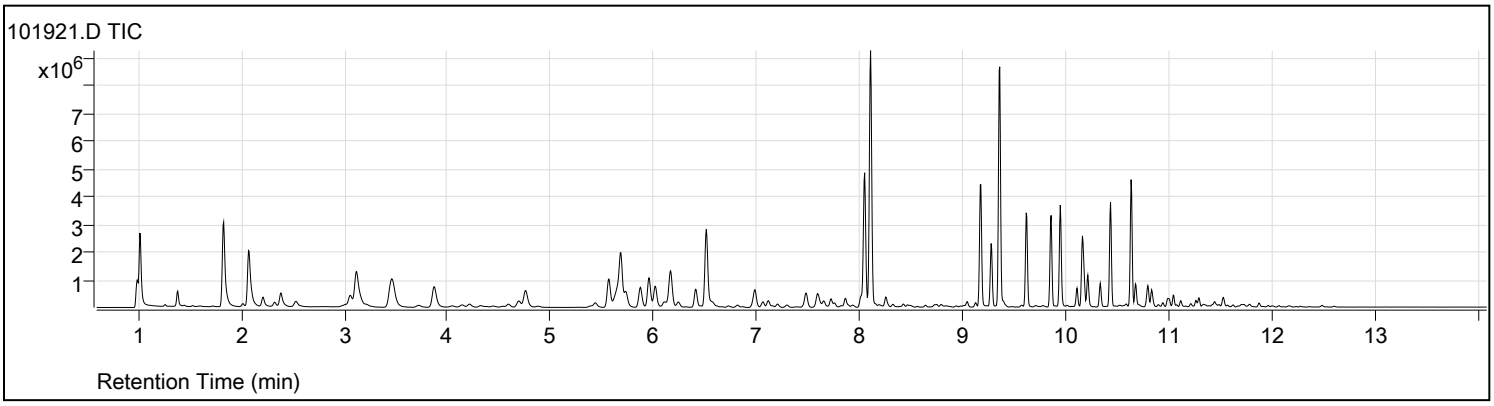


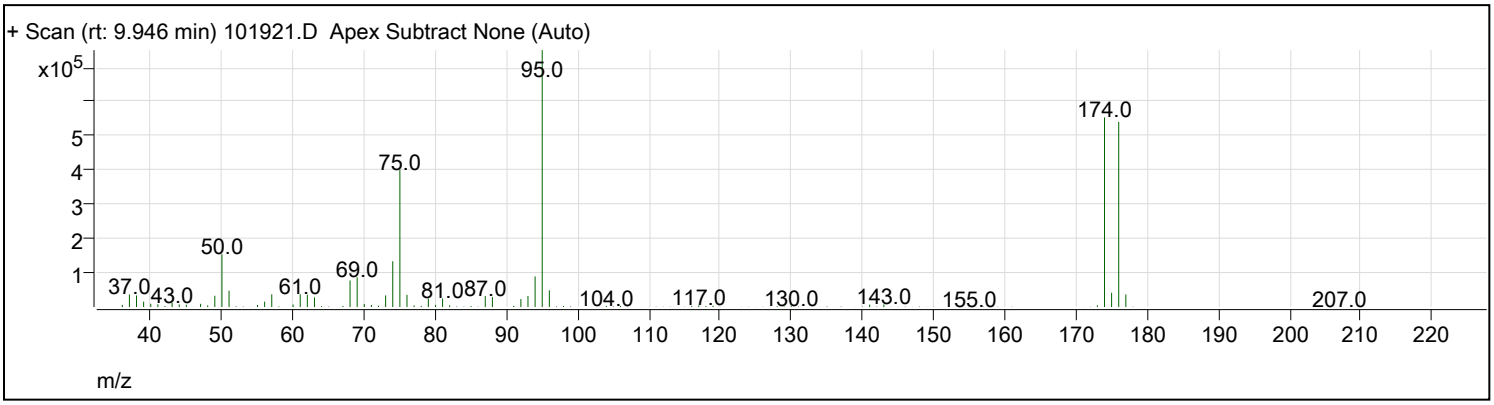


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	136.7	769642	Pass
96	95	5	9	6.5	49876	Pass
173	174	0	2	1.0	5375	Pass
174	95	50	200	73.2	563189	Pass
175	174	5	9	7.6	42958	Pass
176	174	95	105	97.2	547597	Pass
177	176	5	10	6.6	36143	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\101921\101921.D
Acq on:	10/19/2021 9:13:00 PM
Operator:	cmr
Sample:	ICV 25738
Inst Name:	GC-27
ALS Vial:	63
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

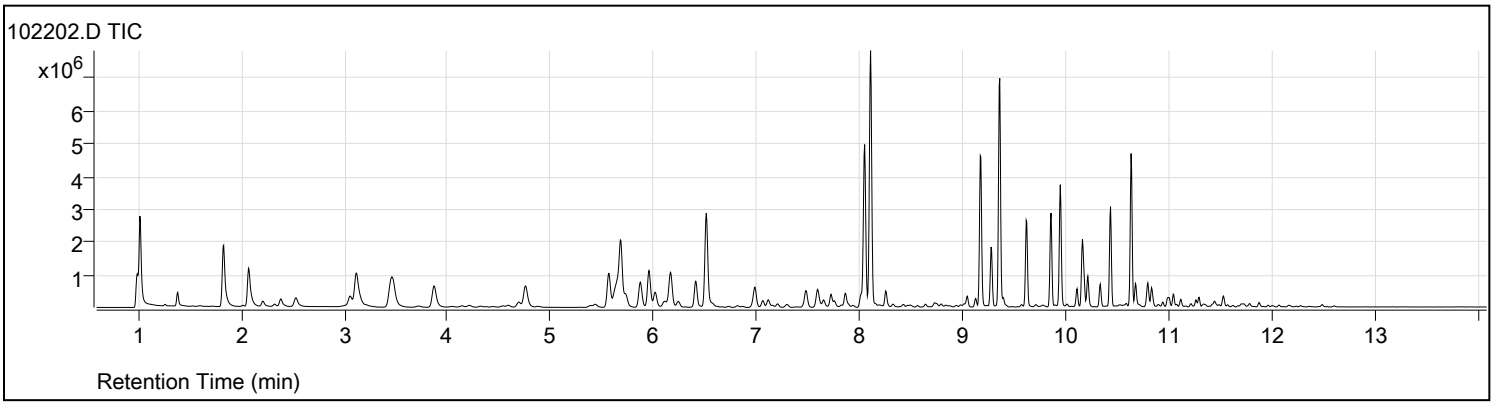


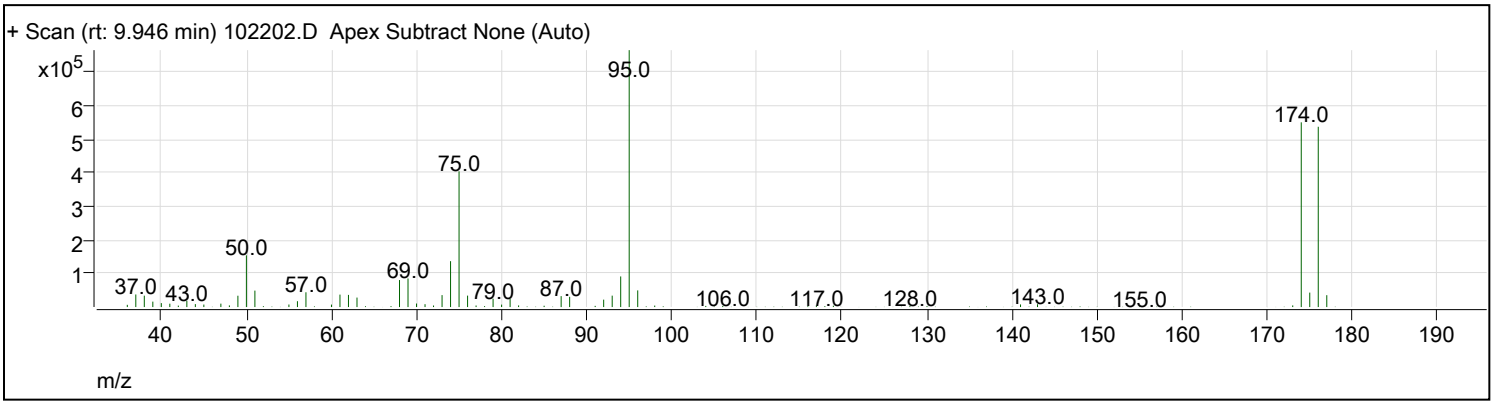


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	135.5	750451	Pass
96	95	5	9	6.5	48704	Pass
173	174	0	2	0.9	4900	Pass
174	95	50	200	73.8	553930	Pass
175	174	5	9	7.5	41554	Pass
176	174	95	105	97.7	541037	Pass
177	176	5	10	6.8	36819	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\102221\102202.D
Acq on:	10/22/2021 10:14:32 AM
Operator:	cmr
Sample:	CCV-34136A GX
Inst Name:	GC-27
ALS Vial:	2
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

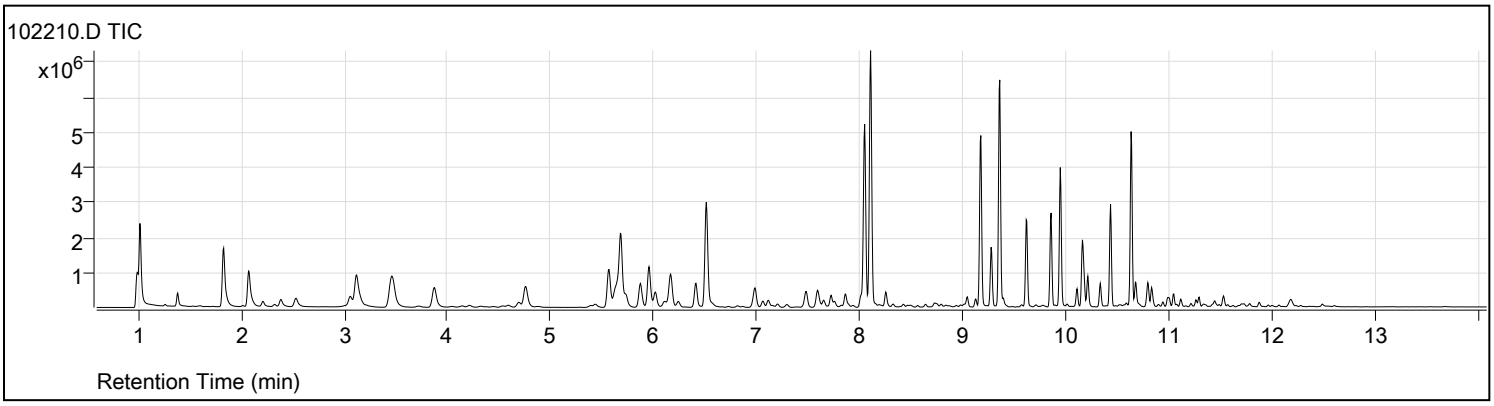


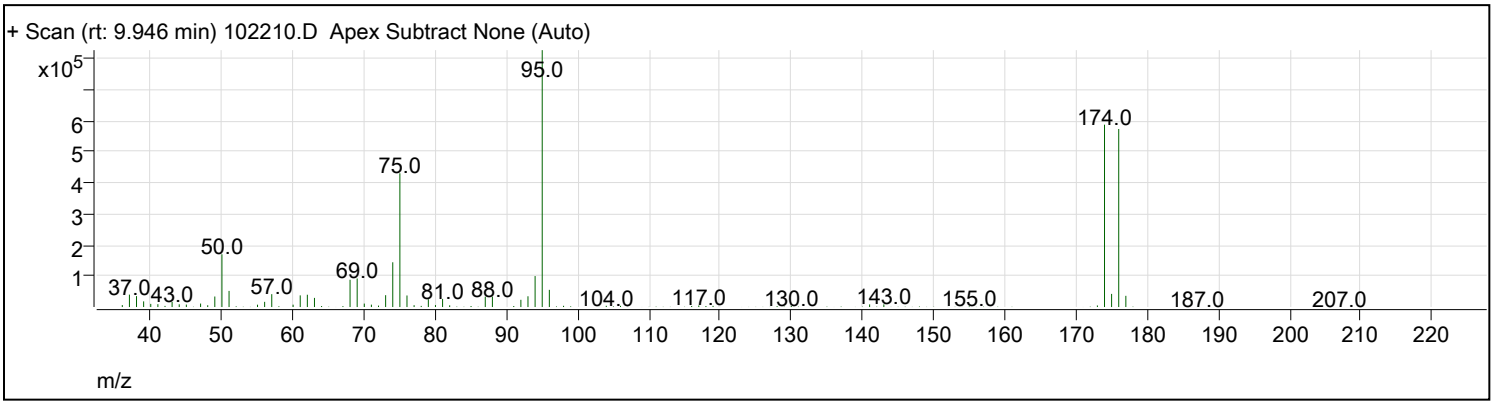


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	139.1	765860	Pass
96	95	5	9	6.5	49586	Pass
173	174	0	2	0.9	4869	Pass
174	95	50	200	71.9	550669	Pass
175	174	5	9	7.8	43106	Pass
176	174	95	105	97.6	537458	Pass
177	176	5	10	6.6	35331	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\102221\102210.D
Acq on:	10/22/2021 2:15:25 PM
Operator:	cmr
Sample:	CCV-34136B GX
Inst Name:	GC-27
ALS Vial:	9
Method:	D:\MassHunter\Methods\Quant\BFB2021.m





Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	140.9	827501	Pass
96	95	5	9	6.7	55361	Pass
173	174	0	2	0.9	5047	Pass
174	95	50	200	71.0	587430	Pass
175	174	5	9	7.2	42325	Pass
176	174	95	105	97.6	573554	Pass
177	176	5	10	6.3	36134	Pass

DATA SET for Review -- Deliverable Requirements

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Fremont Analytical Work Order No. 2110287

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Injection Log

Data Directory: C:\GC-14\Data\2021\082321\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	082301.D	PAH-SIM.M			
co			2	1.000	23 Aug 2021 08:14 am
2)	082302.D	SEMI9.M			
TUNE			1	1.000	23 Aug 2021 08:35 am
3)	082303.D	PAH-SIM.M			
CCV-			2	1.000	23 Aug 2021 08:57 am
4)	082304.D	PAH-SIM.M			
PAH 10			12	1.000	23 Aug 2021 09:38 am
5)	082305.D	PAH-SIM.M			
PAH 20			13	1.000	23 Aug 2021 09:59 am
6)	082306.D	PAH-SIM.M			
PAH 40			14	1.000	23 Aug 2021 10:21 am
7)	082307.D	PAH-SIM.M			
PAH 100			15	1.000	23 Aug 2021 10:42 am
8)	082308.D	PAH-SIM.M			
PAH 200			16	1.000	23 Aug 2021 11:04 am
9)	082309.D	PAH-SIM.M			
PAH 500			17	1.000	23 Aug 2021 11:25 am
10)	082310.D	PAH-SIM.M			
PAH 750			18	1.000	23 Aug 2021 11:47 am
11)	082311.D	PAH-SIM.M			
PAH 1000			19	1.000	23 Aug 2021 12:09 pm
12)	082312.D	PAH-SIM.M			
PAH 2000			20	1.000	23 Aug 2021 12:30 pm
13)	082313.D	PAH-SIM.M			
PAH 5000			21	1.000	23 Aug 2021 12:52 pm
14)	082314.D	PAH-SIM.M			
PAH ICB			22	1.000	23 Aug 2021 01:14 pm
15)	082315.D	PAH-SIM.M			
PAH ICV			23	1.000	23 Aug 2021 01:35 pm
16)	082316.D	PAH-SIM.M			
CO			2	1.000	23 Aug 2021 01:57 pm
17)	082317.D	PAH-LOWLEVEL.M			
PAH LL 2			11	1.000	23 Aug 2021 02:19 pm
18)	082318.D	PAH-LOWLEVEL.M			
PAH LL 10			12	1.000	23 Aug 2021 02:40 pm
19)	082319.D	PAH-LOWLEVEL.M			
PAH LL 20			13	1.000	23 Aug 2021 03:02 pm
20)	082320.D	PAH-LOWLEVEL.M			
PAH LL 40			14	1.000	23 Aug 2021 03:23 pm
21)	082321.D	PAH-LOWLEVEL.M			
PAH LL 100			15	1.000	23 Aug 2021 03:45 pm

22) 082322.D	PAH-LOWLEVEL.M				
PAH LL 200		16	1.000	23 Aug 2021	04:07 pm
23) 082323.D	PAH-LOWLEVEL.M				
PAH LL 500		17	1.000	23 Aug 2021	04:28 pm
24) 082324.D	PAH-LOWLEVEL.M				
PAH LL 750		18	1.000	23 Aug 2021	04:50 pm
25) 082325.D	PAH-LOWLEVEL.M				
PAH LL 1000		19	1.000	23 Aug 2021	05:11 pm
26) 082326.D	PAH-LOWLEVEL.M				
PAH LL 2000		20	1.000	23 Aug 2021	05:33 pm
27) 082327.D	PAH-LOWLEVEL.M				
PAH LL 5000		21	1.000	23 Aug 2021	05:55 pm
28) 082328.D	PAH-LOWLEVEL.M				
PAH LL ICB		22	1.000	23 Aug 2021	06:16 pm
29) 082329.D	PAH-LOWLEVEL.M				
PAH LL ICV		23	1.000	23 Aug 2021	06:38 pm

Injection Log

Data Directory: C:\GC-14\Data\2021\102121\

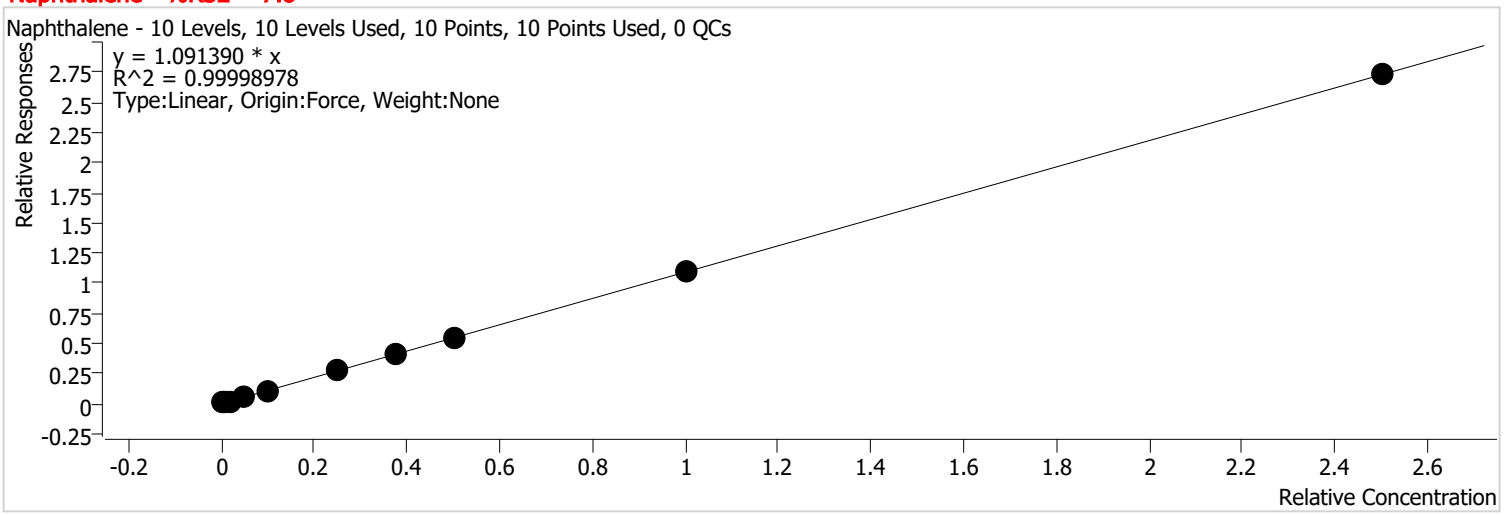
SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 102101.D	8270E_SIM_625.M			
CO		2	1.000	21 Oct 2021 08:09 am
2) 102102.D	8270E_SCAN_625.M			
TUNE		1	1.000	21 Oct 2021 08:31 am
3) 102103.D	8270E_SIM_625.M			
CCV		2	1.000	21 Oct 2021 08:53 am
4) 102104.D	8270E_SIM_625.M			
MB-34112		61	1.000	21 Oct 2021 11:41 am
5) 102105.D	8270E_SIM_625.M			
LCS-34112		62	1.000	21 Oct 2021 12:02 pm
6) 102106.D	8270E_SIM_625.M			
LCSD-34112		63	1.000	21 Oct 2021 12:24 pm
7) 102107.D	8270E_SIM_625.M			
2110277-001A		64	1.000	21 Oct 2021 12:46 pm
8) 102108.D	8270E_SIM_625.M			
2110277-001AMS		65	1.000	21 Oct 2021 01:07 pm
9) 102109.D	8270E_SIM_625.M			
MB-34123		51	1.000	21 Oct 2021 01:29 pm
10) 102110.D	8270E_SIM_625.M			
LCS-34123		52	1.000	21 Oct 2021 01:51 pm
11) 102111.D	8270E_SIM_625.M			
2110287-012A		53	1.000	21 Oct 2021 02:12 pm
12) 102112.D	8270E_SIM_625.M			
2110287-012AMS		54	1.000	21 Oct 2021 02:34 pm
13) 102113.D	8270E_SIM_625.M			
2110287-012AMSD		55	1.000	21 Oct 2021 02:56 pm
14) 102114.D	8270E_SIM_625.M			
2110287-013A		56	1.000	21 Oct 2021 03:18 pm
15) 102115.D	8270E_SIM_625.M			
2110287-014A		57	1.000	21 Oct 2021 03:39 pm
16) 102116.D	8270E_SIM_625.M			
QCS		2	1.000	21 Oct 2021 04:01 pm

Calibration

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:53 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Naphthalene %RSE = 7.8

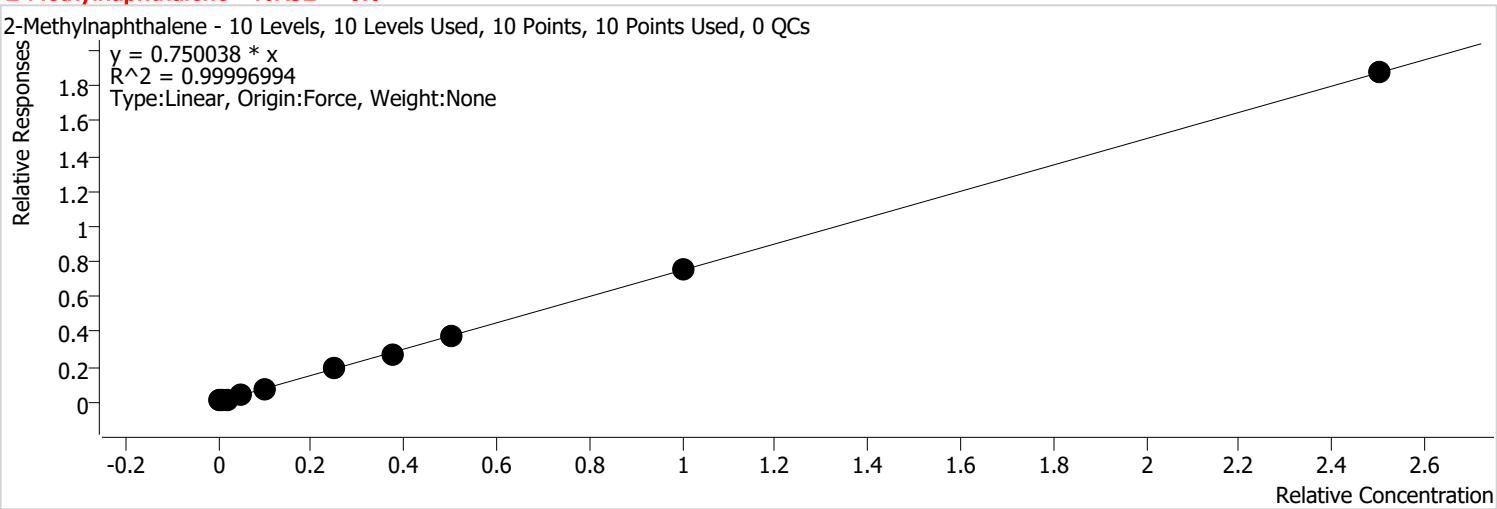


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	444	10.0000	1.2464	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	887	20.0000	1.2229	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1651	40.0000	1.2104	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3872	100.0000	1.1251	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	7971	200.0000	1.1282	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	20406	500.0000	1.1157	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	29917	750.0000	1.0885	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	40650	1000.0000	1.0924	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	83113	2000.0000	1.0897	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	205815	5000.0000	1.0914	

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

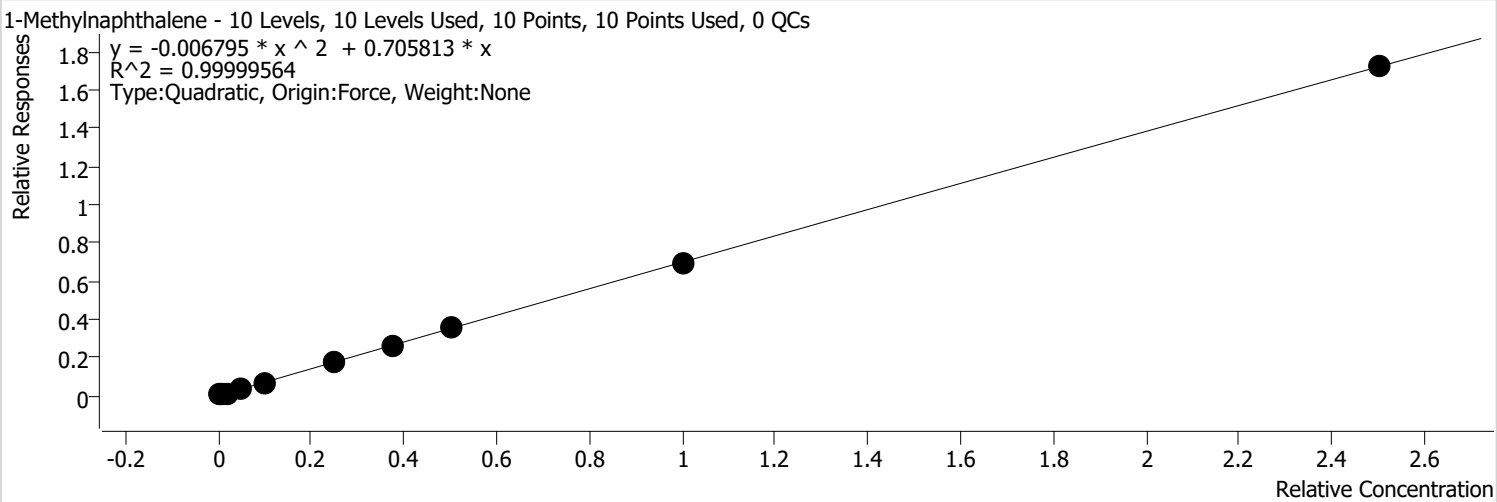
2-Methylnaphthalene %RSE = 6.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	250	10.0000	0.7025	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	469	20.0000	0.6468	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1037	40.0000	0.7602	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2425	100.0000	0.7047	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5101	200.0000	0.7219	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	13625	500.0000	0.7450	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	20001	750.0000	0.7277	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	28064	1000.0000	0.7542	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	57289	2000.0000	0.7511	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	141499	5000.0000	0.7503	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1-Methylnaphthalene %RSE = 2.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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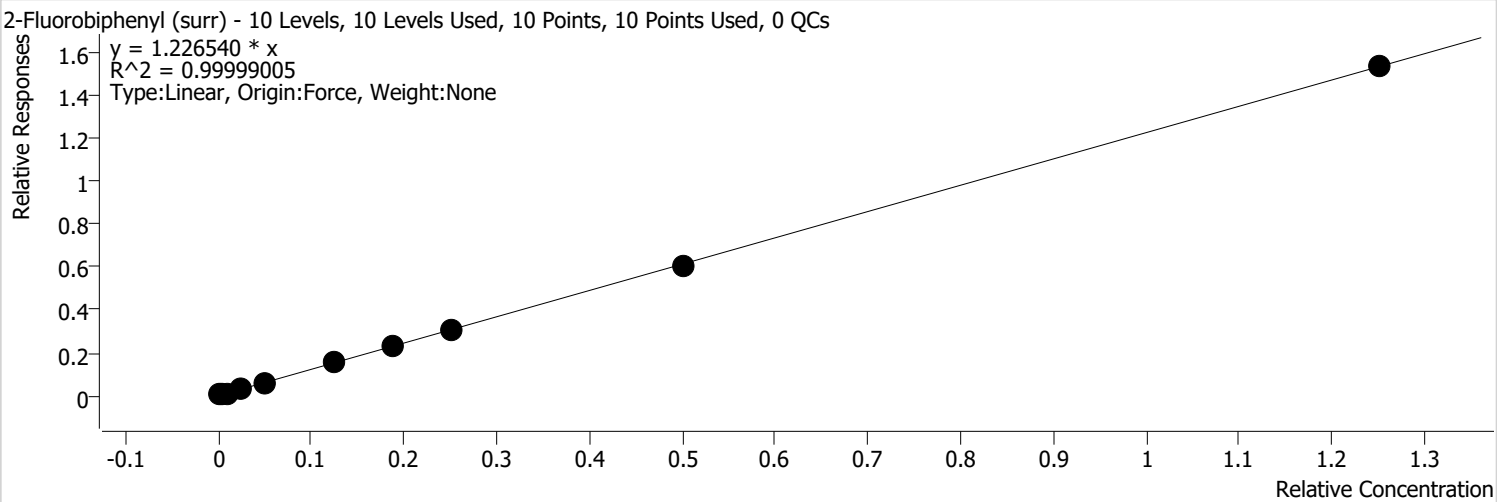
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	503	20.0000	0.6931	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	993	40.0000	0.7279	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2442	100.0000	0.7097	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5072	200.0000	0.7179	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	13003	500.0000	0.7109	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	19431	750.0000	0.7070	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	26181	1000.0000	0.7036	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	53165	2000.0000	0.6970	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	129920	5000.0000	0.6889	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Fluorobiphenyl (surr) %RSE =

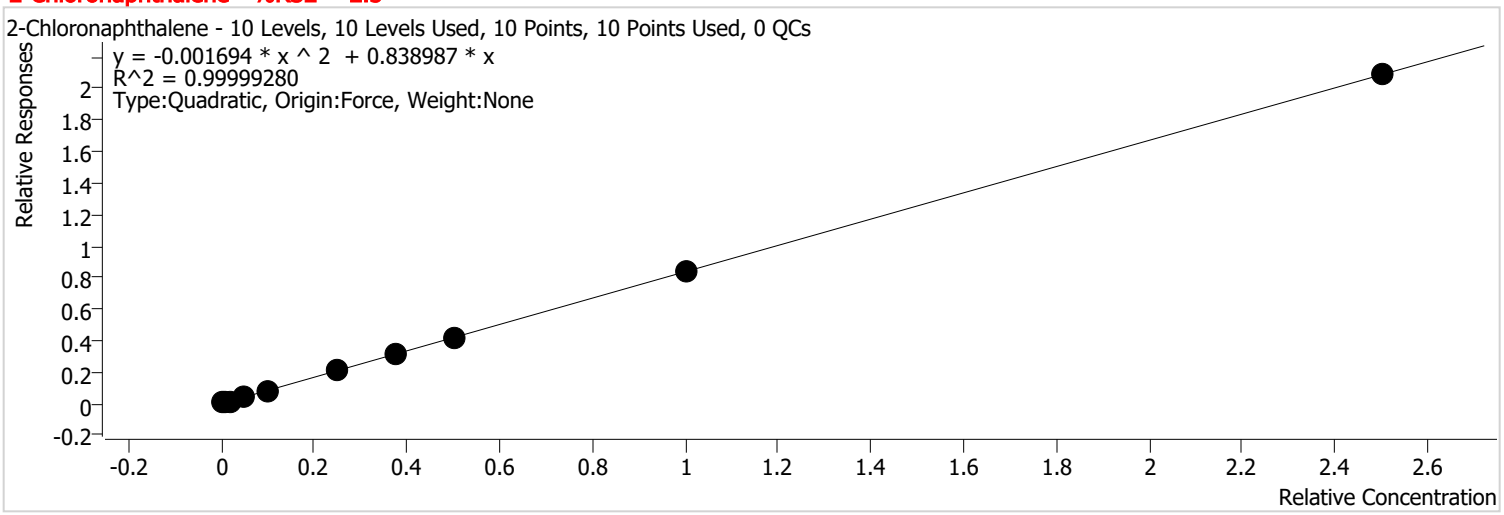


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	231	5.0000	1.2959	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	459	10.0000	1.2652	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	878	20.0000	1.2880	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2123	50.0000	1.2340	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	4467	100.0000	1.2646	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	11437	250.0000	1.2507	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	16924	375.0000	1.2316	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	22912	500.0000	1.2315	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	46614	1000.0000	1.2223	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	115659	2500.0000	1.2266	

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Chloronaphthalene %RSE = 2.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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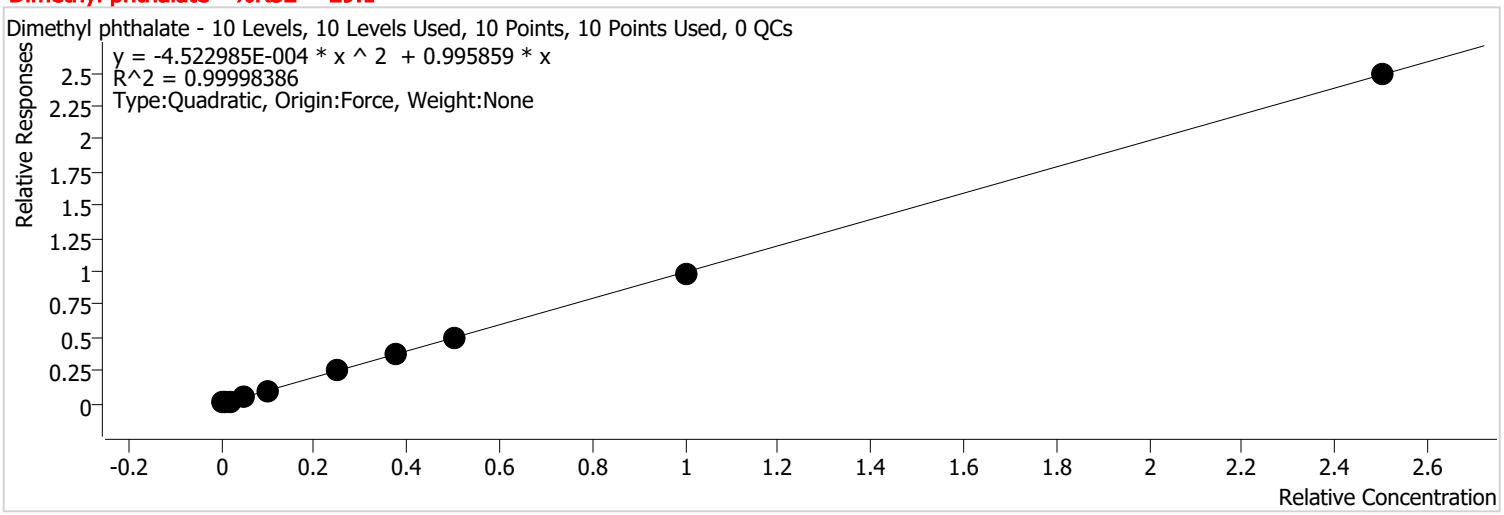
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	598	20.0000	0.8252	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1141	40.0000	0.8365	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2799	100.0000	0.8132	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	6045	200.0000	0.8555	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	15491	500.0000	0.8469	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	22743	750.0000	0.8275	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	31282	1000.0000	0.8407	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	63893	2000.0000	0.8377	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	157418	5000.0000	0.8347	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

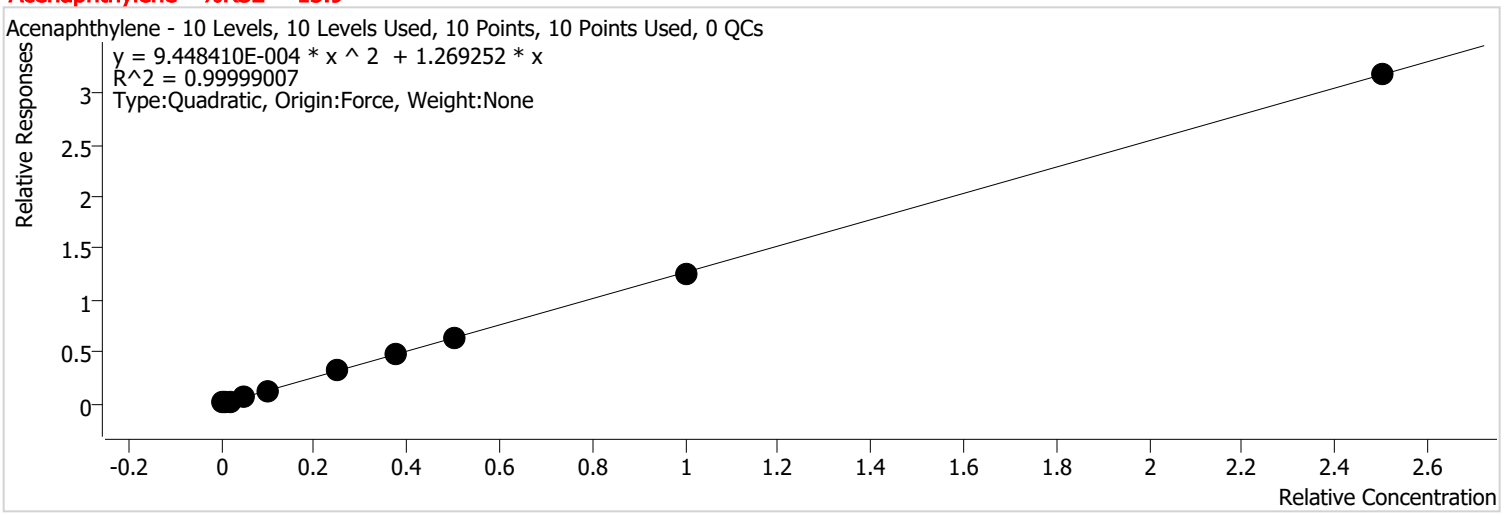
Dimethyl phthalate %RSE = 29.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	617	10.0000	1.7331	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	853	20.0000	1.1756	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1502	40.0000	1.1011	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3475	100.0000	1.0099	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	7239	200.0000	1.0246	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	18444	500.0000	1.0084	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	27735	750.0000	1.0092	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	37045	1000.0000	0.9956	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	75582	2000.0000	0.9909	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	187633	5000.0000	0.9950	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

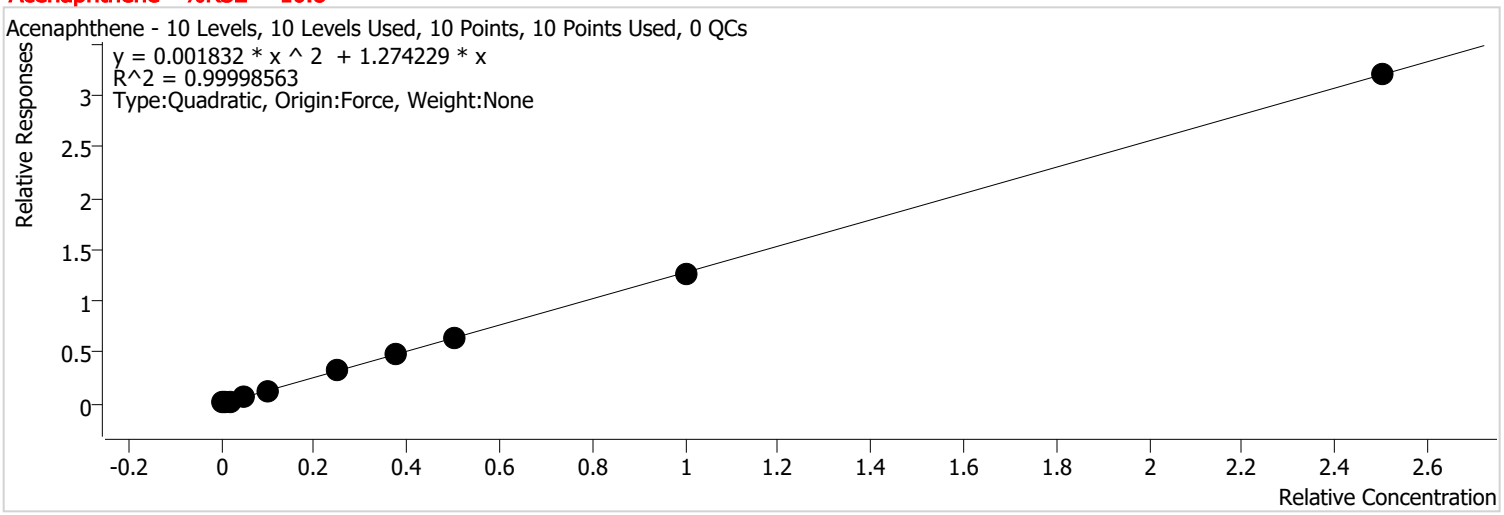
Acenaphthylene %RSE = 13.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	608	10.0000	1.7079	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1016	20.0000	1.4012	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1825	40.0000	1.3381	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4381	100.0000	1.2729	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	9258	200.0000	1.3103	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	23709	500.0000	1.2963	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	34978	750.0000	1.2727	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	47244	1000.0000	1.2697	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	96590	2000.0000	1.2663	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	239846	5000.0000	1.2718	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

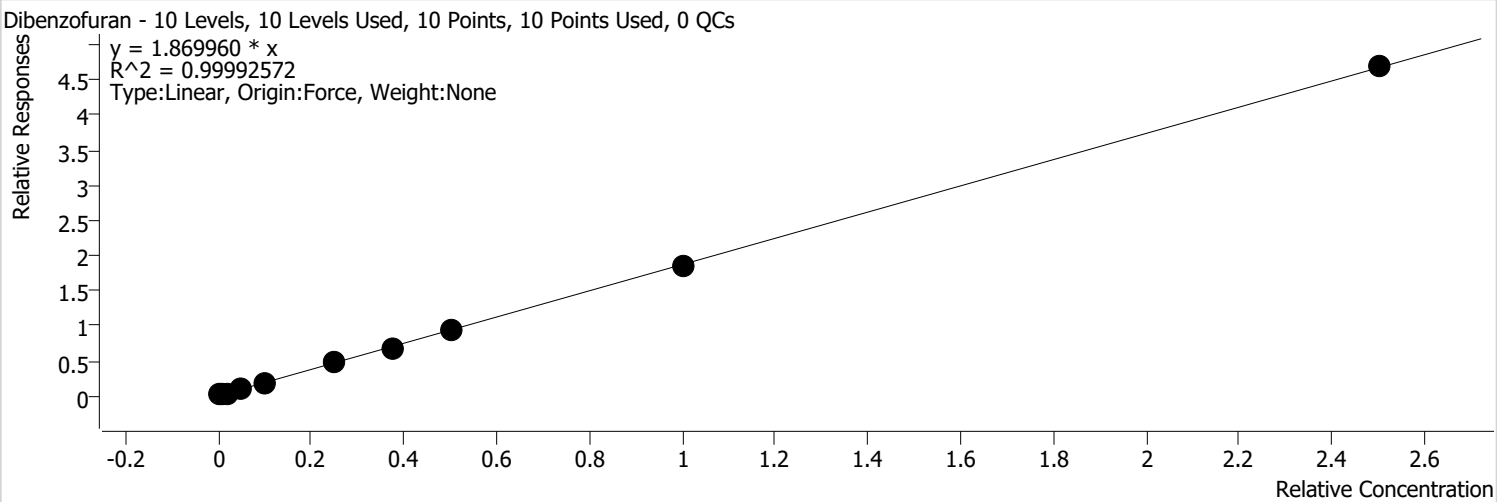
Acenaphthene %RSE = 10.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	366	10.0000	1.5902	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	639	20.0000	1.3598	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1253	40.0000	1.4221	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2911	100.0000	1.2930	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	6021	200.0000	1.3314	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	15393	500.0000	1.3054	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	22727	750.0000	1.2797	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	30437	1000.0000	1.2730	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	62549	2000.0000	1.2718	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	153217	5000.0000	1.2790	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

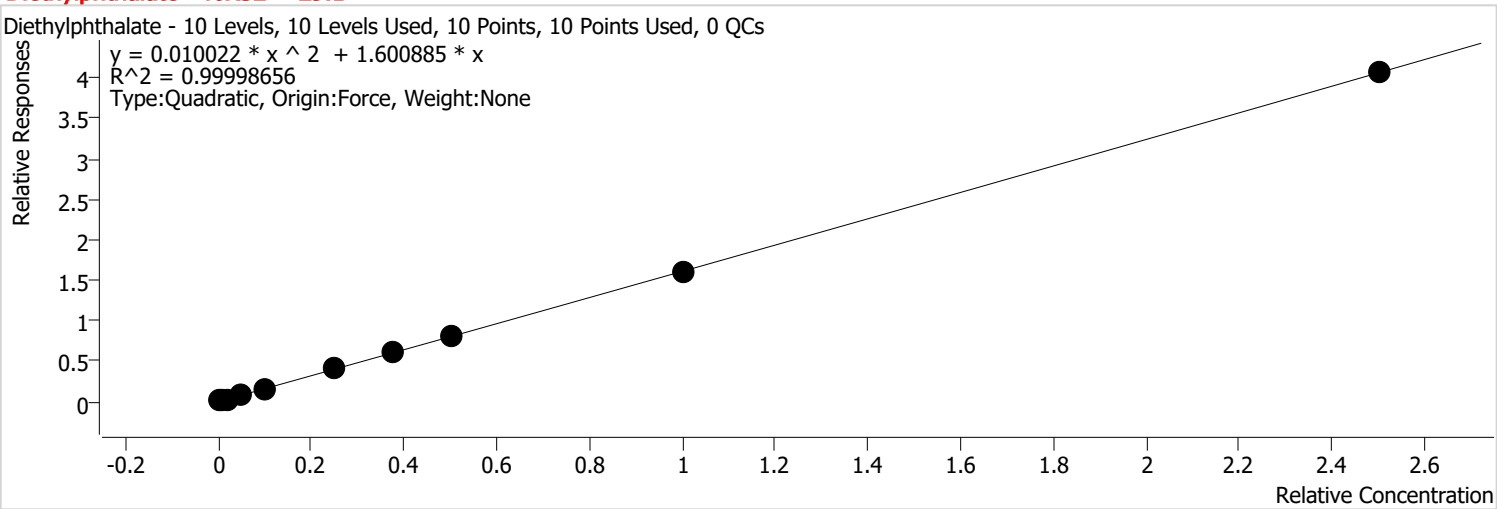
Dibenzofuran %RSE = 5.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	492	10.0000	2.1358	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	865	20.0000	1.8391	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1728	40.0000	1.9611	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4177	100.0000	1.8556	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	8631	200.0000	1.9086	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	22076	500.0000	1.8721	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	32142	750.0000	1.8098	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	44464	1000.0000	1.8597	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	90717	2000.0000	1.8446	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	224690	5000.0000	1.8757	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

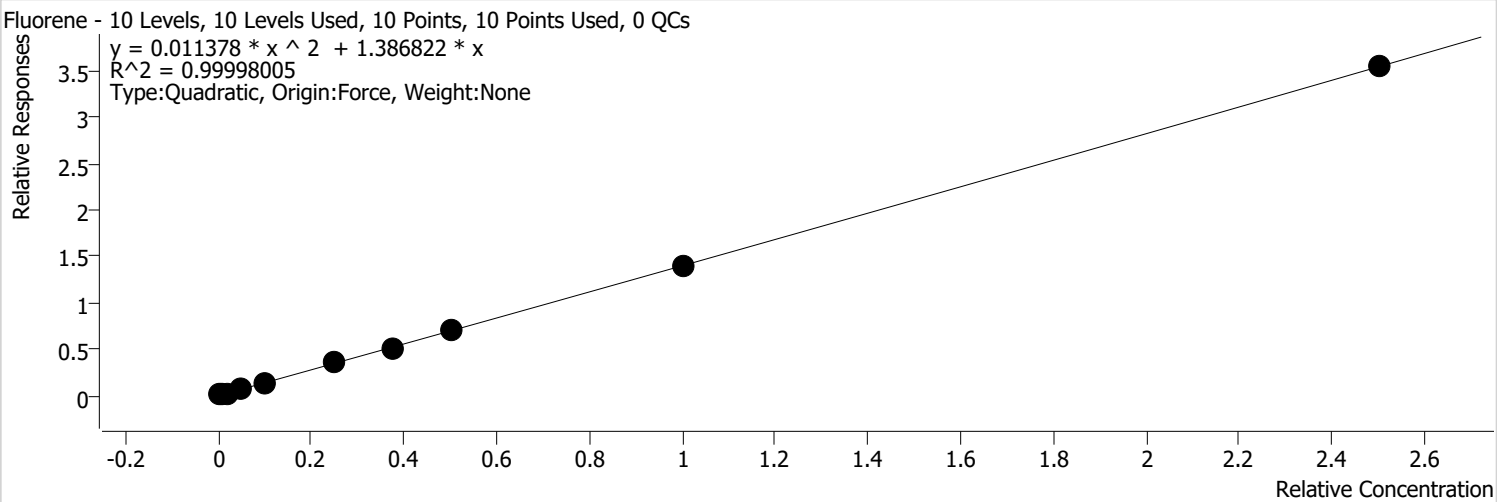
Diethylphthalate %RSE = 29.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	640	10.0000	2.7799	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	892	20.0000	1.8965	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1574	40.0000	1.7863	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3676	100.0000	1.6329	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	7501	200.0000	1.6586	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	19049	500.0000	1.6154	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	28468	750.0000	1.6029	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	38721	1000.0000	1.6195	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	78902	2000.0000	1.6043	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	194807	5000.0000	1.6262	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

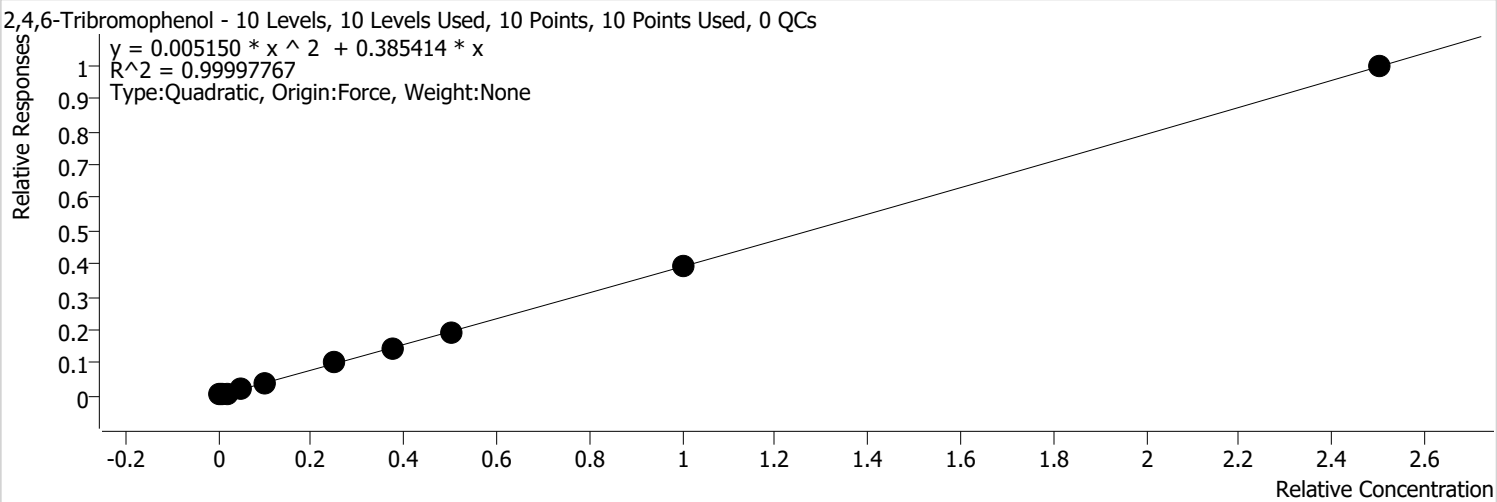
Fluorene %RSE = 7.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	371	10.0000	1.6105	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	679	20.0000	1.4436	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1307	40.0000	1.4836	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3155	100.0000	1.4014	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	6574	200.0000	1.4536	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	16642	500.0000	1.4113	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	24390	750.0000	1.3733	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	33683	1000.0000	1.4088	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	68514	2000.0000	1.3931	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	169562	5000.0000	1.4155	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

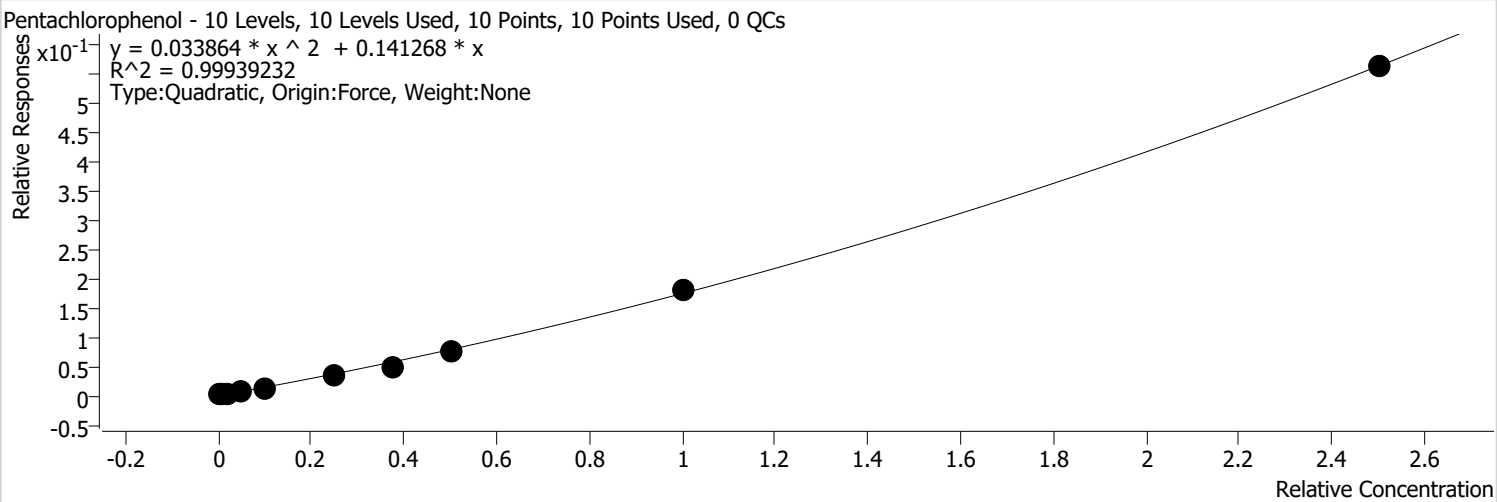
2,4,6-Tribromophenol %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	90	10.0000	0.3911	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	198	20.0000	0.4211	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	362	40.0000	0.4106	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	851	100.0000	0.3778	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	1784	200.0000	0.3945	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	4654	500.0000	0.3947	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	6708	750.0000	0.3777	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	9300	1000.0000	0.3890	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	19244	2000.0000	0.3913	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	47707	5000.0000	0.3983	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

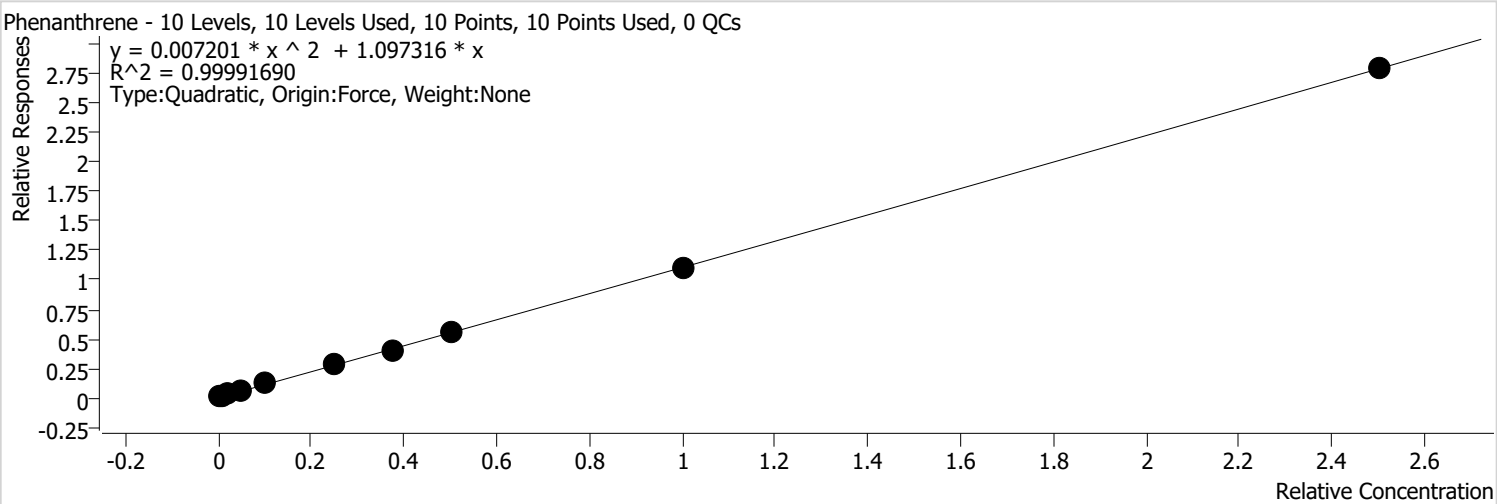
Pentachlorophenol %RSE = 22.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	42	10.0000	0.1826	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	95	20.0000	0.2025	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	141	40.0000	0.1602	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	281	100.0000	0.1247	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	577	200.0000	0.1276	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	1625	500.0000	0.1378	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	2353	750.0000	0.1325	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	3588	1000.0000	0.1501	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	9028	2000.0000	0.1836	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	27017	5000.0000	0.2255	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

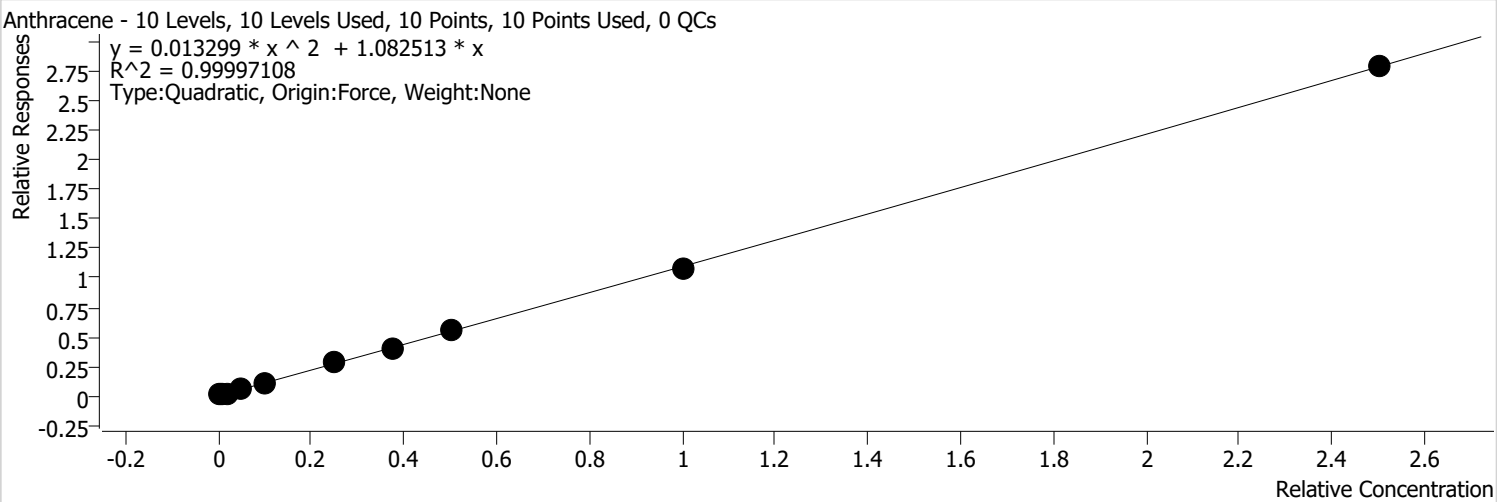
Phenanthrene %RSE = 71.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1361	10.0000	3.0404	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1525	20.0000	1.6683	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2559	40.0000	1.4926	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	5343	100.0000	1.2268	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	10482	200.0000	1.1712	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	26227	500.0000	1.1511	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	37632	750.0000	1.0930	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	52105	1000.0000	1.1097	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	106825	2000.0000	1.0960	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	263021	5000.0000	1.1158	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

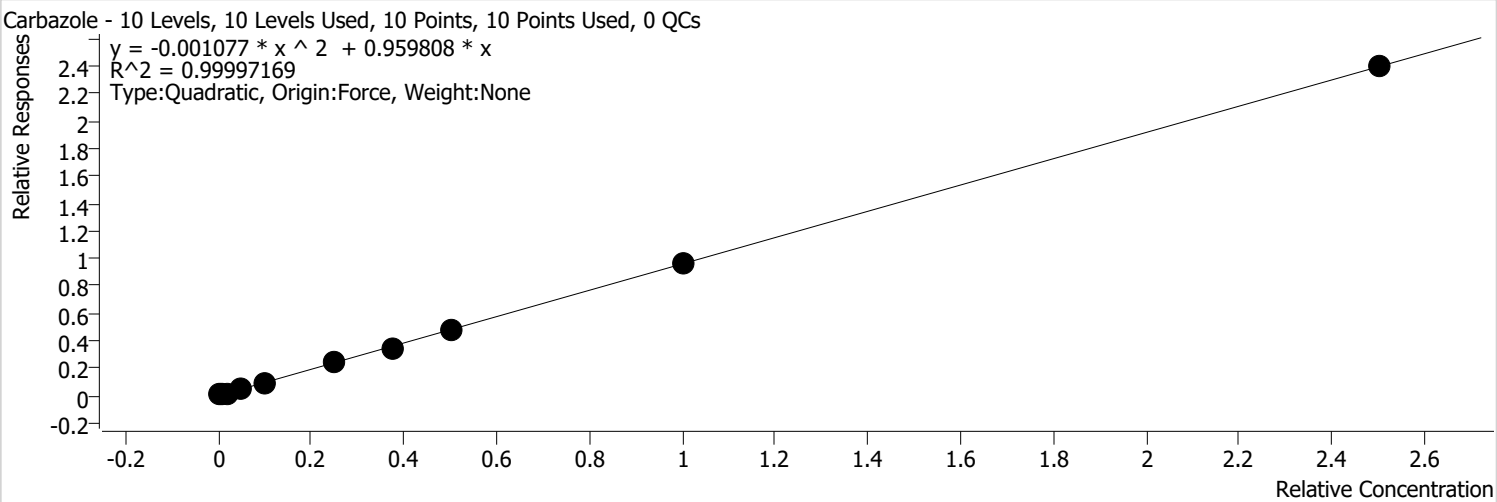
Anthracene %RSE = 15.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	641	10.0000	1.4308	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1183	20.0000	1.2943	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2154	40.0000	1.2566	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4899	100.0000	1.1248	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	10086	200.0000	1.1270	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	25576	500.0000	1.1226	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	37300	750.0000	1.0833	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	51560	1000.0000	1.0981	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	106164	2000.0000	1.0892	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	263098	5000.0000	1.1161	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

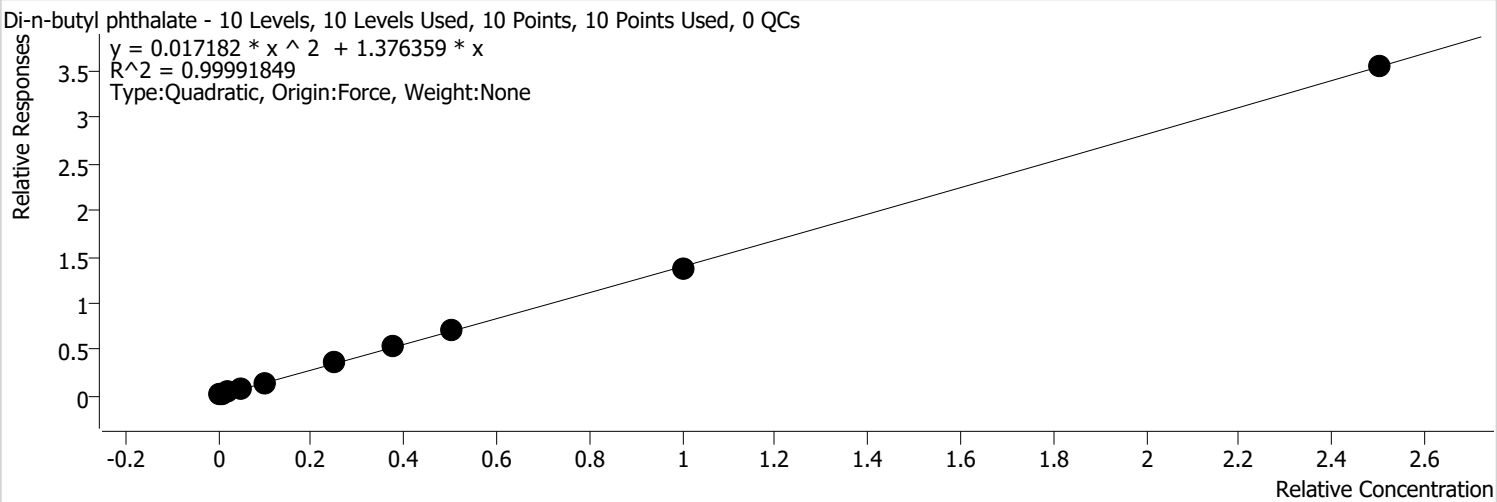
Carbazole %RSE = 3.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	468	10.0000	1.0444	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	897	20.0000	0.9813	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1695	40.0000	0.9888	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4155	100.0000	0.9541	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	8561	200.0000	0.9566	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	22563	500.0000	0.9903	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	32227	750.0000	0.9360	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	45178	1000.0000	0.9622	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	93531	2000.0000	0.9596	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	225616	5000.0000	0.9571	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

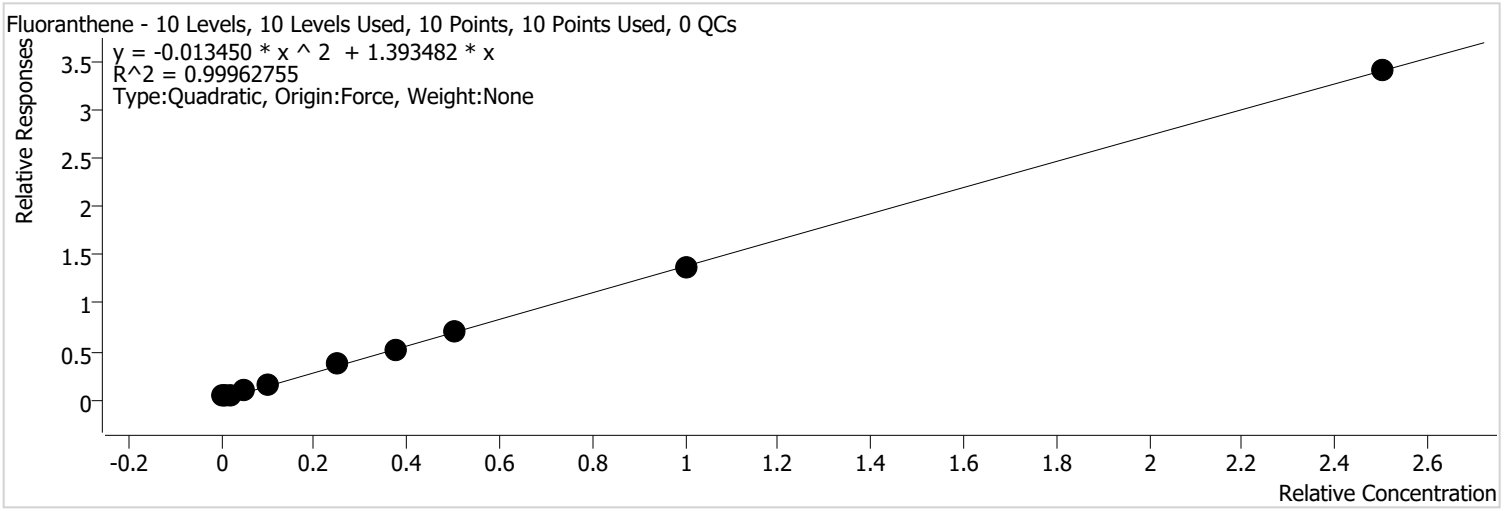
Di-n-butyl phthalate %RSE = 56.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1495	10.0000	3.3393	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1721	20.0000	1.8833	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2978	40.0000	1.7369	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6452	100.0000	1.4813	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	12960	200.0000	1.4481	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	32345	500.0000	1.4197	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48851	750.0000	1.4188	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65674	1000.0000	1.3987	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	134136	2000.0000	1.3762	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	334776	5000.0000	1.4201	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

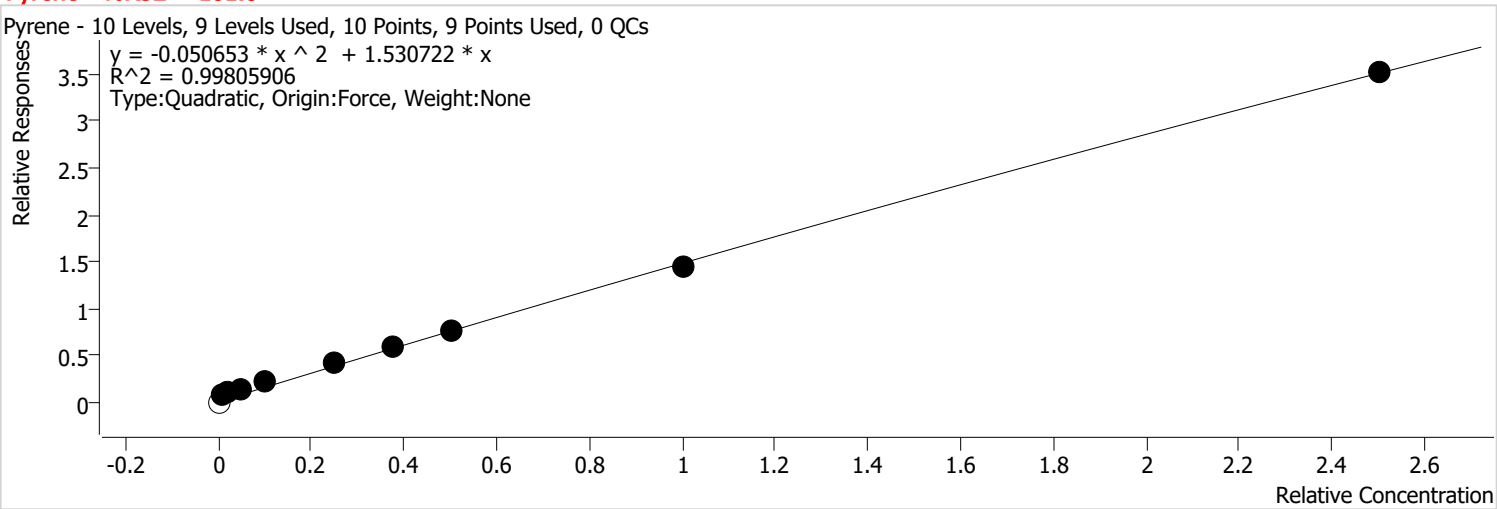
Fluoranthene %RSE = 204.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	3847	10.0000	8.5946	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	2980	20.0000	3.2601	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	4354	40.0000	2.5394	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	7782	100.0000	1.7866	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	14163	200.0000	1.5825	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33370	500.0000	1.4647	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48283	750.0000	1.4023	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65510	1000.0000	1.3952	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	132699	2000.0000	1.3615	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	320795	5000.0000	1.3608	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

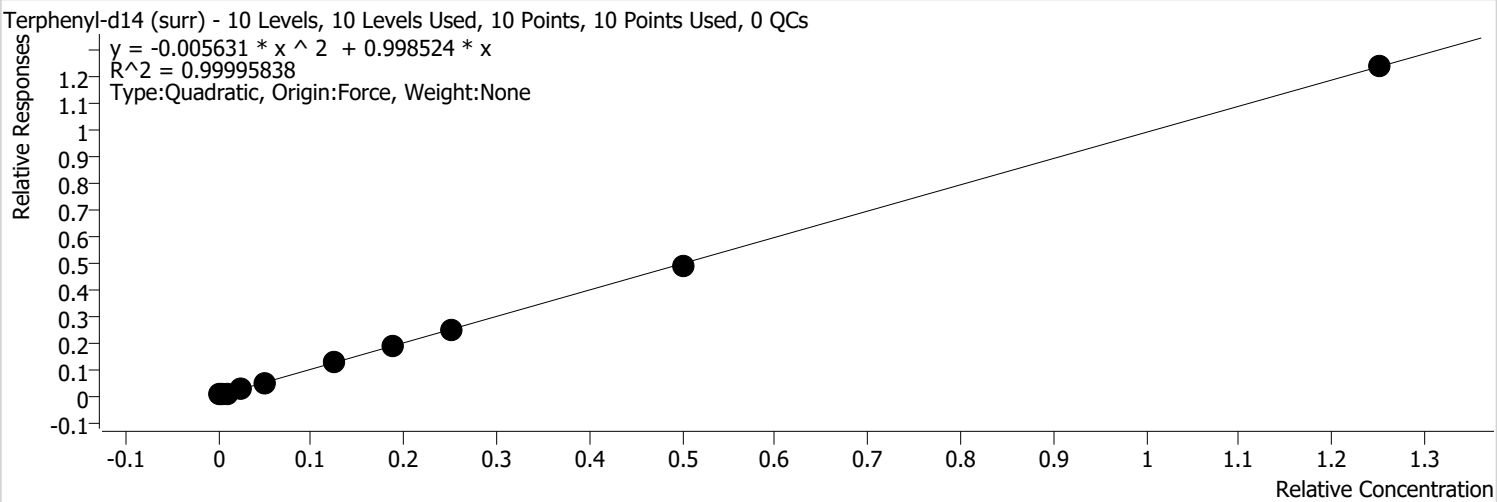
Pyrene %RSE = 181.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1		0	10.0000	0.0000	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	6656	20.0000	7.2815	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	8399	40.0000	4.8990	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	11960	100.0000	2.7460	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	18622	200.0000	2.0808	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	38669	500.0000	1.6973	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	53527	750.0000	1.5546	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	71063	1000.0000	1.5134	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	139869	2000.0000	1.4350	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	331567	5000.0000	1.4065	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

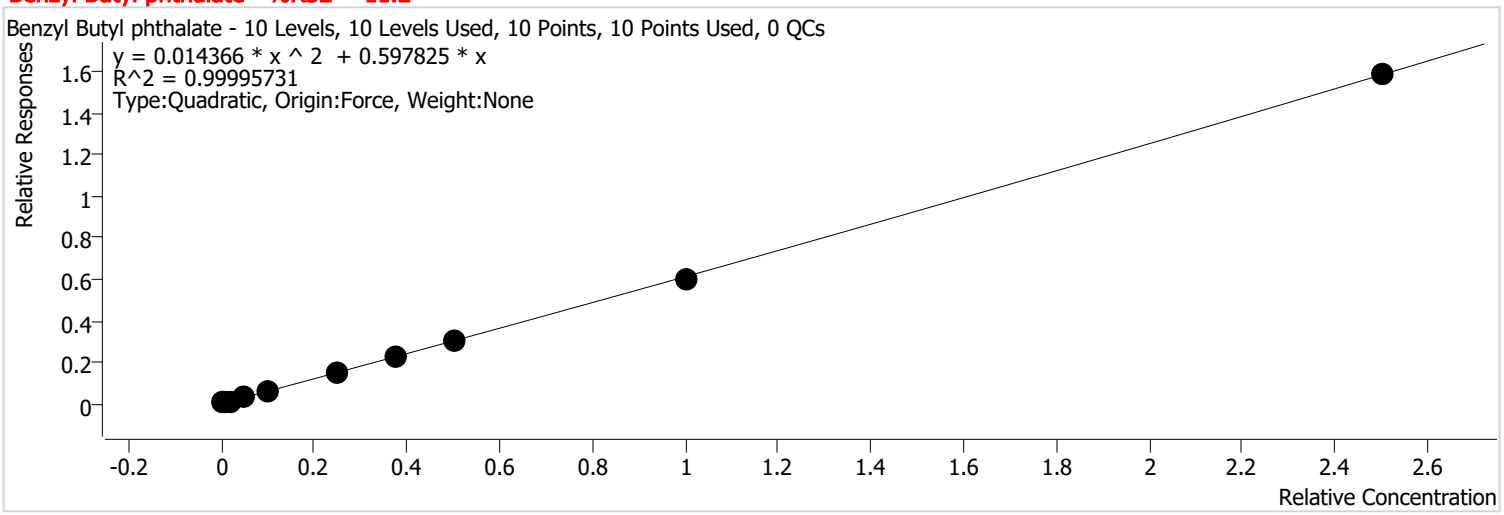
Terphenyl-d14 (surr) %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	252	5.0000	1.1266	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	495	10.0000	1.0842	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	935	20.0000	1.0906	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2250	50.0000	1.0333	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	4642	100.0000	1.0374	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	11776	250.0000	1.0338	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	17240	375.0000	1.0014	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	23684	500.0000	1.0088	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	48091	1000.0000	0.9868	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	116913	2500.0000	0.9919	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

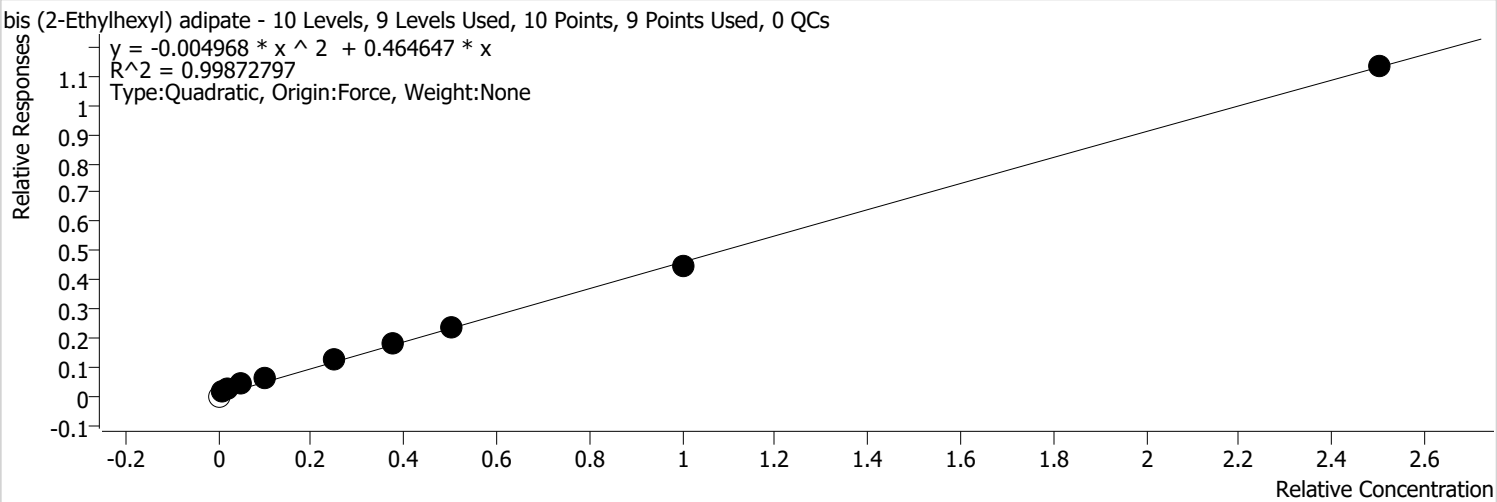
Benzyl Butyl phthalate %RSE = 11.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	342	10.0000	0.7639	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	581	20.0000	0.6352	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1101	40.0000	0.6423	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2644	100.0000	0.6071	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5419	200.0000	0.6056	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	13999	500.0000	0.6145	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	21141	750.0000	0.6140	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	28827	1000.0000	0.6139	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	59034	2000.0000	0.6057	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	149463	5000.0000	0.6340	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

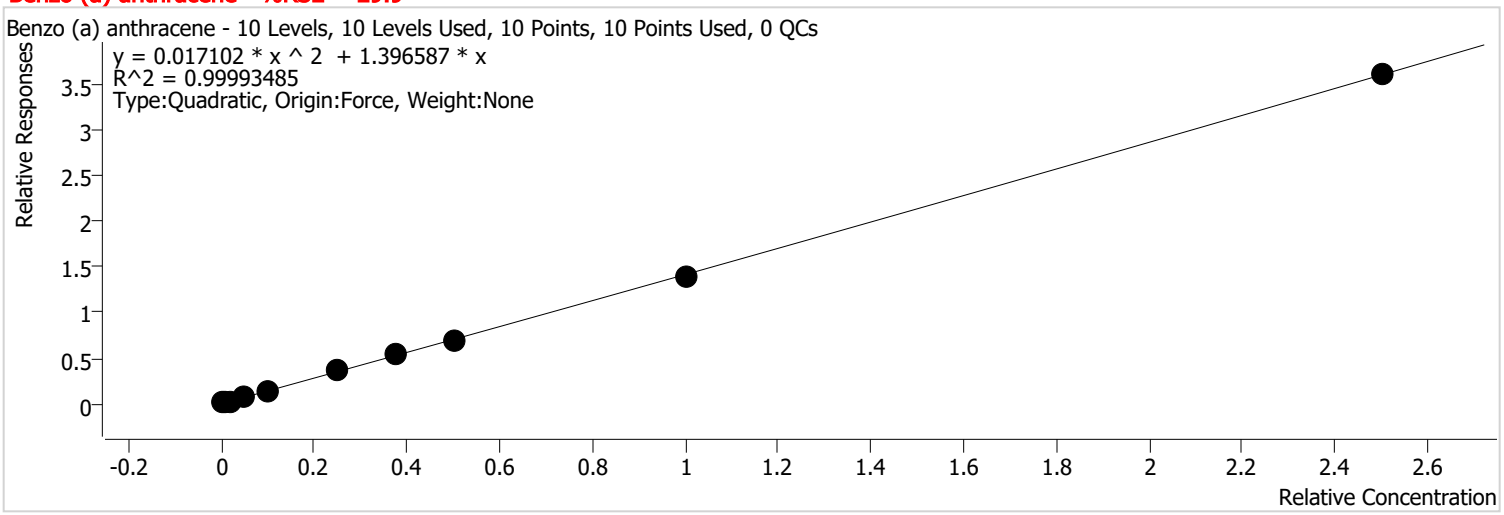
bis (2-Ethylhexyl) adipate %RSE = 148.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1		0	10.0000	0.0000	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1717	20.0000	1.8786	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2268	40.0000	1.3227	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3369	100.0000	0.7735	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5387	200.0000	0.6019	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	11500	500.0000	0.5048	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	16714	750.0000	0.4854	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	21863	1000.0000	0.4656	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	43459	2000.0000	0.4459	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	106776	5000.0000	0.4530	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Benzo (a) anthracene %RSE = 29.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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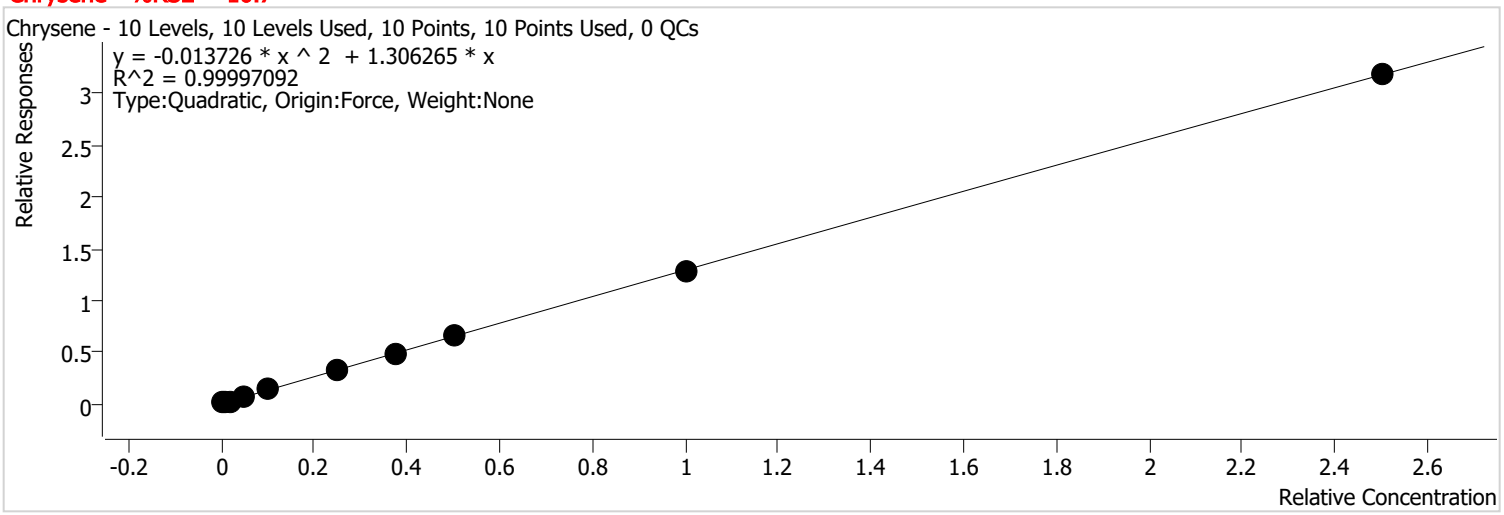
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1642	20.0000	1.7964	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2823	40.0000	1.6466	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6687	100.0000	1.5353	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13101	200.0000	1.4639	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33575	500.0000	1.4737	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48971	750.0000	1.4223	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	66100	1000.0000	1.4077	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	136483	2000.0000	1.4003	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	339464	5000.0000	1.4400	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

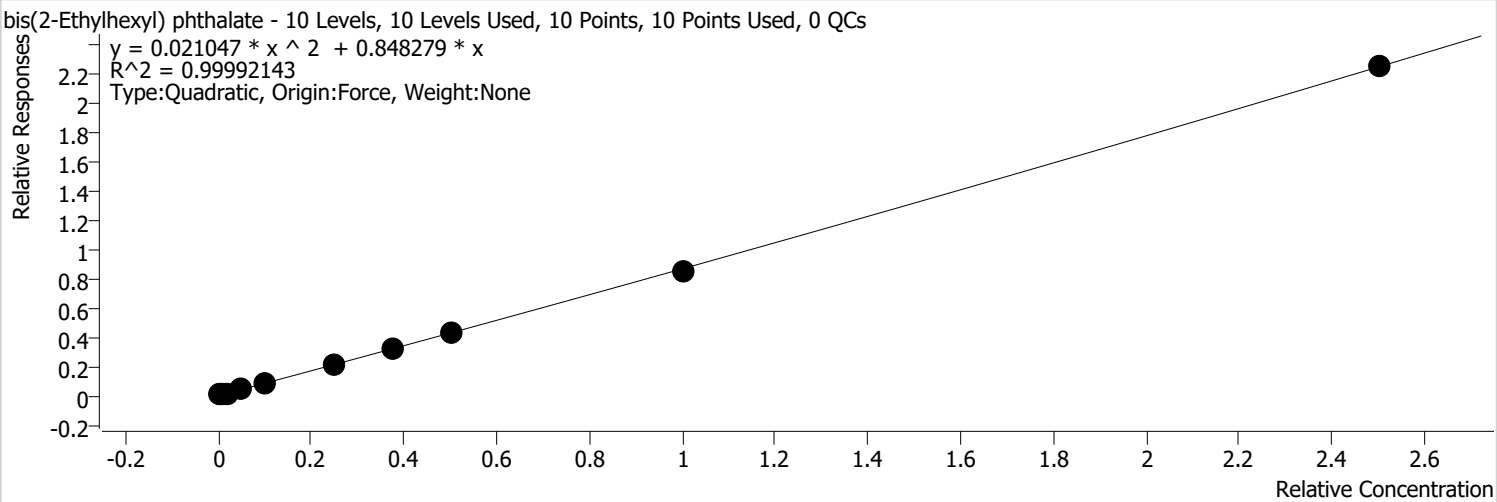
Chrysene %RSE = 10.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	761	10.0000	1.5890	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1404	20.0000	1.4440	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2694	40.0000	1.4804	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6137	100.0000	1.3118	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13155	200.0000	1.3782	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	32483	500.0000	1.3291	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48424	750.0000	1.3126	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65529	1000.0000	1.3101	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	132609	2000.0000	1.2829	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	314503	5000.0000	1.2724	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

bis(2-Ethylhexyl) phthalate %RSE = 48.4

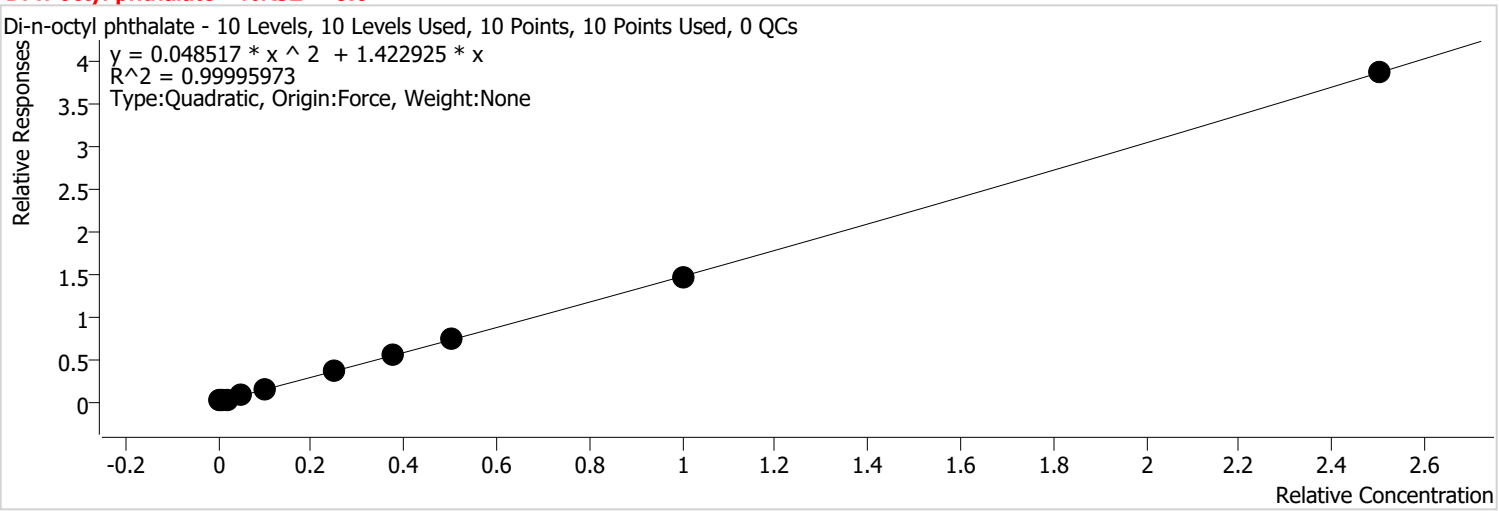


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	913	10.0000	1.9054	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1013	20.0000	1.0414	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1806	40.0000	0.9927	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4177	100.0000	0.8929	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	8384	200.0000	0.8784	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	21543	500.0000	0.8814	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	32541	750.0000	0.8821	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	43368	1000.0000	0.8670	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	88691	2000.0000	0.8580	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	222809	5000.0000	0.9014	

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

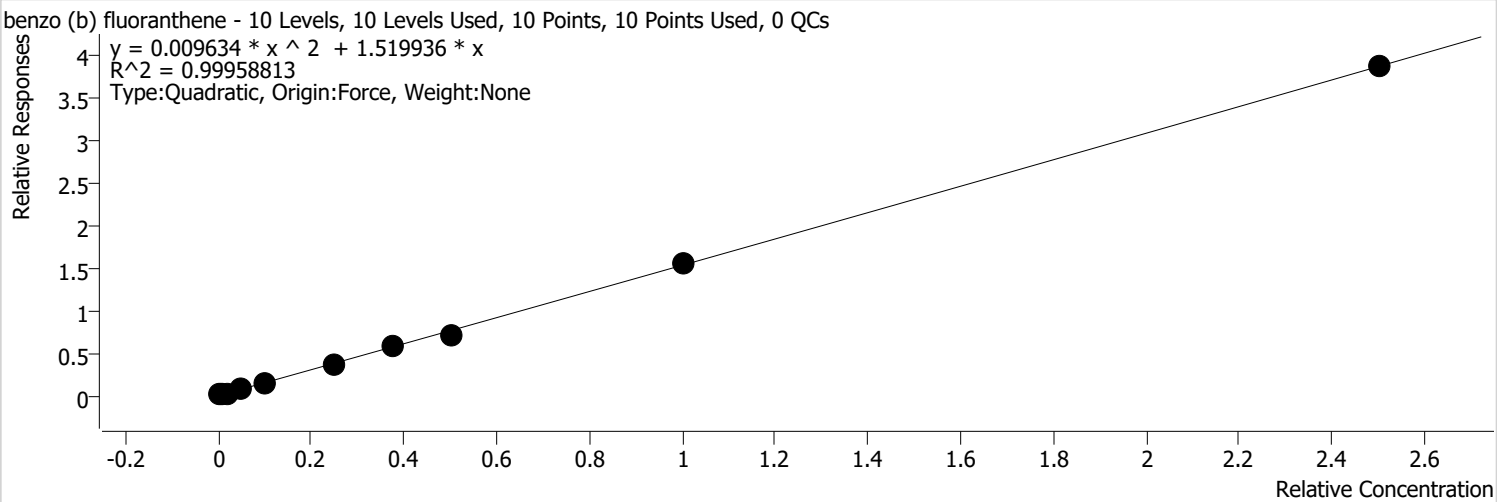
Di-n-octyl phthalate %RSE = 8.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	831	10.0000	1.7341	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1407	20.0000	1.4474	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2698	40.0000	1.4828	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6548	100.0000	1.3997	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13737	200.0000	1.4392	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	35535	500.0000	1.4539	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	54602	750.0000	1.4800	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	73140	1000.0000	1.4622	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	150583	2000.0000	1.4568	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	381850	5000.0000	1.5449	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

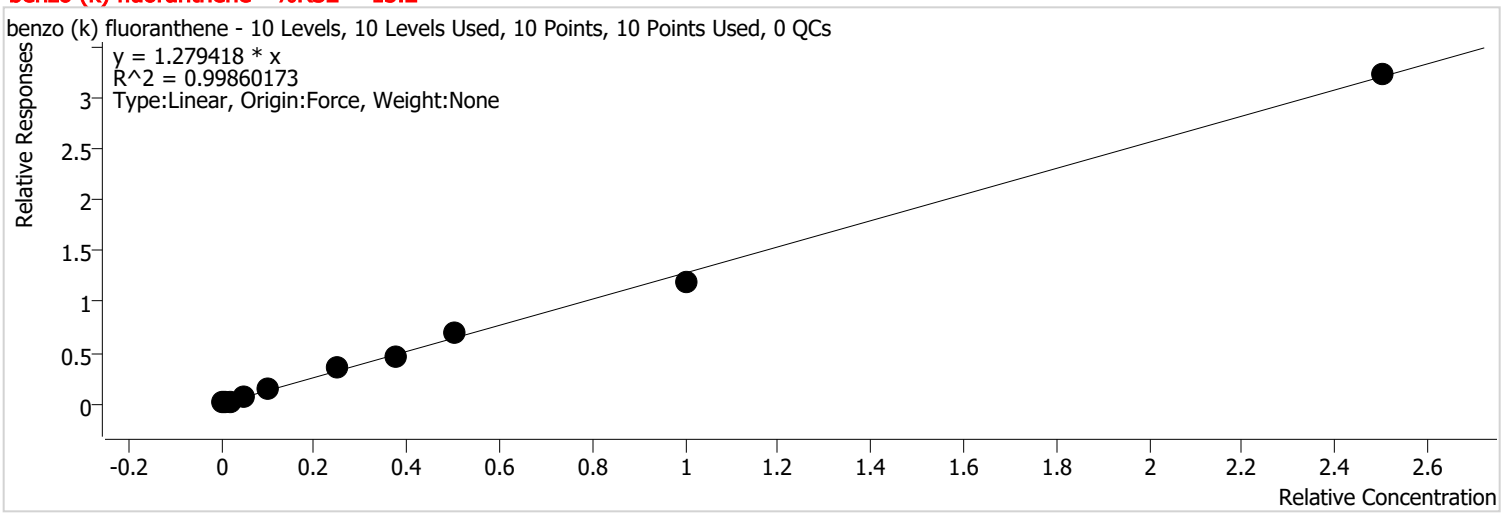
benzo (b) fluoranthene %RSE = 5.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	791	10.0000	1.6517	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1473	20.0000	1.5149	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2848	40.0000	1.5651	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6983	100.0000	1.4926	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	14259	200.0000	1.4938	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	36540	500.0000	1.4951	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	58601	750.0000	1.5884	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	70175	1000.0000	1.4029	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	161285	2000.0000	1.5603	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	381344	5000.0000	1.5428	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

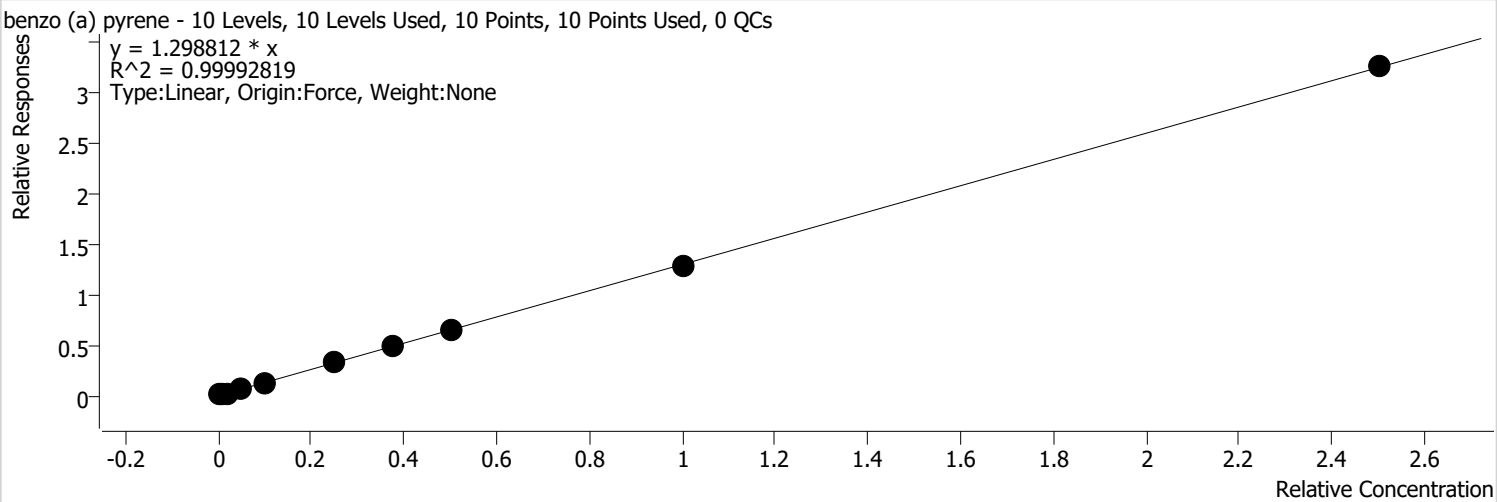
benzo (k) fluoranthene %RSE = 13.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	748	10.0000	1.5612	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1465	20.0000	1.5067	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2685	40.0000	1.4755	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6471	100.0000	1.3832	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13346	200.0000	1.3982	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33842	500.0000	1.3847	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	45636	750.0000	1.2370	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	70152	1000.0000	1.4025	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	123605	2000.0000	1.1958	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	318239	5000.0000	1.2875	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

benzo (a) pyrene %RSE = 22.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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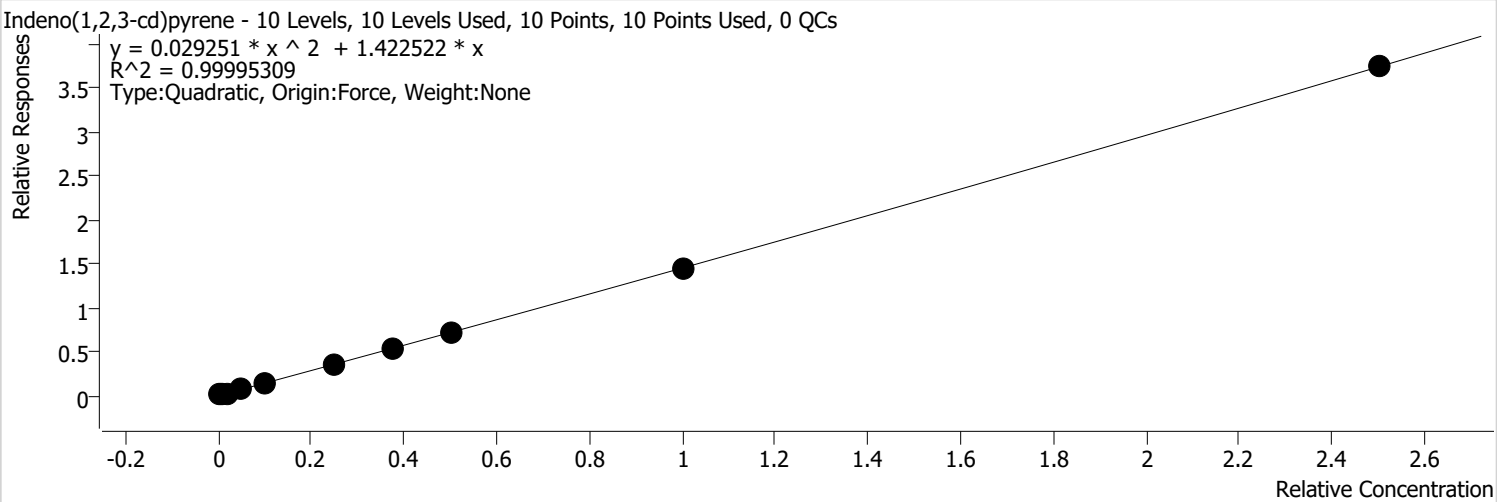
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1444	20.0000	1.4855	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2676	40.0000	1.4705	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6107	100.0000	1.3053	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	12441	200.0000	1.3034	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	31707	500.0000	1.2973	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48512	750.0000	1.3149	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65263	1000.0000	1.3047	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	131897	2000.0000	1.2760	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	321779	5000.0000	1.3018	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Indeno(1,2,3-cd)pyrene %RSE = 16.2

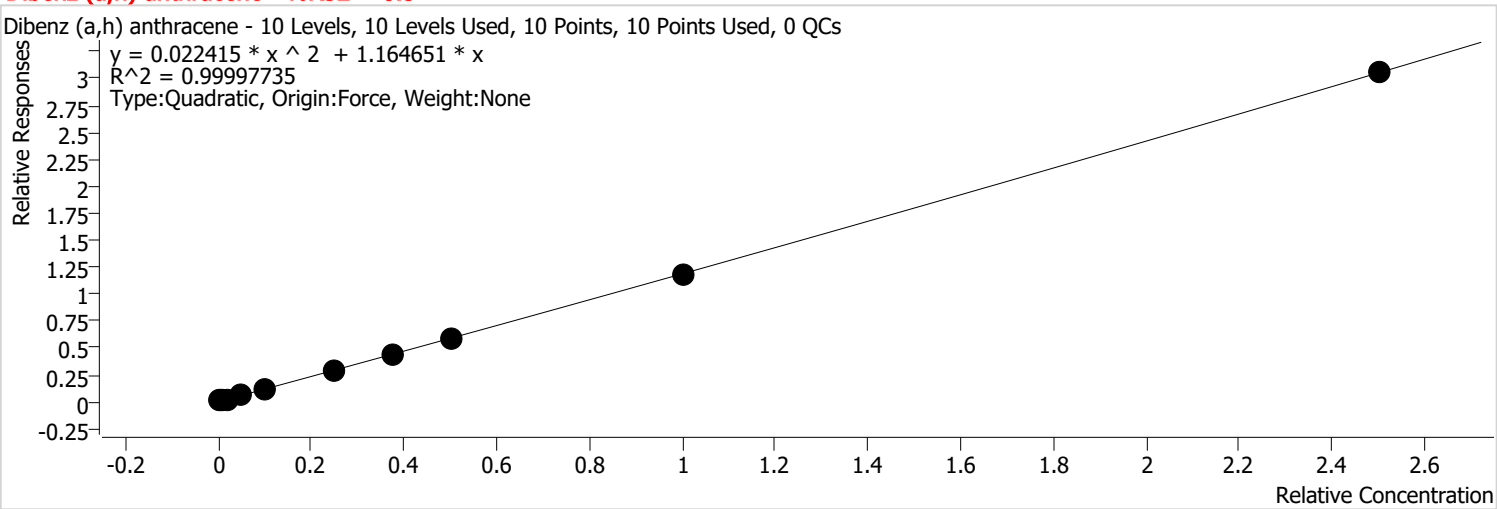


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1078	10.0000	1.9788	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1738	20.0000	1.5756	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	3303	40.0000	1.6048	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	7770	100.0000	1.4641	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	15937	200.0000	1.4703	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	40639	500.0000	1.4713	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	60409	750.0000	1.4516	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	81206	1000.0000	1.4585	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	165581	2000.0000	1.4361	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	414477	5000.0000	1.4964	

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Dibenz (a,h) anthracene %RSE = 8.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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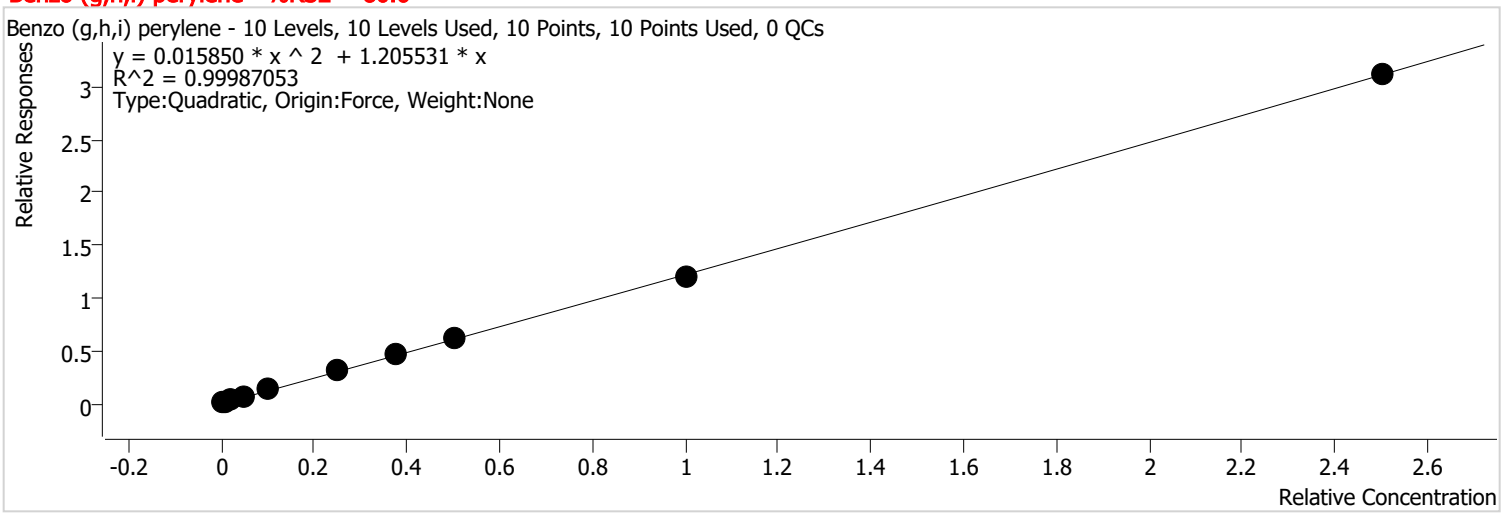
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1392	20.0000	1.2613	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2665	40.0000	1.2952	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6293	100.0000	1.1858	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	12932	200.0000	1.1930	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33004	500.0000	1.1949	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	49359	750.0000	1.1861	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	66020	1000.0000	1.1857	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	135851	2000.0000	1.1783	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	338231	5000.0000	1.2211	

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Benzo (g,h,i) perylene %RSE = 80.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1961	10.0000	3.5991	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	2154	20.0000	1.9524	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	3573	40.0000	1.7361	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	7292	100.0000	1.3740	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	14191	200.0000	1.3092	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	34875	500.0000	1.2626	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	51304	750.0000	1.2328	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	68376	1000.0000	1.2280	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	138864	2000.0000	1.2044	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	345125	5000.0000	1.2460	

Semivolatile Calibration

Date: 08/16/21

Analyst: Sam Berman

MeCl2: 5994

Cal		ICV	
IM 25795	8270 Megamix: 24893		8270 Megamix: 24990
	2,4-DNP: 24998		2,4-DNP: 24501
	Benzoic Acid: 25025		Benzoic Acid: 23305

8270 Surrogate: 25514

IS 25765

Spike Conc. (ppb)	BN/Acid Surr Conc. (ppb)	2° Spike (uL)	B/N Surr (uL)	Internal Standard (uL)	Remove (uL)	Final Vol. (mL)	(mL) @270 MM SS	(mL) Comments 2DNP SS	(mL) HBZ SS
10	10/5	1	--	10	11	1			
20	20/10	2	--	10	12	1			
40	40/20	4	--	10	14	1			
100	100/50	10	--	10	20	1			
200	200/100	20	--	10	30	1			
500	500/250	~~40~~ 50	--	10	60	1			
750	750/375	75	--	10	85	1			
1000	1000/500	100	--	10	110	1			
2000	2000/1000	200	--	10	210	1			
5000	5000/2500	500	--	10	510	1			
ICB	1000/500		~~15~~	10	~~11~~ 15	1			
ICV (1000 ppb)	1000/500	100 (2° SS)		10	~~110~~ 19	1	1	1	1

8/11/21 8/11/21 8/11/21

	Mega Mix (uL)	2,4-DNP (uL)	Benzoic Acid (uL)	8270 Surr (uL)	Final Volume (mL)
2° Intermediate (cal)	100	100	100	100	10
2° Intermediate (SS)	50	50	50	50	5

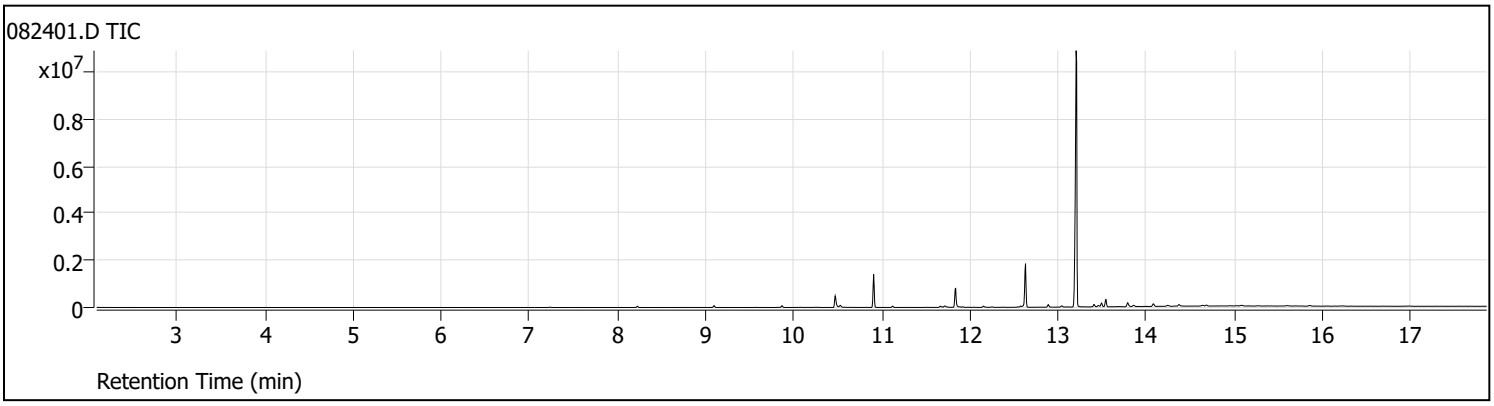
Signature and Date: 08/16/21

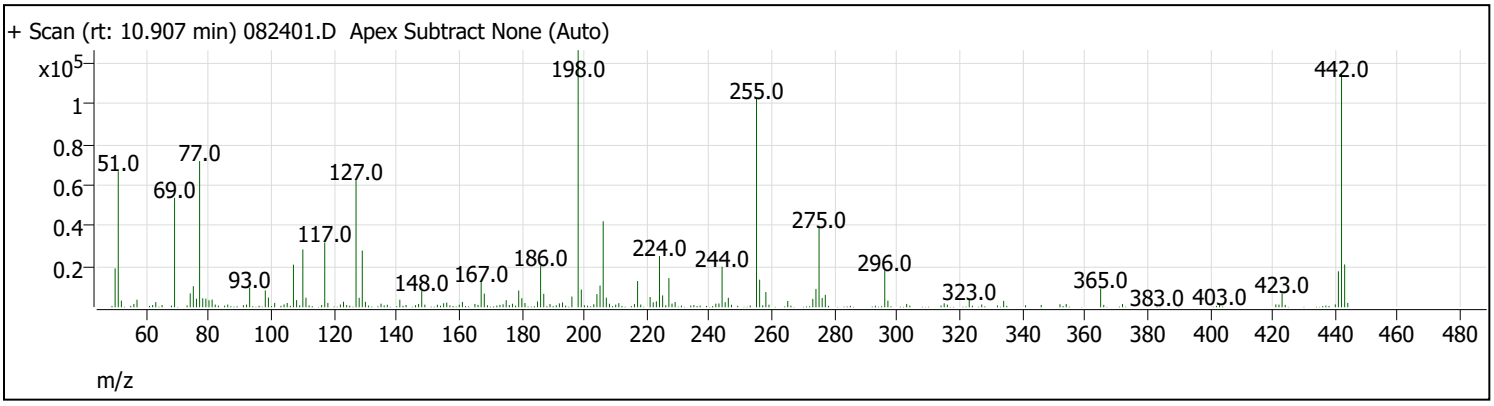
Signature: EM

Tunes

Tune Evaluation Report

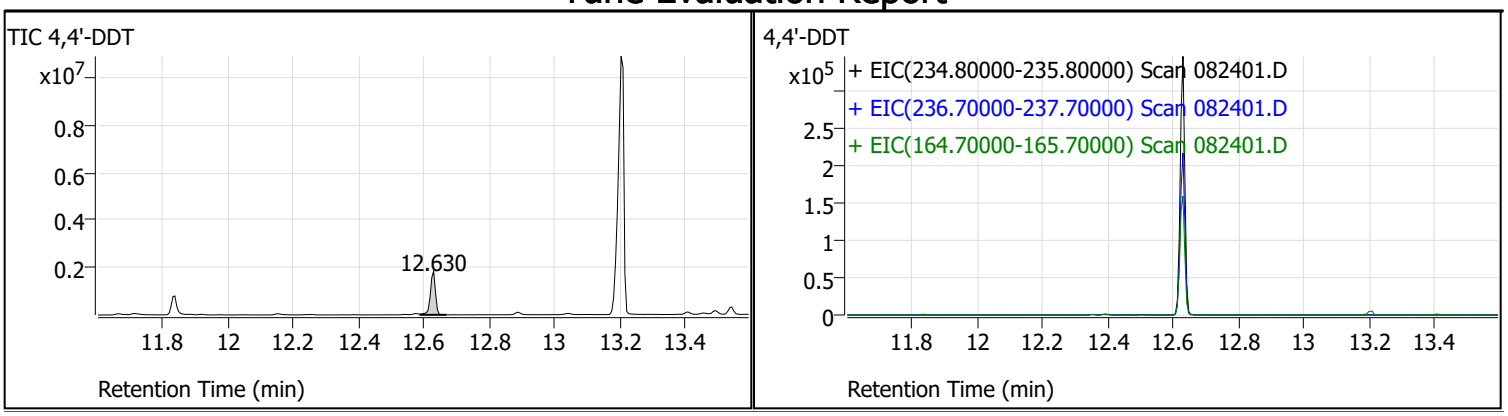
Data Path:	C:\GC-14\Data\2021\082421\082401.D
Acq on:	8/24/2021 8:05:10 AM
Operator:	FA\GC14
Sample:	TUNE
Inst Name:	GC-14
ALS Vial:	1
Method:	C:\GC-14\Methods\Quant Methods\TUNE\DFTPPwBreak&TailingGC218270E.m

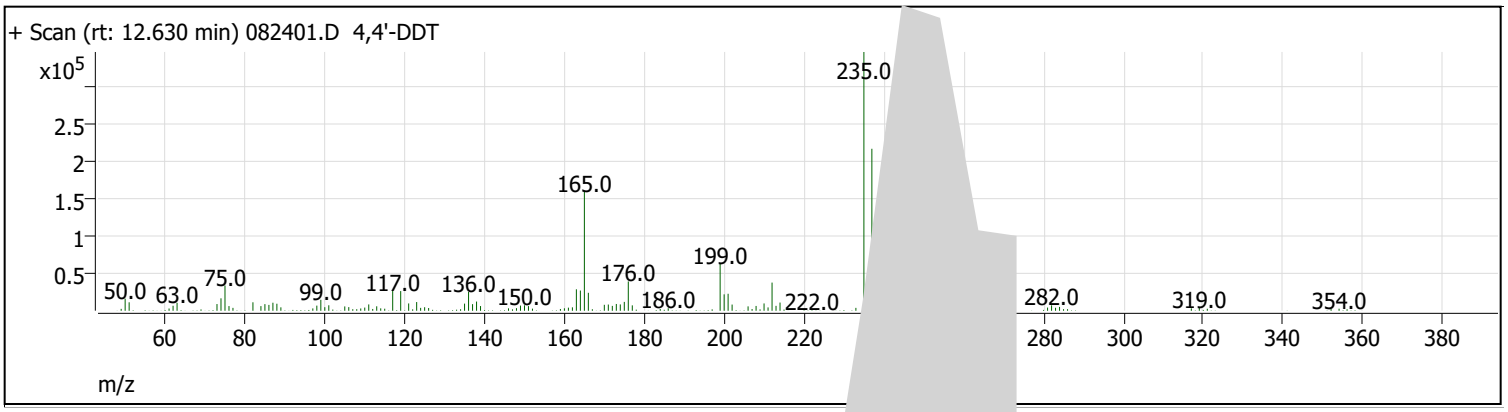


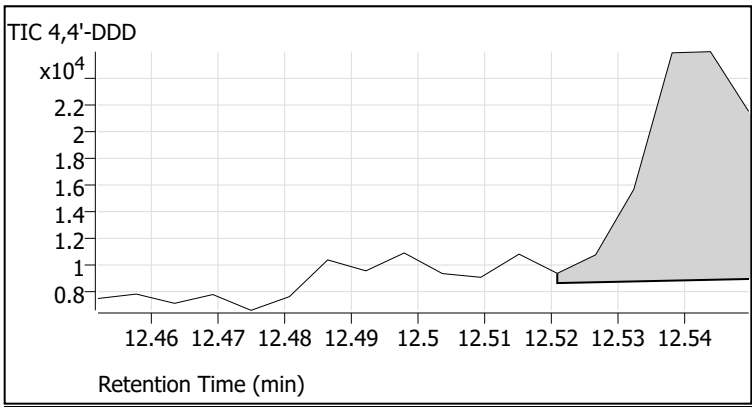


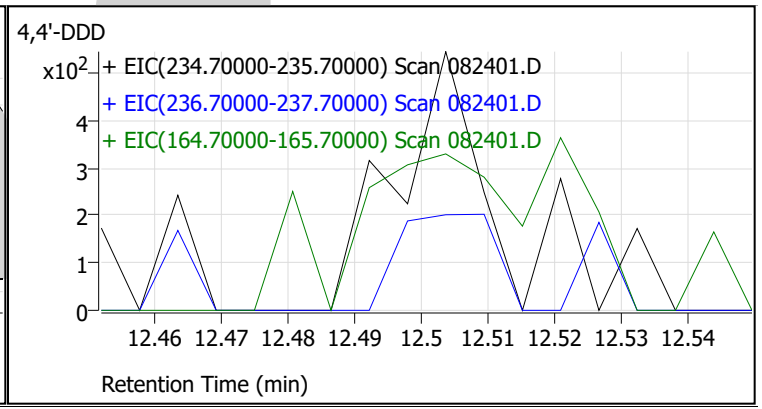
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	1.5	810	Pass
70	69	0	2	0.4	193	Pass
197	198	0	2	0.0	0	Pass
198	198	100	100	100.0	126312	Pass
199	198	5	9	6.9	8671	Pass
365	198	1	100	7.3	9274	Pass
441	443	1E-10	150	84.0	17688	Pass
442	442	100	100	100.0	114832	Pass
443	442	15	24	18.3	21048	Pass
69	69	100	100	100.0	53752	Pass

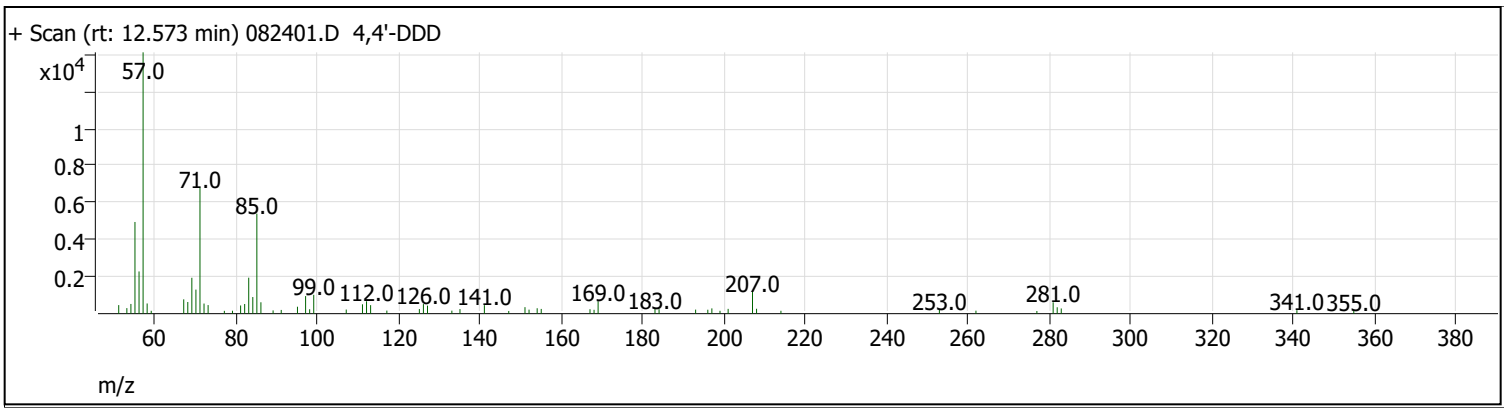
Tune Evaluation Report





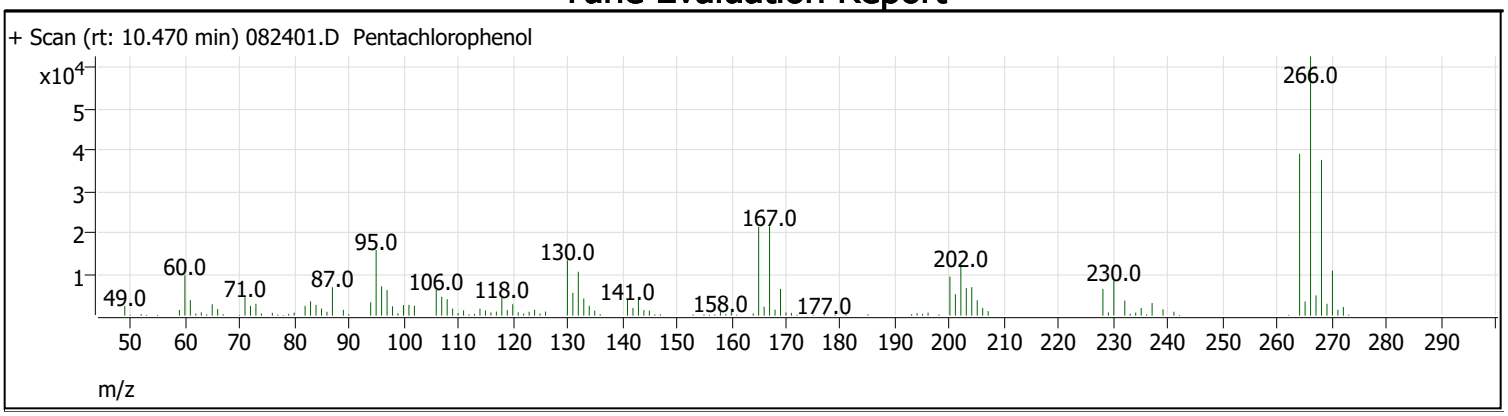


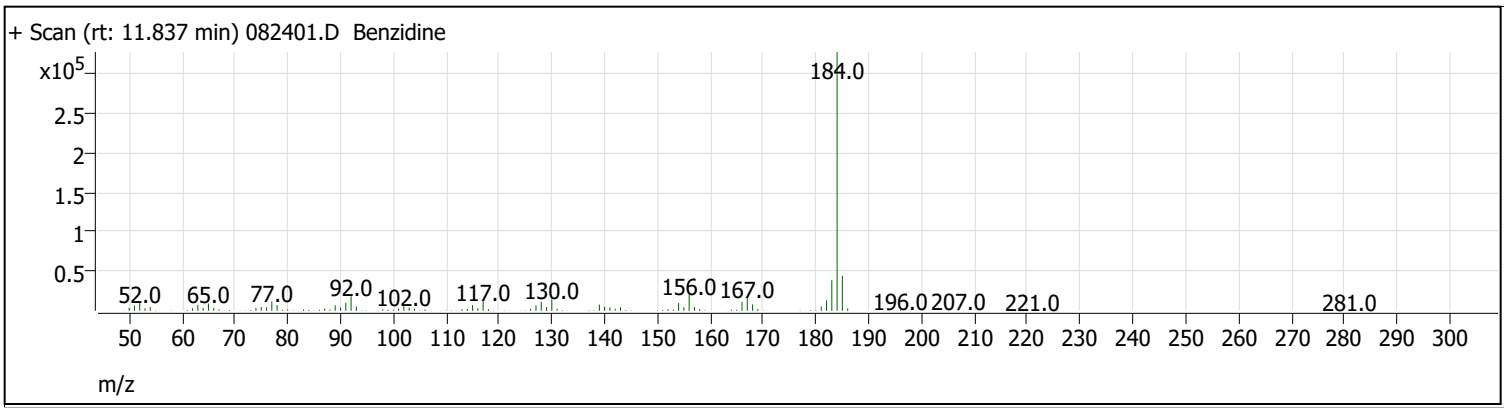




Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	12.600	12.630	1961410	4.4	Pass
4,4'-DDD	12.500	12.573	89588		

Tune Evaluation Report

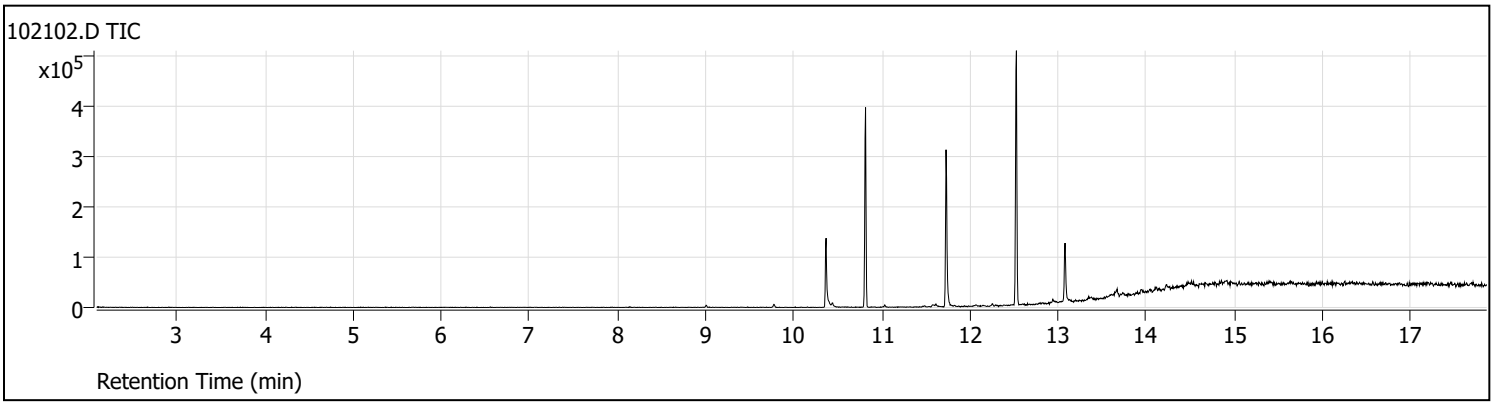


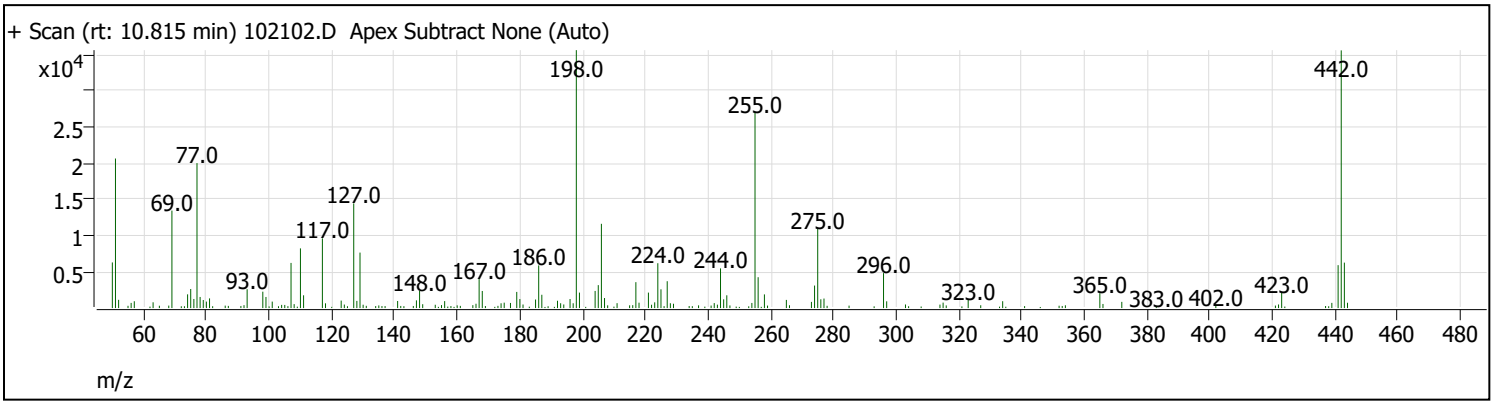


Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	10.540	10.470	1.9	2.8	Pass
Benzidine	11.906	11.837	0.9	3.2	Pass

Tune Evaluation Report

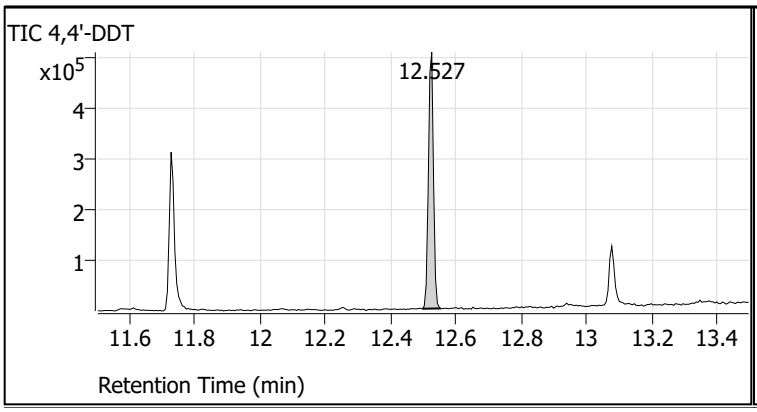
Data Path:	C:\GC-14\Data\2021\102121\102102.D
Acq on:	10/21/2021 8:31:24 AM
Operator:	FA\gc14
Sample:	TUNE
Inst Name:	GC-14
ALS Vial:	1
Method:	C:\GC-14\Methods\Quant Methods\TUNE\DFTPPwBreak&TailingGC218270E.m

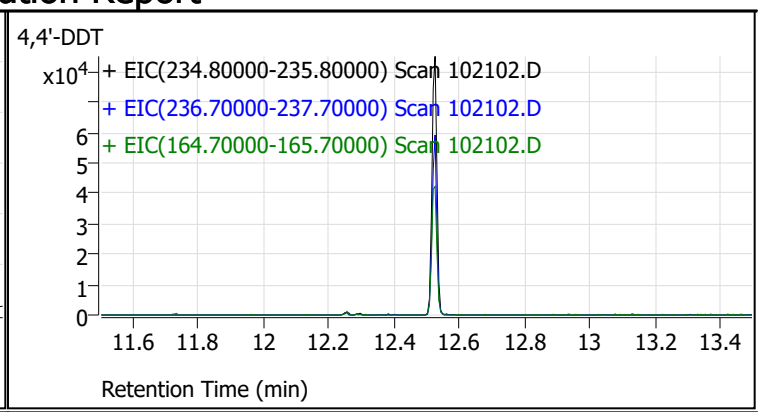


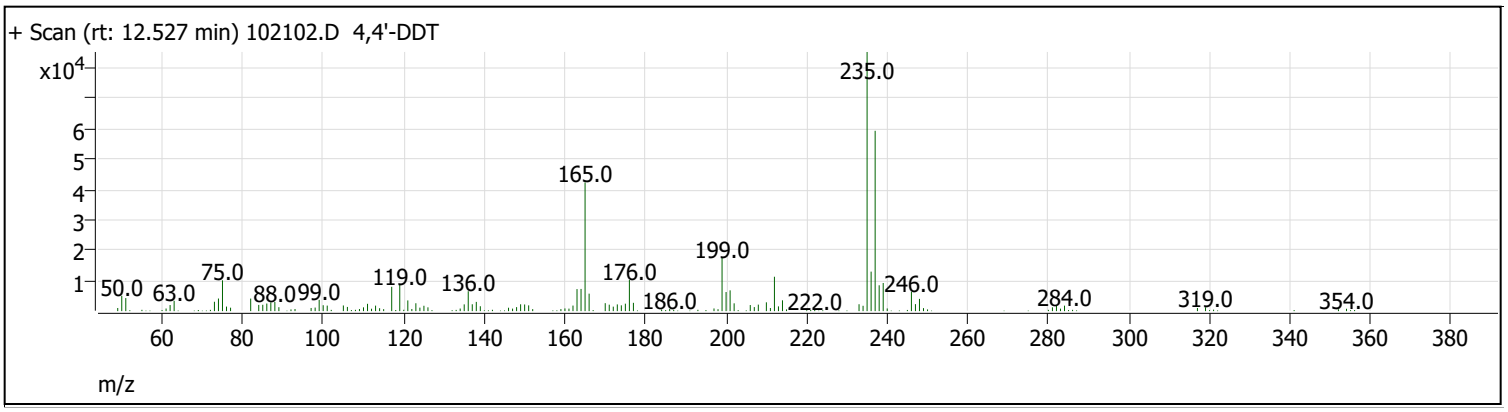


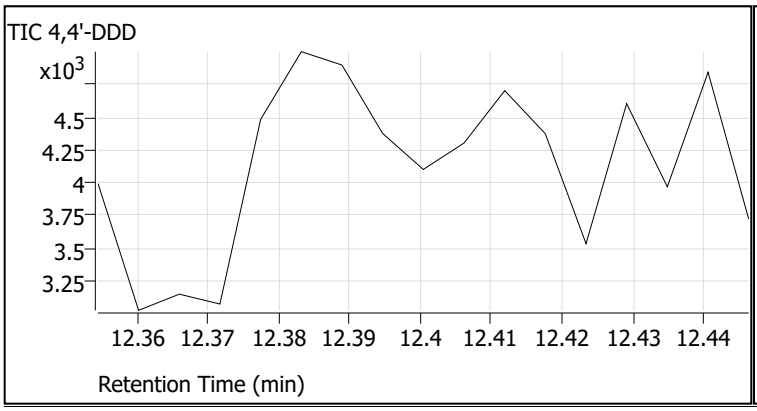
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	2.5	342	Fail
70	69	0	2	0.0	0	Pass
197	198	0	2	1.9	664	Pass
198	198	100	100	100.0	35552	Pass
199	198	5	9	6.0	2133	Pass
365	198	1	100	5.8	2054	Pass
441	443	1E-10	150	94.4	5917	Pass
442	442	100	100	100.0	35520	Pass
443	442	15	24	17.6	6267	Pass
69	69	100	100	100.0	13441	Pass

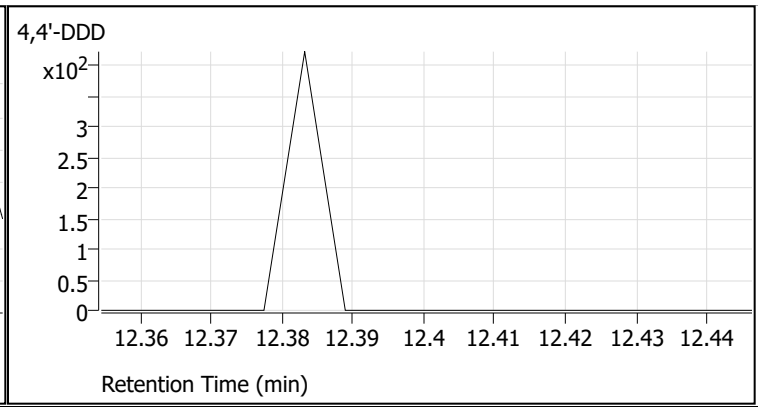
Tune Evaluation Report

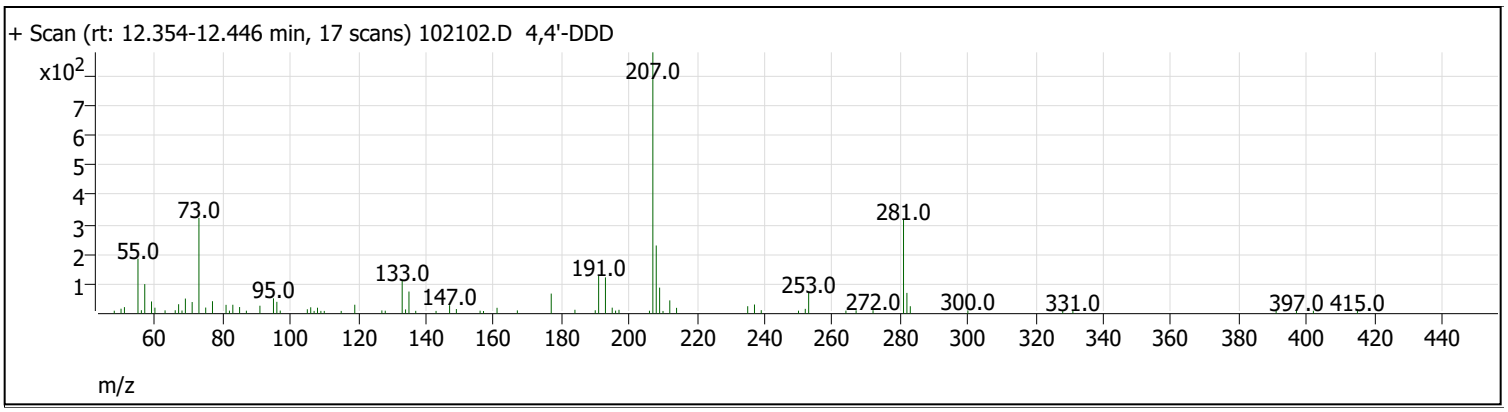






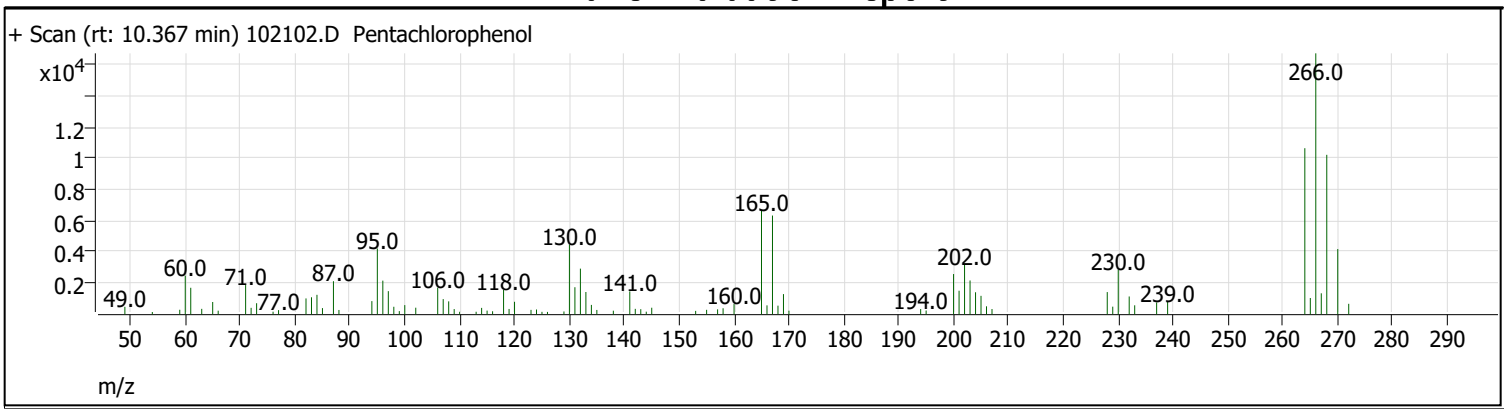


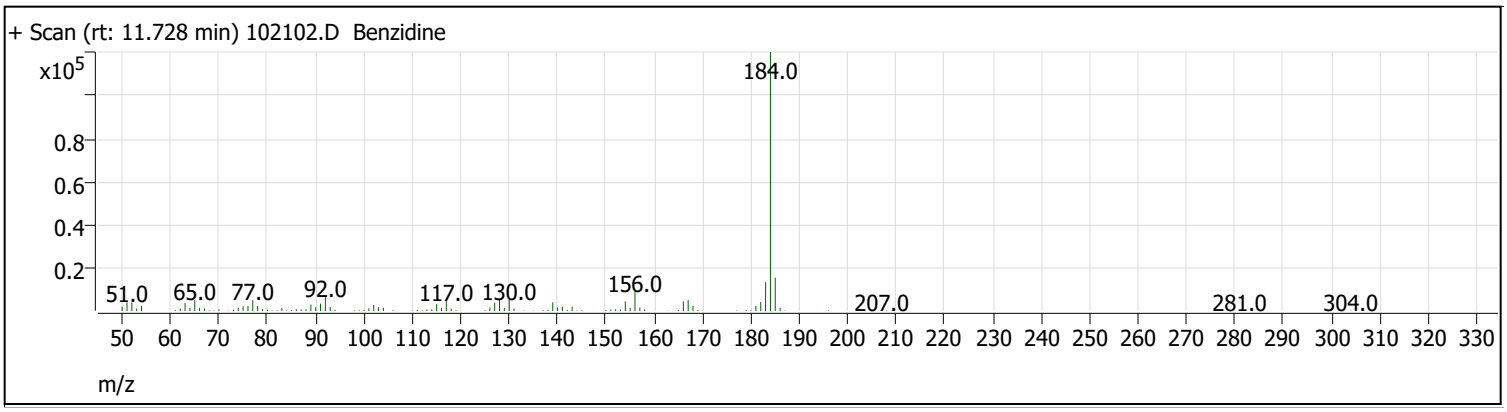




Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	12.500	12.527	532752	0.0	Pass
4,4'-DDD	12.400	0.000	0		

Tune Evaluation Report





Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	10.360	10.367	1.7	3.4	Pass
Benzidine	11.728	11.728	1.8	3.3	Pass

DATA SET for Review -- Deliverable Requirements

Polychlorinated Biphenyls (PCB) by EPA 8082

Fremont Analytical Work Order No. 2110287

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information

Injection Log

Data Directory: D:\GC-16\Data\2021\093021\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 093034.D	8081_8082A_608.M			
No data found			0.000	N/A
2) 093001.D	8081_8082A_608.M			
CO		6	1.000	30 Sep 2021 07:54 am
3) 093002.D	8081_8082A_608.M			
1660 10		11	1.000	30 Sep 2021 08:04 am
4) 093003.D	8081_8082A_608.M			
1660 20		12	1.000	30 Sep 2021 08:14 am
5) 093004.D	8081_8082A_608.M			
1660 50		13	1.000	30 Sep 2021 08:24 am
6) 093005.D	8081_8082A_608.M			
1660 100		14	1.000	30 Sep 2021 08:33 am
7) 093006.D	8081_8082A_608.M			
1660 200		15	1.000	30 Sep 2021 08:43 am
8) 093007.D	8081_8082A_608.M			
1660 500		16	1.000	30 Sep 2021 08:53 am
9) 093008.D	8081_8082A_608.M			
1660 1000		17	1.000	30 Sep 2021 09:02 am
10) 093009.D	8081_8082A_608.M			
1660 2000		18	1.000	30 Sep 2021 09:12 am
11) 093010.D	8081_8082A_608.M			
1660 ICB		19	1.000	30 Sep 2021 09:22 am
12) 093011.D	8081_8082A_608.M			
1660 ICV		20	1.000	30 Sep 2021 09:32 am
13) 093012.D	8081_8082A_608.M			
1254 10		21	1.000	30 Sep 2021 09:41 am
14) 093013.D	8081_8082A_608.M			
1660 ICV		20	1.000	30 Sep 2021 09:51 am
15) 093014.D	8081_8082A_608.M			
1254 20		22	1.000	30 Sep 2021 10:02 am
16) 093015.D	8081_8082A_608.M			
1254 50		23	1.000	30 Sep 2021 10:12 am
17) 093016.D	8081_8082A_608.M			
1254 100		24	1.000	30 Sep 2021 10:22 am
18) 093017.D	8081_8082A_608.M			
1254 200		25	1.000	30 Sep 2021 10:33 am
19) 093018.D	8081_8082A_608.M			
1254 500		26	1.000	30 Sep 2021 10:42 am
20) 093019.D	8081_8082A_608.M			
1254 1000		27	1.000	30 Sep 2021 10:52 am
21) 093020.D	8081_8082A_608.M			
1254 2000		28	1.000	30 Sep 2021 11:02 am

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 22) 093021.D              8081_8082A_608.M
1254 ICB                                29    1.000     30 Sep 2021  11:12 am
  ------------------------------------------------------------------------------
 23) 093022.D              8081_8082A_608.M
1254 ICV                                30    1.000     30 Sep 2021  11:21 am
  ------------------------------------------------------------------------------
 24) 093023.D              8081_8082A_608.M
1660-CCV-33867A                         17    1.000     30 Sep 2021  11:31 am
  ------------------------------------------------------------------------------
 25) 093024.D              8081_8082A_608.M
1254-CCV-33867A                         27    1.000     30 Sep 2021  11:41 am
  ------------------------------------------------------------------------------
 26) 093025.D              8081_8082A_608.M
MB-33867                                31    1.000     30 Sep 2021  11:50 am
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 27) 093026.D              8081_8082A_608.M
LCS1-33867                              32    1.000     30 Sep 2021  12:00 pm
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 28) 093027.D              8081_8082A_608.M
LCS1D-33867                             33    1.000     30 Sep 2021  12:10 pm
  ------------------------------------------------------------------------------
 29) 093028.D              8081_8082A_608.M
LCS2-33867                              34    1.000     30 Sep 2021  12:20 pm
  ------------------------------------------------------------------------------
 30) 093029.D              8081_8082A_608.M
LCS-LL-33867                            35    1.000     30 Sep 2021  12:29 pm
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 31) 093030.D              8081_8082A_608.M
2109469-001A                            44    1.000     30 Sep 2021  12:39 pm
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 32) 093031.D              8081_8082A_608.M
2109469-001AMS                          45    1.000     30 Sep 2021  12:49 pm
  ------------------------------------------------------------------------------
 33) 093032.D              8081_8082A_608.M
2109390-011E                            36    1.000     30 Sep 2021  12:58 pm
  ------------------------------------------------------------------------------
 34) 093033.D              8081_8082A_608.M
2109397-003C                            37    1.000     30 Sep 2021  01:08 pm
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Injection Log

Data Directory: D:\GC-16\Data\2021\102121\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	102101.D	8081_8082A_608.M			
CO			6	1.000	21 Oct 2021 02:00 pm
2)	102102.D	8081_8082A_608.M			
CO			7	1.000	21 Oct 2021 02:10 pm
3)	102103.D	8081_8082A_608.M			
1660-CCV-			4	1.000	21 Oct 2021 02:20 pm
4)	102104.D	8081_8082A_608.M			
1254-CCV-			5	1.000	21 Oct 2021 02:30 pm
5)	102105.D	8081_8082A_608.M			
MB-34121			61	1.000	21 Oct 2021 02:39 pm
6)	102106.D	8081_8082A_608.M			
LCS1-34121			62	1.000	21 Oct 2021 02:49 pm
7)	102107.D	8081_8082A_608.M			
LCS2-34121			63	1.000	21 Oct 2021 02:59 pm
8)	102108.D	8081_8082A_608.M			
2110287-001A			64	1.000	21 Oct 2021 03:09 pm
9)	102109.D	8081_8082A_608.M			
2110287-002A			65	1.000	21 Oct 2021 03:18 pm
10)	102110.D	8081_8082A_608.M			
2110287-002AMS			66	1.000	21 Oct 2021 03:28 pm
11)	102111.D	8081_8082A_608.M			
2110287-002AMSD			67	1.000	21 Oct 2021 03:38 pm
12)	102112.D	8081_8082A_608.M			
2110287-003A			68	1.000	21 Oct 2021 03:48 pm
13)	102113.D	8081_8082A_608.M			
2110287-004A			69	1.000	21 Oct 2021 03:57 pm
14)	102114.D	8081_8082A_608.M			
2110287-005A			70	1.000	21 Oct 2021 04:07 pm
15)	102115.D	8081_8082A_608.M			
2110287-006A			71	1.000	21 Oct 2021 04:17 pm
16)	102116.D	8081_8082A_608.M			
2110287-007A			72	1.000	21 Oct 2021 04:27 pm
17)	102117.D	8081_8082A_608.M			
2110287-008A			73	1.000	21 Oct 2021 04:36 pm
18)	102118.D	8081_8082A_608.M			
2110287-009A			74	1.000	21 Oct 2021 04:46 pm
19)	102119.D	8081_8082A_608.M			
2110287-010A			75	1.000	21 Oct 2021 04:56 pm
20)	102120.D	8081_8082A_608.M			
2110009-028A			76	1.000	21 Oct 2021 05:06 pm
21)	102121.D	8081_8082A_608.M			
MDL 0.01			77	1.000	21 Oct 2021 05:15 pm

```
 22) 102122.D              8081_8082A_608.M
CO                                        7    1.000     21 Oct 2021  05:25 pm
  ----------------------------------------------------------------------------
 23) 102123.D              8081_8082A_608.M
1660-CCV-                                 4    1.000     21 Oct 2021  05:35 pm
  ----------------------------------------------------------------------------
 24) 102124.D              8081_8082A_608.M
1254-CCV-                                 5    1.000     21 Oct 2021  05:44 pm
  ----------------------------------------------------------------------------
```

Injection Log

Data Directory: D:\GC-16\Data\2021\102521\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 102523.D	8081_8082A_608.M			
No data found			0.000	N/A
2) 102501.D	8081_8082A_608.M			
CO		6	1.000	25 Oct 2021 08:42 am
3) 102502.D	8081_8082A_608.M			
CO		7	1.000	25 Oct 2021 08:52 am
4) 102503.D	8081_8082A_608.M			
1660-CCV-		6	1.000	25 Oct 2021 09:02 am
5) 102504.D	8081_8082A_608.M			
1254-CCV-		7	1.000	25 Oct 2021 09:12 am
6) 102505.D	8081_8082A_608.M			
CO		7	1.000	25 Oct 2021 10:57 am
7) 102506.D	8081_8082A_608.M			
1660-CCV-34154A		6	1.000	25 Oct 2021 11:07 am
8) 102507.D	8081_8082A_608.M			
1254-CCV-34154A		7	1.000	25 Oct 2021 11:17 am
9) 102508.D	8081_8082A_608.M			
MB-34154		121	1.000	25 Oct 2021 11:47 am
10) 102509.D	8081_8082A_608.M			
LCS1-34154		122	1.000	25 Oct 2021 11:57 am
11) 102510.D	8081_8082A_608.M			
LCS2-34154		123	1.000	25 Oct 2021 12:07 pm
12) 102511.D	8081_8082A_608.M			
2110287-004A		124	1.000	25 Oct 2021 12:16 pm
13) 102512.D	8081_8082A_608.M			
2110287-007A		125	1.000	25 Oct 2021 12:26 pm
14) 102513.D	8081_8082A_608.M			
2110287-007AMS		126	1.000	25 Oct 2021 12:36 pm
15) 102514.D	8081_8082A_608.M			
2110287-007AMSD		127	1.000	25 Oct 2021 12:46 pm
16) 102515.D	8081_8082A_608.M			
2110287-009A		128	1.000	25 Oct 2021 12:55 pm
17) 102516.D	8081_8082A_608.M			
2110311-001A		129	1.000	25 Oct 2021 01:05 pm
18) 102517.D	8081_8082A_608.M			
2110311-002A		130	1.000	25 Oct 2021 01:15 pm
19) 102518.D	8081_8082A_608.M			
2110311-003A		131	1.000	25 Oct 2021 01:25 pm
20) 102519.D	8081_8082A_608.M			
2110311-004A		132	1.000	25 Oct 2021 01:34 pm
21) 102520.D	8081_8082A_608.M			
CO		6	1.000	25 Oct 2021 01:44 pm

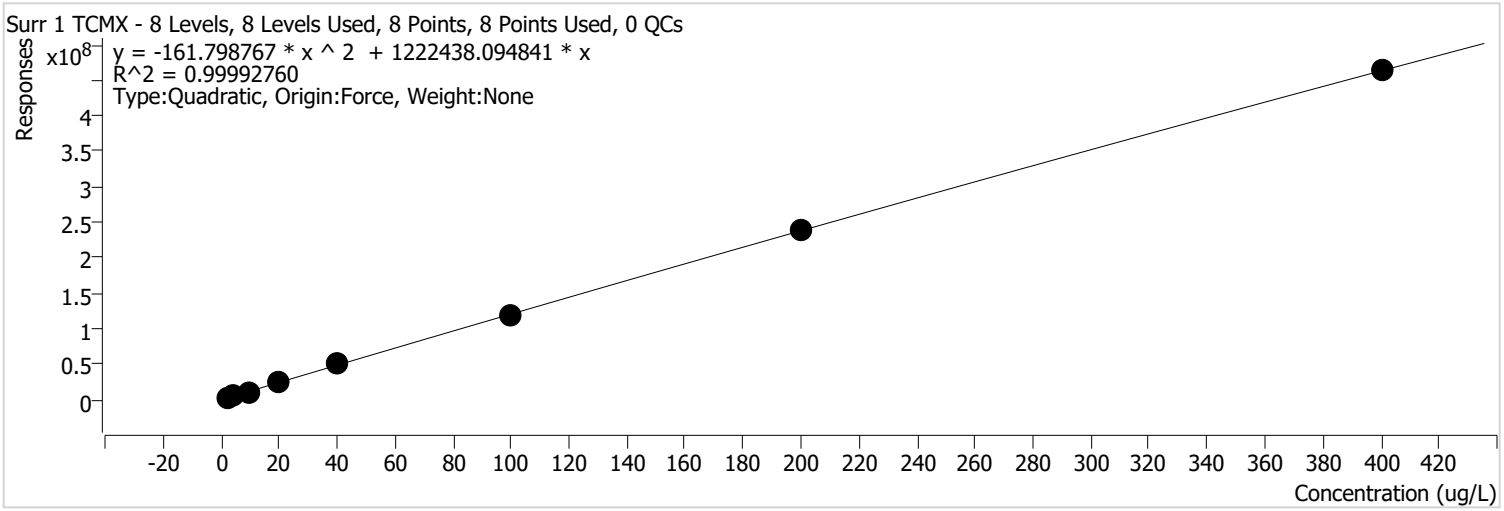
```
 22) 102521.D              8081_8082A_608.M
1660-CCV-34154A                            6    1.000     25 Oct 2021  01:54 pm
  ------------------------------------------------------------------------------
 23) 102522.D              8081_8082A_608.M
1254-CCV-34154A                            7    1.000     25 Oct 2021  02:04 pm
  ------------------------------------------------------------------------------
```

Calibration

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:22 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

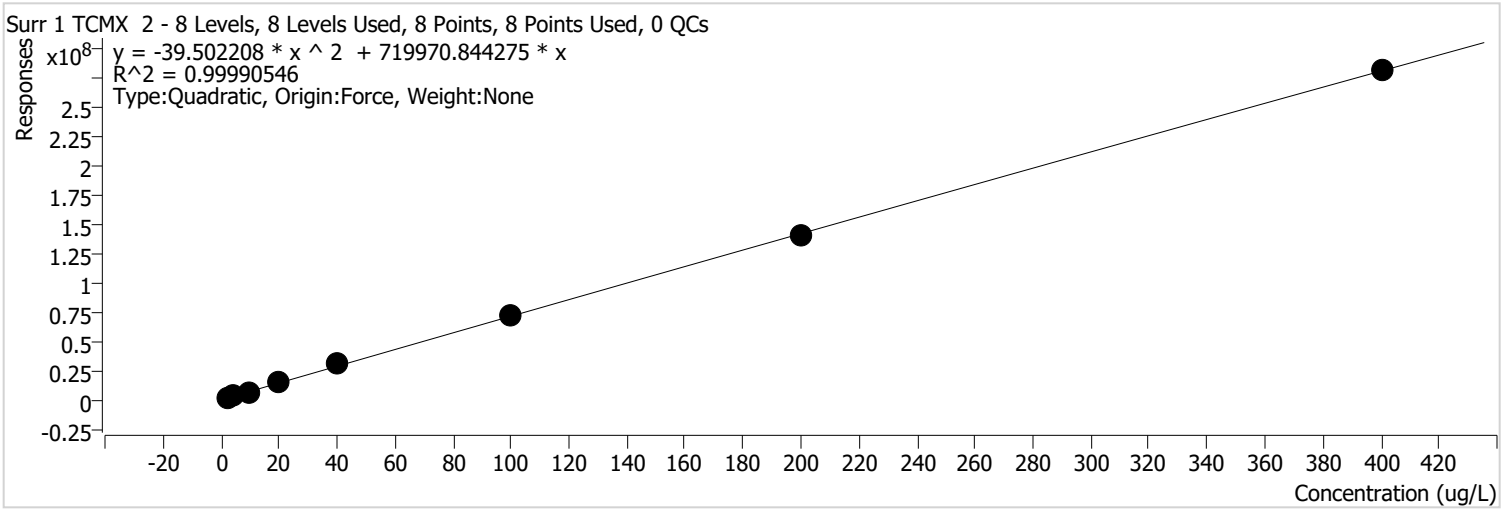
Surr 1 TCMX %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	2488666	2.0000	1244333.1986	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	5501171	4.0000	1375292.7028	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	11449948	10.0000	1144994.7636	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	26421926	20.0000	1321096.2764	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	50798942	40.0000	1269973.5488	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	118768018	100.0000	1187680.1829	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	238292847	200.0000	1191464.2361	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	463107967	400.0000	1157769.9172	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

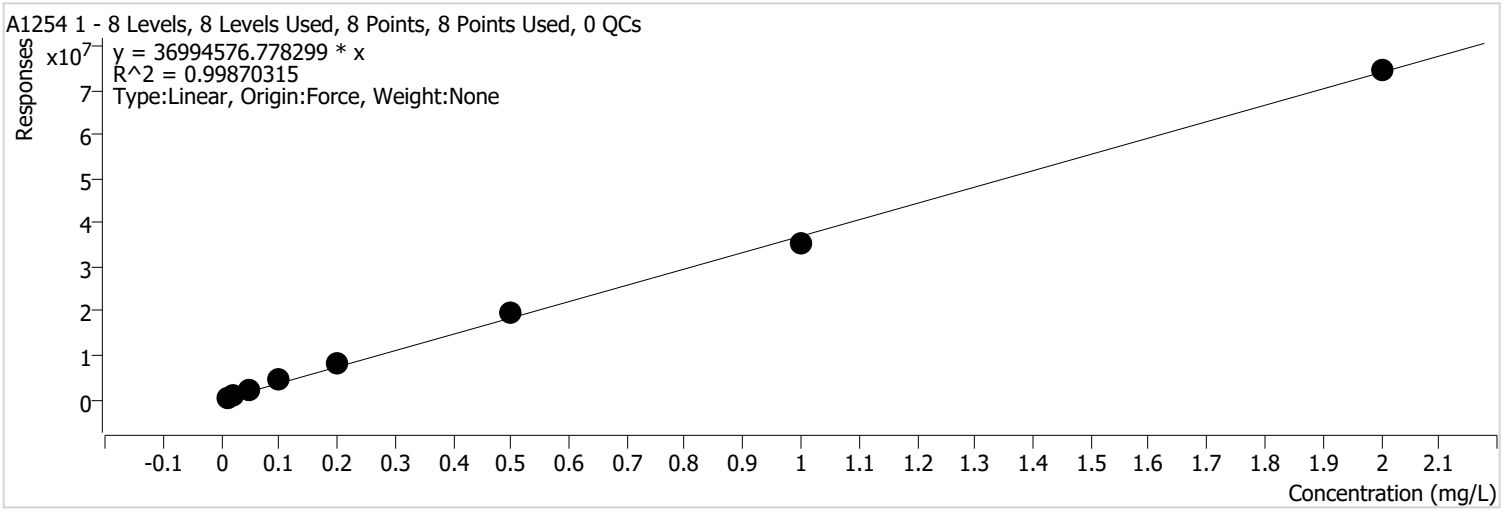
Surr 1 TCMX 2 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	1453156	2.0000	726578.2125	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	3470818	4.0000	867704.5477	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	6955331	10.0000	695533.1168	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	15983700	20.0000	799184.9873	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	30416920	40.0000	760422.9906	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	71319062	100.0000	713190.6157	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	141716800	200.0000	708584.0024	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	281839270	400.0000	704598.1740	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

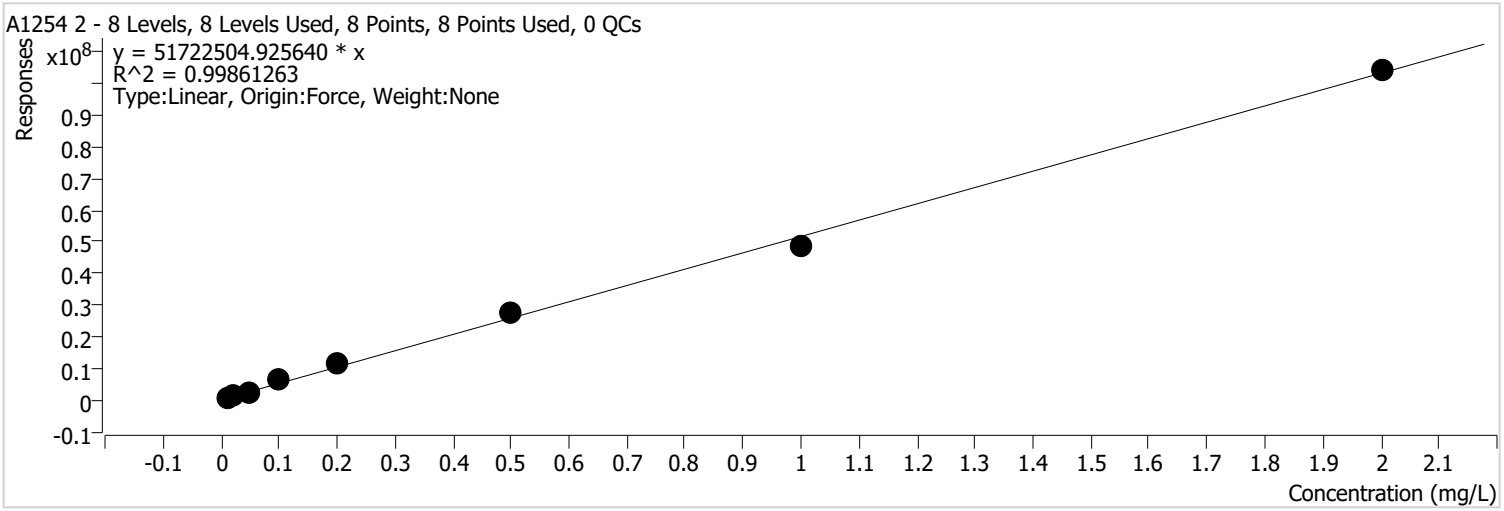
A1254 1 %RSE = 17.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	395855	0.0100	39585515.2992	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	944393	0.0200	47219666.5214	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2057399	0.0500	41147983.0597	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4641418	0.1000	46414177.6100	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	8328295	0.2000	41641475.2047	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	19677294	0.5000	39354588.7044	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	35378372	1.0000	35378372.4367	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	74354852	2.0000	37177425.9706	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1254 2 %RSE = 23.7

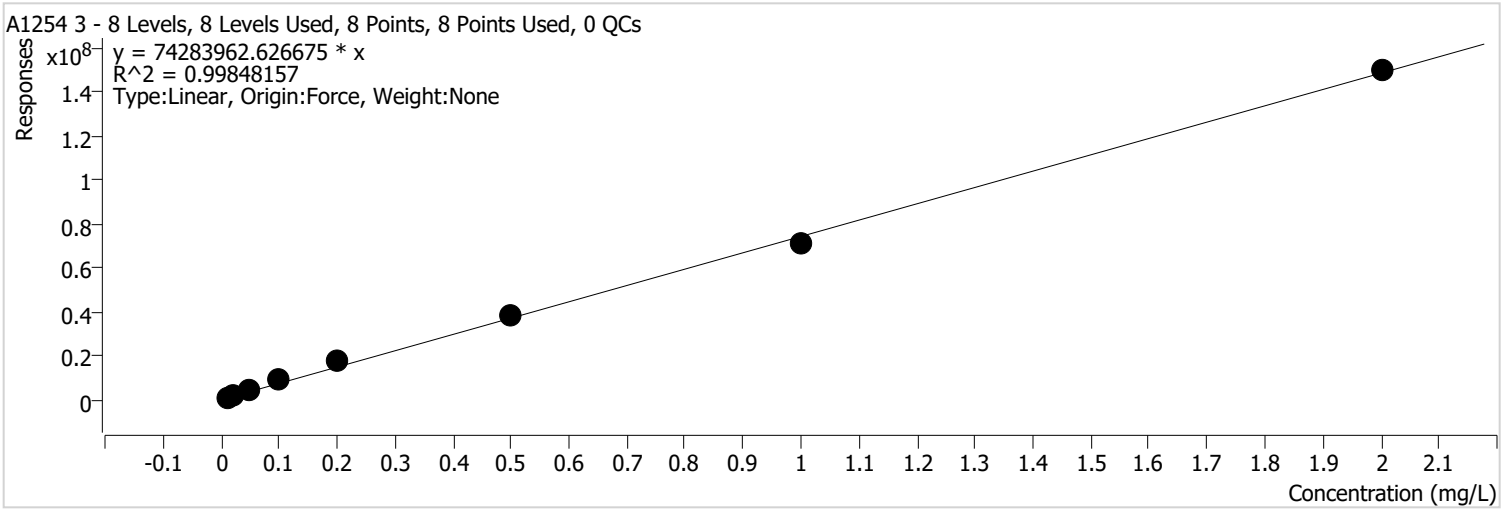


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	724183	0.0100	72418255.2468	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1367687	0.0200	68384349.9245	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2664818	0.0500	53296364.1113	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	6329142	0.1000	63291424.4759	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	11640085	0.2000	58200422.9118	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	27312124	0.5000	54624248.9388	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	49133781	1.0000	49133781.3867	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	104182916	2.0000	52091458.0906	

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

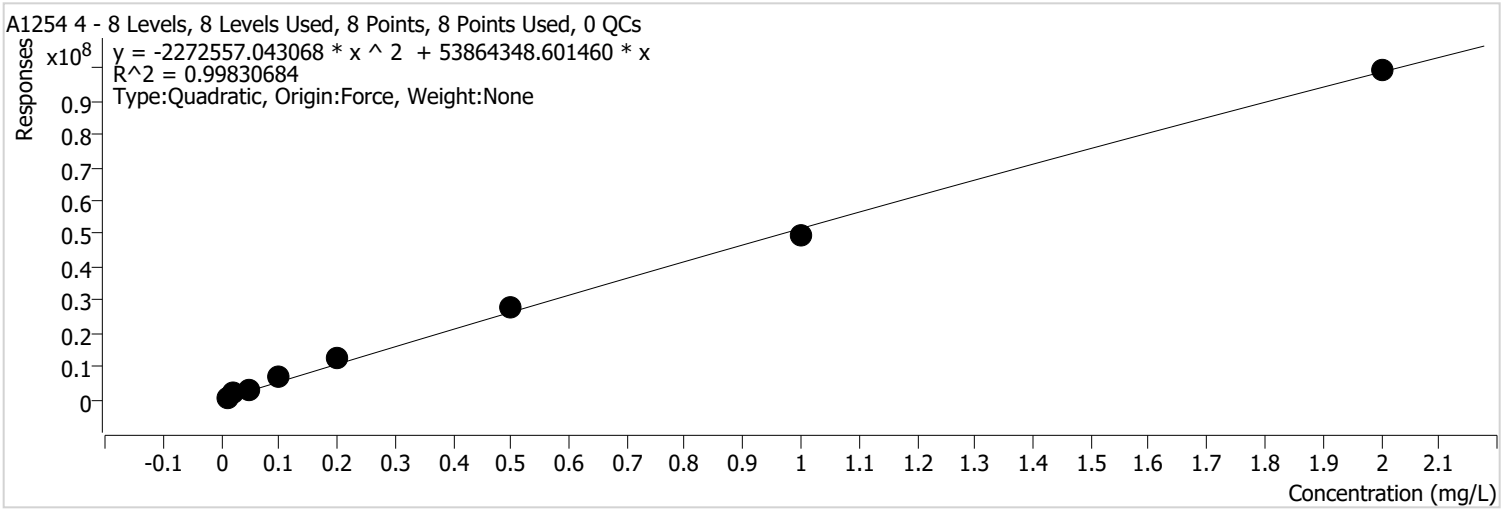
A1254 3 %RSE = 25.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	968244	0.0100	96824407.6425	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	2137905	0.0200	106895252.8077	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	4041302	0.0500	80826030.1402	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	9199778	0.1000	91997781.0889	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	17458680	0.2000	87293400.7929	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	38943523	0.5000	77887045.9859	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	70621068	1.0000	70621068.4727	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	149584402	2.0000	74792201.0951	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

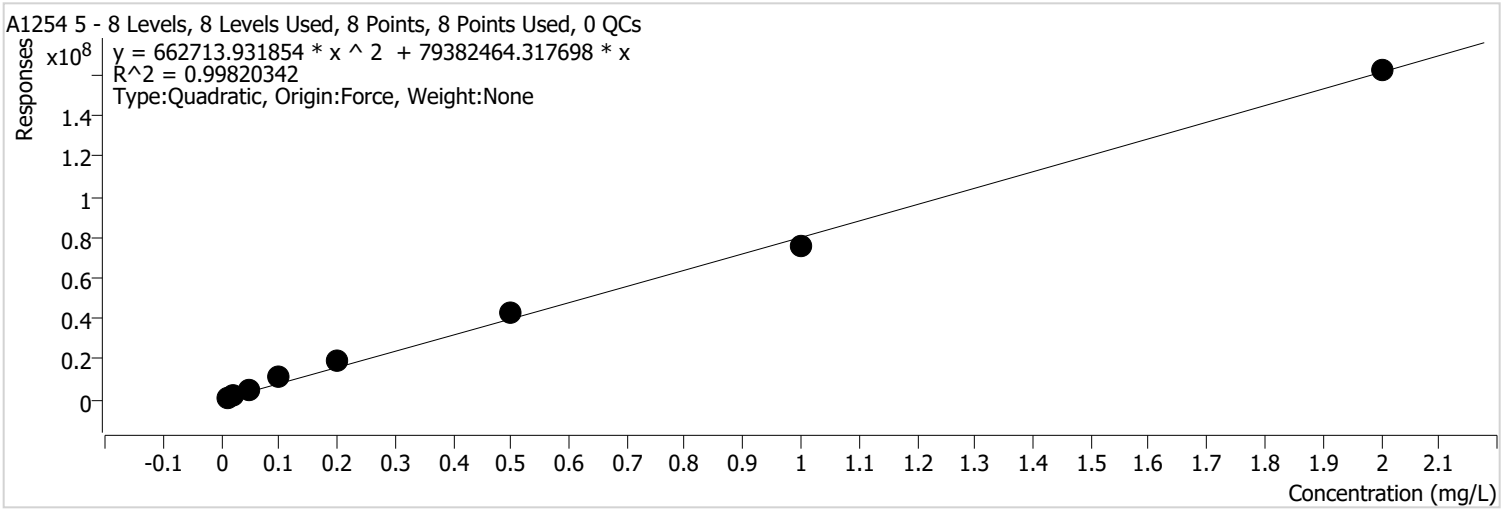
A1254 4 %RSE = 52.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	686096	0.0100	68609559.3839	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	2228251	0.0200	111412565.2676	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	3069701	0.0500	61394028.5651	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	6926129	0.1000	69261291.2286	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	12565315	0.2000	62826573.7891	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	27722398	0.5000	55444796.4972	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	49512340	1.0000	49512340.2188	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	99050337	2.0000	49525168.4548	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

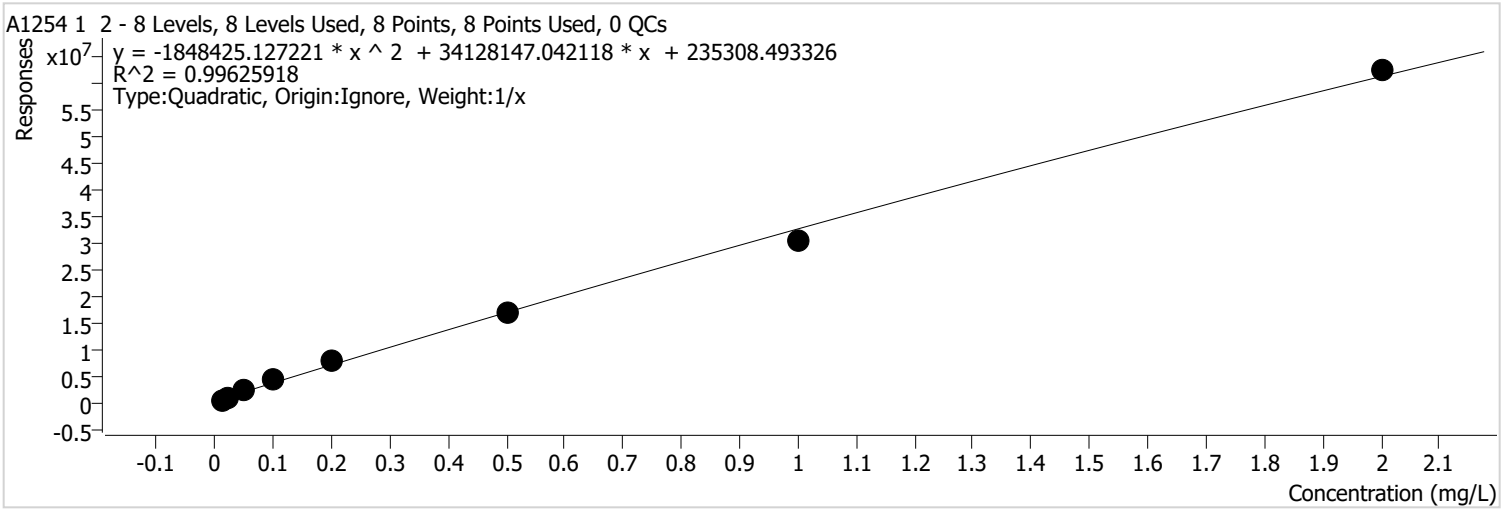
A1254 5 %RSE = 26.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	1020874	0.0100	10208741 9.6439	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1993529	0.0200	99676448 .6731	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	4751353	0.0500	95027052 .3297	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	10753746	0.1000	10753746 2.2424	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	18860824	0.2000	94304119 .8496	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	42553518	0.5000	85107036 .1156	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	76327536	1.0000	76327535 .6302	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	162139523	2.0000	81069761 .2765	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

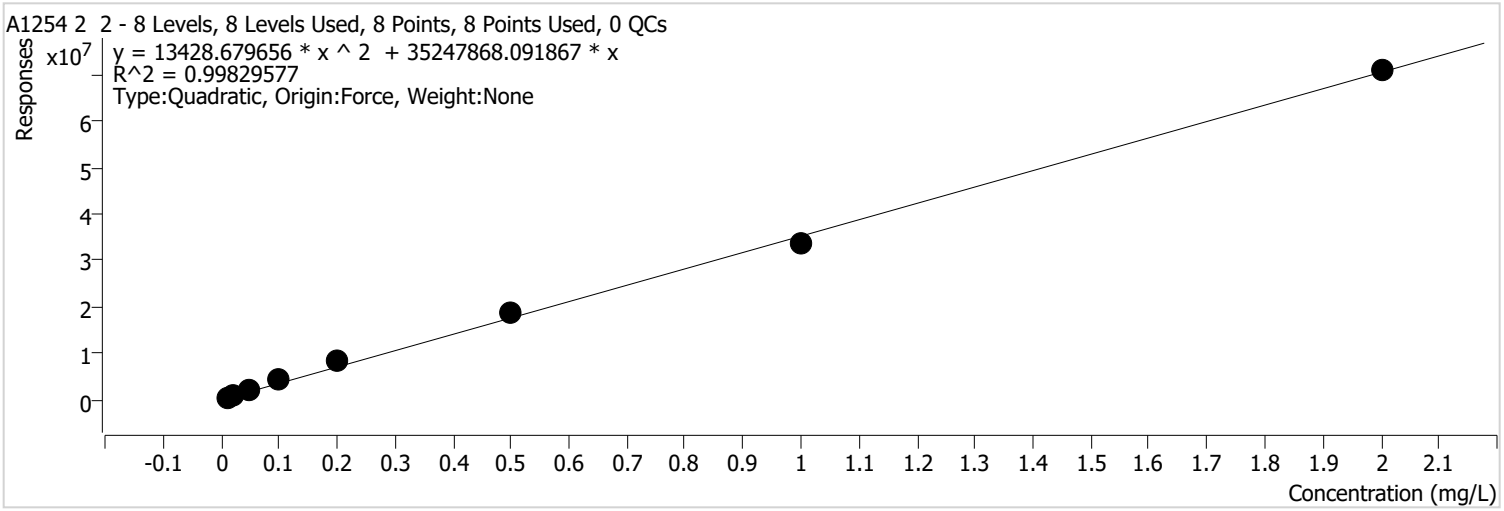
A1254 1 2 %RSE = 19.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	451635	0.0100	45163453.5256	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	980612	0.0200	49030615.3782	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2054540	0.0500	41090799.6005	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4167153	0.1000	41671526.9943	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	7671987	0.2000	38359936.8127	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	16802254	0.5000	33604508.3008	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	30206895	1.0000	30206895.4610	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	62162404	2.0000	31081201.7621	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

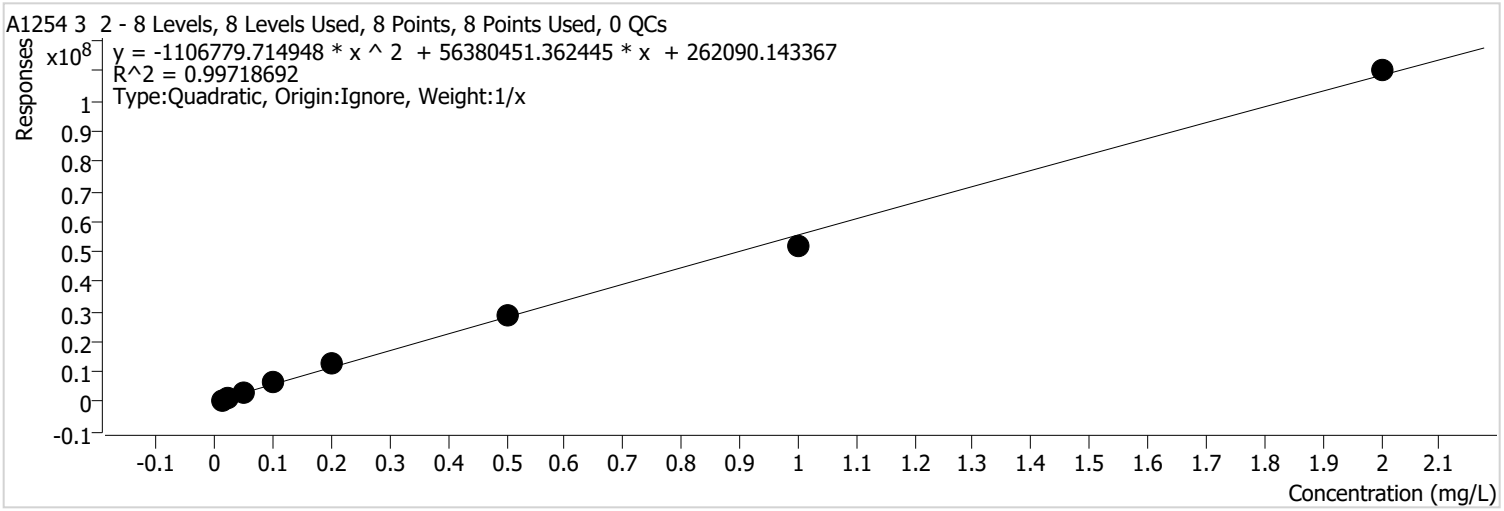
A1254 2 2 %RSE = 32.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	484954	0.0100	48495359.5819	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1059158	0.0200	52957882.2088	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	1985173	0.0500	39703465.3877	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4492117	0.1000	44921173.2075	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	8470833	0.2000	42354166.5894	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	18772932	0.5000	37545863.5221	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	33668459	1.0000	33668458.8550	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	70859255	2.0000	35429627.3418	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

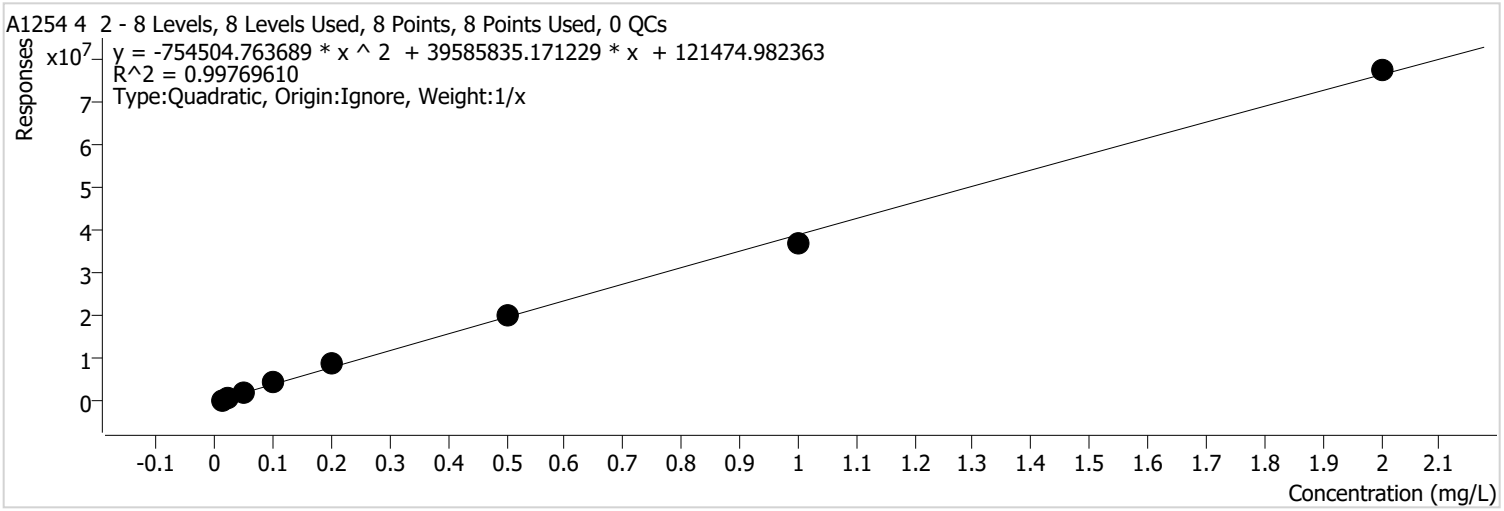
A1254 3 2 %RSE = 13.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	723400	0.0100	72339996.2119	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1487114	0.0200	74355714.8858	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2782341	0.0500	55646812.4860	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	6610456	0.1000	66104564.7499	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	12703123	0.2000	63515616.9206	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	28576557	0.5000	57153114.1770	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	51974329	1.0000	51974328.6251	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	110126299	2.0000	55063149.5740	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

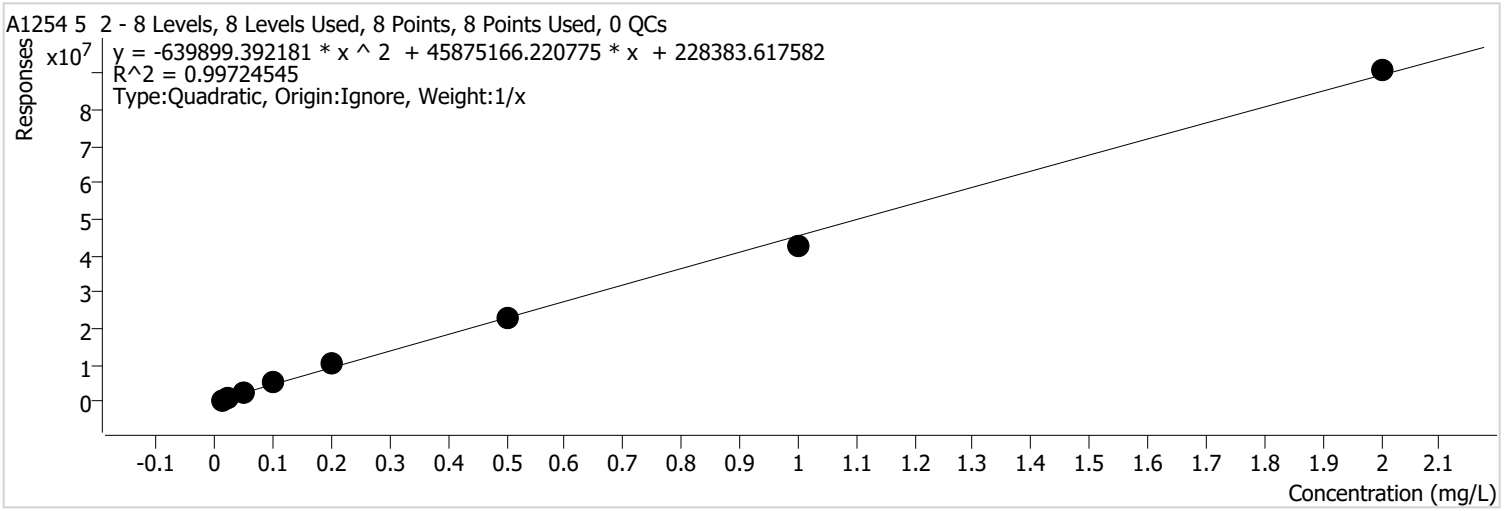
A1254 4 2 %RSE = 12.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	456167	0.0100	45616743.7009	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	992137	0.0200	49606842.0830	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	1842588	0.0500	36851751.2082	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4575383	0.1000	45753834.9499	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	8666046	0.2000	43330229.2589	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	20065006	0.5000	40130011.3551	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	36769274	1.0000	36769274.3145	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	77197100	2.0000	38598550.1918	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

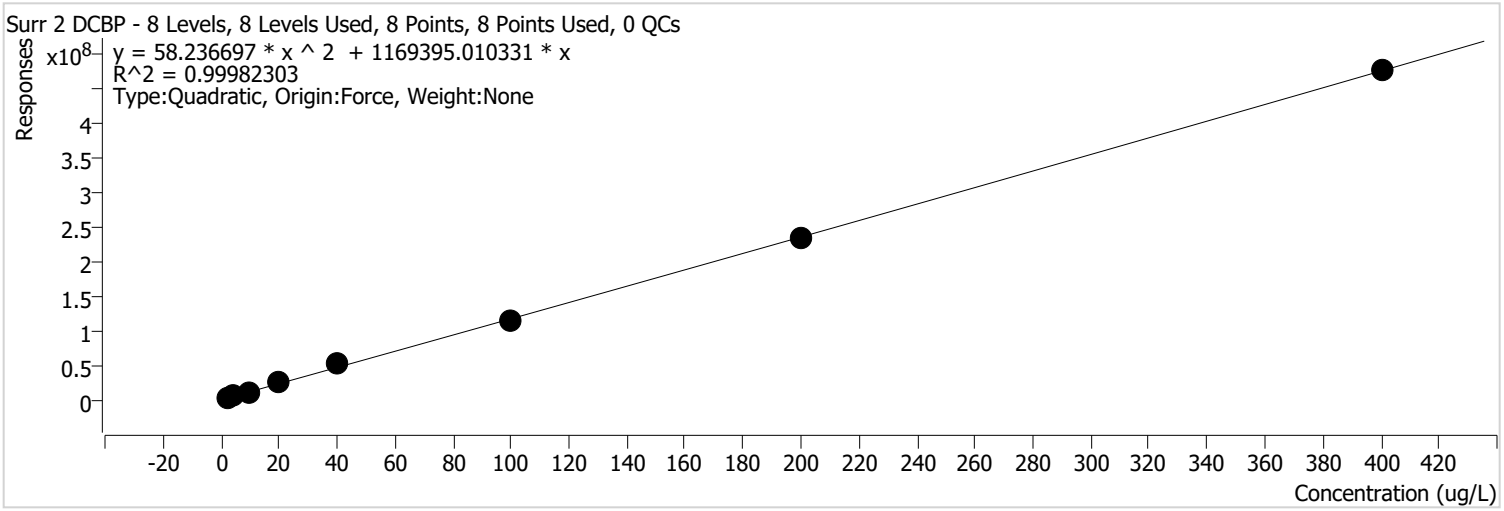
A1254 5 2 %RSE = 14.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	587780	0.0100	58778014.6034	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1251861	0.0200	62593052.6812	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2273246	0.0500	45464920.7455	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	5477425	0.1000	54774254.0032	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	10320059	0.2000	51600296.6787	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	23147064	0.5000	46294128.9996	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	42756438	1.0000	42756437.7267	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	90615453	2.0000	45307726.6005	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

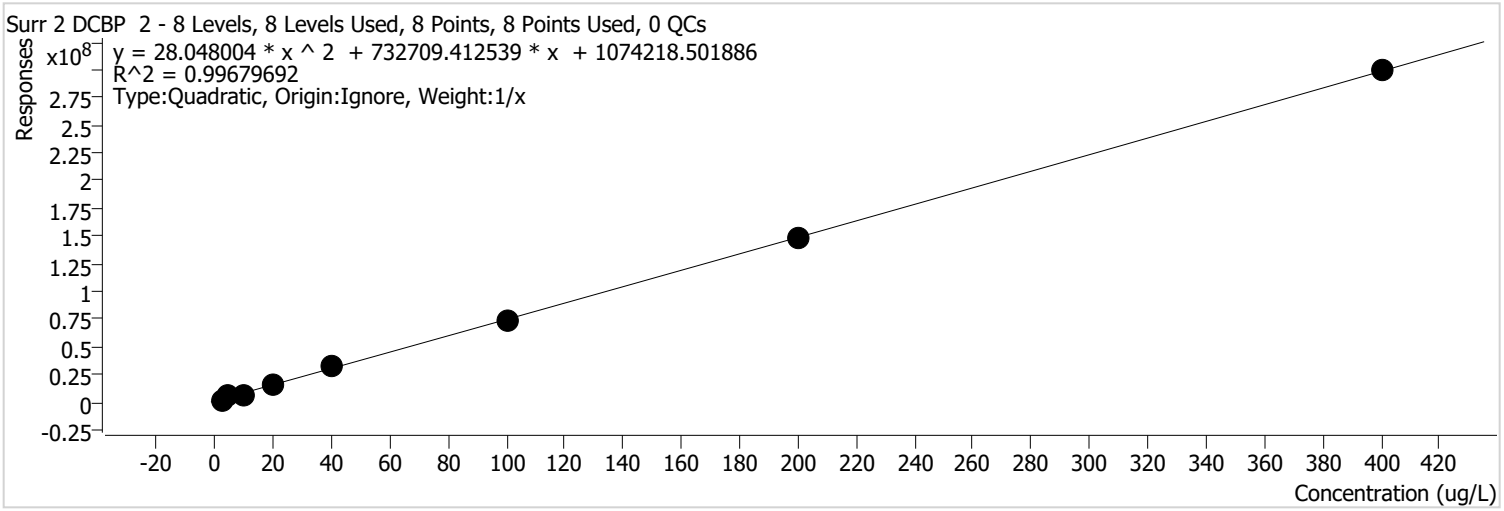
Surr 2 DCBP %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	3183383	2.0000	1591691.4434	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	6037207	4.0000	1509301.7922	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	10717279	10.0000	1071727.9287	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	26213780	20.0000	1310688.9819	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	51148440	40.0000	1278710.9979	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	115483968	100.0000	1154839.6777	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	235688984	200.0000	1178444.9213	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	477283772	400.0000	1193209.4297	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 2 DCBP 2 %RSE =

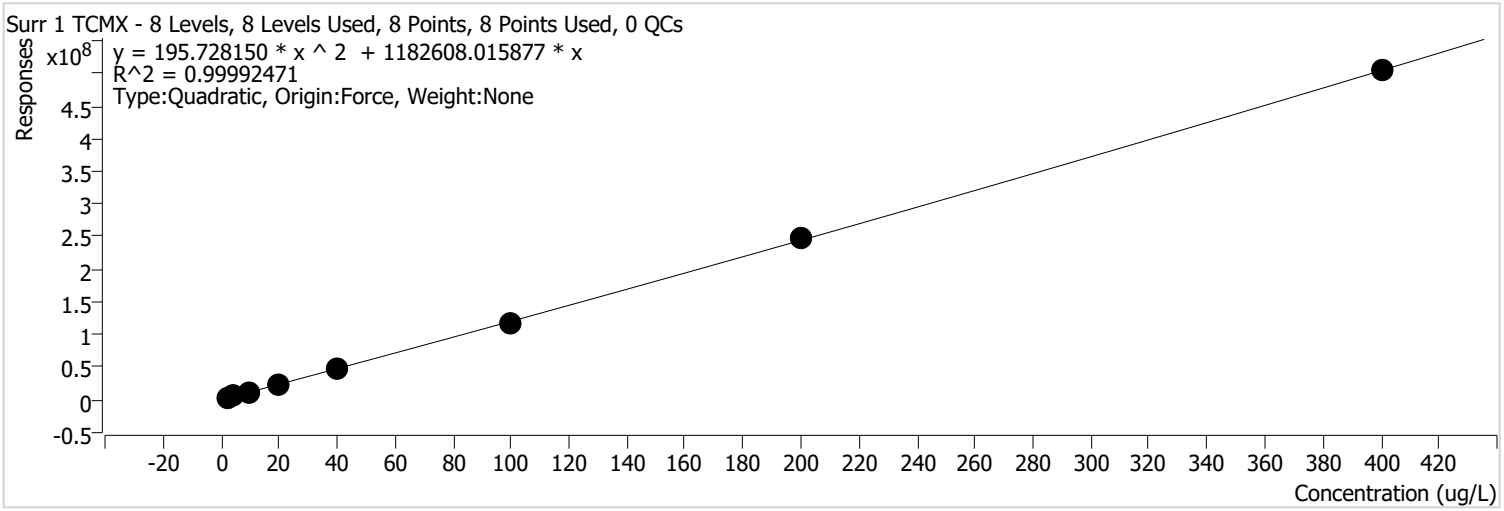


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	2044392	2.0000	1022196.0435	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	5552223	4.0000	1388055.6740	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	6444990	10.0000	644498.9905	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	16188871	20.0000	809443.5344	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	32492648	40.0000	812316.1880	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	73000396	100.0000	730003.9561	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	148348565	200.0000	741742.8246	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	299053711	400.0000	747634.2781	

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:30 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 1 TCMX %RSE = 4.5

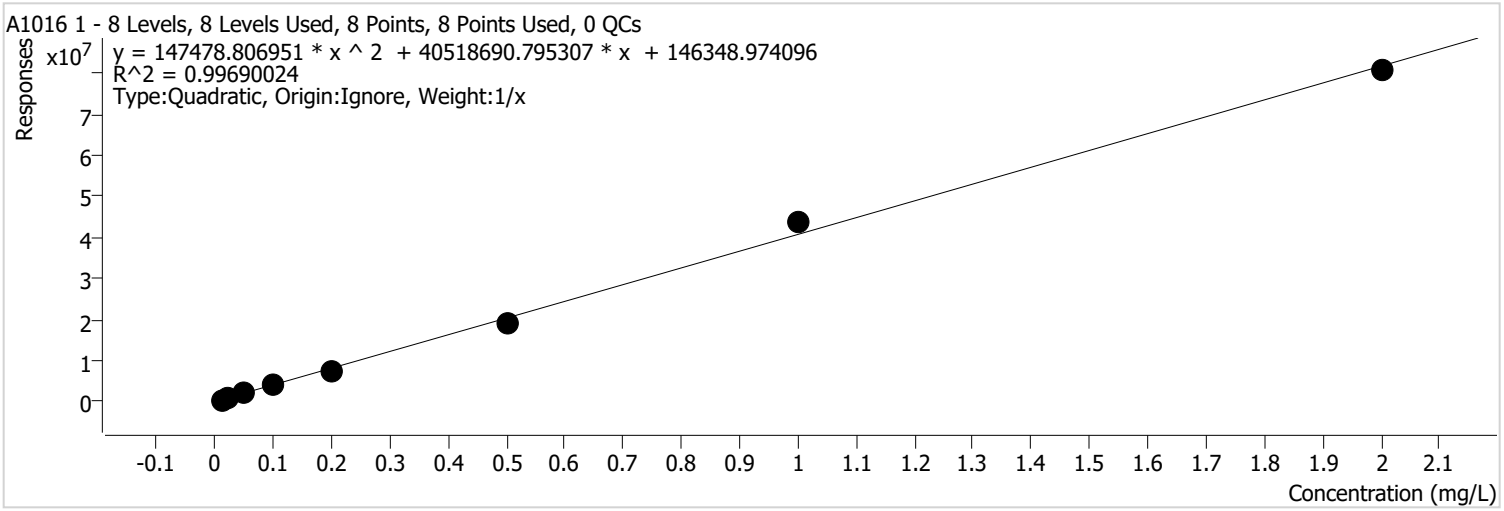


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	2474438	2.0000	1237219.1706	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	4987633	4.0000	1246908.2243	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	12384484	10.0000	1238448.4010	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	24518060	20.0000	1225902.9840	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	45851613	40.0000	1146290.3301	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	117657330	100.0000	1176573.3042	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	246692607	200.0000	1233463.0357	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	503949613	400.0000	1259874.0320	

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

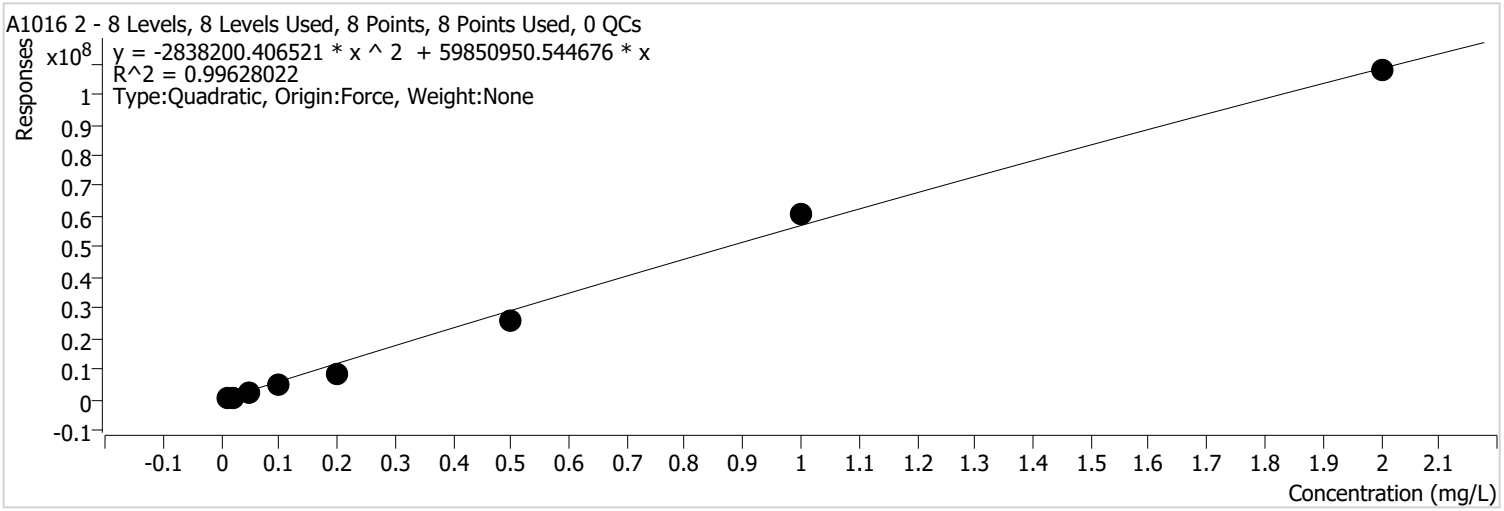
A1016 1 %RSE = 7.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	540249	0.0100	54024874.9832	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1015891	0.0200	50794541.9577	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2256885	0.0500	45137701.9491	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	4236470	0.1000	42364702.3382	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	7565183	0.2000	37825913.9081	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	18919821	0.5000	37839642.8154	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	44011403	1.0000	44011402.5153	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	80619491	2.0000	40309745.2835	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

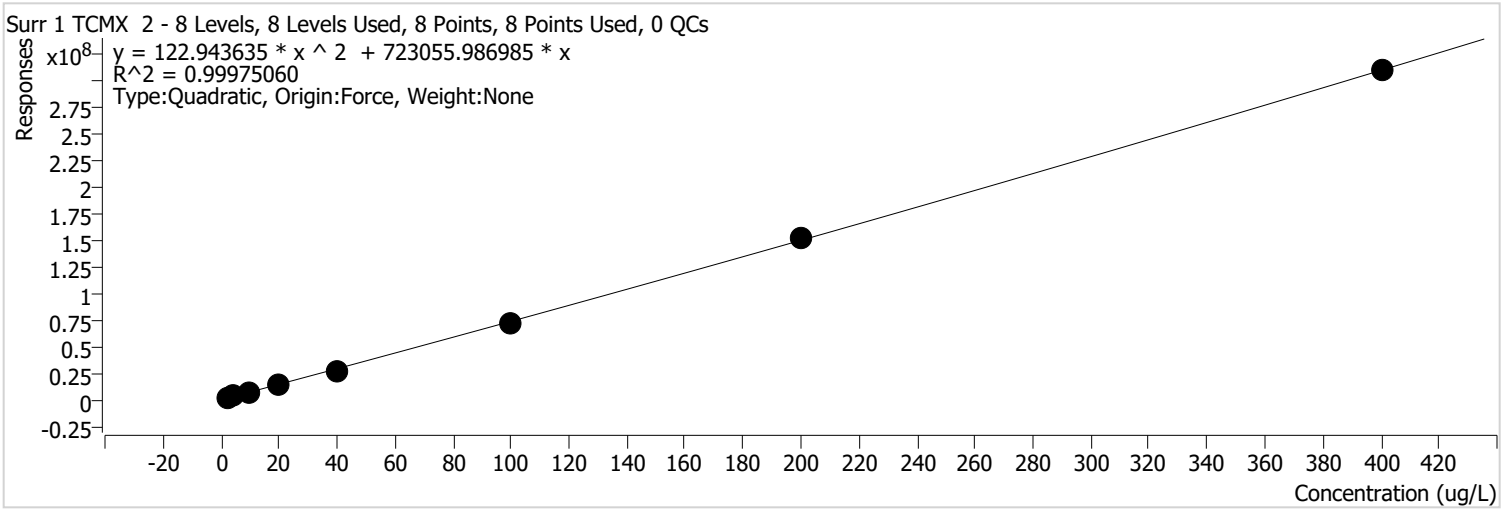
A1016 2 %RSE = 18.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	627978	0.0100	62797773.7890	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1009212	0.0200	50460581.6849	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2439382	0.0500	48787633.7407	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5094470	0.1000	50944700.0329	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	8813052	0.2000	44065261.7449	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	25705784	0.5000	51411568.8418	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	60964923	1.0000	60964923.3944	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	107613391	2.0000	53806695.4342	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

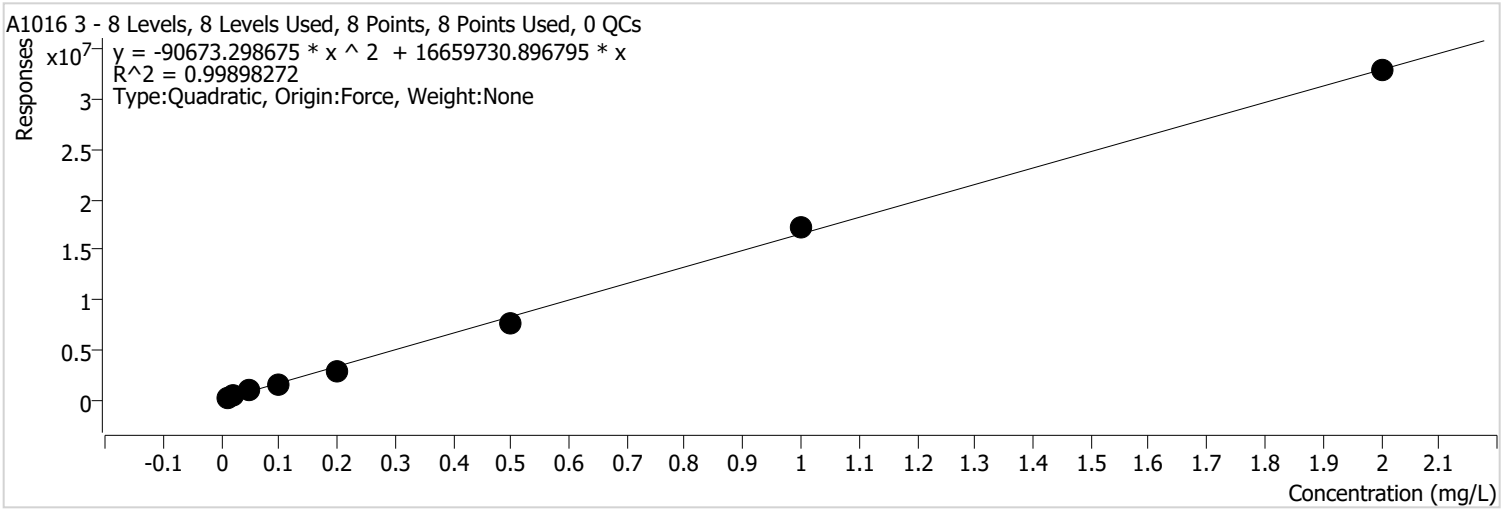
Surr 1 TCMX 2 %RSE = 4.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1503774	2.0000	751887.1802	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	3067405	4.0000	766851.1424	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	7327299	10.0000	732729.8999	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	14477484	20.0000	723874.1895	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	27169955	40.0000	679248.8664	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	70673943	100.0000	706739.4275	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	152366404	200.0000	761832.0216	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	308382330	400.0000	770955.8244	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

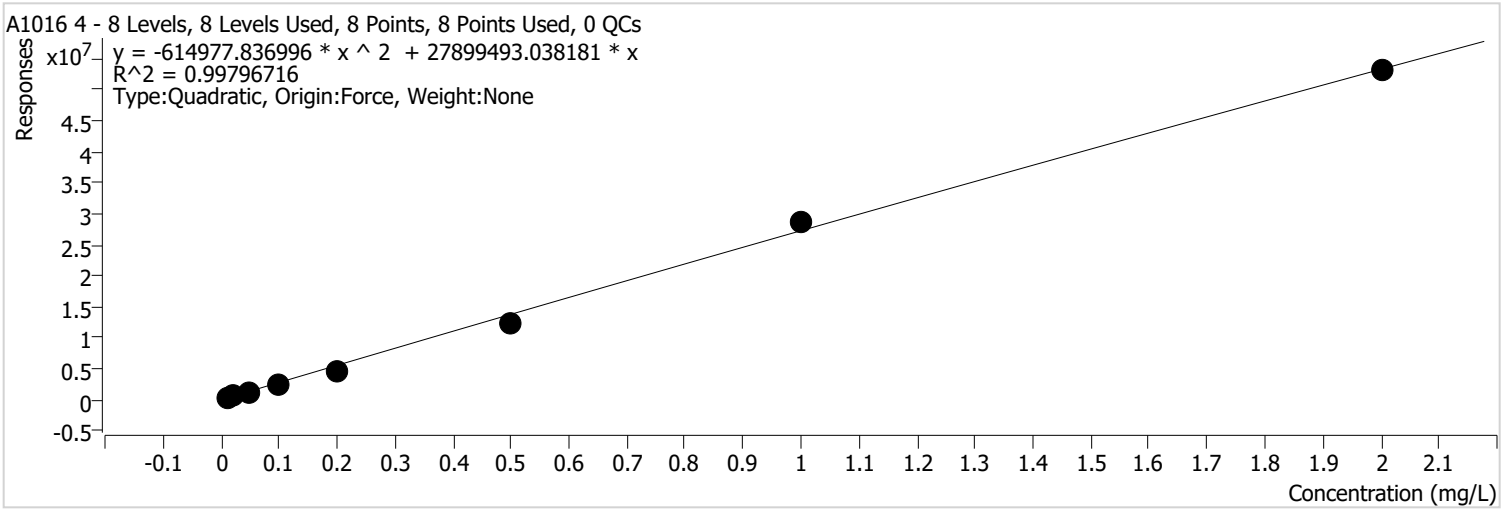
A1016 3 %RSE = 9.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	150518	0.0100	15051764.4428	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	347023	0.0200	17351127.6415	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	891972	0.0500	17839430.6314	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1592932	0.1000	15929318.1107	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	2808702	0.2000	14043512.2787	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	7760432	0.5000	15520863.4808	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	17173897	1.0000	17173896.8888	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	32845070	2.0000	16422535.0625	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

A1016 4 %RSE = 9.8

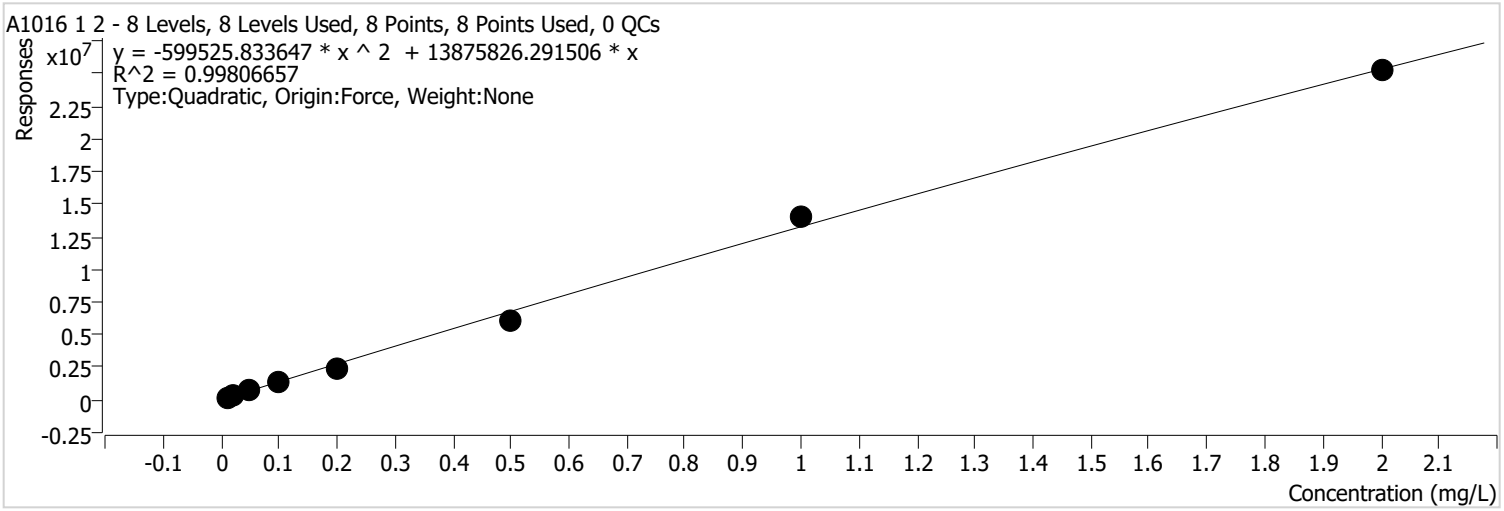


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	264805	0.0100	26480526.0256	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	561269	0.0200	28063472.0185	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1342581	0.0500	26851617.8650	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2651472	0.1000	26514719.9651	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	4621923	0.2000	23109614.1009	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	12370922	0.5000	24741844.6725	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	28719583	1.0000	28719582.8557	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	53079072	2.0000	26539535.8344	

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

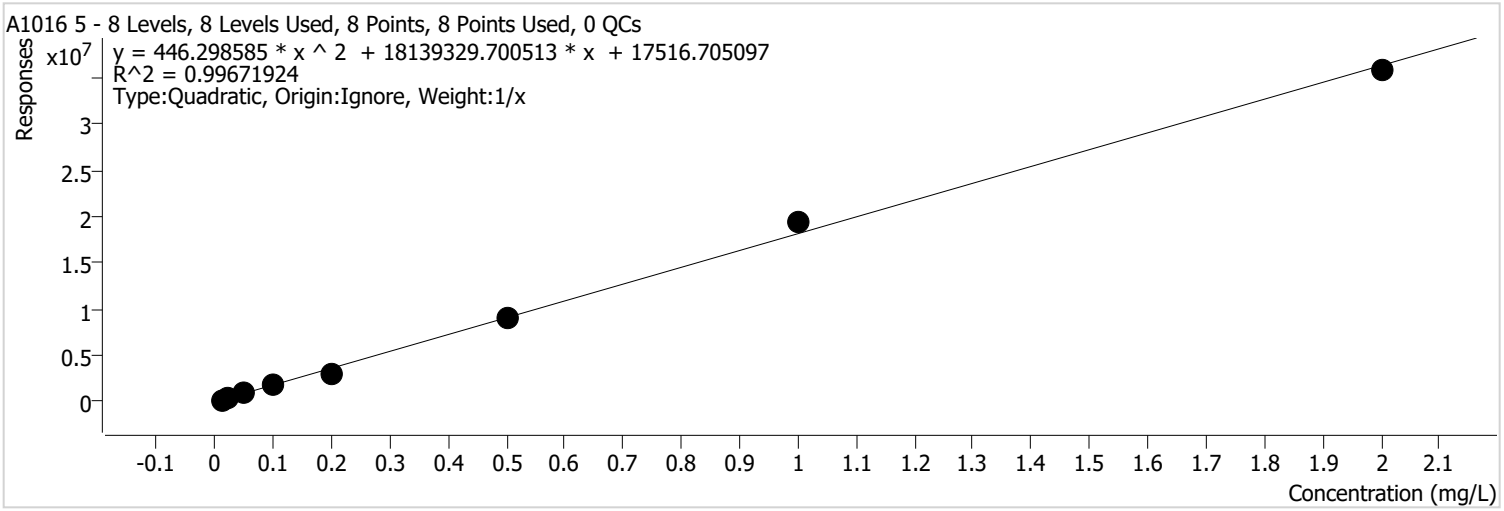
A1016 1 2 %RSE = 12.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	118129	0.0100	11812870.0000	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	244314	0.0200	12215704.7390	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	698533	0.0500	13970657.9333	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1290690	0.1000	12906899.7625	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	2386611	0.2000	11933056.9827	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	6093266	0.5000	12186532.2497	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	13946998	1.0000	13946997.5693	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	25233171	2.0000	12616585.3501	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

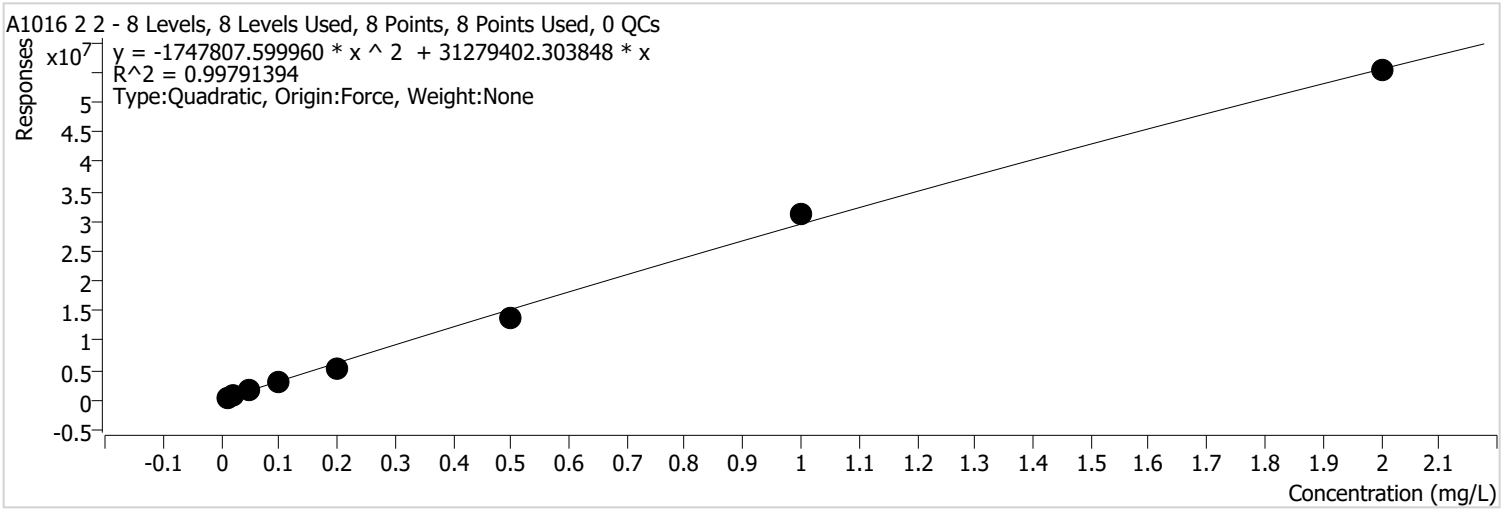
A1016 5 %RSE = 11.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	228423	0.0100	22842325.0434	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	385241	0.0200	19262071.5594	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	918195	0.0500	18363893.8530	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1732271	0.1000	17322706.8867	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	3056648	0.2000	15283237.9293	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	9003701	0.5000	18007401.7278	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	19474641	1.0000	19474641.2200	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	35723980	2.0000	17861989.9337	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

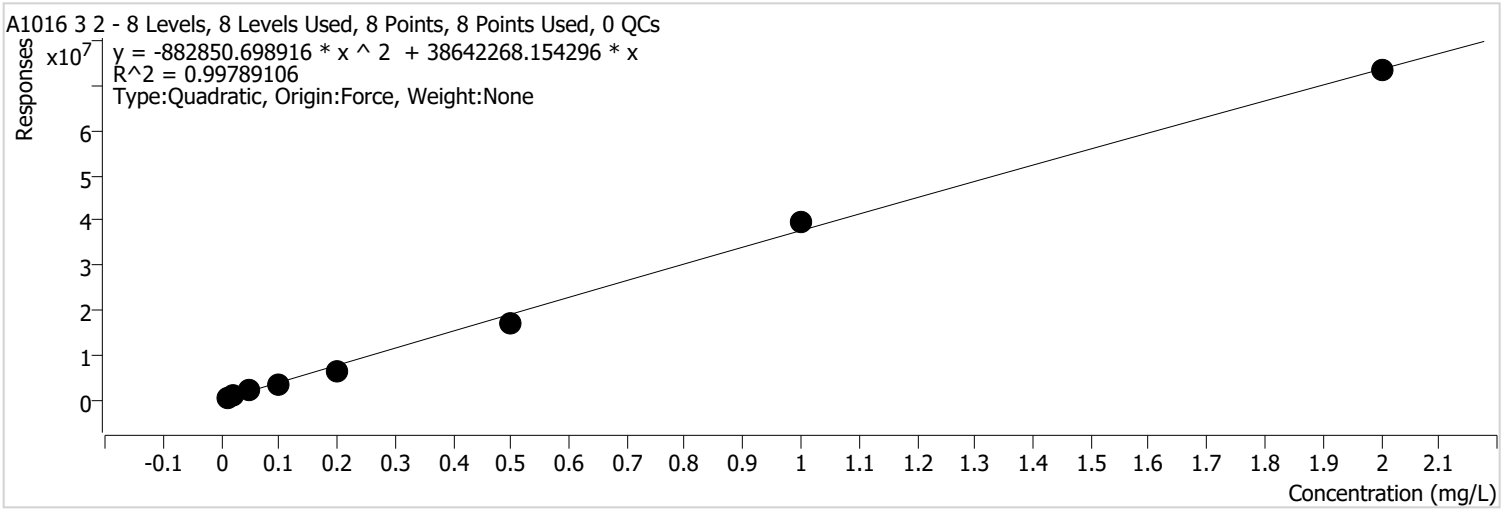
A1016 2 2 %RSE = 14.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	386077	0.0100	38607675.4343	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	627581	0.0200	31379063.7233	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1483941	0.0500	29678813.0000	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2919339	0.1000	29193390.2500	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	5269785	0.2000	26348922.8750	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	13662960	0.5000	27325920.0000	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	31058385	1.0000	31058384.5500	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	55291798	2.0000	27645899.2000	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

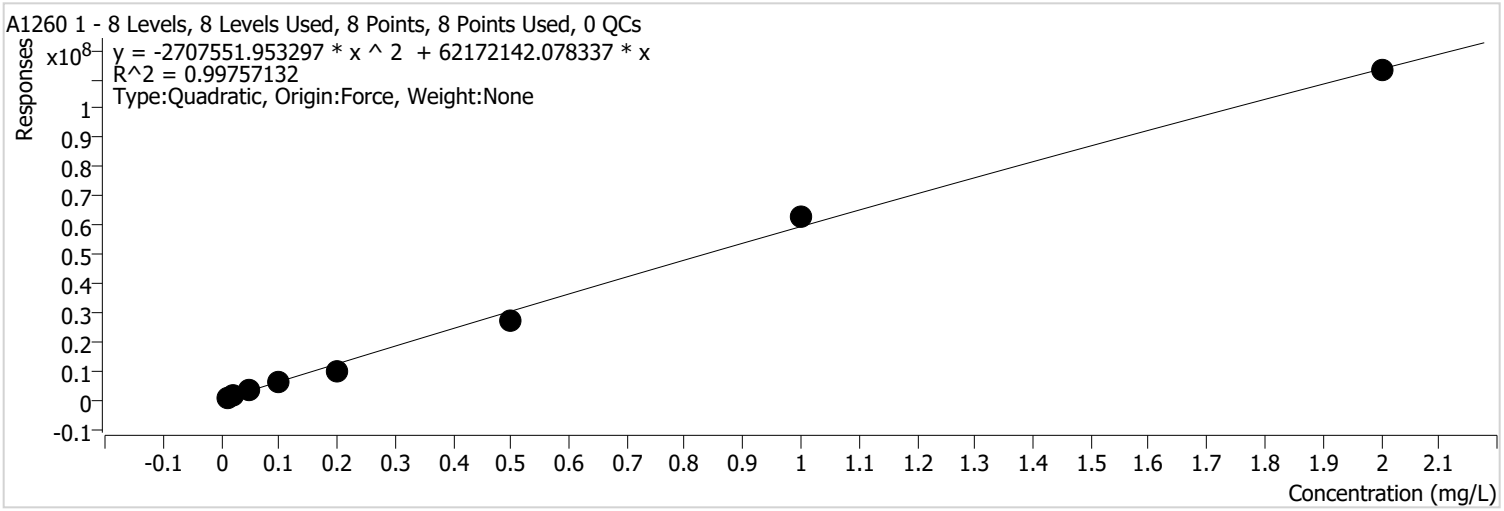
A1016 3 2 %RSE = 18.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	513215	0.0100	51321501.3373	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	851252	0.0200	42562596.9827	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1903978	0.0500	38079559.5011	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	3656426	0.1000	36564258.7508	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	6436607	0.2000	32183034.3425	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	17061022	0.5000	34122044.0001	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	39776008	1.0000	39776007.7546	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	73389516	2.0000	36694758.1582	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

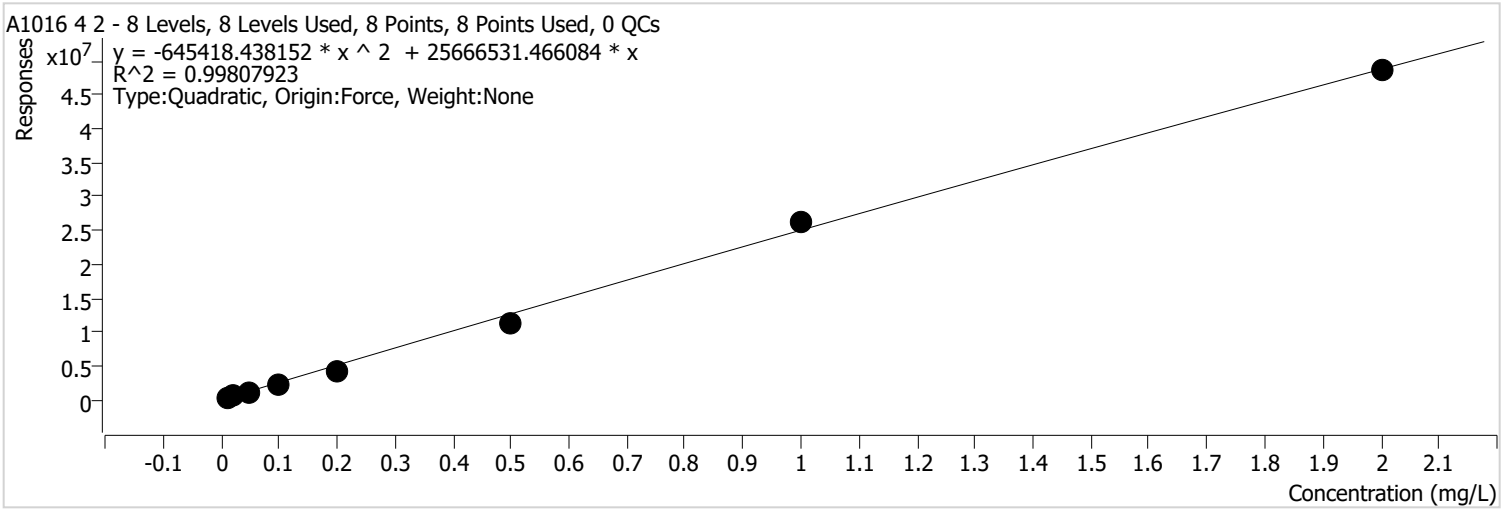
A1260 1 %RSE = 10.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	616855	0.0100	61685464.6166	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1228008	0.0200	61400419.3559	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2966130	0.0500	59322605.6706	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5874542	0.1000	58745416.6504	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	9863955	0.2000	49319772.7881	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	27258601	0.5000	54517202.8499	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	62787763	1.0000	62787762.9214	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	112905692	2.0000	56452845.7869	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

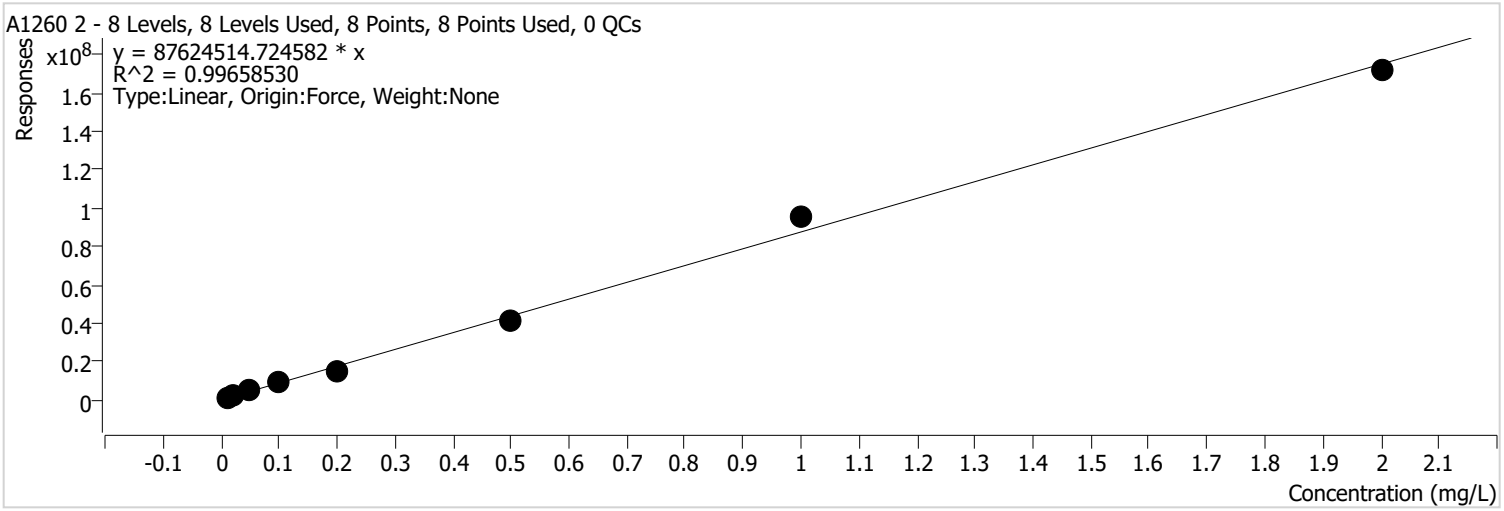
A1016 4 2 %RSE = 12.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	227079	0.0100	22707914.1335	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	461159	0.0200	23057966.0740	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1204375	0.0500	24087492.4589	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2346306	0.1000	23463058.8477	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	4314034	0.2000	21570168.5271	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	11406542	0.5000	22813084.7129	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	26306607	1.0000	26306607.1293	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	48517625	2.0000	24258812.3796	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

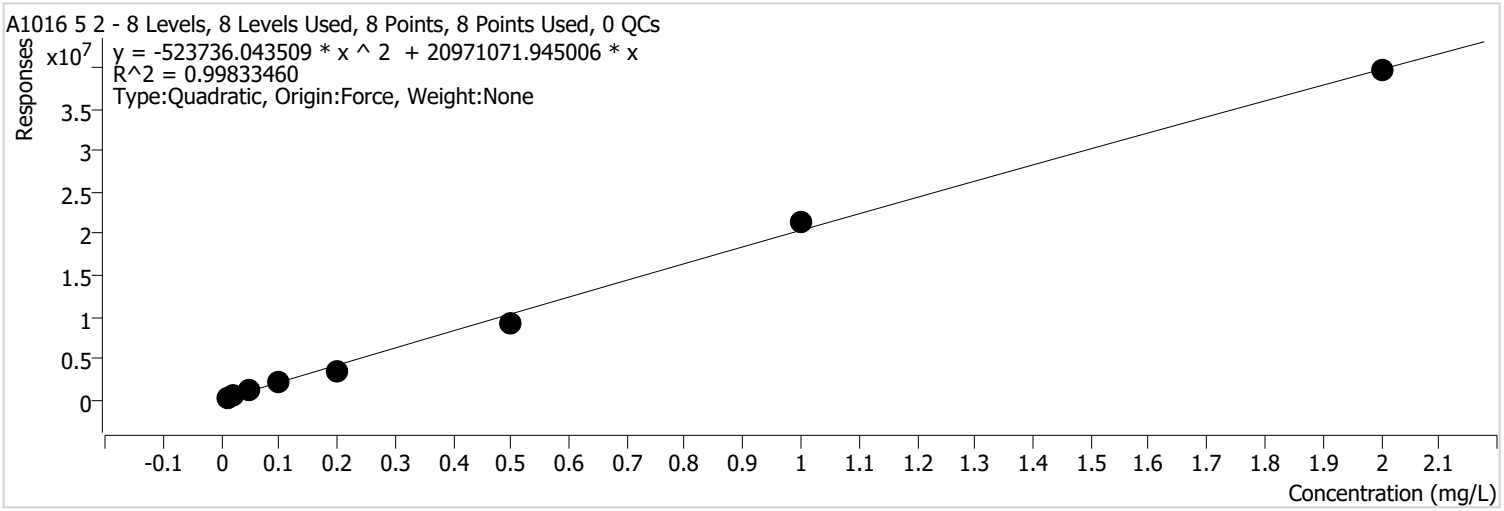
A1260 2 %RSE = 8.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	965094	0.0100	96509437.2949	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1927415	0.0200	96370772.9265	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	4578738	0.0500	91574756.2738	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	8884910	0.1000	88849103.4044	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	15527304	0.2000	77636521.9623	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	41930524	0.5000	83861047.8932	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	95966340	1.0000	95966339.7632	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	171735056	2.0000	85867527.9480	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

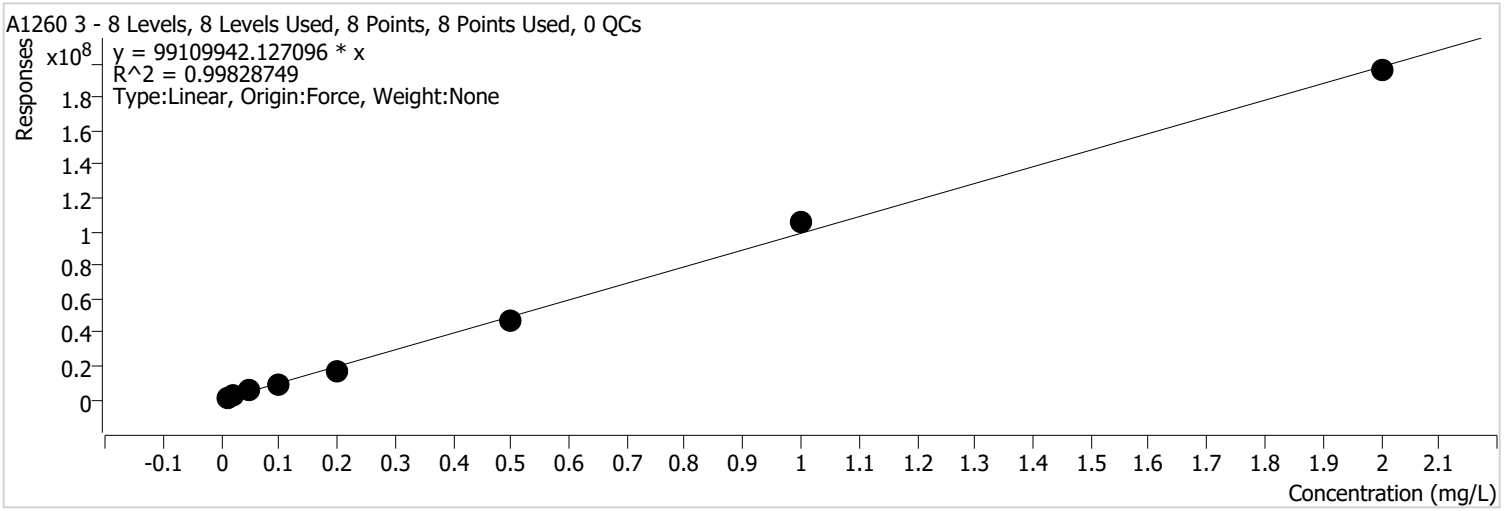
A1016 5 2 %RSE = 8.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	213435	0.0100	21343518.4290	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	418158	0.0200	20907922.1111	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1079679	0.0500	21593582.7422	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2073012	0.1000	20730121.4273	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	3579738	0.2000	17898689.6690	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	9357938	0.5000	18715876.9715	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	21408890	1.0000	21408890.3534	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	39675065	2.0000	19837532.3619	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

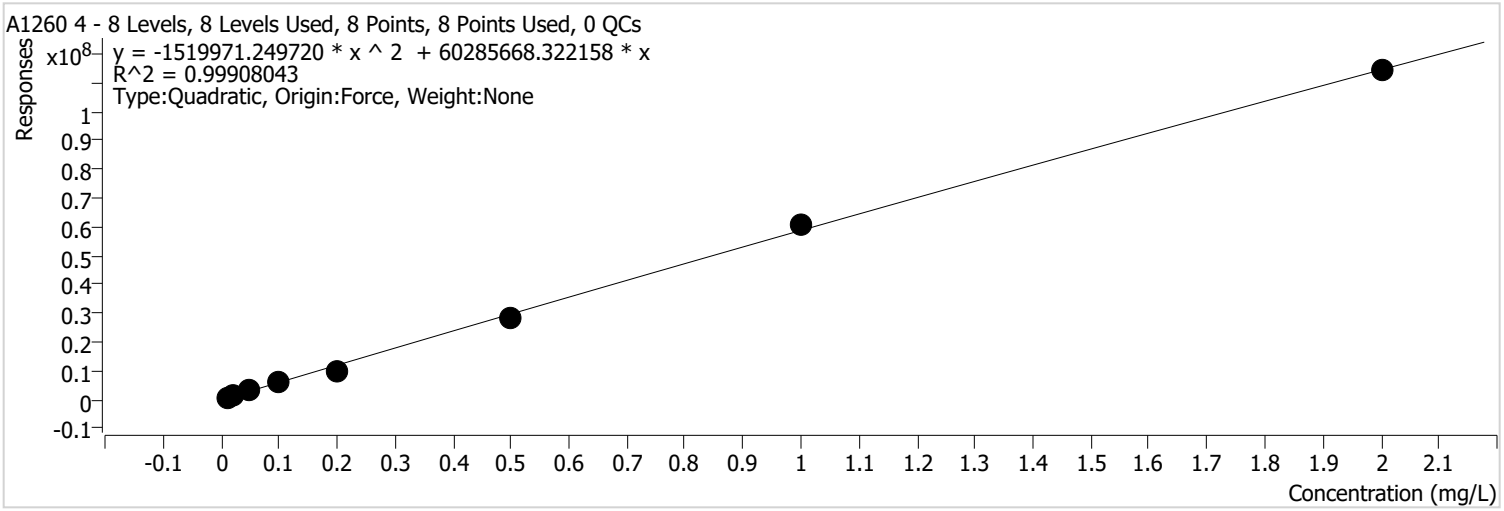
A1260 3 %RSE = 6.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1006370	0.0100	10063696 4.8941	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	2025009	0.0200	10125044 5.0070	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	5089679	0.0500	10179358 5.3517	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	9682808	0.1000	96828080 .5000	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	17319134	0.2000	86595671 .7116	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	47340623	0.5000	94681245 .5228	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	105501165	1.0000	10550116 5.3579	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	195835695	2.0000	97917847 .7125	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

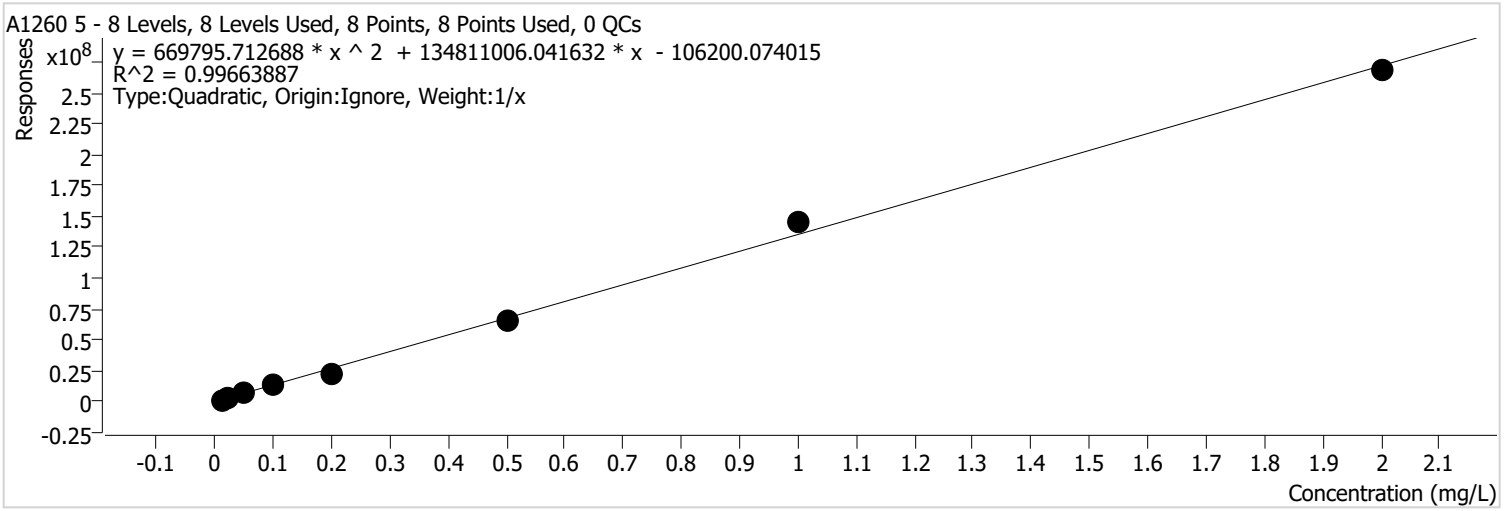
A1260 4 %RSE = 8.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	558458	0.0100	55845836.2392	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1195363	0.0200	59768143.7500	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2982536	0.0500	59650712.0000	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5929847	0.1000	59298469.0000	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	10045708	0.2000	50228539.9302	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	28118115	0.5000	56236229.7100	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	60721328	1.0000	60721327.6667	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	114125074	2.0000	57062537.0097	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

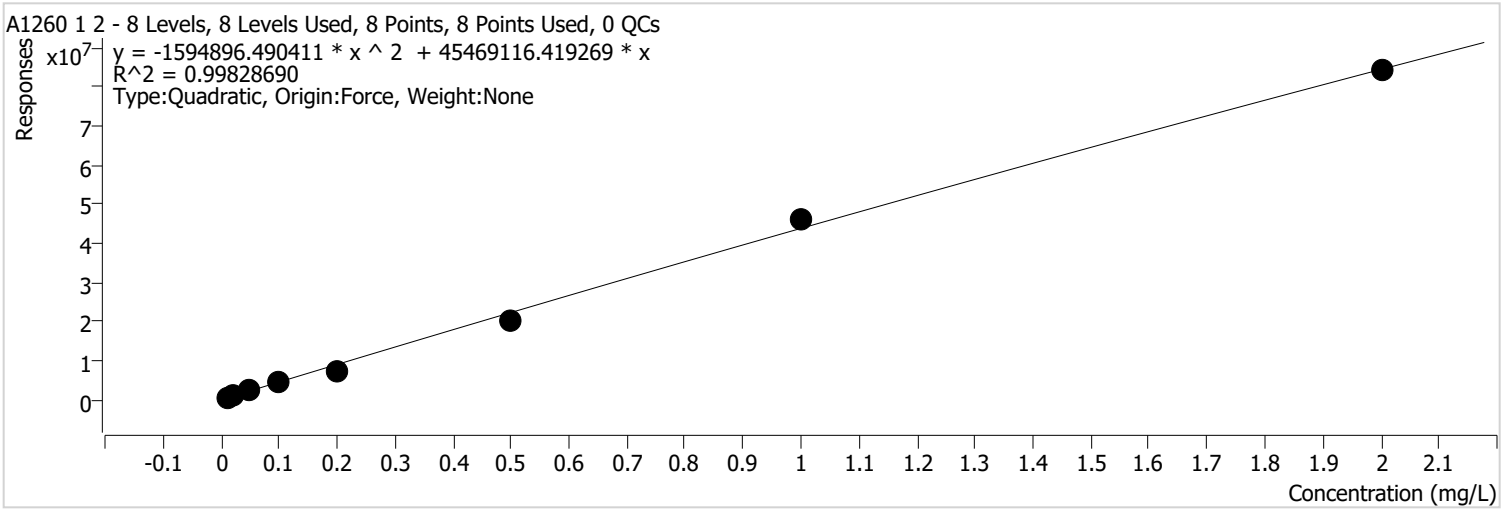
A1260 5 %RSE = 9.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1257434	0.0100	12574340 8.8116	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	2859327	0.0200	14296634 8.5981	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	6668126	0.0500	13336252 4.9736	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	13609710	0.1000	13609709 6.0557	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	22640017	0.2000	11320008 5.6770	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	65007120	0.5000	13001423 9.7761	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	145641580	1.0000	14564158 0.1325	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	268085715	2.0000	13404285 7.7217	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

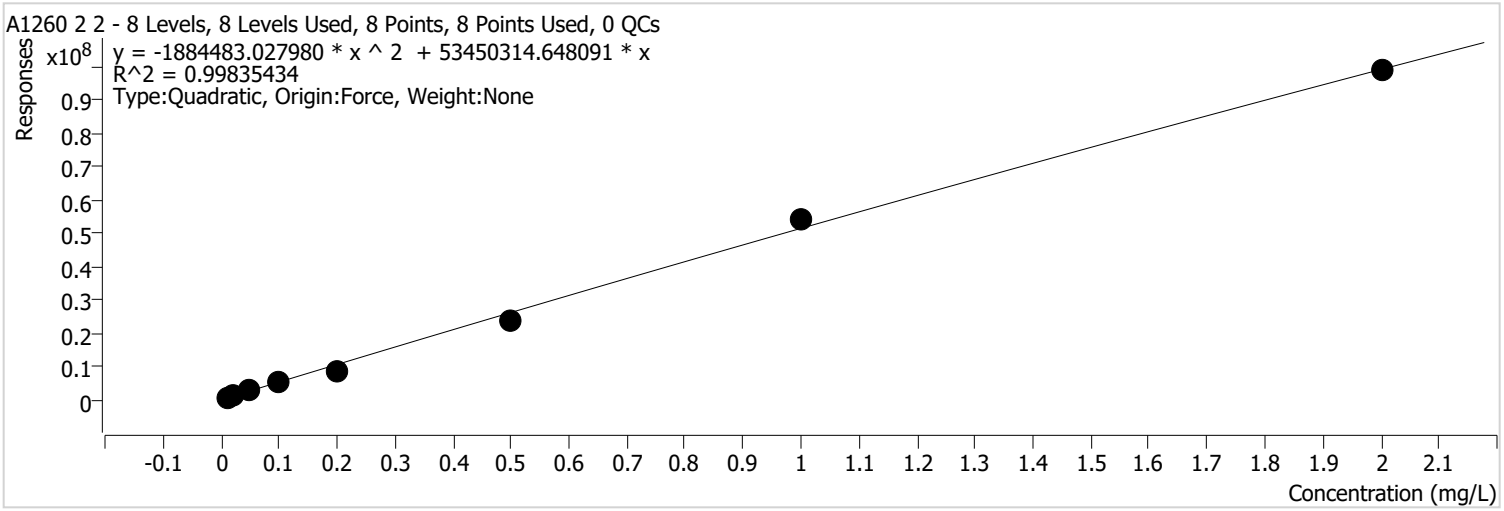
A1260 1 2 %RSE = 9.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	454898	0.0100	45489785.8995	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	962199	0.0200	48109947.6069	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2229708	0.0500	44594160.3693	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	4429510	0.1000	44295098.2366	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	7527890	0.2000	37639448.8096	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	20330660	0.5000	40661319.0826	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	45939899	1.0000	45939899.0049	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	84182845	2.0000	42091422.5107	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

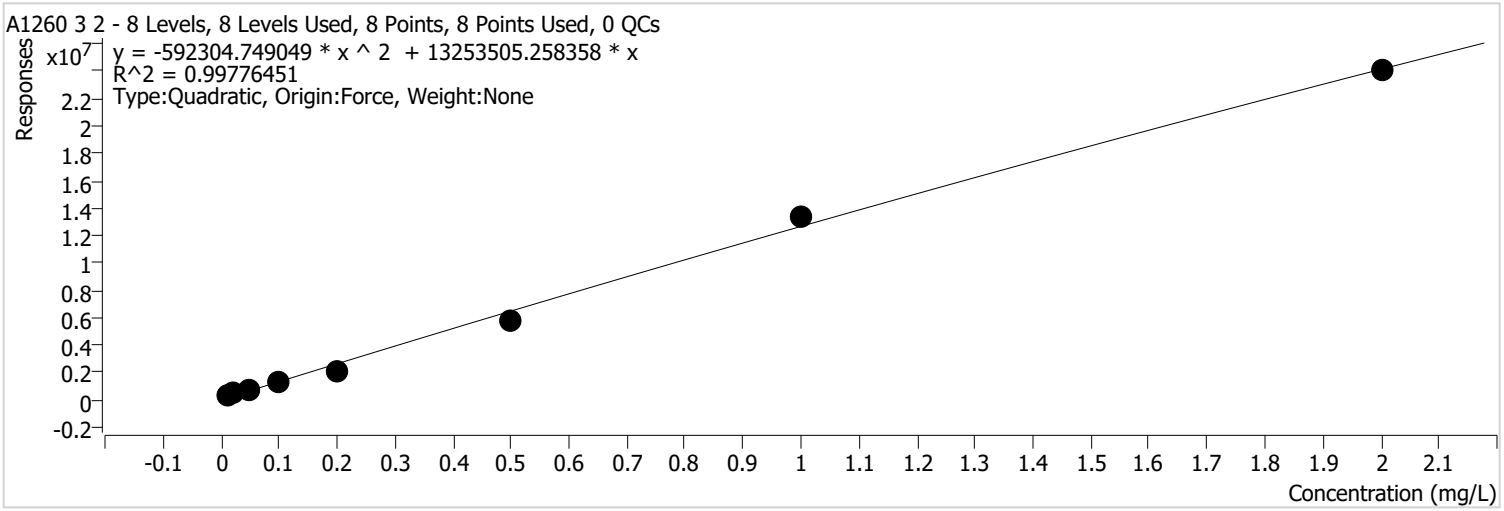
A1260 2 2 %RSE = 10.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	574088	0.0100	57408781.4850	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1191845	0.0200	59592268.6636	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2696925	0.0500	53938500.8158	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5272622	0.1000	52726215.2110	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	8812576	0.2000	44062878.0157	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	23979917	0.5000	47959834.1116	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	53921832	1.0000	53921832.4939	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	98933953	2.0000	49466976.4371	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

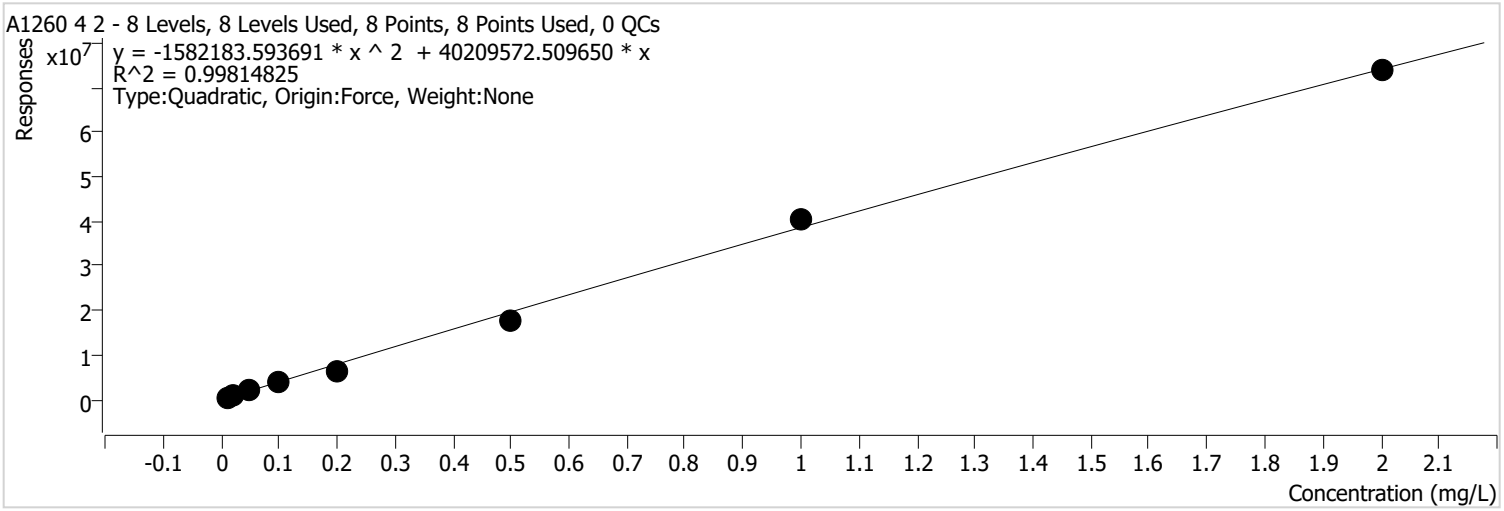
A1260 3 2 %RSE = 63.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	279268	0.0100	27926845.2679	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	488073	0.0200	24403625.6571	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	627223	0.0500	12544455.7110	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1263999	0.1000	12639986.8594	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	2162254	0.2000	10811270.6137	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	5839826	0.5000	11679651.4646	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	13309733	1.0000	13309732.5095	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	24020368	2.0000	12010184.0239	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

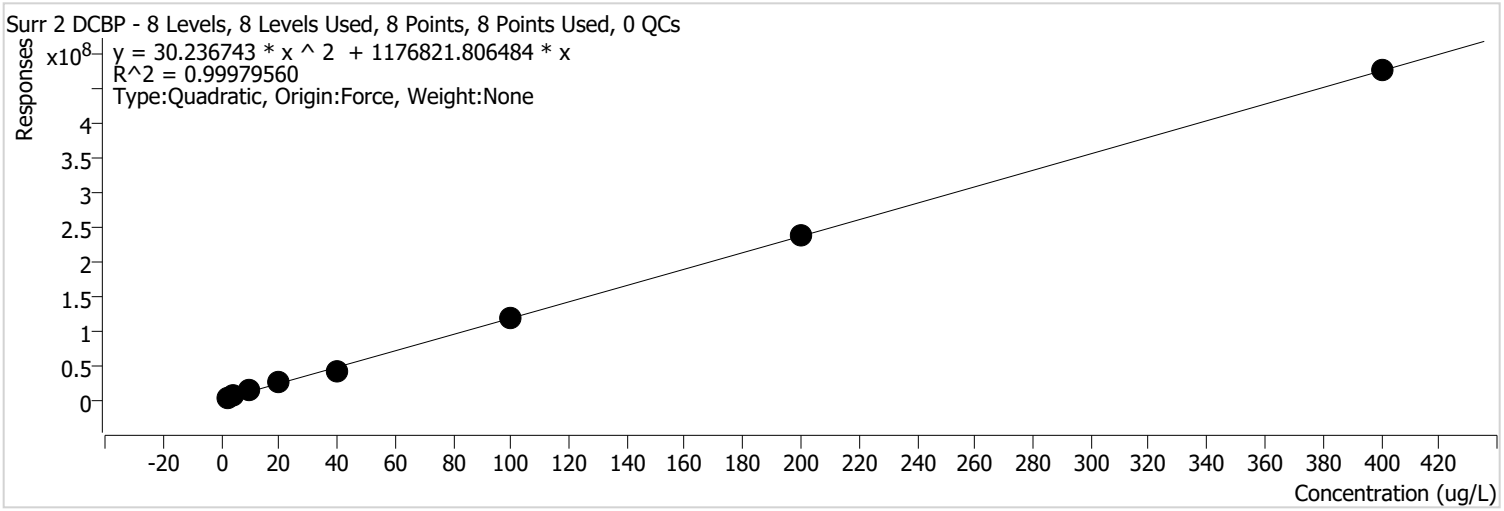
A1260 4 2 %RSE = 10.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	399874	0.0100	39987371.3445	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	817063	0.0200	40853155.1739	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1956455	0.0500	39129099.9081	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	3900081	0.1000	39000814.0881	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	6435840	0.2000	32179198.0000	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	17999271	0.5000	35998541.8783	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	40489618	1.0000	40489617.6979	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	73747447	2.0000	36873723.5210	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

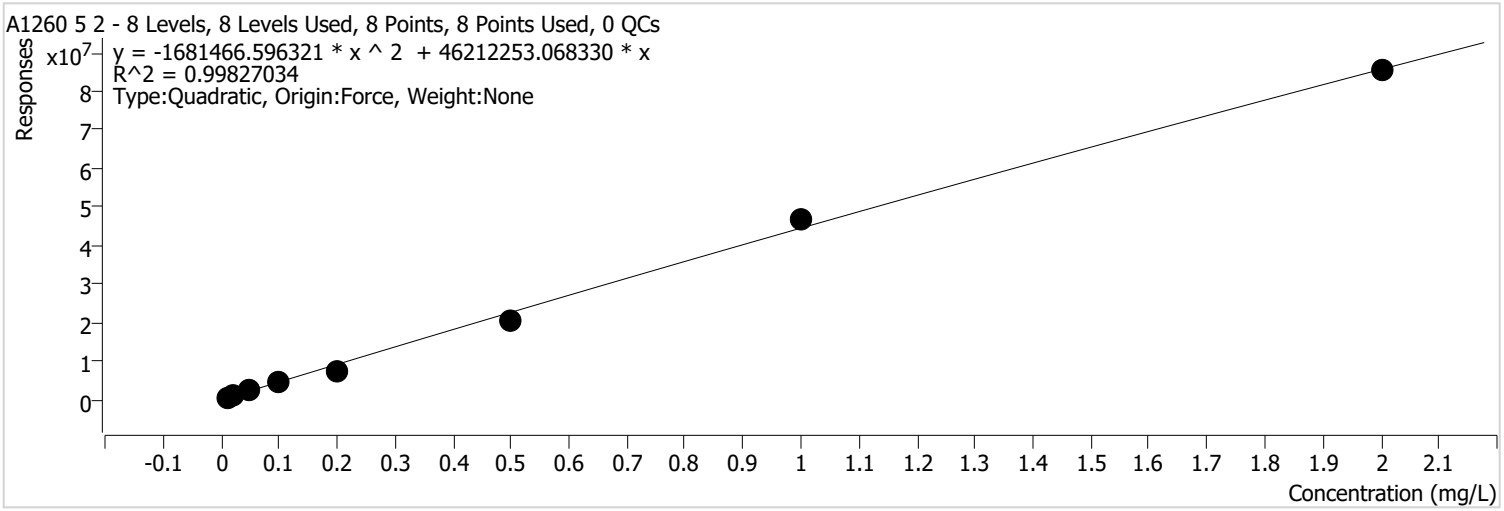
Surr 2 DCBP %RSE = 17.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	2835631	2.0000	1417815.4750	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	5817839	4.0000	1454459.7125	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	13631698	10.0000	1363169.7908	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	26596560	20.0000	1329827.9919	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	42559761	40.0000	1063994.0220	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	119959526	100.0000	1199595.2593	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	235920666	200.0000	1179603.3313	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	475643166	400.0000	1189107.9138	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

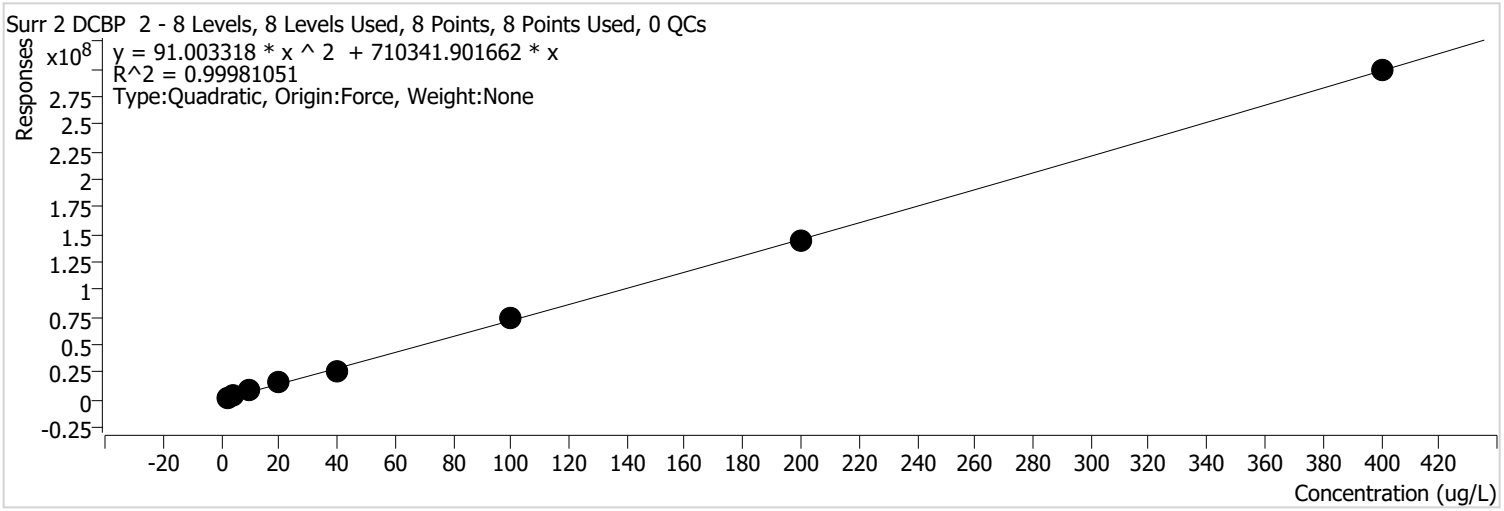
A1260 5 2 %RSE = 9.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	451222	0.0100	45122185.3248	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	939333	0.0200	46966672.7422	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2281184	0.0500	45623673.9193	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	4526047	0.1000	45260473.1199	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	7518618	0.2000	37593090.3608	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	20721889	0.5000	41443778.3307	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	46616994	1.0000	46616994.0487	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	85316606	2.0000	42658302.9412	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 2 DCBP 2 %RSE = 15.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1684288	2.0000	842143.9444	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	3386402	4.0000	846600.5281	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	8128369	10.0000	812836.8712	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	15858823	20.0000	792941.1733	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	25637587	40.0000	640939.6710	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	73246076	100.0000	732460.7624	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	145351163	200.0000	726755.8147	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	298729745	400.0000	746824.3635	

Zq 8/31/9/30/21

PCB Calibration

Date: 09/30/21

Analyst: Sam Beerman

Hexane: 5931

Cal		ICV	
Aroclor 1660:	25029	Aroclor 1660:	24706
Aroclor 1254:	23466	Aroclor 1254:	24708

Surrogate: 25760

Spike Conc. (ppb)	Surr Conc. (ppb)	2° Spike (uL)	1° Spike (uL)	Surr (uL)	Remove (uL)	Final Vol. (mL)	Comments
10	2	5	--	--	5	1	
20	4	10	--	--	10	1	
50	10	25	--	--	25	1	
100	20	50	--	--	50	1	
200	40	100	--	--	100	1	
500	100	250	--	--	250	1	
1000	200	--	1	10	2 11	1	SM 9/30/21
2000	400	--	2	20	4 22	1	SM 9/30/21
ICB	200	--	--	10	10	1	
ICV (1000 ppb)	200	--	1	10	2 11	1	SM 9/30/21

	1660 (uL)	1254 (uL)	Surr (uL)	Final Volume (mL)
2° Intermediate (1660)	2	--	2	1
2° Intermediate (1254)	--	2	2	1

Signature and Date: 9/30/21

Signature: EM

DATA SET for Review -- Deliverable Requirements

Total Metals by EPA Method 6020B

Fremont Analytical Work Order No. 2110287

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\102221eh\
Report Date/Time: Monday, October 25, 2021 11:35:47

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	WASJH	08:44:05 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	WASH	08:49:39 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	NEW 2%	08:55:13 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	NEW 2%	09:00:48 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	CAL BLK IS 23514	09:08:44 Fri 22-Oc	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	Standard 1	09:12:04 Fri 22-Oc	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	Standard 2	09:14:23 Fri 22-Oc	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	Standard 3	09:16:43 Fri 22-Oc	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	Standard 4	09:19:02 Fri 22-Oc	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	Standard 5	09:21:22 Fri 22-Oc	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	Standard 6	09:23:41 Fri 22-Oc	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	Standard 7	09:26:00 Fri 22-Oc	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	Standard 8	09:28:20 Fri 22-Oc	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	WASH	09:30:40 Fri 22-Oc	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	ICB	09:33:00 Fri 22-Oc	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	ICV	09:35:20 Fri 22-Oc	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	WASH	09:37:39 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	2110251-008A 100X	10:02:56 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110265-001A 10X	10:05:16 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110282-001D 10X	10:07:36 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T .	gistix\ICPMS\DataSet\Oct2021\10222
	2110019-005A 10X	10:09:56 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T .	gistix\ICPMS\DataSet\Oct2021\10222
	2110285-001A 5X	10:12:16 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-200.8-T .	gistix\ICPMS\DataSet\Oct2021\10222
	2110065-016A	10:20:28 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110065-017A	10:22:48 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110065-018A	10:25:08 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110065-019A	10:27:28 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110065-020A	10:29:48 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	CCV	10:32:09 Fri 22-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	CCB	10:34:28 Fri 22-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	CCV	10:39:32 Fri 22-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	CCB	10:41:52 Fri 22-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	2110065-021A	10:45:10 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110065-022A	10:47:30 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110065-023A	10:49:50 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110065-024A	10:52:10 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	2110065-025A	10:54:30 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	ICSA	10:57:20 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	WASH	11:02:21 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	WASH	11:04:41 Fri 22-Oc	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	CCV	11:07:00 Fri 22-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	CCB	11:09:20 Fri 22-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	CCV	11:12:53 Fri 22-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	CCB	11:15:13 Fri 22-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	MB-34101	11:48:28 Fri 22-Oc	Sample	C:\Users\Public\DocumMBLK,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
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	2110065-014A	11:53:09 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
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	2110242-001A 10000	11:57:49 Fri 22-Oc	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10222
	CCV	12:00:09 Fri 22-Oc	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	
	CCB	12:02:29 Fri 22-Oc	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222	

2110065-013A	13:38:07 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10222
2110065-014A	13:41:28 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10222
211065-015A	13:43:47 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10222
CCV	13:46:08 Fri 22-OcQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CCB	13:48:28 Fri 22-OcQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CAL BLK IS 23514	13:59:55 Fri 22-OcBlank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 1	14:02:15 Fri 22-OcStandard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 2	14:04:34 Fri 22-OcStandard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 3	14:06:53 Fri 22-OcStandard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 4	14:09:13 Fri 22-OcStandard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 5	14:11:32 Fri 22-OcStandard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 6	14:13:51 Fri 22-OcStandard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 7	14:16:10 Fri 22-OcStandard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 8	14:18:30 Fri 22-OcStandard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
WASH	14:20:50 Fri 22-OcQC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
ICB	14:23:10 Fri 22-OcQC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
ICV	14:25:30 Fri 22-OcQC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
WASH	14:27:49 Fri 22-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
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WASH	14:37:17 Fri 22-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
MB-34115	14:40:40 Fri 22-OcSample	C:\Users\Public\DocumMBLK,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10222
LCS-34115	14:43:00 Fri 22-OcSample	C:\Users\Public\DocumLCS,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10222
2110287-002A	14:45:19 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10222
2110287-002ADIL	14:47:39 Fri 22-OcSample	C:\Users\Public\DocumSD,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10222
2110287-002AMS	14:49:58 Fri 22-OcSample	C:\Users\Public\DocumMS,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10222
2110287-002AMSD	14:52:18 Fri 22-OcSample	C:\Users\Public\DocumMSD,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10222
2110287-002APDS	14:54:37 Fri 22-OcSample	C:\Users\Public\DocumPDS,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10222
2110287-001A	14:56:56 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10222
2110287-003A	14:59:16 Fri 22-OcSample	C:\Users\Public\DocumMBLK,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10222
2110287-004A	15:01:35 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10222
CCV	15:03:55 Fri 22-OcQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CCB	15:06:15 Fri 22-OcQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
WASH	15:09:14 Fri 22-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CCV	15:11:34 Fri 22-OcQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CCB	15:13:54 Fri 22-OcQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CCV	15:16:22 Fri 22-OcQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
2110287-005A	15:19:07 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10222
2110287-006A	15:21:26 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10222
2110287-007A	15:23:46 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10222
2110287-008A	15:26:05 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10222
2110287-009A	15:28:24 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10222
2110287-010A	15:30:44 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S . gistix\ICPMS\DataSet\Oct2021\10222
MB-34132	15:34:25 Fri 22-OcSample	C:\Users\Public\DocumMBLK,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10222
LCS-34132	15:36:44 Fri 22-OcSample	C:\Users\Public\DocumLCS,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10222
2110307-005B	15:39:04 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T . gistix\ICPMS\DataSet\Oct2021\10222
CCV	15:41:24 Fri 22-OcQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CCB	15:43:44 Fri 22-OcQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
2110283-002A 5X	15:49:10 Fri 22-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CAL BLK IS 23514	15:53:16 Fri 22-OcBlank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 1	15:55:36 Fri 22-OcStandard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CAL BLK IS 23514	15:58:47 Fri 22-OcBlank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 1	16:03:21 Fri 22-OcStandard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 2	16:08:55 Fri 22-OcStandard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 3	16:14:29 Fri 22-OcStandard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 4	16:20:03 Fri 22-OcStandard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 5	16:25:36 Fri 22-OcStandard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 6	16:31:10 Fri 22-OcStandard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 7	16:36:44 Fri 22-OcStandard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
Standard 8	16:42:18 Fri 22-OcStandard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222

WASH	16:47:53 Fri 22-OcQC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
ICB	16:53:28 Fri 22-OcQC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
ICV	16:59:02 Fri 22-OcQC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
WASH	17:04:36 Fri 22-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
ICSA	17:10:11 Fri 22-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
WASH	17:15:46 Fri 22-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
WASH	17:21:20 Fri 22-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
MB-34132	17:26:55 Fri 22-OcSample	C:\Users\Public\DocumMBLK,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
LCS-34132	17:32:29 Fri 22-OcSample	C:\Users\Public\DocumLCS,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110283-002A	17:38:03 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110283-002ADUP	17:43:37 Fri 22-OcSample	C:\Users\Public\DocumDUP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110283-002AMS	17:49:12 Fri 22-OcSample	C:\Users\Public\DocumMS,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110283-002AMSD	17:54:46 Fri 22-OcSample	C:\Users\Public\DocumMSD,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
CCV	18:00:20 Fri 22-OcQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CCB	18:05:55 Fri 22-OcQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
2110104-007A	18:11:30 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110104-001A	18:17:05 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-DOD-200.8-T stix\ICPMS\DataSet\Oct2021\10222
WASH	18:22:40 Fri 22-OcSample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
MB-34113	18:28:15 Fri 22-OcSample	C:\Users\Public\DocumMBLK,M-DOD-200.8-T istix\ICPMS\DataSet\Oct2021\10222
LCS-34113	18:33:50 Fri 22-OcSample	C:\Users\Public\DocumLCS,M-DOD-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110104-003A 10X	18:39:24 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-DOD-200.8-T stix\ICPMS\DataSet\Oct2021\10222
LCS-34115	18:44:59 Fri 22-OcSample	C:\Users\Public\DocumLCS,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110009-009A	18:50:34 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110009-009A	18:56:08 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2109376-046A	19:01:43 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
CCV	19:07:18 Fri 22-OcQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CCB	19:12:53 Fri 22-OcQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
2109376-048A	19:18:27 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110265-002A	19:24:01 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110265-003A	19:29:36 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110286-006A	19:35:10 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110286-013A	19:40:44 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10222
2110307-005A	19:46:18 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110283-001A	19:51:53 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110295-001A	19:57:27 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110295-002A	20:03:01 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110295-003A	20:08:36 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
CCV	20:14:10 Fri 22-OcQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CCB	20:19:45 Fri 22-OcQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
2110295-004A	20:25:19 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110295-005A	20:30:53 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110295-006A	20:36:28 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110295-007A	20:42:02 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110306-001E 2X	20:47:36 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110306-002E 2X	20:53:10 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
2110056-005A 50X	20:58:45 Fri 22-OcSample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10222
CCV	21:04:19 Fri 22-OcQC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
CCB	21:09:54 Fri 22-OcQC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
2%	21:15:28 Fri 22-OcQC Std #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222
DI	21:21:03 Fri 22-OcQC Std #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10222

Dataset Report

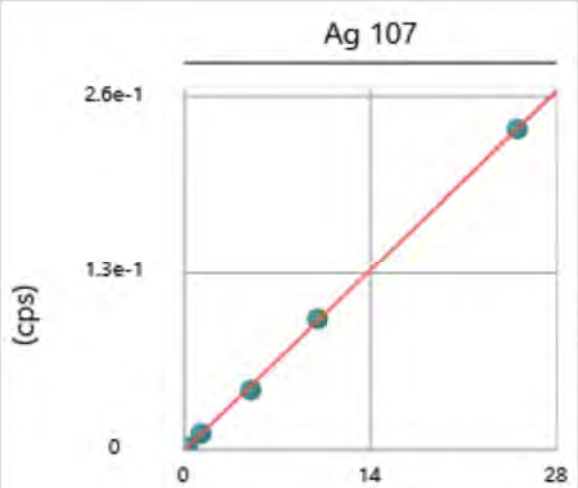
User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\102521tn\
Report Date/Time: Monday, October 25, 2021 17:16:41

The Dataset

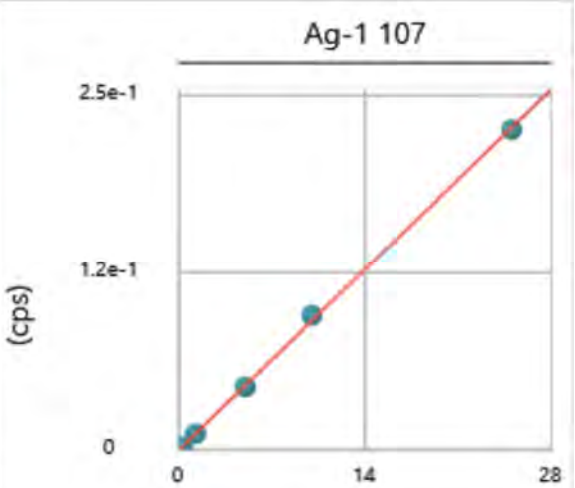
Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	WASH	10:56:29 Mon 25-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	WASH	11:02:03 Mon 25-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	WASH	11:08:04 Mon 25-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	CAL BLK IS 23514	11:17:55 Mon 25-C	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	Standard 1	11:23:29 Mon 25-C	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	Standard 2	11:29:03 Mon 25-C	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	Standard 3	11:34:38 Mon 25-C	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	Standard 4	11:40:12 Mon 25-C	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	Standard 5	11:45:46 Mon 25-C	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	Standard 6	11:51:20 Mon 25-C	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	Standard 7	11:56:54 Mon 25-C	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	Standard 8	12:02:28 Mon 25-C	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	WASH	12:08:03 Mon 25-C	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	ICB	12:13:38 Mon 25-C	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	ICV	12:19:12 Mon 25-C	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	ICSA	12:36:34 Mon 25-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	LCS-34115	12:43:22 Mon 25-C	Sample	C:\Users\Public\DocumLCS,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10252
	2110287-002A 10X	12:48:55 Mon 25-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10252
	2109376-046A	12:54:29 Mon 25-C	Sample	C:\Users\Public\DocumSAMP,M-6020-S .	gistix\ICPMS\DataSet\Oct2021\10252
	2110265-002A 10X	13:00:03 Mon 25-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	CCV	13:05:38 Mon 25-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	CCB	13:11:13 Mon 25-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	MB-34151	13:52:17 Mon 25-C	Sample	C:\Users\Public\DocumMBLK,M-200.8-T .	gistix\ICPMS\DataSet\Oct2021\10252
	LCS-34151	13:57:51 Mon 25-C	Sample	C:\Users\Public\DocumLCS,M-200.8-T .	gistix\ICPMS\DataSet\Oct2021\10252
	2110308-001A	14:03:25 Mon 25-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T .	gistix\ICPMS\DataSet\Oct2021\10252
	2110308-001ADUP	14:08:59 Mon 25-C	Sample	C:\Users\Public\DocumDUP,M-200.8-T .	gistix\ICPMS\DataSet\Oct2021\10252
	2110308-001AMS	14:14:33 Mon 25-C	Sample	C:\Users\Public\DocumMS,M-200.8-T .	gistix\ICPMS\DataSet\Oct2021\10252
	2110308-001AMSD	14:20:07 Mon 25-C	Sample	C:\Users\Public\DocumMSD,M-200.8-T .	gistix\ICPMS\DataSet\Oct2021\10252
	2110296-001A	14:25:41 Mon 25-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T .	gistix\ICPMS\DataSet\Oct2021\10252
	2110296-002A	14:31:16 Mon 25-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T .	gistix\ICPMS\DataSet\Oct2021\10252
	WASH	14:37:11 Mon 25-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	WASH	14:42:46 Mon 25-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	CCV	14:52:34 Mon 25-C	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	CCB	14:58:08 Mon 25-C	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	CAL BLK IS 23514	15:06:50 Mon 25-C	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	Standard 1	15:10:09 Mon 25-C	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	Standard 2	15:12:29 Mon 25-C	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	Standard 3	15:14:48 Mon 25-C	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	Standard 4	15:17:07 Mon 25-C	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	Standard 5	15:19:27 Mon 25-C	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	Standard 6	15:21:46 Mon 25-C	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	Standard 7	15:24:05 Mon 25-C	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	Standard 8	15:26:24 Mon 25-C	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	WASH	15:28:45 Mon 25-C	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	ICB	15:31:04 Mon 25-C	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	ICV	15:33:23 Mon 25-C	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	WASH	15:35:42 Mon 25-C	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10252	
	MB-34151	15:38:03 Mon 25-C	Sample	C:\Users\Public\DocumMBLK,M-200.8-T .	gistix\ICPMS\DataSet\Oct2021\10252
	LCS-34151	15:40:22 Mon 25-C	Sample	C:\Users\Public\DocumLCS,M-200.8-T .	gistix\ICPMS\DataSet\Oct2021\10252
	2110308-001A	15:42:42 Mon 25-C	Sample	C:\Users\Public\DocumSAMP,M-200.8-T .	gistix\ICPMS\DataSet\Oct2021\10252

2110308-001ADUP	15:45:01 Mon 25-CSample	C:\Users\Public\DocumDUP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
2110308-001AMS	15:47:20 Mon 25-CSample	C:\Users\Public\DocumMS,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
2110308-001AMSD	15:49:38 Mon 25-CSample	C:\Users\Public\DocumMSD,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
2110296-001A 10X	15:51:57 Mon 25-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
2110296-002A 10X	15:54:17 Mon 25-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
2110296-003A 10X	15:56:36 Mon 25-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
CCV	15:58:57 Mon 25-CQC Std #4	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\Oct2021\10252
CCB	16:01:17 Mon 25-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\Oct2021\10252
2110296-004A 10X	16:03:36 Mon 25-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
2110296-005A 10X	16:05:56 Mon 25-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
2110296-006A 10X	16:08:15 Mon 25-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
2110296-007A 10X	16:10:35 Mon 25-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
2110302-001C	16:12:54 Mon 25-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
2110303-001A	16:15:13 Mon 25-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
2110303-006A	16:17:33 Mon 25-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
2110309-001B	16:19:52 Mon 25-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
2110312-001A	16:22:11 Mon 25-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
2110312-002A	16:24:30 Mon 25-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
CCV	16:26:50 Mon 25-CQC Std #4	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\Oct2021\10252
CCB	16:29:11 Mon 25-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\Oct2021\10252
2110312-001A 20X	16:31:31 Mon 25-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
2110312-002A 20X	16:33:50 Mon 25-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
2110313-001A	16:36:10 Mon 25-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
2110323-001A	16:38:29 Mon 25-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
2110329-001A	16:40:49 Mon 25-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
2110330-001B	16:43:08 Mon 25-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
2110331-001B	16:45:27 Mon 25-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
2110331-002B	16:47:47 Mon 25-CSample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10252
CCV	16:50:06 Mon 25-CQC Std #4	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\Oct2021\10252
CCB	16:52:26 Mon 25-CQC Std #5	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\Oct2021\10252
CCV	16:59:23 Mon 25-CSample	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\Oct2021\10252
2%	17:05:08 Mon 25-CSample	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\Oct2021\10252
DI	17:07:27 Mon 25-CSample	C:\Users\Public\Documents\PerkinElmer Syng	istix\ICPMS\DataSet\Oct2021\10252

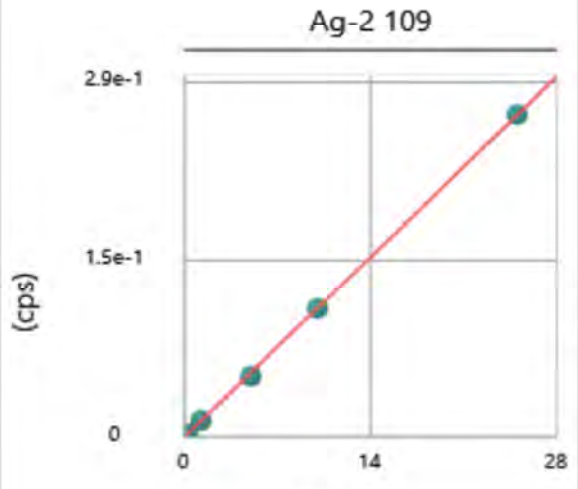
Calibration



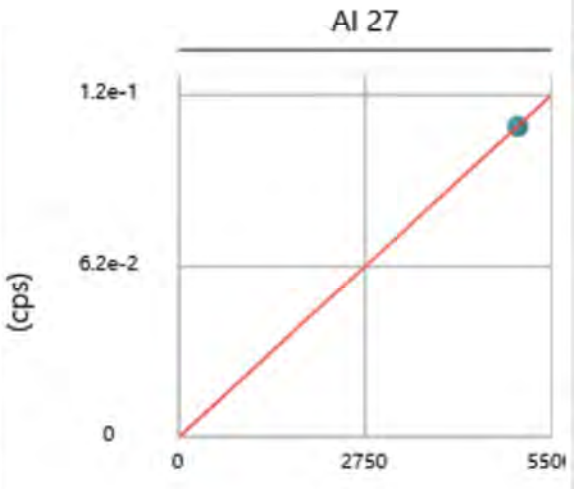
Eqn. : y = 0.010x + 0.000
Cor.Coeff. : 0.999910
BEC : 0.025161 ug/L
DL : 0.004965 ug/L



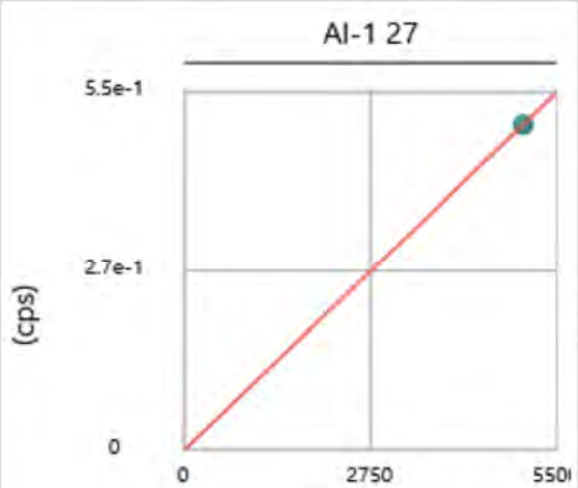
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999862
BEC : 0.022714 ug/L
DL : 0.003044 ug/L



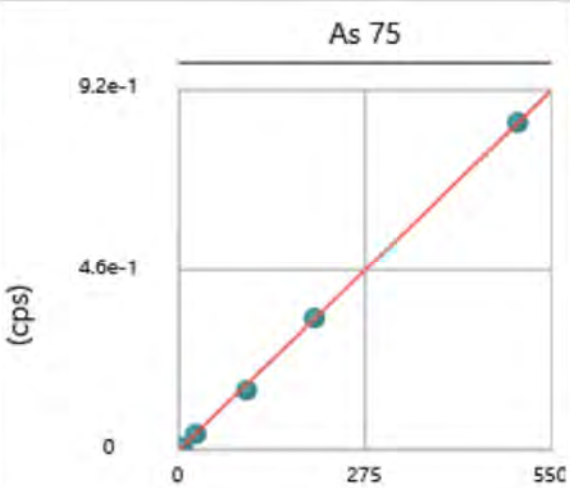
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999951
BEC : 0.022384 ug/L
DL : 0.004313 ug/L



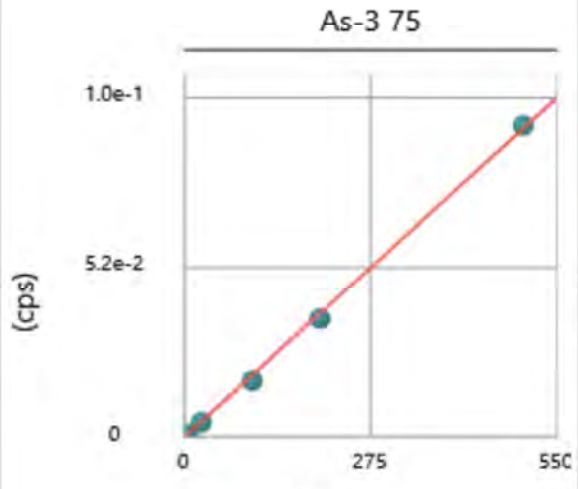
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.076863 ug/L
DL : 0.226197 ug/L



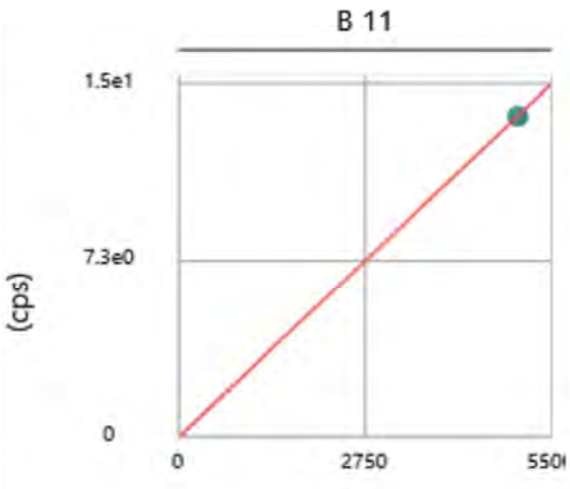
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.096059 mg/L
DL : 0.281439 mg/L



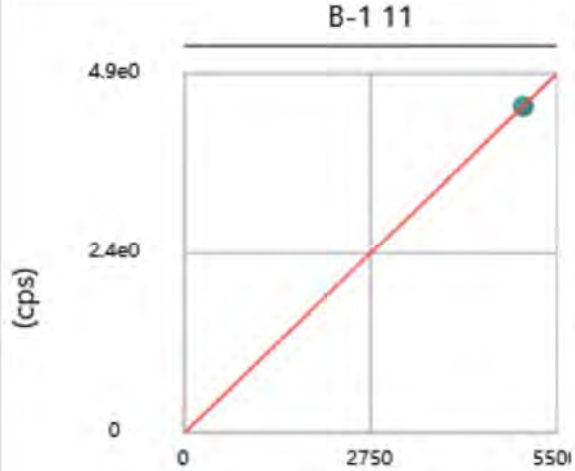
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999883
BEC : -0.042336 ug/L
DL : 0.344174 ug/L



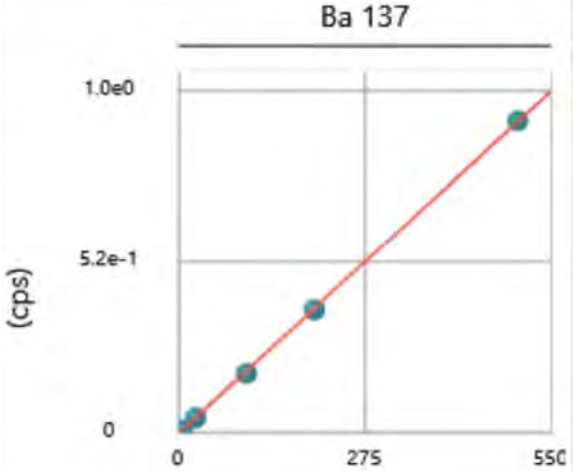
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999723
BEC : 0.088881 ug/L
DL : 0.105707 ug/L



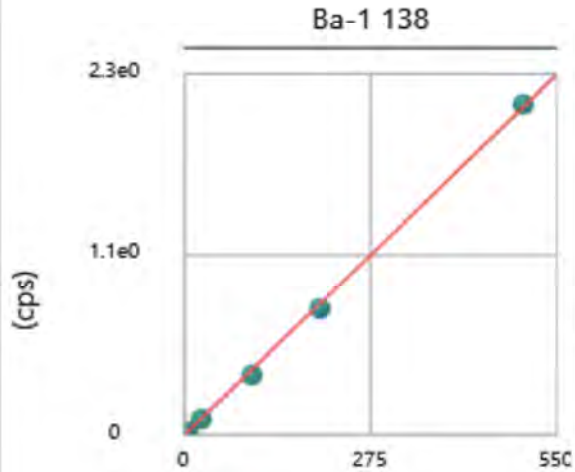
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 1.000000
BEC : 9.642463 ug/L
DL : 1.040216 ug/L



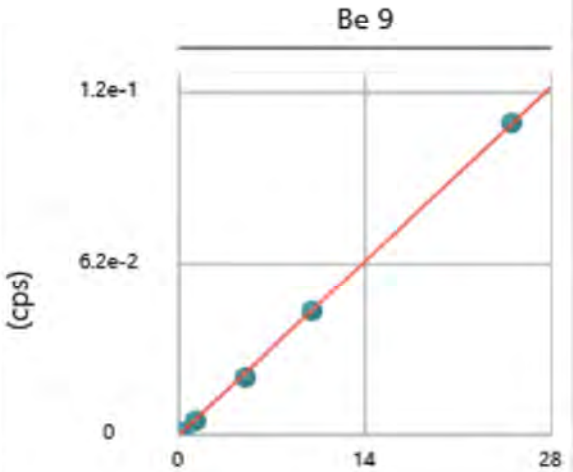
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 12.107758 ug/L
DL : 8.651528 ug/L



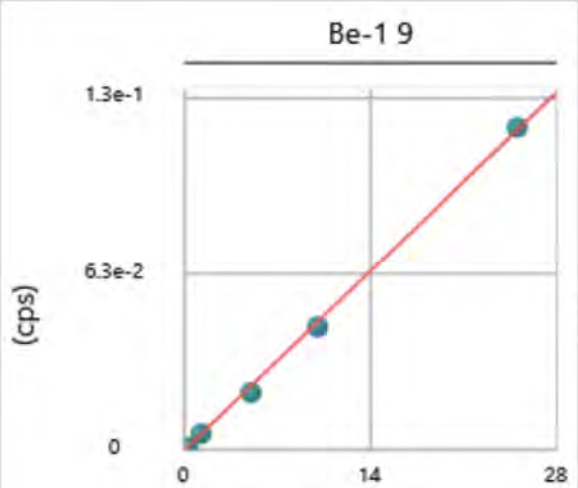
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999959
BEC : 0.025721 ug/L
DL : 0.007819 ug/L



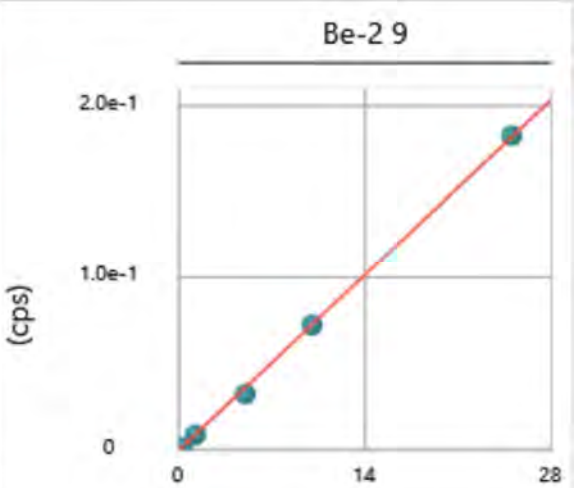
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999763
BEC : 0.026231 mg/L
DL : 0.012771 mg/L



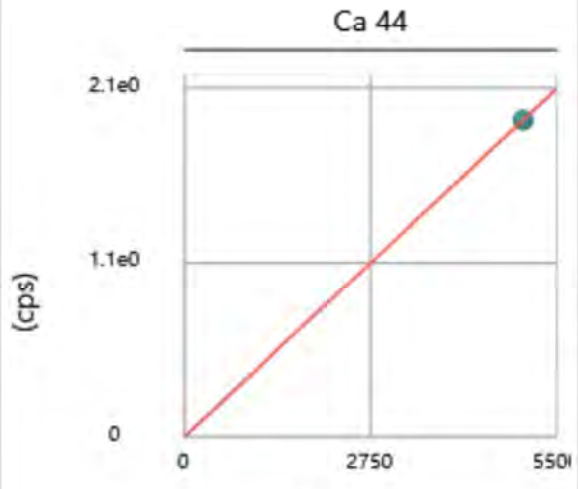
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999898
BEC : 0.000739 ug/L
DL : 0.001276 ug/L



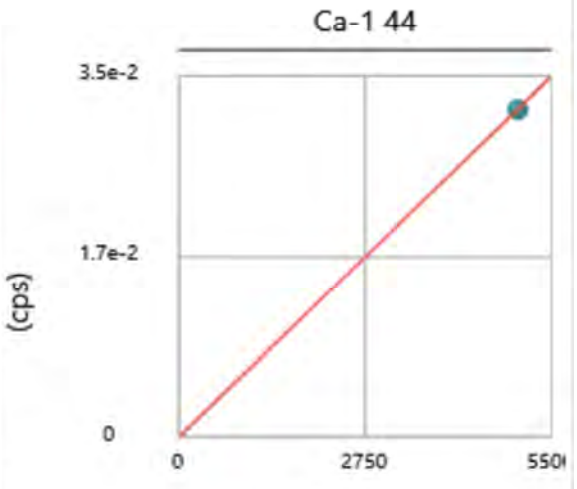
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999708
BEC : 0.007498 ug/L
DL : 0.038961 ug/L



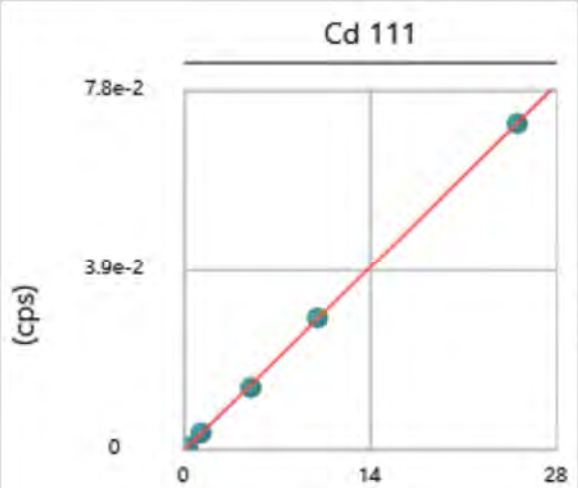
Eqn. : y = 0.007x + 0.000
Cor.Coeff. : 0.999816
BEC : 0.000640 ug/L
DL : 0.001088 ug/L



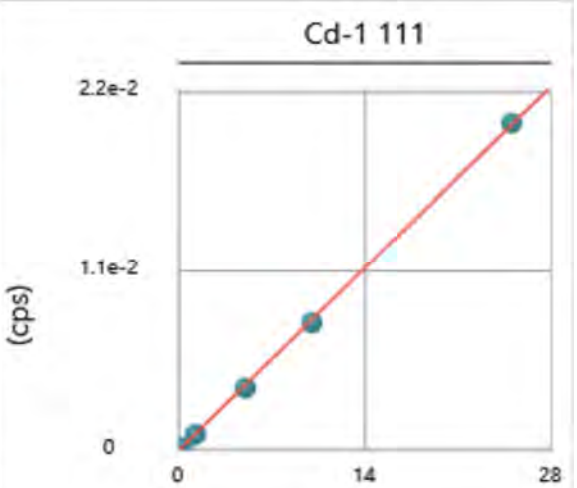
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 7.056717 ug/L
DL : 0.577892 ug/L



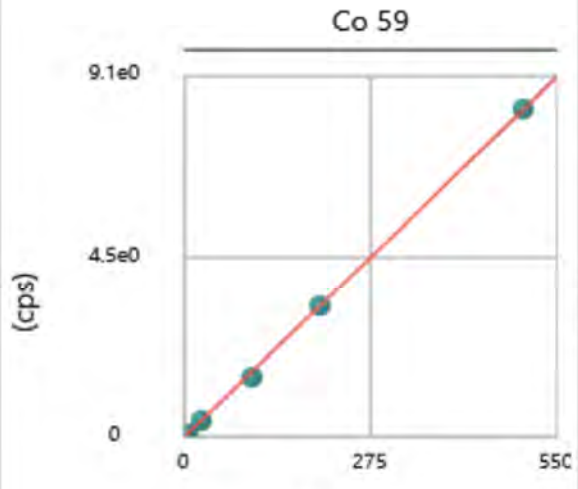
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 1.688239 mg/L
DL : 3.518952 mg/L



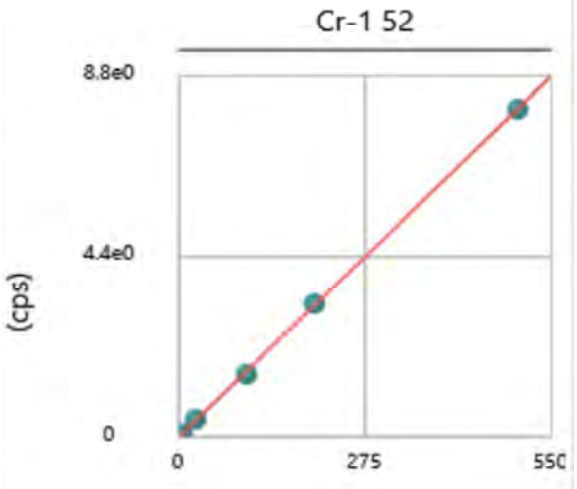
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999967
BEC : 0.001167 ug/L
DL : 0.000704 ug/L



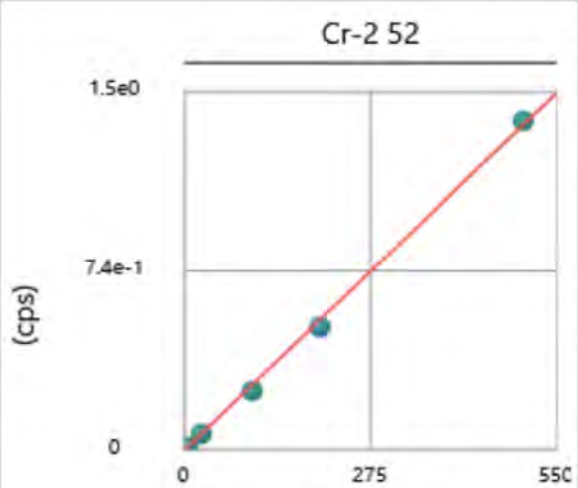
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999921
BEC : 0.034137 mg/L
DL : 0.016584 mg/L



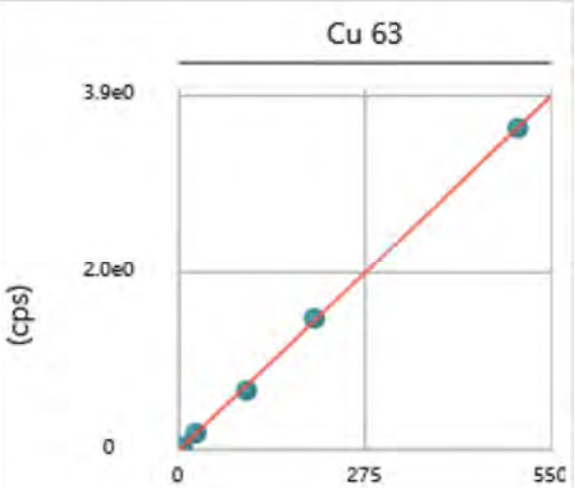
Eqn. : y = 0.016x + 0.000
Cor.Coeff. : 0.999876
BEC : 0.006094 ug/L
DL : 0.001750 ug/L



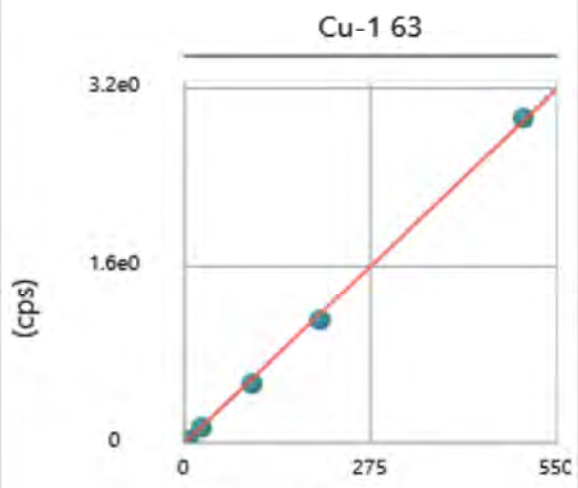
Eqn. : y = 0.016x + 0.000
Cor.Coeff. : 0.999951
BEC : 1.772443 ug/L
DL : 0.238653 ug/L



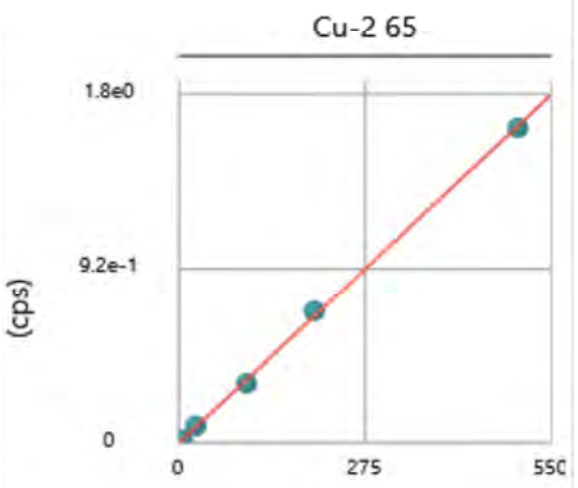
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999606
BEC : 0.054330 ug/L
DL : 0.040660 ug/L



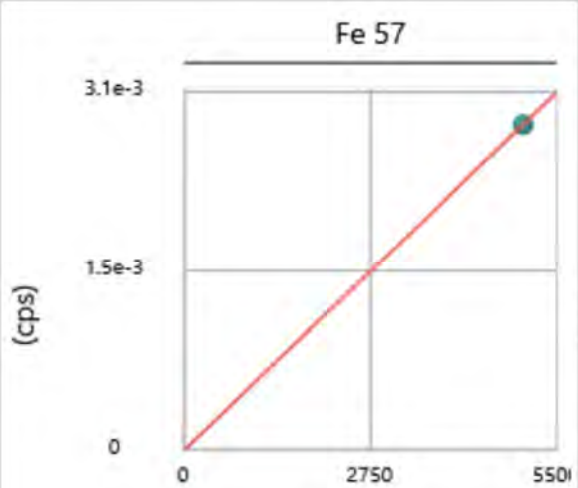
Eqn. : y = 0.007x + 0.000
Cor.Coeff. : 0.999881
BEC : 0.296998 ug/L
DL : 0.046774 ug/L



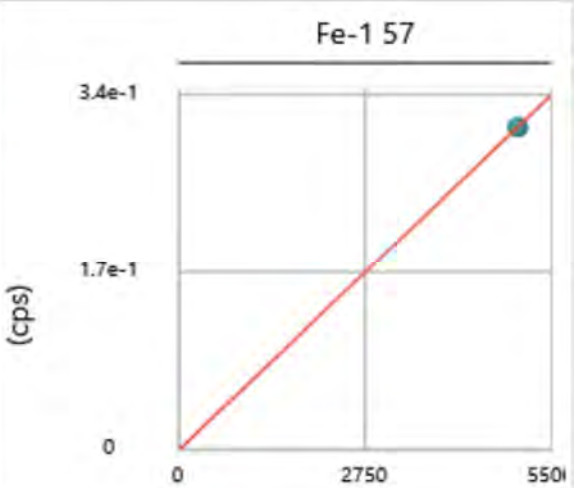
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999720
BEC : 0.025089 ug/L
DL : 0.016665 ug/L



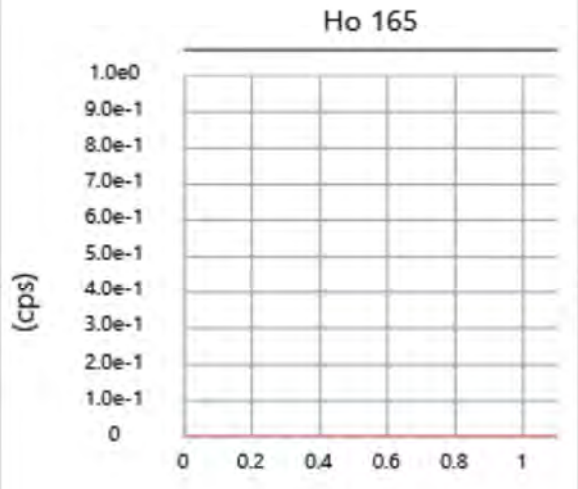
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999819
BEC : 0.030676 ug/L
DL : 0.016434 ug/L



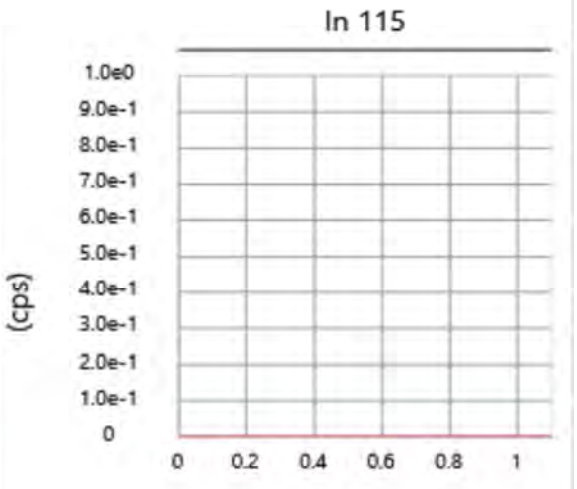
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 23.555664 ug/L
DL : 40.069268 ug/L



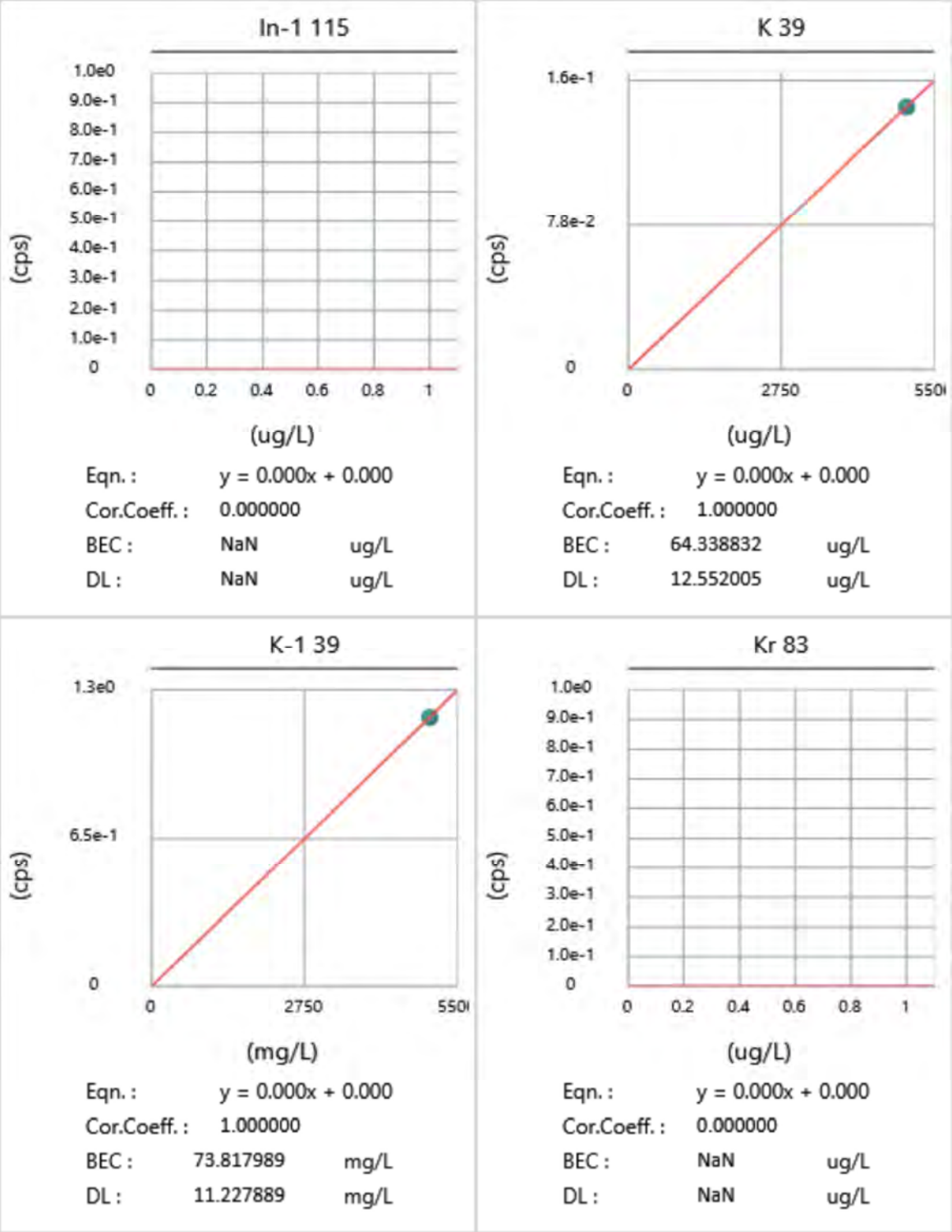
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.722124 ug/L
DL : 1.212214 ug/L

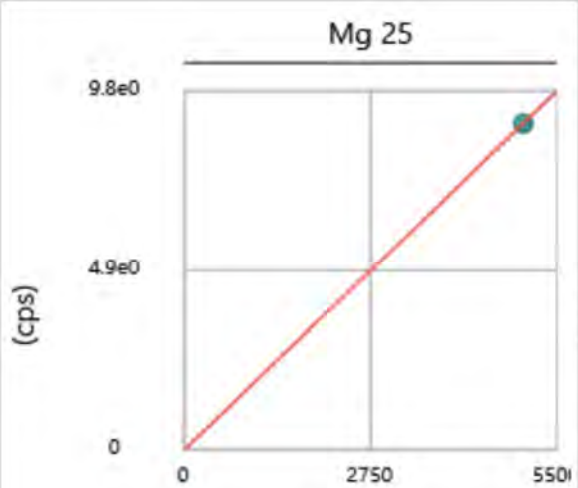


Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L

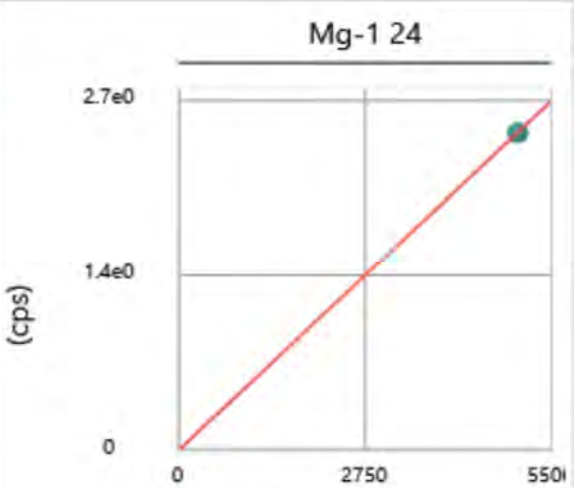


Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L

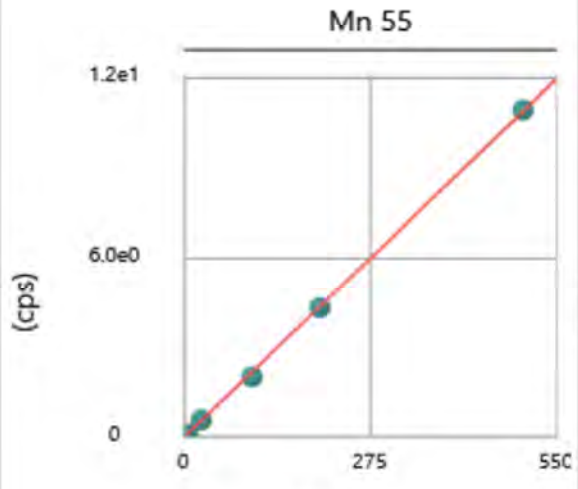

In-1 115
1.0e0
9.0e-1
8.0e-1
7.0e-1
6.0e-1
5.0e-1
4.0e-1
3.0e-1
2.0e-1
1.0e-1
0
(cps)
0
0.2
0.4
0.6
0.8
1
(ug/L)
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L
K 39
1.6e-1
7.8e-2
0
(cps)
0
2750
(ug/L)
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 64.338832 ug/L
DL : 12.552005 ug/L
K-1 39
1.3e0
6.5e-1
0
(cps)
0
2750
(mg/L)
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 73.817989 mg/L
DL : 11.227889 mg/L
Kr 83
1.0e0
9.0e-1
8.0e-1
7.0e-1
6.0e-1
5.0e-1
4.0e-1
3.0e-1
2.0e-1
1.0e-1
0
(cps)
0
0.2
0.4
0.6
0.8
1
(ug/L)
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



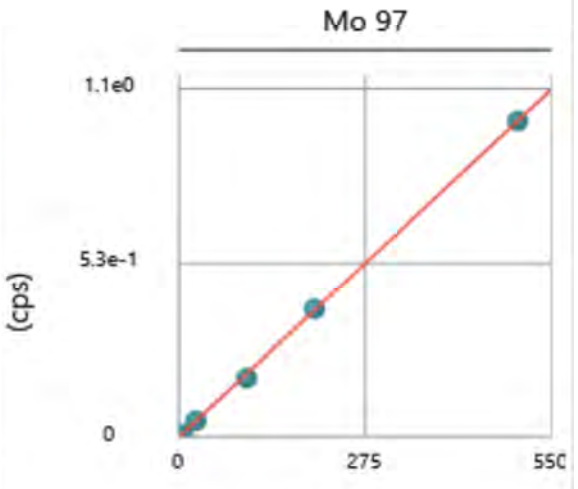
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.074453 ug/L
DL : 0.030540 ug/L



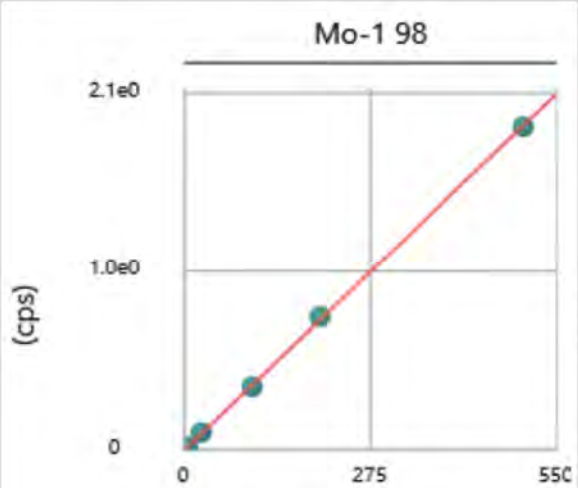
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.084851 mg/L
DL : 0.068343 mg/L



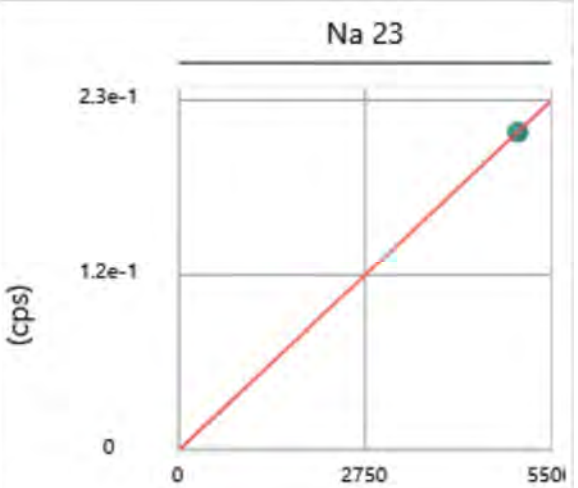
Eqn. : y = 0.022x + 0.000
Cor.Coeff. : 0.999895
BEC : 0.053435 ug/L
DL : 0.004985 ug/L



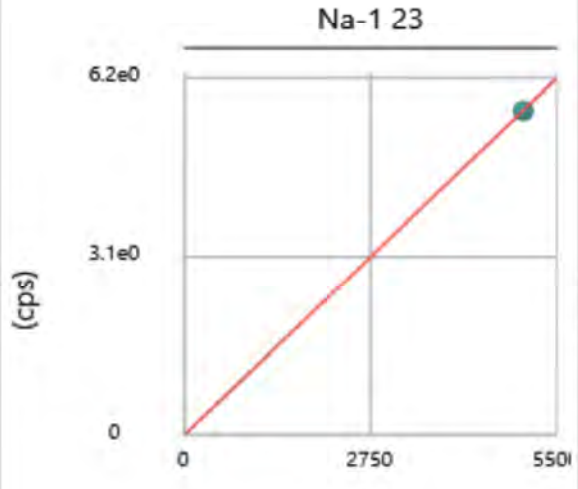
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999921
BEC : 0.025057 ug/L
DL : 0.016485 ug/L



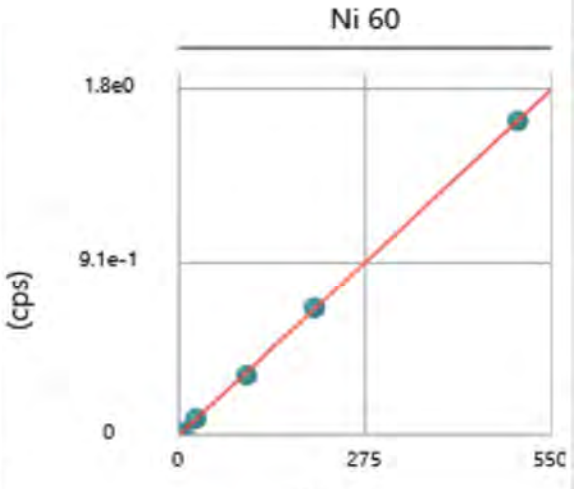
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999939
BEC : 0.020364 ug/L
DL : 0.019743 ug/L



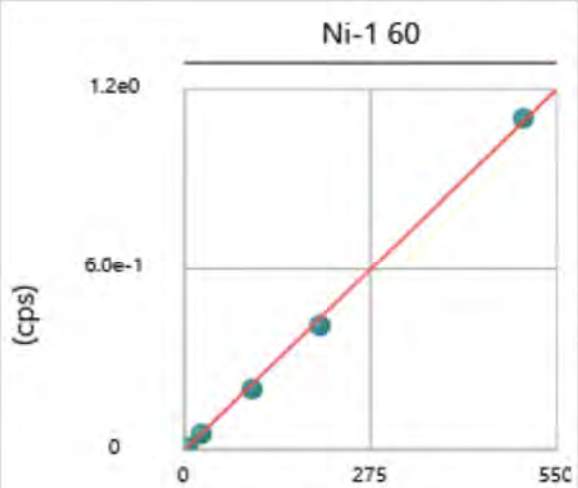
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 7.036170 ug/L
DL : 1.913284 ug/L



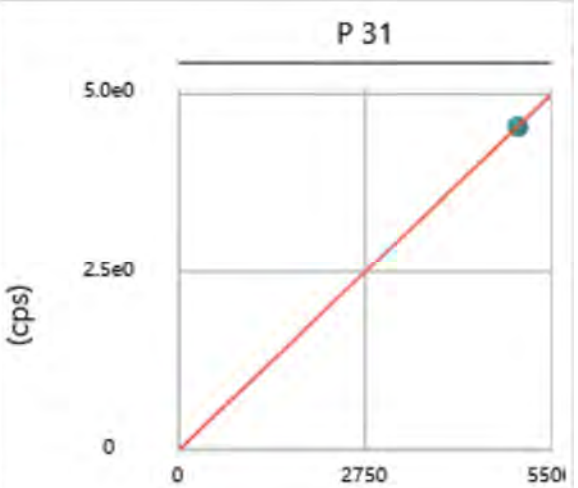
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 3.643206 mg/L
DL : 0.886263 mg/L



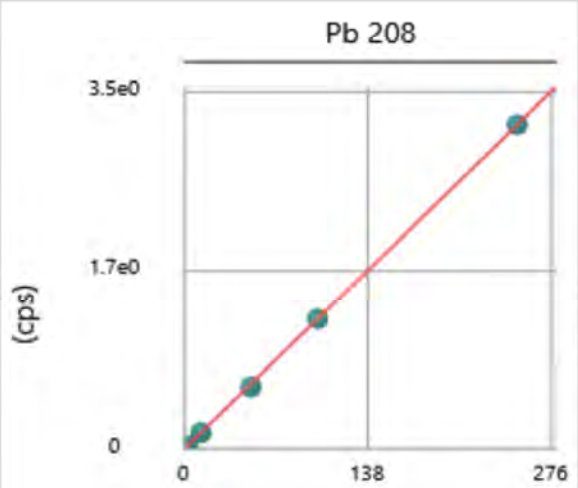
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999957
BEC : 0.051194 ug/L
DL : 0.021120 ug/L



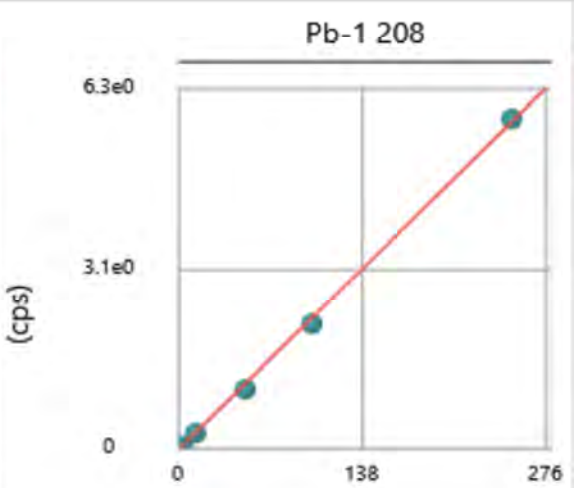
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999685
BEC : 0.053003 ug/L
DL : 0.007474 ug/L



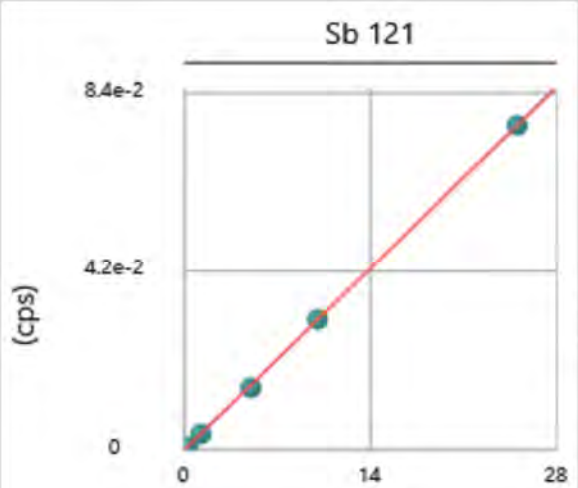
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 15.159536 ug/L
DL : 0.728672 ug/L



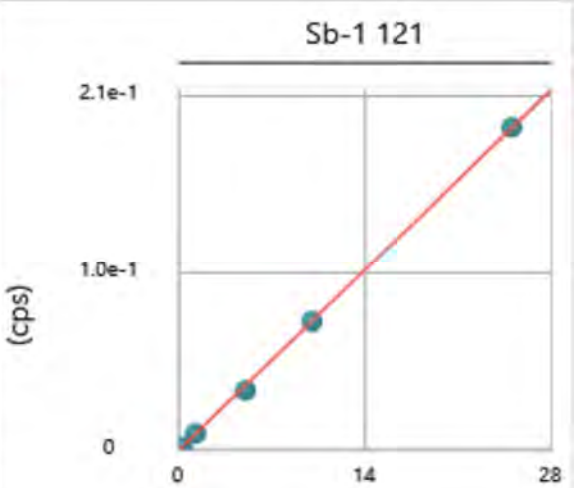
Eqn. : y = 0.013x + 0.000
Cor.Coeff. : 0.999971
BEC : 0.010817 ug/L
DL : 0.001734 ug/L



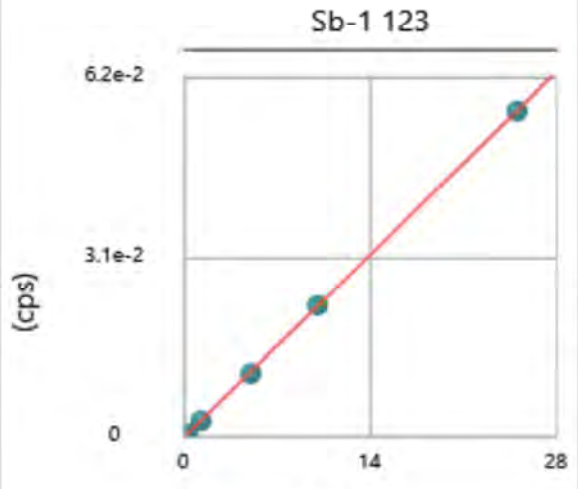
Eqn. : y = 0.023x + 0.000
Cor.Coeff. : 0.999713
BEC : 0.011579 ug/L
DL : 0.002781 ug/L



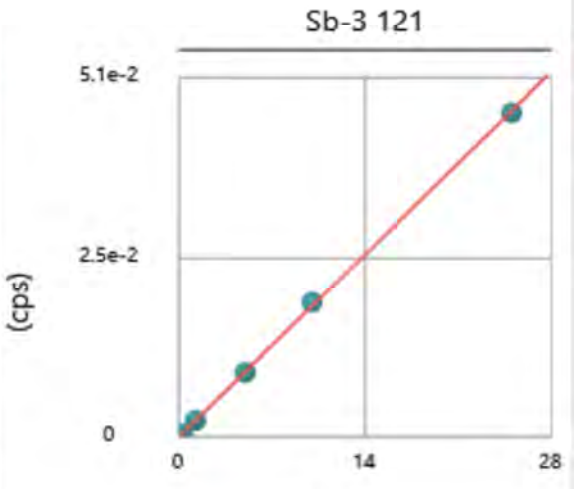
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999976
BEC : 0.006767 ug/L
DL : 0.000819 ug/L



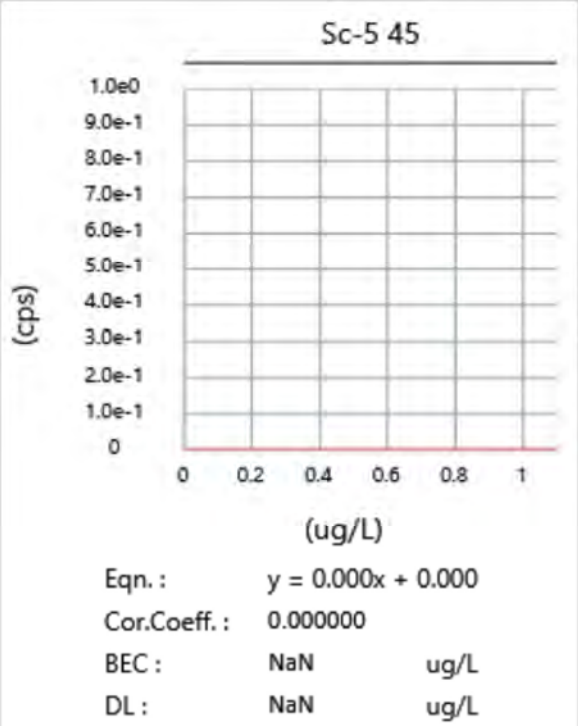
Eqn. : y = 0.007x + 0.000
Cor.Coeff. : 0.999909
BEC : 0.006741 ug/L
DL : 0.000773 ug/L



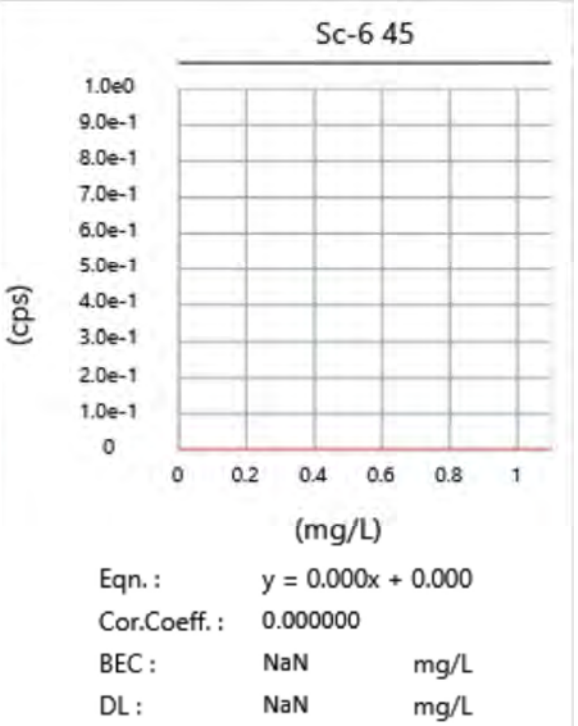
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999983
BEC : 0.006794 ug/L
DL : 0.001908 ug/L



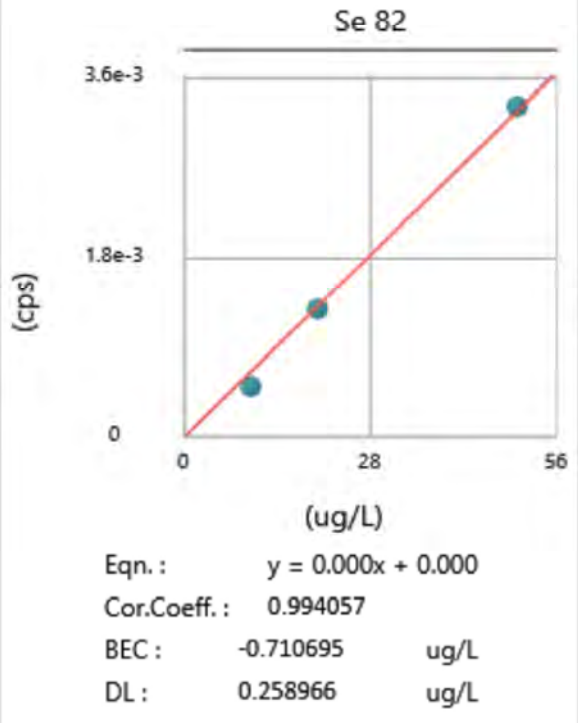
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999925
BEC : 0.011609 ug/L
DL : 0.007622 ug/L



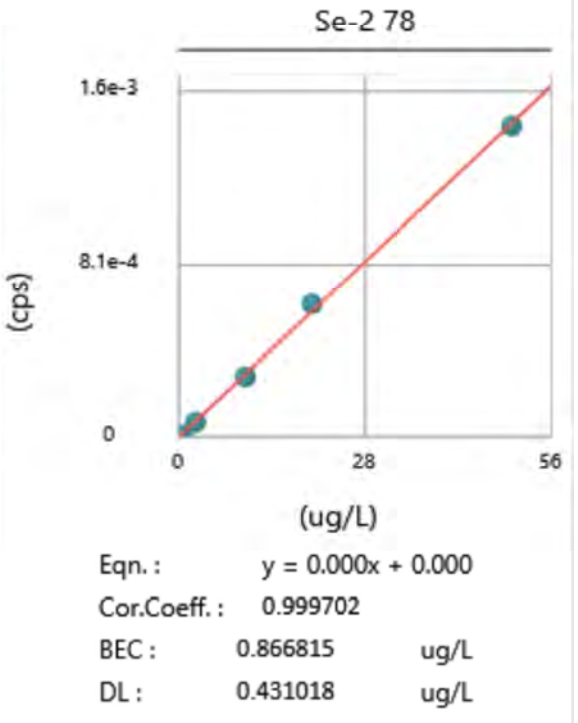
Eqn. :	y = 0.000x + 0.000	
Cor.Coeff. :	0.000000	
BEC :	NaN	ug/L
DL :	NaN	ug/L



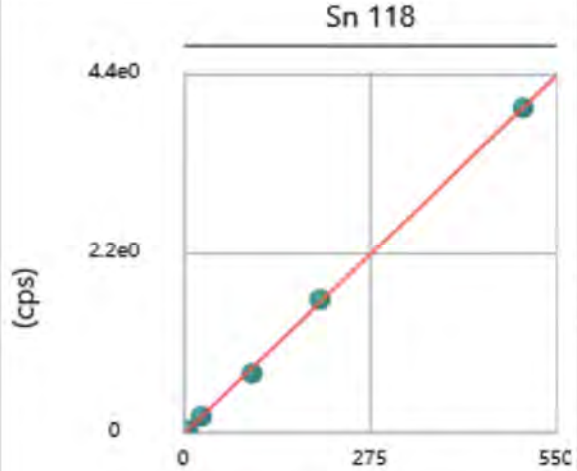
Eqn. :	y = 0.000x + 0.000	
Cor.Coeff. :	0.000000	
BEC :	NaN	mg/L
DL :	NaN	mg/L



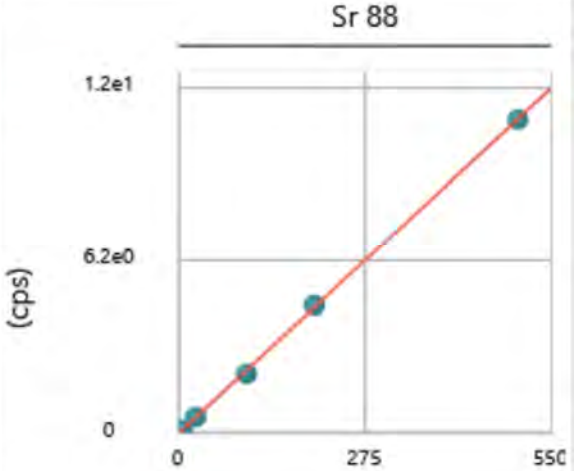
Eqn. :	y = 0.000x + 0.000	
Cor.Coeff. :	0.994057	
BEC :	-0.710695	ug/L
DL :	0.258966	ug/L



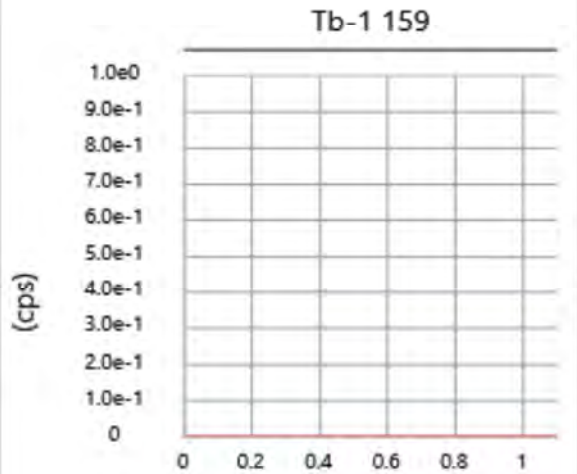
Eqn. :	y = 0.000x + 0.000	
Cor.Coeff. :	0.999702	
BEC :	0.866815	ug/L
DL :	0.431018	ug/L



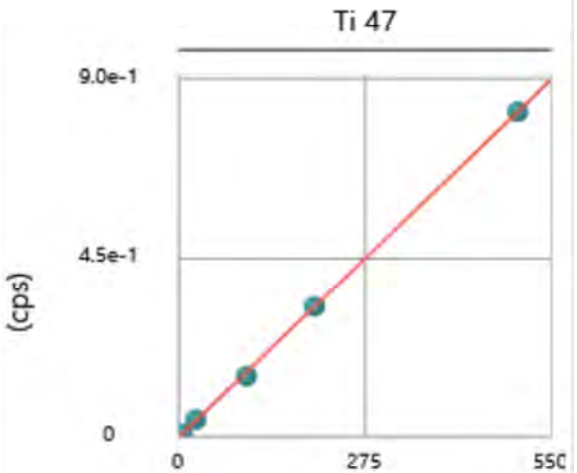
Eqn. : y = 0.008x + 0.000
Cor.Coeff. : 0.999858
BEC : 6.749816 ug/L
DL : 0.787754 ug/L



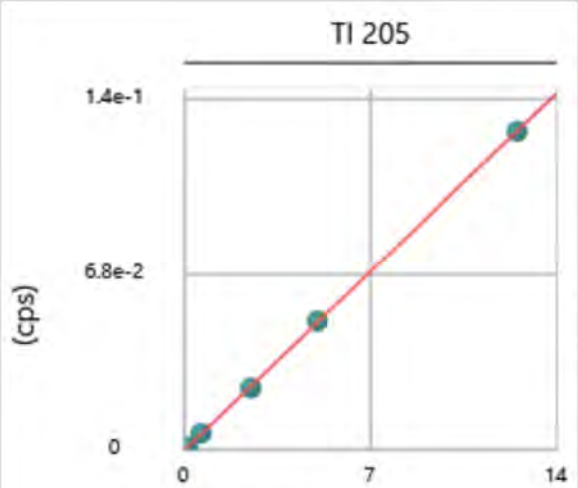
Eqn. : y = 0.023x + 0.000
Cor.Coeff. : 0.999931
BEC : 0.005045 ug/L
DL : 0.001235 ug/L



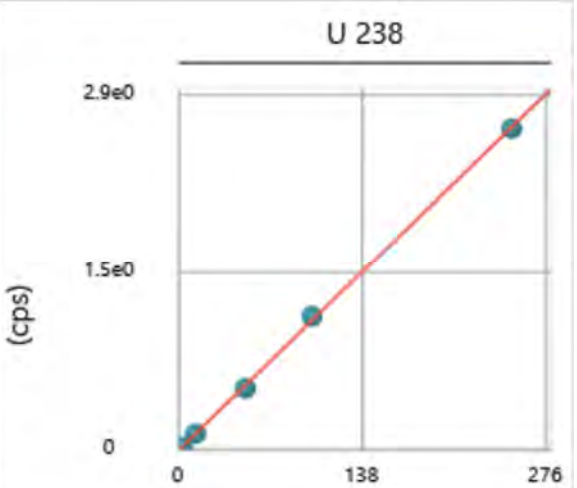
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



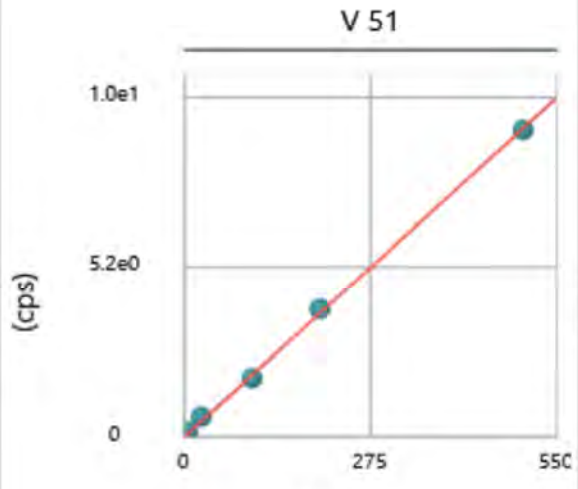
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999932
BEC : 0.058640 ug/L
DL : 0.019167 ug/L



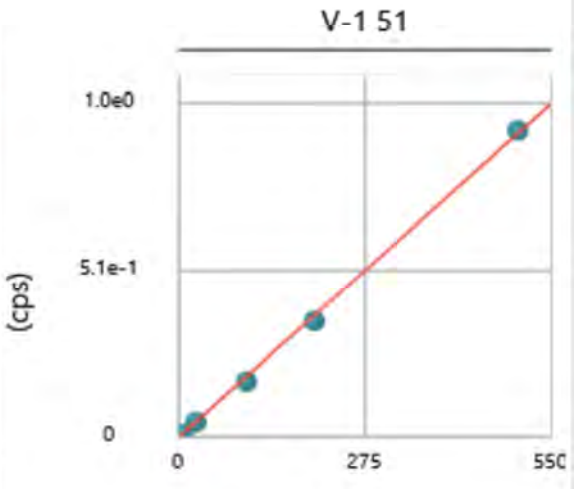
Eqn. : y = 0.010x + 0.000
Cor.Coeff. : 0.999980
BEC : 0.000294 ug/L
DL : 0.000116 ug/L



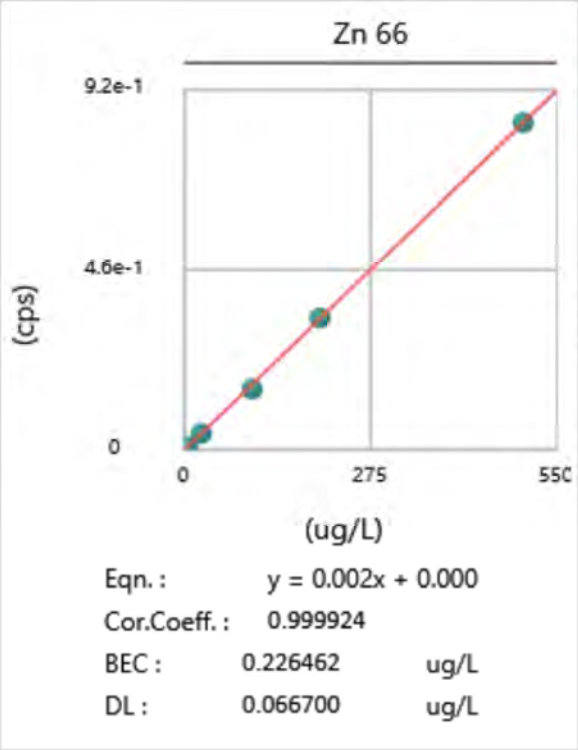
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999894
BEC : 0.000411 ug/L
DL : 0.000749 ug/L

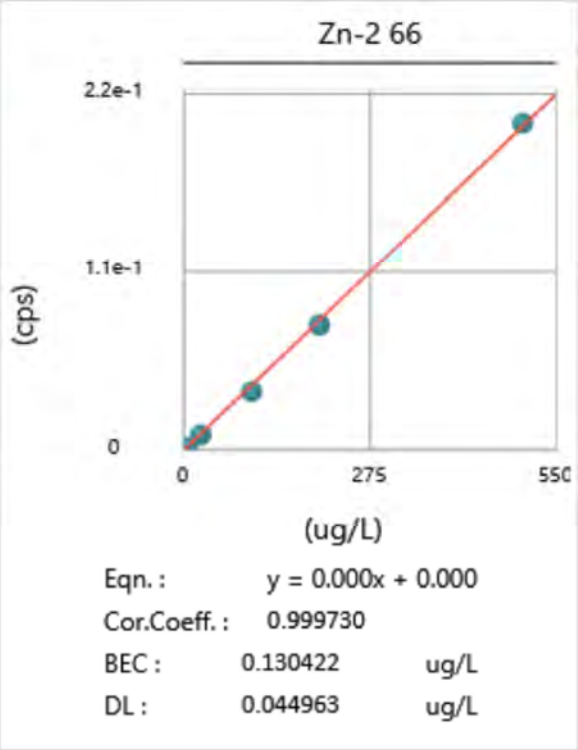


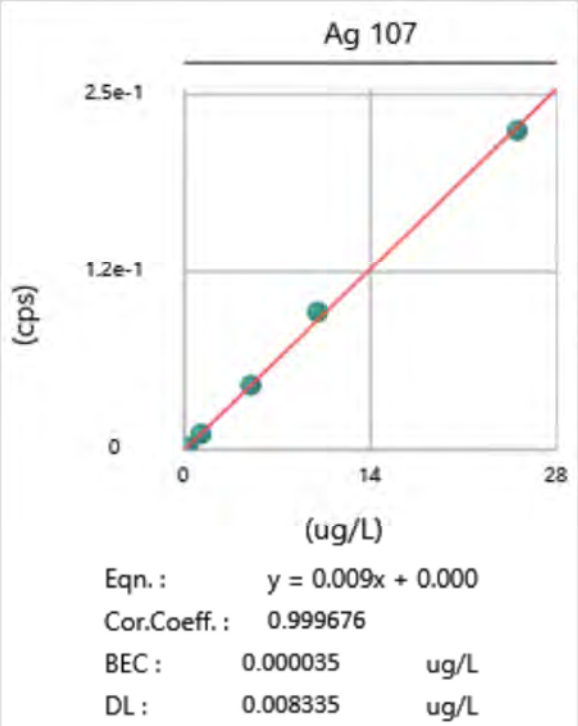
Eqn. : y = 0.019x + 0.000
Cor.Coeff. : 0.999651
BEC : 24.869903 ug/L
DL : 1.763622 ug/L



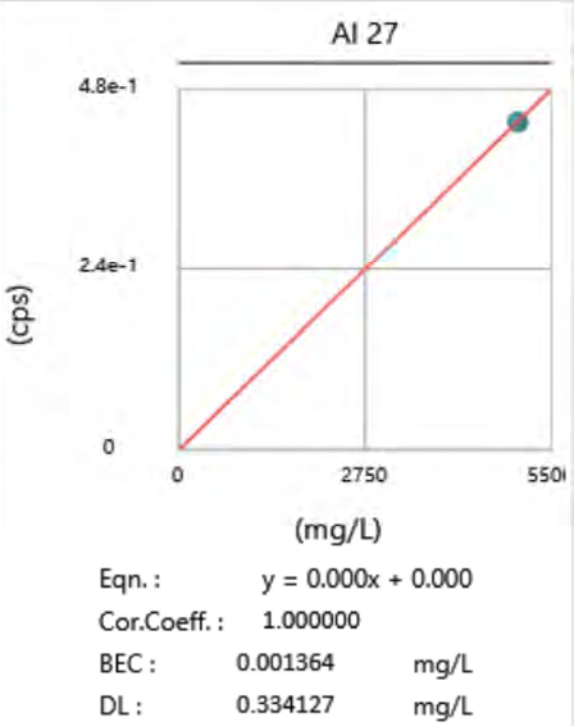
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999697
BEC : 0.197531 ug/L
DL : 0.066889 ug/L


Zn 66
9.2e-1
4.6e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999924
BEC : 0.226462 ug/L
DL : 0.066700 ug/L

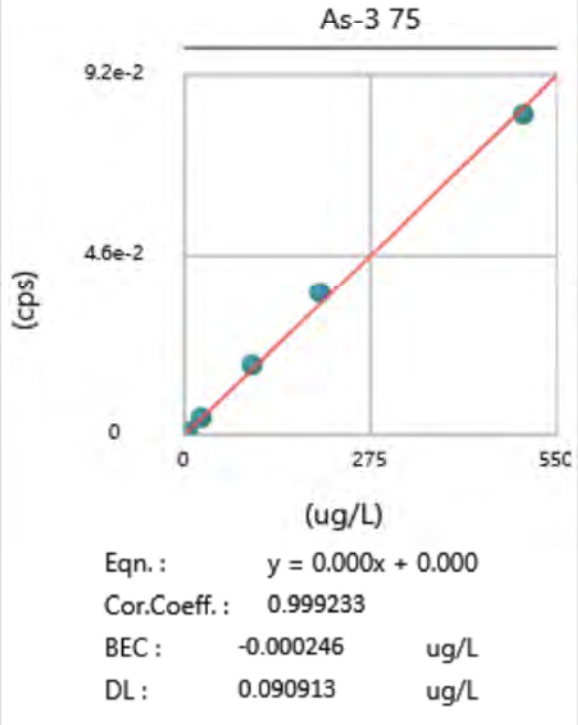

Zn-2 66
2.2e-1
1.1e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999730
BEC : 0.130422 ug/L
DL : 0.044963 ug/L



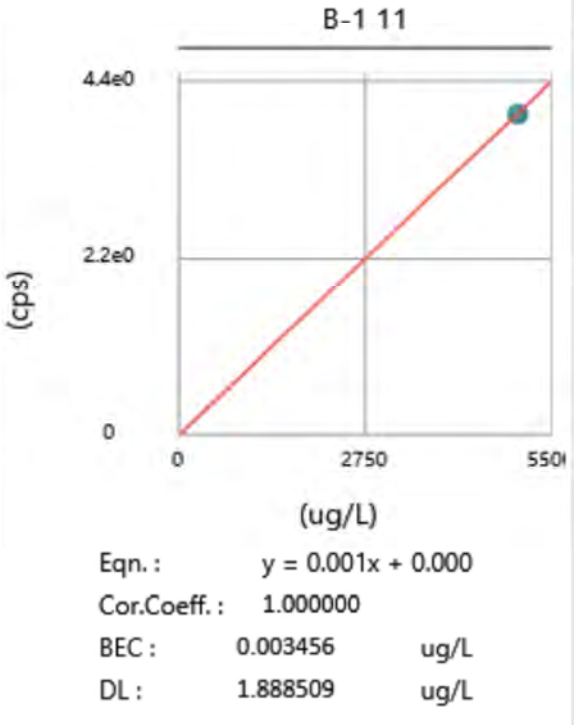
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999676
BEC : 0.000035 ug/L
DL : 0.008335 ug/L



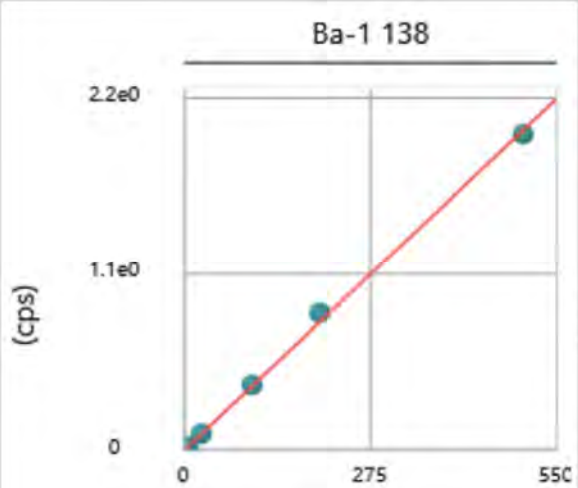
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.001364 mg/L
DL : 0.334127 mg/L



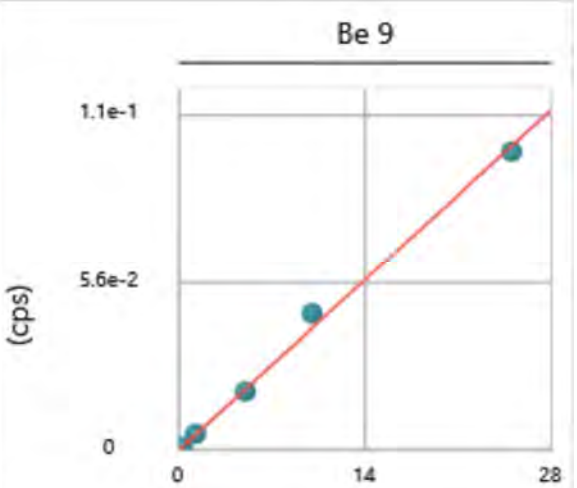
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999233
BEC : -0.000246 ug/L
DL : 0.090913 ug/L



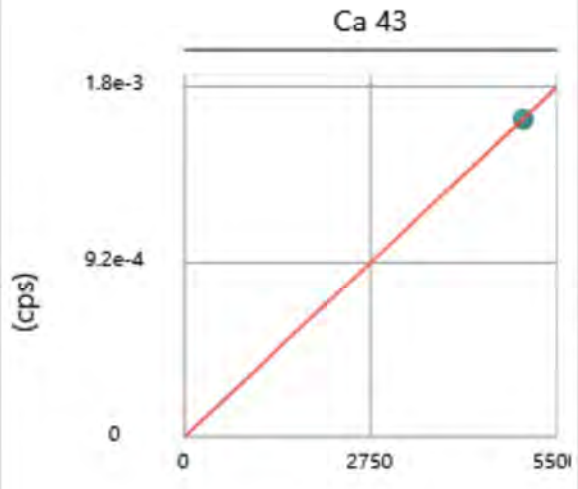
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.003456 ug/L
DL : 1.888509 ug/L



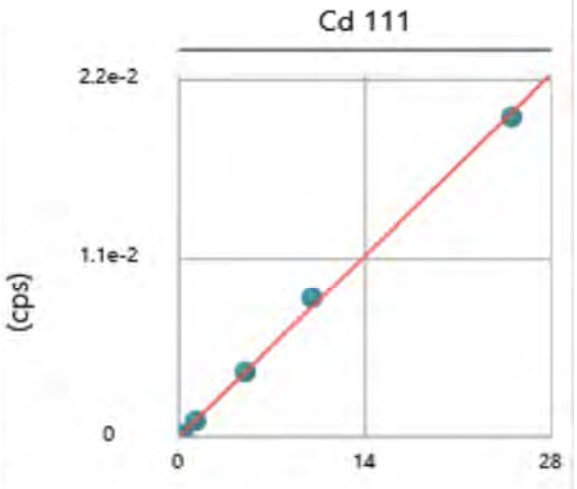
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999610
BEC : 0.000004 mg/L
DL : 0.009496 mg/L



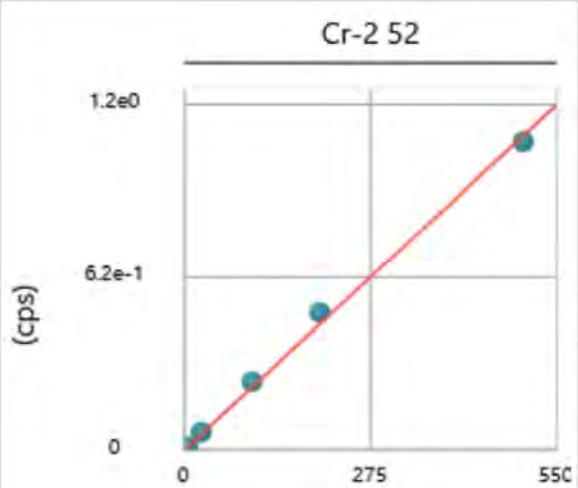
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.998857
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



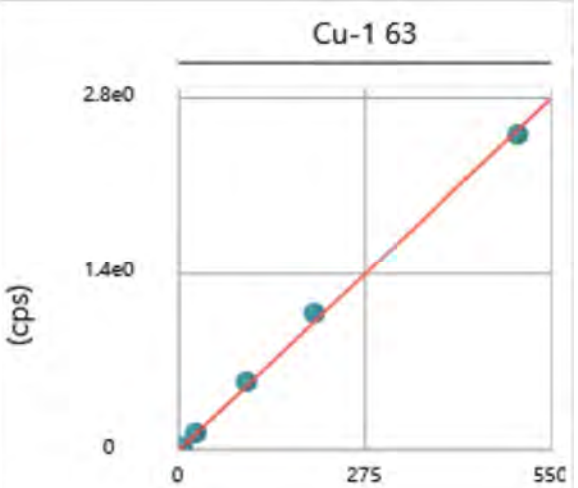
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.041168 mg/L
DL : 28.947348 mg/L



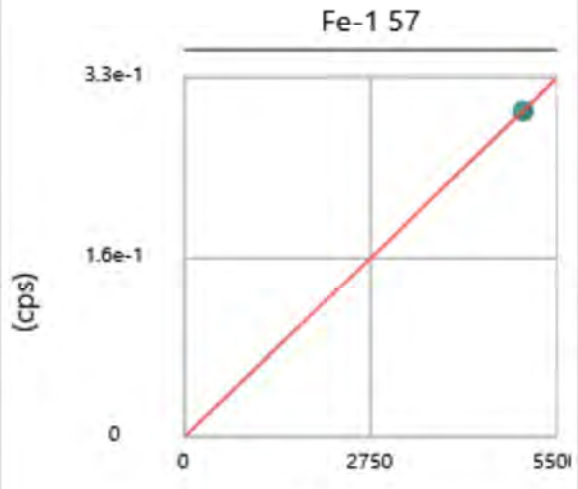
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999589
BEC : 0.000075 mg/L
DL : 0.020831 mg/L



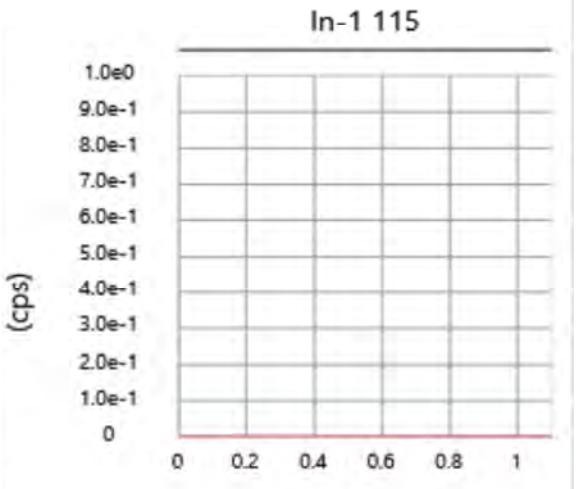
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999166
BEC : -0.000094 ug/L
DL : 0.027737 ug/L



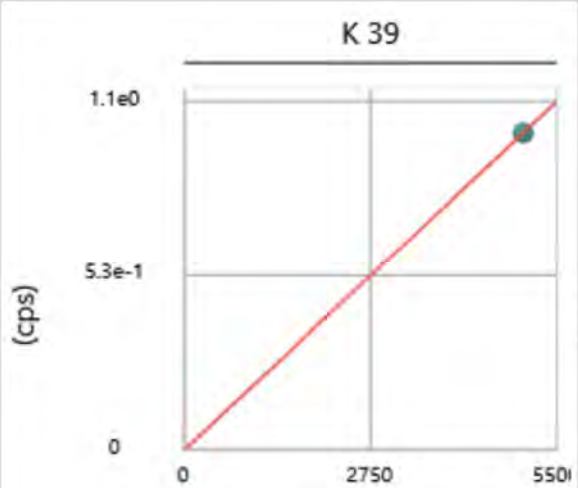
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999546
BEC : 0.000005 ug/L
DL : 0.029985 ug/L



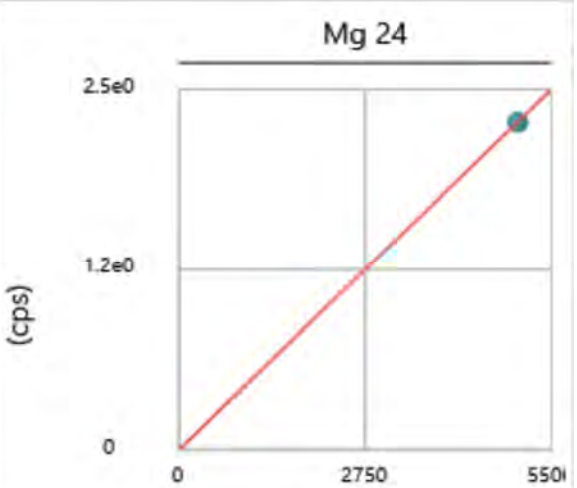
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.005666 ug/L
DL : 1.506419 ug/L



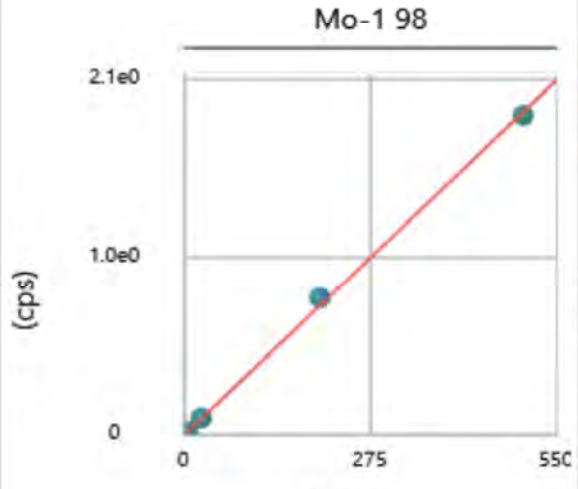
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



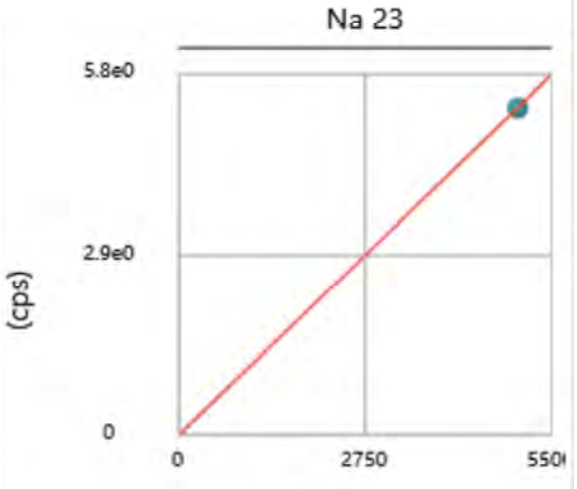
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.086871 mg/L
DL : 21.129821 mg/L



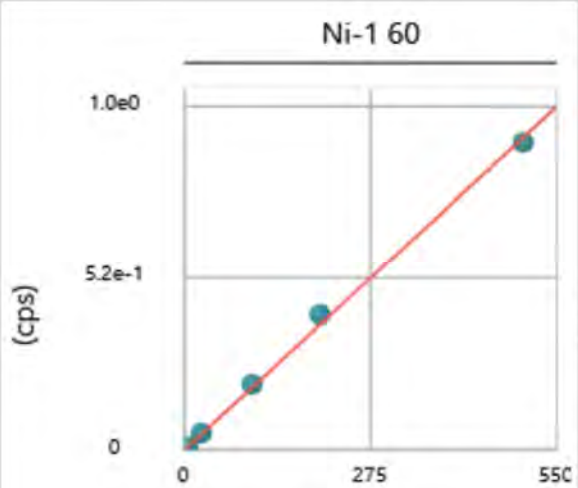
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.000022 mg/L
DL : 0.139625 mg/L



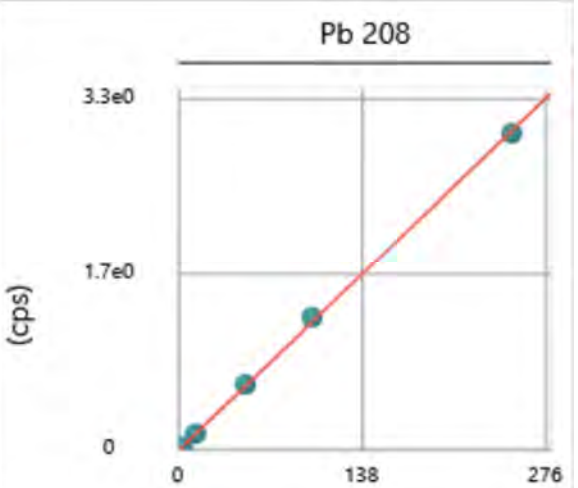
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999695
BEC : -0.000034 ug/L
DL : 0.007969 ug/L



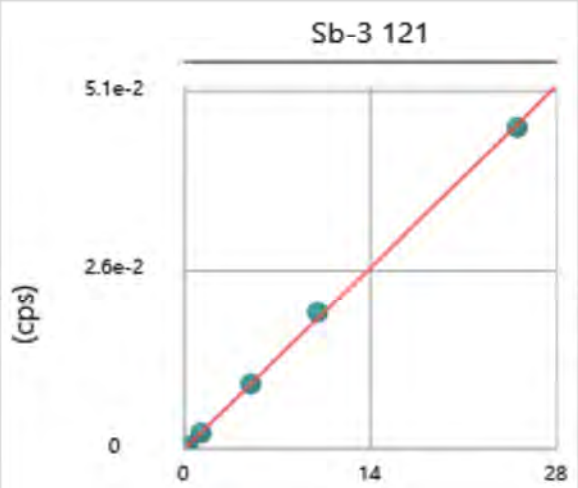
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000671 mg/L
DL : 0.162623 mg/L



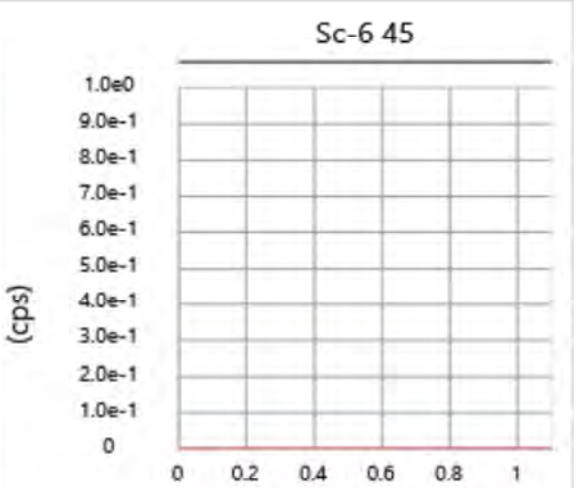
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999415
BEC : 0.000199 ug/L
DL : 0.052528 ug/L



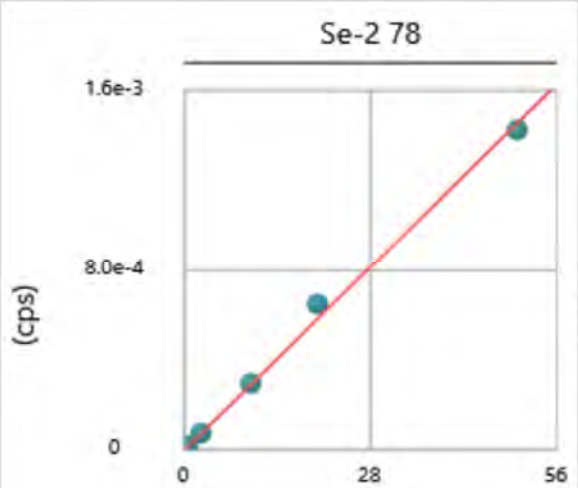
Eqn. : y = 0.012x + 0.000
Cor.Coeff. : 0.999868
BEC : 0.000025 ug/L
DL : 0.006232 ug/L



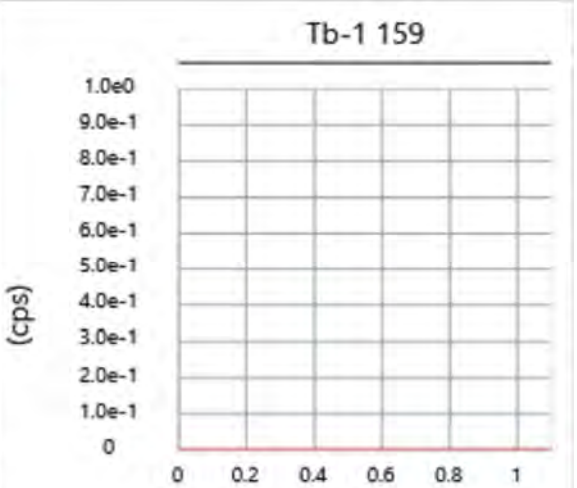
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999796
BEC : 0.000014 ug/L
DL : 0.005050 ug/L



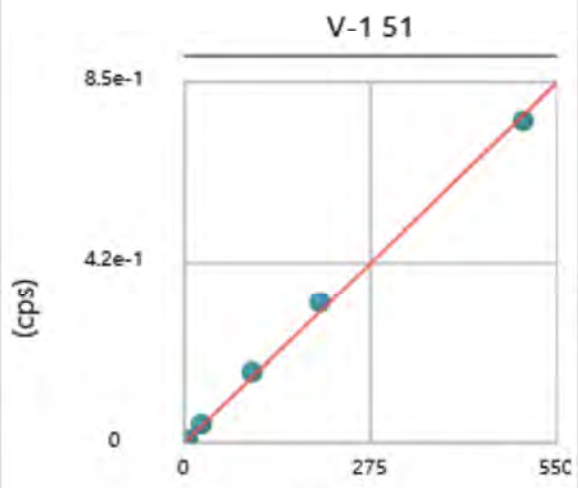
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN mg/L
DL : NaN mg/L



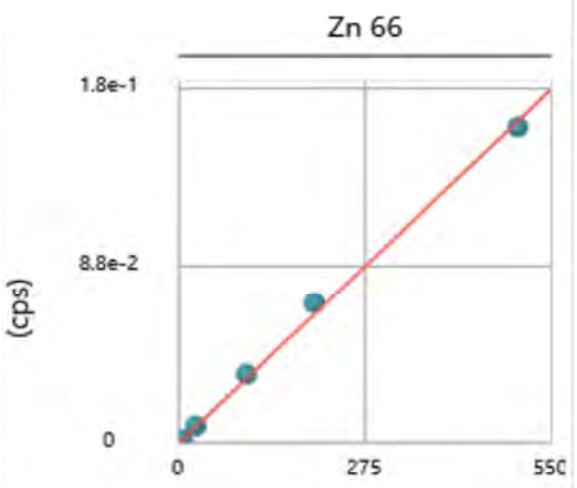
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.998942
BEC : 0.000354 ug/L
DL : 0.250860 ug/L



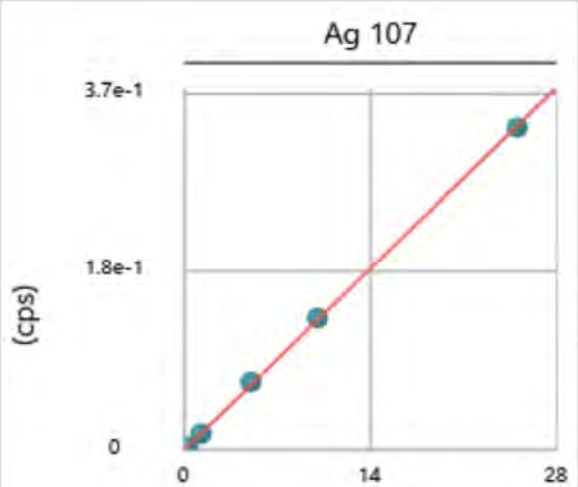
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



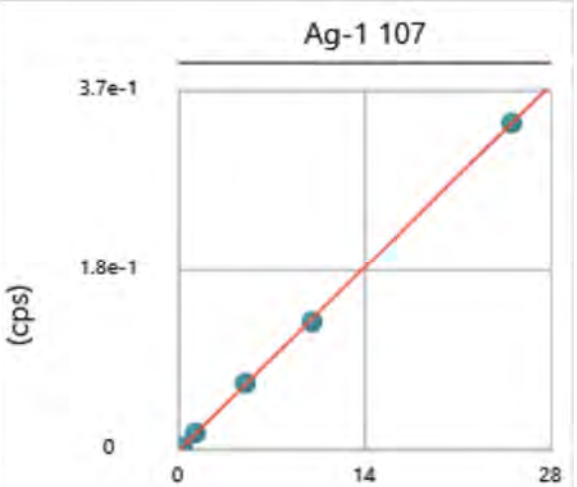
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999382
BEC : -0.000077 ug/L
DL : 0.073279 ug/L



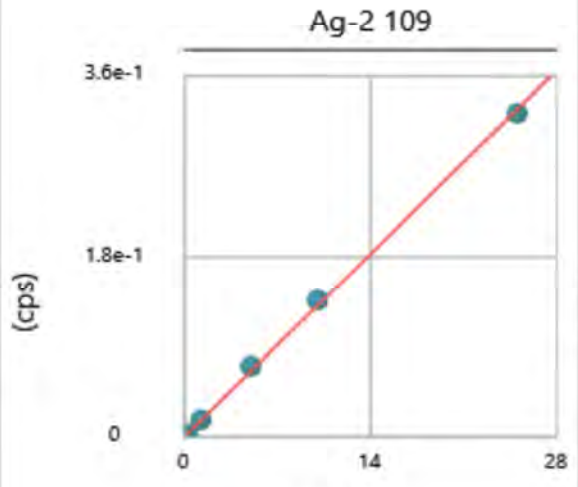
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999266
BEC : -0.001220 ug/L
DL : 0.302158 ug/L



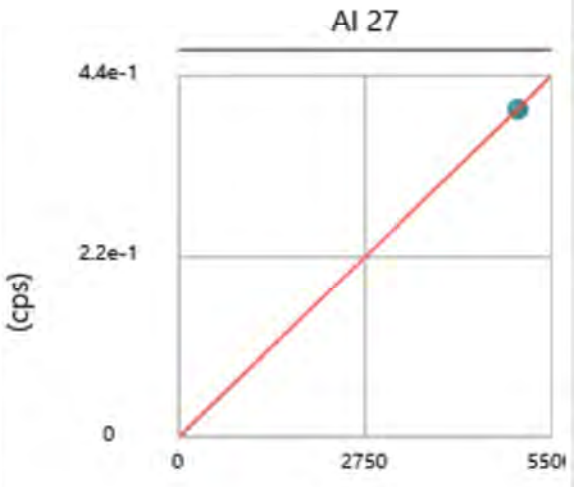
Eqn. : y = 0.013x + 0.000
Cor.Coeff. : 0.999930
BEC : 0.019746 ug/L
DL : 0.000585 ug/L



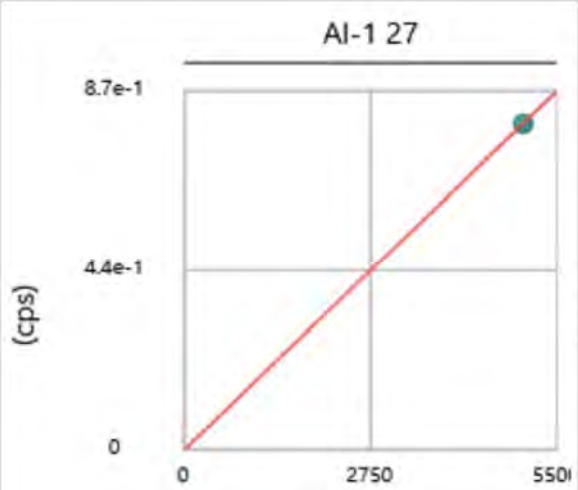
Eqn. : y = 0.013x + 0.000
Cor.Coeff. : 0.999957
BEC : 0.017024 ug/L
DL : 0.005085 ug/L



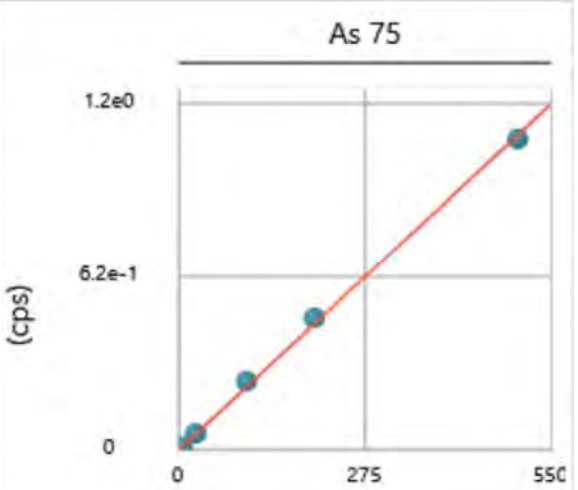
Eqn. : y = 0.013x + 0.000
Cor.Coeff. : 0.999704
BEC : 0.017420 ug/L
DL : 0.002456 ug/L



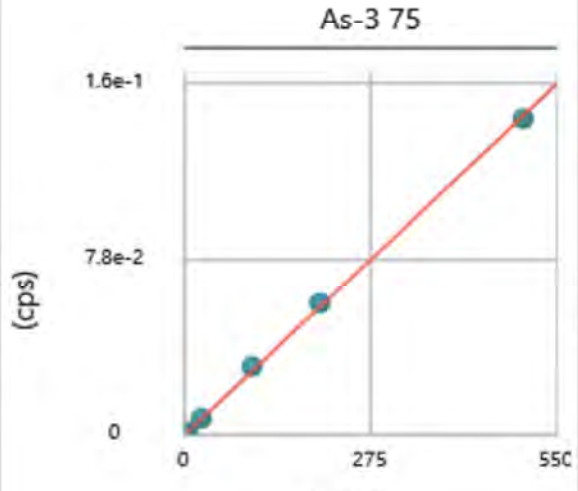
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.121994 ug/L
DL : 0.166481 ug/L



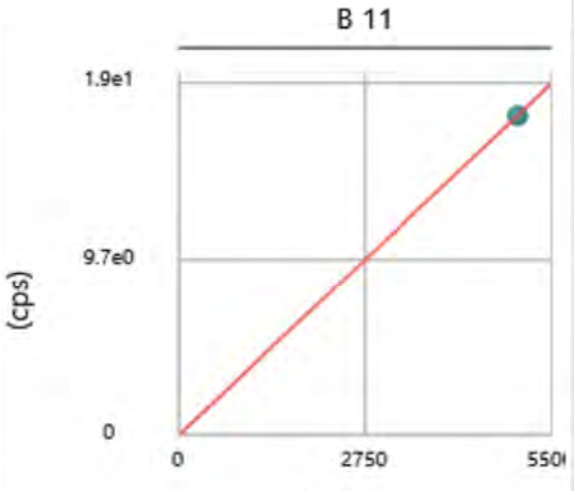
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.075486 mg/L
DL : 0.009352 mg/L



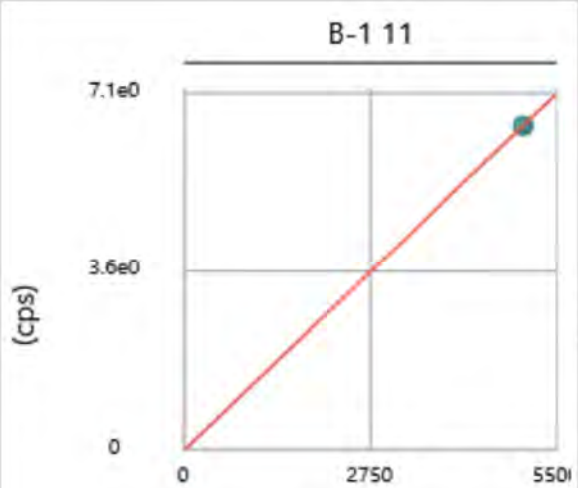
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999635
BEC : -0.691514 ug/L
DL : 0.909403 ug/L



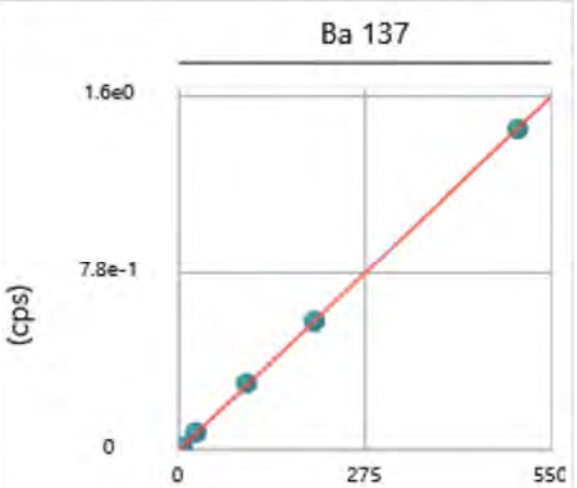
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999797
BEC : 0.050048 ug/L
DL : 0.105721 ug/L



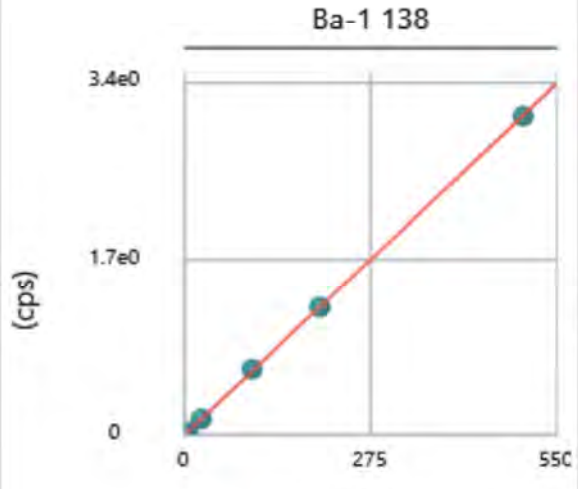
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.169644 ug/L
DL : 0.019331 ug/L



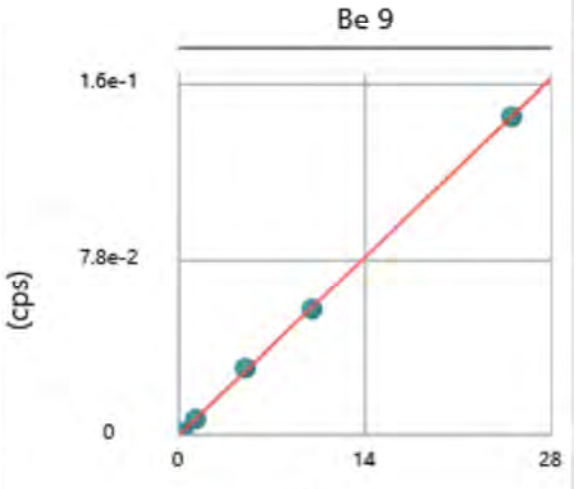
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.053198 ug/L
DL : 0.276427 ug/L



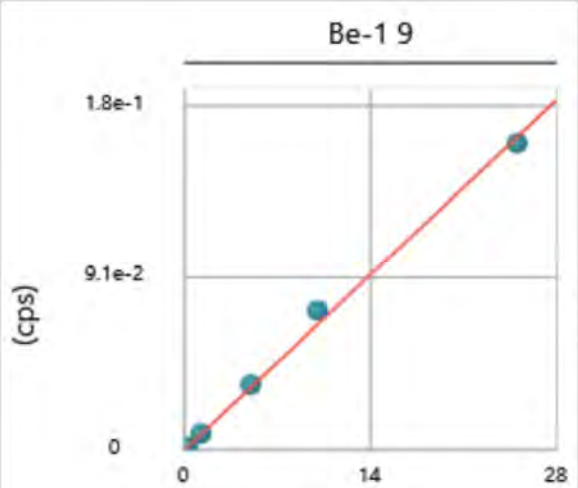
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999962
BEC : 0.007796 ug/L
DL : 0.001345 ug/L



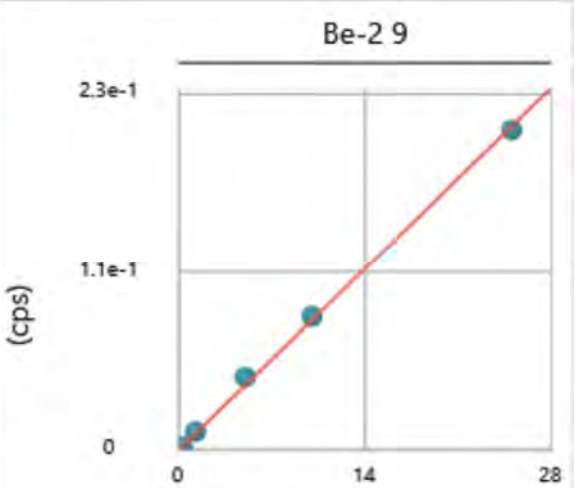
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999979
BEC : 0.007654 mg/L
DL : 0.010869 mg/L



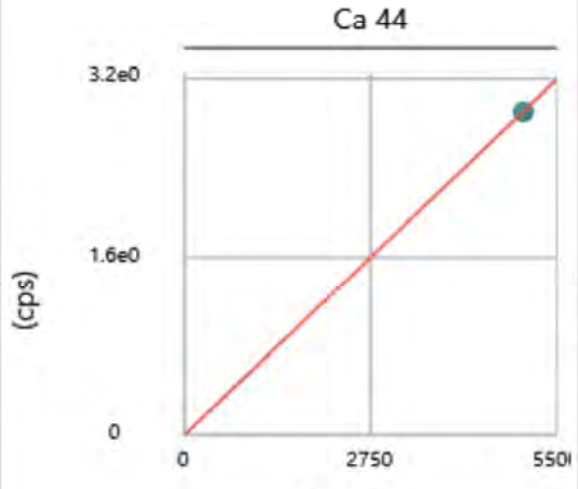
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999940
BEC : 0.000179 ug/L
DL : 0.000362 ug/L



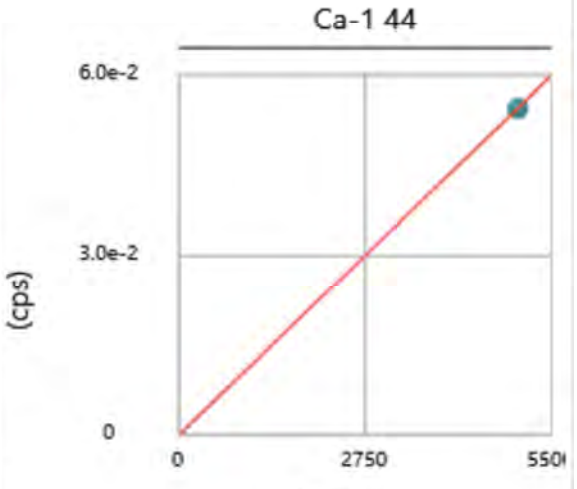
Eqn. : y = 0.007x + 0.000
Cor.Coeff. : 0.998971
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



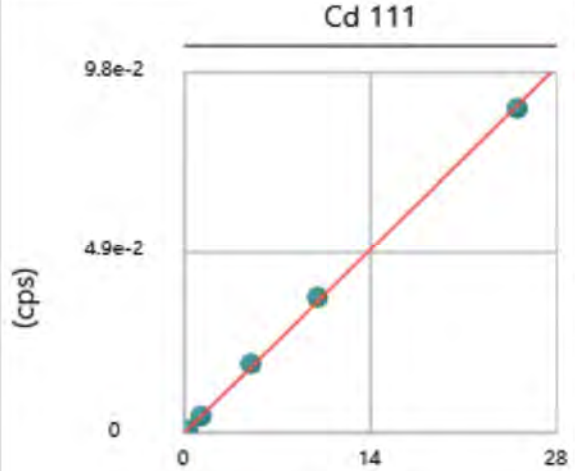
Eqn. : y = 0.008x + 0.000
Cor.Coeff. : 0.999590
BEC : 0.000211 ug/L
DL : 0.000444 ug/L



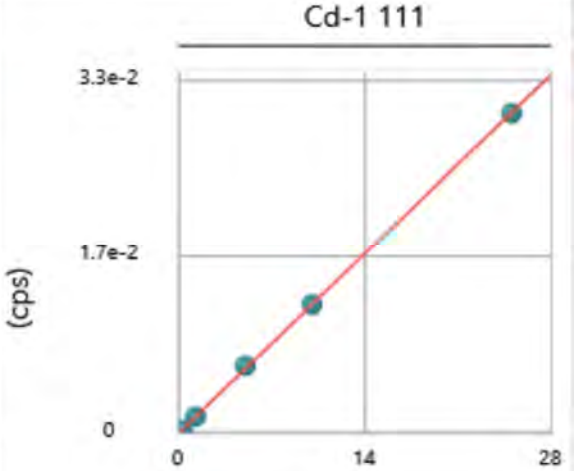
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 23.758432 ug/L
DL : 1.858455 ug/L



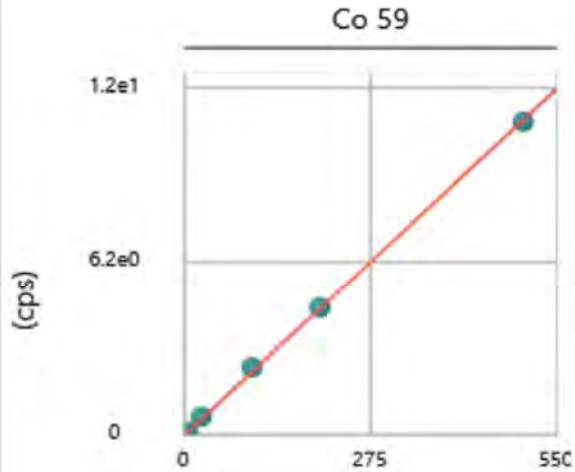
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 2.949970 mg/L
DL : 0.365453 mg/L



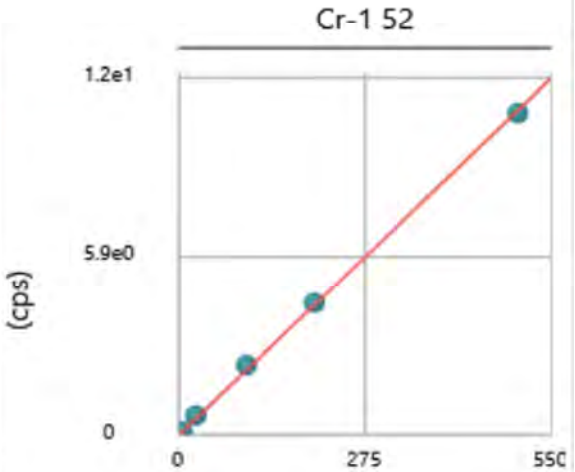
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999837
BEC : 0.001279 ug/L
DL : 0.001558 ug/L



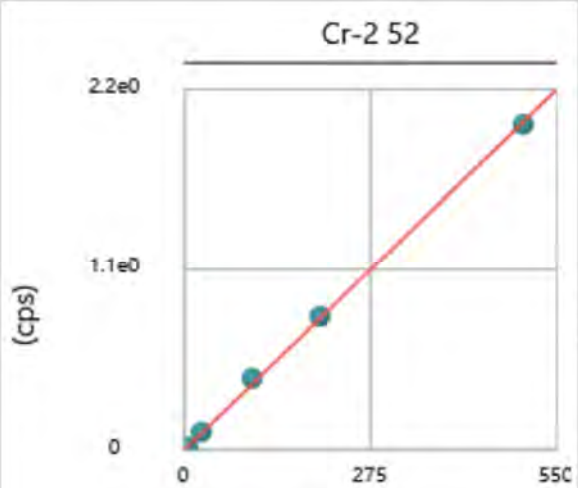
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999953
BEC : 0.036009 mg/L
DL : 0.028249 mg/L



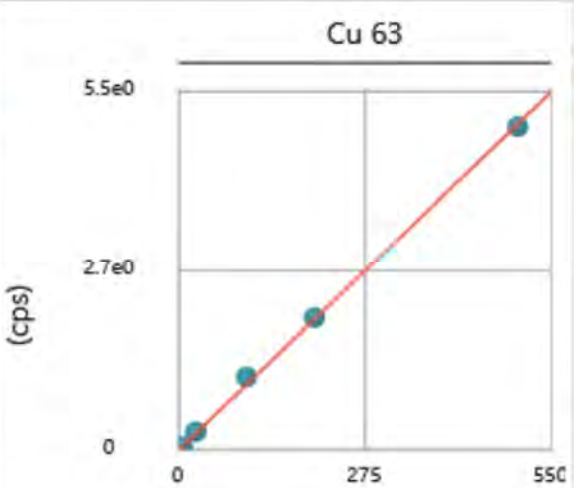
Eqn. : y = 0.023x + 0.000
Cor.Coeff. : 0.999858
BEC : 0.003563 ug/L
DL : 0.000654 ug/L



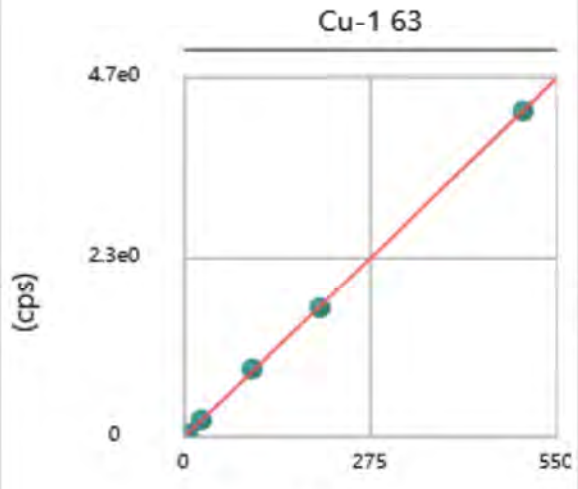
Eqn. : y = 0.022x + 0.000
Cor.Coeff. : 0.999797
BEC : 3.368350 ug/L
DL : 0.299371 ug/L



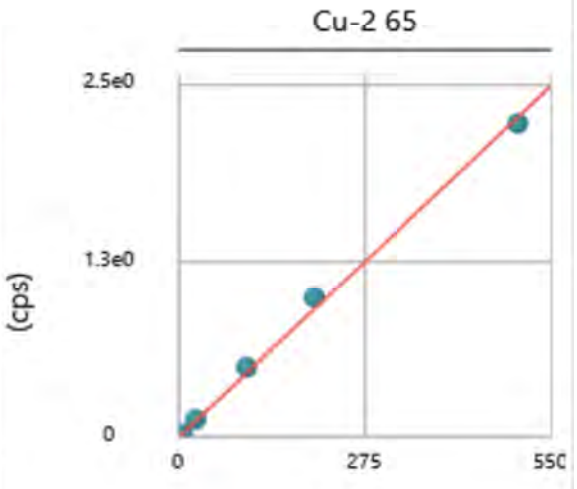
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999797
BEC : 0.086530 ug/L
DL : 0.065164 ug/L



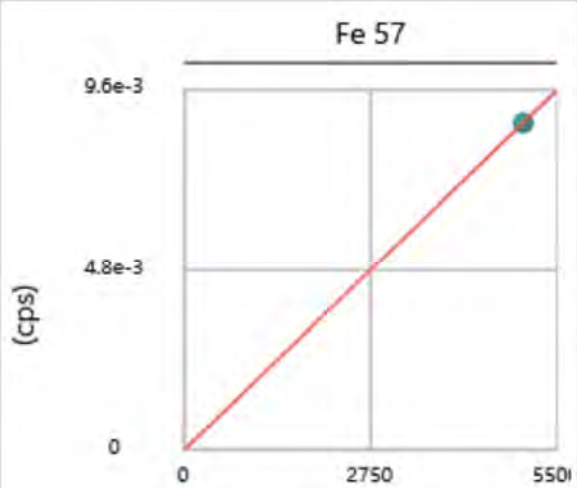
Eqn. : y = 0.010x + 0.000
Cor.Coeff. : 0.999694
BEC : 0.217379 ug/L
DL : 0.032327 ug/L



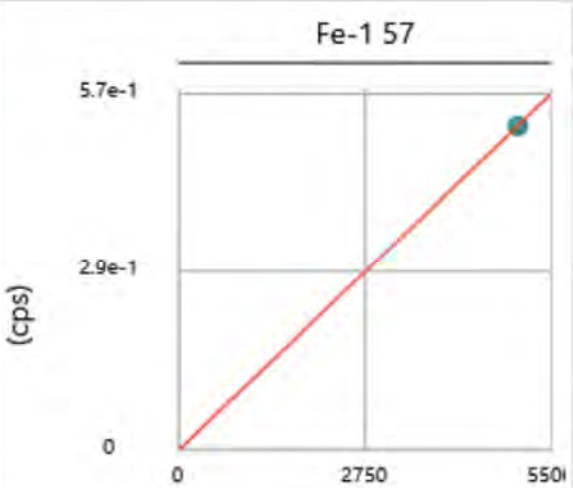
Eqn. : y = 0.008x + 0.000
Cor.Coeff. : 0.999952
BEC : 0.017974 ug/L
DL : 0.021484 ug/L



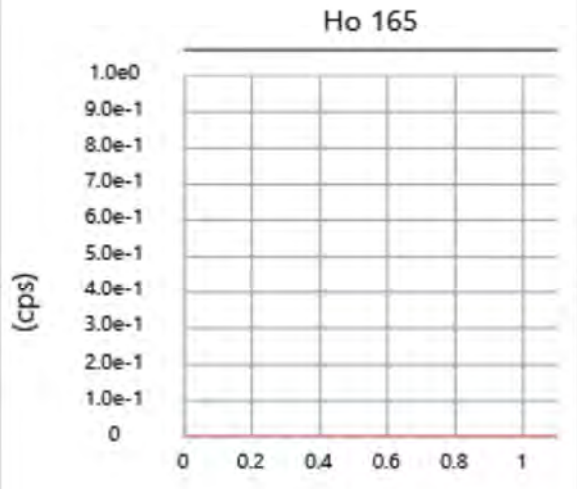
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999157
BEC : 0.032904 ug/L
DL : 0.008835 ug/L



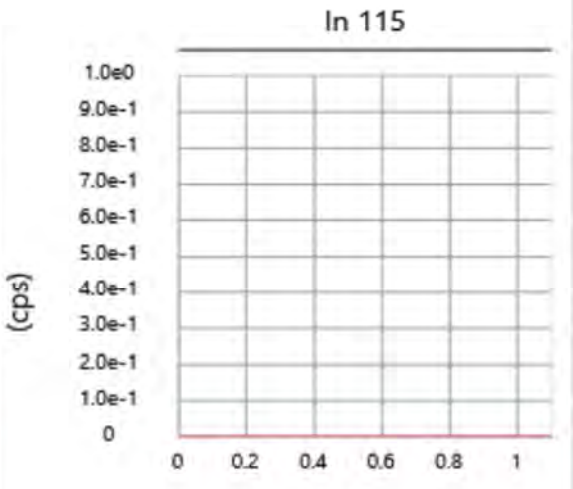
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 27.522096 ug/L
DL : 20.646667 ug/L



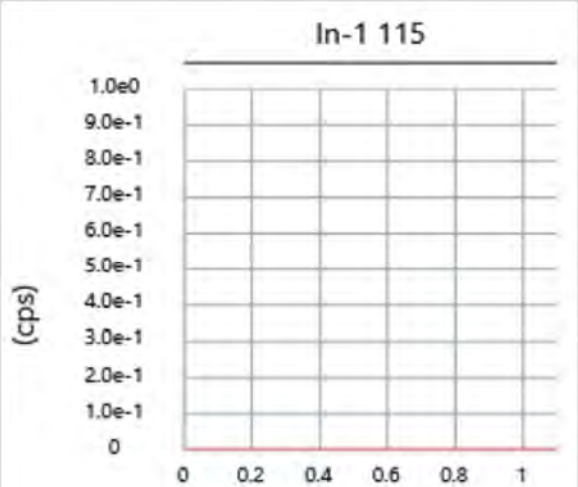
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.424615 ug/L
DL : 0.863086 ug/L



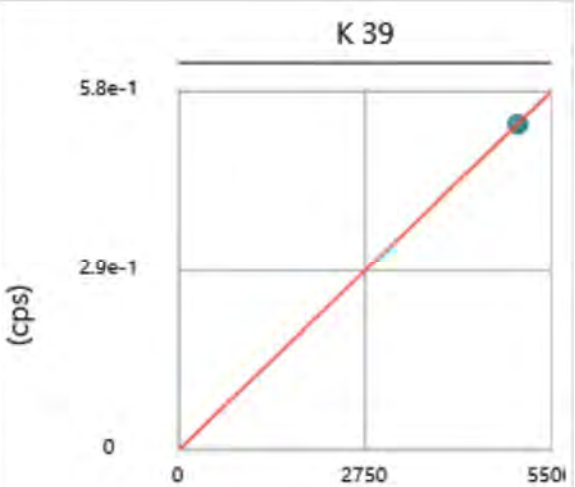
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



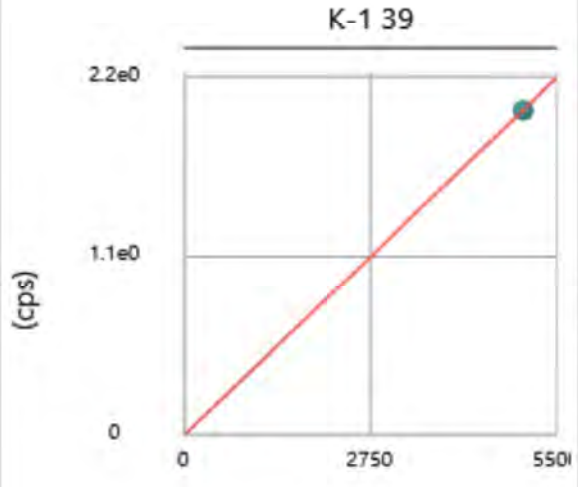
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



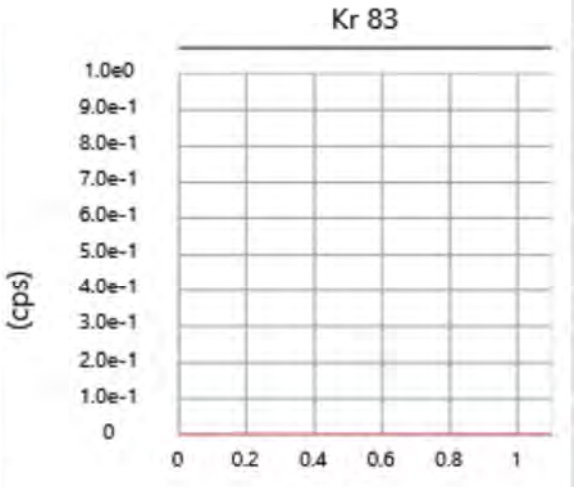
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



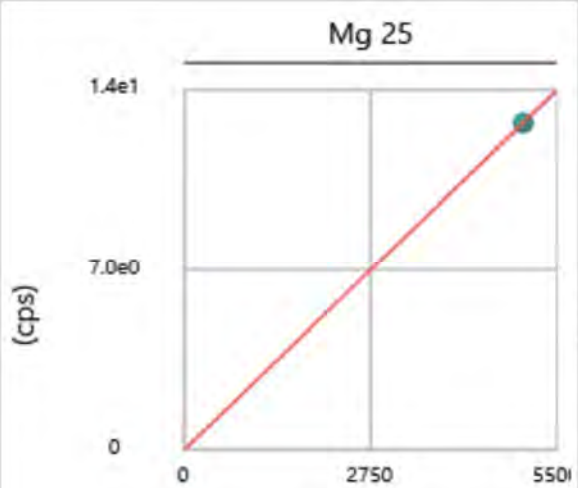
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 37.475457 ug/L
DL : 1.470841 ug/L



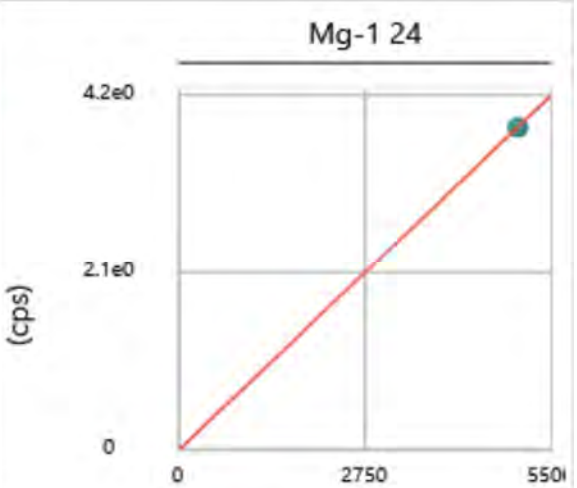
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 65.003356 mg/L
DL : 11.390696 mg/L



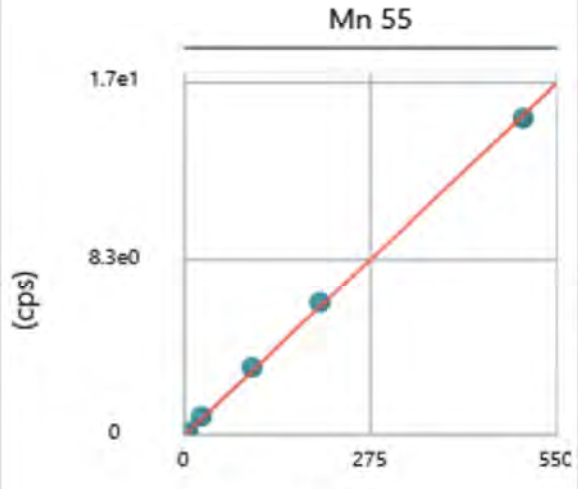
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



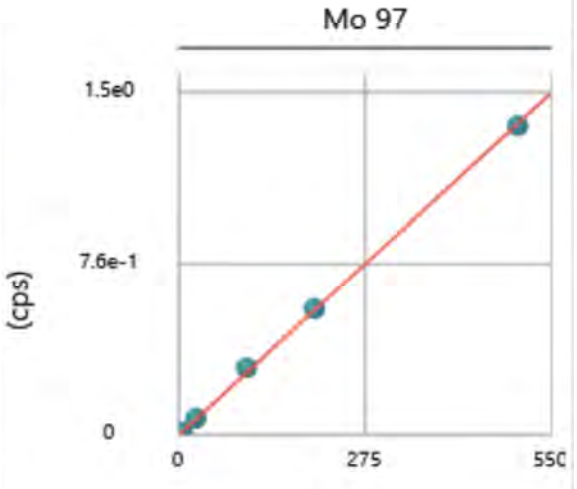
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.117020 ug/L
DL : 0.021301 ug/L



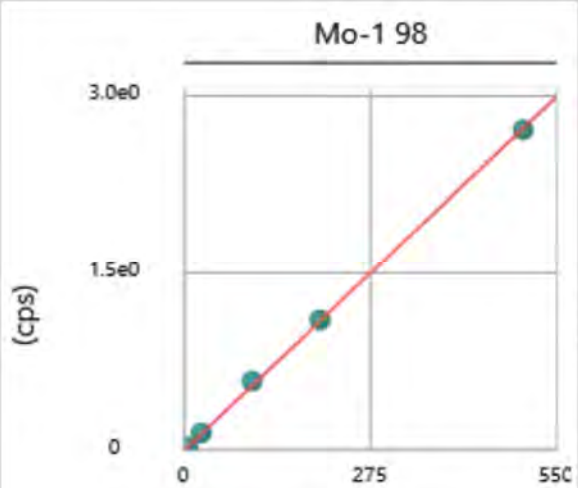
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.078148 mg/L
DL : 0.047682 mg/L



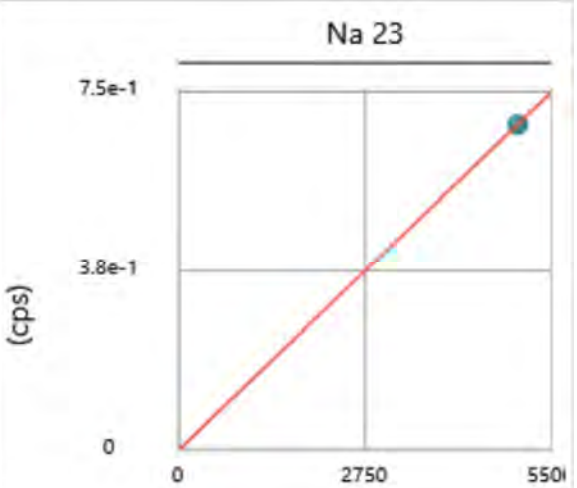
Eqn. : y = 0.030x + 0.000
Cor.Coeff. : 0.999791
BEC : 0.100409 ug/L
DL : 0.011916 ug/L



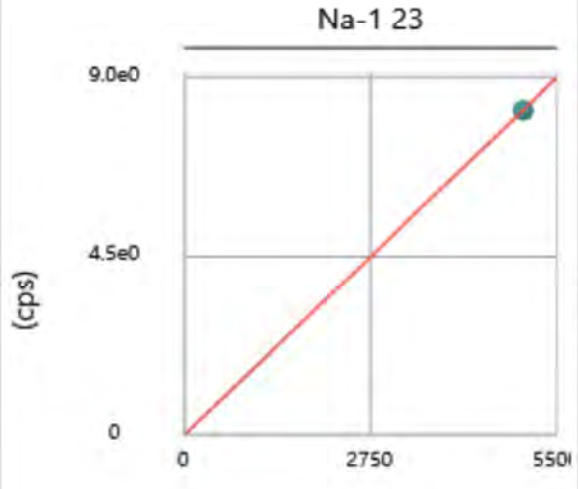
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999845
BEC : 0.017647 ug/L
DL : 0.003200 ug/L



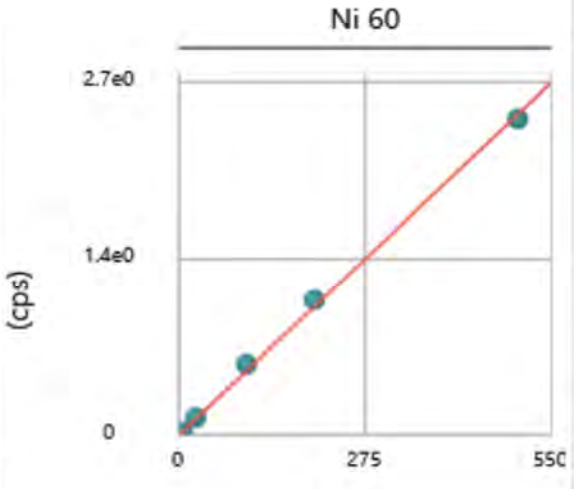
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999888
BEC : 0.014668 ug/L
DL : 0.011139 ug/L



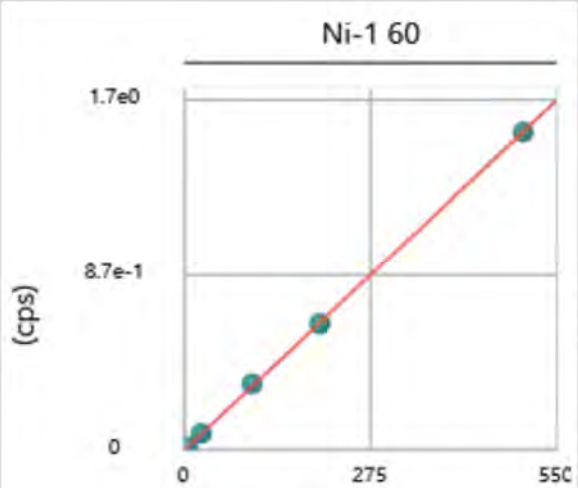
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 7.687308 ug/L
DL : 0.858145 ug/L



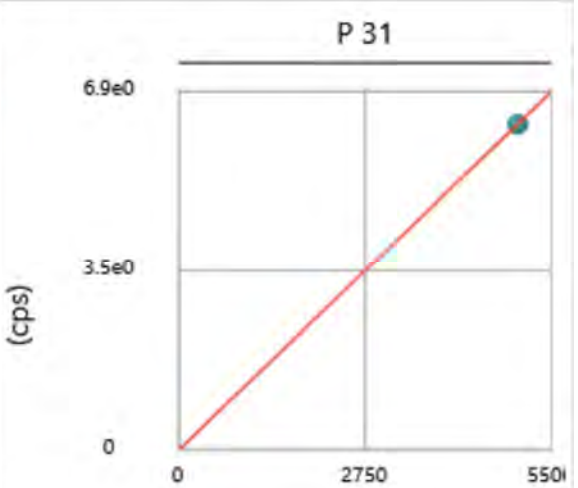
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 6.408967 mg/L
DL : 1.426569 mg/L



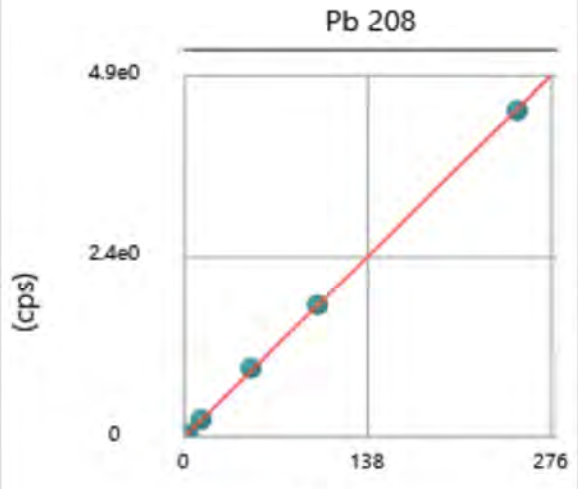
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999548
BEC : 0.093208 ug/L
DL : 0.036678 ug/L



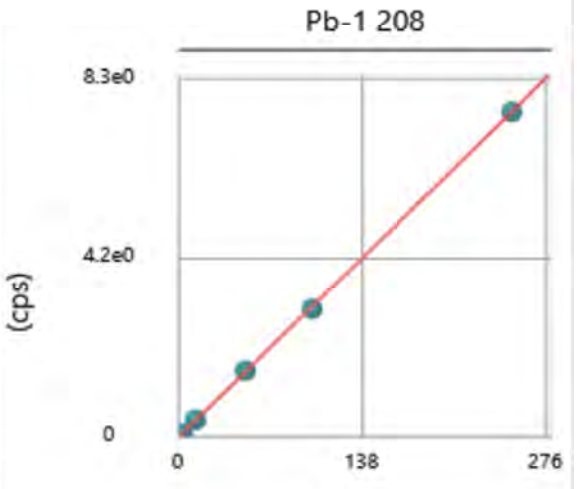
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999963
BEC : 0.045070 ug/L
DL : 0.035611 ug/L



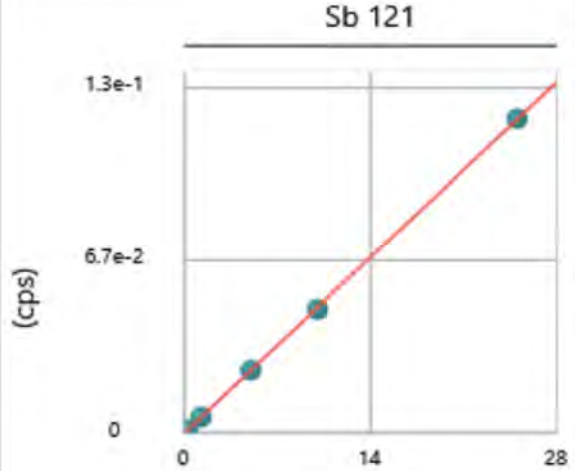
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 34.290145 ug/L
DL : 3.654912 ug/L



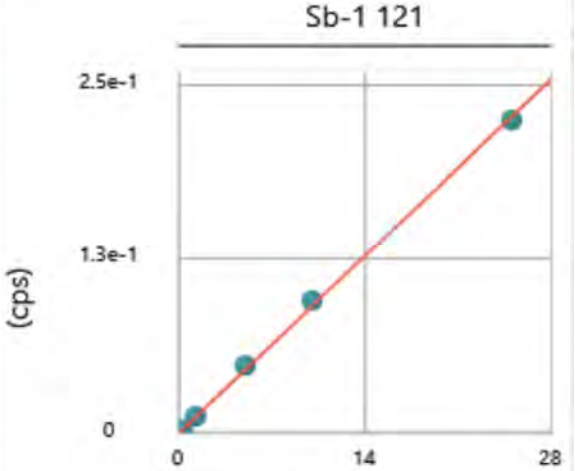
Eqn. : y = 0.018x + 0.000
Cor.Coeff. : 0.999942
BEC : 0.015836 ug/L
DL : 0.003020 ug/L



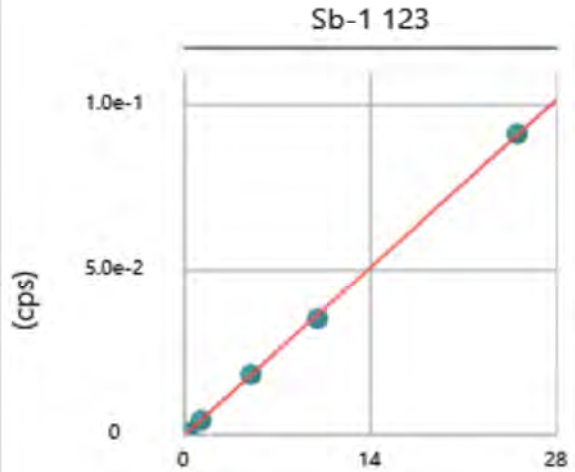
Eqn. : y = 0.030x + 0.000
Cor.Coeff. : 0.999969
BEC : 0.016452 ug/L
DL : 0.005649 ug/L



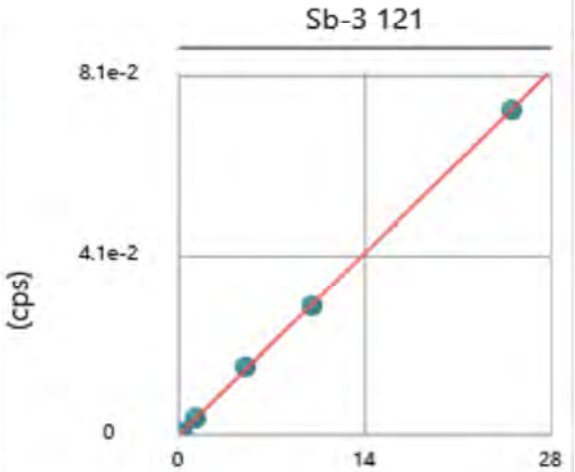
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999983
BEC : 0.002765 ug/L
DL : 0.000632 ug/L



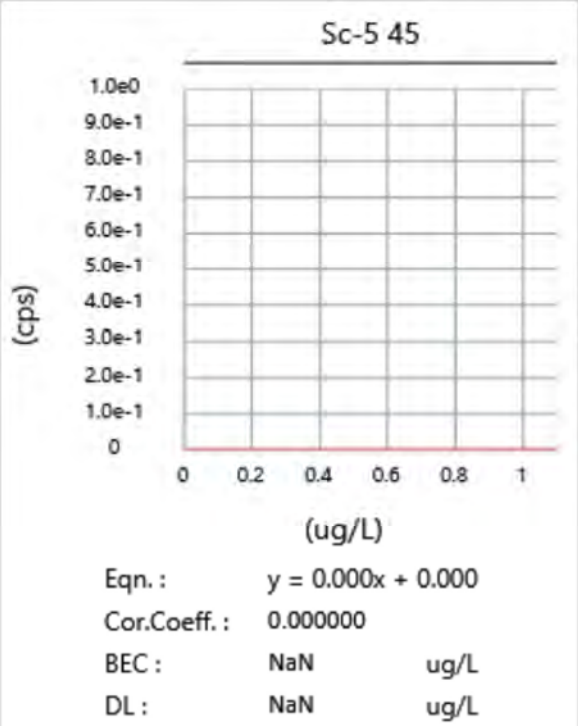
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999740
BEC : 0.002762 ug/L
DL : 0.000841 ug/L



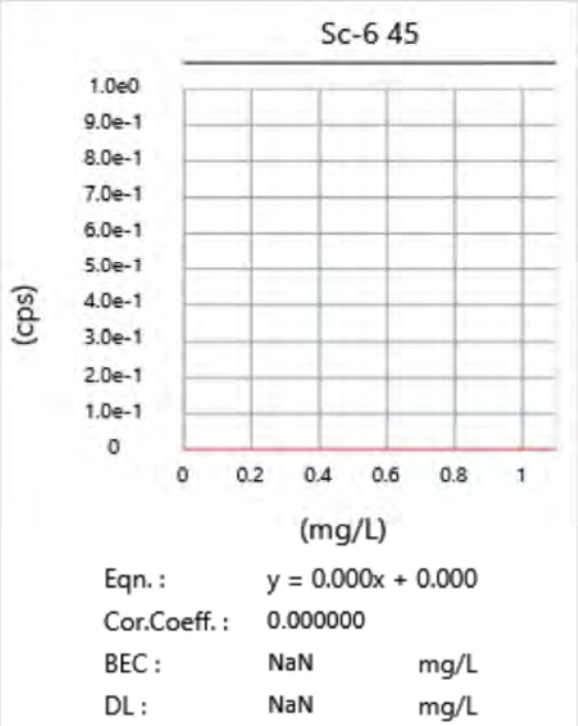
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999912
BEC : 0.002658 ug/L
DL : 0.000739 ug/L



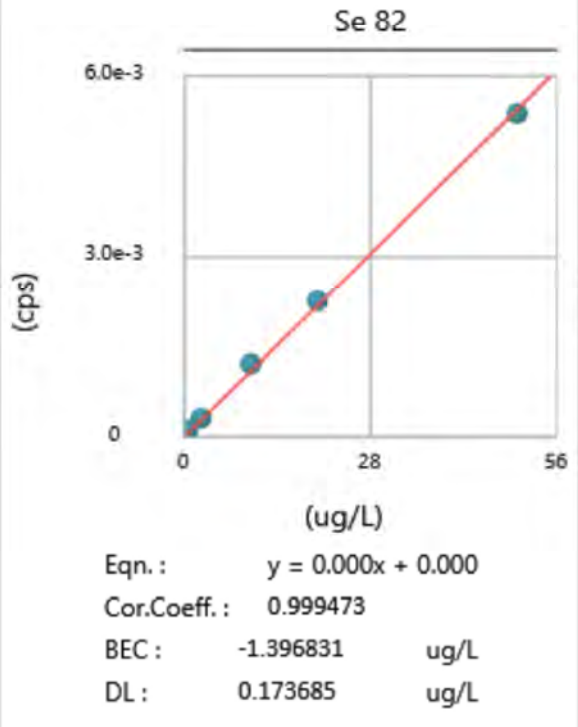
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999949
BEC : 0.004954 ug/L
DL : 0.007973 ug/L



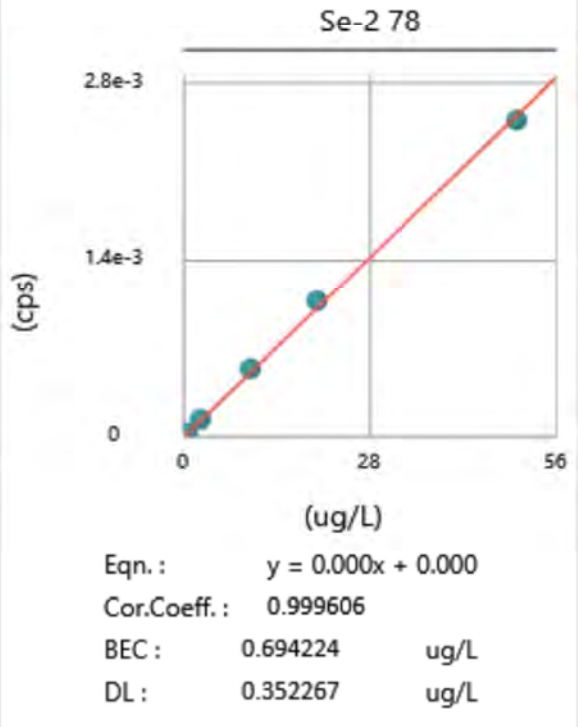
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



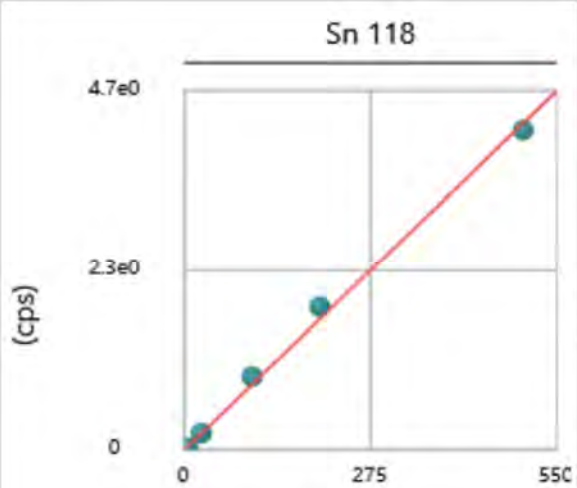
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN mg/L
DL : NaN mg/L



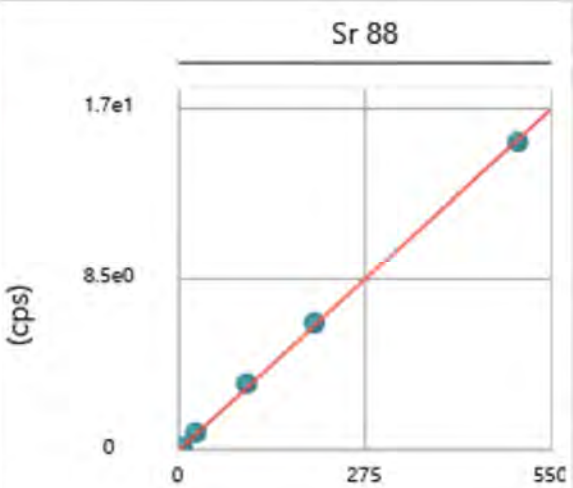
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999473
BEC : -1.396831 ug/L
DL : 0.173685 ug/L



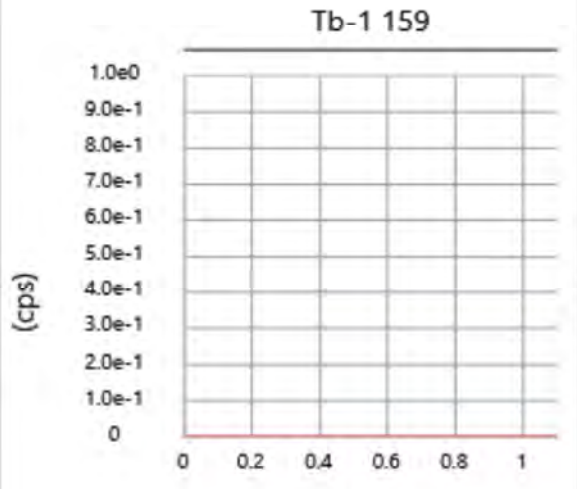
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999606
BEC : 0.694224 ug/L
DL : 0.352267 ug/L



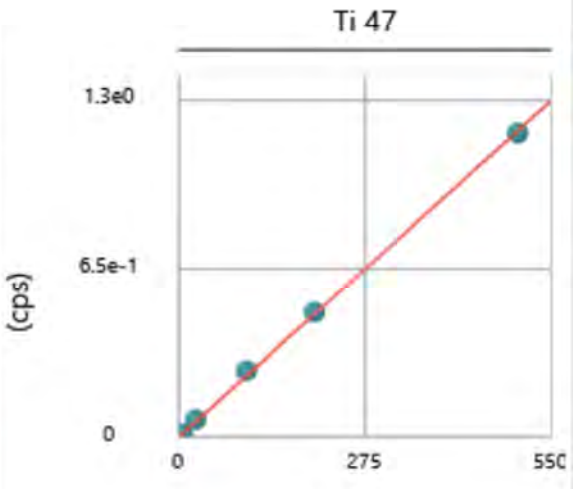
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.998982
BEC : 1.693934 ug/L
DL : 0.139758 ug/L



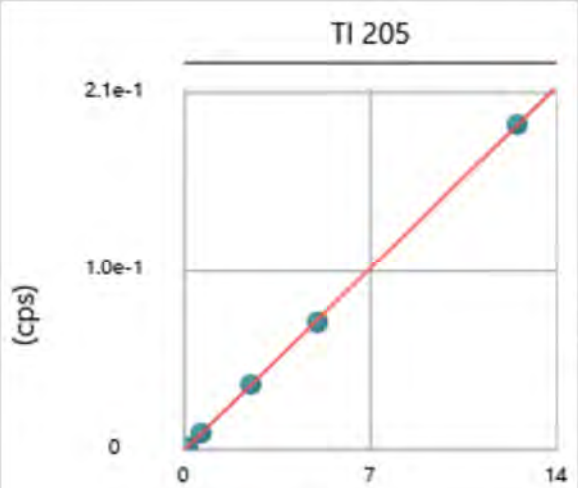
Eqn. : y = 0.031x + 0.000
Cor.Coeff. : 0.999837
BEC : 0.003887 ug/L
DL : 0.001722 ug/L



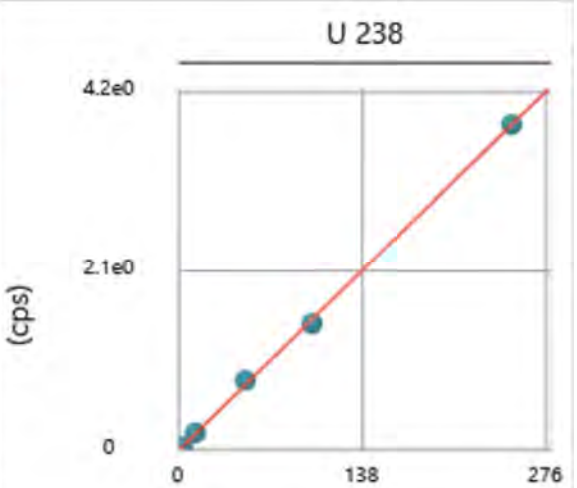
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



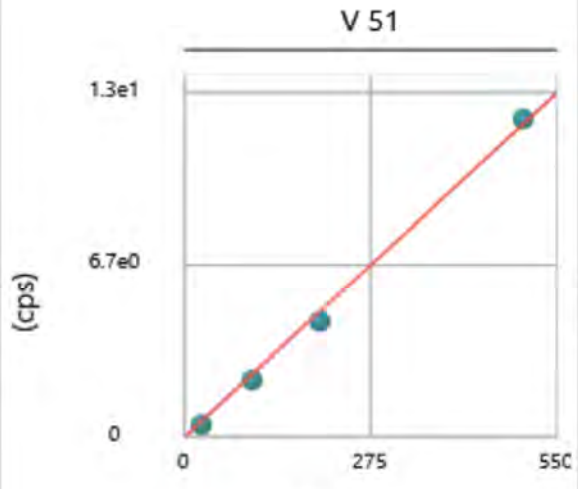
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999815
BEC : 0.068123 ug/L
DL : 0.007538 ug/L



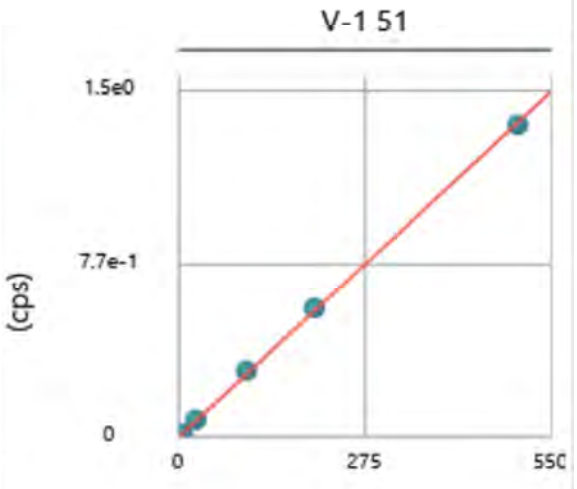
Eqn. : y = 0.015x + 0.000
Cor.Coeff. : 0.999969
BEC : 0.000587 ug/L
DL : 0.000749 ug/L



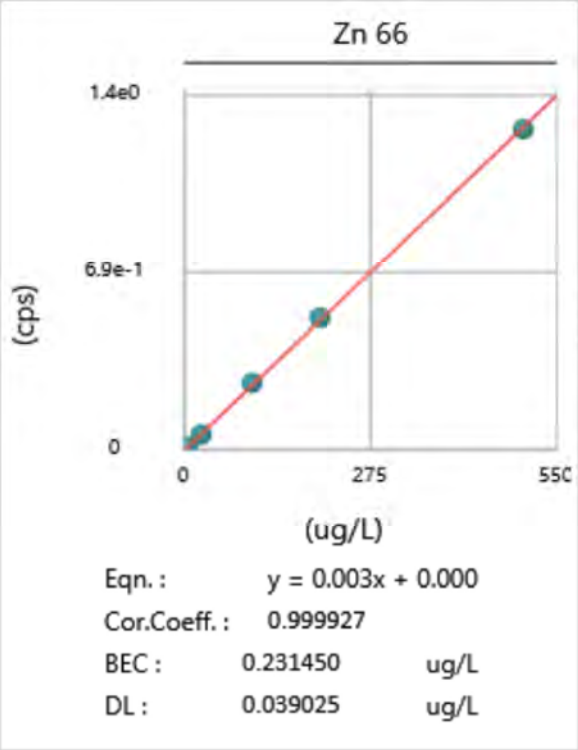
Eqn. : y = 0.015x + 0.000
Cor.Coeff. : 0.999850
BEC : 0.000111 ug/L
DL : 0.000336 ug/L

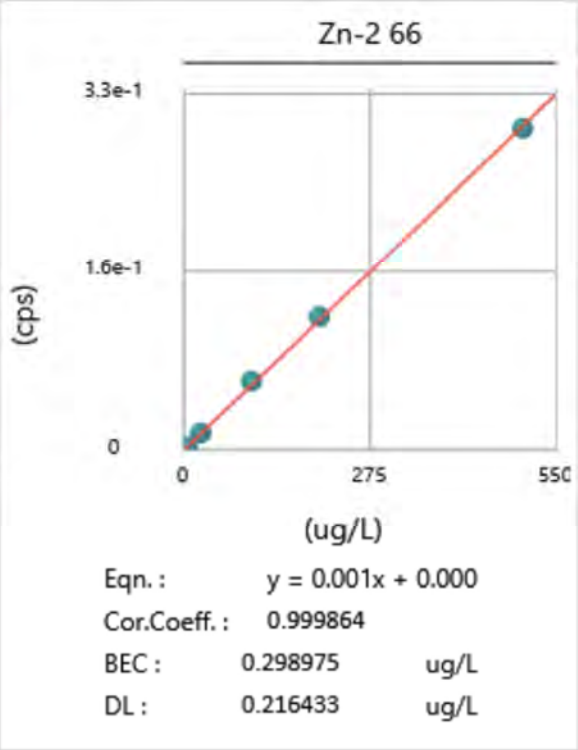


Eqn. : y = 0.024x + 0.000
Cor.Coeff. : 0.998644
BEC : 53.450771 ug/L
DL : 7.199773 ug/L



Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999871
BEC : 0.329111 ug/L
DL : 0.116480 ug/L


Zn 66
1.4e0
6.9e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999927
BEC : 0.231450 ug/L
DL : 0.039025 ug/L


Zn-2 66
3.3e-1
1.6e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999864
BEC : 0.298975 ug/L
DL : 0.216433 ug/L

Tunes

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 10/22/2021 8:36:15 AM
End Time: 10/22/2021 8:38:39 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 12702.31
Obtained Intensity (Mg 24): 39790.14
Obtained Intensity (In 115): 68321.80
Obtained Intensity (U 238): 52528.67
Obtained Intensity (Bkgd 220): 0.10
Obtained Formula (CeO 156 / Ce 140): 0.022 (=1419.00 / 63354.80)
Obtained Formula (Ce++ 70 / Ce 140): 0.014 (=864.76 / 63354.80)
Obtained RSD (Be 9): 0.0105
Obtained RSD (Mg 24): 0.0121
Obtained RSD (In 115): 0.0094
Obtained RSD (U 238): 0.0112

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 10/22/2021 8:36:15 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 12702.31
Obtained Intensity (Mg 24): 39790.14
Obtained Intensity (In 115): 68321.80
Obtained Intensity (U 238): 52528.67
Obtained Intensity (Bkgd 220): 0.10
Obtained Formula (CeO 156 / Ce 140): 0.022 (=1419.00 / 63354.80)
Obtained Formula (Ce++ 70 / Ce 140): 0.014 (=864.76 / 63354.80)
Obtained RSD (Be 9): 0.0105
Obtained RSD (Mg 24): 0.0121
Obtained RSD (In 115): 0.0094
Obtained RSD (U 238): 0.0112

[Passed] Optimum value(s): N/A

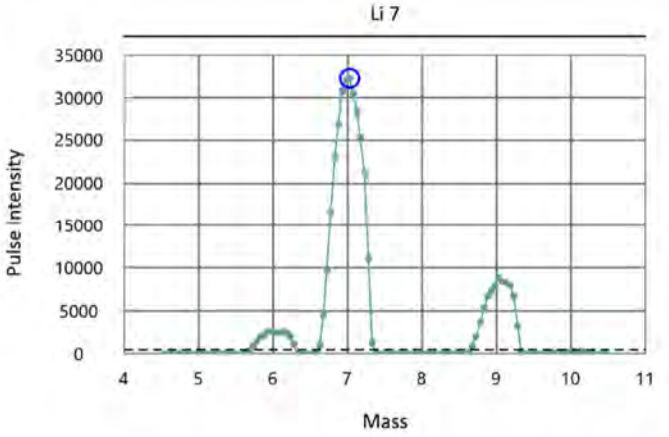
End Time: 10/22/2021 8:38:39 AM

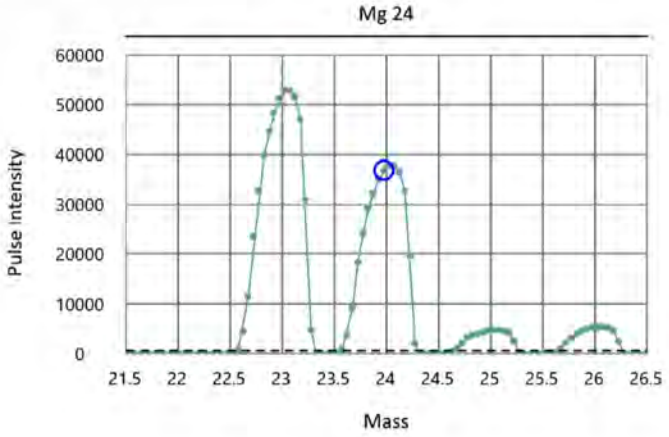
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.691)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.692)
Target/Obtained mass (114.904/114.875), Target/Obtained resolution (0.7/0.684)
Target/Obtained mass (207.977/208.025), Target/Obtained resolution (0.7/0.705)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.716)

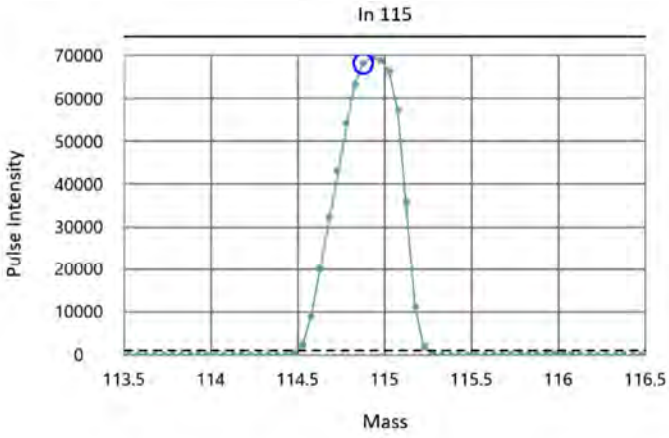
Acq. Date/Time: 10/22/2021 8:14:35 AM

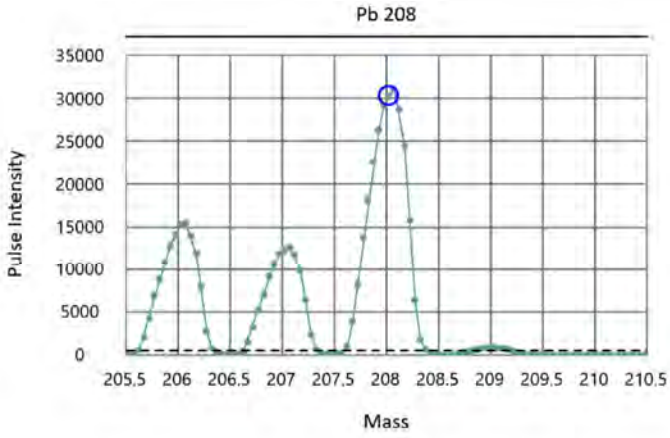
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

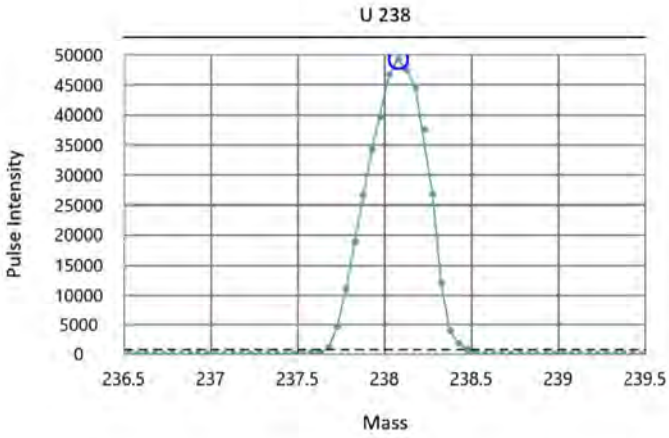
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1327	2022	0.691	
Mg	23.985	23.975	4712	2023	0.692	
In	114.904	114.875	22848	2041	0.684	
Pb	207.977	208.025	41425	2060	0.705	
U	238.05	238.075	47422	2067	0.716	











SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 10/25/2021 10:47:36 AM
End Time: 10/25/2021 10:49:59 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 8600.19
Obtained Intensity (Mg 24): 34263.31
Obtained Intensity (In 115): 54882.95
Obtained Intensity (U 238): 39234.83
Obtained Intensity (Bkgd 220): 0.27
Obtained Formula (CeO 156 / Ce 140): 0.020 (=1321.66 / 65290.34)
Obtained Formula (Ce++ 70 / Ce 140): 0.012 (=776.49 / 65290.34)
Obtained RSD (Be 9): 0.0191
Obtained RSD (Mg 24): 0.0154
Obtained RSD (In 115): 0.0271
Obtained RSD (U 238): 0.0258

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 10/25/2021 10:47:36 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 8600.19
Obtained Intensity (Mg 24): 34263.31
Obtained Intensity (In 115): 54882.95
Obtained Intensity (U 238): 39234.83
Obtained Intensity (Bkgd 220): 0.27
Obtained Formula (CeO 156 / Ce 140): 0.020 (=1321.66 / 65290.34)
Obtained Formula (Ce++ 70 / Ce 140): 0.012 (=776.49 / 65290.34)
Obtained RSD (Be 9): 0.0191
Obtained RSD (Mg 24): 0.0154
Obtained RSD (In 115): 0.0271
Obtained RSD (U 238): 0.0258

[Passed] Optimum value(s): N/A

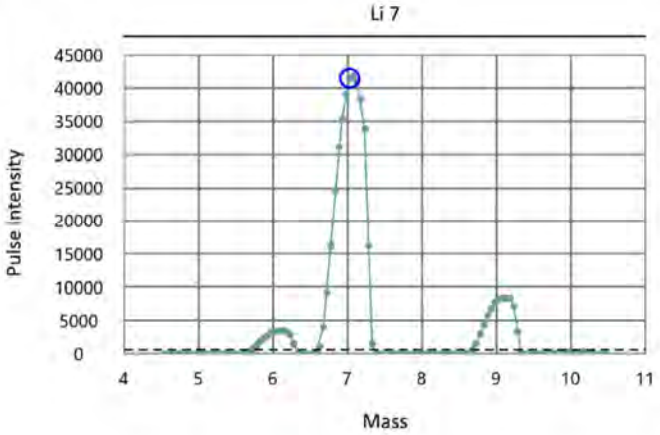
End Time: 10/25/2021 10:49:59 AM

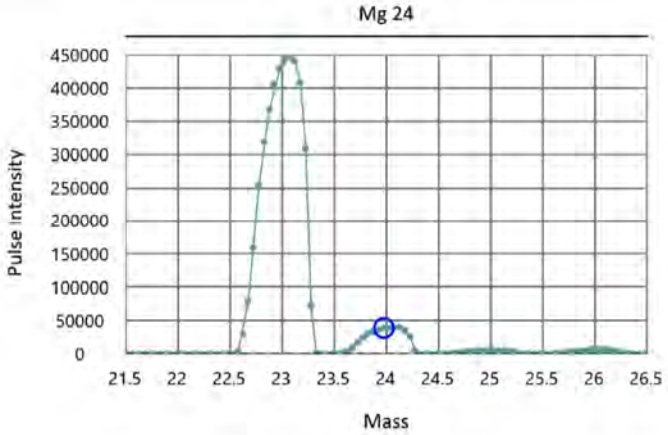
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.683)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.713)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.679)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.708)
Target/Obtained mass (238.05/238.025), Target/Obtained resolution (0.7/0.694)

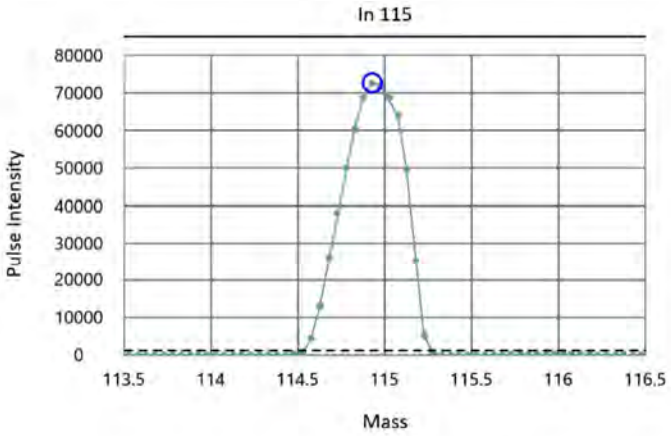
Acq. Date/Time: 10/25/2021 10:28:43 AM

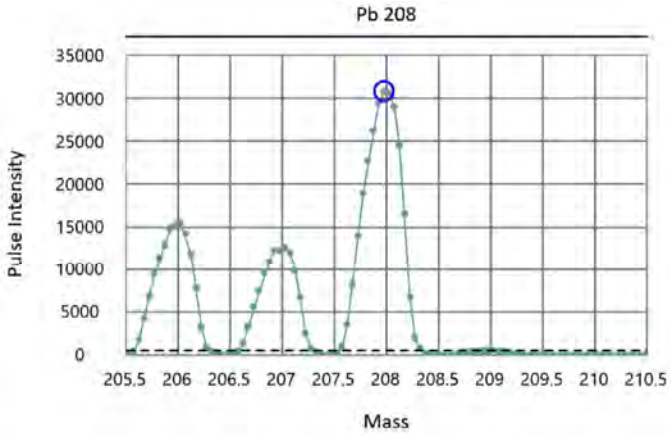
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

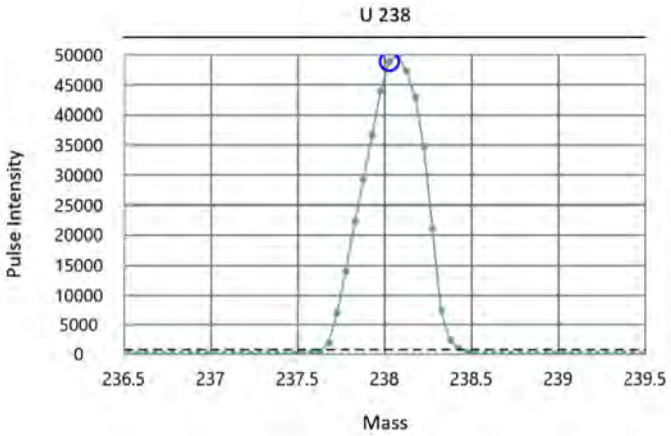
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1328	2022	0.683	
Mg	23.985	23.975	4710	2023	0.713	
In	114.904	114.925	22852	2041	0.679	
Pb	207.977	207.975	41424	2060	0.708	
U	238.05	238.025	47417	2067	0.694	











3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Shannon & Wilson
Ryan Peterson
400 N. 34th Street, Suite 100
Seattle, WA 98103

RE: 8801- Excavations
Work Order Number: 2110360

October 27, 2021

Attention Ryan Peterson:

Fremont Analytical, Inc. received 4 sample(s) on 10/25/2021 for the analyses presented in the following report.

Gasoline by NWTPH-Gx
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)
Polychlorinated Biphenyls (PCB) by EPA 8082
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CLIENT: Shannon & Wilson
Project: 8801- Excavations
Work Order: 2110360

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110360-001	A3-BOT39: 5.5	10/25/2021 2:00 PM	10/25/2021 4:00 PM
2110360-001	A3-BOT39: 5.5	10/25/2021 2:00 PM	10/25/2021 4:00 PM
2110360-002	A3-BOT40: 5	10/25/2021 2:30 PM	10/25/2021 4:00 PM
2110360-002	A3-BOT40: 5	10/25/2021 2:30 PM	10/25/2021 4:00 PM
2110360-003	A2-SIDE17:2	10/25/2021 1:50 PM	10/25/2021 4:00 PM
2110360-004	TRIP-20211025		10/25/2021 4:00 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Revision v2

Case Narrative

WO#: **2110360**
Date: **10/27/2021**

CLIENT: Shannon & Wilson
Project: 8801- Excavations

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2110360-001A and 002A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2110360-001A and 002A) required Florisil Cleanup Procedure (Using Method No 3620C).

11/1/2021: Revision 1 includes correction to a sample ID per client request.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **2110360**
Date Reported: **10/27/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110360-001
Client Sample ID: A3-BOT39: 5.5

Collection Date: 10/25/2021 2:00:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34177			Analyst: SB
Aroclor 1016	ND	0.0419	0.00674		mg/Kg-dry	1	10/26/21 16:09:52
Aroclor 1221	ND	0.0419	0.00674		mg/Kg-dry	1	10/26/21 16:09:52
Aroclor 1232	ND	0.0419	0.00674		mg/Kg-dry	1	10/26/21 16:09:52
Aroclor 1242	ND	0.0419	0.00674		mg/Kg-dry	1	10/26/21 16:09:52
Aroclor 1248	ND	0.0419	0.00832		mg/Kg-dry	1	10/26/21 16:09:52
Aroclor 1254	0.240	0.0419	0.00832		mg/Kg-dry	1	10/26/21 16:09:52
Aroclor 1260	ND	0.0419	0.00832		mg/Kg-dry	1	10/26/21 16:09:52
Aroclor 1262	ND	0.0419	0.00832		mg/Kg-dry	1	10/26/21 16:09:52
Aroclor 1268	ND	0.0419	0.00832		mg/Kg-dry	1	10/26/21 16:09:52
Total PCBs	0.240	0.0419	0.00832		mg/Kg-dry	1	10/26/21 16:09:52
Surr: Decachlorobiphenyl	84.6	20.6 - 142			%Rec	1	10/26/21 16:09:52
Surr: Tetrachloro-m-xylene	70.0	22 - 157			%Rec	1	10/26/21 16:09:52
Gasoline by NWTPH-Gx				Batch ID: 34186			Analyst: CR
Gasoline	3.71	5.54	2.21	J	mg/Kg-dry	1	10/27/21 2:59:08
Surr: Toluene-d8	101	65 - 135			%Rec	1	10/27/21 2:59:08
Surr: 4-Bromofluorobenzene	98.5	65 - 135			%Rec	1	10/27/21 2:59:08
Total Metals by EPA Method 6020B				Batch ID: 34169			Analyst: EH
Copper	1,300	9.06	1.69	D	mg/Kg-dry	10	10/26/21 16:12:59
Sample Moisture (Percent Moisture)				Batch ID: R70778			Analyst: ALB
Percent Moisture	13.1	0.500	0.100		wt%	1	10/26/21 9:14:37

Revision v2

Analytical Report

Work Order: **2110360**
Date Reported: **10/27/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110360-002
Client Sample ID: A3-BOT40: 5

Collection Date: 10/25/2021 2:30:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 34177			Analyst: SB
Aroclor 1016	ND	0.0439	0.00708		mg/Kg-dry	1	10/26/21 16:19:37
Aroclor 1221	ND	0.0439	0.00708		mg/Kg-dry	1	10/26/21 16:19:37
Aroclor 1232	ND	0.0439	0.00708		mg/Kg-dry	1	10/26/21 16:19:37
Aroclor 1242	ND	0.0439	0.00708		mg/Kg-dry	1	10/26/21 16:19:37
Aroclor 1248	ND	0.0439	0.00873		mg/Kg-dry	1	10/26/21 16:19:37
Aroclor 1254	1.01	0.0439	0.00873		mg/Kg-dry	1	10/26/21 16:19:37
Aroclor 1260	ND	0.0439	0.00873		mg/Kg-dry	1	10/26/21 16:19:37
Aroclor 1262	ND	0.0439	0.00873		mg/Kg-dry	1	10/26/21 16:19:37
Aroclor 1268	ND	0.0439	0.00873		mg/Kg-dry	1	10/26/21 16:19:37
Total PCBs	1.01	0.0439	0.00873		mg/Kg-dry	1	10/26/21 16:19:37
Surr: Decachlorobiphenyl	102	20.6 - 142			%Rec	1	10/26/21 16:19:37
Surr: Tetrachloro-m-xylene	98.9	22 - 157			%Rec	1	10/26/21 16:19:37
Gasoline by NWTPH-Gx				Batch ID: 34186			Analyst: CR
Gasoline	4.63	5.94	2.37	J	mg/Kg-dry	1	10/27/21 3:59:23
Surr: Toluene-d8	101	65 - 135			%Rec	1	10/27/21 3:59:23
Surr: 4-Bromofluorobenzene	107	65 - 135			%Rec	1	10/27/21 3:59:23
Total Metals by EPA Method 6020B				Batch ID: 34169			Analyst: EH
Copper	4,100	92.7	17.3	D	mg/Kg-dry	100	10/27/21 10:15:36
Sample Moisture (Percent Moisture)				Batch ID: R70778			Analyst: ALB
Percent Moisture	17.6	0.500	0.100		wt%	1	10/26/21 9:14:37

Analytical Report

Work Order: **2110360**
Date Reported: **10/27/2021**

Client: Shannon & Wilson
Collection Date: 10/25/2021 1:50:00 PM
Project: 8801- Excavations
Lab ID: 2110360-003
Matrix: Soil
Client Sample ID: A2-SIDE17:2

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 34161			Analyst: SB
Benz(a)anthracene	ND	22.1	2.78		µg/Kg-dry	1	10/26/21 16:13:23
Chrysene	ND	44.1	8.00		µg/Kg-dry	1	10/26/21 16:13:23
Benzo(b)fluoranthene	ND	22.1	2.39		µg/Kg-dry	1	10/26/21 16:13:23
Benzo(k)fluoranthene	ND	22.1	2.99		µg/Kg-dry	1	10/26/21 16:13:23
Benzo(a)pyrene	ND	22.1	2.48		µg/Kg-dry	1	10/26/21 16:13:23
Indeno(1,2,3-cd)pyrene	ND	44.1	7.88		µg/Kg-dry	1	10/26/21 16:13:23
Dibenz(a,h)anthracene	ND	44.1	9.65		µg/Kg-dry	1	10/26/21 16:13:23
Surr: 2-Fluorobiphenyl	96.5	27.9 - 129			%Rec	1	10/26/21 16:13:23
Surr: Terphenyl-d14 (surr)	128	39.1 - 145	0		%Rec	1	10/26/21 16:13:23
Sample Moisture (Percent Moisture)				Batch ID: R70778			Analyst: ALB
Percent Moisture	9.57	0.500	0.100		wt%	1	10/26/21 9:14:37

Revision v2

Analytical Report

Work Order: **2110360**
Date Reported: **10/27/2021**

Client: Shannon & Wilson
Project: 8801- Excavations
Lab ID: 2110360-004
Client Sample ID: **TRIP-20211025**

Collection Date:
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 34186			Analyst: CR
Gasoline	ND	5.00	2.00		mg/Kg	1	10/26/21 20:27:22
Surr: Toluene-d8	99.6	65 - 135			%Rec	1	10/26/21 20:27:22
Surr: 4-Bromofluorobenzene	95.0	65 - 135			%Rec	1	10/26/21 20:27:22

Work Order: 2110360
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **ICB-34169**	SampType: **ICB**			Units: **µg/L**		Prep Date: **10/26/2021**		RunNo: **70795**		
Client ID: **ICB**	Batch ID: **34169**					Analysis Date: **10/26/2021**		SeqNo: **1439850**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICV-34169**	SampType: **ICV**			Units: **µg/L**		Prep Date: **10/26/2021**		RunNo: **70795**		
Client ID: **ICV**	Batch ID: **34169**					Analysis Date: **10/26/2021**		SeqNo: **1439851**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	98.6	10.0	100.0	0	98.6	90	110				

Sample ID: **CCV-34169A**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/26/2021**		RunNo: **70795**		
Client ID: **CCV**	Batch ID: **34169**					Analysis Date: **10/26/2021**		SeqNo: **1439854**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	107	10.0	100.0	0	107	90	110				

Sample ID: **CCB-34169A**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/26/2021**		RunNo: **70795**		
Client ID: **CCB**	Batch ID: **34169**					Analysis Date: **10/26/2021**		SeqNo: **1439855**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **MB-34169**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **10/26/2021**		RunNo: **70795**		
Client ID: **MBLKS**	Batch ID: **34169**					Analysis Date: **10/26/2021**		SeqNo: **1439856**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.800									

Work Order: 2110360
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **LCS-34169**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **10/26/2021**			RunNo: **70795**		
Client ID: **LCSS**	Batch ID: **34169**					Analysis Date: **10/26/2021**			SeqNo: **1439857**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	42.7	0.769	38.46	0	111	80	120				

Sample ID: **2110357-003AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **10/26/2021**			RunNo: **70795**		
Client ID: **BATCH**	Batch ID: **34169**					Analysis Date: **10/26/2021**			SeqNo: **1439860**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	72.8	5.08	50.84	22.48	99.0	75	125				D

Sample ID: **2110357-003AMSD**	SampType: **MSD**			Units: **mg/Kg-dry**		Prep Date: **10/26/2021**			RunNo: **70795**		
Client ID: **BATCH**	Batch ID: **34169**					Analysis Date: **10/26/2021**			SeqNo: **1439861**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	75.3	5.41	54.12	22.48	97.6	75	125	72.84	3.36	20	D

Sample ID: **CCV-34169B**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/26/2021**			RunNo: **70795**		
Client ID: **CCV**	Batch ID: **34169**					Analysis Date: **10/26/2021**			SeqNo: **1439866**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	102	10.0	100.0	0	102	90	110				

Sample ID: **CCB-34169B**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/26/2021**			RunNo: **70795**		
Client ID: **CCB**	Batch ID: **34169**					Analysis Date: **10/26/2021**			SeqNo: **1439867**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Work Order: 2110360
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-34169C**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/26/2021**		RunNo: **70795**		
Client ID: **CCV**	Batch ID: **34169**					Analysis Date: **10/26/2021**		SeqNo: **1439869**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	107	10.0	100.0	0	107	90	110				

Sample ID: **CCB-34169C**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/26/2021**		RunNo: **70795**		
Client ID: **CCB**	Batch ID: **34169**					Analysis Date: **10/26/2021**		SeqNo: **1439870**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-34169D**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/26/2021**		RunNo: **70795**		
Client ID: **CCV**	Batch ID: **34169**					Analysis Date: **10/26/2021**		SeqNo: **1440023**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	105	10.0	100.0	0	105	90	110				

Sample ID: **CCB-34169D**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/26/2021**		RunNo: **70795**		
Client ID: **CCB**	Batch ID: **34169**					Analysis Date: **10/26/2021**		SeqNo: **1440024**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **CCV-34169E**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/26/2021**		RunNo: **70795**		
Client ID: **CCV**	Batch ID: **34169**					Analysis Date: **10/26/2021**		SeqNo: **1440033**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	105	10.0	100.0	0	105	90	110				

Work Order: 2110360
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCB-34169E**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/26/2021**			RunNo: **70795**		
Client ID: **CCB**	Batch ID: **34169**					Analysis Date: **10/26/2021**			SeqNo: **1440034**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICB-34169A**	SampType: **ICB**			Units: **µg/L**		Prep Date: **10/27/2021**			RunNo: **70795**		
Client ID: **ICB**	Batch ID: **34169**					Analysis Date: **10/27/2021**			SeqNo: **1440414**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Sample ID: **ICV-34169A**	SampType: **ICV**			Units: **µg/L**		Prep Date: **10/27/2021**			RunNo: **70795**		
Client ID: **ICV**	Batch ID: **34169**					Analysis Date: **10/27/2021**			SeqNo: **1440415**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	101	10.0	100.0	0	101	90	110				

Sample ID: **CCV-34169F**	SampType: **CCV**			Units: **µg/L**		Prep Date: **10/27/2021**			RunNo: **70795**		
Client ID: **CCV**	Batch ID: **34169**					Analysis Date: **10/27/2021**			SeqNo: **1440428**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	104	10.0	100.0	0	104	90	110				

Sample ID: **CCB-34169F**	SampType: **CCB**			Units: **µg/L**		Prep Date: **10/27/2021**			RunNo: **70795**		
Client ID: **CCB**	Batch ID: **34169**					Analysis Date: **10/27/2021**			SeqNo: **1440429**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Work Order: 2110360
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **CCV-34169G** SampType: **CCV** Units: **µg/L** Prep Date: **10/27/2021** RunNo: **70795**
Client ID: **CCV** Batch ID: **34169** Analysis Date: **10/27/2021** SeqNo: **1440601**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	105	10.0	100.0	0	105	90	110				

Sample ID: **CCB-34169G** SampType: **CCB** Units: **µg/L** Prep Date: **10/27/2021** RunNo: **70795**
Client ID: **CCB** Batch ID: **34169** Analysis Date: **10/27/2021** SeqNo: **1440602**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	10.0									

Work Order: 2110360
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **CAL MIDPOINT** SampType: **CCV** Units: **µg/L** Prep Date: **8/23/2021** RunNo: **70777**
Client ID: **CCV** Batch ID: **34161** Analysis Date: **8/23/2021** SeqNo: **1439551**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,000	20.0	1,000	0	100	80	120				
Chrysene	1,010	40.0	1,000	0	101	80	120				
Benzo(b)fluoranthene	920	20.0	1,000	0	92.0	80	120				
Benzo(k)fluoranthene	1,100	20.0	1,000	0	110	80	120				
Benzo(a)pyrene	1,000	20.0	1,000	0	100	80	120				
Indeno(1,2,3-cd)pyrene	1,010	40.0	1,000	0	101	80	120				
Dibenz(a,h)anthracene	1,010	40.0	1,000	0	101	80	120				
Surr: 2-Fluorobiphenyl	502		500.0		100	69.5	150				
Surr: Terphenyl-d14 (surr)	506		500.0		101	71.6	145				

Sample ID: **PAH ICB** SampType: **ICB** Units: **µg/L** Prep Date: **8/23/2021** RunNo: **69441**
Client ID: **ICB** Batch ID: **34161** Analysis Date: **8/23/2021** SeqNo: **1406963**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	20.0									
2-Methylnaphthalene	ND	20.0									
1-Methylnaphthalene	ND	20.0									
2-Chloronaphthalene	ND	20.0									
Acenaphthene	ND	20.0									
Dimethyl phthalate	ND	50.0									
Acenaphthylene	ND	20.0									
Dibenzofuran	ND	40.0									
Fluorene	ND	20.0									
Diethyl phthalate	ND	20.0									
Pentachlorophenol	ND	80.0									
Phenanthrene	ND	40.0									
Anthracene	ND	40.0									
Carbazole	ND	20.0									
Di-n-butyl phthalate	ND	40.0									
Fluoranthene	ND	40.0									

Work Order: 2110360
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **PAH ICB** SampType: **ICB** Units: **µg/L** Prep Date: **8/23/2021** RunNo: **69441**
Client ID: **ICB** Batch ID: **34161** Analysis Date: **8/23/2021** SeqNo: **1406963**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pyrene	ND	40.0									
Butylbenzylphthalate	ND	20.0									
Benz(a)anthracene	ND	20.0									
Chrysene	ND	40.0									
Bis(2-ethylhexyl) phthalate	ND	20.0									
Di-n-octyl phthalate	ND	20.0									
Benzo(b)fluoranthene	ND	20.0									
Benzo(k)fluoranthene	ND	20.0									
Benzo(a)pyrene	ND	20.0									
Indeno(1,2,3-cd)pyrene	ND	40.0									
Dibenz(a,h)anthracene	ND	40.0									
Benzo(g,h,i)perylene	ND	20.0									
Surr: 2,4,6-Tribromophenol	927		1,000		92.7	14	136				
Surr: 2-Fluorobiphenyl	474		500.0		94.8	50.4	142				
Surr: Terphenyl-d14 (surr)	505		500.0		101	48.8	157				

Sample ID: **PAH ICV** SampType: **ICV** Units: **µg/L** Prep Date: **8/23/2021** RunNo: **69441**
Client ID: **ICV** Batch ID: **34161** Analysis Date: **8/23/2021** SeqNo: **1406964**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,020	20.0	1,000	0	102	70	130				
2-Methylnaphthalene	1,020	20.0	1,000	0	102	70	130				
1-Methylnaphthalene	1,040	20.0	1,000	0	104	70	130				
2-Chloronaphthalene	1,040	20.0	1,000	0	104	70	130				
Acenaphthene	979	20.0	1,000	0	97.9	70	130				
Dimethyl phthalate	1,040	50.0	1,000	0	104	70	130				
Acenaphthylene	1,040	20.0	1,000	0	104	70	130				
Dibenzofuran	1,040	40.0	1,000	0	104	70	130				
Fluorene	1,040	20.0	1,000	0	104	70	130				
Diethyl phthalate	1,040	20.0	1,000	0	104	70	130				

Work Order: 2110360
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **PAH ICV** SampType: **ICV** Units: **µg/L** Prep Date: **8/23/2021** RunNo: **69441**
Client ID: **ICV** Batch ID: **34161** Analysis Date: **8/23/2021** SeqNo: **1406964**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	991	80.0	1,000	0	99.1	70	130				
Phenanthrene	1,020	40.0	1,000	0	102	70	130				
Anthracene	1,030	40.0	1,000	0	103	70	130				
Carbazole	1,050	20.0	1,000	0	105	70	130				
Di-n-butyl phthalate	1,040	40.0	1,000	0	104	70	130				
Fluoranthene	1,040	40.0	1,000	0	104	70	130				
Pyrene	1,030	40.0	1,000	0	103	70	130				
Butylbenzylphthalate	1,040	20.0	1,000	0	104	70	130				
Benz(a)anthracene	1,030	20.0	1,000	0	103	70	130				
Chrysene	1,040	40.0	1,000	0	104	70	130				
Bis(2-ethylhexyl) phthalate	1,040	20.0	1,000	0	104	70	130				
Di-n-octyl phthalate	1,040	20.0	1,000	0	104	70	130				
Benzo(b)fluoranthene	1,080	20.0	1,000	0	108	70	130				
Benzo(k)fluoranthene	1,040	20.0	1,000	0	104	70	130				
Benzo(a)pyrene	1,150	20.0	1,000	0	115	70	130				
Indeno(1,2,3-cd)pyrene	1,040	40.0	1,000	0	104	70	130				
Dibenz(a,h)anthracene	1,050	40.0	1,000	0	105	70	130				
Benzo(g,h,i)perylene	1,060	20.0	1,000	0	106	70	130				
Surr: 2,4,6-Tribromophenol	1,040		1,000		104	67.8	127				
Surr: 2-Fluorobiphenyl	524		500.0		105	60.9	160				
Surr: Terphenyl-d14 (surr)	524		500.0		105	62.2	159				

Sample ID: **CCV-34161** SampType: **CCV** Units: **µg/L** Prep Date: **10/25/2021** RunNo: **70777**
Client ID: **CCV** Batch ID: **34161** Analysis Date: **10/25/2021** SeqNo: **1439541**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	841	20.0	1,000	0	84.1	80	120				
Chrysene	829	40.0	1,000	0	82.9	80	120				
Benzo(b)fluoranthene	879	20.0	1,000	0	87.9	80	120				
Benzo(k)fluoranthene	904	20.0	1,000	0	90.4	80	120				

Work Order: 2110360
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **CCV-34161**	SampType: **CCV**	Units: **µg/L**	Prep Date: **10/25/2021**	RunNo: **70777**
Client ID: **CCV**	Batch ID: **34161**		Analysis Date: **10/25/2021**	SeqNo: **1439541**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	819	20.0	1,000	0	81.9	80	120				
Indeno(1,2,3-cd)pyrene	828	40.0	1,000	0	82.8	80	120				
Dibenz(a,h)anthracene	823	40.0	1,000	0	82.3	80	120				
Surr: 2-Fluorobiphenyl	426		500.0		85.3	69.5	150				
Surr: Terphenyl-d14 (surr)	418		500.0		83.6	71.6	145				

Sample ID: **MB-34161**	SampType: **MBLK**	Units: **µg/Kg**	Prep Date: **10/25/2021**	RunNo: **70777**
Client ID: **MBLKS**	Batch ID: **34161**		Analysis Date: **10/25/2021**	SeqNo: **1439542**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	ND	20.0									
Chrysene	ND	40.0									
Benzo(b)fluoranthene	ND	20.0									
Benzo(k)fluoranthene	ND	20.0									
Benzo(a)pyrene	ND	20.0									
Indeno(1,2,3-cd)pyrene	ND	40.0									
Dibenz(a,h)anthracene	ND	40.0									
Surr: 2-Fluorobiphenyl	817		1,000		81.7	27.9	129				
Surr: Terphenyl-d14 (surr)	1,030		1,000		103	39.1	145				

Sample ID: **LCS-34161**	SampType: **LCS**	Units: **µg/Kg**	Prep Date: **10/25/2021**	RunNo: **70777**
Client ID: **LCSS**	Batch ID: **34161**		Analysis Date: **10/25/2021**	SeqNo: **1439543**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,990	20.0	2,000	0	99.6	64.4	113				
Chrysene	1,860	40.0	2,000	0	93.2	57.3	113				
Benzo(b)fluoranthene	1,960	20.0	2,000	0	97.9	58.2	115				
Benzo(k)fluoranthene	1,870	20.0	2,000	0	93.3	53.4	121				
Benzo(a)pyrene	2,050	20.0	2,000	0	103	64.7	125				

Work Order: 2110360
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **LCS-34161**	SampType: **LCS**	Units: **µg/Kg**	Prep Date: **10/25/2021**	RunNo: **70777**
Client ID: **LCSS**	Batch ID: **34161**		Analysis Date: **10/25/2021**	SeqNo: **1439543**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	1,870	40.0	2,000	0	93.5	61.6	113				
Dibenz(a,h)anthracene	1,930	40.0	2,000	0	96.6	62.1	116				
Surr: 2-Fluorobiphenyl	1,050		1,000		105	27.9	129				
Surr: Terphenyl-d14 (surr)	1,270		1,000		127	39.1	145				

Sample ID: **2110311-002AMS**	SampType: **MS**	Units: **µg/Kg-dry**	Prep Date: **10/25/2021**	RunNo: **70777**
Client ID: **BATCH**	Batch ID: **34161**		Analysis Date: **10/25/2021**	SeqNo: **1439546**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,360	20.5	2,050	0	66.2	45	110				
Chrysene	1,290	41.0	2,050	0	62.7	42.4	106				
Benzo(b)fluoranthene	1,320	20.5	2,050	0	64.2	43.7	108				
Benzo(k)fluoranthene	1,310	20.5	2,050	0	63.9	39.5	113				
Benzo(a)pyrene	1,420	20.5	2,050	0	69.3	44.1	122				
Indeno(1,2,3-cd)pyrene	1,270	41.0	2,050	0	61.8	40.2	109				
Dibenz(a,h)anthracene	1,310	41.0	2,050	0	63.9	31.4	126				
Surr: 2-Fluorobiphenyl	714		1,025		69.7	27.9	129				
Surr: Terphenyl-d14 (surr)	872		1,025		85.0	39.1	145				

Sample ID: **2110311-002AMSD**	SampType: **MSD**	Units: **µg/Kg-dry**	Prep Date: **10/25/2021**	RunNo: **70777**
Client ID: **BATCH**	Batch ID: **34161**		Analysis Date: **10/25/2021**	SeqNo: **1439547**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,460	20.8	2,084	0	70.3	45	110	1,358	7.58	30	
Chrysene	1,370	41.7	2,084	0	65.8	42.4	106	1,285	6.56	30	
Benzo(b)fluoranthene	1,430	20.8	2,084	0	68.8	43.7	108	1,315	8.70	30	
Benzo(k)fluoranthene	1,360	20.8	2,084	0	65.2	39.5	113	1,309	3.75	30	
Benzo(a)pyrene	1,520	20.8	2,084	0	73.0	44.1	122	1,421	6.81	30	
Indeno(1,2,3-cd)pyrene	1,360	41.7	2,084	0	65.3	40.2	109	1,266	7.16	30	

Work Order: 2110360
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **2110311-002AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **10/25/2021** RunNo: **70777**
Client ID: **BATCH** Batch ID: **34161** Analysis Date: **10/25/2021** SeqNo: **1439547**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenz(a,h)anthracene	1,410	41.7	2,084	0	67.5	31.4	126	1,311	7.12	30	
Surr: 2-Fluorobiphenyl	738		1,042		70.8	27.9	129		0		
Surr: Terphenyl-d14 (surr)	914		1,042		87.7	39.1	145		0		

Sample ID: **CCV-34161** SampType: **CCV** Units: **µg/L** Prep Date: **10/26/2021** RunNo: **70777**
Client ID: **CCV** Batch ID: **34161** Analysis Date: **10/26/2021** SeqNo: **1440001**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	965	20.0	1,000	0	96.5	80	120				
Chrysene	991	40.0	1,000	0	99.1	80	120				
Benzo(b)fluoranthene	851	20.0	1,000	0	85.1	80	120				
Benzo(k)fluoranthene	1,030	20.0	1,000	0	103	80	120				
Benzo(a)pyrene	945	20.0	1,000	0	94.5	80	120				
Indeno(1,2,3-cd)pyrene	972	40.0	1,000	0	97.2	80	120				
Dibenz(a,h)anthracene	960	40.0	1,000	0	96.0	80	120				
Surr: 2-Fluorobiphenyl	445		500.0		89.0	69.5	150				
Surr: Terphenyl-d14 (surr)	561		500.0		112	71.6	145				

Sample ID: **CCV-34161** SampType: **CCV** Units: **µg/L** Prep Date: **10/26/2021** RunNo: **70777**
Client ID: **CCV** Batch ID: **34161** Analysis Date: **10/26/2021** SeqNo: **1440111**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	949	20.0	1,000	0	94.9	80	120				
Chrysene	975	40.0	1,000	0	97.5	80	120				
Benzo(b)fluoranthene	1,000	20.0	1,000	0	100	80	120				
Benzo(k)fluoranthene	860	20.0	1,000	0	86.0	80	120				
Benzo(a)pyrene	928	20.0	1,000	0	92.8	80	120				
Indeno(1,2,3-cd)pyrene	962	40.0	1,000	0	96.2	80	120				
Dibenz(a,h)anthracene	948	40.0	1,000	0	94.8	80	120				

Work Order: 2110360
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **CCV-34161** SampType: **CCV** Units: **µg/L** Prep Date: **10/26/2021** RunNo: **70777**
Client ID: **CCV** Batch ID: **34161** Analysis Date: **10/26/2021** SeqNo: **1440111**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	441		500.0		88.2	69.5	150				
Surr: Terphenyl-d14 (surr)	551		500.0		110	71.6	145				

Work Order: 2110360
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1660 ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICB**	Batch ID: **34177**		Analysis Date: **9/30/2021**	SeqNo: **1425542**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1260	ND	0.0500									
Surr: Decachlorobiphenyl	216		200.0		108	50.2	159				
Surr: Tetrachloro-m-xylene	188		200.0		94.0	60.3	134				

Sample ID: **1660 ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICV**	Batch ID: **34177**		Analysis Date: **9/30/2021**	SeqNo: **1425544**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.845	0.0500	1.000	0	84.5	80	120				
Aroclor 1260	0.810	0.0500	1.000	0	81.0	80	120				
Surr: Decachlorobiphenyl	162		200.0		81.0	30.2	155				
Surr: Tetrachloro-m-xylene	160		200.0		79.9	58.8	143				

Sample ID: **1254 ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICB**	Batch ID: **34177**		Analysis Date: **9/30/2021**	SeqNo: **1425552**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	ND	0.0500									
Surr: Decachlorobiphenyl	219		200.0		110	50.2	159				
Surr: Tetrachloro-m-xylene	214		200.0		107	60.3	134				

Sample ID: **1254 ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **9/30/2021**	RunNo: **70254**
Client ID: **ICV**	Batch ID: **34177**		Analysis Date: **9/30/2021**	SeqNo: **1425553**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.08	0.0500	1.000	0	108	80	120				
Surr: Decachlorobiphenyl	204		200.0		102	30.2	155				
Surr: Tetrachloro-m-xylene	203		200.0		101	58.8	143				

Work Order: 2110360
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1254 ICV** SampType: **ICV** Units: **mg/Kg** Prep Date: **9/30/2021** RunNo: **70254**
Client ID: **ICV** Batch ID: **34177** Analysis Date: **9/30/2021** SeqNo: **1425553**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **1660-CCV-34177A** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/26/2021** RunNo: **70808**
Client ID: **CCV** Batch ID: **34177** Analysis Date: **10/26/2021** SeqNo: **1440208**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.913	0.0500	1.000	0	91.3	80	120				
Aroclor 1260	0.901	0.0500	1.000	0	90.1	80	120				
Surr: Decachlorobiphenyl	206		200.0		103	30.2	155				
Surr: Tetrachloro-m-xylene	190		200.0		95.1	58.8	143				

Sample ID: **1254-CCV-34177A** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/26/2021** RunNo: **70808**
Client ID: **CCV** Batch ID: **34177** Analysis Date: **10/26/2021** SeqNo: **1440272**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.873	0.0500	1.000	0	87.3	80	120				
Surr: Decachlorobiphenyl	214		200.0		107	30.2	155				
Surr: Tetrachloro-m-xylene	201		200.0		101	58.8	143				

Sample ID: **MB-34177** SampType: **MBLK** Units: **mg/Kg** Prep Date: **10/26/2021** RunNo: **70808**
Client ID: **MBLKS** Batch ID: **34177** Analysis Date: **10/26/2021** SeqNo: **1440210**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1221	ND	0.0500									
Aroclor 1232	ND	0.0500									
Aroclor 1242	ND	0.0500									
Aroclor 1248	ND	0.0500									
Aroclor 1254	ND	0.0500									
Aroclor 1260	ND	0.0500									

Work Order: 2110360
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **MB-34177** SampType: **MBLK** Units: **mg/Kg** Prep Date: **10/26/2021** RunNo: **70808**
Client ID: **MBLKS** Batch ID: **34177** Analysis Date: **10/26/2021** SeqNo: **1440210**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1262	ND	0.0500									
Aroclor 1268	ND	0.0500									
Total PCBs	ND	0.0500									
Surr: Decachlorobiphenyl	205		200.0		103	20.6	142				
Surr: Tetrachloro-m-xylene	182		200.0		91.2	22	157				

Sample ID: **LCS1-34177** SampType: **LCS** Units: **mg/Kg** Prep Date: **10/26/2021** RunNo: **70808**
Client ID: **LCSS** Batch ID: **34177** Analysis Date: **10/26/2021** SeqNo: **1440212**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.862	0.0500	1.000	0	86.2	52.2	136				
Aroclor 1260	0.832	0.0500	1.000	0	83.2	50.5	150				
Surr: Decachlorobiphenyl	196		200.0		98.2	20.6	142				
Surr: Tetrachloro-m-xylene	173		200.0		86.3	22	157				

Sample ID: **LCS1D-34177** SampType: **LCSD** Units: **mg/Kg** Prep Date: **10/26/2021** RunNo: **70808**
Client ID: **LCSS02** Batch ID: **34177** Analysis Date: **10/26/2021** SeqNo: **1440214**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.885	0.0500	1.000	0	88.5	52.2	136	0.8619	2.68	20	
Aroclor 1260	0.853	0.0500	1.000	0	85.3	50.5	150	0.8318	2.57	20	
Surr: Decachlorobiphenyl	197		200.0		98.4	20.6	142		0		
Surr: Tetrachloro-m-xylene	181		200.0		90.4	22	157		0		

Sample ID: **LCS2-34177** SampType: **LCS** Units: **mg/Kg** Prep Date: **10/26/2021** RunNo: **70808**
Client ID: **LCSS** Batch ID: **34177** Analysis Date: **10/26/2021** SeqNo: **1440273**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.792	0.0500	1.000	0	79.2	48.1	147				

Work Order: 2110360
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **LCS2-34177**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **10/26/2021**	RunNo: **70808**
Client ID: **LCSS**	Batch ID: **34177**		Analysis Date: **10/26/2021**	SeqNo: **1440273**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	186		200.0		92.9	20.6	142				
Surr: Tetrachloro-m-xylene	179		200.0		89.6	22	157				

Sample ID: **2110364-015AMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **10/26/2021**	RunNo: **70808**
Client ID: **BATCH**	Batch ID: **34177**		Analysis Date: **10/26/2021**	SeqNo: **1440235**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.955	0.0490	0.9794	0	97.6	38.6	146				
Aroclor 1260	0.913	0.0490	0.9794	0	93.2	24.6	161				
Surr: Decachlorobiphenyl	67.0		195.9		34.2	20.6	142				
Surr: Tetrachloro-m-xylene	88.2		195.9		45.0	22	157				

Sample ID: **2110364-015AMSD**	SampType: **MSD**	Units: **mg/Kg-dry**	Prep Date: **10/26/2021**	RunNo: **70808**
Client ID: **BATCH**	Batch ID: **34177**		Analysis Date: **10/26/2021**	SeqNo: **1440236**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.895	0.0490	0.9794	0	91.4	38.6	146	0.9554	6.56	30	
Aroclor 1260	0.816	0.0490	0.9794	0	83.3	24.6	161	0.9130	11.2	30	
Surr: Decachlorobiphenyl	77.9		195.9		39.8	20.6	142		0		
Surr: Tetrachloro-m-xylene	93.8		195.9		47.9	22	157		0		

Sample ID: **1660-CCV-34177B**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/26/2021**	RunNo: **70808**
Client ID: **CCV**	Batch ID: **34177**		Analysis Date: **10/26/2021**	SeqNo: **1440237**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.987	0.0500	1.000	0	98.7	80	120				
Aroclor 1260	0.964	0.0500	1.000	0	96.4	80	120				
Surr: Decachlorobiphenyl	220		200.0		110	30.2	155				
Surr: Tetrachloro-m-xylene	205		200.0		103	58.8	143				

Work Order: 2110360
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1660-CCV-34177B** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/26/2021** RunNo: **70808**
Client ID: **CCV** Batch ID: **34177** Analysis Date: **10/26/2021** SeqNo: **1440237**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **1254-CCV-34177B** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/26/2021** RunNo: **70808**
Client ID: **CCV** Batch ID: **34177** Analysis Date: **10/26/2021** SeqNo: **1440284**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.875	0.0500	1.000	0	87.5	80	120				
Surr: Decachlorobiphenyl	221		200.0		111	30.2	155				
Surr: Tetrachloro-m-xylene	210		200.0		105	58.8	143				

Sample ID: **1660-CCV-34177C** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/27/2021** RunNo: **70808**
Client ID: **CCV** Batch ID: **34177** Analysis Date: **10/27/2021** SeqNo: **1440276**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.831	0.0500	1.000	0	83.1	80	120				
Aroclor 1260	0.837	0.0500	1.000	0	83.7	80	120				
Surr: Decachlorobiphenyl	199		200.0		99.6	30.2	155				
Surr: Tetrachloro-m-xylene	173		200.0		86.6	58.8	143				

Sample ID: **1254-CCV-34177C** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/27/2021** RunNo: **70808**
Client ID: **CCV** Batch ID: **34177** Analysis Date: **10/27/2021** SeqNo: **1440277**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.821	0.0500	1.000	0	82.1	80	120				
Surr: Decachlorobiphenyl	212		200.0		106	30.2	155				
Surr: Tetrachloro-m-xylene	186		200.0		93.2	58.8	143				

Work Order: 2110360
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **1660-CCV-34177D** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/27/2021** RunNo: **70808**
Client ID: **CCV** Batch ID: **34177** Analysis Date: **10/27/2021** SeqNo: **1440282**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.922	0.0500	1.000	0	92.2	80	120				
Aroclor 1260	0.848	0.0500	1.000	0	84.8	80	120				
Surr: Decachlorobiphenyl	189		200.0		94.4	30.2	155				
Surr: Tetrachloro-m-xylene	198		200.0		98.8	58.8	143				

Sample ID: **1254-CCV-34177D** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/27/2021** RunNo: **70808**
Client ID: **CCV** Batch ID: **34177** Analysis Date: **10/27/2021** SeqNo: **1440283**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	0.844	0.0500	1.000	0	84.4	80	120				
Surr: Decachlorobiphenyl	196		200.0		97.8	30.2	155				
Surr: Tetrachloro-m-xylene	202		200.0		101	58.8	143				

Work Order: 2110360
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **CCV-34186A**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/26/2021**	RunNo: **70812**
Client ID: **CCV**	Batch ID: **34186**		Analysis Date: **10/26/2021**	SeqNo: **1440296**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	501	5.00	500.0	0	100	80	120				
Surr: Toluene-d8	25.4		25.00		102	65	135				
Surr: 4-Bromofluorobenzene	26.5		25.00		106	65	135				

Sample ID: **LCS-34186**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **10/26/2021**	RunNo: **70812**
Client ID: **LCSS**	Batch ID: **34186**		Analysis Date: **10/26/2021**	SeqNo: **1440298**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	29.4	5.00	25.00	0	118	65	135				
Surr: Toluene-d8	1.29		1.250		103	65	135				
Surr: 4-Bromofluorobenzene	1.28		1.250		102	65	135				

Sample ID: **MB-34186**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **10/26/2021**	RunNo: **70812**
Client ID: **MBLKS**	Batch ID: **34186**		Analysis Date: **10/26/2021**	SeqNo: **1440299**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.25		1.250		99.9	65	135				
Surr: 4-Bromofluorobenzene	1.23		1.250		98.5	65	135				

Sample ID: **2110372-002BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **10/26/2021**	RunNo: **70812**
Client ID: **BATCH**	Batch ID: **34186**		Analysis Date: **10/26/2021**	SeqNo: **1440294**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.98						0	0	30	
Surr: Toluene-d8	1.52		1.495		101	65	135		0		
Surr: 4-Bromofluorobenzene	1.44		1.495		96.3	65	135		0		

Work Order: 2110360
CLIENT: Shannon & Wilson
Project: 8801- Excavations

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **2110360-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **10/26/2021** RunNo: **70812**
Client ID: **A3-BOT39: 5.5** Batch ID: **34186** Analysis Date: **10/27/2021** SeqNo: **1440288**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	3.90	5.54						3.709	5.05	30	J
Surr: Toluene-d8	1.40		1.385		101	65	135		0		
Surr: 4-Bromofluorobenzene	1.36		1.385		98.0	65	135		0		

Sample ID: **2110360-002BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **10/26/2021** RunNo: **70812**
Client ID: **A3-BOT40: 5** Batch ID: **34186** Analysis Date: **10/27/2021** SeqNo: **1440290**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	36.8	5.94	29.68	4.626	108	65	135				
Surr: Toluene-d8	1.53		1.484		103	65	135				
Surr: 4-Bromofluorobenzene	1.65		1.484		111	65	135				

Sample ID: **CCV-34186B** SampType: **CCV** Units: **mg/Kg** Prep Date: **10/27/2021** RunNo: **70812**
Client ID: **CCV** Batch ID: **34186** Analysis Date: **10/27/2021** SeqNo: **1440297**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	459	5.00	500.0	0	91.8	80	120				
Surr: Toluene-d8	25.4		25.00		101	65	135				
Surr: 4-Bromofluorobenzene	26.1		25.00		105	65	135				

Sample Log-In Check List

Client Name:	**SW**	Work Order Number:	**2110360**
Logged by:	**Gabrielle Coeuille**	Date Received:	**10/25/2021 4:00:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes	☑	No ☐	Not Present	☐
2.	How was the sample delivered?	Client				

Log In

3.	Coolers are present?	Yes	☑	No ☐	NA	☐
4.	Shipping container/cooler in good condition?	Yes	☑	No ☐		
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes	☐	No ☐	Not Present	☑
6.	Was an attempt made to cool the samples?	Yes	☑	No ☐	NA	☐
7.	Were all items received at a temperature of >2°C to 6°C *	Yes	☐	No ☑	NA	☐

Samples were collected the same day and chilled.

8.	Sample(s) in proper container(s)?	Yes	☑	No ☐		
9.	Sufficient sample volume for indicated test(s)?	Yes	☑	No ☐		
10.	Are samples properly preserved?	Yes	☑	No ☐		
11.	Was preservative added to bottles?	Yes	☐	No ☑	NA	☐
12.	Is there headspace in the VOA vials?	Yes	☐	No ☐	NA	☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes	☑	No ☐		
14.	Does paperwork match bottle labels?	Yes	☑	No ☐		
15.	Are matrices correctly identified on Chain of Custody?	Yes	☑	No ☐		
16.	Is it clear what analyses were requested?	Yes	☑	No ☐		
17.	Were all holding times able to be met?	Yes	☑	No ☐		

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes	☐	No ☐	NA	☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	9.9

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 10/25/21 | Page: 1 of: 1 | Laboratory Project No (internal): 2110360

Project Name: 8801-Excavations

Special Remarks: Refer to project methods,

Project No: 103485-009

Client: Shannon & Wilson

Collected by: Ryan Peterson

Address: 400 N. 34th Street Suite 100

Location: Tacoma, WA

City, State, Zip: Seattle, WA 98103

Report To (PM): Ryan Peterson

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Telephone:

PM Email: RBP@shannonwilson.com

Fax:

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Copper & PAHs				Comments
1	A3-BOT 39.5-5.5	10/25	1400	S	3			X				X				X					
2	A3-BOT 40-5	↓	1430	S	3			X				X				X					
3	A2-SIDE 17-2		1350	S	1												X				
4	TRIP-20211025		—	—	—			X													
5																					
6																					
7																					
8																					
9																					
10																					

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☒ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	RYAN PETERSON	10/25/21 1600	x Alex Trejo	Alex Trejo	10/25/21 16:00
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)		
x			x		

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DATA SET for Review -- Deliverable Requirements

Gasoline by NWTPH-Gx

Fremont Analytical Work Order No. 2110360

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Injection Log

Data Directory: D:\GC-27\DATA\101921\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 101904.D	8260B-0206-1.M			
No data found			0.000	N/A
2) 101901.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	49	1.000	19 Oct 2021 11:09 am
3) 101902.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	50	1.000	19 Oct 2021 11:39 am
4) 101903.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	51	1.000	19 Oct 2021 12:10 pm
5) 101905.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	53	1.000	19 Oct 2021 01:08 pm
6) 101906.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	49	1.000	19 Oct 2021 01:38 pm
7) 101907.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	50	1.000	19 Oct 2021 02:08 pm
8) 101908.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	51	1.000	19 Oct 2021 02:38 pm
9) 101909.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	52	1.000	19 Oct 2021 03:09 pm
10) 101910.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	53	1.000	19 Oct 2021 03:39 pm
11) 101911.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S	53	1.000	19 Oct 2021 04:11 pm
12) 101912.D	8260B-0206-1.M			
GX CAL1 25972	O-VOC-GX-W	54	1.000	19 Oct 2021 04:41 pm
13) 101913.D	8260B-0206-1.M			
GX CAL2	O-VOC-GX-W	55	1.000	19 Oct 2021 05:11 pm
14) 101914.D	8260B-0206-1.M			
GX CAL3	O-VOC-GX-W	56	1.000	19 Oct 2021 05:41 pm
15) 101915.D	8260B-0206-1.M			
GX CAL4	O-VOC-GX-W	57	1.000	19 Oct 2021 06:12 pm
16) 101916.D	8260B-0206-1.M			
GX CAL5	O-VOC-GX-W	58	1.000	19 Oct 2021 06:42 pm
17) 101917.D	8260B-0206-1.M			
GX CAL6	O-VOC-GX-W	59	1.000	19 Oct 2021 07:12 pm
18) 101918.D	8260B-0206-1.M			
GX CAL7	O-VOC-GX-W	60	1.000	19 Oct 2021 07:42 pm
19) 101919.D	8260B-0206-1.M			
CLEANOUT	O-VOC-GX-W	61	1.000	19 Oct 2021 08:12 pm
20) 101920.D	8260B-0206-1.M			
ICB	O-VOC-GX-W	62	1.000	19 Oct 2021 08:42 pm
21) 101921.D	8260B-0206-1.M			
ICV 25738	O-VOC-GX-W	63	1.000	19 Oct 2021 09:12 pm

22) 101922.D		8260B-0206-1.M				
CCV-34092A GX	O-VOC-GX-S		1	1.000	19 Oct 2021	09:43 pm
23) 101923.D		8260B-0206-1.M				
LCS-34092 GX	O-VOC-GX-S		2	1.000	19 Oct 2021	10:13 pm
24) 101924.D		8260B-0206-1.M				
CLEANOUT	O-VOC-GX-S		3	1.000	19 Oct 2021	10:43 pm
25) 101925.D		8260B-0206-1.M				
MB-34092	O-VOC-GX-S		4	1.000	19 Oct 2021	11:13 pm
26) 101926.D		8260B-0206-1.M				
2110251-004A TB	O-VOC-GX-S		5	1.000	19 Oct 2021	11:43 pm
27) 101927.D		8260B-0206-1.M				
2110251-001B	O-VOC-GX-S		6	1.000	20 Oct 2021	12:13 am
28) 101928.D		8260B-0206-1.M				
2110251-002B	O-VOC-GX-S		7	1.000	20 Oct 2021	12:43 am
29) 101929.D		8260B-0206-1.M				
2110251-003B	O-VOC-GX-S		8	1.000	20 Oct 2021	01:14 am
30) 101930.D		8260B-0206-1.M				
2110251-005B	O-VOC-GX-S		9	1.000	20 Oct 2021	01:44 am
31) 101931.D		8260B-0206-1.M				
2110251-009B	O-VOC-GX-S		10	1.000	20 Oct 2021	02:14 am
32) 101932.D		8260B-0206-1.M				
2110251-009BDUP	O-VOC-GX-S		11	1.000	20 Oct 2021	02:44 am
33) 101933.D		8260B-0206-1.M				
2110261-001B	O-VOC-GX-S		12	1.000	20 Oct 2021	03:14 am
34) 101934.D		8260B-0206-1.M				
2110251-007B	O-VOC-GX-S		13	1.000	20 Oct 2021	03:44 am
35) 101935.D		8260B-0206-1.M				
2110251-006B	O-VOC-GX-S		14	1.000	20 Oct 2021	04:14 am
36) 101936.D		8260B-0206-1.M				
2110251-008B	O-VOC-GX-S		15	1.000	20 Oct 2021	04:44 am
37) 101937.D		8260B-0206-1.M				
2110261-001BMS GX	O-VOC-GX-S		16	1.000	20 Oct 2021	05:14 am
38) 101938.D		8260B-0206-1.M				
CLEANOUT	O-VOC-GX-S		3	1.000	20 Oct 2021	05:45 am
39) 101939.D		8260B-0206-1.M				
CCV-34092B	O-VOC-GX-S		17	1.000	20 Oct 2021	06:15 am

Injection Log

Data Directory: D:\GC-27\DATA\102621\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	102538.D	8260B-0206-1.M			
CCV-34157C VOC	O-VOC-S		66	1.000	26 Oct 2021 06:52 am
2)	102539.D	8260B-0206-1.M			
CCV-34157C GX	O-VOC-GX-S		67	1.000	26 Oct 2021 07:22 am
3)	102601.D	8260B-0206-1.M			
CLEANOUT MeOH	O-VOC-S		1	1.000	26 Oct 2021 09:09 am
4)	102602.D	8260B-0206-1.M			
MB-34174	O-VOC-S		2	1.000	26 Oct 2021 09:39 am
5)	102603.D	8260B-0206-1.M			
2110359-001B	O-VOC-S		3	1.000	26 Oct 2021 10:09 am
6)	102604.D	8260B-0206-1.M			
2110359-002B	O-VOC-S		4	1.000	26 Oct 2021 10:39 am
7)	102605.D	8260B-0206-1.M			
2110359-003B	O-VOC-S		5	1.000	26 Oct 2021 11:09 am
8)	102606.D	8260B-0206-1.M			
2110359-004B	O-VOC-S		6	1.000	26 Oct 2021 11:40 am
9)	102607.D	8260B-0206-1.M			
2110359-005B	O-VOC-S		7	1.000	26 Oct 2021 12:10 pm
10)	102608.D	8260B-0206-1.M			
2110359-006B	O-VOC-S		8	1.000	26 Oct 2021 12:40 pm
11)	102609.D	8260B-0206-1.M			
2110359-007B	O-VOC-S		9	1.000	26 Oct 2021 01:10 pm
12)	102610.D	8260B-0206-1.M			
2110359-007BDUP	O-VOC-S		10	1.000	26 Oct 2021 01:40 pm
13)	102611.D	8260B-0206-1.M			
2110359-006BMS VOC	O-VOC-S		11	1.000	26 Oct 2021 02:10 pm
14)	102612.D	8260B-0206-1.M			
CCV-34174B VOC	O-VOC-S		12	1.000	26 Oct 2021 02:40 pm
15)	102613.D	8260B-0206-1.M			
CCV-34186A_LCS-341..	O-VOC-S		13	1.000	26 Oct 2021 05:56 pm
16)	102614.D	8260B-0206-1.M			
CCV-34186A GX	O-VOC-S		14	1.000	26 Oct 2021 06:26 pm
17)	102615.D	8260B-0206-1.M			
LCS-34186 GX	O-VOC-S		15	1.000	26 Oct 2021 06:56 pm
18)	102616.D	8260B-0206-1.M			
CLEANOUT	O-VOC-S		16	1.000	26 Oct 2021 07:27 pm
19)	102617.D	8260B-0206-1.M			
MB-34186	O-VOC-S		17	1.000	26 Oct 2021 07:57 pm
20)	102618.D	8260B-0206-1.M			
2110360-004A TB	O-VOC-S		18	1.000	26 Oct 2021 08:27 pm
21)	102619.D	8260B-0206-1.M			
2110374-007A TB	O-VOC-S		19	1.000	26 Oct 2021 08:57 pm

22) 102620.D 8260B-0206-1.M
2110372-001B O-VOC-S 20 1.000 26 Oct 2021 09:27 pm

23) 102621.D 8260B-0206-1.M
2110372-002B O-VOC-S 21 1.000 26 Oct 2021 09:57 pm

24) 102622.D 8260B-0206-1.M
2110372-002BDUP O-VOC-S 22 1.000 26 Oct 2021 10:27 pm

25) 102623.D 8260B-0206-1.M
2110372-003B O-VOC-S 23 1.000 26 Oct 2021 10:58 pm

26) 102624.D 8260B-0206-1.M
2110372-004B O-VOC-S 24 1.000 26 Oct 2021 11:28 pm

27) 102625.D 8260B-0206-1.M
2110374-001B O-VOC-S 25 1.000 26 Oct 2021 11:58 pm

28) 102626.D 8260B-0206-1.M
2110374-002B O-VOC-S 26 1.000 27 Oct 2021 12:28 am

29) 102627.D 8260B-0206-1.M
2110374-003B O-VOC-S 27 1.000 27 Oct 2021 12:58 am

30) 102628.D 8260B-0206-1.M
2110374-004B O-VOC-S 28 1.000 27 Oct 2021 01:28 am

31) 102629.D 8260B-0206-1.M
2110374-005B O-VOC-S 29 1.000 27 Oct 2021 01:58 am

32) 102630.D 8260B-0206-1.M
2110374-006B O-VOC-S 30 1.000 27 Oct 2021 02:28 am

33) 102631.D 8260B-0206-1.M
2110360-001B O-VOC-S 31 1.000 27 Oct 2021 02:59 am

34) 102632.D 8260B-0206-1.M
2110360-001BDUP O-VOC-S 32 1.000 27 Oct 2021 03:29 am

35) 102633.D 8260B-0206-1.M
2110360-002B O-VOC-S 33 1.000 27 Oct 2021 03:59 am

36) 102634.D 8260B-0206-1.M
2110374-003BMS VOC O-VOC-S 34 1.000 27 Oct 2021 04:29 am

37) 102635.D 8260B-0206-1.M
2110360-002BMS GX O-VOC-S 35 1.000 27 Oct 2021 04:59 am

38) 102636.D 8260B-0206-1.M
CCV-34186B VOC O-VOC-S 36 1.000 27 Oct 2021 05:29 am

39) 102637.D 8260B-0206-1.M
CCV-34186B GX O-VOC-S 37 1.000 27 Oct 2021 05:59 am

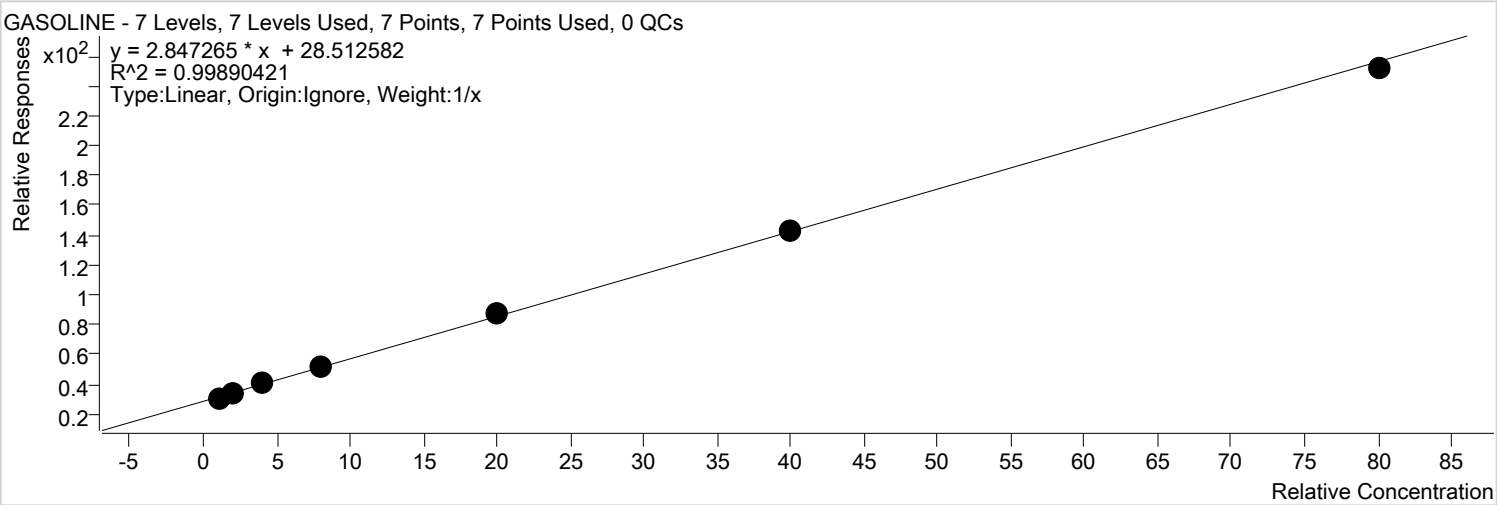
Calibration

Calibration Report

Agilent Technologies

Batch Path	D:\GC-27\DATA\101921\QuantResults\GX CAL.batch.bin		
Analysis Time	10/20/2021 10:13 AM	**Analyst Name**	FA\GC27
Report Time	10/20/2021 10:14:08 AM	**Reporter Name**	FA\GC27
Last Calib Update	10/20/2021 7:43 AM	**Batch State**	Processed
Quant Batch Version	B.09.00	**Quant Report Version**	B.09.00

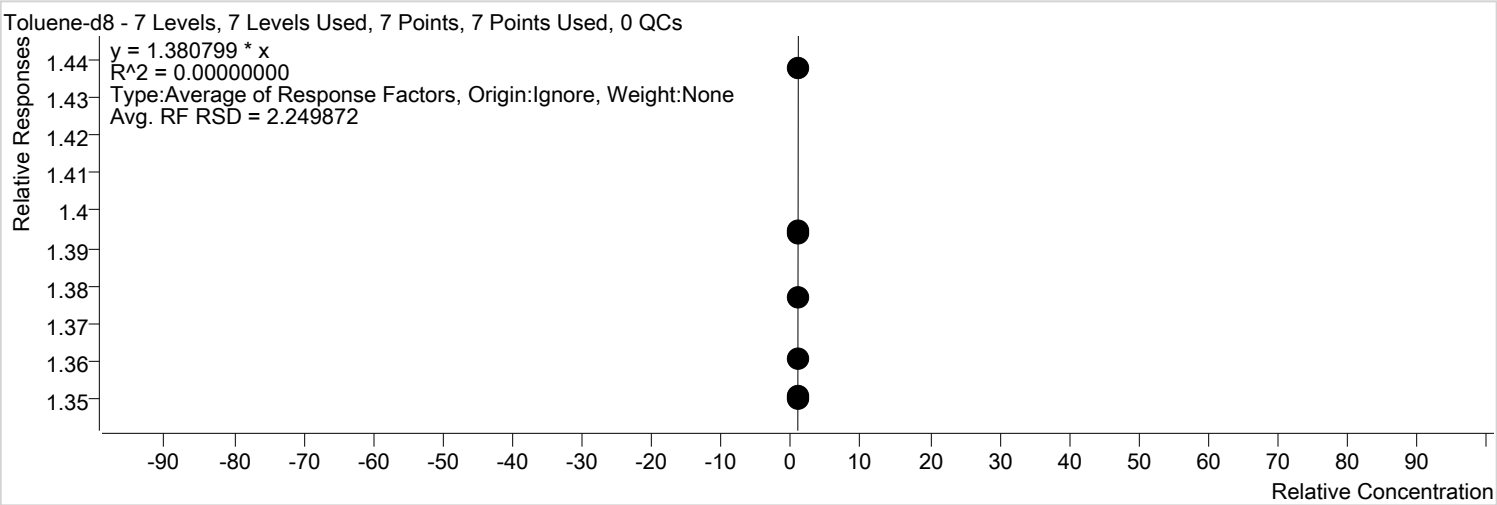
GASOLINE %RSE = 8.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\101921\101912.D	Calibration	1	x	48018772	25.0000	30.8745	
D:\GC-27\DATA\101921\101913.D	Calibration	2	x	52505551	50.0000	17.2197	
D:\GC-27\DATA\101921\101914.D	Calibration	3	x	59157251	100.0000	10.1278	
D:\GC-27\DATA\101921\101915.D	Calibration	4	x	76915258	200.0000	6.5317	
D:\GC-27\DATA\101921\101916.D	Calibration	5	x	129387279	500.0000	4.4124	
D:\GC-27\DATA\101921\101917.D	Calibration	6	x	221771404	1000.0000	3.5766	
D:\GC-27\DATA\101921\101918.D	Calibration	7	x	400986917	2000.0000	3.1440	

Batch Path	D:\GC-27\DATA\101921\QuantResults\GX CAL.batch.bin		
Analysis Time	10/20/2021 10:13 AM	**Analyst Name**	FA\GC27
Report Time	10/20/2021 10:14:10 AM	**Reporter Name**	FA\GC27
Last Calib Update	10/20/2021 7:43 AM	**Batch State**	Processed
Quant Batch Version	B.09.00	**Quant Report Version**	B.09.00

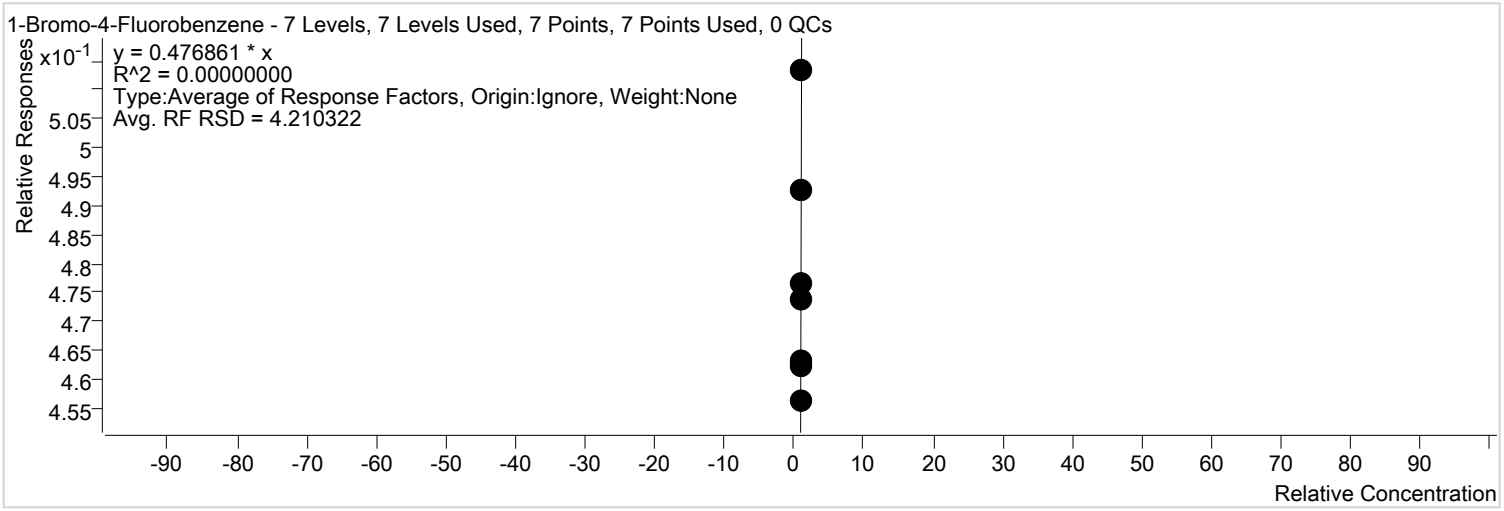
Toluene-d8 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\101921\101918.D	Calibration	7	x	3102347	25.0000	1.4374	
D:\GC-27\DATA\101921\101917.D	Calibration	6	x	2973428	25.0000	1.3940	
D:\GC-27\DATA\101921\101916.D	Calibration	5	x	2923053	25.0000	1.3948	
D:\GC-27\DATA\101921\101915.D	Calibration	4	x	2852409	25.0000	1.3768	
D:\GC-27\DATA\101921\101914.D	Calibration	3	x	2873516	25.0000	1.3509	
D:\GC-27\DATA\101921\101913.D	Calibration	2	x	2957400	25.0000	1.3611	
D:\GC-27\DATA\101921\101912.D	Calibration	1	x	2959509	25.0000	1.3505	

Batch Path	D:\GC-27\DATA\101921\QuantResults\GX CAL.batch.bin		
Analysis Time	10/20/2021 10:13 AM	**Analyst Name**	FA\GC27
Report Time	10/20/2021 10:14:10 AM	**Reporter Name**	FA\GC27
Last Calib Update	10/20/2021 7:43 AM	**Batch State**	Processed
Quant Batch Version	B.09.00	**Quant Report Version**	B.09.00

1-Bromo-4-Fluorobenzene %RSE =

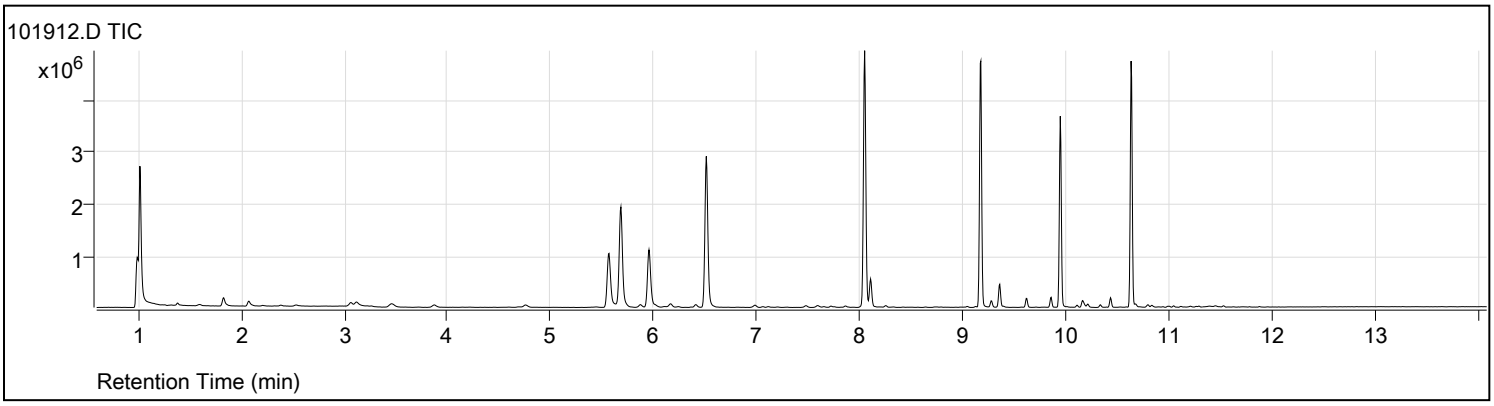


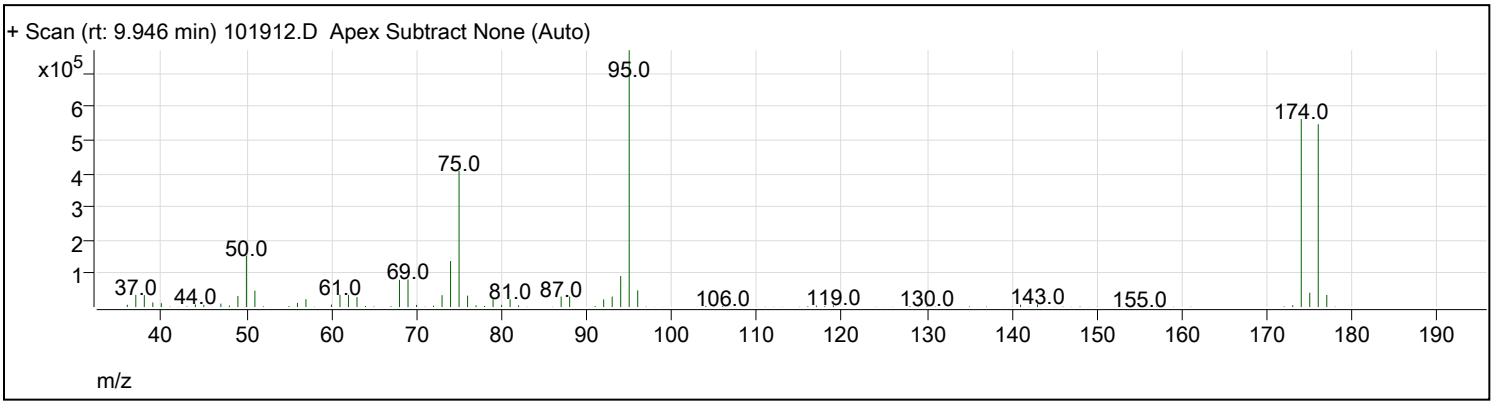
Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\101921\101918.D	Calibration	7	x	1107824	25.0000	0.5133	
D:\GC-27\DATA\101921\101917.D	Calibration	6	x	1051388	25.0000	0.4929	
D:\GC-27\DATA\101921\101916.D	Calibration	5	x	992952	25.0000	0.4738	
D:\GC-27\DATA\101921\101915.D	Calibration	4	x	986958	25.0000	0.4764	
D:\GC-27\DATA\101921\101914.D	Calibration	3	x	970963	25.0000	0.4565	
D:\GC-27\DATA\101921\101913.D	Calibration	2	x	1004041	25.0000	0.4621	
D:\GC-27\DATA\101921\101912.D	Calibration	1	x	1014725	25.0000	0.4630	

Tunes

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\101921\101912.D
Acq on:	10/19/2021 4:41:32 PM
Operator:	cmr
Sample:	GX CAL1 25972
Inst Name:	GC-27
ALS Vial:	54
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

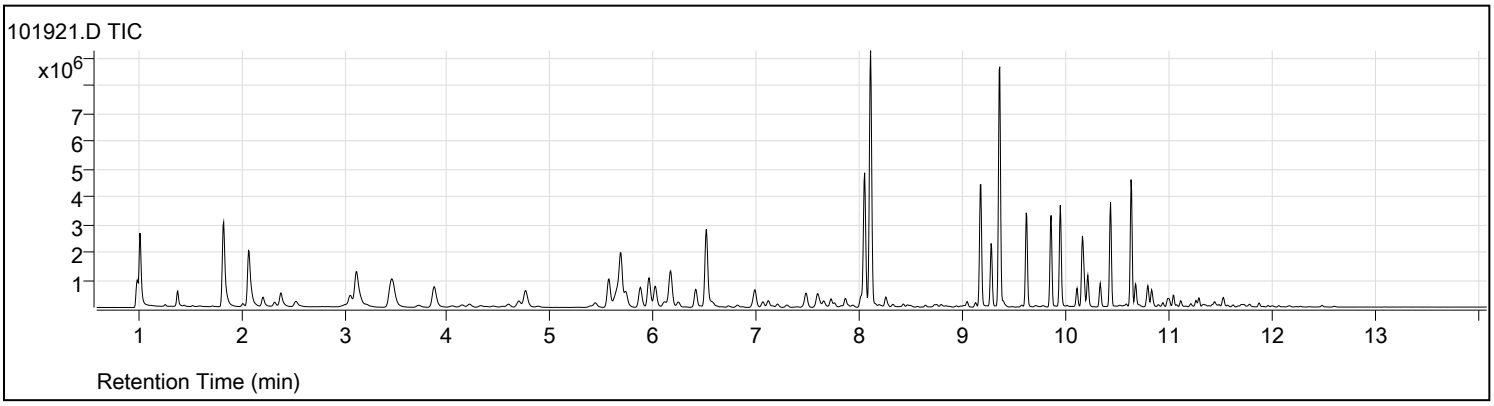


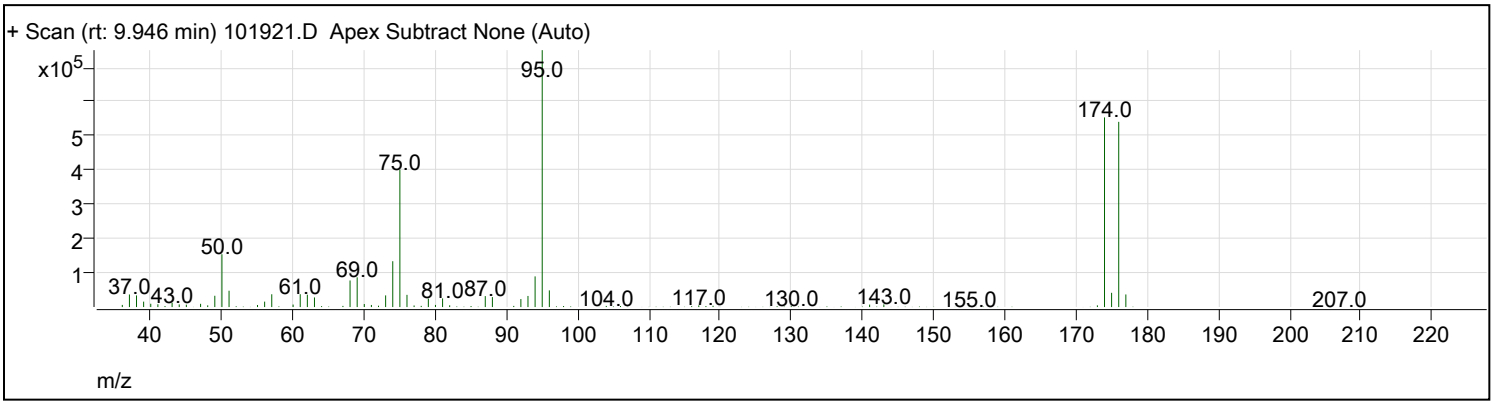


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	136.7	769642	Pass
96	95	5	9	6.5	49876	Pass
173	174	0	2	1.0	5375	Pass
174	95	50	200	73.2	563189	Pass
175	174	5	9	7.6	42958	Pass
176	174	95	105	97.2	547597	Pass
177	176	5	10	6.6	36143	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\101921\101921.D
Acq on:	10/19/2021 9:13:00 PM
Operator:	cmr
Sample:	ICV 25738
Inst Name:	GC-27
ALS Vial:	63
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

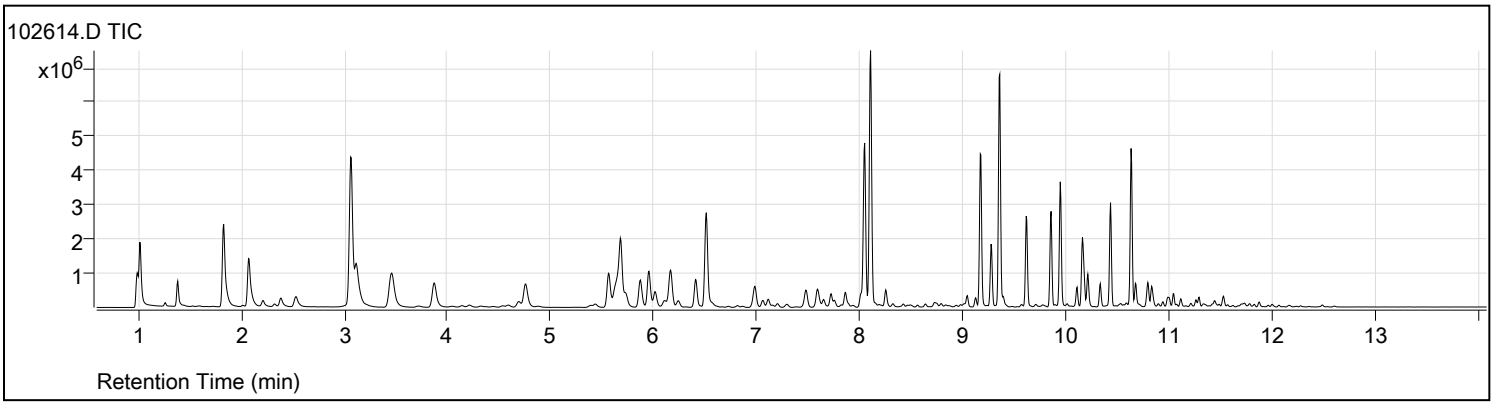


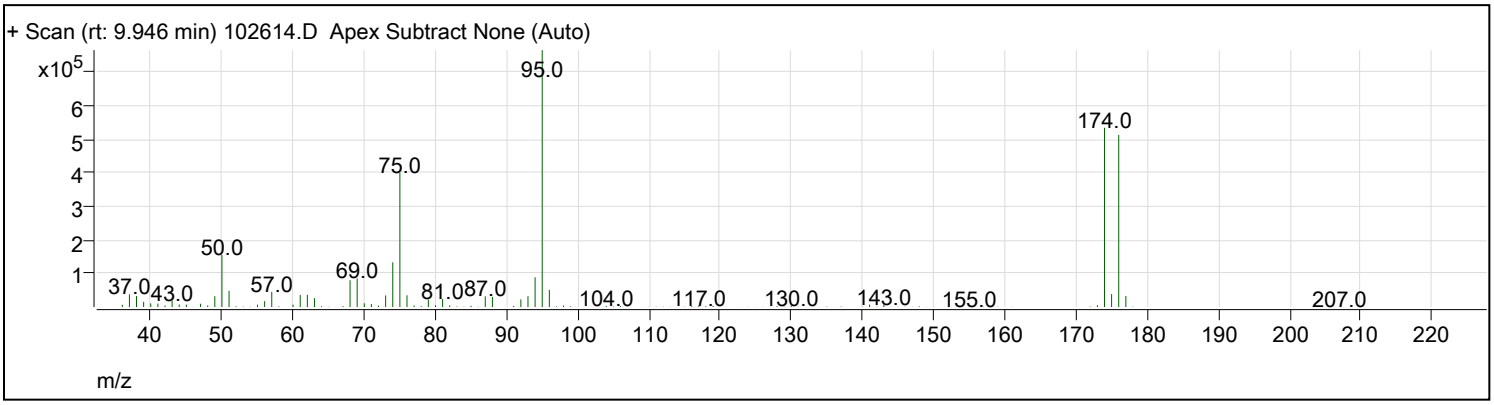


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	135.5	750451	Pass
96	95	5	9	6.5	48704	Pass
173	174	0	2	0.9	4900	Pass
174	95	50	200	73.8	553930	Pass
175	174	5	9	7.5	41554	Pass
176	174	95	105	97.7	541037	Pass
177	176	5	10	6.8	36819	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\102621\102614.D
Acq on:	10/26/2021 6:26:52 PM
Operator:	cmr
Sample:	CCV-34186A GX
Inst Name:	GC-27
ALS Vial:	14
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

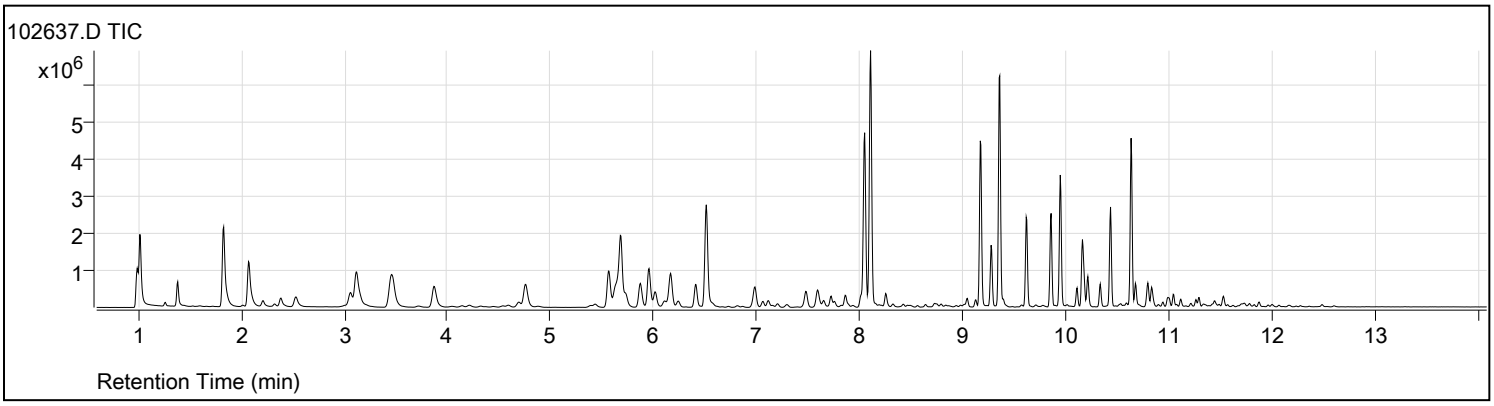


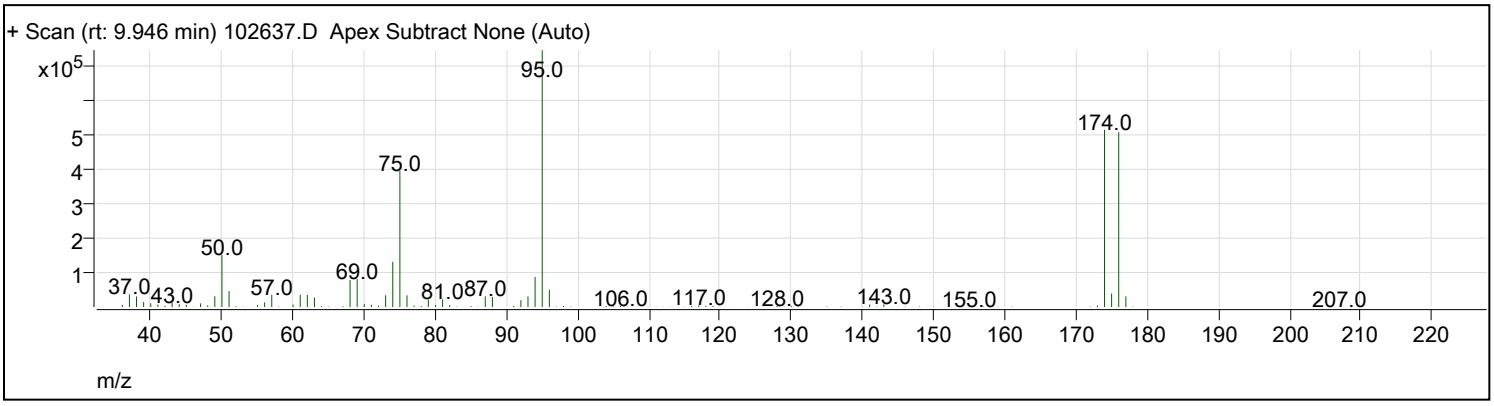


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	143.3	763915	Pass
96	95	5	9	6.7	51033	Pass
173	174	0	2	1.0	5416	Pass
174	95	50	200	69.8	533092	Pass
175	174	5	9	7.2	38532	Pass
176	174	95	105	96.0	511890	Pass
177	176	5	10	6.4	32922	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\102621\102637.D
Acq on:	10/27/2021 5:59:57 AM
Operator:	cmr
Sample:	CCV-34186B GX
Inst Name:	GC-27
ALS Vial:	37
Method:	D:\MassHunter\Methods\Quant\BFB2021.m





Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	144.9	743102	Pass
96	95	5	9	6.8	50324	Pass
173	174	0	2	0.9	4679	Pass
174	95	50	200	69.0	512790	Pass
175	174	5	9	7.6	39012	Pass
176	174	95	105	98.6	505782	Pass
177	176	5	10	6.1	31069	Pass

DATA SET for Review -- Deliverable Requirements

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Fremont Analytical Work Order No. 2110360

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Injection Log

Data Directory: C:\GC-14\Data\2021\082321\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	082301.D	PAH-SIM.M			
co			2	1.000	23 Aug 2021 08:14 am
2)	082302.D	SEMI9.M			
TUNE			1	1.000	23 Aug 2021 08:35 am
3)	082303.D	PAH-SIM.M			
CCV-			2	1.000	23 Aug 2021 08:57 am
4)	082304.D	PAH-SIM.M			
PAH 10			12	1.000	23 Aug 2021 09:38 am
5)	082305.D	PAH-SIM.M			
PAH 20			13	1.000	23 Aug 2021 09:59 am
6)	082306.D	PAH-SIM.M			
PAH 40			14	1.000	23 Aug 2021 10:21 am
7)	082307.D	PAH-SIM.M			
PAH 100			15	1.000	23 Aug 2021 10:42 am
8)	082308.D	PAH-SIM.M			
PAH 200			16	1.000	23 Aug 2021 11:04 am
9)	082309.D	PAH-SIM.M			
PAH 500			17	1.000	23 Aug 2021 11:25 am
10)	082310.D	PAH-SIM.M			
PAH 750			18	1.000	23 Aug 2021 11:47 am
11)	082311.D	PAH-SIM.M			
PAH 1000			19	1.000	23 Aug 2021 12:09 pm
12)	082312.D	PAH-SIM.M			
PAH 2000			20	1.000	23 Aug 2021 12:30 pm
13)	082313.D	PAH-SIM.M			
PAH 5000			21	1.000	23 Aug 2021 12:52 pm
14)	082314.D	PAH-SIM.M			
PAH ICB			22	1.000	23 Aug 2021 01:14 pm
15)	082315.D	PAH-SIM.M			
PAH ICV			23	1.000	23 Aug 2021 01:35 pm
16)	082316.D	PAH-SIM.M			
CO			2	1.000	23 Aug 2021 01:57 pm
17)	082317.D	PAH-LOWLEVEL.M			
PAH LL 2			11	1.000	23 Aug 2021 02:19 pm
18)	082318.D	PAH-LOWLEVEL.M			
PAH LL 10			12	1.000	23 Aug 2021 02:40 pm
19)	082319.D	PAH-LOWLEVEL.M			
PAH LL 20			13	1.000	23 Aug 2021 03:02 pm
20)	082320.D	PAH-LOWLEVEL.M			
PAH LL 40			14	1.000	23 Aug 2021 03:23 pm
21)	082321.D	PAH-LOWLEVEL.M			
PAH LL 100			15	1.000	23 Aug 2021 03:45 pm

22) 082322.D	PAH-LOWLEVEL.M				
PAH LL 200		16	1.000	23 Aug 2021	04:07 pm
23) 082323.D	PAH-LOWLEVEL.M				
PAH LL 500		17	1.000	23 Aug 2021	04:28 pm
24) 082324.D	PAH-LOWLEVEL.M				
PAH LL 750		18	1.000	23 Aug 2021	04:50 pm
25) 082325.D	PAH-LOWLEVEL.M				
PAH LL 1000		19	1.000	23 Aug 2021	05:11 pm
26) 082326.D	PAH-LOWLEVEL.M				
PAH LL 2000		20	1.000	23 Aug 2021	05:33 pm
27) 082327.D	PAH-LOWLEVEL.M				
PAH LL 5000		21	1.000	23 Aug 2021	05:55 pm
28) 082328.D	PAH-LOWLEVEL.M				
PAH LL ICB		22	1.000	23 Aug 2021	06:16 pm
29) 082329.D	PAH-LOWLEVEL.M				
PAH LL ICV		23	1.000	23 Aug 2021	06:38 pm

Injection Log

Data Directory: C:\GC-14\Data\2021\102521\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	102501.D	8270E_SIM_625.M			
CO			2	1.000	25 Oct 2021 08:39 am
2)	102502.D	8270E_SCAN_625.M			
TUNE			1	1.000	25 Oct 2021 09:00 am
3)	102503.D	8270E_SIM_625.M			
CCV			2	1.000	25 Oct 2021 09:23 am
4)	102504.D	8270E_SIM_625.M			
CCV-NEW			2	1.000	25 Oct 2021 10:52 am
5)	102505.D	8270E_SIM_625.M			
CO			2	1.000	25 Oct 2021 11:45 am
6)	102506.D	8270E_SIM_625.M			
CO			2	1.000	25 Oct 2021 12:07 pm
7)	102507.D	8270E_SIM_625.M			
CCV-34152			2	1.000	25 Oct 2021 12:30 pm
8)	102508.D	8270E_SIM_625.M			
MB-34152			21	1.000	25 Oct 2021 12:52 pm
9)	102509.D	8270E_SIM_625.M			
LCS-34152			22	1.000	25 Oct 2021 01:14 pm
10)	102510.D	8270E_SIM_625.M			
2110334-001A			23	1.000	25 Oct 2021 01:36 pm
11)	102511.D	8270E_SIM_625.M			
2110334-001AMS			24	1.000	25 Oct 2021 01:57 pm
12)	102512.D	8270E_SIM_625.M			
LCSD-34152			25	1.000	25 Oct 2021 02:19 pm
13)	102513.D	8270E_SIM_625.M			
QCS-34152			2	1.000	25 Oct 2021 02:41 pm
14)	102514.D	8270E_SIM_625.M			
CCV-34141			2	1.000	25 Oct 2021 03:03 pm
15)	102515.D	8270E_SIM_625.M			
MB-34141			31	1.000	25 Oct 2021 03:24 pm
16)	102516.D	8270E_SIM_625.M			
LCS-34141			32	1.000	25 Oct 2021 03:46 pm
17)	102517.D	8270E_SIM_625.M			
LCSD-34141			33	1.000	25 Oct 2021 04:08 pm
18)	102518.D	8270E_SIM_625.M			
2110302-001B			34	1.000	25 Oct 2021 04:30 pm
19)	102519.D	8270E_SIM_625.M			
2110302-001BMS			35	1.000	25 Oct 2021 04:51 pm
20)	102520.D	8270E_SIM_625.M			
2110306-001C			36	1.000	25 Oct 2021 05:13 pm
21)	102521.D	8270E_SIM_625.M			
2110306-002C			37	1.000	25 Oct 2021 05:35 pm

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 22) 102522.D              8270E_SIM_625.M
Fisher Blank Test                      38    1.000     25 Oct 2021  05:56 pm
  ----------------------------------------------------------------------------
 23) 102523.D              8270E_SIM_625.M
MB-34161                              101    1.000     25 Oct 2021  06:18 pm
  ----------------------------------------------------------------------------
 24) 102524.D              8270E_SIM_625.M
LCS-34161                             102    1.000     25 Oct 2021  06:40 pm
  ----------------------------------------------------------------------------
 25) 102525.D              8270E_SIM_625.M
2110311-001A                          103    1.000     25 Oct 2021  07:01 pm
  ----------------------------------------------------------------------------
 26) 102526.D              8270E_SIM_625.M
2110311-002A                          104    1.000     25 Oct 2021  07:23 pm
  ----------------------------------------------------------------------------
 27) 102527.D              8270E_SIM_625.M
2110311-002AMS                        105    1.000     25 Oct 2021  07:45 pm
  ----------------------------------------------------------------------------
 28) 102528.D              8270E_SIM_625.M
2110311-002AMSD                       106    1.000     25 Oct 2021  08:06 pm
  ----------------------------------------------------------------------------
 29) 102529.D              8270E_SIM_625.M
2110311-003A                          107    1.000     25 Oct 2021  08:28 pm
  ----------------------------------------------------------------------------
 30) 102530.D              8270E_SIM_625.M
2110311-004A                          108    1.000     25 Oct 2021  08:49 pm
  ----------------------------------------------------------------------------
 31) 102531.D              8270E_SIM_625.M
QCS-34141                               2    1.000     25 Oct 2021  09:11 pm
  ----------------------------------------------------------------------------
 32) 102601.D              8270E_SIM_625.M
CO                                      2    1.000     26 Oct 2021  08:05 am
  ----------------------------------------------------------------------------
 33) 102602.D              8270E_SCAN_625.M
TUNE                                    1    1.000     26 Oct 2021  08:26 am
  ----------------------------------------------------------------------------
 34) 102603.D              8270E_SIM_625.M
CCV                                     2    1.000     26 Oct 2021  08:48 am
  ----------------------------------------------------------------------------
 35) 102604.D              8270E_SIM_625.M
357-1 test                             10    1.000     26 Oct 2021  09:10 am
  ----------------------------------------------------------------------------
 36) 102605.D              8270E_SIM_625.M
CO                                      2    1.000     26 Oct 2021  09:55 am
  ----------------------------------------------------------------------------
 37) 102607.D              8270E_SIM_625.M
2110357-001A                           11    1.000     26 Oct 2021  10:23 am
  ----------------------------------------------------------------------------
 38) 102608.D              8270E_SIM_625.M
2110357-002A                           12    1.000     26 Oct 2021  10:45 am
  ----------------------------------------------------------------------------
 39) 102609.D              8270E_SIM_625.M
2110357-003A                           13    1.000     26 Oct 2021  11:06 am
  ----------------------------------------------------------------------------
 40) 102610.D              8270E_SIM_625.M
2110357-004A                           14    1.000     26 Oct 2021  11:28 am
  ----------------------------------------------------------------------------
 41) 102611.D              8270E_SIM_625.M
2110357-005A                           15    1.000     26 Oct 2021  11:50 am
  ----------------------------------------------------------------------------
 42) 102612.D              8270E_SIM_625.M
QCS-34161                               2    1.000     26 Oct 2021  12:11 pm
  ----------------------------------------------------------------------------
 43) 102613.D              8270E_SIM_625_LOWLEVEL.M
CCV-34164                               2    1.000     26 Oct 2021  12:47 pm
  ----------------------------------------------------------------------------
 44) 102614.D              8270E_SIM_625_LOWLEVEL.M
MB-34164                               21    1.000     26 Oct 2021  01:08 pm
  ----------------------------------------------------------------------------
 45) 102615.D              8270E_SIM_625_LOWLEVEL.M
```

CO — BB 12/8/21 CCV-34161

LCS-34164 22 1.000 26 Oct 2021 01:30 pm

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46) 102616.D 8270E_SIM_625_LOWLEVEL.M
LCSD-34164 23 1.000 26 Oct 2021 01:52 pm

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47) 102617.D 8270E_SIM_625_LOWLEVEL.M
2110282-001C 24 1.000 26 Oct 2021 02:13 pm

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48) 102618.D 8270E_SIM_625_LOWLEVEL.M
LCS-LL-34164 25 1.000 26 Oct 2021 02:35 pm

---

49) 102619.D 8270E_SIM_625_LOWLEVEL.M
QCS-34164 2 1.000 26 Oct 2021 02:57 pm

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50) 102620.D 8270E_SIM_625.M
CCV-34161 2 1.000 26 Oct 2021 03:51 pm

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51) 102621.D 8270E_SIM_625.M
2110360-003A 16 1.000 26 Oct 2021 04:13 pm

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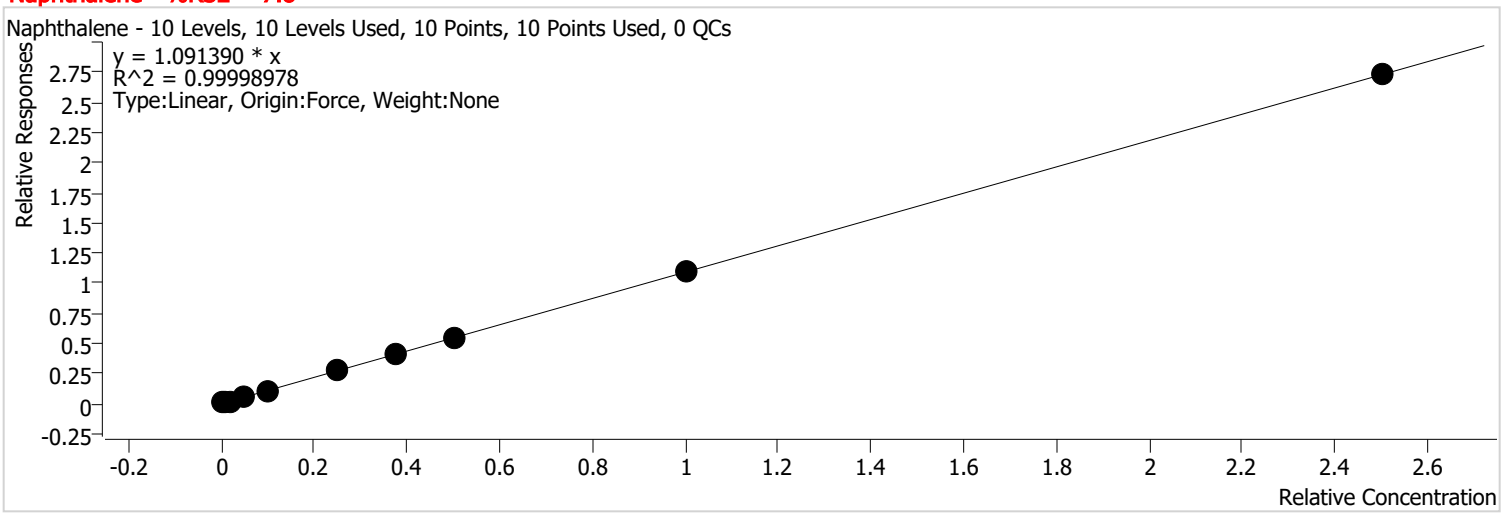
52) 102622.D 8270E_SIM_625.M
QCS-34161 2 1.000 26 Oct 2021 04:34 pm

Calibration

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:53 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Naphthalene %RSE = 7.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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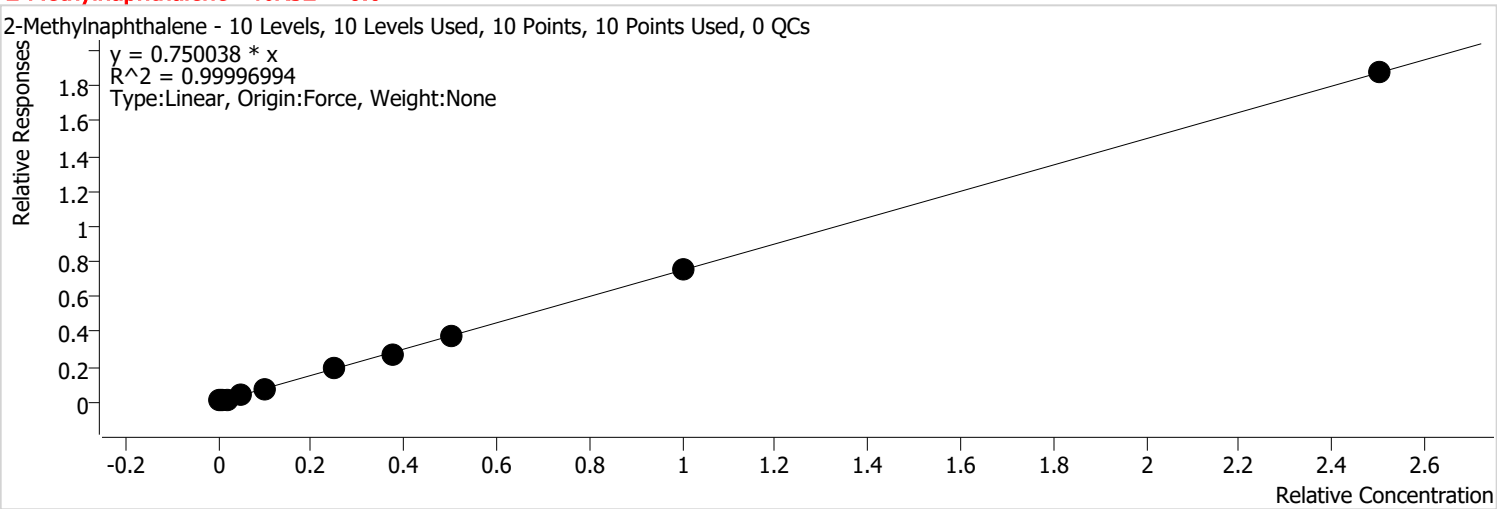
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	887	20.0000	1.2229	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1651	40.0000	1.2104	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3872	100.0000	1.1251	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	7971	200.0000	1.1282	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	20406	500.0000	1.1157	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	29917	750.0000	1.0885	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	40650	1000.0000	1.0924	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	83113	2000.0000	1.0897	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	205815	5000.0000	1.0914	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Methylnaphthalene %RSE = 6.0

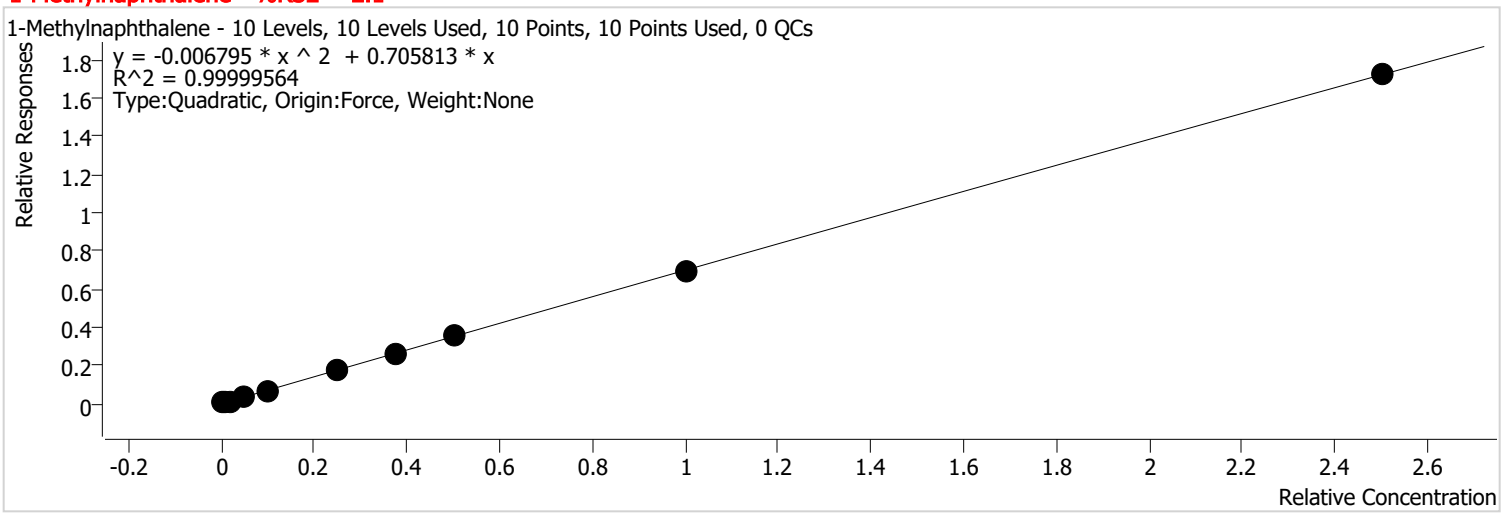


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	250	10.0000	0.7025	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	469	20.0000	0.6468	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1037	40.0000	0.7602	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2425	100.0000	0.7047	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5101	200.0000	0.7219	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	13625	500.0000	0.7450	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	20001	750.0000	0.7277	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	28064	1000.0000	0.7542	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	57289	2000.0000	0.7511	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	141499	5000.0000	0.7503	

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1-Methylnaphthalene %RSE = 2.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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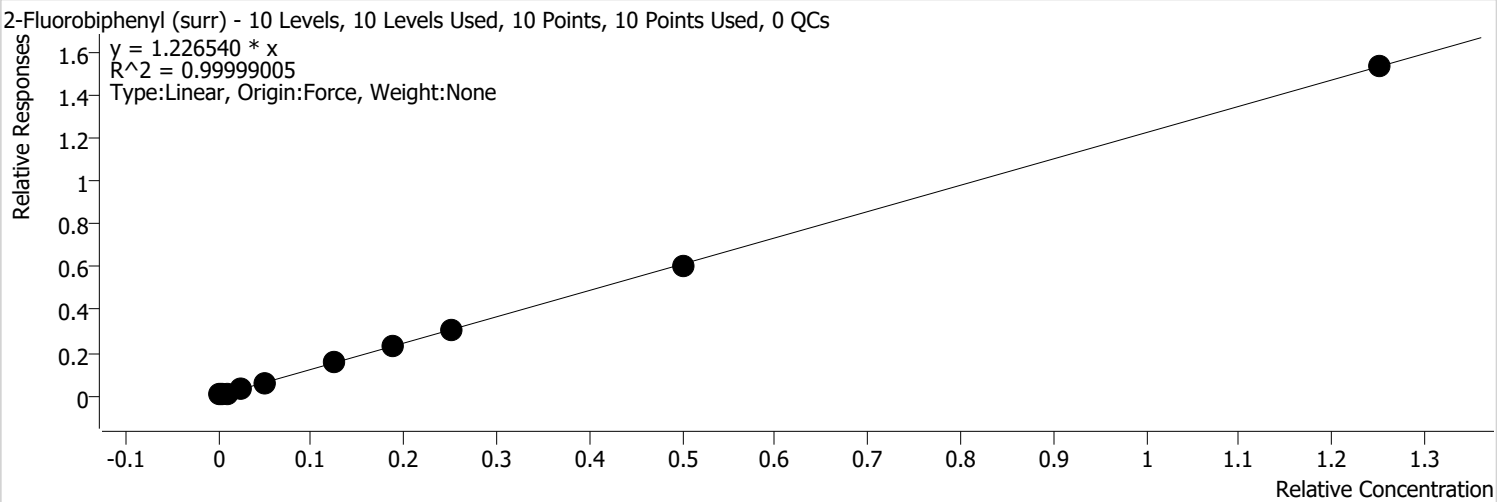
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	503	20.0000	0.6931	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	993	40.0000	0.7279	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2442	100.0000	0.7097	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5072	200.0000	0.7179	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	13003	500.0000	0.7109	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	19431	750.0000	0.7070	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	26181	1000.0000	0.7036	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	53165	2000.0000	0.6970	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	129920	5000.0000	0.6889	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Fluorobiphenyl (surr) %RSE =

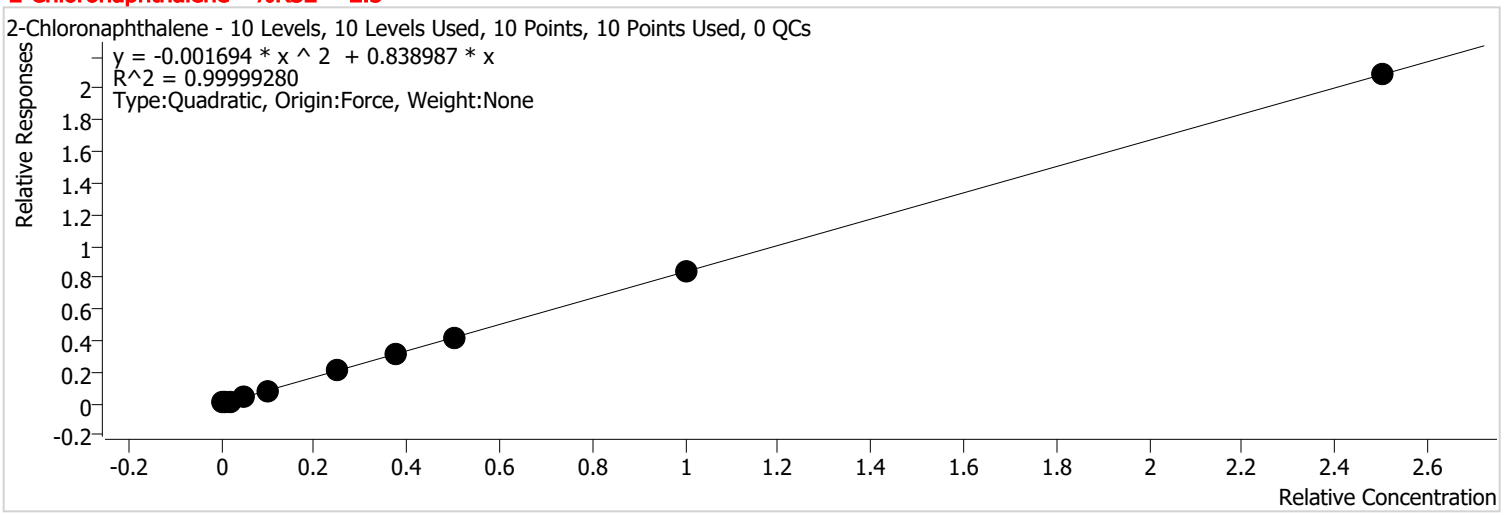


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	231	5.0000	1.2959	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	459	10.0000	1.2652	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	878	20.0000	1.2880	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2123	50.0000	1.2340	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	4467	100.0000	1.2646	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	11437	250.0000	1.2507	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	16924	375.0000	1.2316	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	22912	500.0000	1.2315	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	46614	1000.0000	1.2223	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	115659	2500.0000	1.2266	

Calibration Report

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

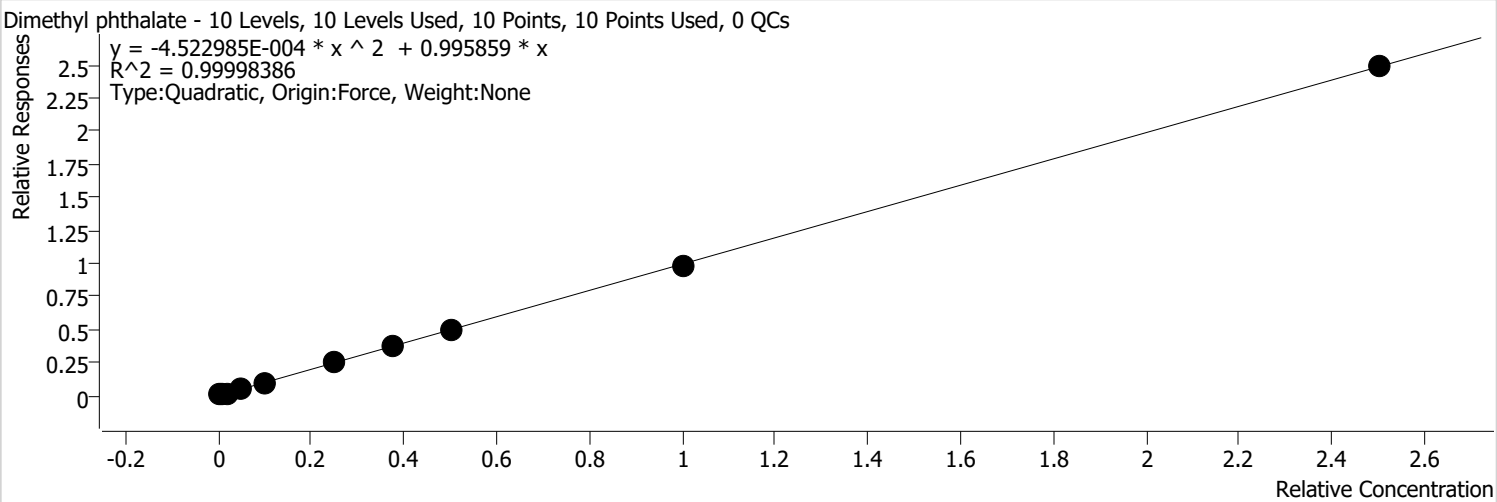
2-Chloronaphthalene %RSE = 2.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	312	10.0000	0.8747	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	598	20.0000	0.8252	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1141	40.0000	0.8365	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2799	100.0000	0.8132	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	6045	200.0000	0.8555	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	15491	500.0000	0.8469	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	22743	750.0000	0.8275	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	31282	1000.0000	0.8407	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	63893	2000.0000	0.8377	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	157418	5000.0000	0.8347	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

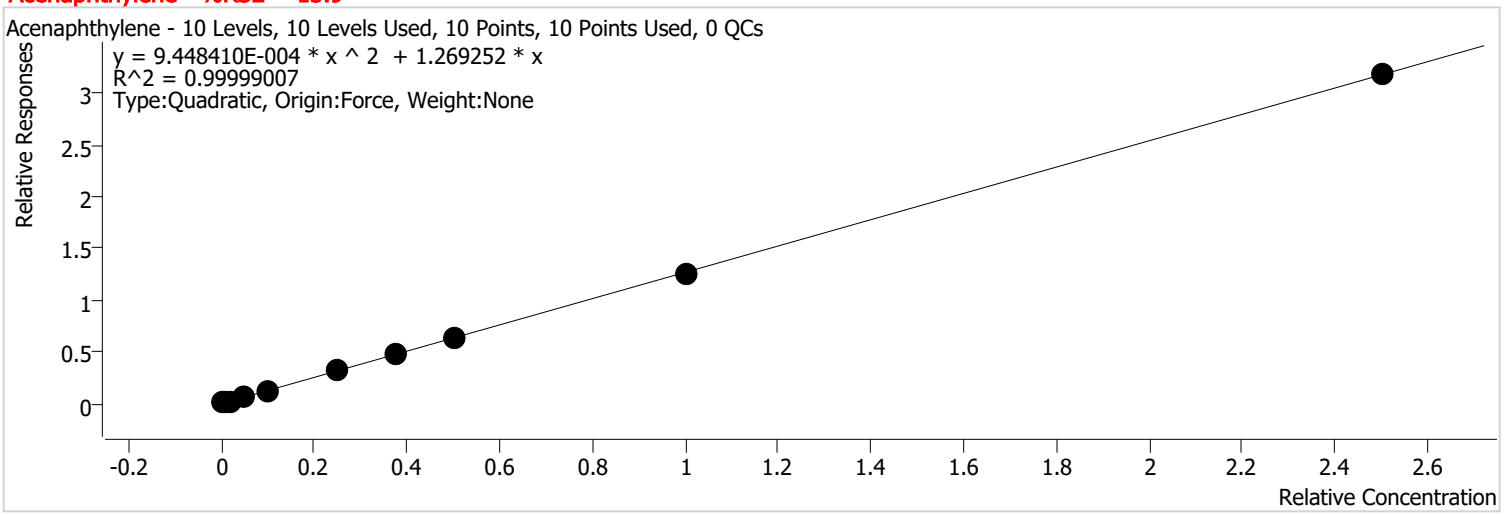
Dimethyl phthalate %RSE = 29.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	617	10.0000	1.7331	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	853	20.0000	1.1756	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1502	40.0000	1.1011	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3475	100.0000	1.0099	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	7239	200.0000	1.0246	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	18444	500.0000	1.0084	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	27735	750.0000	1.0092	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	37045	1000.0000	0.9956	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	75582	2000.0000	0.9909	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	187633	5000.0000	0.9950	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

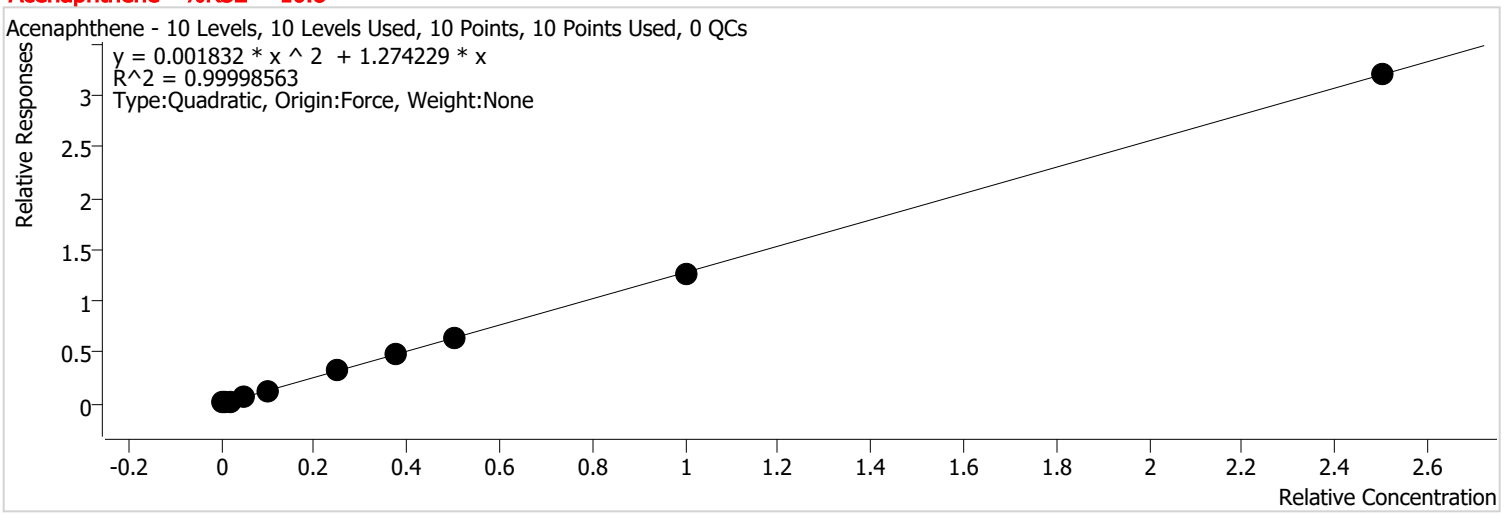
Acenaphthylene %RSE = 13.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	608	10.0000	1.7079	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1016	20.0000	1.4012	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1825	40.0000	1.3381	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4381	100.0000	1.2729	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	9258	200.0000	1.3103	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	23709	500.0000	1.2963	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	34978	750.0000	1.2727	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	47244	1000.0000	1.2697	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	96590	2000.0000	1.2663	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	239846	5000.0000	1.2718	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Acenaphthene %RSE = 10.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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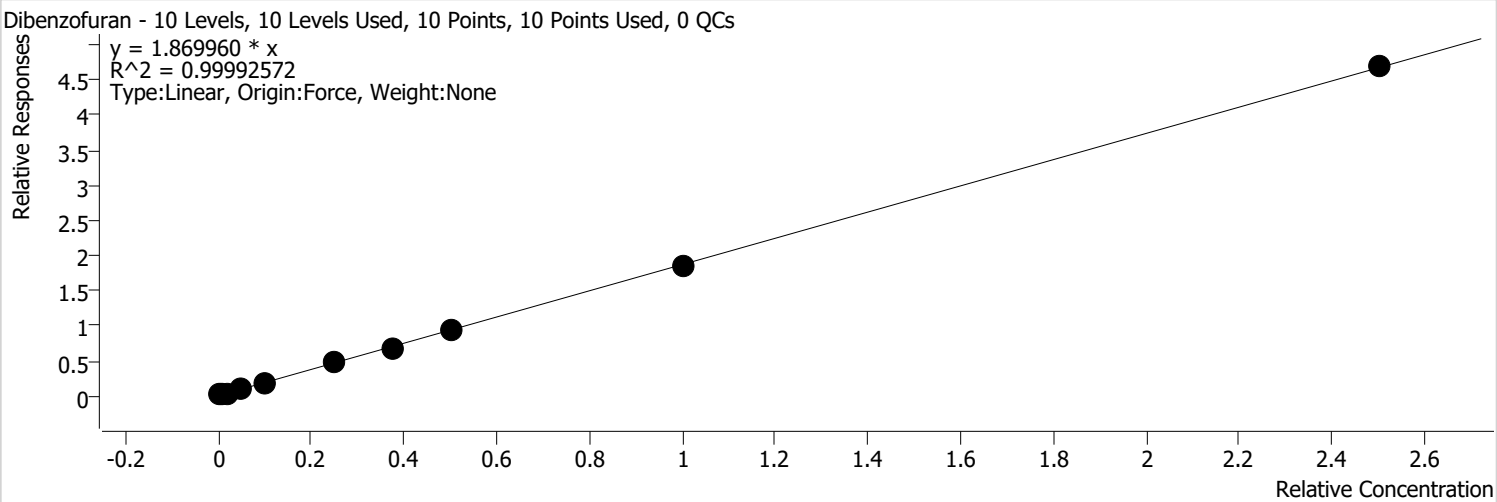
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	639	20.0000	1.3598	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1253	40.0000	1.4221	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2911	100.0000	1.2930	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	6021	200.0000	1.3314	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	15393	500.0000	1.3054	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	22727	750.0000	1.2797	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	30437	1000.0000	1.2730	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	62549	2000.0000	1.2718	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	153217	5000.0000	1.2790	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

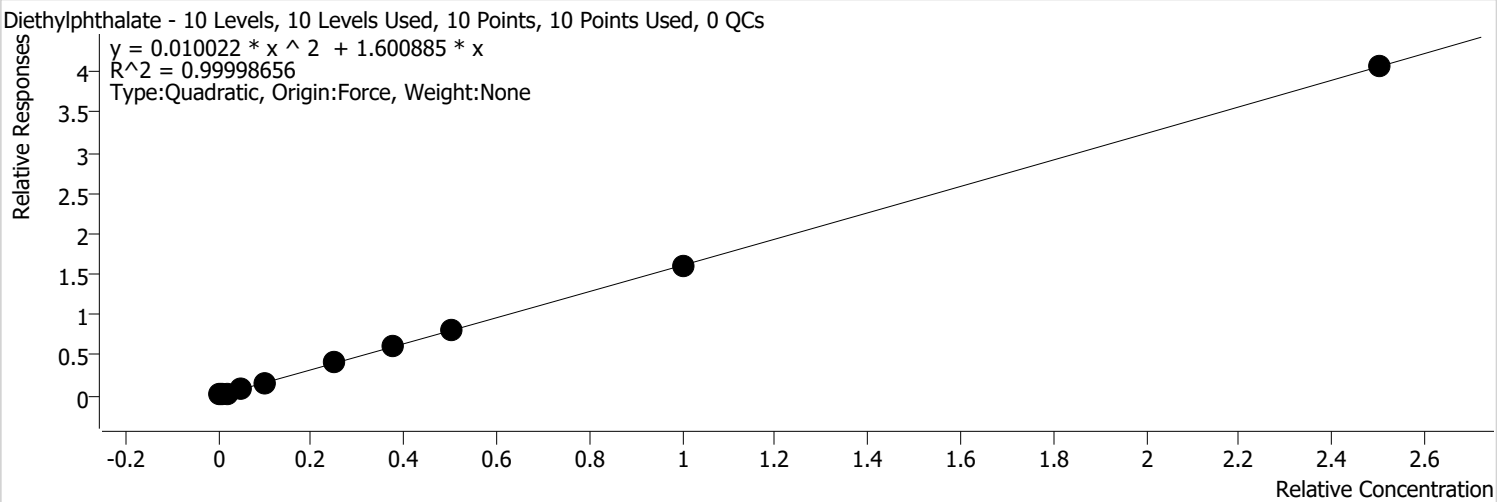
Dibenzofuran %RSE = 5.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	492	10.0000	2.1358	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	865	20.0000	1.8391	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1728	40.0000	1.9611	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4177	100.0000	1.8556	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	8631	200.0000	1.9086	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	22076	500.0000	1.8721	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	32142	750.0000	1.8098	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	44464	1000.0000	1.8597	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	90717	2000.0000	1.8446	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	224690	5000.0000	1.8757	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Diethylphthalate %RSE = 29.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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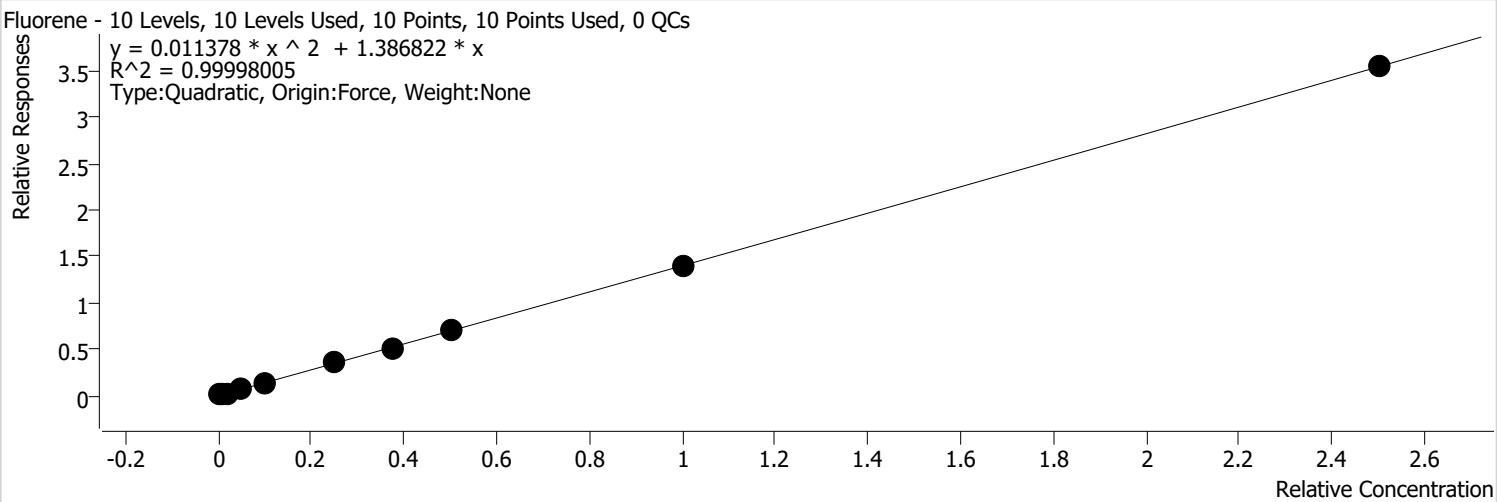
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	892	20.0000	1.8965	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1574	40.0000	1.7863	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3676	100.0000	1.6329	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	7501	200.0000	1.6586	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	19049	500.0000	1.6154	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	28468	750.0000	1.6029	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	38721	1000.0000	1.6195	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	78902	2000.0000	1.6043	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	194807	5000.0000	1.6262	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

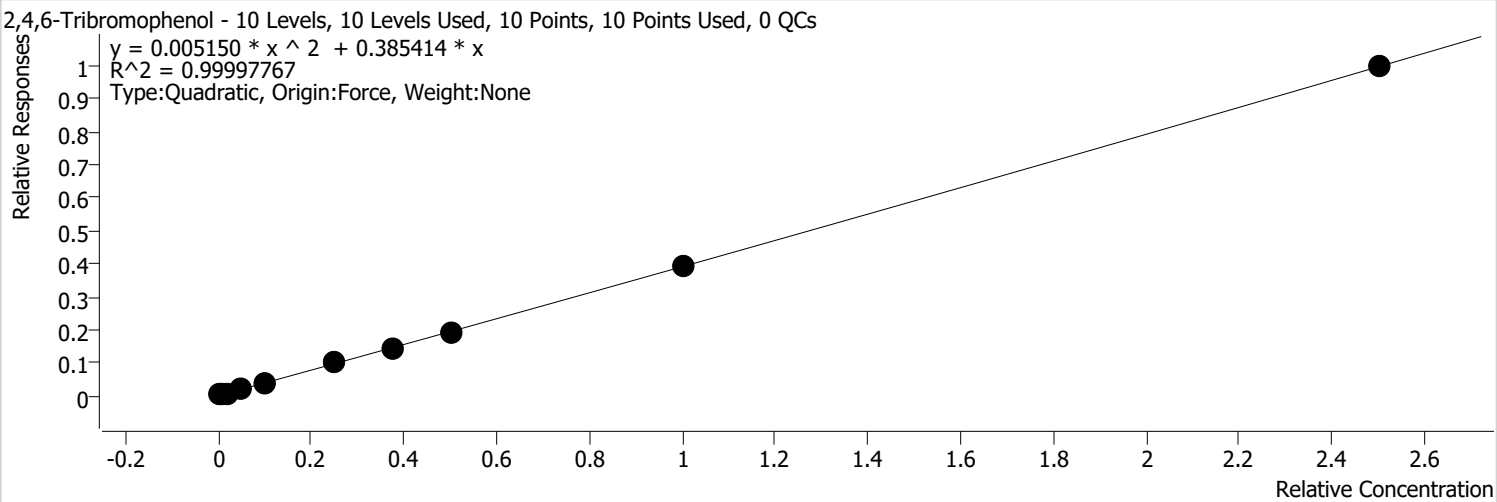
Fluorene %RSE = 7.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	371	10.0000	1.6105	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	679	20.0000	1.4436	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1307	40.0000	1.4836	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3155	100.0000	1.4014	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	6574	200.0000	1.4536	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	16642	500.0000	1.4113	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	24390	750.0000	1.3733	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	33683	1000.0000	1.4088	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	68514	2000.0000	1.3931	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	169562	5000.0000	1.4155	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

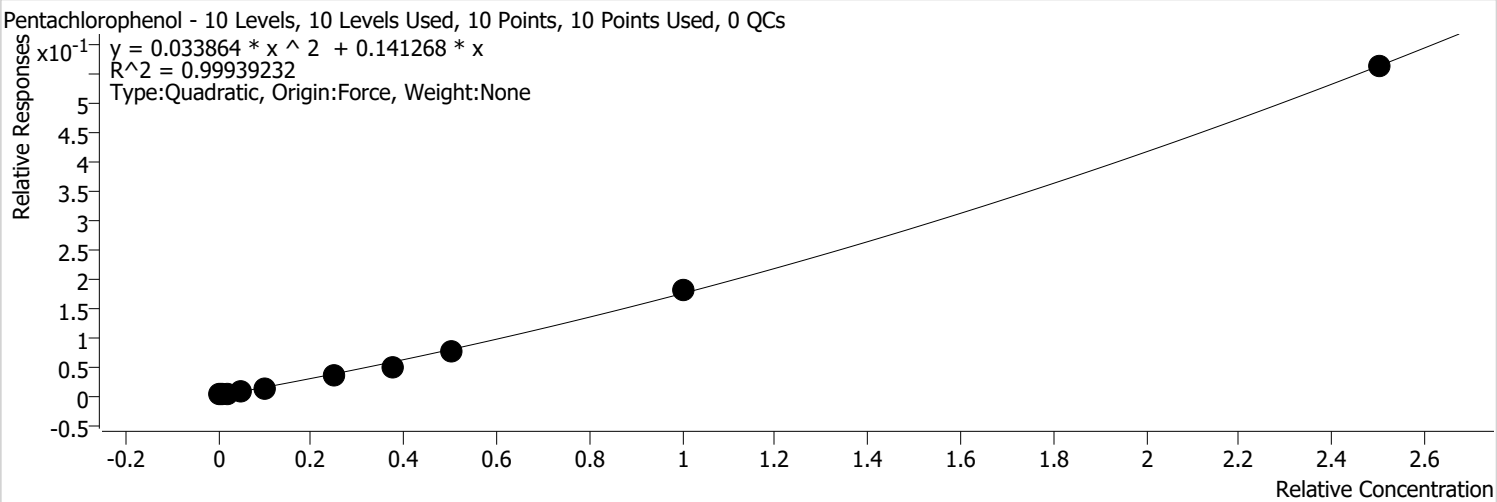
2,4,6-Tribromophenol %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	90	10.0000	0.3911	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	198	20.0000	0.4211	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	362	40.0000	0.4106	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	851	100.0000	0.3778	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	1784	200.0000	0.3945	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	4654	500.0000	0.3947	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	6708	750.0000	0.3777	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	9300	1000.0000	0.3890	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	19244	2000.0000	0.3913	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	47707	5000.0000	0.3983	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

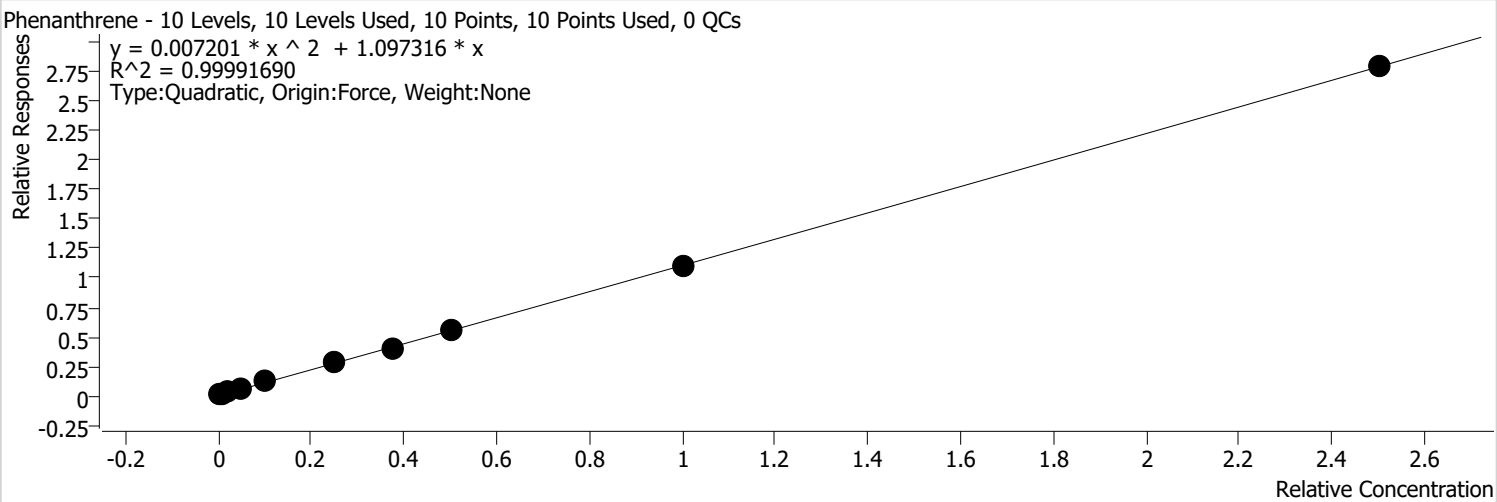
Pentachlorophenol %RSE = 22.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	42	10.0000	0.1826	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	95	20.0000	0.2025	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	141	40.0000	0.1602	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	281	100.0000	0.1247	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	577	200.0000	0.1276	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	1625	500.0000	0.1378	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	2353	750.0000	0.1325	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	3588	1000.0000	0.1501	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	9028	2000.0000	0.1836	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	27017	5000.0000	0.2255	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

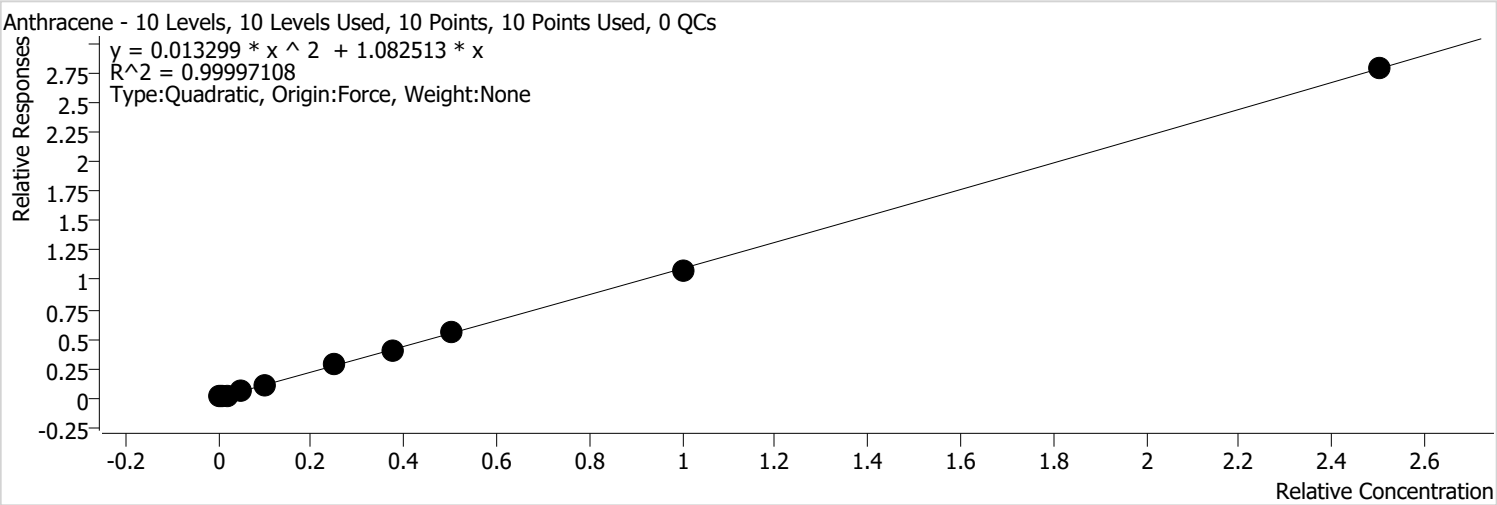
Phenanthrene %RSE = 71.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1361	10.0000	3.0404	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1525	20.0000	1.6683	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2559	40.0000	1.4926	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	5343	100.0000	1.2268	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	10482	200.0000	1.1712	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	26227	500.0000	1.1511	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	37632	750.0000	1.0930	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	52105	1000.0000	1.1097	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	106825	2000.0000	1.0960	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	263021	5000.0000	1.1158	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

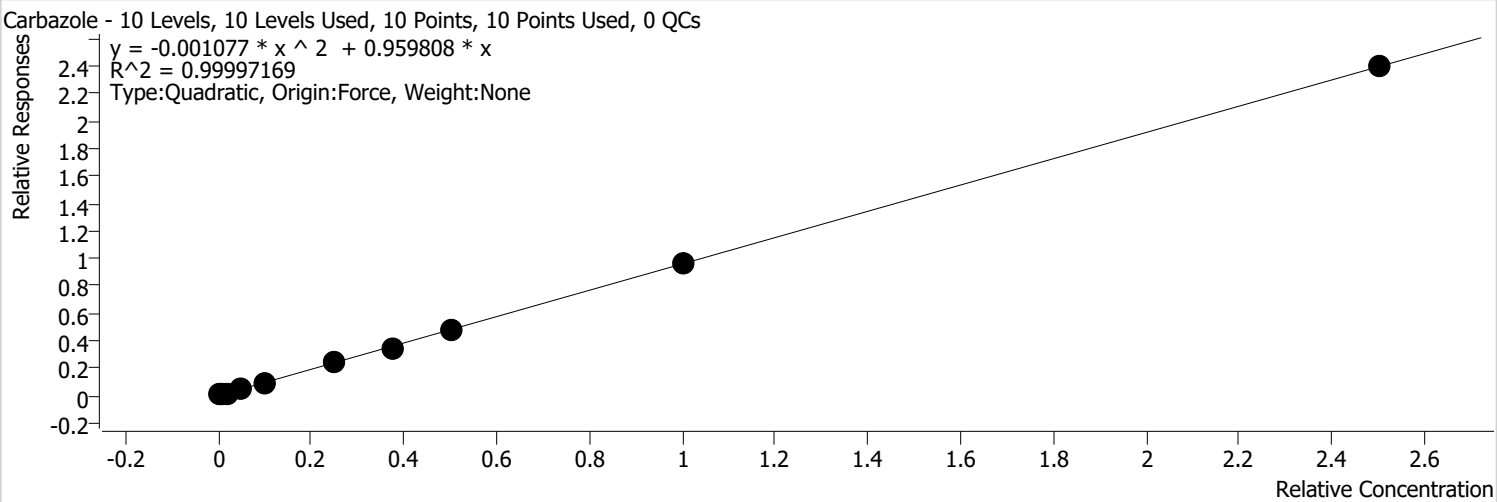
Anthracene %RSE = 15.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	641	10.0000	1.4308	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1183	20.0000	1.2943	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2154	40.0000	1.2566	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4899	100.0000	1.1248	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	10086	200.0000	1.1270	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	25576	500.0000	1.1226	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	37300	750.0000	1.0833	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	51560	1000.0000	1.0981	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	106164	2000.0000	1.0892	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	263098	5000.0000	1.1161	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

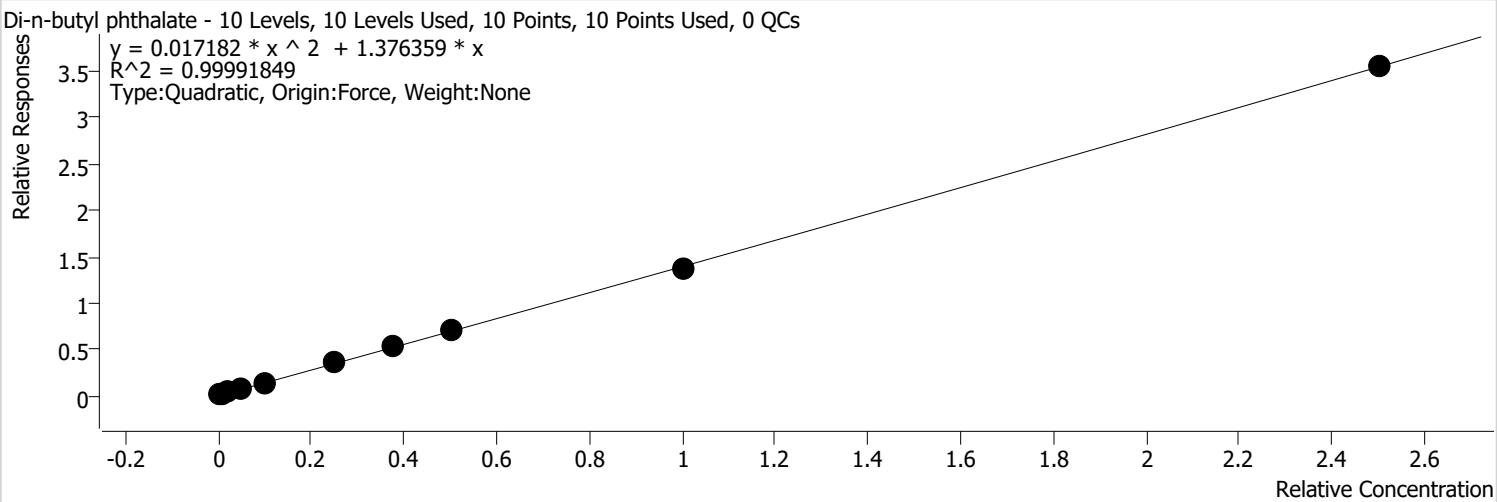
Carbazole %RSE = 3.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	468	10.0000	1.0444	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	897	20.0000	0.9813	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1695	40.0000	0.9888	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4155	100.0000	0.9541	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	8561	200.0000	0.9566	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	22563	500.0000	0.9903	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	32227	750.0000	0.9360	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	45178	1000.0000	0.9622	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	93531	2000.0000	0.9596	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	225616	5000.0000	0.9571	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

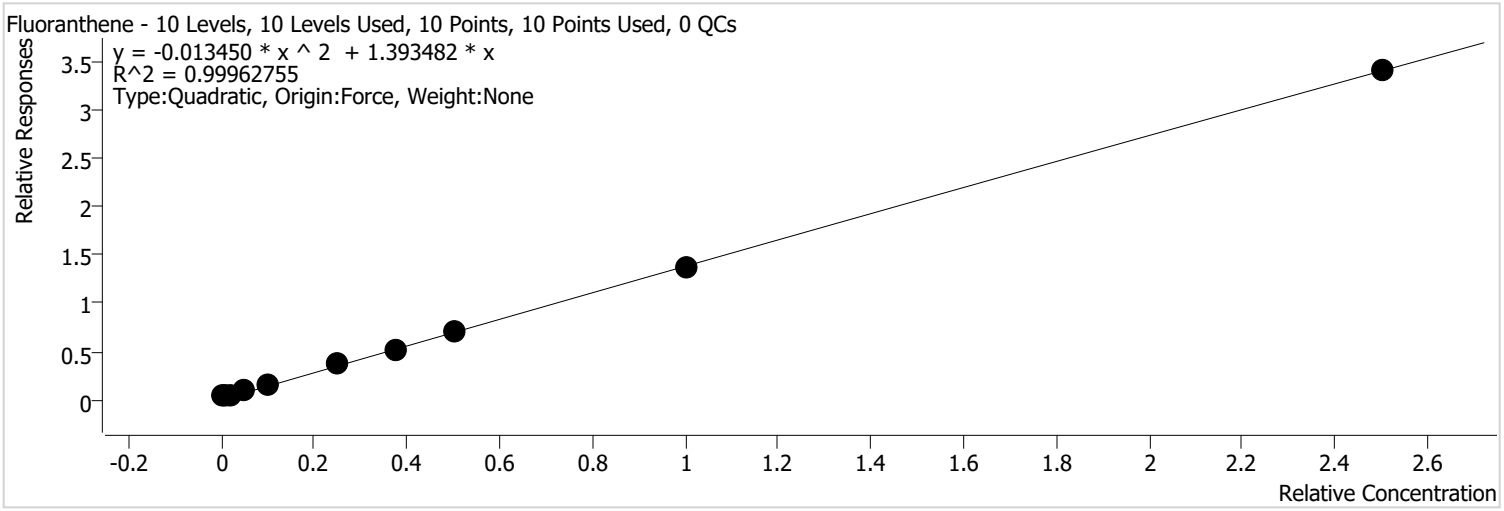
Di-n-butyl phthalate %RSE = 56.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1495	10.0000	3.3393	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1721	20.0000	1.8833	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2978	40.0000	1.7369	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6452	100.0000	1.4813	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	12960	200.0000	1.4481	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	32345	500.0000	1.4197	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48851	750.0000	1.4188	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65674	1000.0000	1.3987	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	134136	2000.0000	1.3762	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	334776	5000.0000	1.4201	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

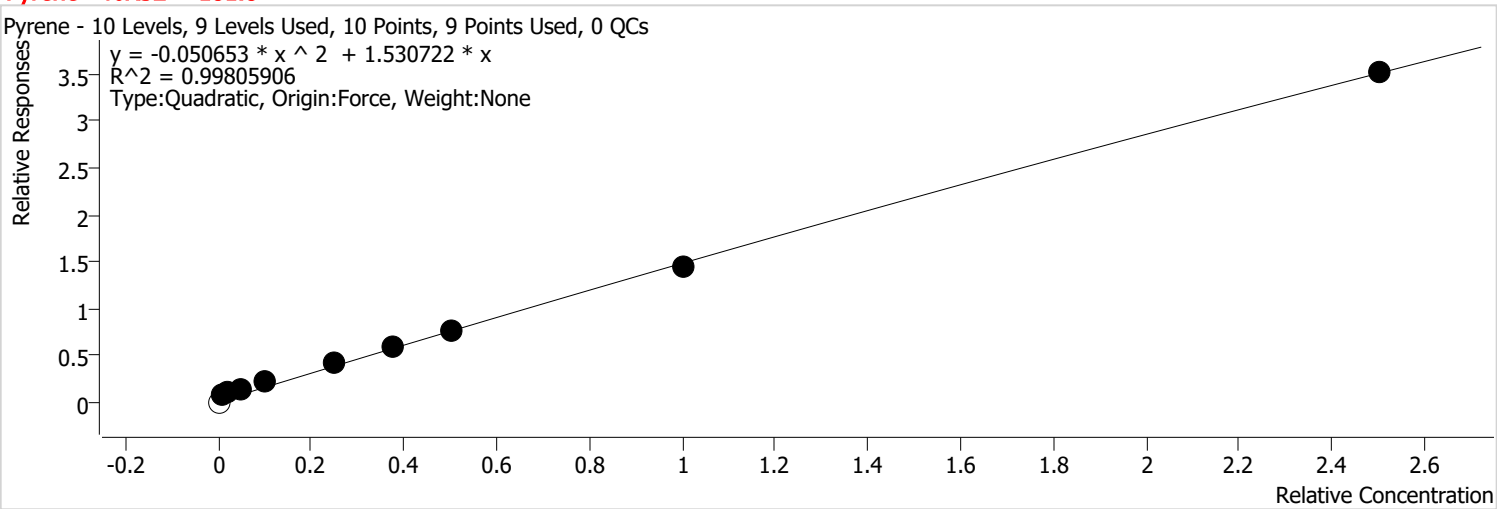
Fluoranthene %RSE = 204.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	3847	10.0000	8.5946	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	2980	20.0000	3.2601	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	4354	40.0000	2.5394	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	7782	100.0000	1.7866	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	14163	200.0000	1.5825	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33370	500.0000	1.4647	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48283	750.0000	1.4023	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65510	1000.0000	1.3952	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	132699	2000.0000	1.3615	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	320795	5000.0000	1.3608	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

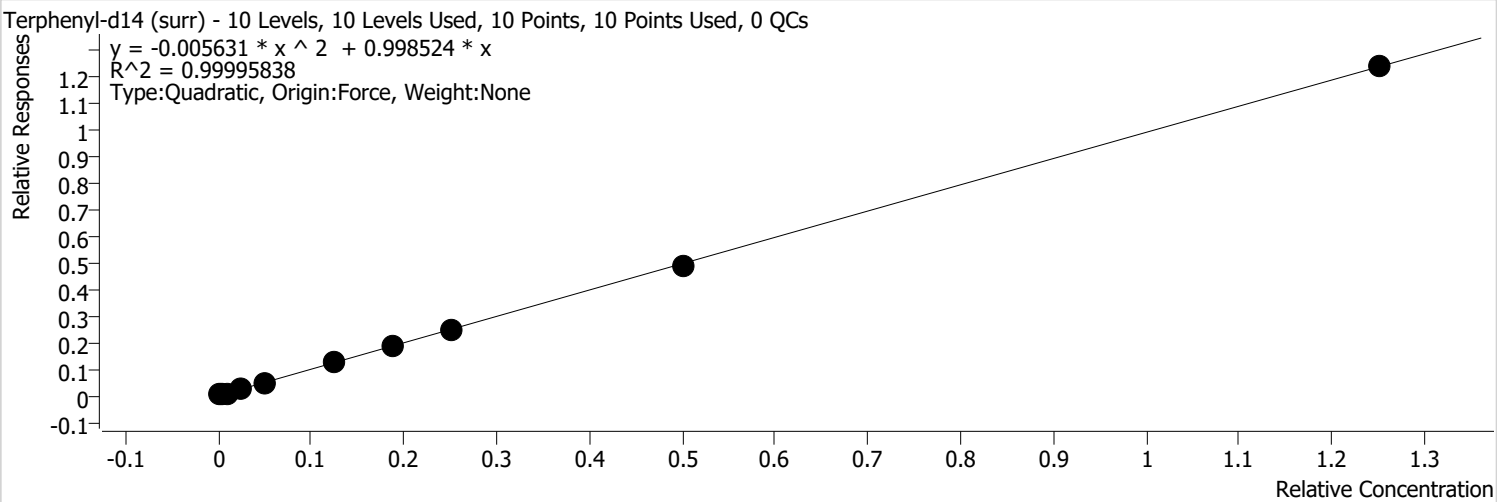
Pyrene %RSE = 181.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1		0	10.0000	0.0000	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	6656	20.0000	7.2815	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	8399	40.0000	4.8990	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	11960	100.0000	2.7460	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	18622	200.0000	2.0808	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	38669	500.0000	1.6973	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	53527	750.0000	1.5546	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	71063	1000.0000	1.5134	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	139869	2000.0000	1.4350	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	331567	5000.0000	1.4065	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

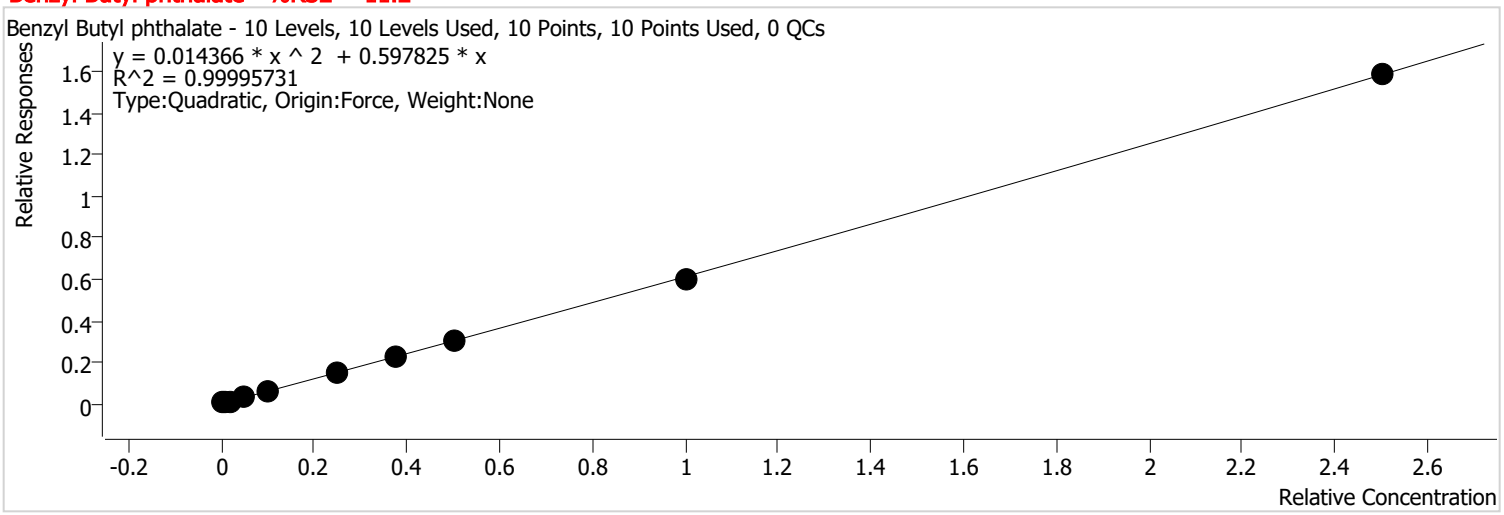
Terphenyl-d14 (surr) %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	252	5.0000	1.1266	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	495	10.0000	1.0842	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	935	20.0000	1.0906	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2250	50.0000	1.0333	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	4642	100.0000	1.0374	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	11776	250.0000	1.0338	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	17240	375.0000	1.0014	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	23684	500.0000	1.0088	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	48091	1000.0000	0.9868	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	116913	2500.0000	0.9919	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

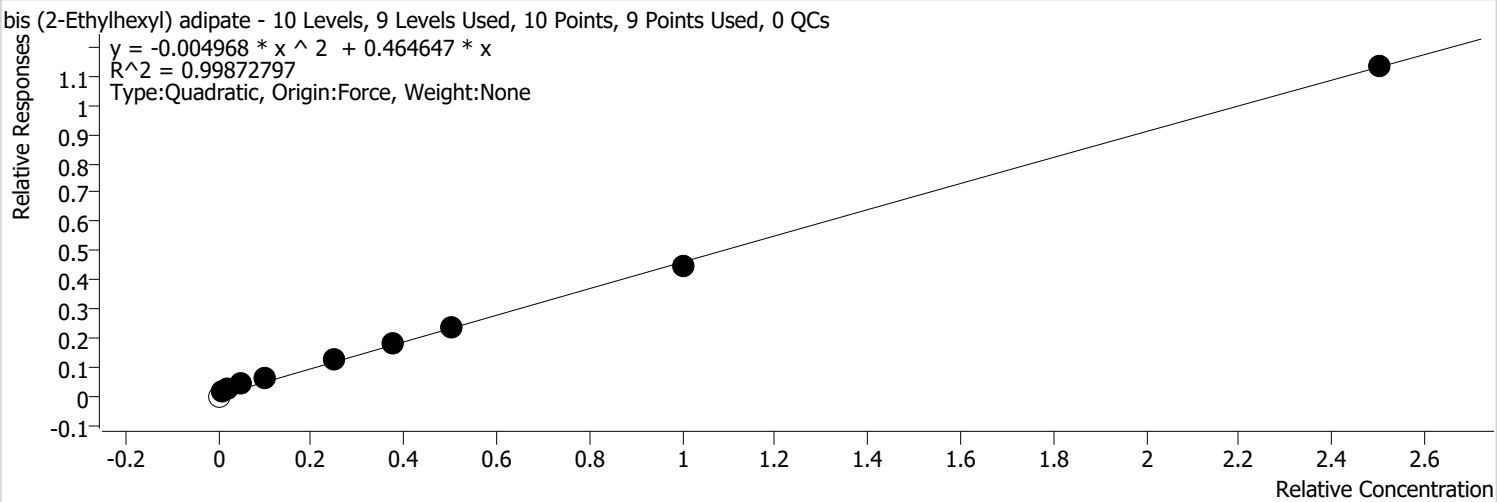
Benzyl Butyl phthalate %RSE = 11.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	342	10.0000	0.7639	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	581	20.0000	0.6352	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1101	40.0000	0.6423	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	2644	100.0000	0.6071	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5419	200.0000	0.6056	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	13999	500.0000	0.6145	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	21141	750.0000	0.6140	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	28827	1000.0000	0.6139	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	59034	2000.0000	0.6057	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	149463	5000.0000	0.6340	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

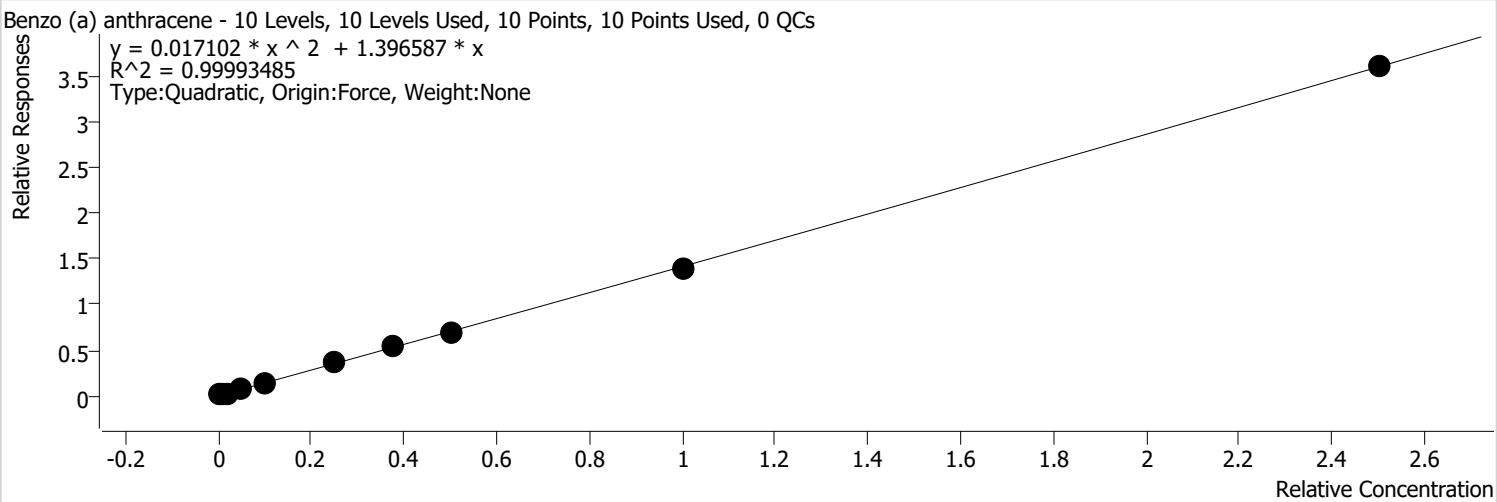
bis (2-Ethylhexyl) adipate %RSE = 148.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1		0	10.0000	0.0000	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1717	20.0000	1.8786	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2268	40.0000	1.3227	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	3369	100.0000	0.7735	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	5387	200.0000	0.6019	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	11500	500.0000	0.5048	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	16714	750.0000	0.4854	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	21863	1000.0000	0.4656	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	43459	2000.0000	0.4459	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	106776	5000.0000	0.4530	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

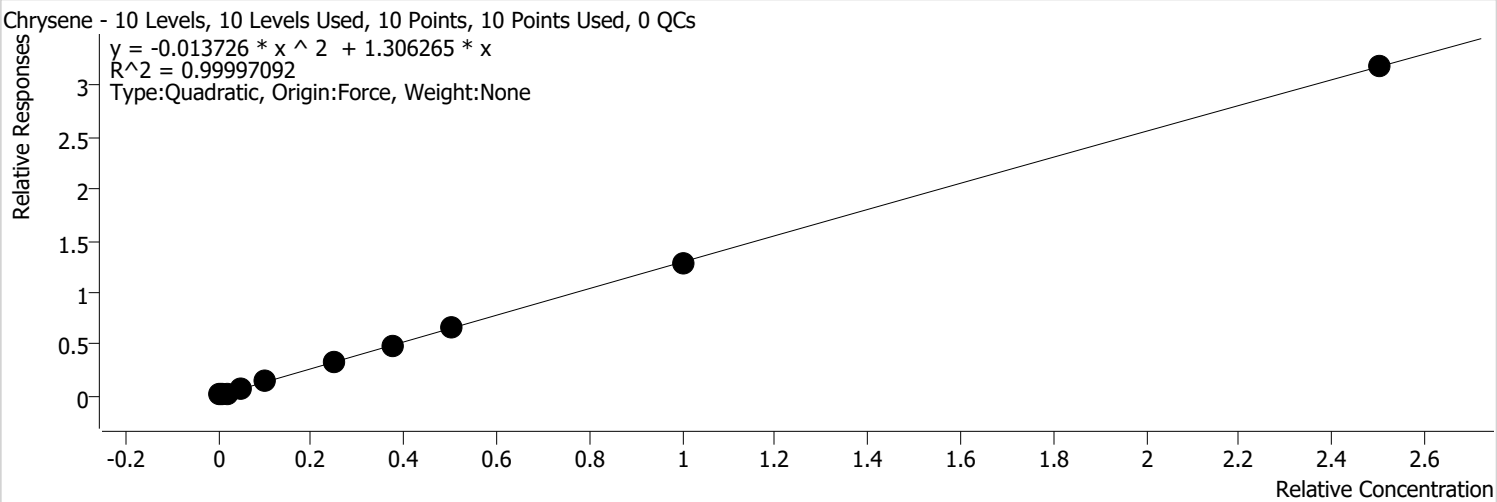
Benzo (a) anthracene %RSE = 29.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1066	10.0000	2.3813	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1642	20.0000	1.7964	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2823	40.0000	1.6466	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6687	100.0000	1.5353	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13101	200.0000	1.4639	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33575	500.0000	1.4737	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48971	750.0000	1.4223	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	66100	1000.0000	1.4077	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	136483	2000.0000	1.4003	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	339464	5000.0000	1.4400	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Chrysene %RSE = 10.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	761	10.0000	1.5890	
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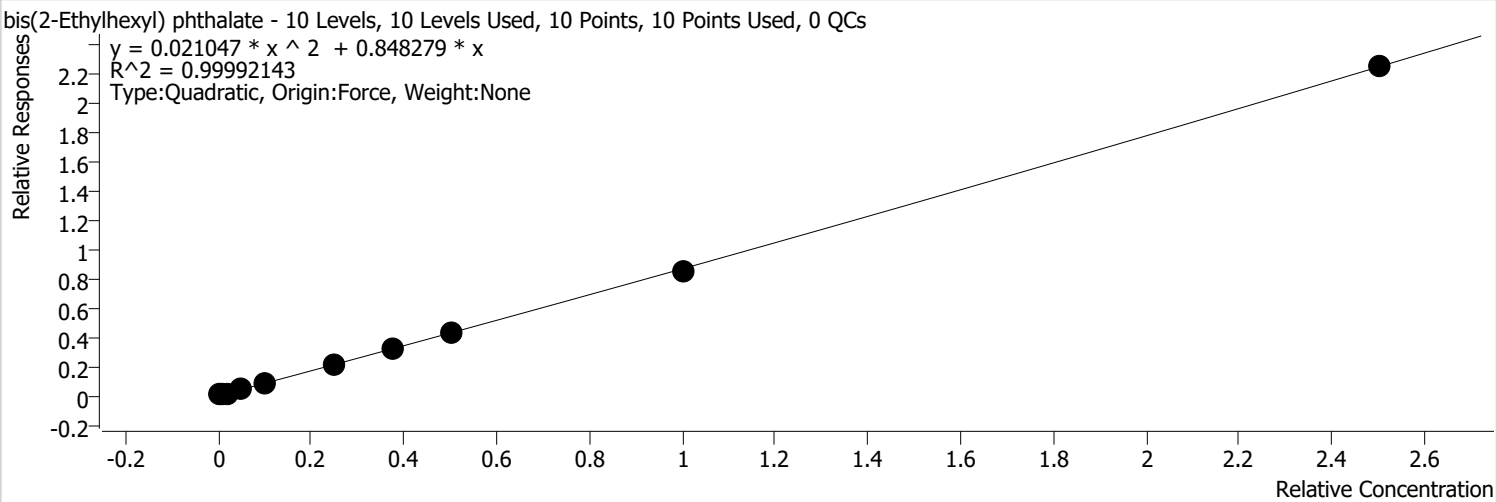
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2694	40.0000	1.4804	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6137	100.0000	1.3118	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13155	200.0000	1.3782	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	32483	500.0000	1.3291	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48424	750.0000	1.3126	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65529	1000.0000	1.3101	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	132609	2000.0000	1.2829	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	314503	5000.0000	1.2724	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

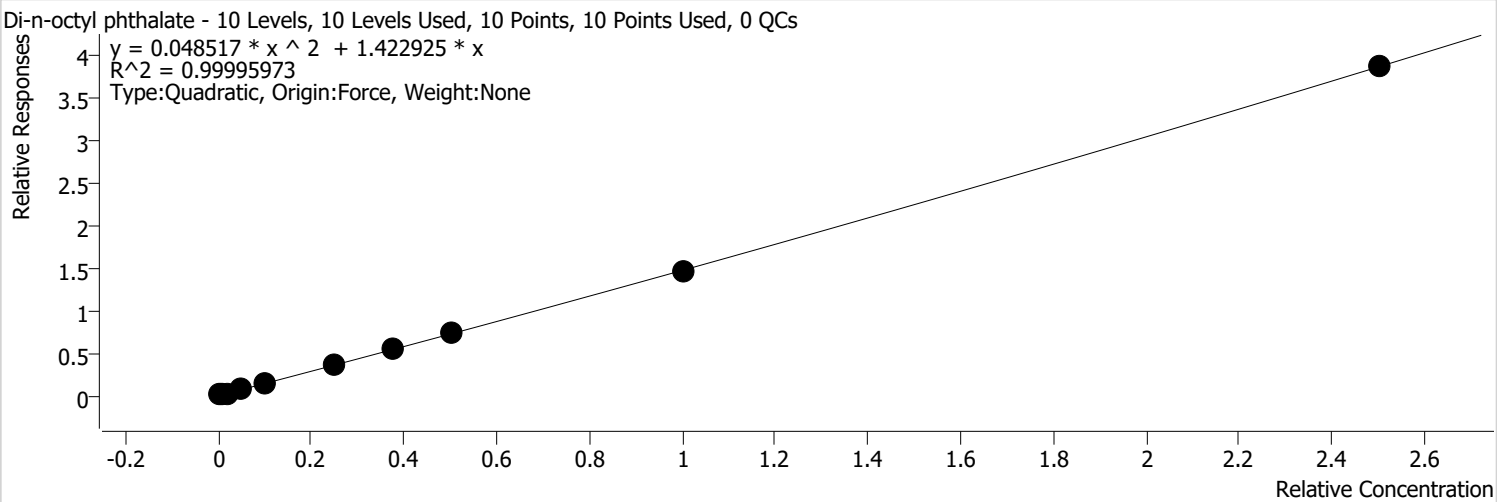
bis(2-Ethylhexyl) phthalate %RSE = 48.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	913	10.0000	1.9054	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1013	20.0000	1.0414	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	1806	40.0000	0.9927	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	4177	100.0000	0.8929	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	8384	200.0000	0.8784	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	21543	500.0000	0.8814	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	32541	750.0000	0.8821	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	43368	1000.0000	0.8670	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	88691	2000.0000	0.8580	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	222809	5000.0000	0.9014	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

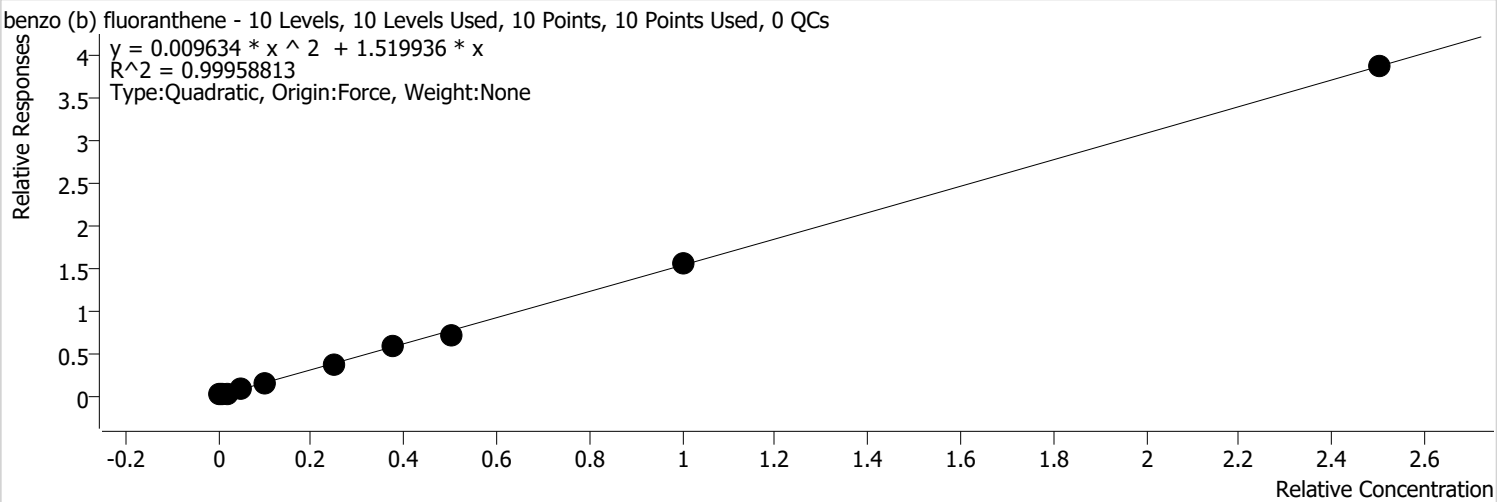
Di-n-octyl phthalate %RSE = 8.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	831	10.0000	1.7341	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1407	20.0000	1.4474	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2698	40.0000	1.4828	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6548	100.0000	1.3997	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13737	200.0000	1.4392	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	35535	500.0000	1.4539	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	54602	750.0000	1.4800	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	73140	1000.0000	1.4622	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	150583	2000.0000	1.4568	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	381850	5000.0000	1.5449	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

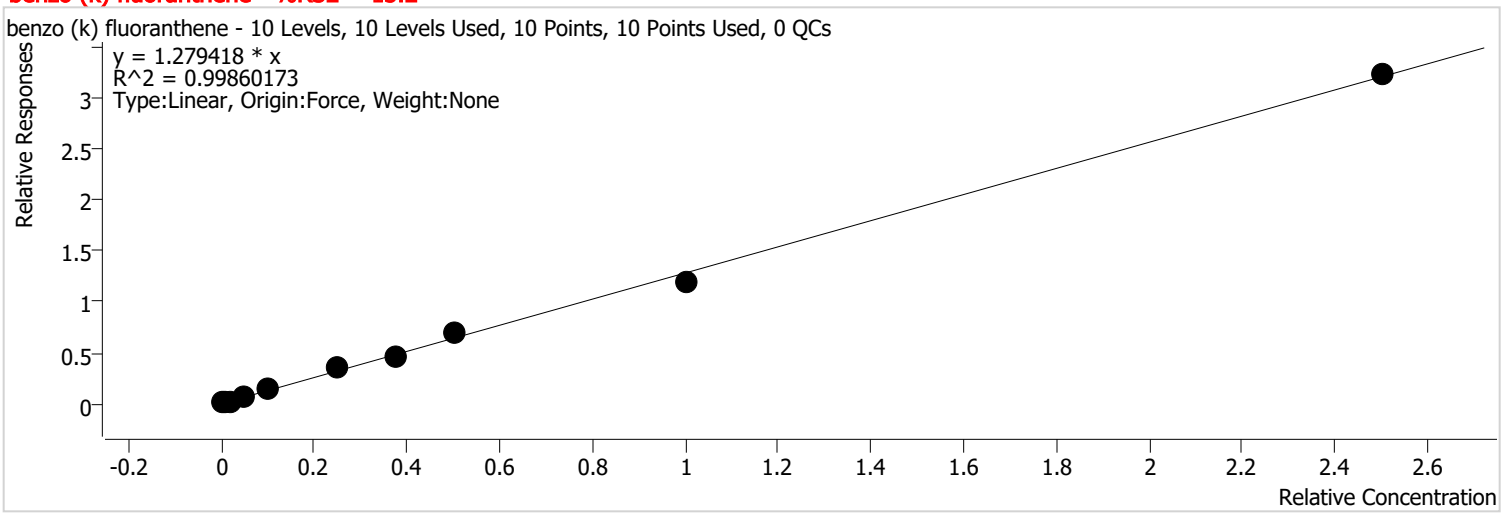
benzo (b) fluoranthene %RSE = 5.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	791	10.0000	1.6517	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1473	20.0000	1.5149	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2848	40.0000	1.5651	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6983	100.0000	1.4926	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	14259	200.0000	1.4938	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	36540	500.0000	1.4951	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	58601	750.0000	1.5884	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	70175	1000.0000	1.4029	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	161285	2000.0000	1.5603	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	381344	5000.0000	1.5428	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

benzo (k) fluoranthene %RSE = 13.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	748	10.0000	1.5612	
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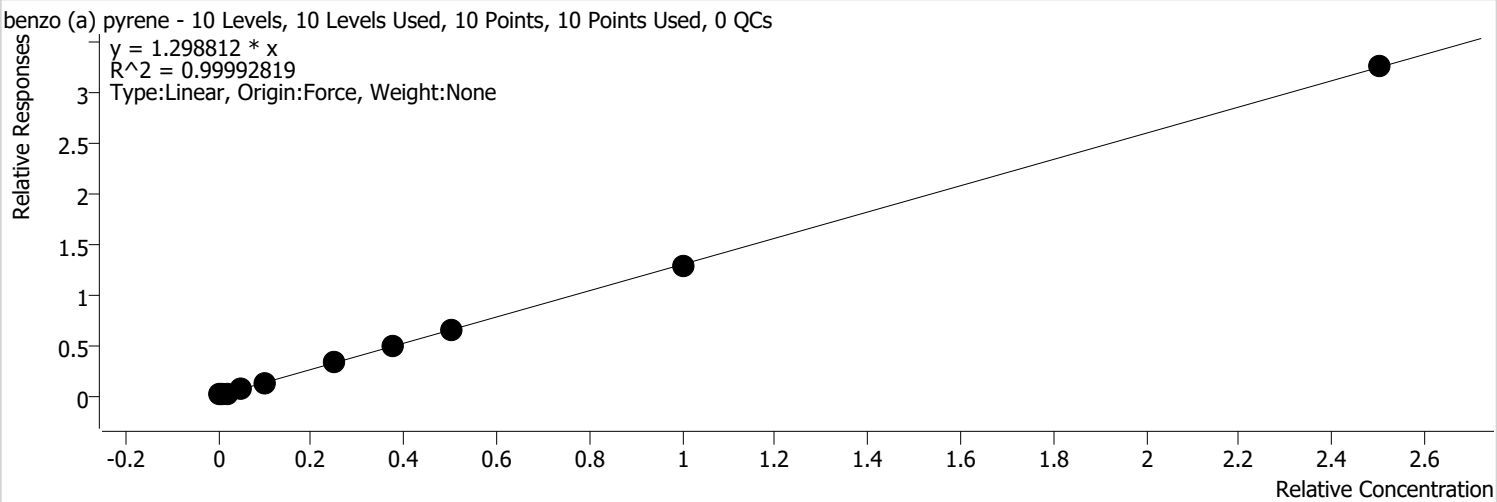
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2685	40.0000	1.4755	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6471	100.0000	1.3832	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	13346	200.0000	1.3982	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33842	500.0000	1.3847	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	45636	750.0000	1.2370	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	70152	1000.0000	1.4025	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	123605	2000.0000	1.1958	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	318239	5000.0000	1.2875	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

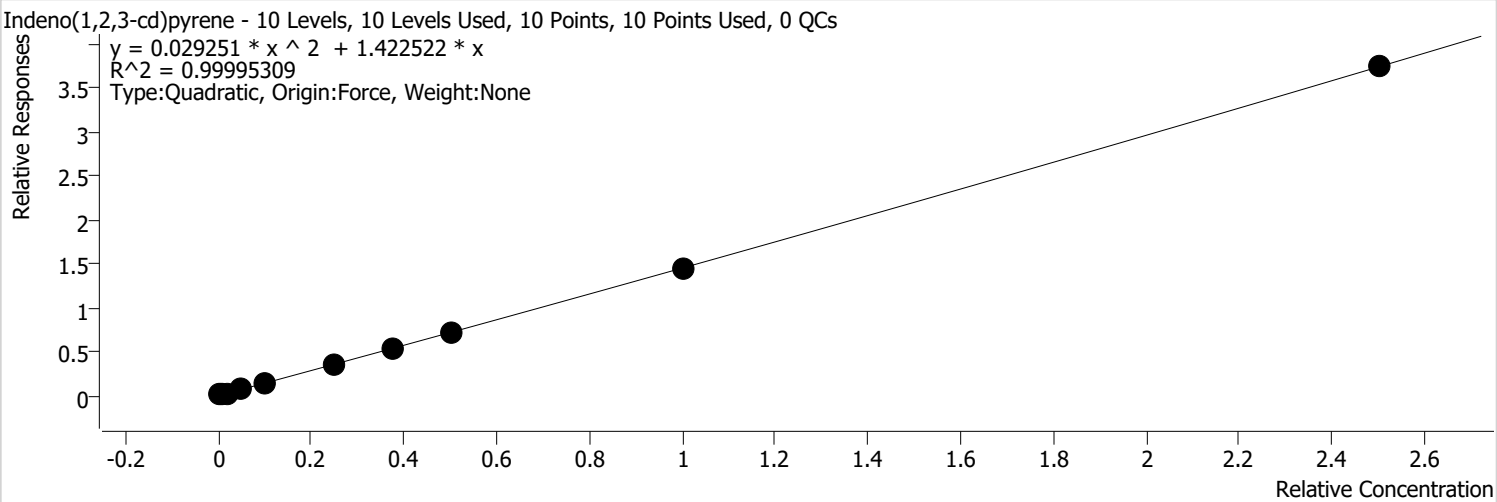
benzo (a) pyrene %RSE = 22.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1002	10.0000	2.0912	
C:\GC-14\Data\2021\082321\082305.D	Calibration	2	x	1444	20.0000	1.4855	
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	2676	40.0000	1.4705	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6107	100.0000	1.3053	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	12441	200.0000	1.3034	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	31707	500.0000	1.2973	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	48512	750.0000	1.3149	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	65263	1000.0000	1.3047	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	131897	2000.0000	1.2760	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	321779	5000.0000	1.3018	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Indeno(1,2,3-cd)pyrene %RSE = 16.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1078	10.0000	1.9788	
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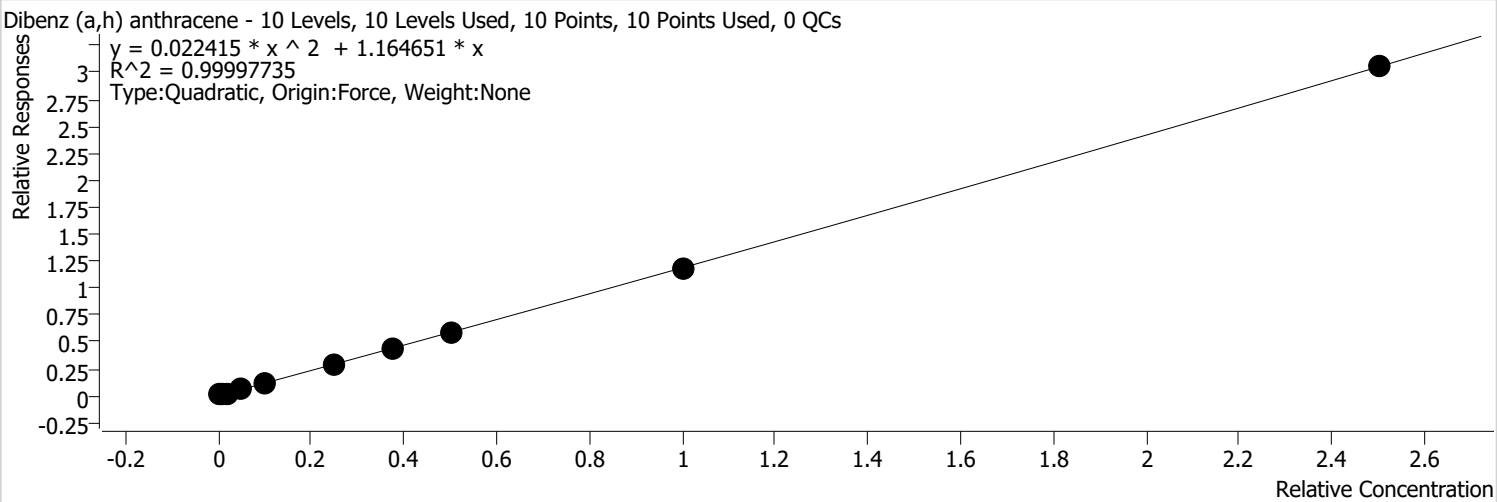
C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	3303	40.0000	1.6048	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	7770	100.0000	1.4641	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	15937	200.0000	1.4703	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	40639	500.0000	1.4713	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	60409	750.0000	1.4516	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	81206	1000.0000	1.4585	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	165581	2000.0000	1.4361	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	414477	5000.0000	1.4964	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Dibenz (a,h) anthracene %RSE = 8.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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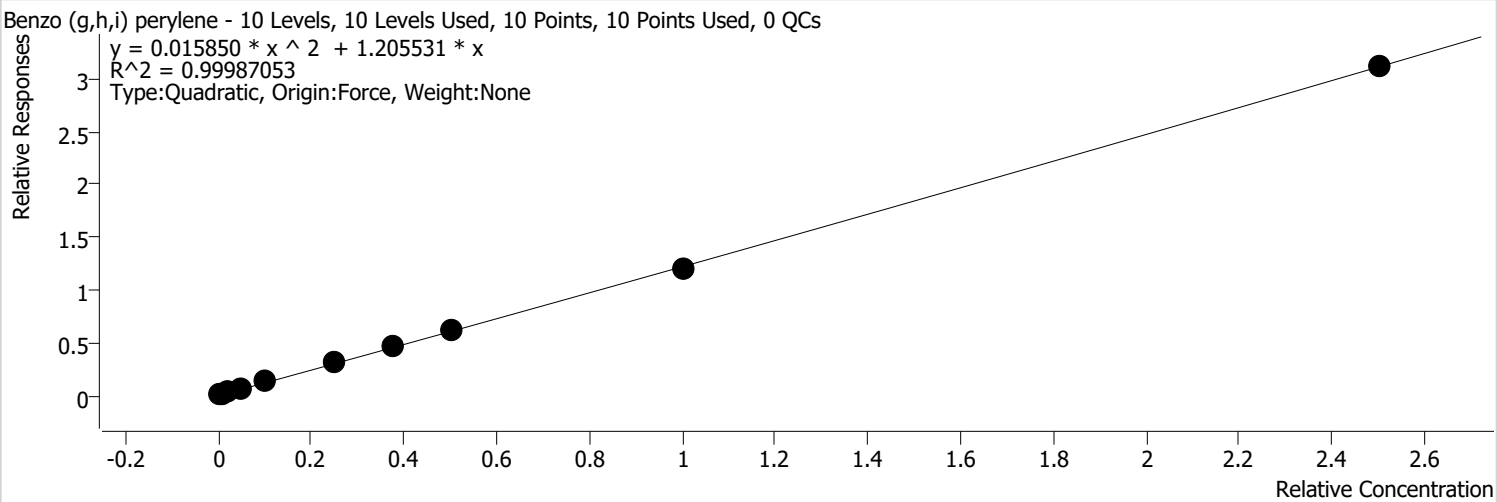
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	6293	100.0000	1.1858	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	12932	200.0000	1.1930	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	33004	500.0000	1.1949	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	49359	750.0000	1.1861	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	66020	1000.0000	1.1857	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	135851	2000.0000	1.1783	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	338231	5000.0000	1.2211	

Batch Path	C:\GC-14\Data\2021\082321\QuantResults\PAH CAL.batch.bin		
Analysis Time	8/24/2021 8:26 AM	**Analyst Name**	FA\GC14
Report Time	8/24/2021 8:30:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	8/24/2021 8:25 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Benzo (g,h,i) perylene %RSE = 80.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2021\082321\082304.D	Calibration	1	x	1961	10.0000	3.5991	
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C:\GC-14\Data\2021\082321\082306.D	Calibration	3	x	3573	40.0000	1.7361	
C:\GC-14\Data\2021\082321\082307.D	Calibration	4	x	7292	100.0000	1.3740	
C:\GC-14\Data\2021\082321\082308.D	Calibration	5	x	14191	200.0000	1.3092	
C:\GC-14\Data\2021\082321\082309.D	Calibration	6	x	34875	500.0000	1.2626	
C:\GC-14\Data\2021\082321\082310.D	Calibration	7	x	51304	750.0000	1.2328	
C:\GC-14\Data\2021\082321\082311.D	Calibration	8	x	68376	1000.0000	1.2280	
C:\GC-14\Data\2021\082321\082312.D	Calibration	9	x	138864	2000.0000	1.2044	
C:\GC-14\Data\2021\082321\082313.D	Calibration	10	x	345125	5000.0000	1.2460	

Semivolatile Calibration

Date: 08/16/21

Analyst: Sam Berman

MeCl2: 5994

Cal		ICV	
IM 25795	8270 Megamix: 24893		8270 Megamix: 24990
	2,4-DNP: 24998		2,4-DNP: 24501
	Benzoic Acid: 25025		Benzoic Acid: 23305

8270 Surrogate: 25514

IS 25765

Spike Conc. (ppb)	BN/Acid Surr Conc. (ppb)	2° Spike (uL)	B/N Surr (uL)	Internal Standard (uL)	Remove (uL)	Final Vol. (mL)	(mL) @270 MM SS	(mL) Comments 2DNP SS	(mL) HBZ SS
10	10/5	1	--	10	11	1			
20	20/10	2	--	10	12	1			
40	40/20	4	--	10	14	1			
100	100/50	10	--	10	20	1			
200	200/100	20	--	10	30	1			
500	500/250	~~40~~ 50	--	10	60	1			
750	750/375	75	--	10	85	1			
1000	1000/500	100	--	10	110	1			
2000	2000/1000	200	--	10	210	1			
5000	5000/2500	500	--	10	510	1			
ICB	1000/500		~~15~~	10	~~11~~ 15	1			
ICV (1000 ppb)	1000/500	100 (2° SS)		10	~~110~~ 19	1	1	1	1

8/11/21 8/11/21 8/11/21

	Mega Mix (uL)	2,4-DNP (uL)	Benzoic Acid (uL)	8270 Surr (uL)	Final Volume (mL)
2° Intermediate (cal)	100	100	100	100	10
2° Intermediate (SS)	50	50	50	50	5

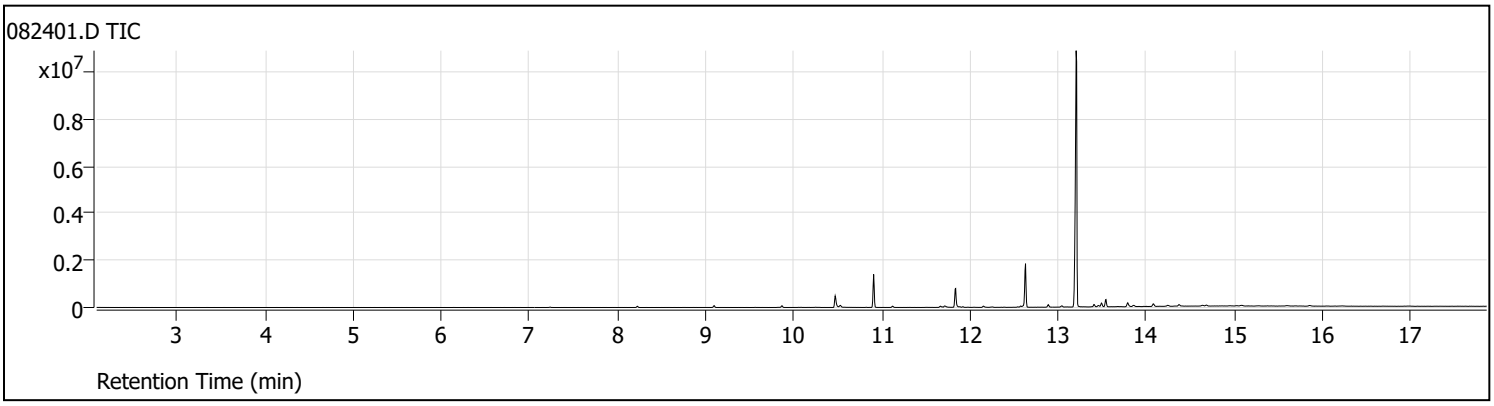
Signature and Date: 08/16/21

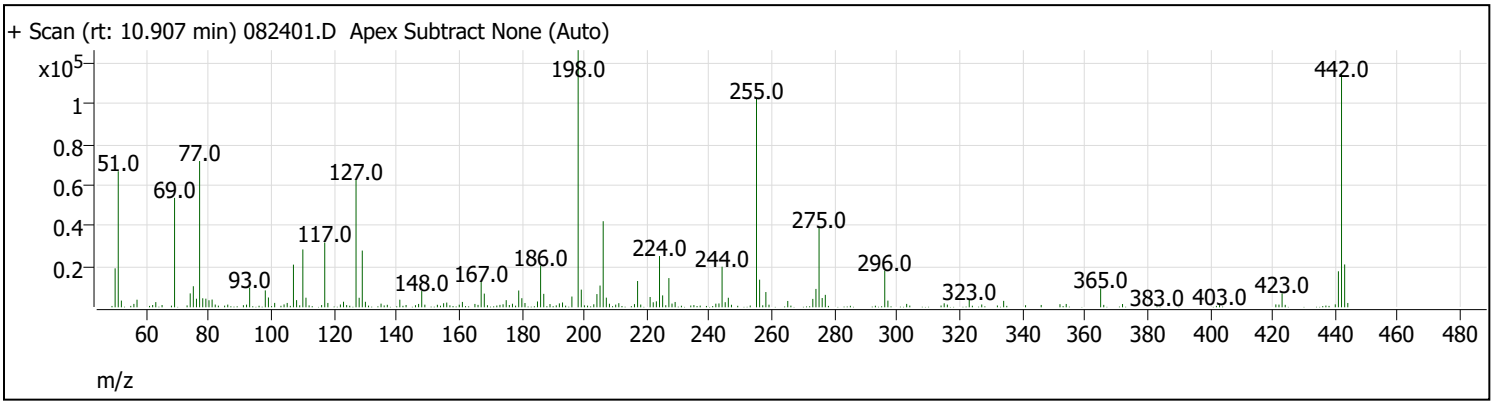
Signature: EM

Tunes

Tune Evaluation Report

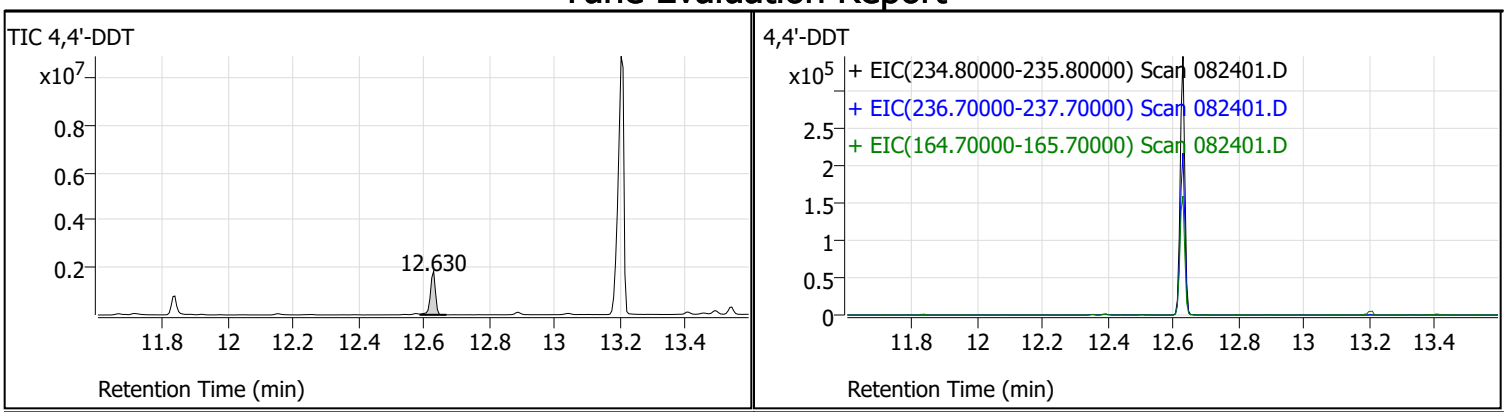
Data Path:	C:\GC-14\Data\2021\082421\082401.D
Acq on:	8/24/2021 8:05:10 AM
Operator:	FA\GC14
Sample:	TUNE
Inst Name:	GC-14
ALS Vial:	1
Method:	C:\GC-14\Methods\Quant Methods\TUNE\DFTPPwBreak&TailingGC218270E.m

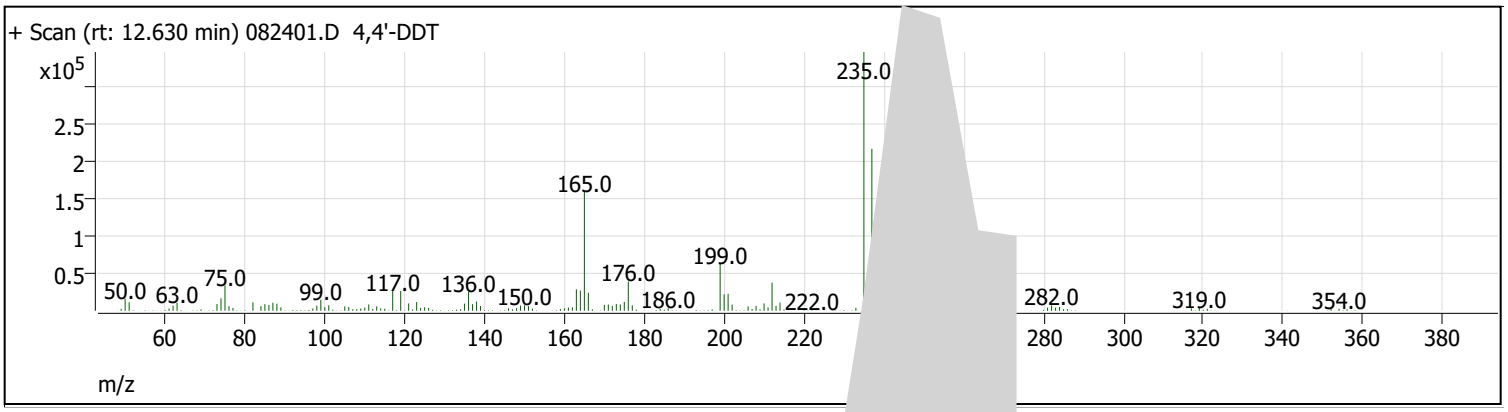


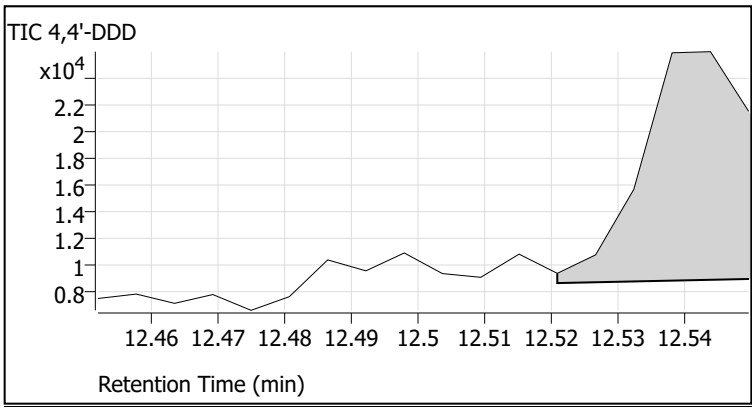


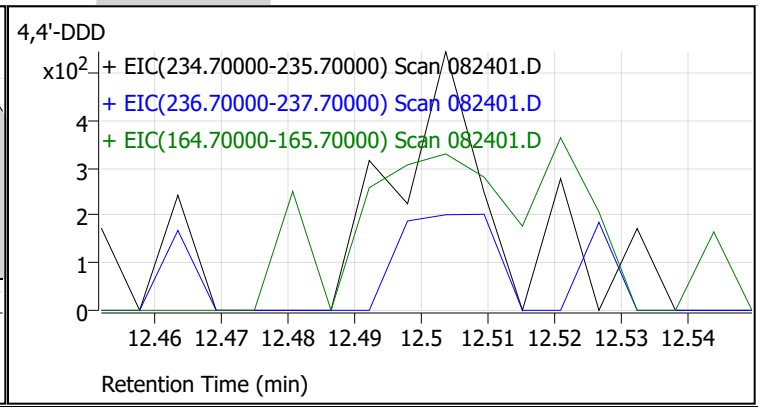
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	1.5	810	Pass
70	69	0	2	0.4	193	Pass
197	198	0	2	0.0	0	Pass
198	198	100	100	100.0	126312	Pass
199	198	5	9	6.9	8671	Pass
365	198	1	100	7.3	9274	Pass
441	443	1E-10	150	84.0	17688	Pass
442	442	100	100	100.0	114832	Pass
443	442	15	24	18.3	21048	Pass
69	69	100	100	100.0	53752	Pass

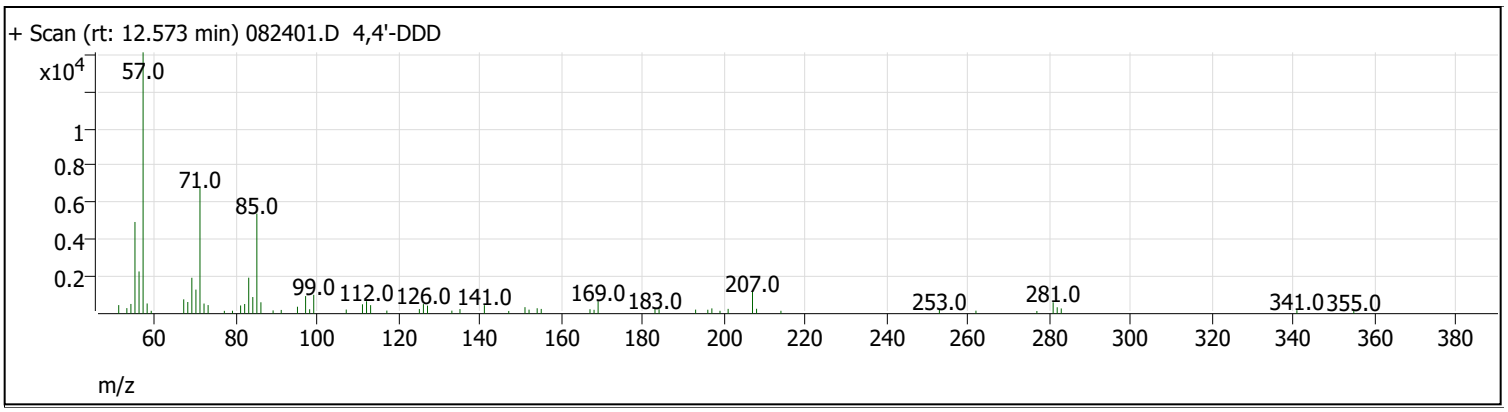
Tune Evaluation Report





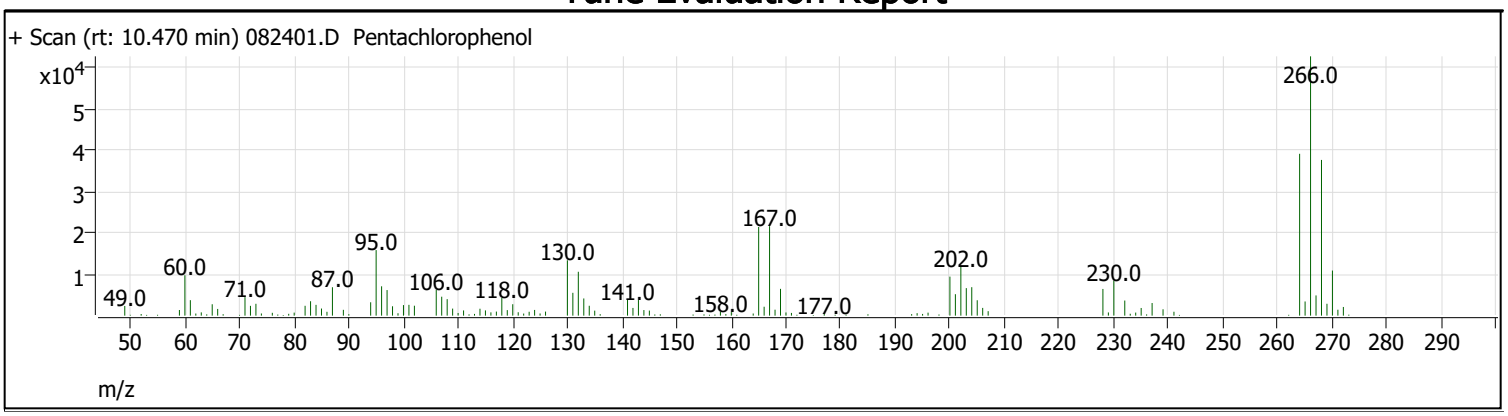


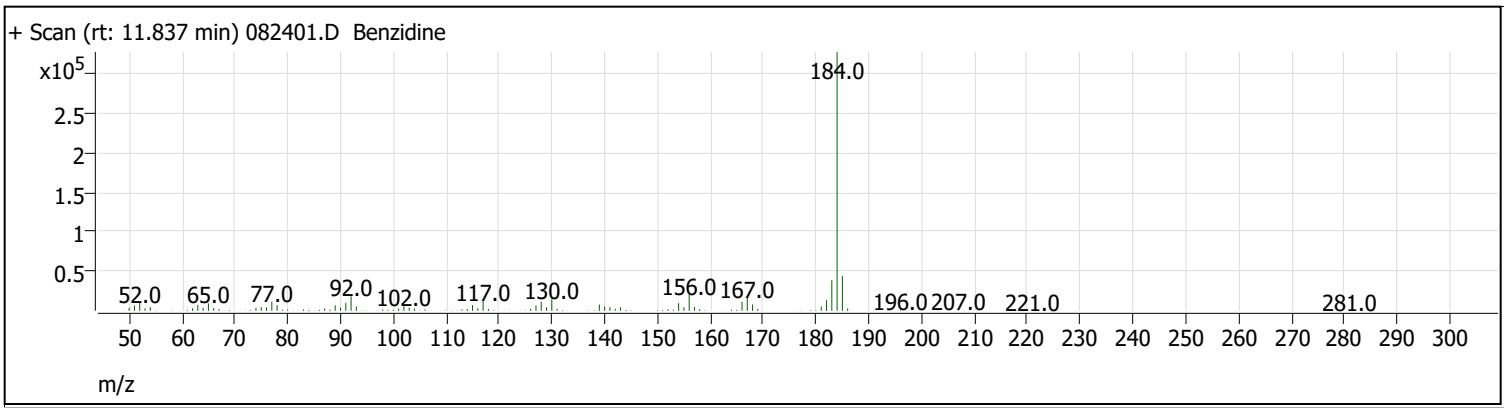




Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	12.600	12.630	1961410	4.4	Pass
4,4'-DDD	12.500	12.573	89588		

Tune Evaluation Report

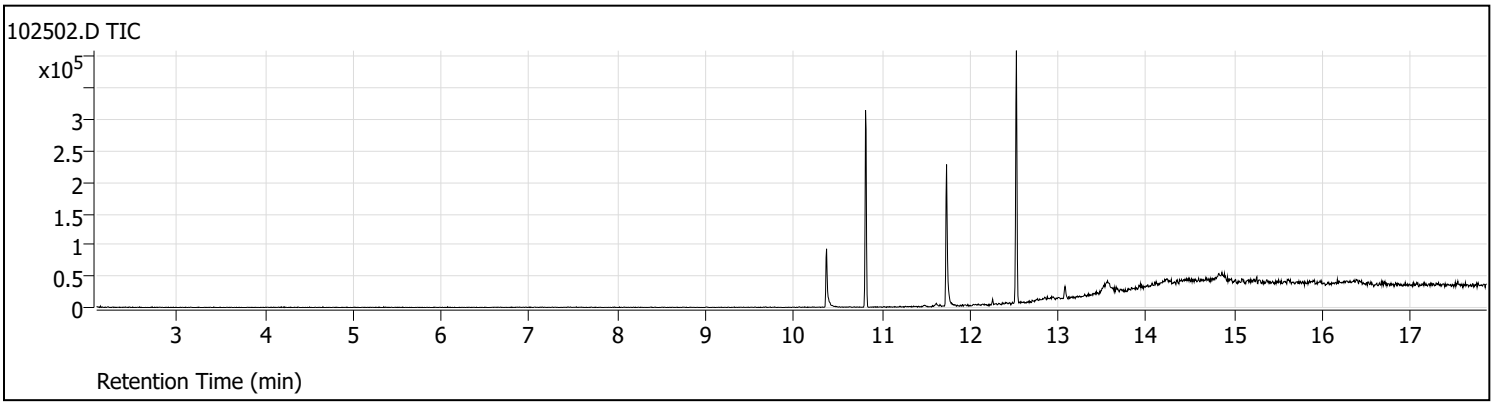


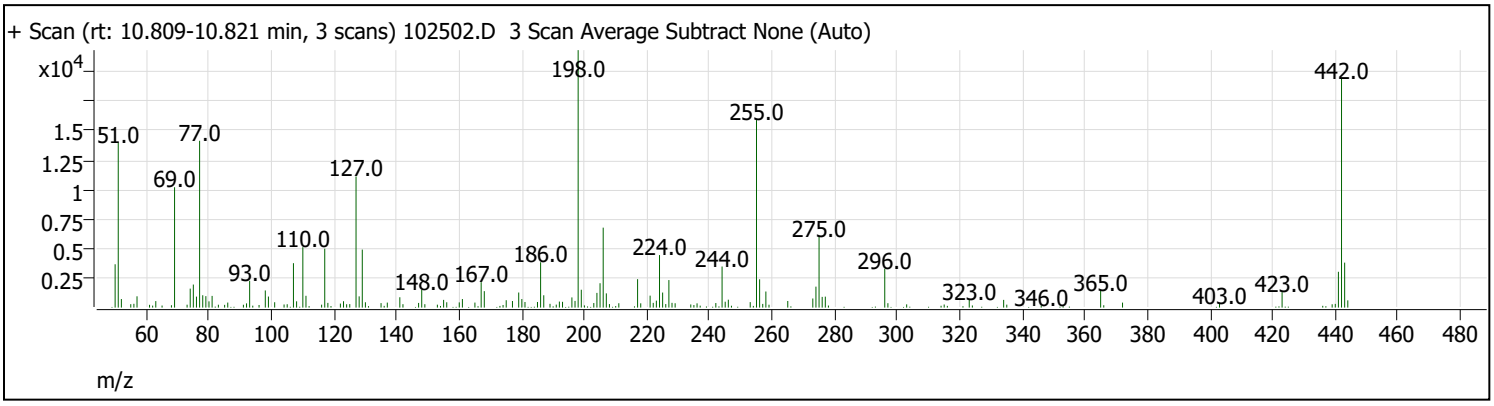


Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	10.540	10.470	1.9	2.8	Pass
Benzidine	11.906	11.837	0.9	3.2	Pass

Tune Evaluation Report

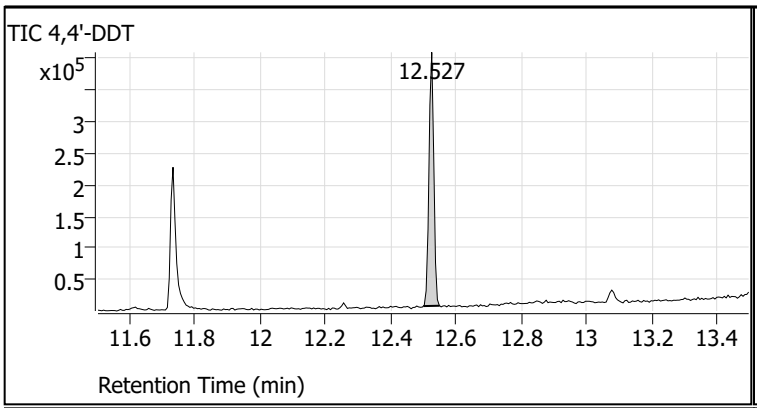
Data Path:	C:\GC-14\Data\2021\102521\102502.D
Acq on:	10/25/2021 9:00:57 AM
Operator:	FA\gc14
Sample:	TUNE
Inst Name:	GC-14
ALS Vial:	1
Method:	C:\GC-14\Methods\Quant Methods\TUNE\DFTPPwBreak&TailingGC218270E.m

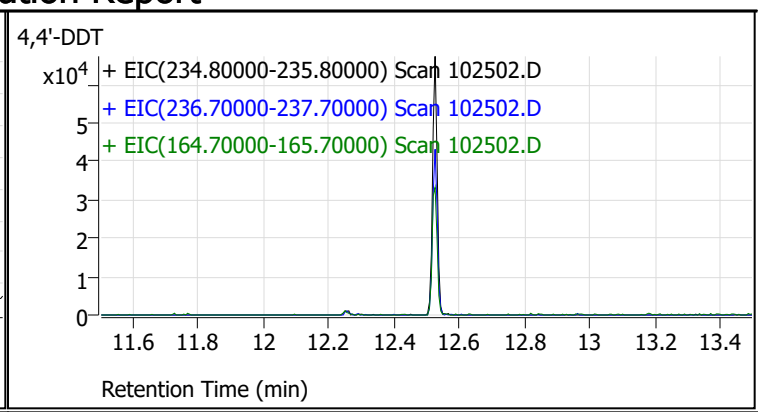


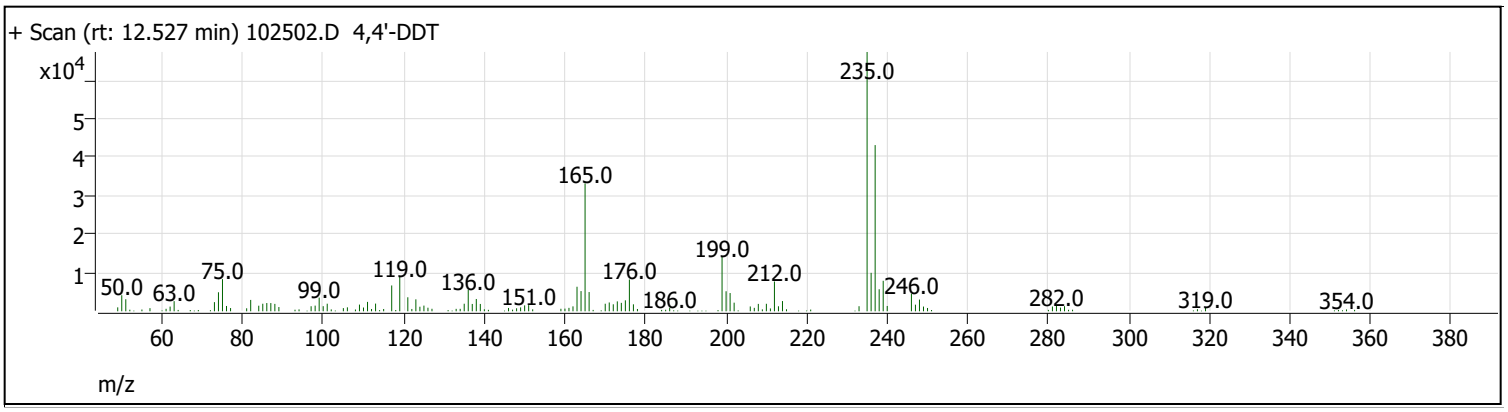


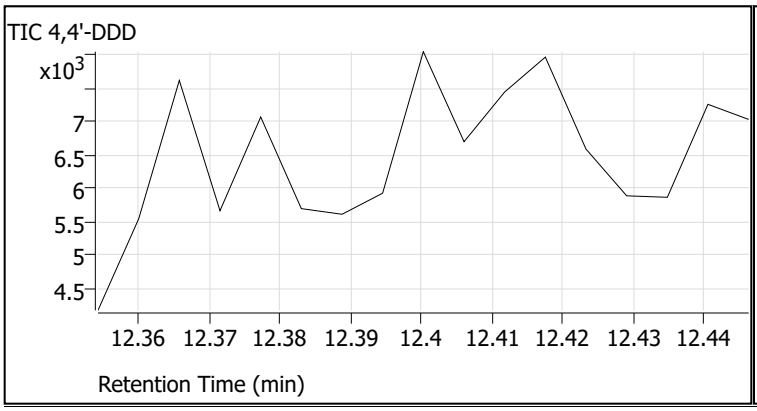
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	1.9	198	Pass
70	69	0	2	0.0	0	Pass
197	198	0	2	2.6	564	Fail
198	198	100	100	100.0	21841	Pass
199	198	5	9	6.9	1514	Pass
365	198	1	100	6.6	1431	Pass
441	443	1E-10	150	79.6	3035	Pass
442	442	100	100	100.0	19430	Pass
443	442	15	24	19.6	3814	Pass
69	69	100	100	100.0	10209	Pass

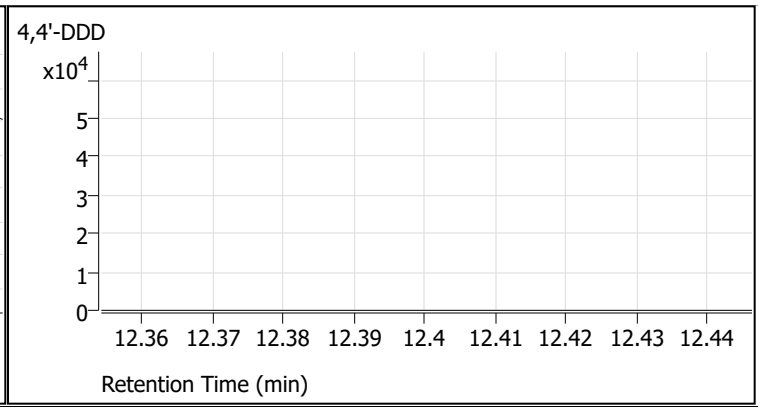
Tune Evaluation Report

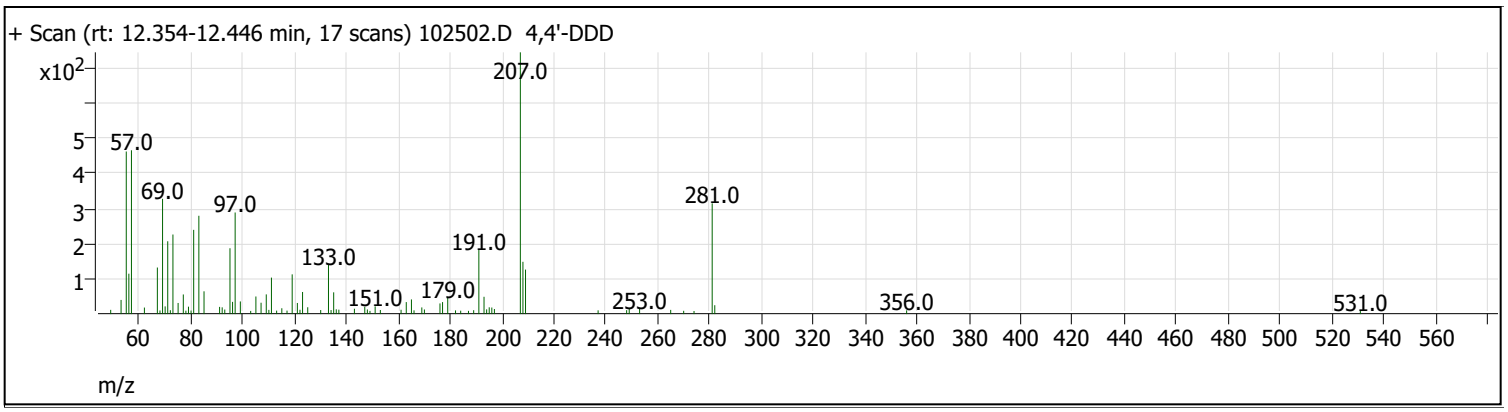






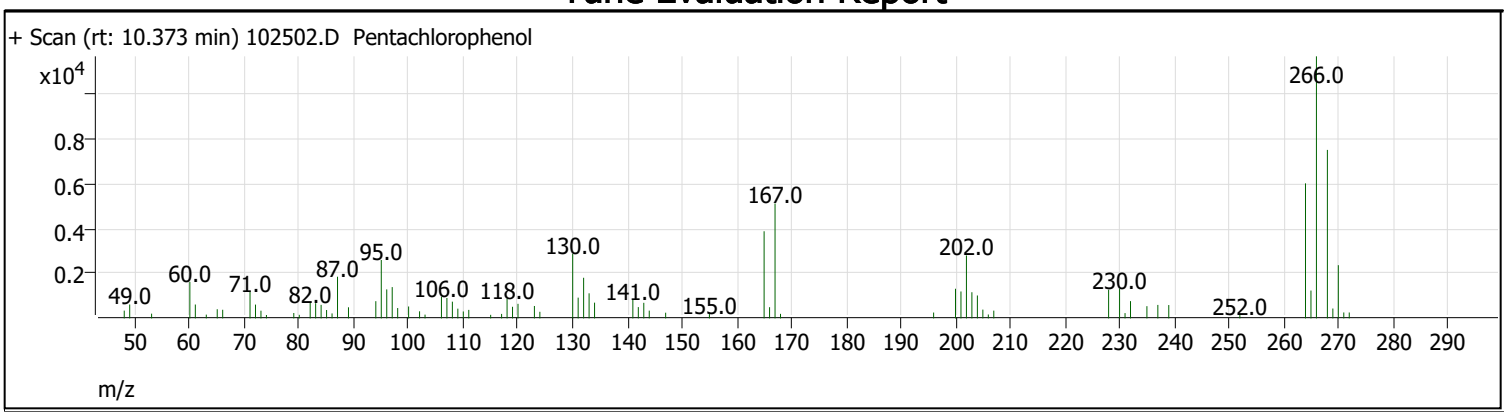


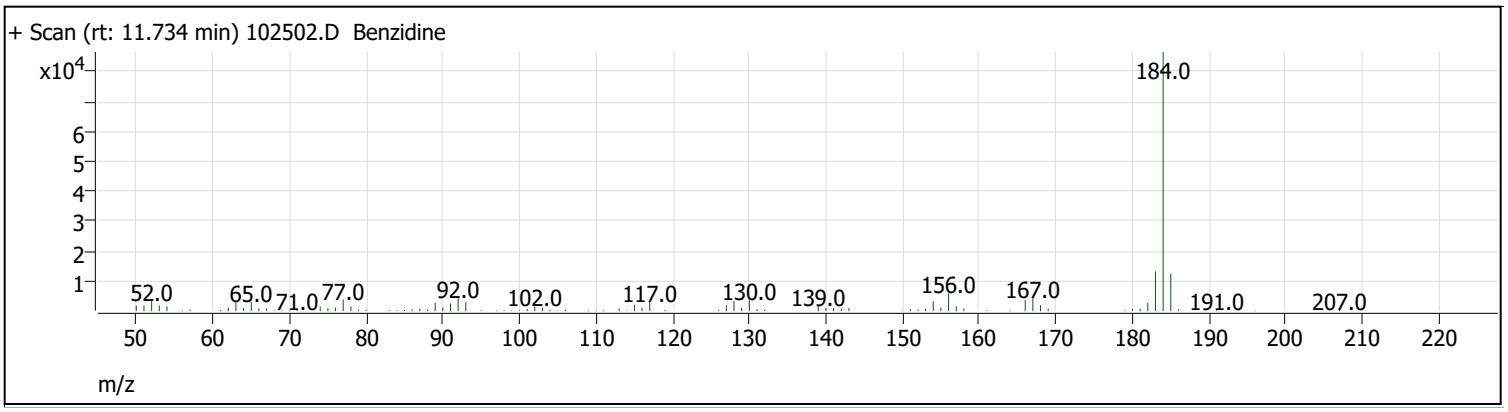




Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	12.500	12.527	409326	0.0	Pass
4,4'-DDD	12.400	0.000	0		

Tune Evaluation Report





Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	10.360	10.373	1.9	5.1	Pass
Benzidine	11.728	11.734	1.7	5.0	Pass

DATA SET for Review -- Deliverable Requirements

Polychlorinated Biphenyls (PCB) by EPA 8082

Fremont Analytical Work Order No. 2110360

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information

Injection Log

Data Directory: D:\GC-16\Data\2021\093021\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 093034.D	8081_8082A_608.M			
No data found			0.000	N/A
2) 093001.D	8081_8082A_608.M			
CO		6	1.000	30 Sep 2021 07:54 am
3) 093002.D	8081_8082A_608.M			
1660 10		11	1.000	30 Sep 2021 08:04 am
4) 093003.D	8081_8082A_608.M			
1660 20		12	1.000	30 Sep 2021 08:14 am
5) 093004.D	8081_8082A_608.M			
1660 50		13	1.000	30 Sep 2021 08:24 am
6) 093005.D	8081_8082A_608.M			
1660 100		14	1.000	30 Sep 2021 08:33 am
7) 093006.D	8081_8082A_608.M			
1660 200		15	1.000	30 Sep 2021 08:43 am
8) 093007.D	8081_8082A_608.M			
1660 500		16	1.000	30 Sep 2021 08:53 am
9) 093008.D	8081_8082A_608.M			
1660 1000		17	1.000	30 Sep 2021 09:02 am
10) 093009.D	8081_8082A_608.M			
1660 2000		18	1.000	30 Sep 2021 09:12 am
11) 093010.D	8081_8082A_608.M			
1660 ICB		19	1.000	30 Sep 2021 09:22 am
12) 093011.D	8081_8082A_608.M			
1660 ICV		20	1.000	30 Sep 2021 09:32 am
13) 093012.D	8081_8082A_608.M			
1254 10		21	1.000	30 Sep 2021 09:41 am
14) 093013.D	8081_8082A_608.M			
1660 ICV		20	1.000	30 Sep 2021 09:51 am
15) 093014.D	8081_8082A_608.M			
1254 20		22	1.000	30 Sep 2021 10:02 am
16) 093015.D	8081_8082A_608.M			
1254 50		23	1.000	30 Sep 2021 10:12 am
17) 093016.D	8081_8082A_608.M			
1254 100		24	1.000	30 Sep 2021 10:22 am
18) 093017.D	8081_8082A_608.M			
1254 200		25	1.000	30 Sep 2021 10:33 am
19) 093018.D	8081_8082A_608.M			
1254 500		26	1.000	30 Sep 2021 10:42 am
20) 093019.D	8081_8082A_608.M			
1254 1000		27	1.000	30 Sep 2021 10:52 am
21) 093020.D	8081_8082A_608.M			
1254 2000		28	1.000	30 Sep 2021 11:02 am

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 22) 093021.D              8081_8082A_608.M
1254 ICB                                29    1.000     30 Sep 2021  11:12 am
  ------------------------------------------------------------------------------
 23) 093022.D              8081_8082A_608.M
1254 ICV                                30    1.000     30 Sep 2021  11:21 am
  ------------------------------------------------------------------------------
 24) 093023.D              8081_8082A_608.M
1660-CCV-33867A                         17    1.000     30 Sep 2021  11:31 am
  ------------------------------------------------------------------------------
 25) 093024.D              8081_8082A_608.M
1254-CCV-33867A                         27    1.000     30 Sep 2021  11:41 am
  ------------------------------------------------------------------------------
 26) 093025.D              8081_8082A_608.M
MB-33867                                31    1.000     30 Sep 2021  11:50 am
  ------------------------------------------------------------------------------
 27) 093026.D              8081_8082A_608.M
LCS1-33867                              32    1.000     30 Sep 2021  12:00 pm
  ------------------------------------------------------------------------------
 28) 093027.D              8081_8082A_608.M
LCS1D-33867                             33    1.000     30 Sep 2021  12:10 pm
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 29) 093028.D              8081_8082A_608.M
LCS2-33867                              34    1.000     30 Sep 2021  12:20 pm
  ------------------------------------------------------------------------------
 30) 093029.D              8081_8082A_608.M
LCS-LL-33867                            35    1.000     30 Sep 2021  12:29 pm
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 31) 093030.D              8081_8082A_608.M
2109469-001A                            44    1.000     30 Sep 2021  12:39 pm
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 32) 093031.D              8081_8082A_608.M
2109469-001AMS                          45    1.000     30 Sep 2021  12:49 pm
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 33) 093032.D              8081_8082A_608.M
2109390-011E                            36    1.000     30 Sep 2021  12:58 pm
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 34) 093033.D              8081_8082A_608.M
2109397-003C                            37    1.000     30 Sep 2021  01:08 pm
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Injection Log

Data Directory: D:\GC-16\Data\2021\102621\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	102601.D	8081_8082A_608.M			
CO			6	1.000	26 Oct 2021 09:54 am
2)	102602.D	8081_8082A_608.M			
CO			7	1.000	26 Oct 2021 10:04 am
3)	102603.D	8081_8082A_608.M			
1660-CCV-			6	1.000	26 Oct 2021 10:14 am
4)	102604.D	8081_8082A_608.M			
1254-CCV-			7	1.000	26 Oct 2021 10:23 am
5)	102605.D	8081_8082A_608.M			
MB-34177			11	1.000	26 Oct 2021 03:30 pm
6)	102606.D	8081_8082A_608.M			
LCS1-34177			12	1.000	26 Oct 2021 03:40 pm
7)	102607.D	8081_8082A_608.M			
LCS1D-34177			13	1.000	26 Oct 2021 03:50 pm
8)	102608.D	8081_8082A_608.M			
LCS2-34177			14	1.000	26 Oct 2021 04:00 pm
9)	102609.D	8081_8082A_608.M			
2110360-001A			15	1.000	26 Oct 2021 04:09 pm
10)	102610.D	8081_8082A_608.M			
2110360-002A			16	1.000	26 Oct 2021 04:19 pm
11)	102611.D	8081_8082A_608.M			
2110364-001A			17	1.000	26 Oct 2021 04:29 pm
12)	102612.D	8081_8082A_608.M			
2110364-002A			18	1.000	26 Oct 2021 04:39 pm
13)	102613.D	8081_8082A_608.M			
2110364-003A			19	1.000	26 Oct 2021 04:48 pm
14)	102614.D	8081_8082A_608.M			
2110364-004A			20	1.000	26 Oct 2021 04:58 pm
15)	102615.D	8081_8082A_608.M			
2110364-009A			21	1.000	26 Oct 2021 05:08 pm
16)	102616.D	8081_8082A_608.M			
2110364-010A			22	1.000	26 Oct 2021 05:18 pm
17)	102617.D	8081_8082A_608.M			
2110364-011A			23	1.000	26 Oct 2021 05:27 pm
18)	102618.D	8081_8082A_608.M			
2110364-012A			24	1.000	26 Oct 2021 05:37 pm
19)	102619.D	8081_8082A_608.M			
2110364-013A			25	1.000	26 Oct 2021 05:47 pm
20)	102620.D	8081_8082A_608.M			
2110364-014A			26	1.000	26 Oct 2021 05:56 pm
21)	102621.D	8081_8082A_608.M			
2110364-015A			27	1.000	26 Oct 2021 06:06 pm

22) 102622.D 8081_8082A_608.M
2110364-015AMS 28 1.000 26 Oct 2021 06:16 pm

23) 102623.D 8081_8082A_608.M
2110364-015AMSD 29 1.000 26 Oct 2021 06:26 pm

24) 102624.D 8081_8082A_608.M
CO 7 1.000 26 Oct 2021 06:35 pm

25) 102625.D 8081_8082A_608.M
1660-CCV-34177B 6 1.000 26 Oct 2021 06:45 pm

26) 102626.D 8081_8082A_608.M
1254-CCV-34177B 7 1.000 26 Oct 2021 06:55 pm

27) 102701.D 8081_8082A_608.M
CO 6 1.000 27 Oct 2021 08:10 am

28) 102702.D 8081_8082A_608.M
CO 7 1.000 27 Oct 2021 08:20 am

29) 102703.D 8081_8082A_608.M
1660-CCV- 6 1.000 27 Oct 2021 08:29 am

30) 102704.D 8081_8082A_608.M
1254-CCV- 7 1.000 27 Oct 2021 08:39 am

31) 102705.D 8081_8082A_608.M
2110372-001A 31 1.000 27 Oct 2021 08:56 am

32) 102706.D 8081_8082A_608.M
2110372-002A 32 1.000 27 Oct 2021 09:06 am

33) 102707.D 8081_8082A_608.M
2110372-003A 33 1.000 27 Oct 2021 09:15 am

34) 102708.D 8081_8082A_608.M
2110372-004A 34 1.000 27 Oct 2021 09:25 am

35) 102709.D 8081_8082A_608.M
1660-CCV- 6 1.000 27 Oct 2021 09:35 am

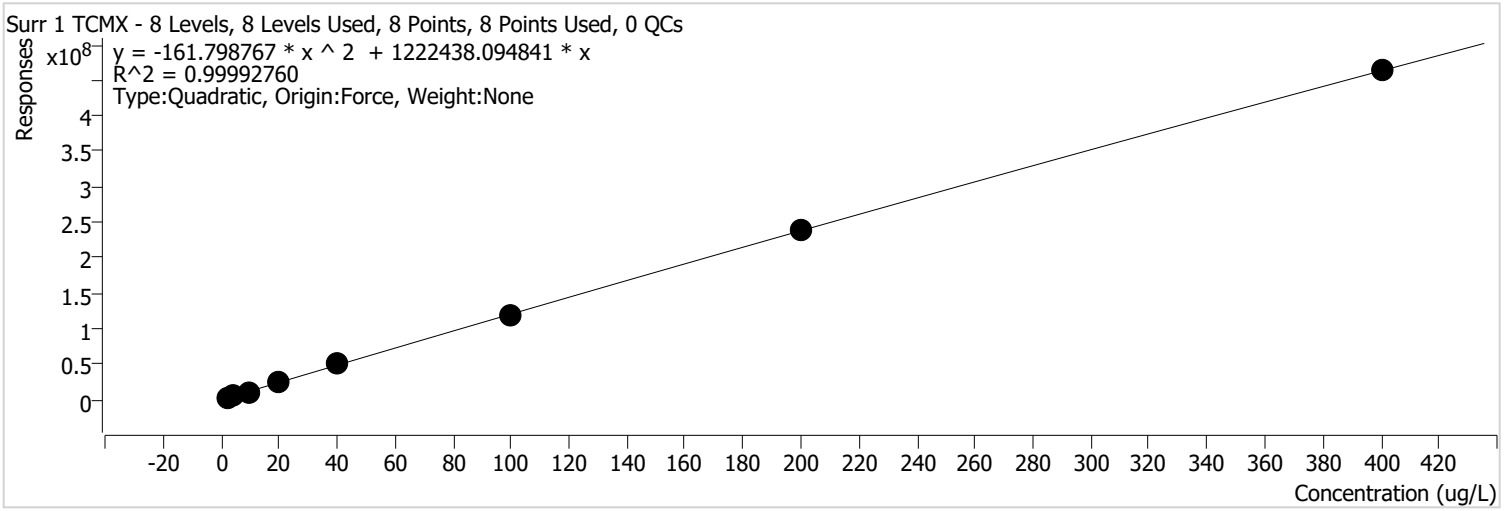
36) 102710.D 8081_8082A_608.M
1254-CCV- 7 1.000 27 Oct 2021 09:45 am

Calibration

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:22 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 1 TCMX %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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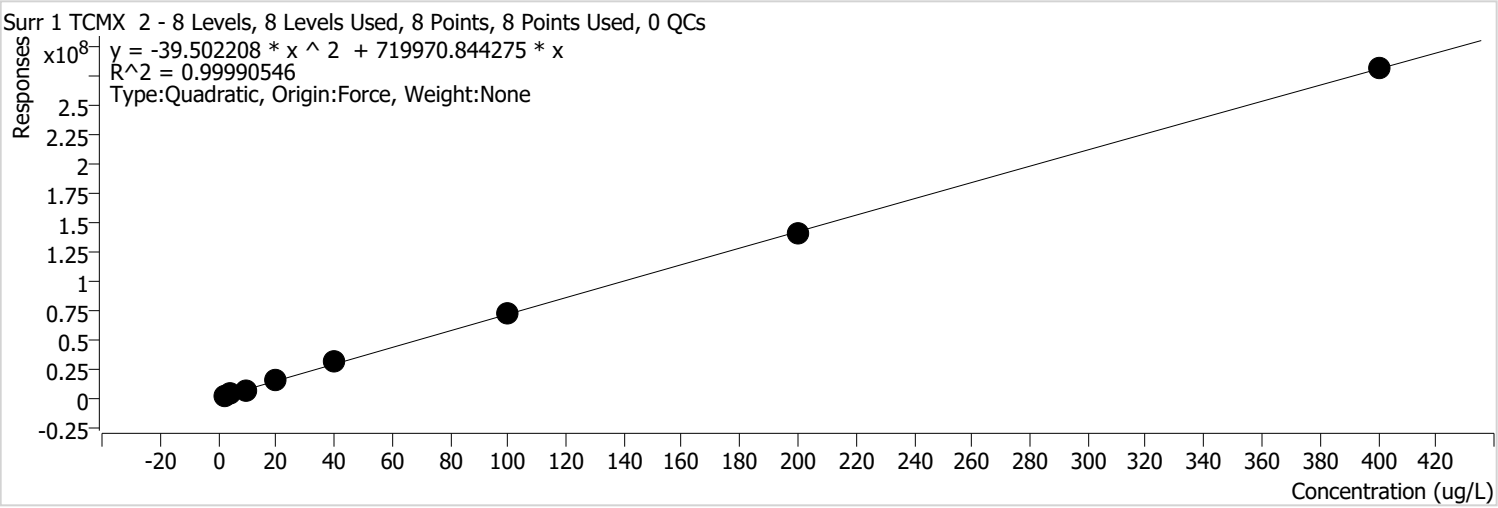
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	5501171	4.0000	1375292.7028	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	11449948	10.0000	1144994.7636	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	26421926	20.0000	1321096.2764	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	50798942	40.0000	1269973.5488	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	118768018	100.0000	1187680.1829	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	238292847	200.0000	1191464.2361	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	463107967	400.0000	1157769.9172	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 1 TCMX 2 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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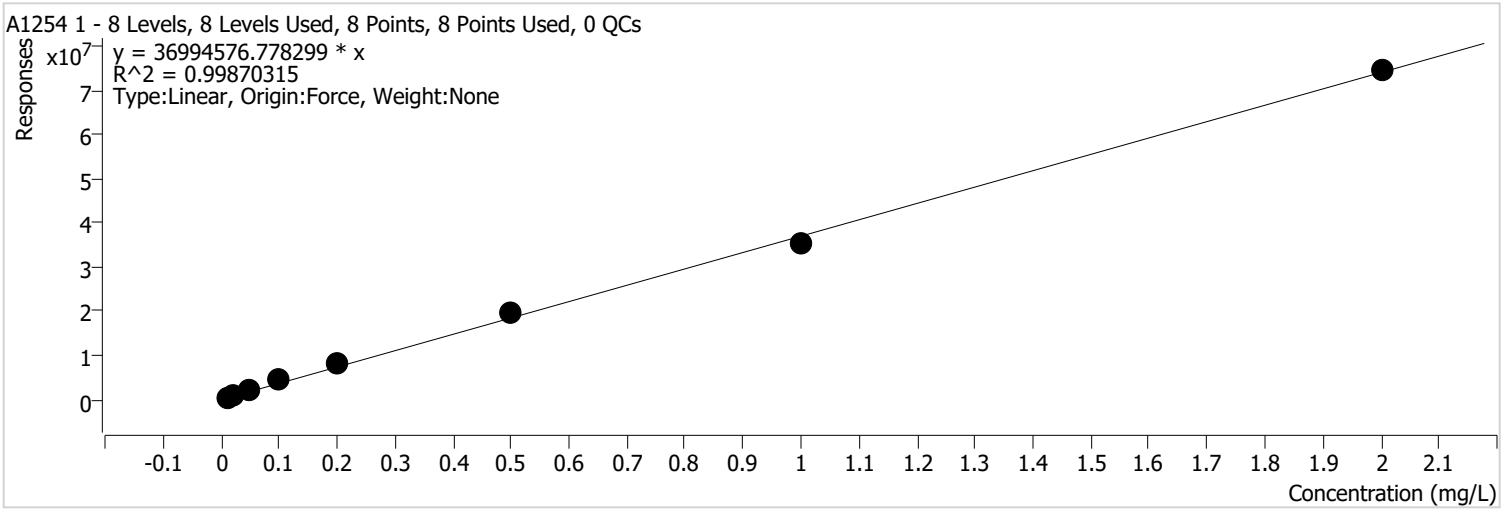
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	3470818	4.0000	867704.5477	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	6955331	10.0000	695533.1168	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	15983700	20.0000	799184.9873	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	30416920	40.0000	760422.9906	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	71319062	100.0000	713190.6157	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	141716800	200.0000	708584.0024	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	281839270	400.0000	704598.1740	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

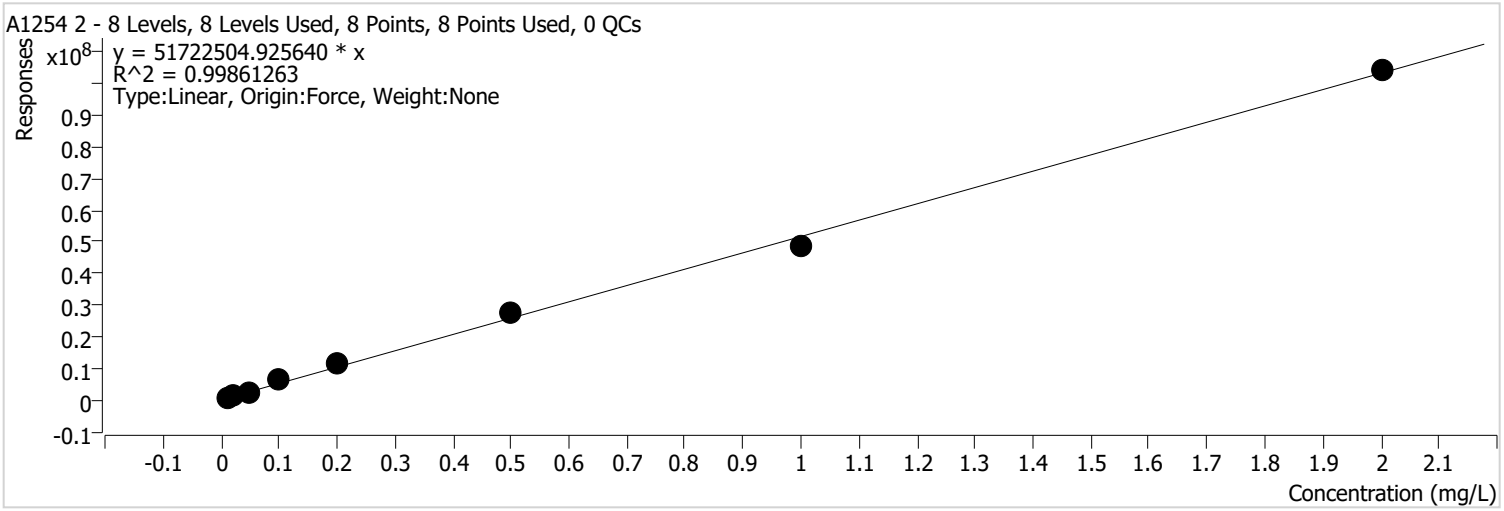
A1254 1 %RSE = 17.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	395855	0.0100	39585515.2992	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	944393	0.0200	47219666.5214	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2057399	0.0500	41147983.0597	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4641418	0.1000	46414177.6100	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	8328295	0.2000	41641475.2047	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	19677294	0.5000	39354588.7044	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	35378372	1.0000	35378372.4367	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	74354852	2.0000	37177425.9706	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

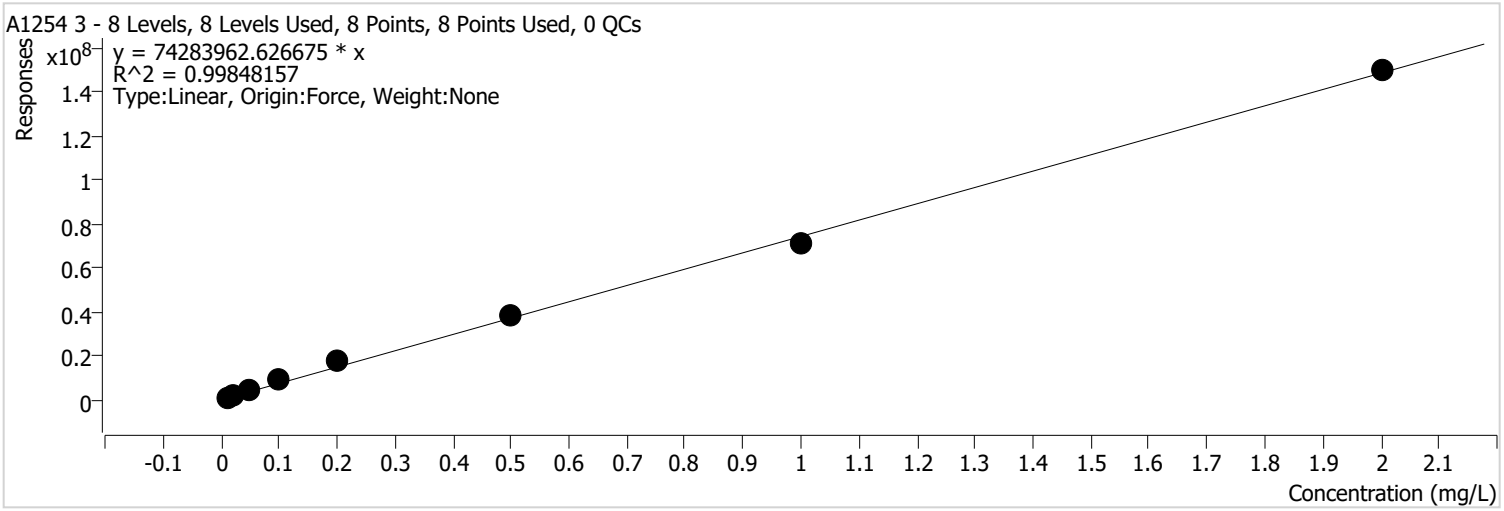
A1254 2 %RSE = 23.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	724183	0.0100	72418255.2468	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1367687	0.0200	68384349.9245	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2664818	0.0500	53296364.1113	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	6329142	0.1000	63291424.4759	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	11640085	0.2000	58200422.9118	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	27312124	0.5000	54624248.9388	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	49133781	1.0000	49133781.3867	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	104182916	2.0000	52091458.0906	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

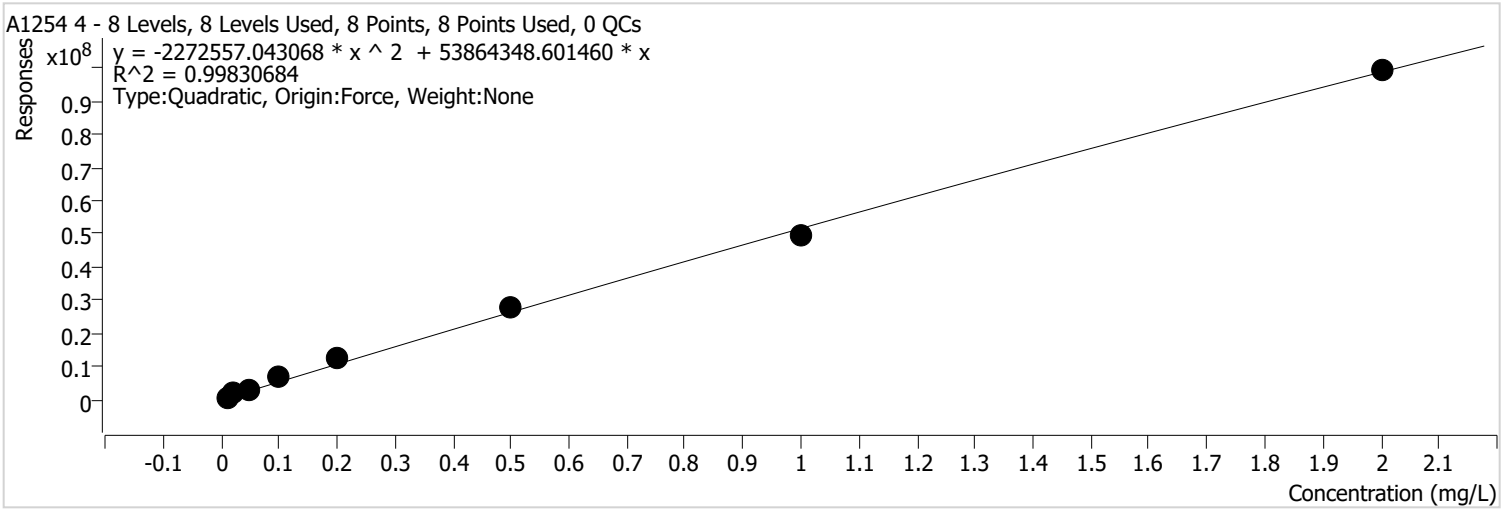
A1254 3 %RSE = 25.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	968244	0.0100	96824407.6425	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	2137905	0.0200	106895252.8077	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	4041302	0.0500	80826030.1402	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	9199778	0.1000	91997781.0889	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	17458680	0.2000	87293400.7929	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	38943523	0.5000	77887045.9859	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	70621068	1.0000	70621068.4727	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	149584402	2.0000	74792201.0951	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

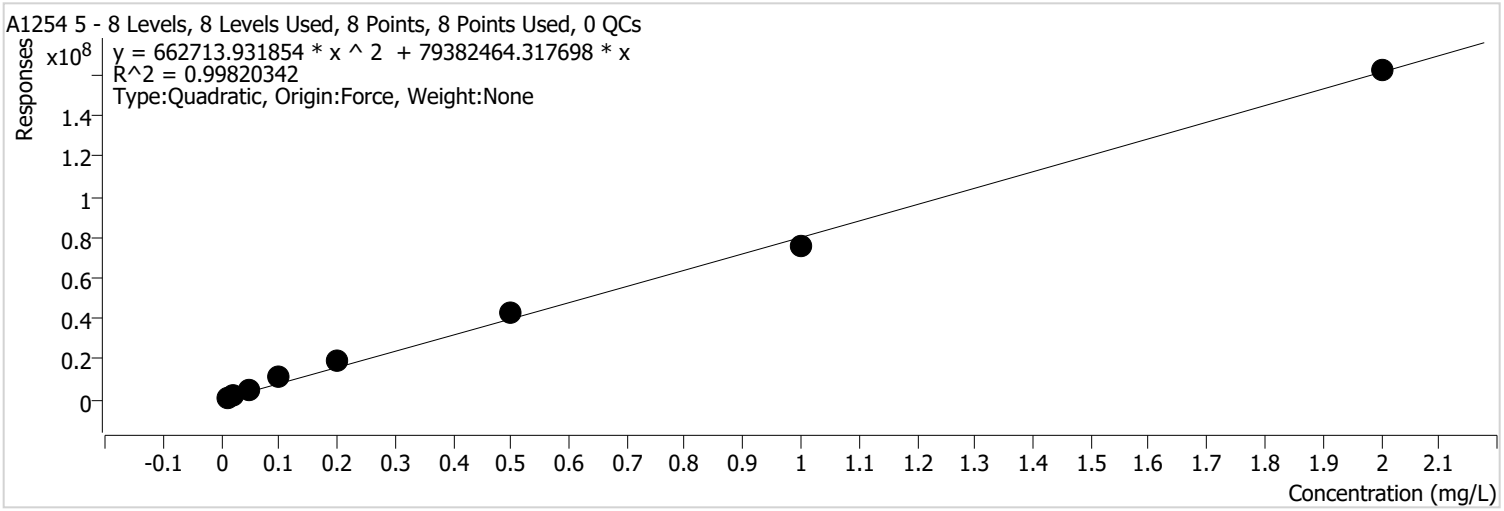
A1254 4 %RSE = 52.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	686096	0.0100	68609559.3839	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	2228251	0.0200	111412565.2676	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	3069701	0.0500	61394028.5651	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	6926129	0.1000	69261291.2286	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	12565315	0.2000	62826573.7891	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	27722398	0.5000	55444796.4972	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	49512340	1.0000	49512340.2188	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	99050337	2.0000	49525168.4548	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

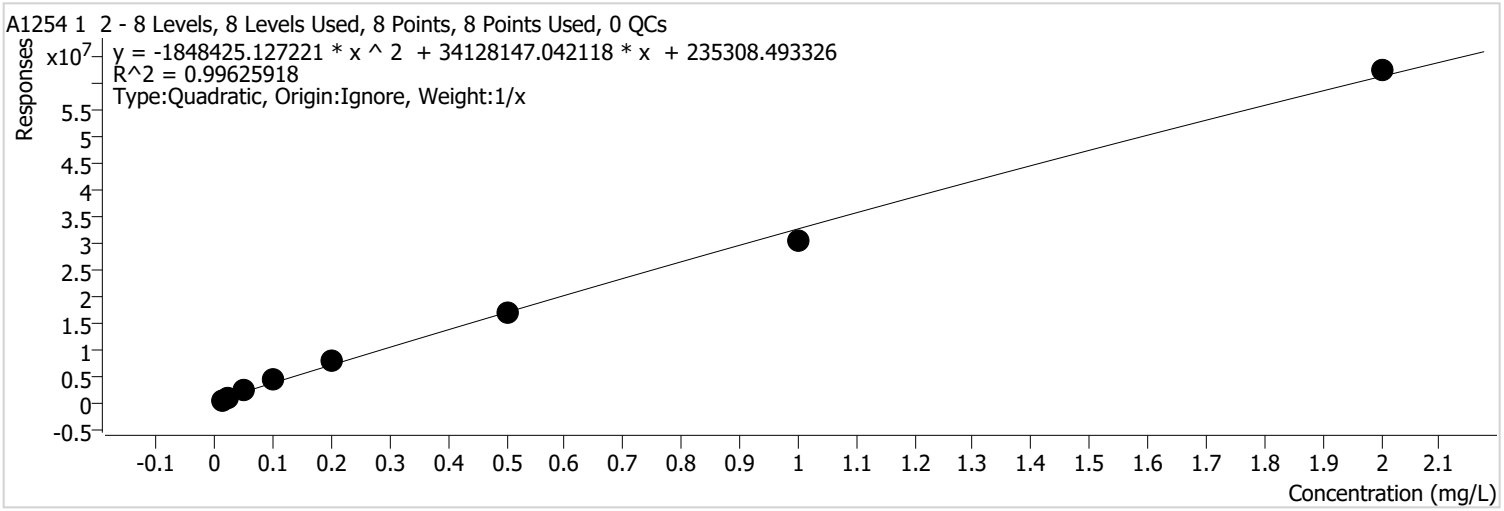
A1254 5 %RSE = 26.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	1020874	0.0100	10208741 9.6439	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1993529	0.0200	99676448 .6731	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	4751353	0.0500	95027052 .3297	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	10753746	0.1000	10753746 2.2424	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	18860824	0.2000	94304119 .8496	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	42553518	0.5000	85107036 .1156	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	76327536	1.0000	76327535 .6302	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	162139523	2.0000	81069761 .2765	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

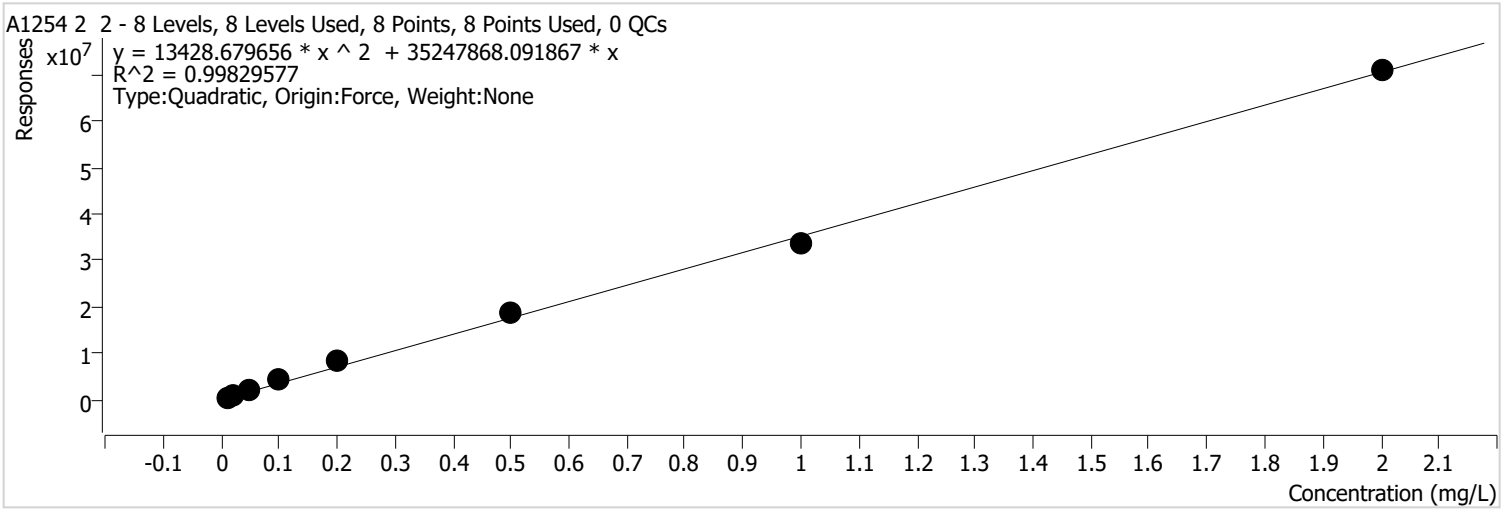
A1254 1 2 %RSE = 19.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	451635	0.0100	45163453.5256	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	980612	0.0200	49030615.3782	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2054540	0.0500	41090799.6005	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4167153	0.1000	41671526.9943	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	7671987	0.2000	38359936.8127	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	16802254	0.5000	33604508.3008	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	30206895	1.0000	30206895.4610	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	62162404	2.0000	31081201.7621	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

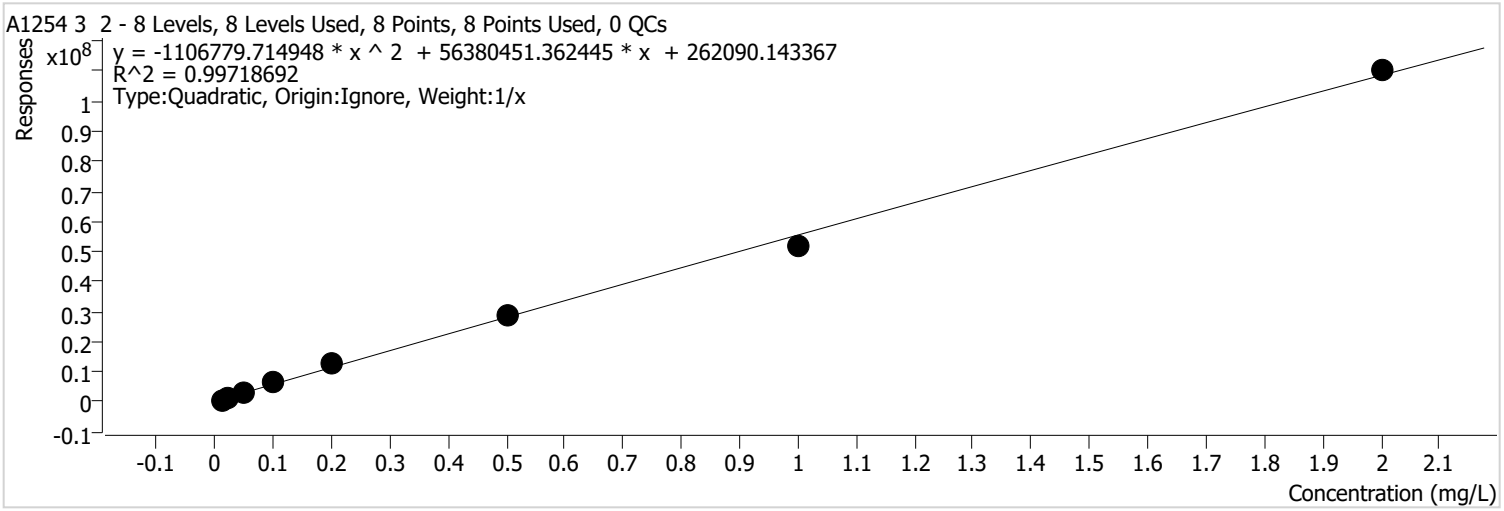
A1254 2 2 %RSE = 32.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	484954	0.0100	48495359.5819	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1059158	0.0200	52957882.2088	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	1985173	0.0500	39703465.3877	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4492117	0.1000	44921173.2075	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	8470833	0.2000	42354166.5894	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	18772932	0.5000	37545863.5221	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	33668459	1.0000	33668458.8550	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	70859255	2.0000	35429627.3418	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

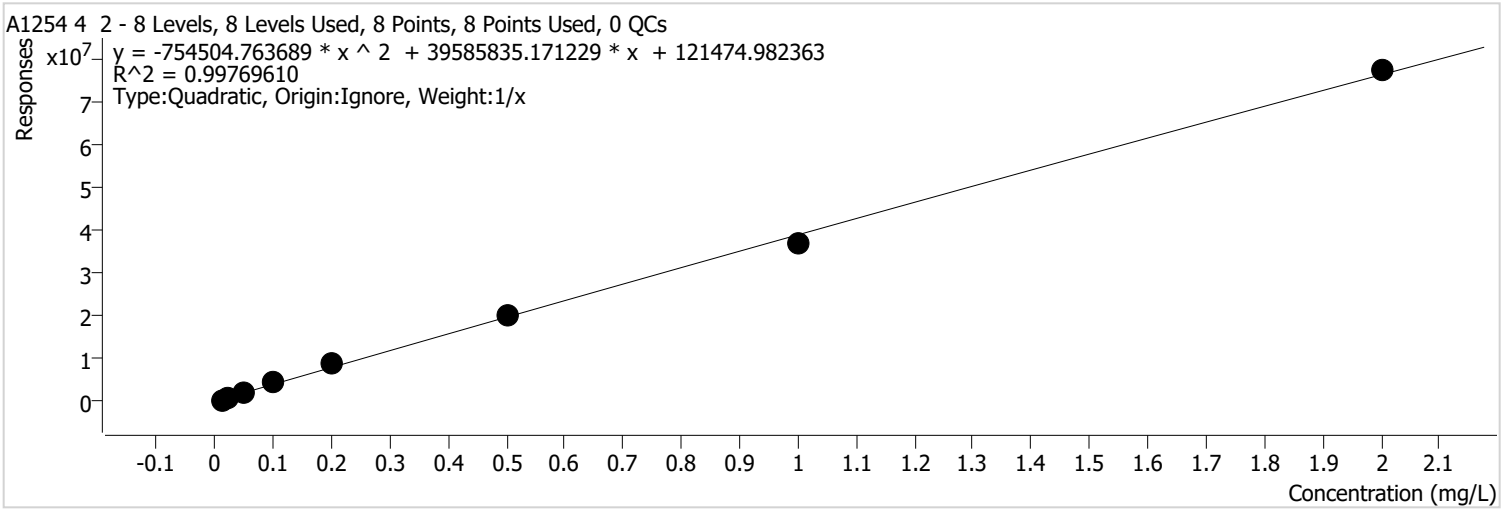
A1254 3 2 %RSE = 13.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	723400	0.0100	72339996.2119	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1487114	0.0200	74355714.8858	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2782341	0.0500	55646812.4860	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	6610456	0.1000	66104564.7499	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	12703123	0.2000	63515616.9206	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	28576557	0.5000	57153114.1770	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	51974329	1.0000	51974328.6251	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	110126299	2.0000	55063149.5740	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

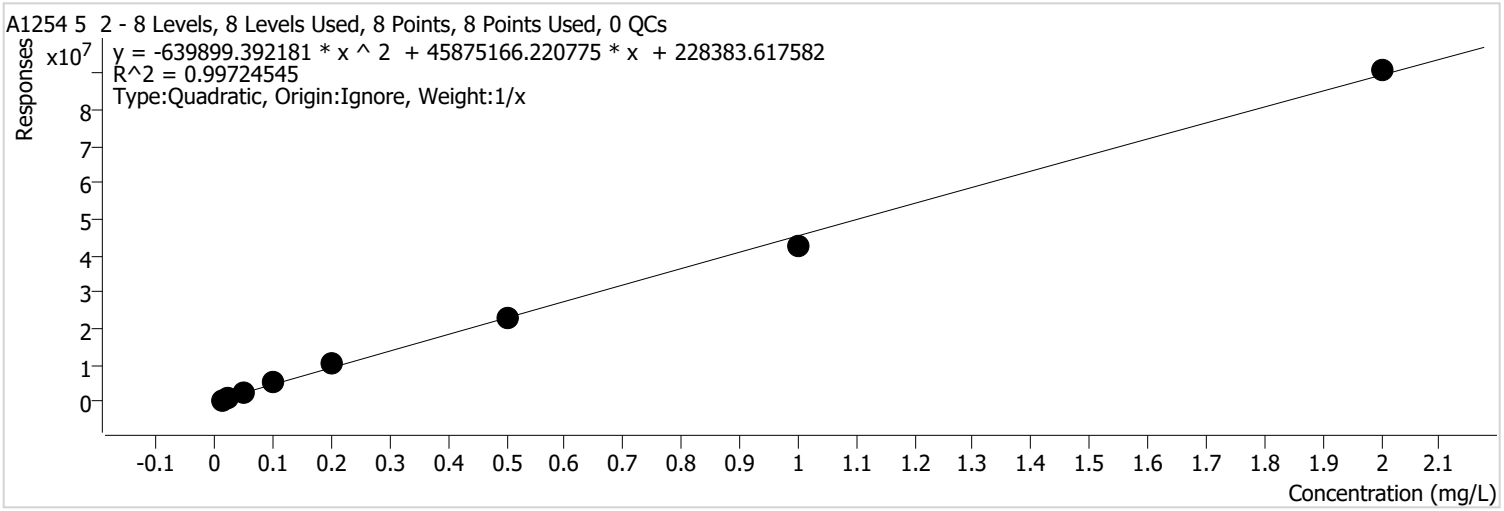
A1254 4 2 %RSE = 12.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	456167	0.0100	45616743.7009	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	992137	0.0200	49606842.0830	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	1842588	0.0500	36851751.2082	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	4575383	0.1000	45753834.9499	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	8666046	0.2000	43330229.2589	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	20065006	0.5000	40130011.3551	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	36769274	1.0000	36769274.3145	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	77197100	2.0000	38598550.1918	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

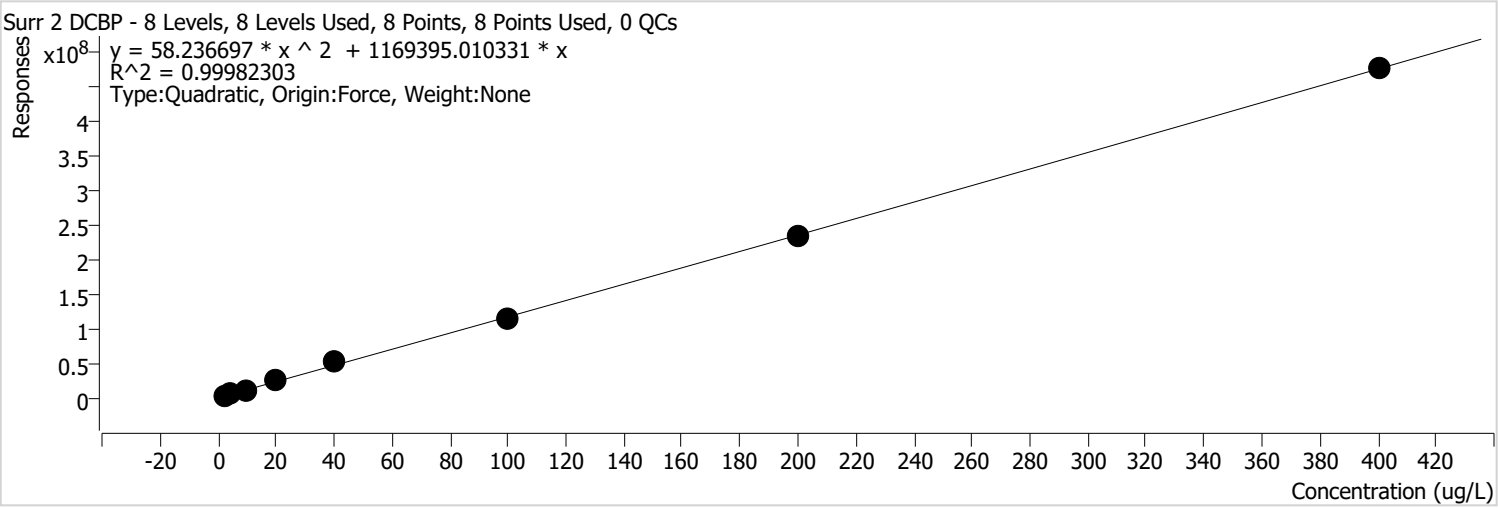
A1254 5 2 %RSE = 14.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	587780	0.0100	58778014.6034	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	1251861	0.0200	62593052.6812	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	2273246	0.0500	45464920.7455	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	5477425	0.1000	54774254.0032	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	10320059	0.2000	51600296.6787	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	23147064	0.5000	46294128.9996	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	42756438	1.0000	42756437.7267	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	90615453	2.0000	45307726.6005	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

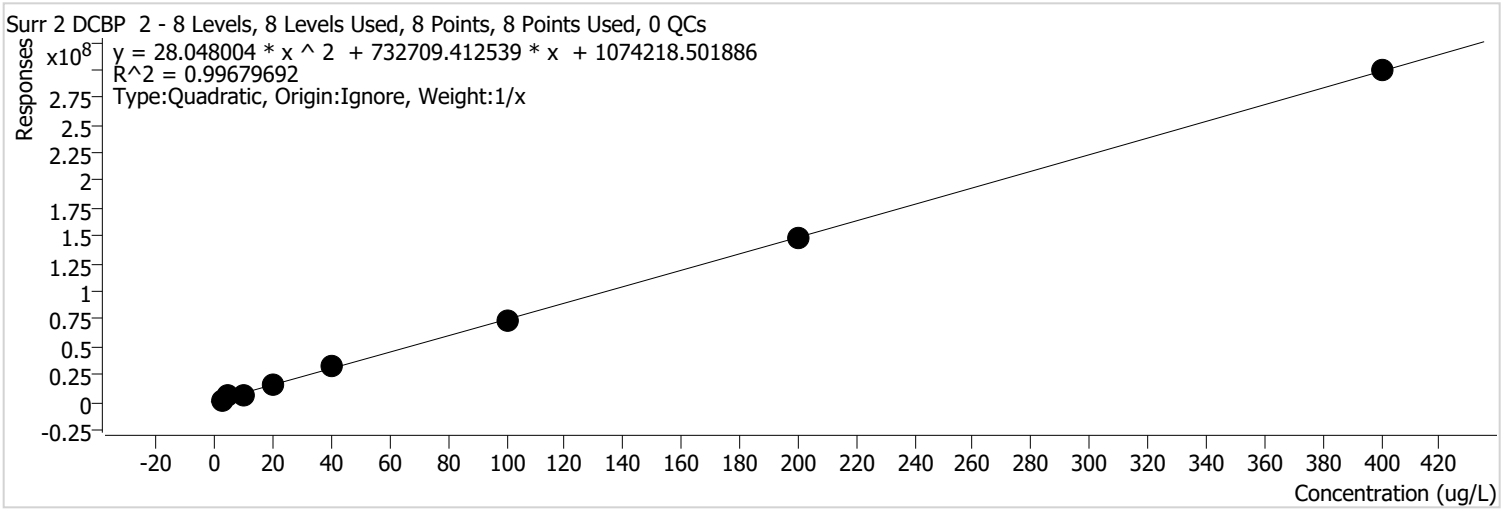
Surr 2 DCBP %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	3183383	2.0000	1591691.4434	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	6037207	4.0000	1509301.7922	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	10717279	10.0000	1071727.9287	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	26213780	20.0000	1310688.9819	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	51148440	40.0000	1278710.9979	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	115483968	100.0000	1154839.6777	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	235688984	200.0000	1178444.9213	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	477283772	400.0000	1193209.4297	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1254 CAL.batch.bin		
Analysis Time	9/30/2021 1:22 PM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 1:24:23 PM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 1:22 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 2 DCBP 2 %RSE =

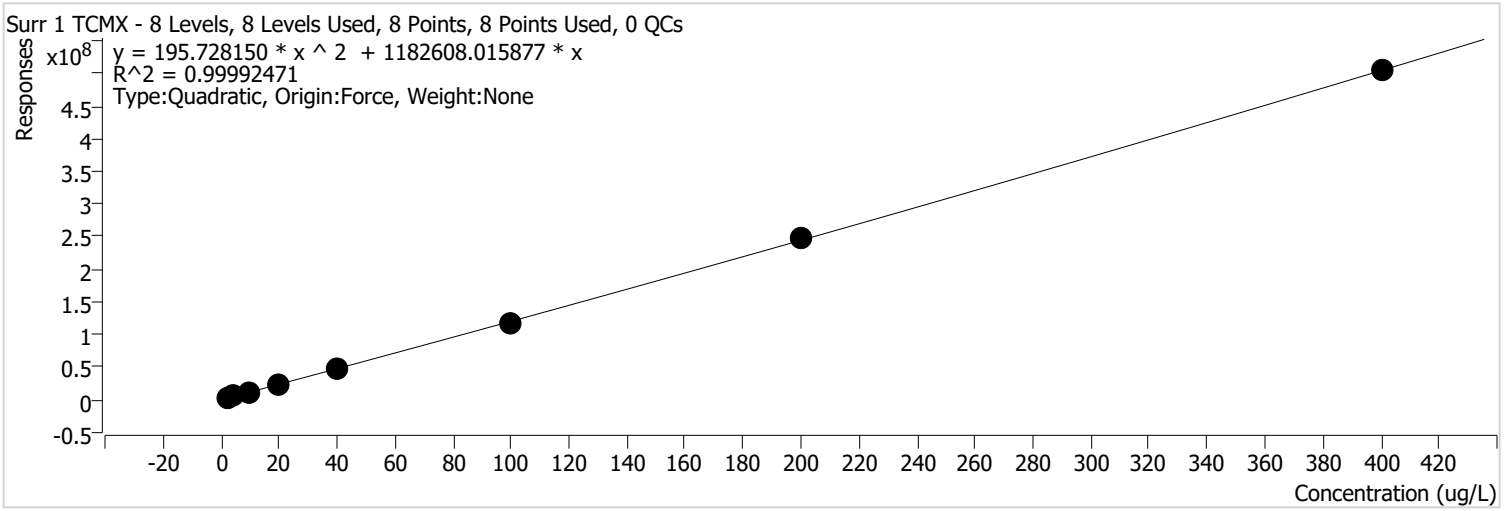


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093012.D	Calibration	1	x	2044392	2.0000	1022196.0435	
D:\GC-16\Data\2021\093021\093014.D	Calibration	2	x	5552223	4.0000	1388055.6740	
D:\GC-16\Data\2021\093021\093015.D	Calibration	3	x	6444990	10.0000	644498.9905	
D:\GC-16\Data\2021\093021\093016.D	Calibration	4	x	16188871	20.0000	809443.5344	
D:\GC-16\Data\2021\093021\093017.D	Calibration	5	x	32492648	40.0000	812316.1880	
D:\GC-16\Data\2021\093021\093018.D	Calibration	6	x	73000396	100.0000	730003.9561	
D:\GC-16\Data\2021\093021\093019.D	Calibration	7	x	148348565	200.0000	741742.8246	
D:\GC-16\Data\2021\093021\093020.D	Calibration	8	x	299053711	400.0000	747634.2781	

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:30 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 1 TCMX %RSE = 4.5

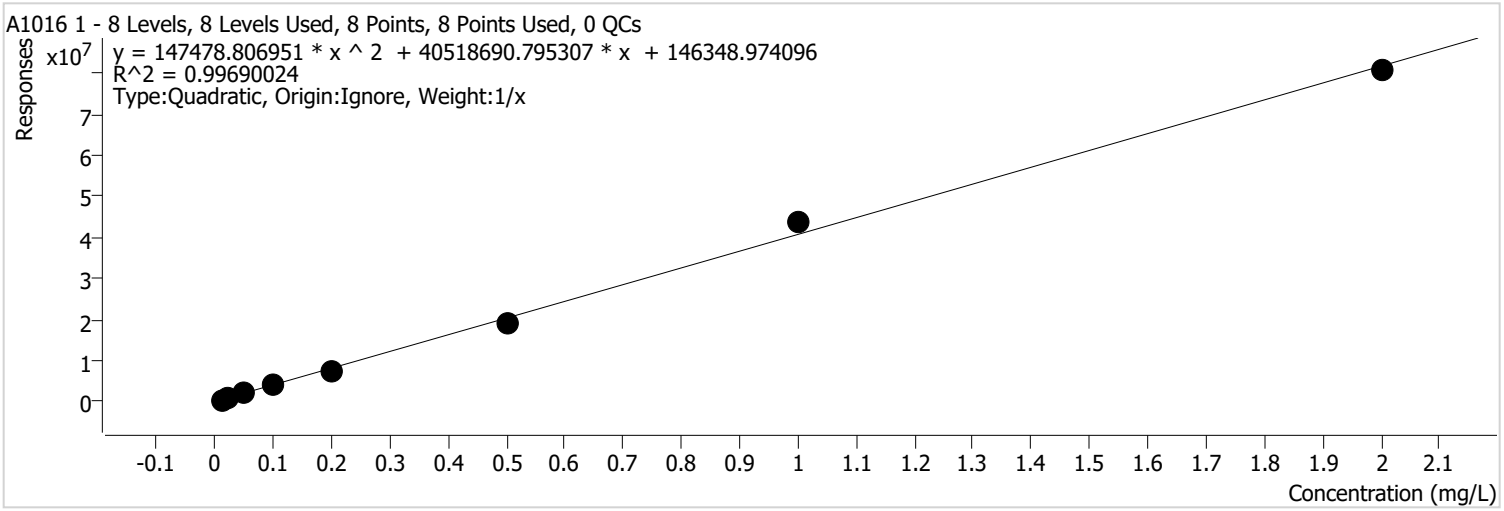


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	2474438	2.0000	1237219.1706	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	4987633	4.0000	1246908.2243	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	12384484	10.0000	1238448.4010	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	24518060	20.0000	1225902.9840	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	45851613	40.0000	1146290.3301	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	117657330	100.0000	1176573.3042	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	246692607	200.0000	1233463.0357	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	503949613	400.0000	1259874.0320	

Calibration Report

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

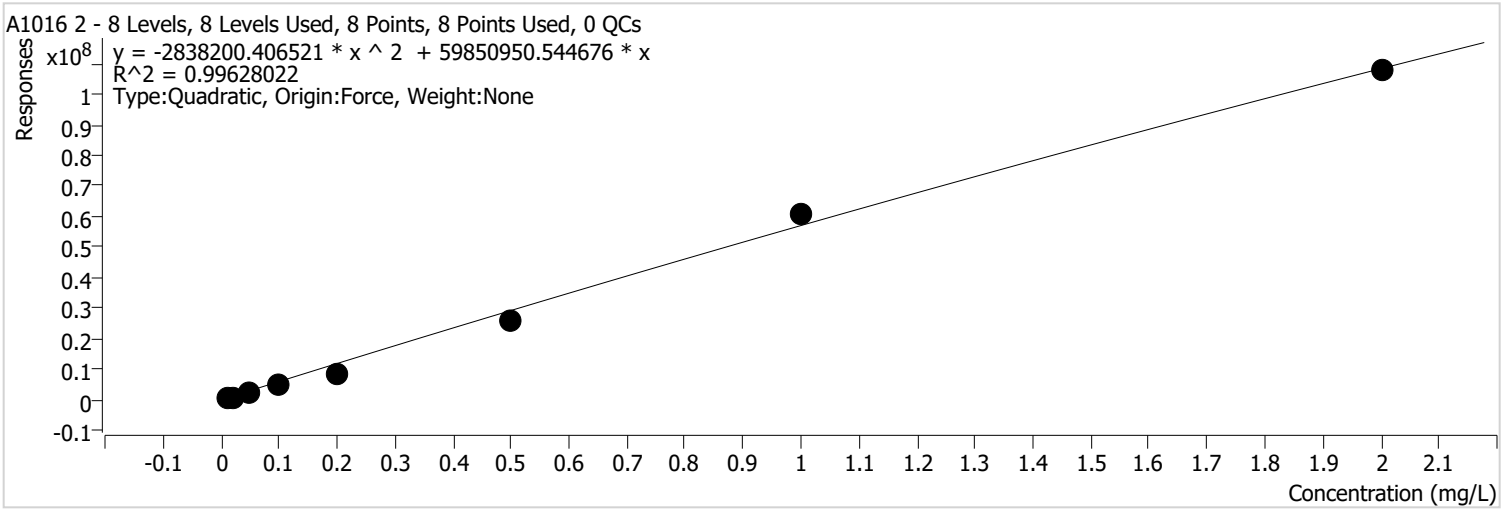
A1016 1 %RSE = 7.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	540249	0.0100	54024874.9832	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1015891	0.0200	50794541.9577	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2256885	0.0500	45137701.9491	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	4236470	0.1000	42364702.3382	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	7565183	0.2000	37825913.9081	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	18919821	0.5000	37839642.8154	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	44011403	1.0000	44011402.5153	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	80619491	2.0000	40309745.2835	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

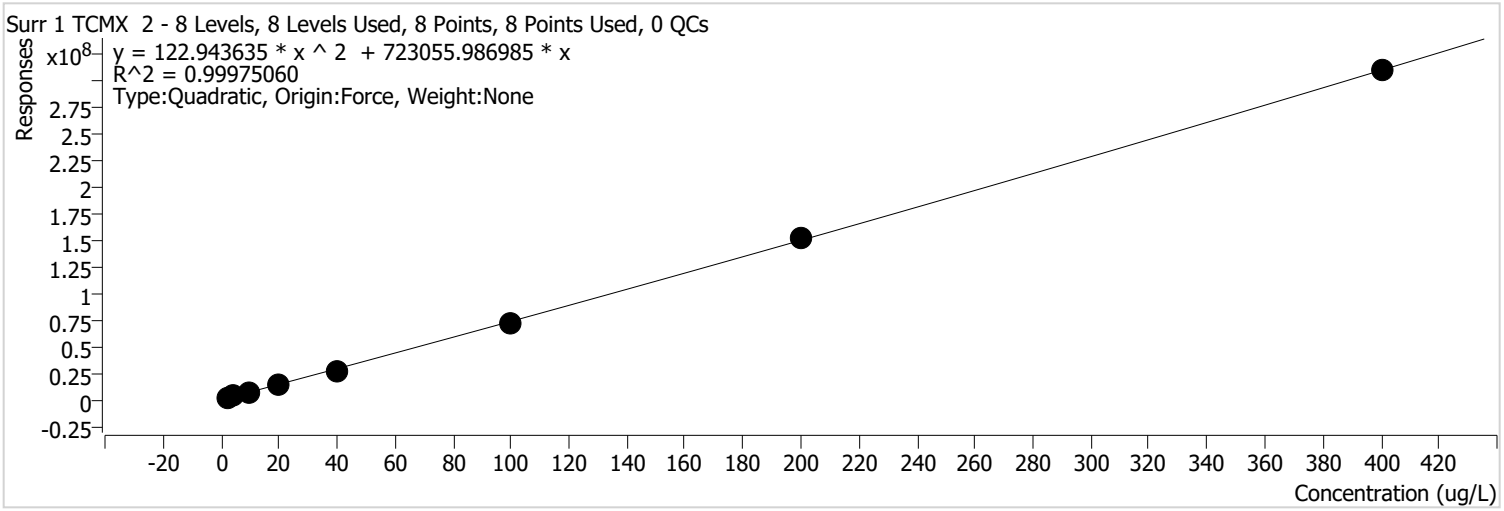
A1016 2 %RSE = 18.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	627978	0.0100	62797773.7890	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1009212	0.0200	50460581.6849	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2439382	0.0500	48787633.7407	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5094470	0.1000	50944700.0329	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	8813052	0.2000	44065261.7449	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	25705784	0.5000	51411568.8418	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	60964923	1.0000	60964923.3944	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	107613391	2.0000	53806695.4342	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

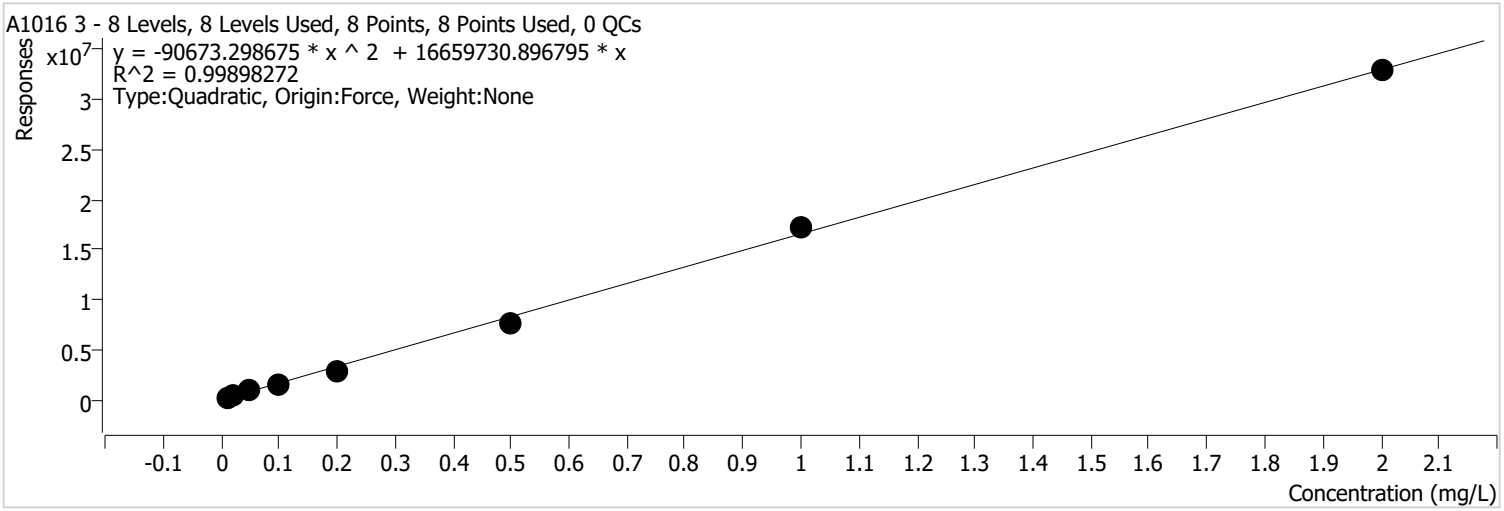
Surr 1 TCMX 2 %RSE = 4.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1503774	2.0000	751887.1802	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	3067405	4.0000	766851.1424	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	7327299	10.0000	732729.8999	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	14477484	20.0000	723874.1895	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	27169955	40.0000	679248.8664	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	70673943	100.0000	706739.4275	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	152366404	200.0000	761832.0216	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	308382330	400.0000	770955.8244	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

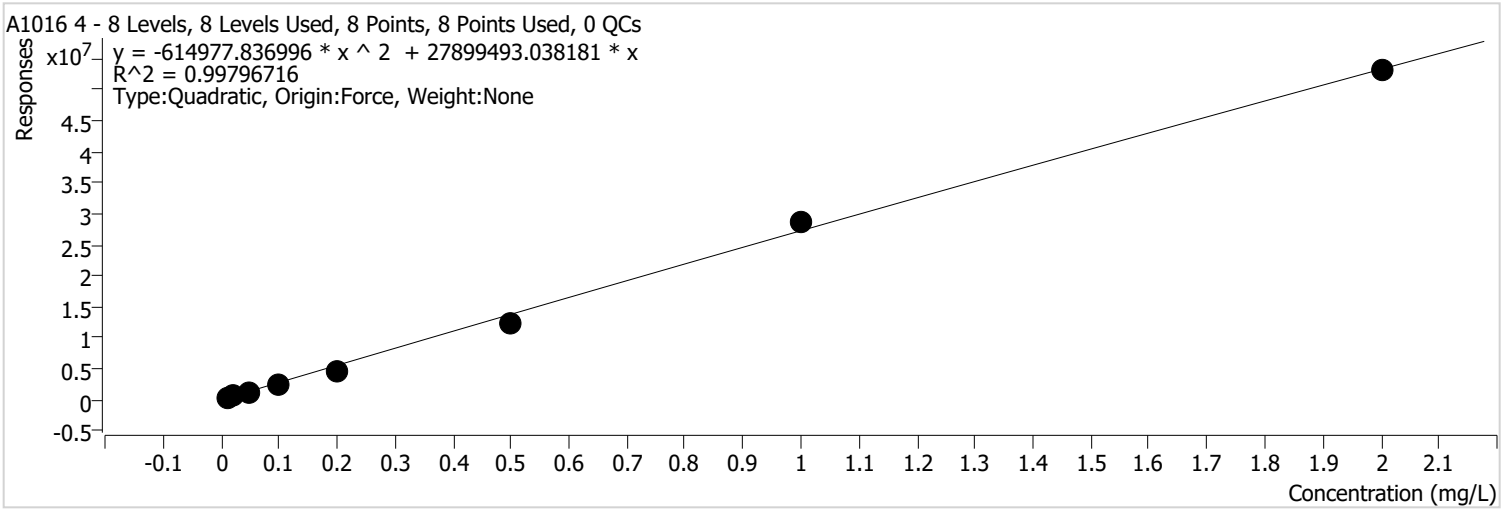
A1016 3 %RSE = 9.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	150518	0.0100	15051764.4428	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	347023	0.0200	17351127.6415	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	891972	0.0500	17839430.6314	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1592932	0.1000	15929318.1107	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	2808702	0.2000	14043512.2787	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	7760432	0.5000	15520863.4808	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	17173897	1.0000	17173896.8888	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	32845070	2.0000	16422535.0625	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

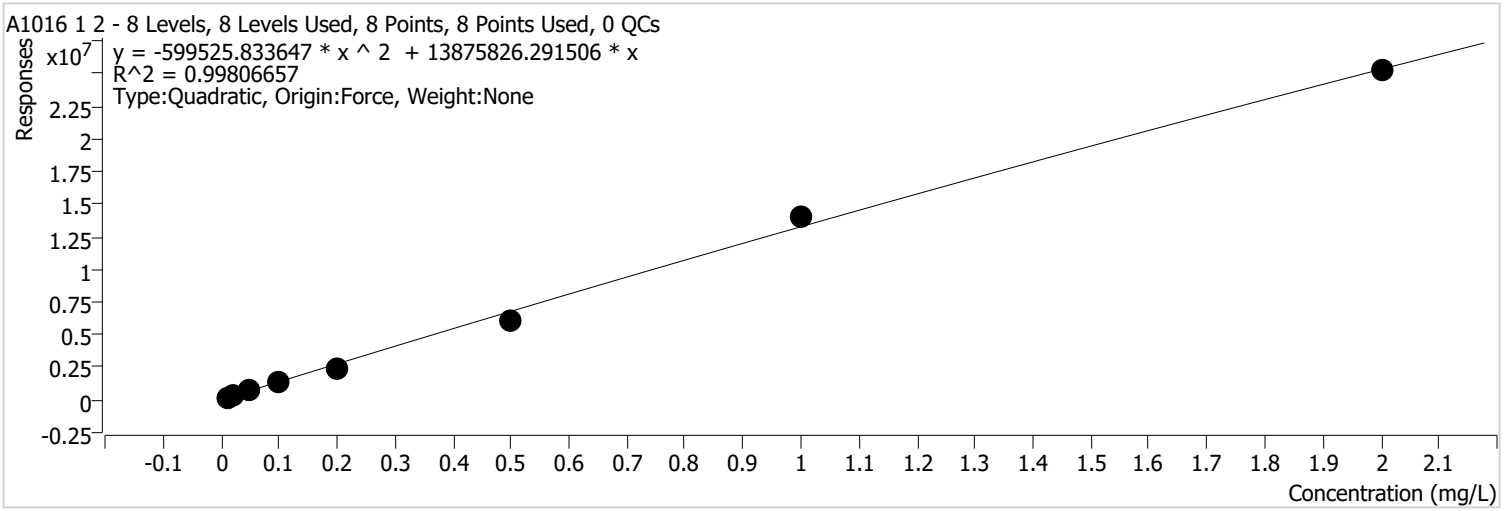
A1016 4 %RSE = 9.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	264805	0.0100	26480526.0256	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	561269	0.0200	28063472.0185	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1342581	0.0500	26851617.8650	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2651472	0.1000	26514719.9651	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	4621923	0.2000	23109614.1009	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	12370922	0.5000	24741844.6725	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	28719583	1.0000	28719582.8557	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	53079072	2.0000	26539535.8344	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

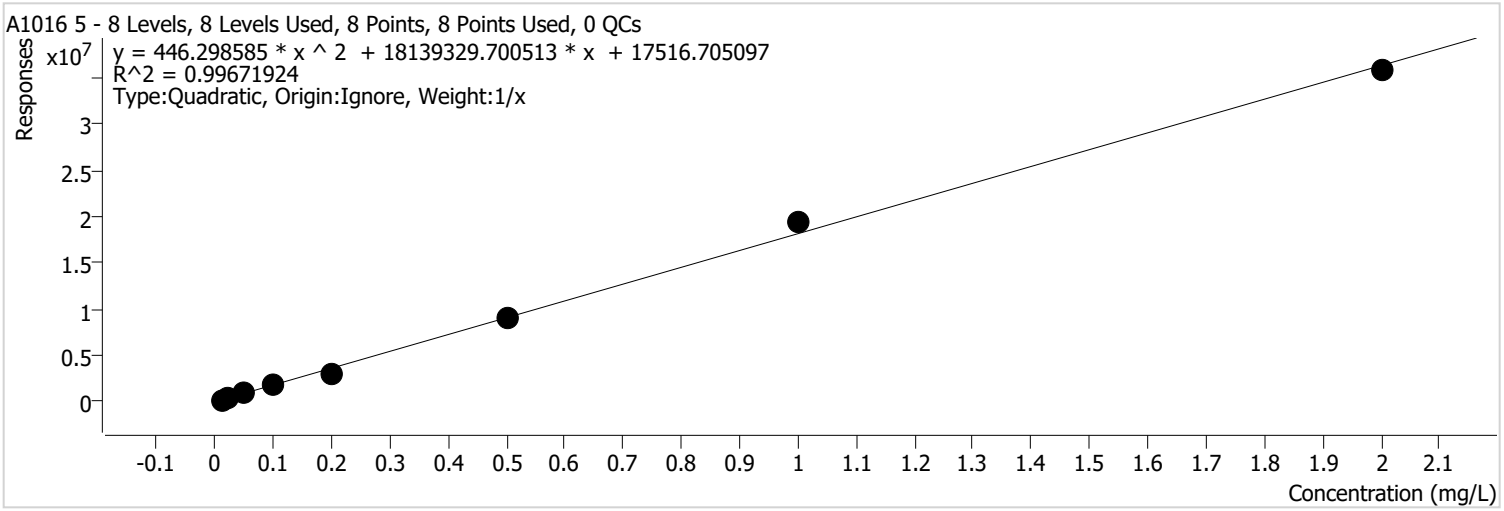
A1016 1 2 %RSE = 12.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	118129	0.0100	11812870.0000	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	244314	0.0200	12215704.7390	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	698533	0.0500	13970657.9333	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1290690	0.1000	12906899.7625	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	2386611	0.2000	11933056.9827	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	6093266	0.5000	12186532.2497	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	13946998	1.0000	13946997.5693	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	25233171	2.0000	12616585.3501	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

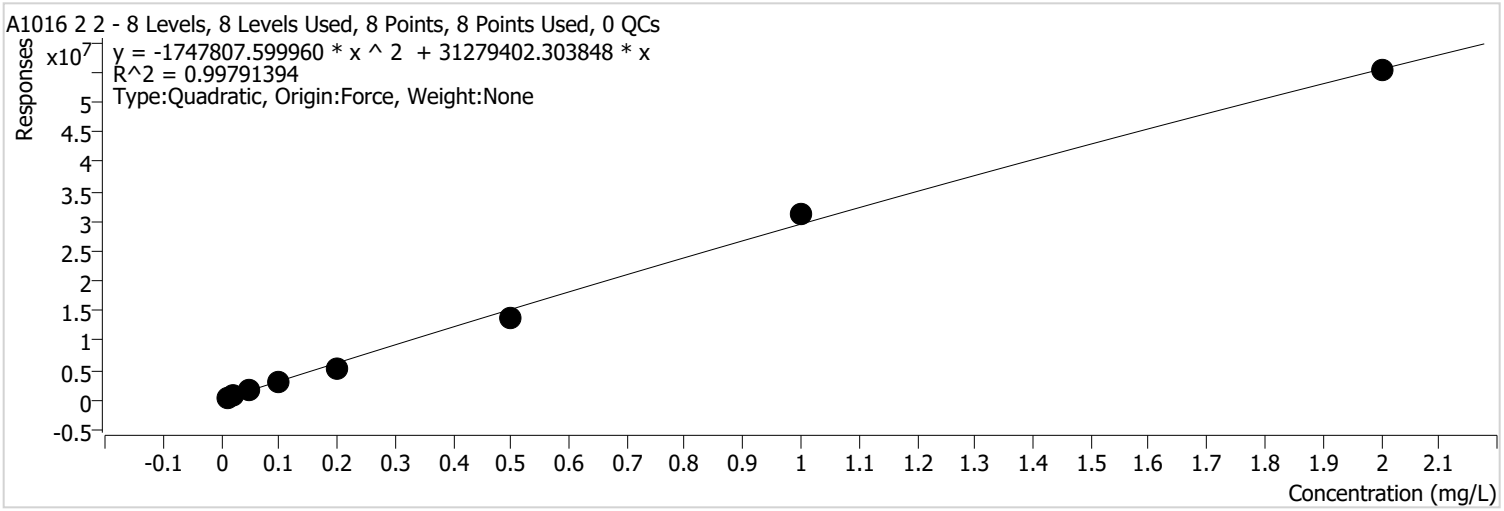
A1016 5 %RSE = 11.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	228423	0.0100	22842325.0434	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	385241	0.0200	19262071.5594	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	918195	0.0500	18363893.8530	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1732271	0.1000	17322706.8867	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	3056648	0.2000	15283237.9293	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	9003701	0.5000	18007401.7278	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	19474641	1.0000	19474641.2200	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	35723980	2.0000	17861989.9337	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

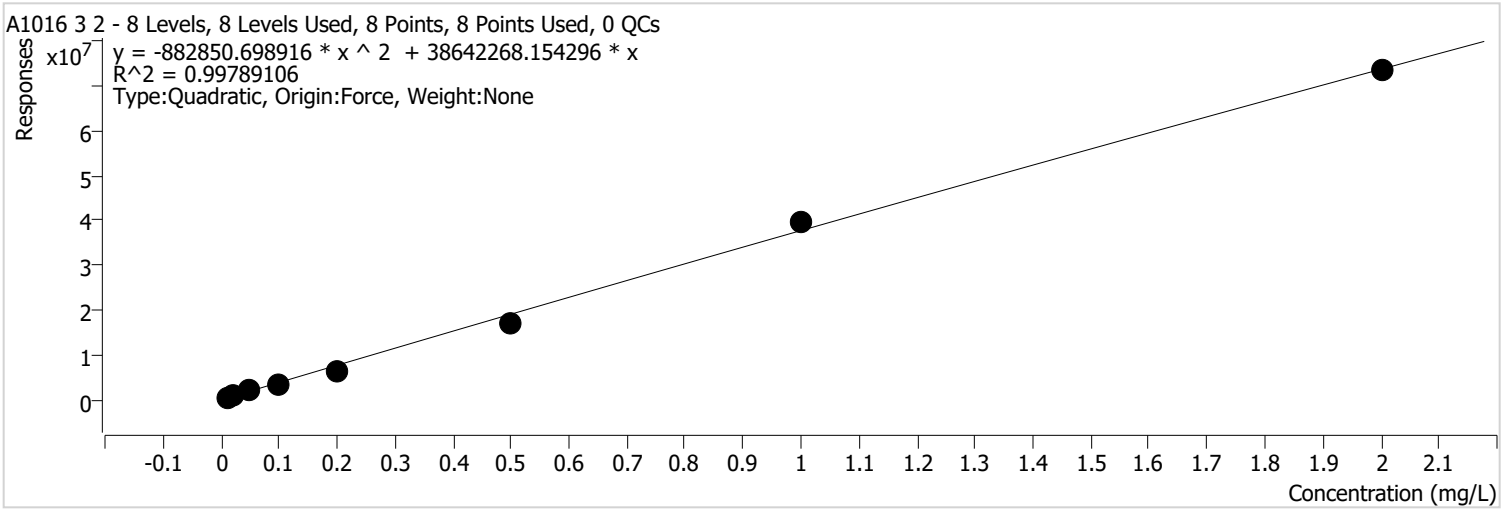
A1016 2 2 %RSE = 14.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	386077	0.0100	38607675.4343	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	627581	0.0200	31379063.7233	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1483941	0.0500	29678813.0000	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2919339	0.1000	29193390.2500	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	5269785	0.2000	26348922.8750	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	13662960	0.5000	27325920.0000	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	31058385	1.0000	31058384.5500	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	55291798	2.0000	27645899.2000	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

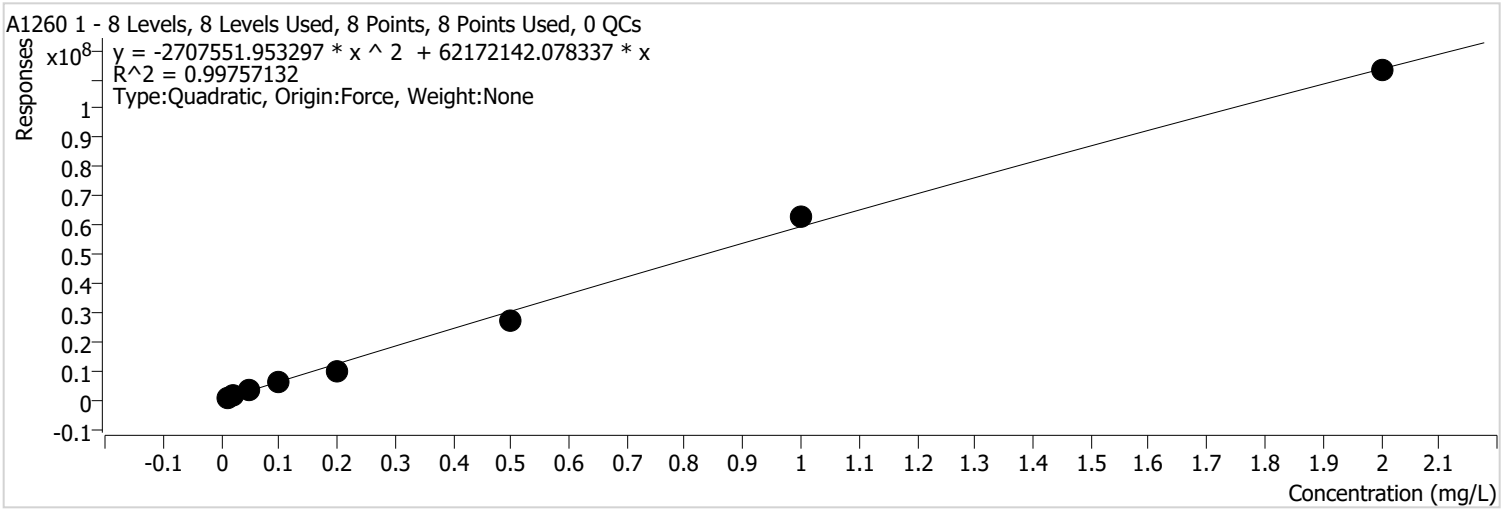
A1016 3 2 %RSE = 18.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	513215	0.0100	51321501.3373	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	851252	0.0200	42562596.9827	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1903978	0.0500	38079559.5011	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	3656426	0.1000	36564258.7508	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	6436607	0.2000	32183034.3425	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	17061022	0.5000	34122044.0001	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	39776008	1.0000	39776007.7546	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	73389516	2.0000	36694758.1582	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

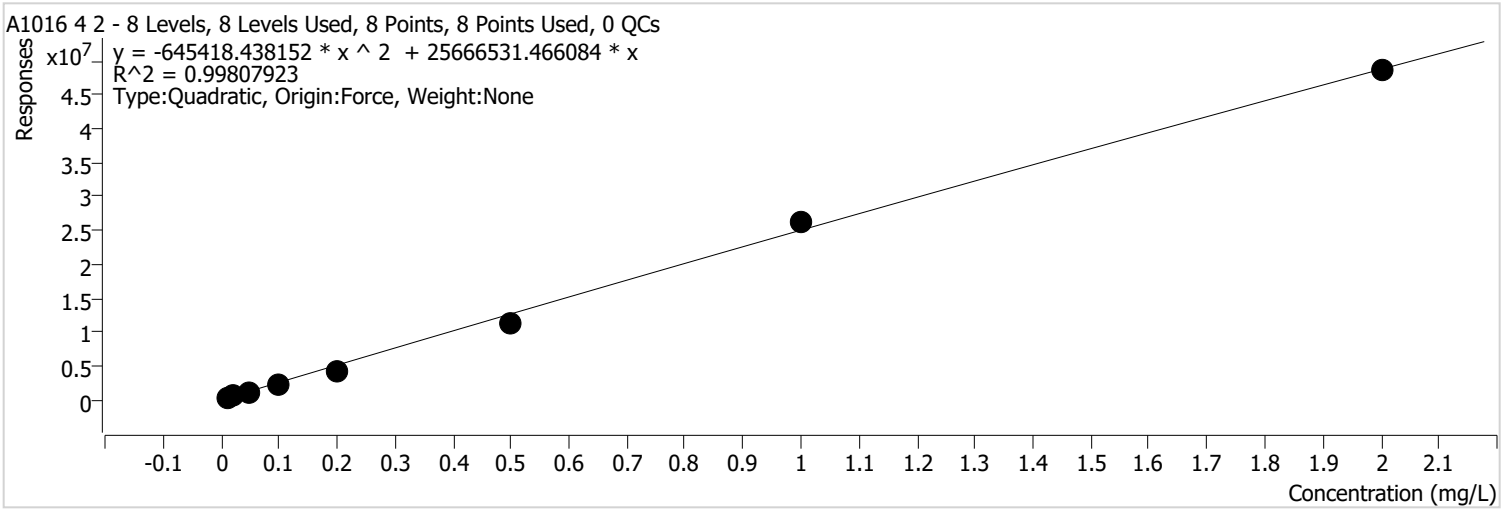
A1260 1 %RSE = 10.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	616855	0.0100	61685464.6166	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1228008	0.0200	61400419.3559	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2966130	0.0500	59322605.6706	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5874542	0.1000	58745416.6504	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	9863955	0.2000	49319772.7881	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	27258601	0.5000	54517202.8499	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	62787763	1.0000	62787762.9214	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	112905692	2.0000	56452845.7869	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

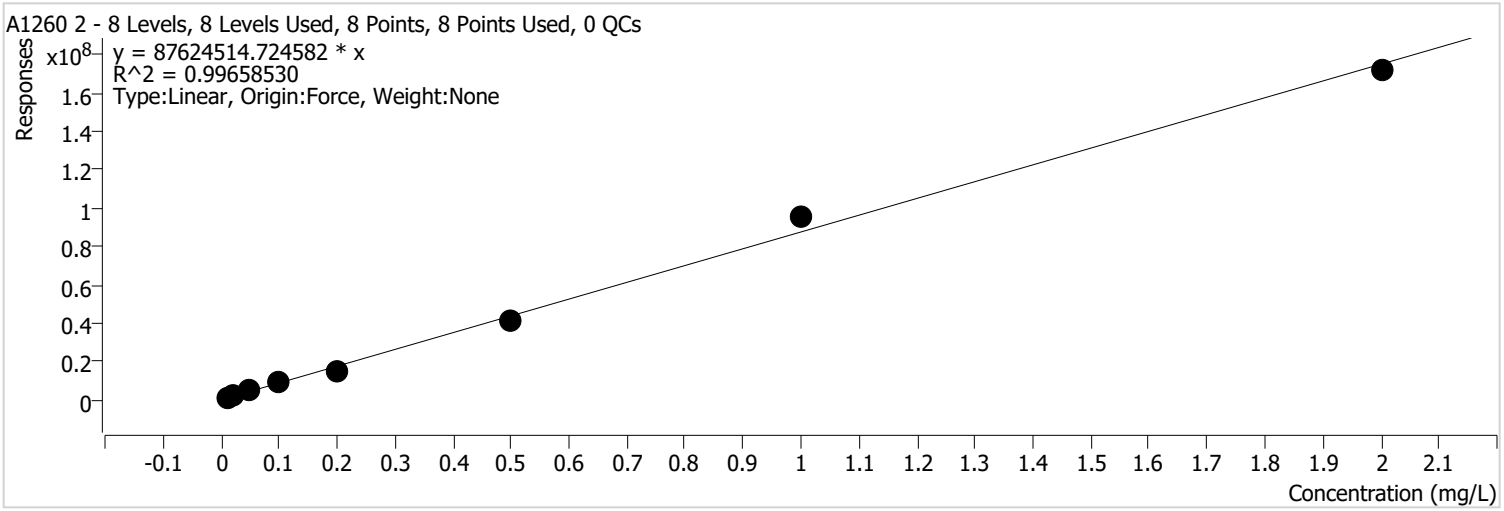
A1016 4 2 %RSE = 12.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	227079	0.0100	22707914.1335	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	461159	0.0200	23057966.0740	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1204375	0.0500	24087492.4589	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2346306	0.1000	23463058.8477	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	4314034	0.2000	21570168.5271	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	11406542	0.5000	22813084.7129	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	26306607	1.0000	26306607.1293	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	48517625	2.0000	24258812.3796	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

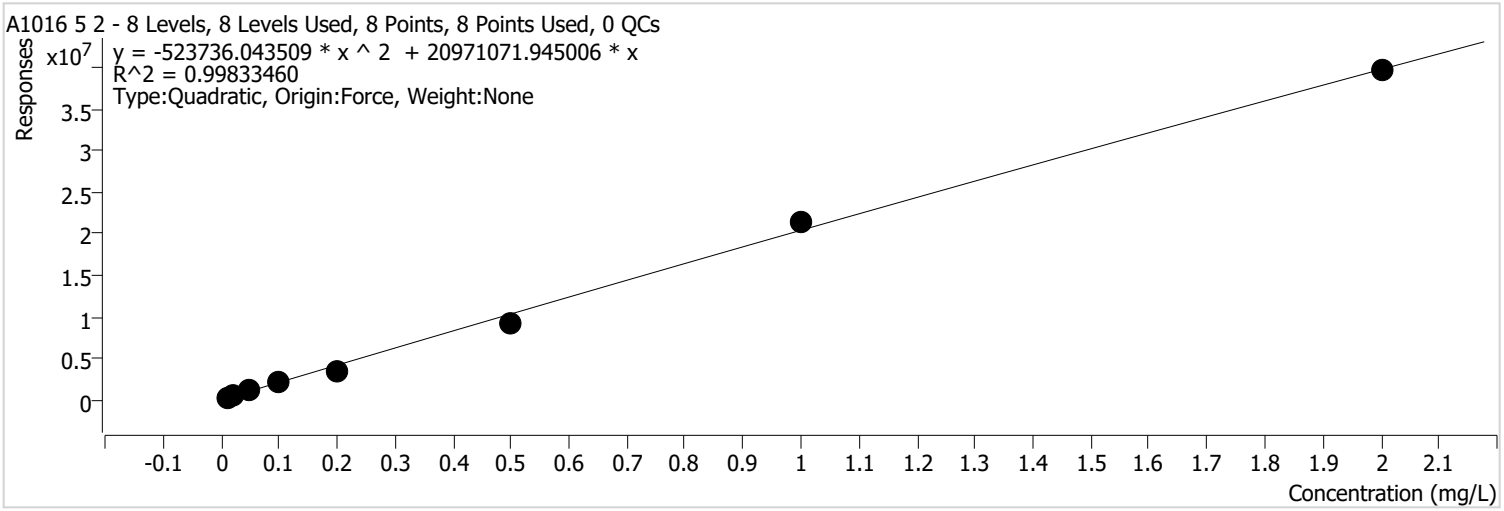
A1260 2 %RSE = 8.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	965094	0.0100	96509437.2949	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1927415	0.0200	96370772.9265	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	4578738	0.0500	91574756.2738	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	8884910	0.1000	88849103.4044	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	15527304	0.2000	77636521.9623	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	41930524	0.5000	83861047.8932	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	95966340	1.0000	95966339.7632	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	171735056	2.0000	85867527.9480	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

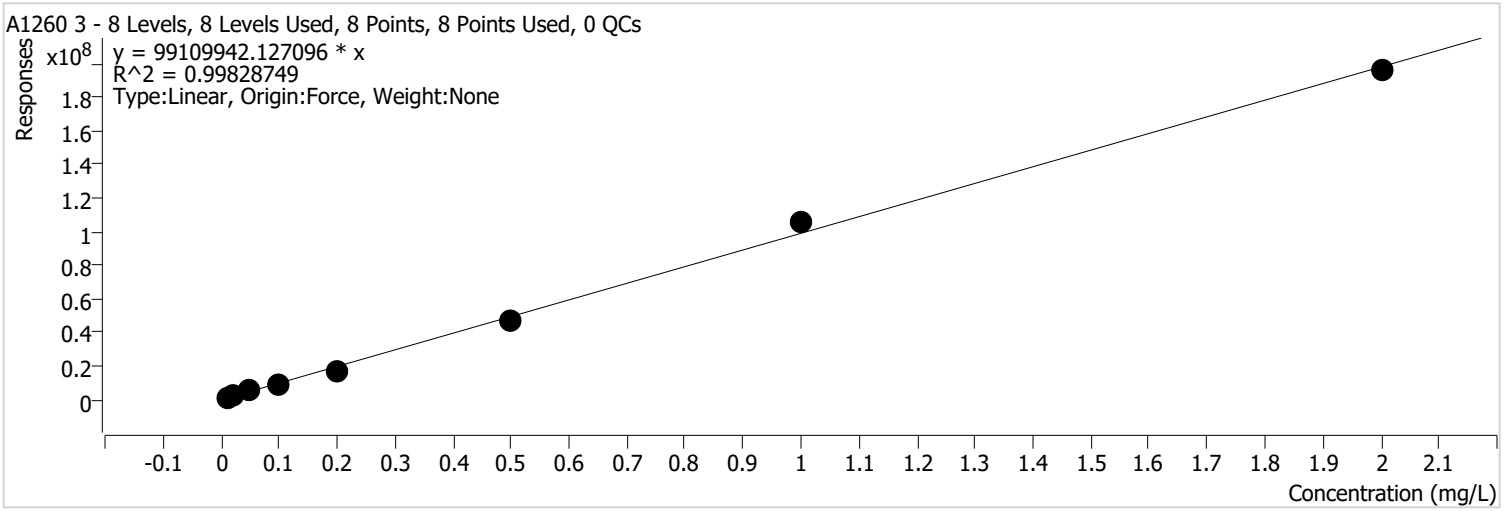
A1016 5 2 %RSE = 8.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	213435	0.0100	21343518.4290	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	418158	0.0200	20907922.1111	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1079679	0.0500	21593582.7422	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	2073012	0.1000	20730121.4273	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	3579738	0.2000	17898689.6690	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	9357938	0.5000	18715876.9715	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	21408890	1.0000	21408890.3534	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	39675065	2.0000	19837532.3619	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

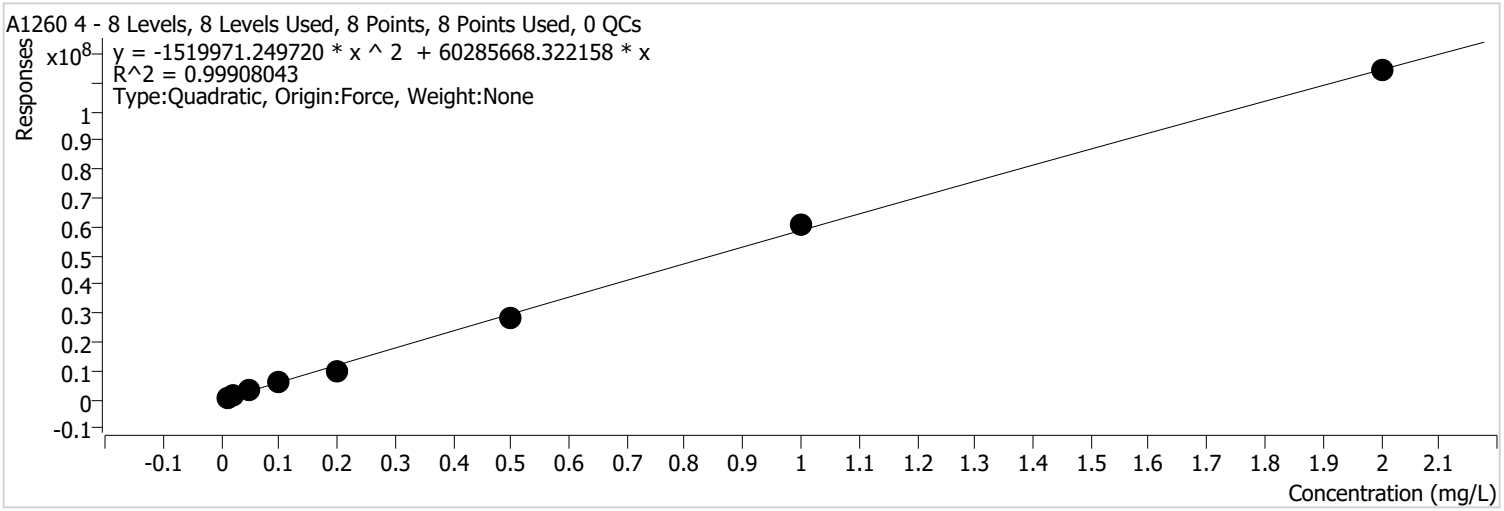
A1260 3 %RSE = 6.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1006370	0.0100	10063696 4.8941	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	2025009	0.0200	10125044 5.0070	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	5089679	0.0500	10179358 5.3517	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	9682808	0.1000	96828080 .5000	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	17319134	0.2000	86595671 .7116	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	47340623	0.5000	94681245 .5228	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	105501165	1.0000	10550116 5.3579	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	195835695	2.0000	97917847 .7125	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

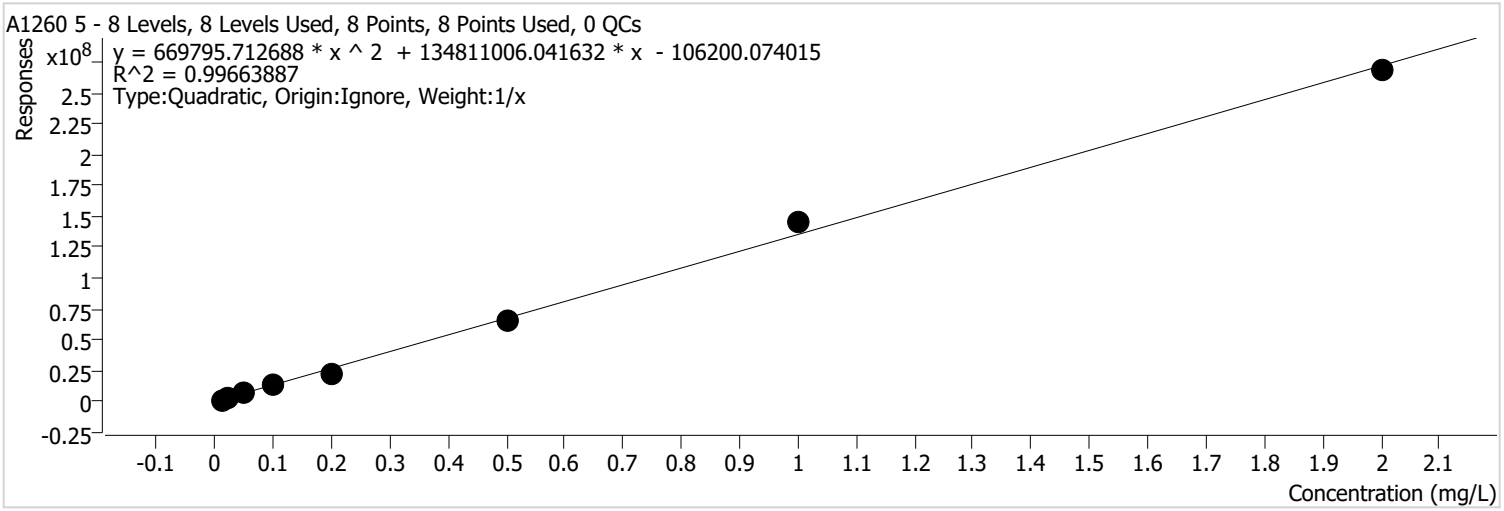
A1260 4 %RSE = 8.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	558458	0.0100	55845836.2392	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1195363	0.0200	59768143.7500	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2982536	0.0500	59650712.0000	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5929847	0.1000	59298469.0000	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	10045708	0.2000	50228539.9302	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	28118115	0.5000	56236229.7100	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	60721328	1.0000	60721327.6667	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	114125074	2.0000	57062537.0097	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

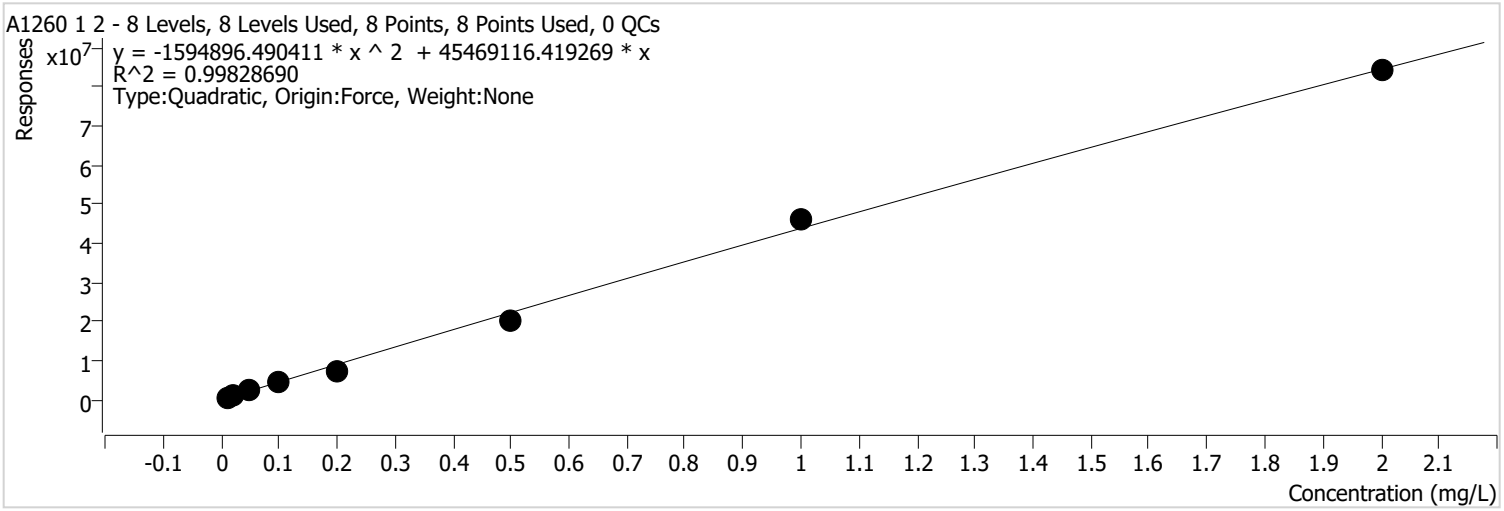
A1260 5 %RSE = 9.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1257434	0.0100	12574340 8.8116	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	2859327	0.0200	14296634 8.5981	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	6668126	0.0500	13336252 4.9736	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	13609710	0.1000	13609709 6.0557	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	22640017	0.2000	11320008 5.6770	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	65007120	0.5000	13001423 9.7761	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	145641580	1.0000	14564158 0.1325	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	268085715	2.0000	13404285 7.7217	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

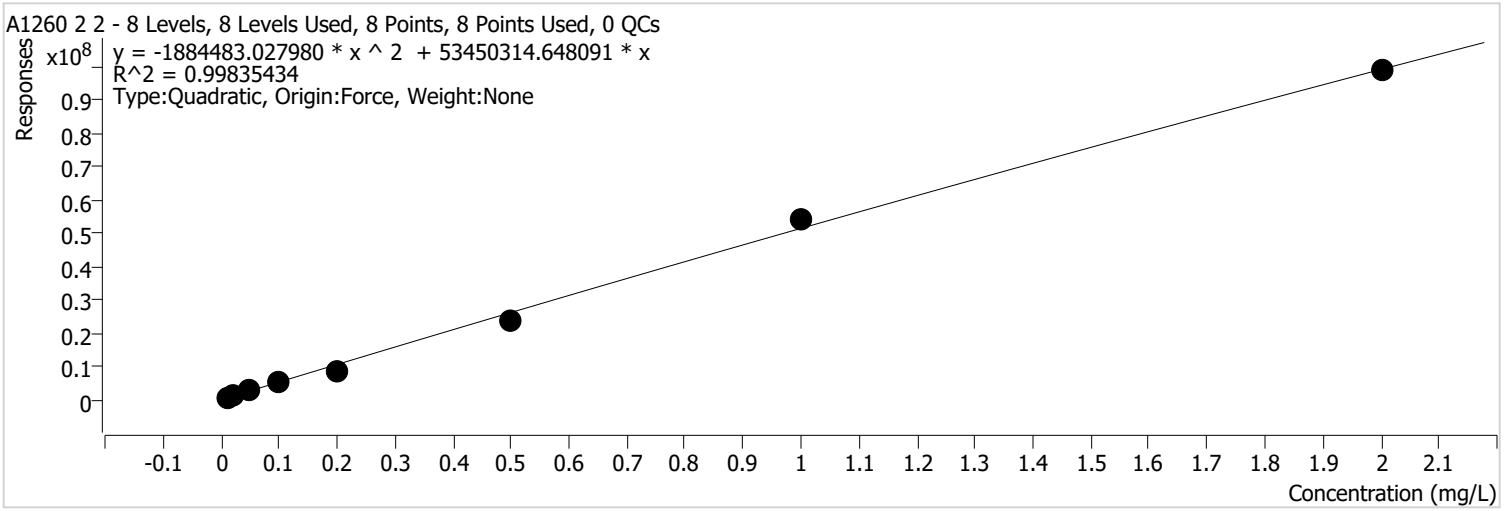
A1260 1 2 %RSE = 9.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	454898	0.0100	45489785.8995	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	962199	0.0200	48109947.6069	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2229708	0.0500	44594160.3693	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	4429510	0.1000	44295098.2366	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	7527890	0.2000	37639448.8096	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	20330660	0.5000	40661319.0826	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	45939899	1.0000	45939899.0049	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	84182845	2.0000	42091422.5107	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

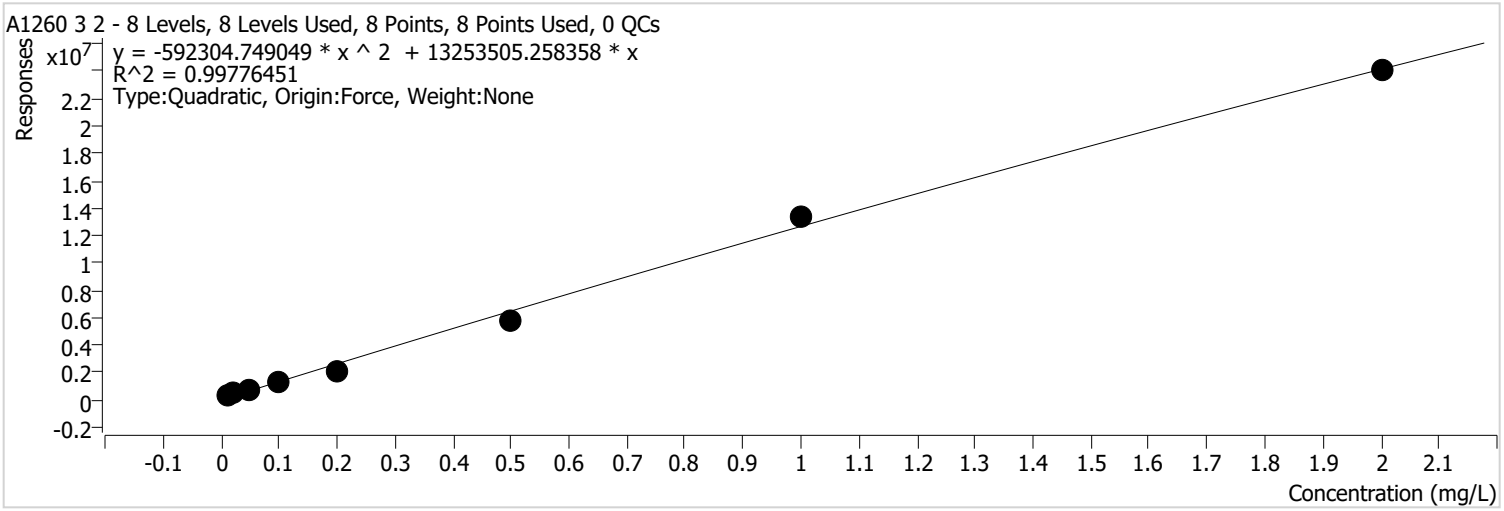
A1260 2 2 %RSE = 10.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	574088	0.0100	57408781.4850	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	1191845	0.0200	59592268.6636	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2696925	0.0500	53938500.8158	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	5272622	0.1000	52726215.2110	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	8812576	0.2000	44062878.0157	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	23979917	0.5000	47959834.1116	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	53921832	1.0000	53921832.4939	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	98933953	2.0000	49466976.4371	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

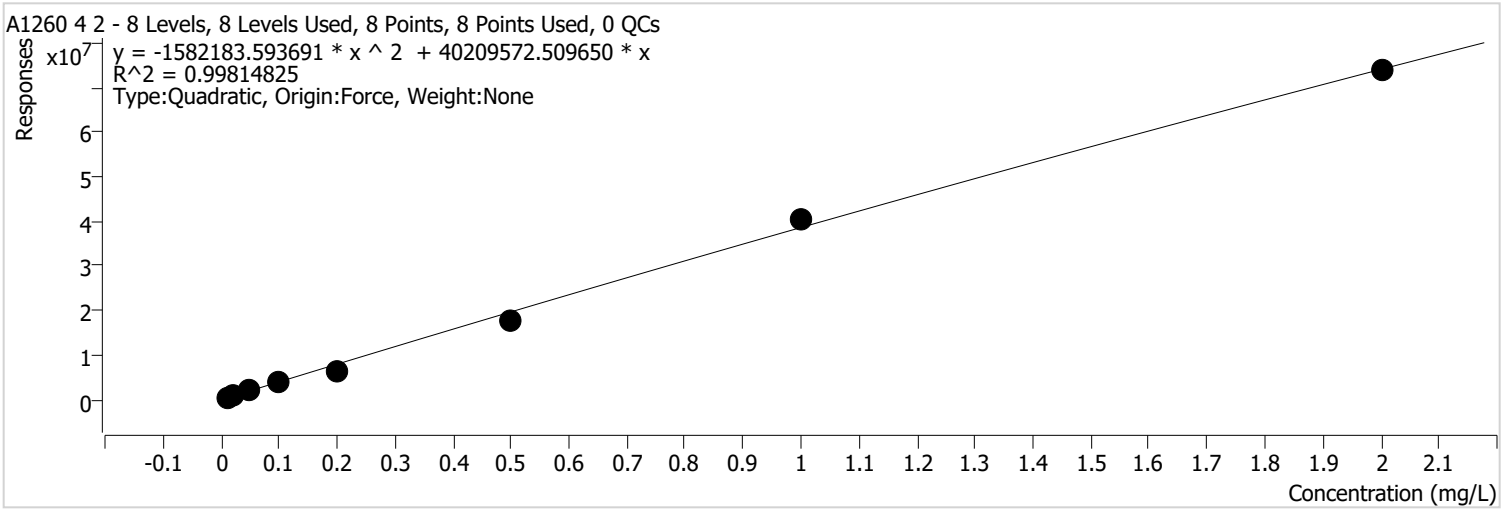
A1260 3 2 %RSE = 63.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	279268	0.0100	27926845.2679	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	488073	0.0200	24403625.6571	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	627223	0.0500	12544455.7110	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	1263999	0.1000	12639986.8594	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	2162254	0.2000	10811270.6137	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	5839826	0.5000	11679651.4646	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	13309733	1.0000	13309732.5095	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	24020368	2.0000	12010184.0239	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

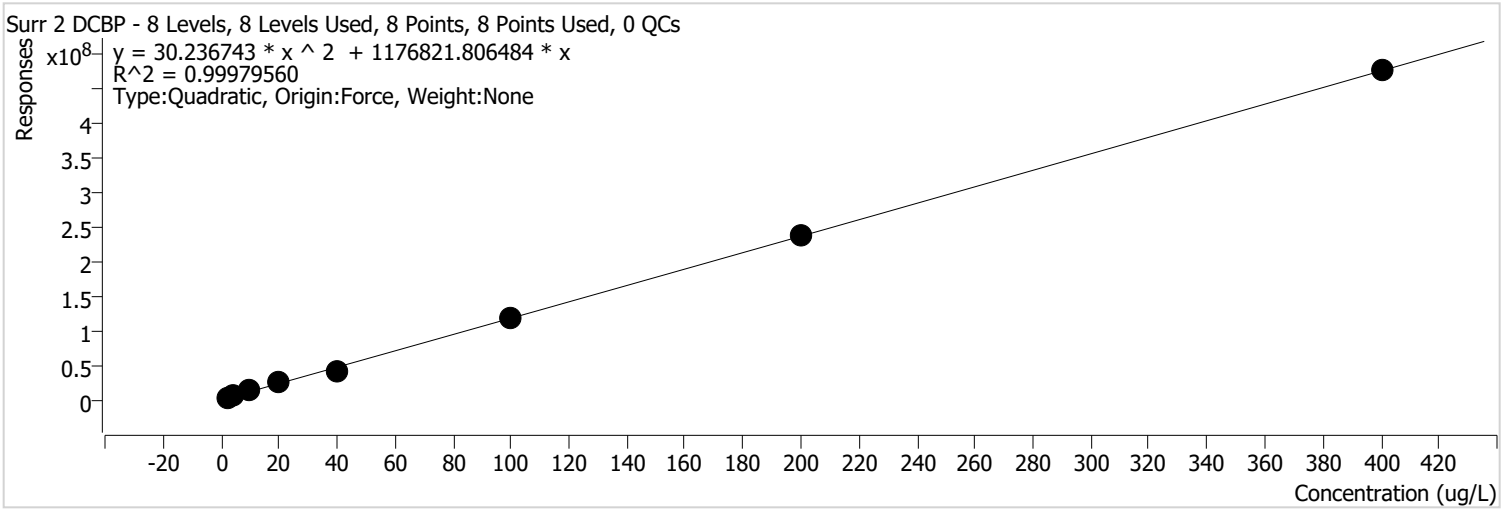
A1260 4 2 %RSE = 10.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	399874	0.0100	39987371.3445	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	817063	0.0200	40853155.1739	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	1956455	0.0500	39129099.9081	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	3900081	0.1000	39000814.0881	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	6435840	0.2000	32179198.0000	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	17999271	0.5000	35998541.8783	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	40489618	1.0000	40489617.6979	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	73747447	2.0000	36873723.5210	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

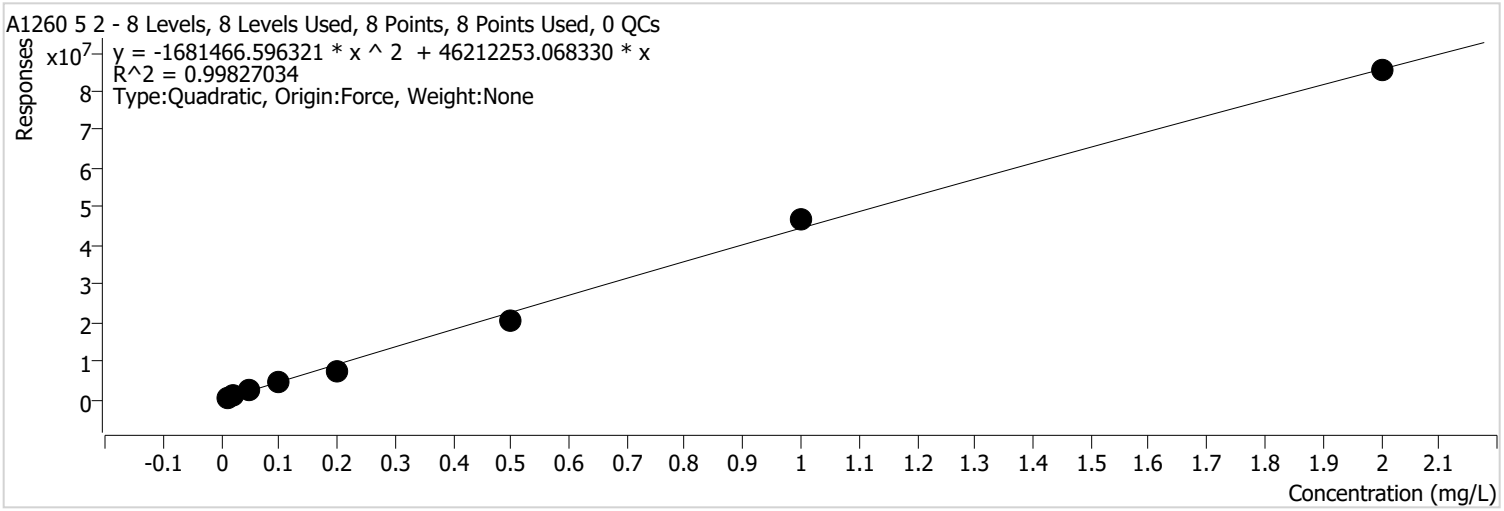
Surr 2 DCBP %RSE = 17.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	2835631	2.0000	1417815.4750	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	5817839	4.0000	1454459.7125	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	13631698	10.0000	1363169.7908	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	26596560	20.0000	1329827.9919	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	42559761	40.0000	1063994.0220	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	119959526	100.0000	1199595.2593	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	235920666	200.0000	1179603.3313	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	475643166	400.0000	1189107.9138	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

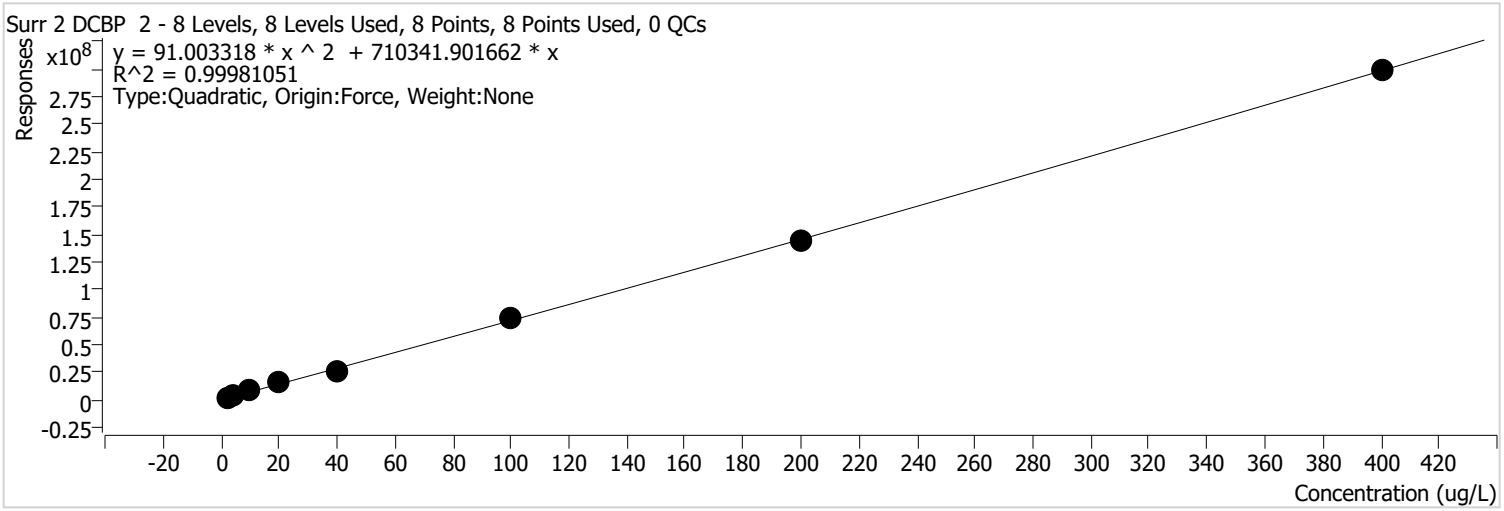
A1260 5 2 %RSE = 9.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	451222	0.0100	45122185.3248	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	939333	0.0200	46966672.7422	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	2281184	0.0500	45623673.9193	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	4526047	0.1000	45260473.1199	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	7518618	0.2000	37593090.3608	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	20721889	0.5000	41443778.3307	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	46616994	1.0000	46616994.0487	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	85316606	2.0000	42658302.9412	

Batch Path	D:\GC-16\Data\2021\093021\QuantResults\1660.batch.bin		
Analysis Time	9/30/2021 10:34 AM	**Analyst Name**	FA\gc1625
Report Time	9/30/2021 10:46:31 AM	**Reporter Name**	FA\gc1625
Last Calib Update	9/30/2021 10:34 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Surr 2 DCBP 2 %RSE = 15.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-16\Data\2021\093021\093002.D	Calibration	1	x	1684288	2.0000	842143.9444	
D:\GC-16\Data\2021\093021\093003.D	Calibration	2	x	3386402	4.0000	846600.5281	
D:\GC-16\Data\2021\093021\093004.D	Calibration	3	x	8128369	10.0000	812836.8712	
D:\GC-16\Data\2021\093021\093005.D	Calibration	4	x	15858823	20.0000	792941.1733	
D:\GC-16\Data\2021\093021\093006.D	Calibration	5	x	25637587	40.0000	640939.6710	
D:\GC-16\Data\2021\093021\093007.D	Calibration	6	x	73246076	100.0000	732460.7624	
D:\GC-16\Data\2021\093021\093008.D	Calibration	7	x	145351163	200.0000	726755.8147	
D:\GC-16\Data\2021\093021\093009.D	Calibration	8	x	298729745	400.0000	746824.3635	

29 8/31/9/30/21

PCB Calibration

Date: 09/30/29

Analyst: Sam Beerman

Hexane: 5931

Cal		ICV	
Aroclor 1660:	25029	Aroclor 1660:	24706
Aroclor 1254:	23466	Aroclor 1254:	24708

Surrogate: 25760

Spike Conc. (ppb)	Surr Conc. (ppb)	2° Spike (uL)	1° Spike (uL)	Surr (uL)	Remove (uL)	Final Vol. (mL)	Comments
10	2	5	--	--	5	1	
20	4	10	--	--	10	1	
50	10	25	--	--	25	1	
100	20	50	--	--	50	1	
200	40	100	--	--	100	1	
500	100	250	--	--	250	1	
1000	200	--	1	10	2 11	1	SM 9/30/21
2000	400	--	2	20	4 22	1	SM 9/30/21
ICB	200	--	--	10	10	1	
ICV (1000 ppb)	200	--	1	10	2 11	1	SM 9/30/21

	1660 (uL)	1254 (uL)	Surr (uL)	Final Volume (mL)
2° Intermediate (1660)	2	--	2	1
2° Intermediate (1254)	--	2	2	1

Signature and Date: 9/30/21

Signature: EM

DATA SET for Review -- Deliverable Requirements

Total Metals by EPA Method 6020B

Fremont Analytical Work Order No. 2110360

Shannon & Wilson

Project Name: 8801- Excavations

This Data contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information

Dataset Report

User Name: ICPMS
Computer Name: FA-DT28
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\102621eh\
Report Date/Time: Thursday, October 28, 2021 07:55:57

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	WASH	08:45:43 Tue 26-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	WASH	08:51:17 Tue 26-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	WASH	08:56:52 Tue 26-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	BLANK	09:03:47 Tue 26-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	CAL BLK IS 23514	09:16:56 Tue 26-O	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	Standard 7	09:22:30 Tue 26-O	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	Standard 8	09:28:04 Tue 26-O	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	WASH	09:33:39 Tue 26-O	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	ICB	09:39:13 Tue 26-O	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	ICV	09:44:48 Tue 26-O	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	WASH	09:50:22 Tue 26-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	ICV	10:04:43 Tue 26-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	CAL BLK IS 23514	10:11:06 Tue 26-O	Blank	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	Standard 1	10:16:40 Tue 26-O	Standard #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	Standard 2	10:22:14 Tue 26-O	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	Standard 3	10:27:48 Tue 26-O	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	Standard 4	10:33:22 Tue 26-O	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	Standard 5	10:38:56 Tue 26-O	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	Standard 6	10:44:30 Tue 26-O	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	Standard 7	10:50:04 Tue 26-O	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	Standard 8	10:55:38 Tue 26-O	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	WASH	11:01:13 Tue 26-O	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	ICB	11:06:47 Tue 26-O	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	ICV	11:12:21 Tue 26-O	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	ICV	11:22:09 Tue 26-O	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	MB-34132	11:28:08 Tue 26-O	Sample	C:\Users\Public\DocumMBLK,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10262
	LCS-34132	11:33:43 Tue 26-O	Sample	C:\Users\Public\DocumLCS,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10262
	2110283-002A 5X	11:39:17 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10262
	2110283-002ADUP 5X	11:44:51 Tue 26-O	Sample	C:\Users\Public\DocumDUP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10262
	2110283-002AMS 5X	11:50:25 Tue 26-O	Sample	C:\Users\Public\DocumMS,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10262
	2110283-002AMSD 5X	11:56:00 Tue 26-O	Sample	C:\Users\Public\DocumMSD,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10262
	2110104-007A 20X	12:01:34 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10262
	2110306-001 5X	12:07:08 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10262
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	CCV	12:18:17 Tue 26-O	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	CCB	12:23:51 Tue 26-O	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	CCV	12:33:05 Tue 26-O	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	CCB	12:38:43 Tue 26-O	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
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	2110056-006A 50X	12:53:40 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10262
	MB-34113	12:59:14 Tue 26-O	Sample	C:\Users\Public\DocumMBLK,M-DOD-200.8-T	istix\ICPMS\DataSet\Oct2021\10262
	LCS-34113	13:04:49 Tue 26-O	Sample	C:\Users\Public\DocumLCS,M-DOD-200.8-T	gistix\ICPMS\DataSet\Oct2021\10262
	2110104-003A 10X	13:10:24 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-DOD-200.8-T	stix\ICPMS\DataSet\Oct2021\10262
	2110104-001A	13:15:59 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-DOD-200.8-T	stix\ICPMS\DataSet\Oct2021\10262
	CCV	13:21:34 Tue 26-O	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	CCB	13:27:08 Tue 26-O	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262	
	MB-34169	13:35:02 Tue 26-O	Sample	C:\Users\Public\DocumMBLK,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
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	2110357-003A	13:46:10 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
	2110357-003ADIL	13:51:44 Tue 26-O	Sample	C:\Users\Public\DocumSD,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262

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2110357-002A	14:19:34 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110357-004A	14:25:08 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
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CCB	14:36:17 Tue 26-O	QC Std #5	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
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CCB	14:53:01 Tue 26-O	QC Std #5	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
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2110357-002A 5X	15:22:51 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110357-004A 5X	15:28:24 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110311-004A	15:33:59 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110318-001A	15:39:33 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110322-001A	15:45:07 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110340-003A	15:50:41 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
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CCB	16:01:50 Tue 26-O	QC Std #5	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
2110340-009A	16:07:25 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110360-001A	16:12:59 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
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2110013-007A	16:29:41 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110013-008A	16:35:15 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110013-008A	16:40:49 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110013-008A	16:46:23 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
WASH	16:51:58 Tue 26-O	Sample	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
MB-34170	16:57:32 Tue 26-O	Sample	C:\Users\Public\DocumMBLK,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10262
CCV	17:03:07 Tue 26-O	QC Std #4	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
CCB	17:08:42 Tue 26-O	QC Std #5	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
LCS-34170	17:14:17 Tue 26-O	Sample	C:\Users\Public\DocumLCS,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10262
2110343-001A 5X	17:19:50 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10262
2110343-001ADUP 5X	17:25:24 Tue 26-O	Sample	C:\Users\Public\DocumDUP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10262
2110343-001AMS 5X	17:30:58 Tue 26-O	Sample	C:\Users\Public\DocumMS,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10262
2110343-001AMSD 5X	17:36:32 Tue 26-O	Sample	C:\Users\Public\DocumMSD,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10262
2110333-001D	17:42:06 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10262
2110342-001B	17:47:40 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10262
2110346-001A	17:53:14 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10262
2110348-001A 10X	17:58:49 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10262
2110355-001E 5X	18:04:22 Tue 26-O	Sample	C:\Users\Public\DocumSAMP,M-200.8-T	gistix\ICPMS\DataSet\Oct2021\10262
CCV	18:09:57 Tue 26-O	QC Std #4	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
CCB	18:15:32 Tue 26-O	QC Std #5	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
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ICSA	18:26:41 Tue 26-O	Sample	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
WASH	18:32:15 Tue 26-O	Sample	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
DI	18:37:50 Tue 26-O	Sample	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
CCV	18:43:24 Tue 26-O	QC Std #4	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
CCB	18:48:58 Tue 26-O	QC Std #5	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
WASH	08:15:39 Wed 27-(	Sample	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
DI	08:18:59 Wed 27-(	Sample	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
DI	08:21:18 Wed 27-(	Sample	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
DI	08:23:38 Wed 27-(	Sample	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
DI	08:25:58 Wed 27-(	Sample	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
CAL BLK IS 23514	08:29:33 Wed 27-(	Blank	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
Standard 1	08:34:08 Wed 27-(	Standard #1	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262

Standard 2	08:39:42 Wed 27-(	Standard #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
Standard 3	08:45:16 Wed 27-(	Standard #3	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
Standard 4	08:50:50 Wed 27-(	Standard #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
Standard 5	08:56:24 Wed 27-(	Standard #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
Standard 6	09:01:58 Wed 27-(	Standard #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
Standard 7	09:07:32 Wed 27-(	Standard #7	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
Standard 8	09:13:06 Wed 27-(	Standard #8	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
WASH	09:18:41 Wed 27-(	QC Std #1	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
ICB	09:24:16 Wed 27-(	QC Std #2	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
ICV	09:29:50 Wed 27-(	QC Std #6	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
WASH	09:35:24 Wed 27-(	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
ICSA	09:51:10 Wed 27-(	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
WASH	09:56:45 Wed 27-(	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
WASH	10:02:19 Wed 27-(	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
2110355-001E	10:10:01 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-200.8-T gistix\ICPMS\DataSet\Oct2021\10262
2110360-002A 100X	10:15:36 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10262
LCS-34132	10:21:10 Wed 27-(	Sample	C:\Users\Public\DocumLCS,M-DOD-200.8-T gistix\ICPMS\DataSet\Oct2021\10262
2110283-002ADUP 20	10:26:45 Wed 27-(	Sample	C:\Users\Public\DocumDUP,M-DOD-200.8-T gistix\ICPMS\DataSet\Oct2021\10262
2110104-007A 20X	10:32:19 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-DOD-200.8-T stix\ICPMS\DataSet\Oct2021\10262
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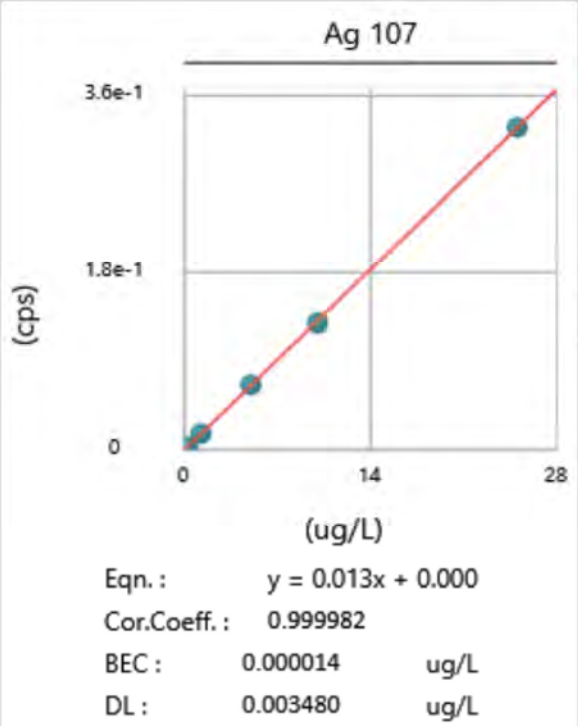
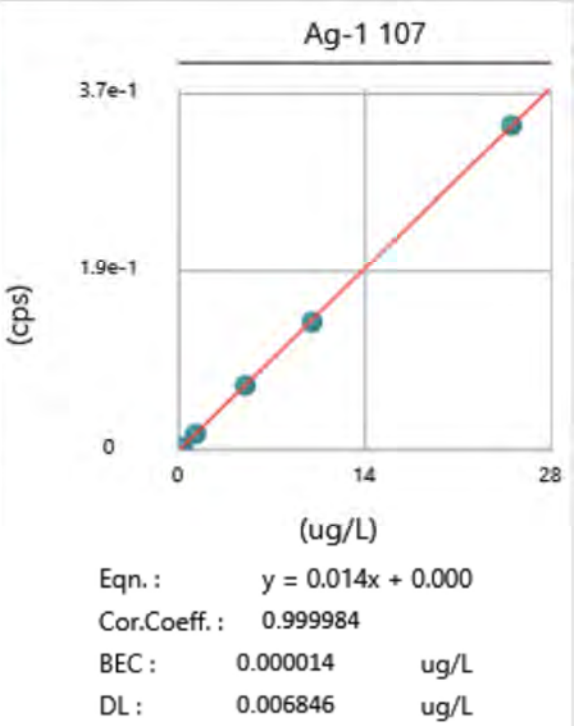
MB-34082	10:43:29 Wed 27-(	Sample	C:\Users\Public\DocumMBLK,M-DOD-200.8-T istix\ICPMS\DataSet\Oct2021\10262
LCS-34082	10:49:03 Wed 27-(	Sample	C:\Users\Public\DocumLCS,M-DOD-200.8-T gistix\ICPMS\DataSet\Oct2021\10262
2110235-001ADUP	10:54:38 Wed 27-(	Sample	C:\Users\Public\DocumDUP,M-DOD-200.8-T gistix\ICPMS\DataSet\Oct2021\10262
MB-34170	11:03:08 Wed 27-(	Sample	C:\Users\Public\DocumMBLK,M-DOD-200.8-T istix\ICPMS\DataSet\Oct2021\10262
CCV	11:08:43 Wed 27-(	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
CCB	11:14:17 Wed 27-(	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
CCV	11:23:09 Wed 27-(	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
CCB	11:28:43 Wed 27-(	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
2110013-007A	11:34:21 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10262
2110013-007A	11:39:56 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10262
2110013-008A	11:45:30 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10262
2110013-008A	11:51:05 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10262
2110013-008A	11:56:40 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S gistix\ICPMS\DataSet\Oct2021\10262
CCV	12:02:15 Wed 27-(	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
CCB	12:07:49 Wed 27-(	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
WASH	12:28:32 Wed 27-(	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
NEW 2%	12:34:07 Wed 27-(	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
MB-34187	12:54:49 Wed 27-(	Sample	C:\Users\Public\DocumMBLK,M-TCLP gistix\ICPMS\DataSet\Oct2021\10262
LCS-34187	13:00:23 Wed 27-(	Sample	C:\Users\Public\DocumLCS,M-TCLP gistix\ICPMS\DataSet\Oct2021\10262
2110339-001A	13:05:57 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-TCLP gistix\ICPMS\DataSet\Oct2021\10262
2110339-001ADUP	13:11:31 Wed 27-(	Sample	C:\Users\Public\DocumDUP,M-TCLP gistix\ICPMS\DataSet\Oct2021\10262
2110339-001AMS	13:17:05 Wed 27-(	Sample	C:\Users\Public\DocumMS,M-TCLP gistix\ICPMS\DataSet\Oct2021\10262
2110339-001AMSD	13:22:39 Wed 27-(	Sample	C:\Users\Public\DocumMSD,M-TCLP gistix\ICPMS\DataSet\Oct2021\10262
2110181-005A	13:28:13 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-TCLP gistix\ICPMS\DataSet\Oct2021\10262
CCV	13:33:48 Wed 27-(	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
CCB	13:39:22 Wed 27-(	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
CCV	13:42:46 Wed 27-(	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
CCB	13:48:21 Wed 27-(	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
CCV	13:59:19 Wed 27-(	QC Std #4	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
CCB	14:04:54 Wed 27-(	QC Std #5	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
LDR	14:10:29 Wed 27-(	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
wash	14:26:05 Wed 27-(	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
blank	14:31:39 Wed 27-(	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Oct2021\10262
MB-34189	14:40:03 Wed 27-(	Sample	C:\Users\Public\DocumMBLK,M-6020-TW gistix\ICPMS\DataSet\Oct2021\10262
LCS-34189	14:45:37 Wed 27-(	Sample	C:\Users\Public\DocumLCS,M-6020-TW gistix\ICPMS\DataSet\Oct2021\10262
LCSD-34189	14:51:11 Wed 27-(	Sample	C:\Users\Public\DocumLCSD,M-6020-TW gistix\ICPMS\DataSet\Oct2021\10262
2110104-001A 50X	14:56:45 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-TW gistix\ICPMS\DataSet\Oct2021\10262
2110104-001A 10X	15:02:19 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-TW gistix\ICPMS\DataSet\Oct2021\10262
2110104-001A	15:07:53 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-TW gistix\ICPMS\DataSet\Oct2021\10262
2110104-003A 10X	15:13:27 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-TW gistix\ICPMS\DataSet\Oct2021\10262

2110104-007A 20X	15:19:01 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\Oct2021\10262
2110104-011A	15:24:35 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\Oct2021\10262
2110010-034A	15:30:09 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\Oct2021\10262
CCV	15:35:44 Wed 27-(	QC Std #4	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
CCB	15:41:19 Wed 27-(	QC Std #5	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
2110010-034A	15:46:53 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\Oct2021\10262
2110012-022A	15:52:28 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\Oct2021\10262
2110012-022A	15:58:02 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\Oct2021\10262
2110012-021A	16:03:36 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\Oct2021\10262
2110012-021A	16:09:10 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\Oct2021\10262
2110012-021A	16:14:44 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-TW	gistix\ICPMS\DataSet\Oct2021\10262
WASH	16:20:19 Wed 27-(	Sample	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
MB-34188	16:25:53 Wed 27-(	Sample	C:\Users\Public\DocumMBLK,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
LCS-34188	16:31:27 Wed 27-(	Sample	C:\Users\Public\DocumLCS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110372-009A	16:37:01 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
CCV	16:42:36 Wed 27-(	QC Std #4	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
CCB	16:48:11 Wed 27-(	QC Std #5	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
2110372-009ADIL	16:53:45 Wed 27-(	Sample	C:\Users\Public\DocumSD,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110372-009AMS	16:59:19 Wed 27-(	Sample	C:\Users\Public\DocumMS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110372-009AMSD	17:04:53 Wed 27-(	Sample	C:\Users\Public\DocumMSD,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110372-009APDS	17:10:28 Wed 27-(	Sample	C:\Users\Public\DocumPDS,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110372-001A	17:16:01 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110372-008A	17:21:35 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110373-001A	17:27:10 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110373-002A	17:32:44 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110373-003A	17:38:18 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110373-004A	17:43:52 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
CCV	17:49:26 Wed 27-(	QC Std #4	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
CCB	17:55:01 Wed 27-(	QC Std #5	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
2110373-005A	18:00:36 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110376-009A	18:06:10 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110376-010A	18:11:44 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110376-011A	18:17:18 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110376-012A	18:22:52 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110376-013A	18:28:26 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110376-014A	18:34:00 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110376-015A	18:39:34 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110376-016A	18:45:08 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110376-017A	18:50:42 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
CCV	18:56:17 Wed 27-(	QC Std #4	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
CCB	19:01:51 Wed 27-(	QC Std #5	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
2110376-018A	19:07:26 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110376-019A	19:13:00 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
2110376-020A	19:18:34 Wed 27-(	Sample	C:\Users\Public\DocumSAMP,M-6020-S	gistix\ICPMS\DataSet\Oct2021\10262
CCV	19:24:09 Wed 27-(	QC Std #4	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
CCB	19:29:43 Wed 27-(	QC Std #5	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
2%	19:35:18 Wed 27-(	QC Std #7	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262
DI	19:40:51 Wed 27-(	QC Std #8	C:\Users\Public\Documents\PerkinElmer Sy	ngistix\ICPMS\DataSet\Oct2021\10262

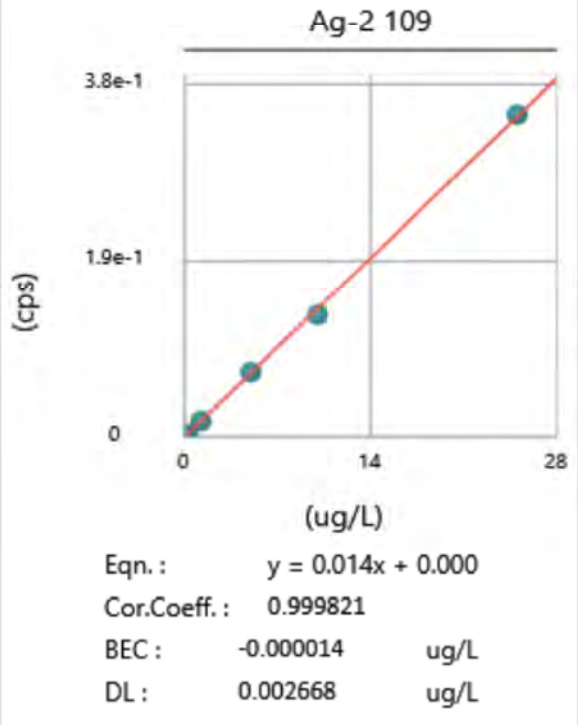
Calibration



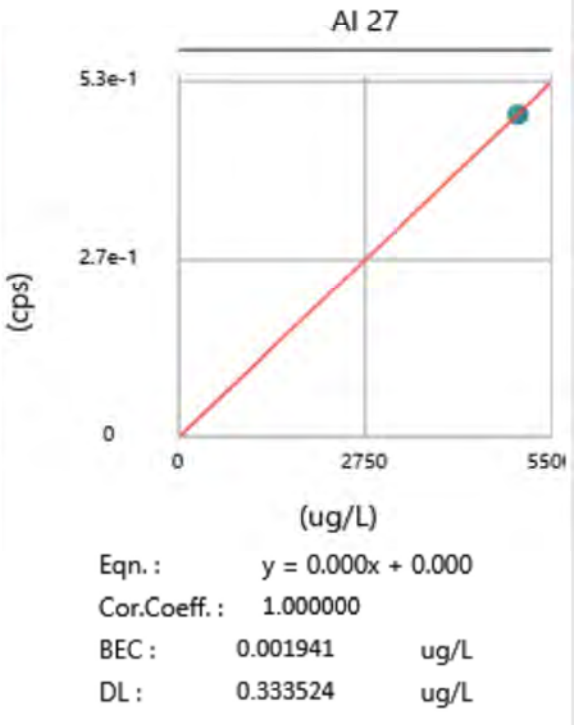
Eqn. : y = 0.013x + 0.000
Cor.Coeff. : 0.999982
BEC : 0.000014 ug/L
DL : 0.003480 ug/L



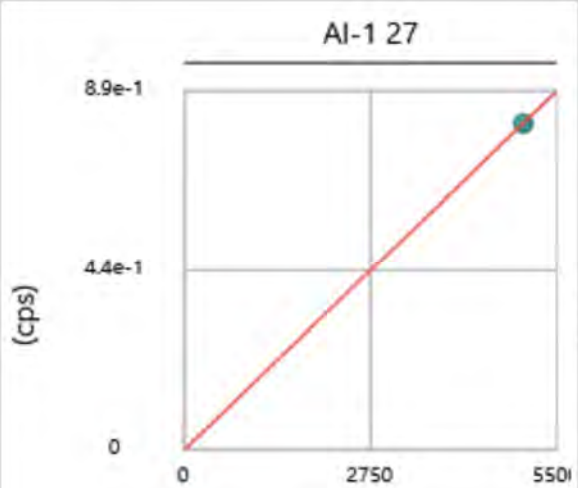
Eqn. : y = 0.014x + 0.000
Cor.Coeff. : 0.999984
BEC : 0.000014 ug/L
DL : 0.006846 ug/L



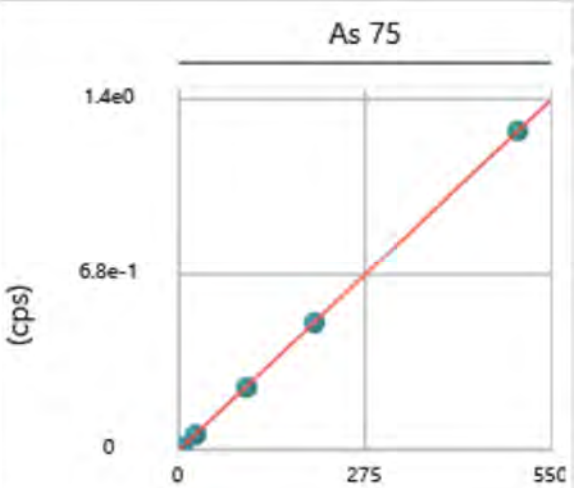
Eqn. : y = 0.014x + 0.000
Cor.Coeff. : 0.999821
BEC : -0.000014 ug/L
DL : 0.002668 ug/L



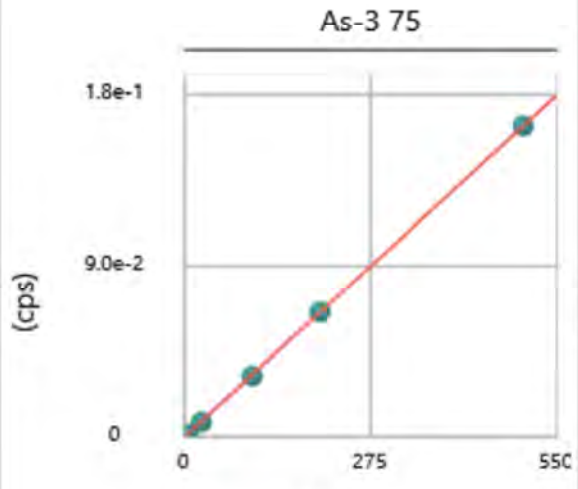
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.001941 ug/L
DL : 0.333524 ug/L



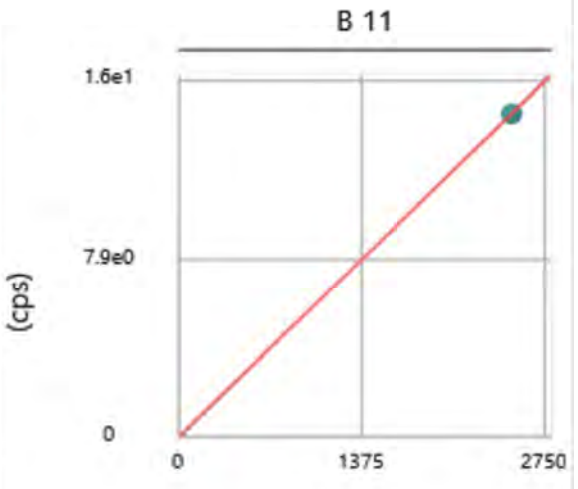
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.008672 mg/L
DL : 1.519191 mg/L



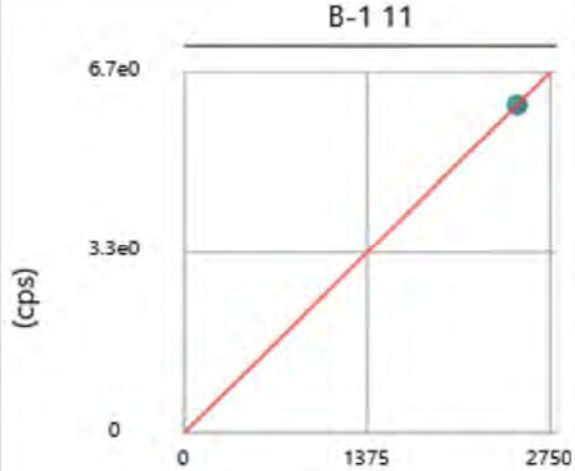
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999994
BEC : -0.002321 ug/L
DL : 0.758437 ug/L



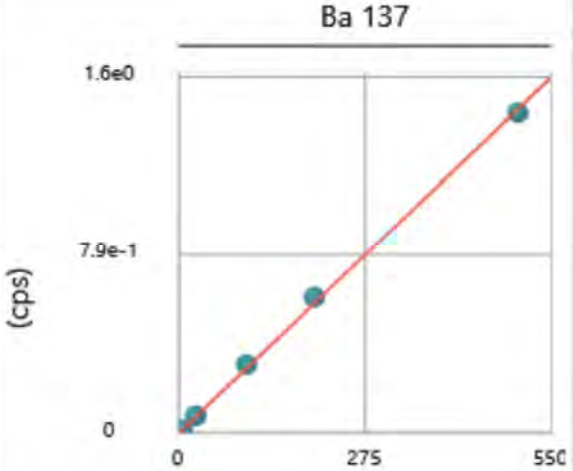
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999992
BEC : -0.000102 ug/L
DL : 0.014702 ug/L



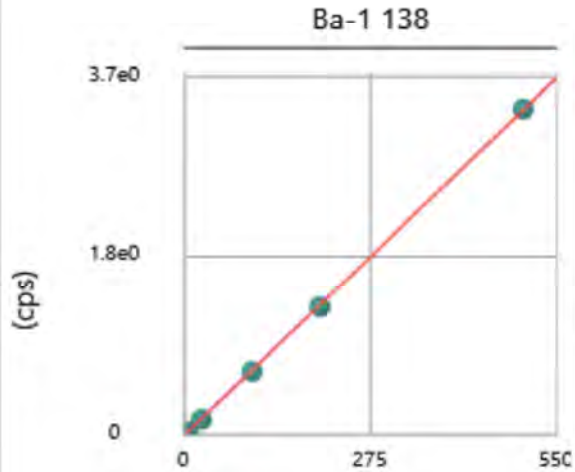
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.000793 ug/L
DL : 1.424444 ug/L



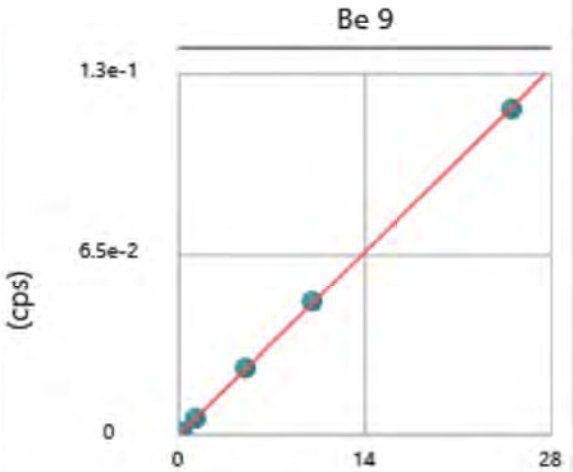
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.029100 ug/L
DL : 4.146659 ug/L



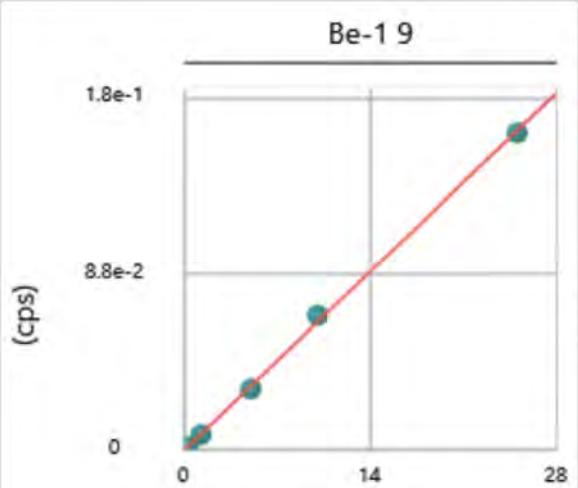
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999742
BEC : -0.000002 ug/L
DL : 0.008653 ug/L



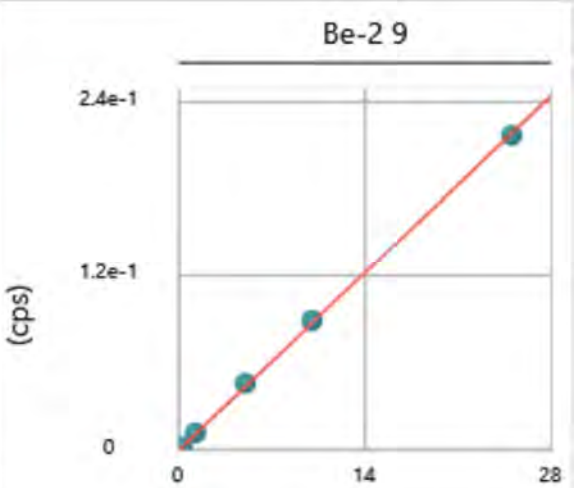
Eqn. : y = 0.007x + 0.000
Cor.Coeff. : 0.999975
BEC : 0.000167 mg/L
DL : 0.034008 mg/L



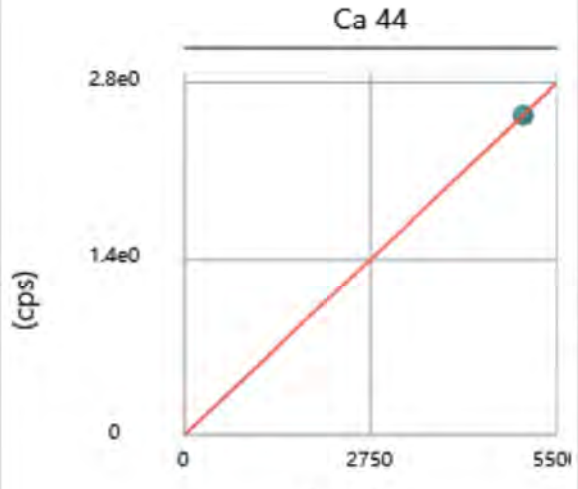
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999959
BEC : 0.000010 ug/L
DL : 0.001703 ug/L



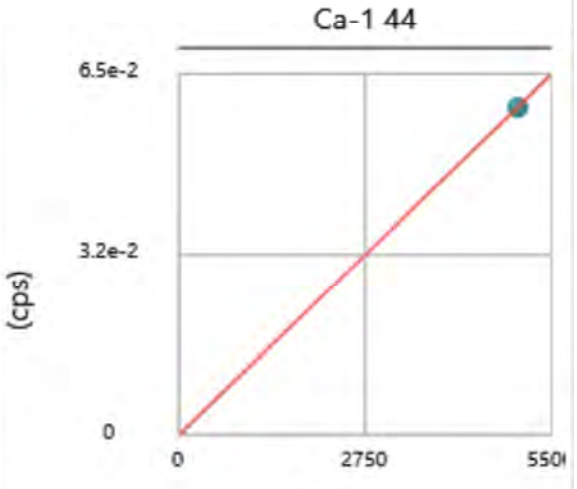
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999776
BEC : 0.000194 ug/L
DL : 0.029145 ug/L



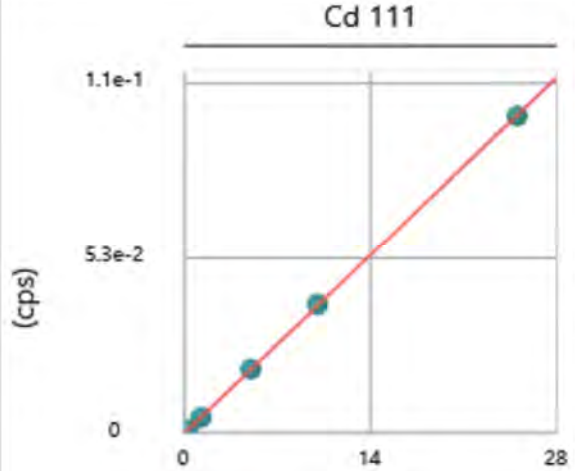
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999895
BEC : 0.000008 ug/L
DL : 0.001810 ug/L



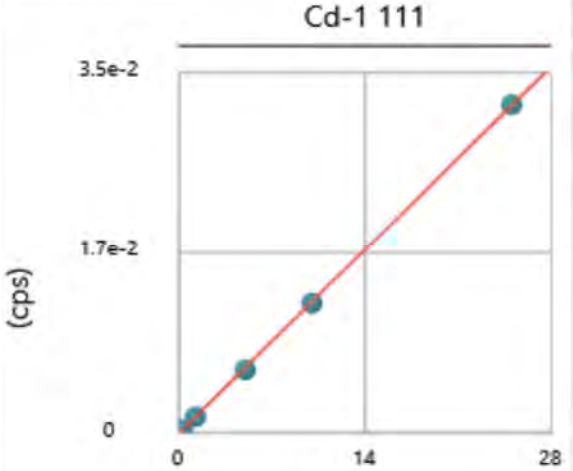
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.013816 ug/L
DL : 2.566063 ug/L



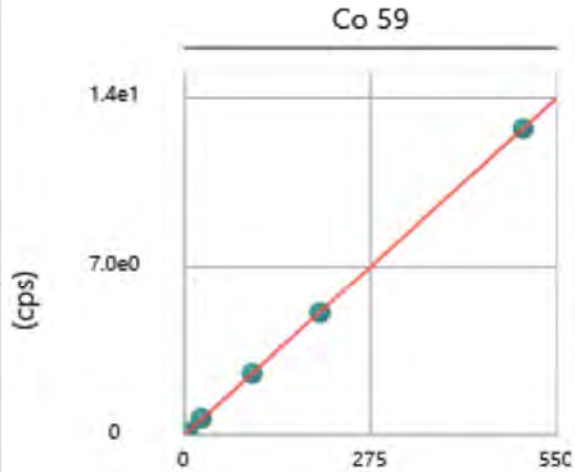
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.006439 mg/L
DL : 6.416254 mg/L



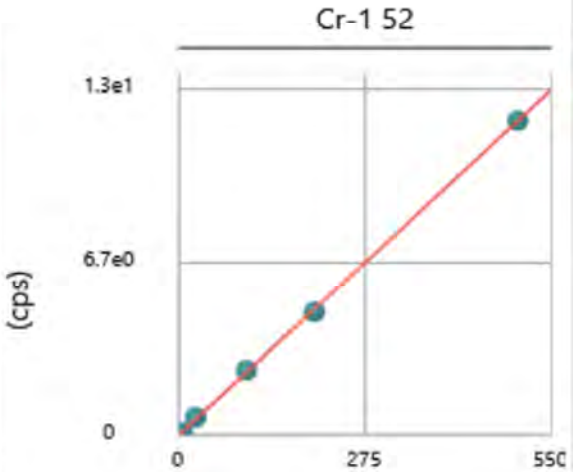
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999989
BEC : 0.000010 ug/L
DL : 0.002158 ug/L



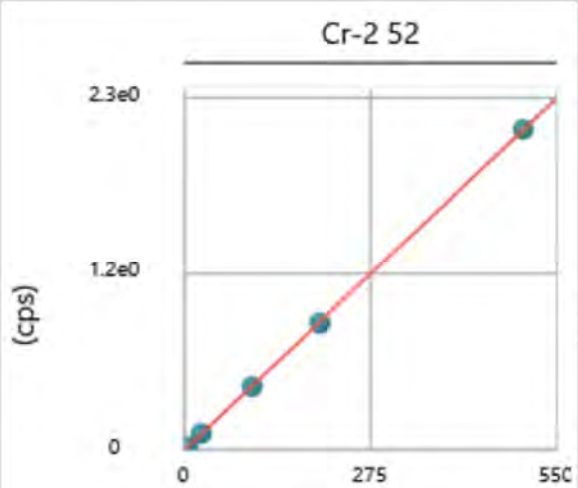
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999971
BEC : -0.000126 mg/L
DL : 0.017227 mg/L



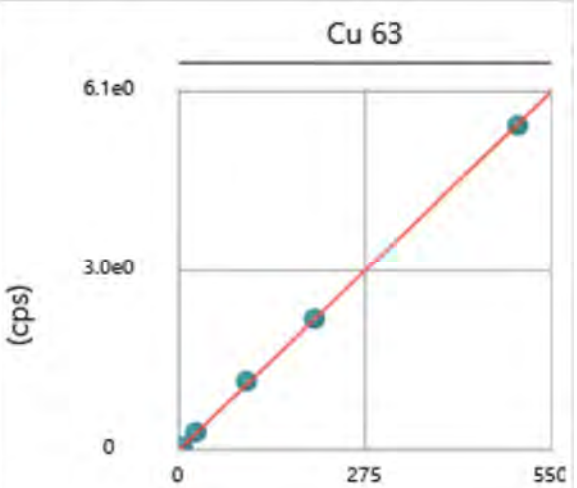
Eqn. : y = 0.025x + 0.000
Cor.Coeff. : 0.999987
BEC : 0.000089 ug/L
DL : 0.018038 ug/L



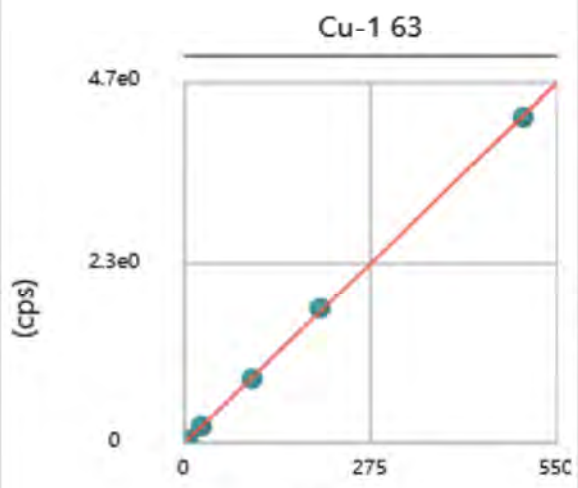
Eqn. : y = 0.024x + 0.000
Cor.Coeff. : 0.999926
BEC : 0.000292 ug/L
DL : 0.409101 ug/L



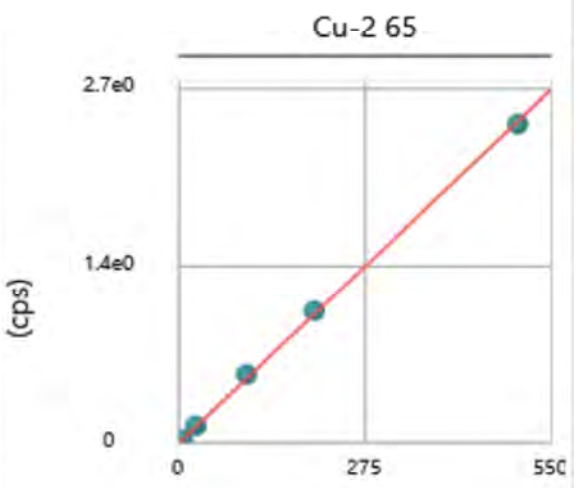
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999988
BEC : 0.000307 ug/L
DL : 0.074020 ug/L



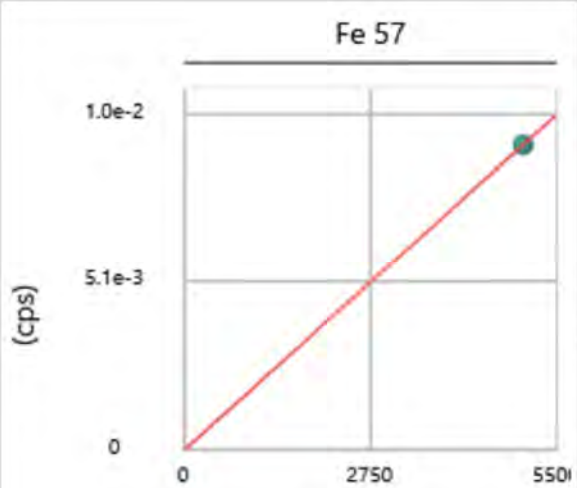
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999926
BEC : 0.000145 ug/L
DL : 0.028065 ug/L



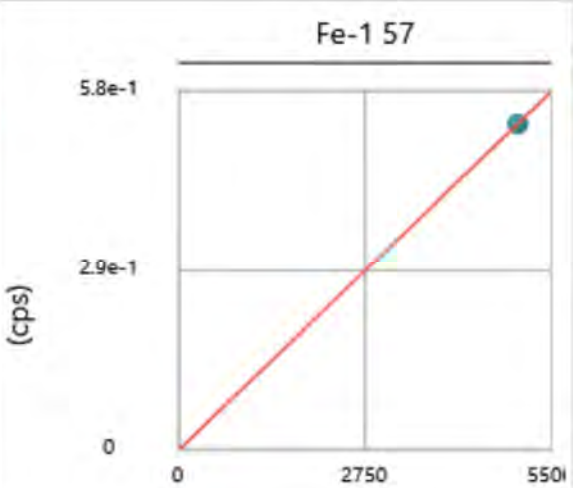
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999938
BEC : 0.000285 ug/L
DL : 0.064140 ug/L



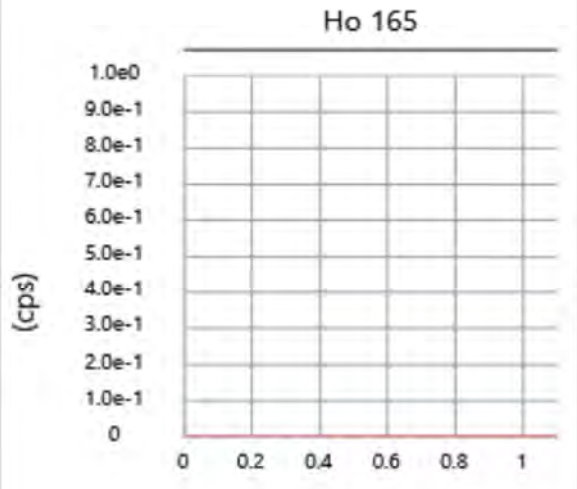
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999842
BEC : 0.000146 ug/L
DL : 0.030857 ug/L



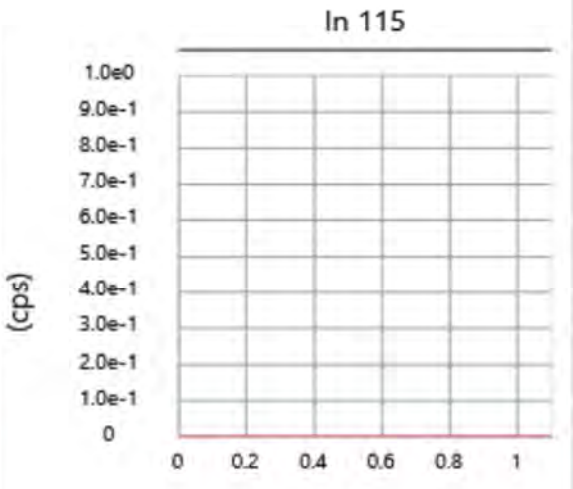
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.038910 ug/L
DL : 14.174235 ug/L



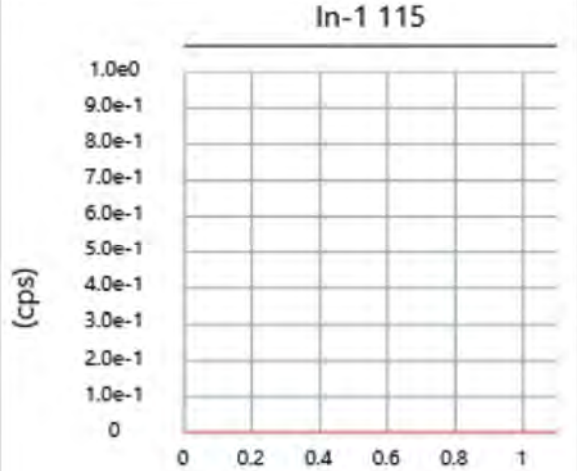
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.005663 ug/L
DL : 1.572468 ug/L



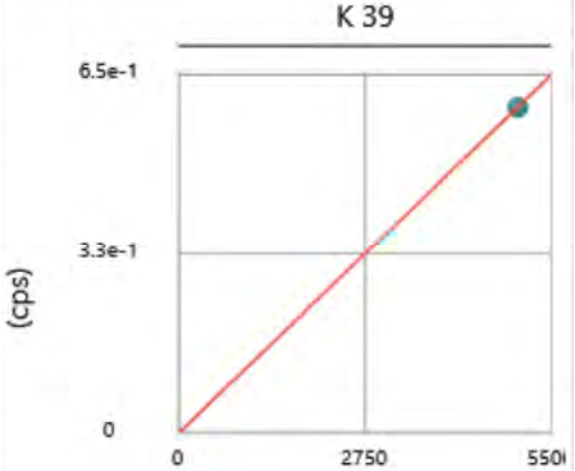
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



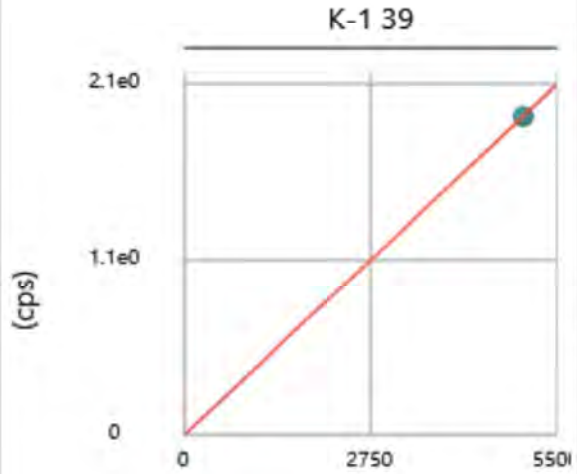
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



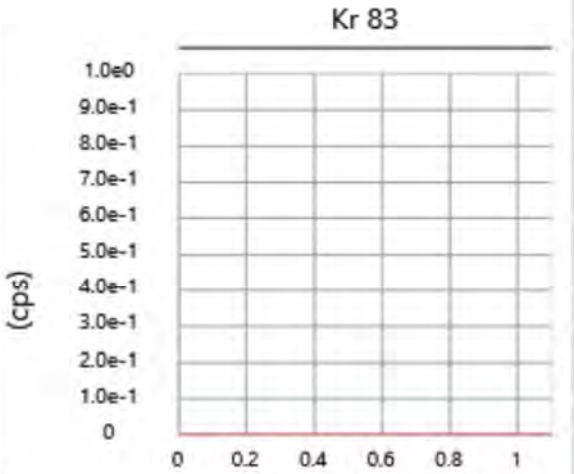
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



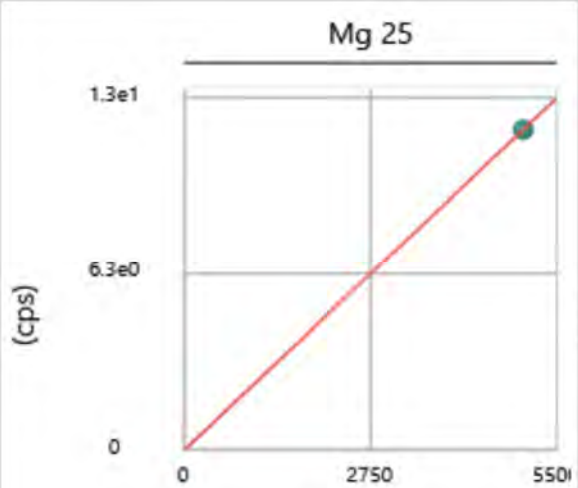
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.032674 ug/L
DL : 6.062669 ug/L



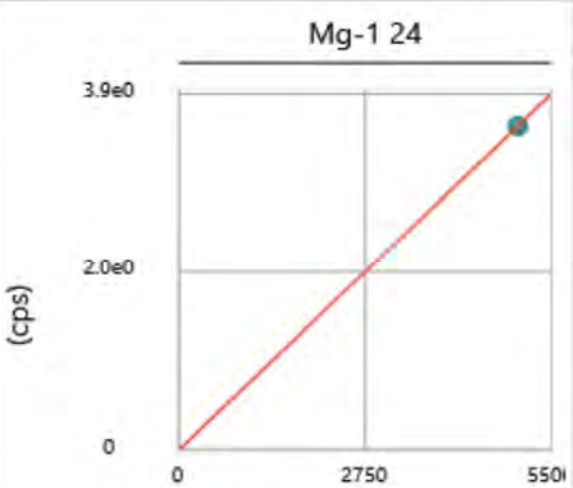
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.077379 mg/L
DL : 11.804446 mg/L



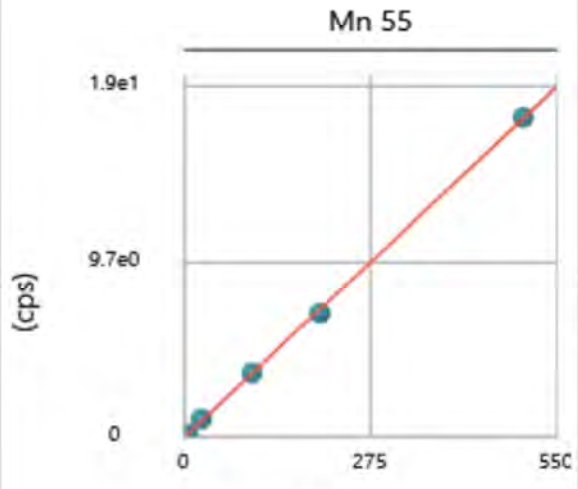
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



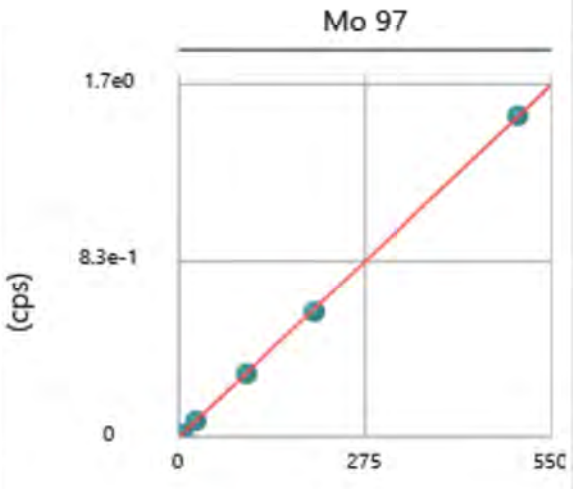
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.001567 ug/L
DL : 0.272895 ug/L



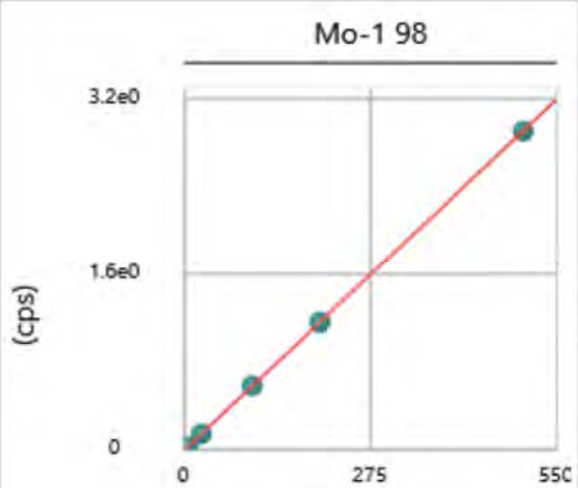
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.006405 mg/L
DL : 1.298315 mg/L



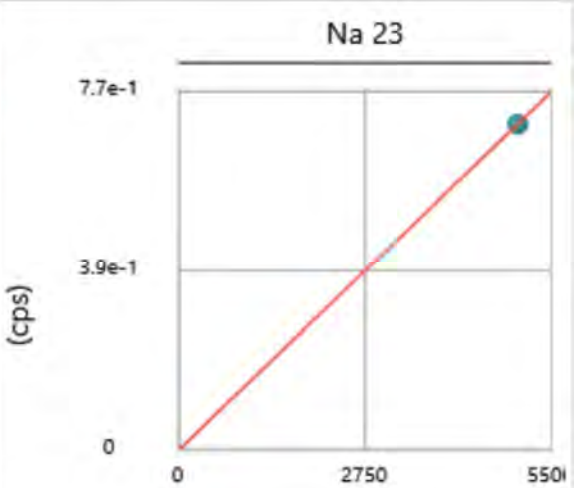
Eqn. : y = 0.035x + 0.000
Cor.Coeff. : 0.999905
BEC : 0.000052 ug/L
DL : 0.014487 ug/L



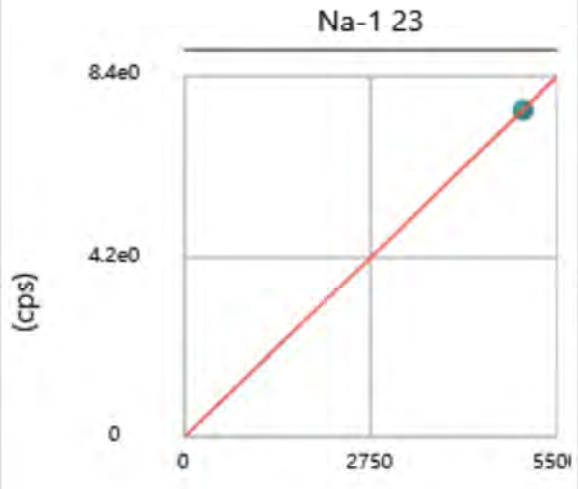
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999954
BEC : -0.000029 ug/L
DL : 0.028493 ug/L



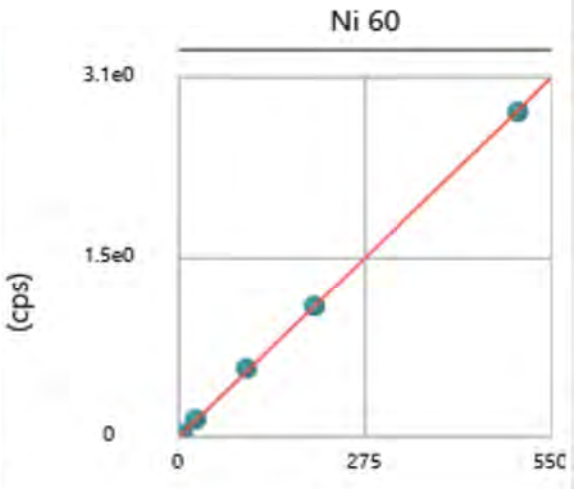
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999999
BEC : 0.000051 ug/L
DL : 0.037157 ug/L



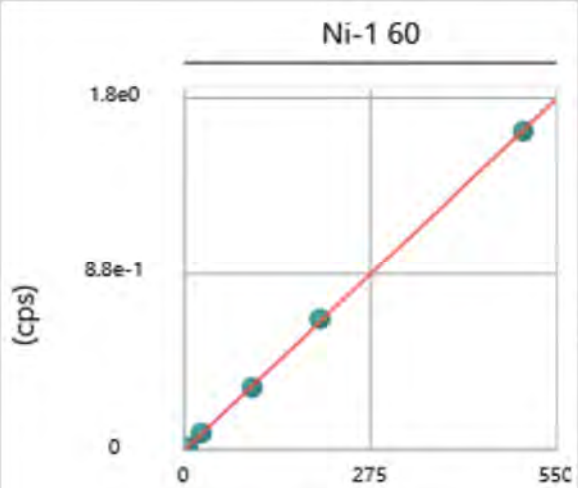
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.004163 ug/L
DL : 0.721140 ug/L



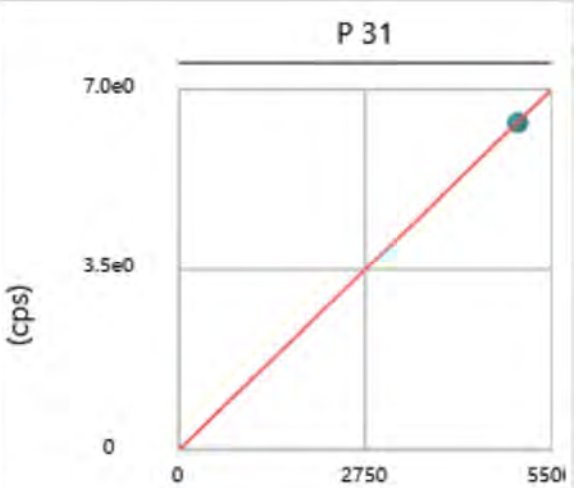
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.005696 mg/L
DL : 1.391361 mg/L



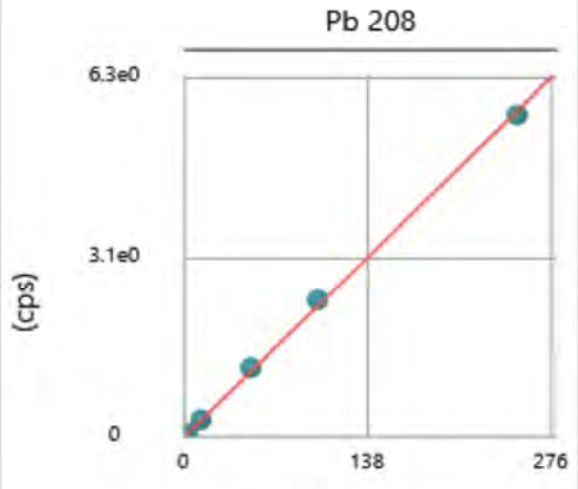
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999939
BEC : 0.000139 ug/L
DL : 0.029334 ug/L



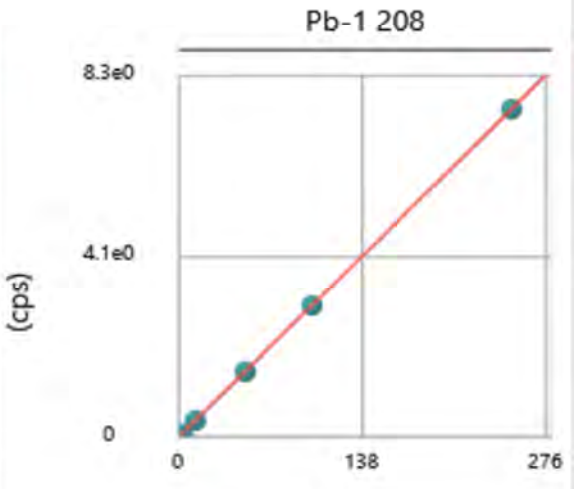
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999958
BEC : 0.000791 ug/L
DL : 0.107948 ug/L



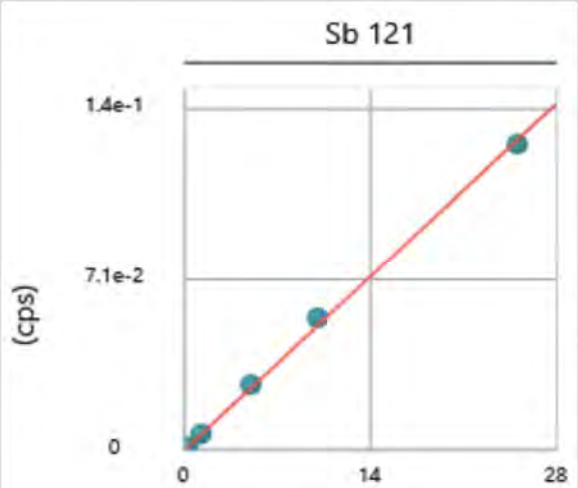
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.006384 ug/L
DL : 5.320098 ug/L



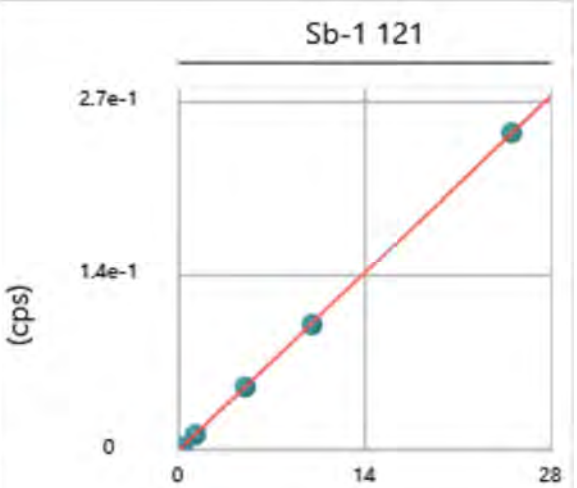
Eqn. : y = 0.023x + 0.000
Cor.Coeff. : 0.999696
BEC : 0.000006 ug/L
DL : 0.010175 ug/L



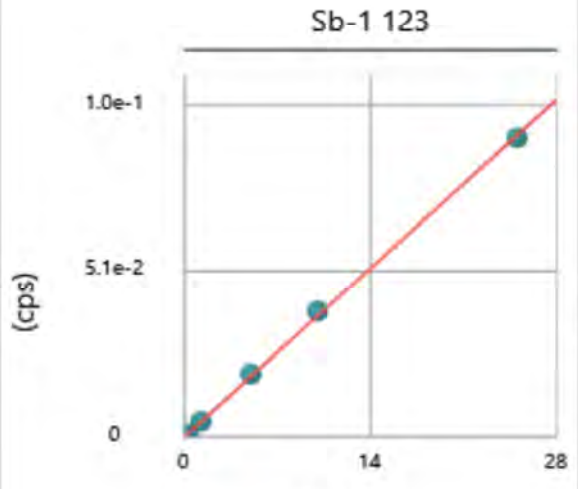
Eqn. : y = 0.030x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000245 ug/L
DL : 0.040927 ug/L



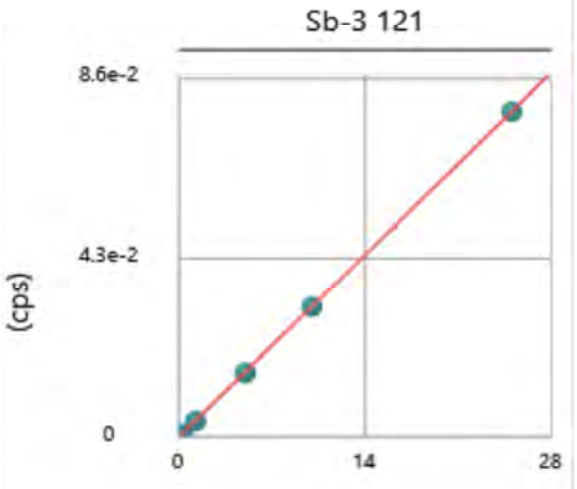
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999616
BEC : 0.000002 ug/L
DL : 0.000896 ug/L



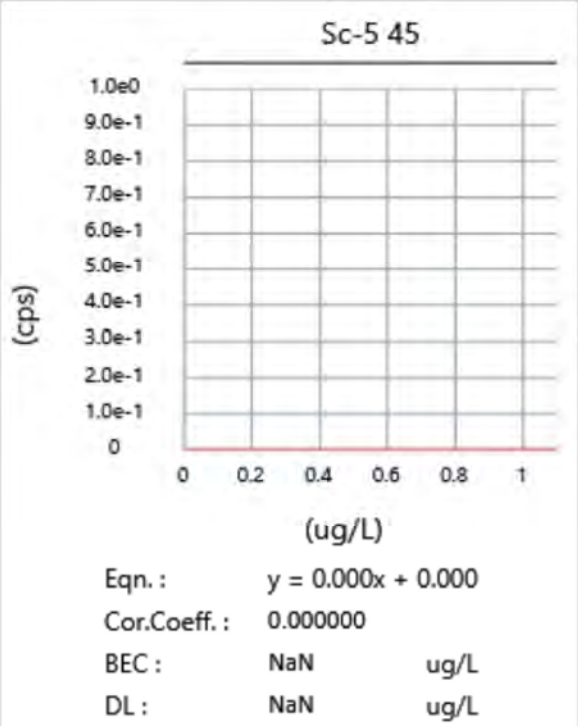
Eqn. : y = 0.010x + 0.000
Cor.Coeff. : 0.999988
BEC : 0.000004 ug/L
DL : 0.000983 ug/L



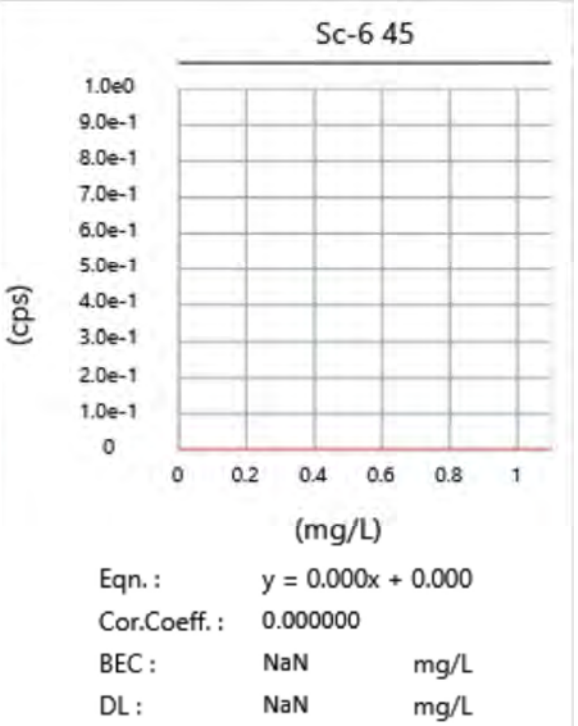
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999832
BEC : 0.000012 ug/L
DL : 0.006970 ug/L



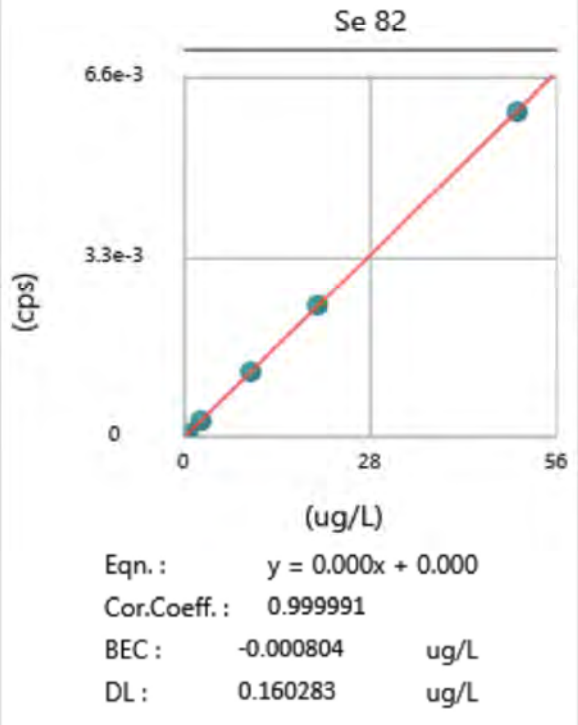
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999997
BEC : -0.000014 ug/L
DL : 0.005497 ug/L



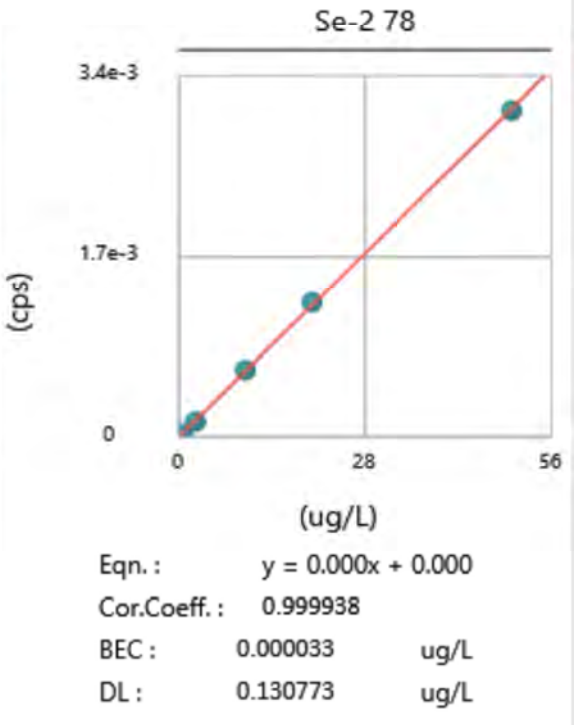
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



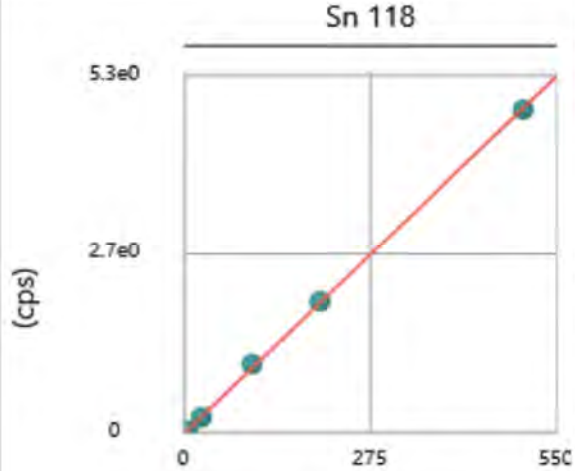
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN mg/L
DL : NaN mg/L



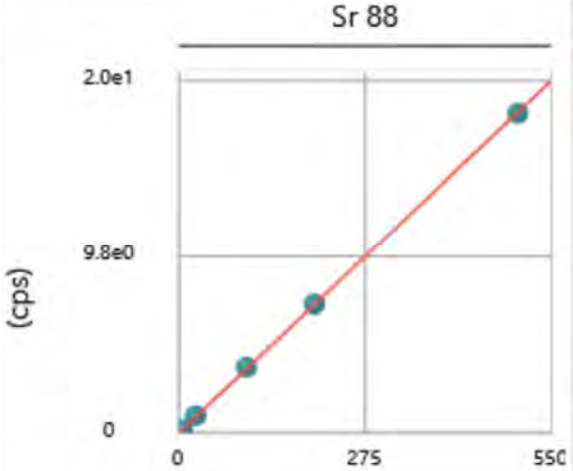
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999991
BEC : -0.000804 ug/L
DL : 0.160283 ug/L



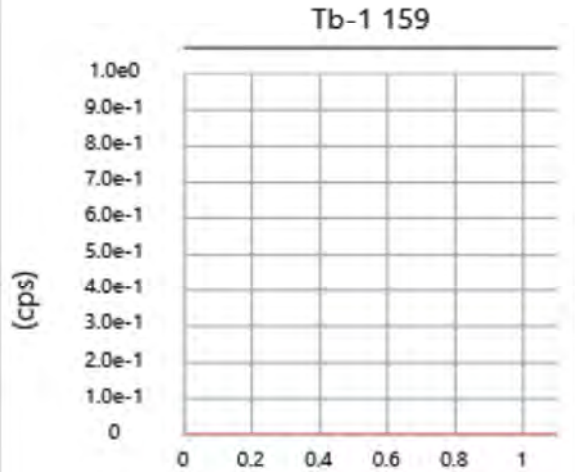
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999938
BEC : 0.000033 ug/L
DL : 0.130773 ug/L



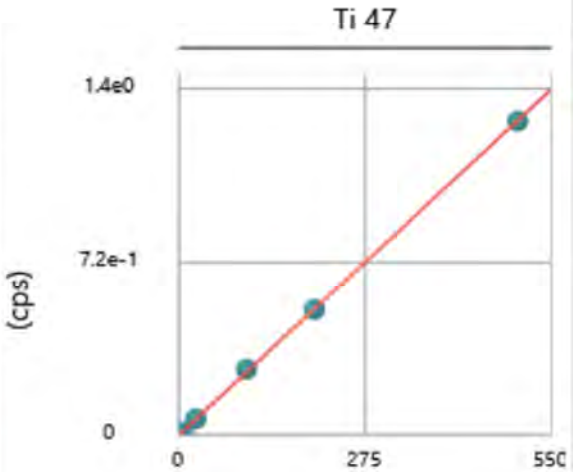
Eqn. : y = 0.010x + 0.000
Cor.Coeff. : 0.999904
BEC : 0.000998 ug/L
DL : 0.215078 ug/L



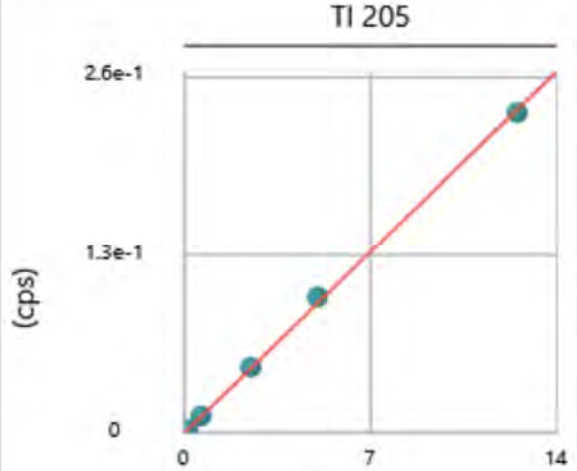
Eqn. : y = 0.036x + 0.000
Cor.Coeff. : 0.999973
BEC : 0.000083 ug/L
DL : 0.018374 ug/L



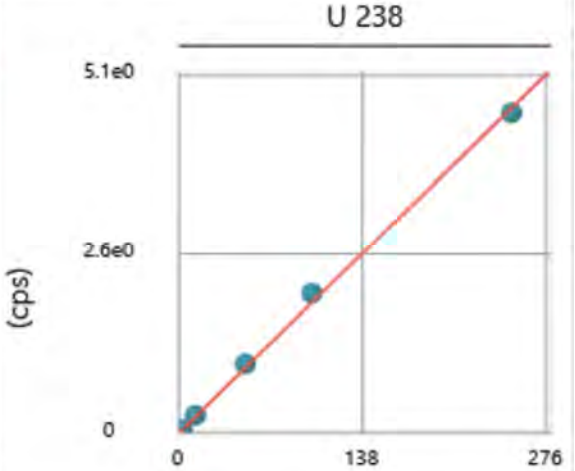
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



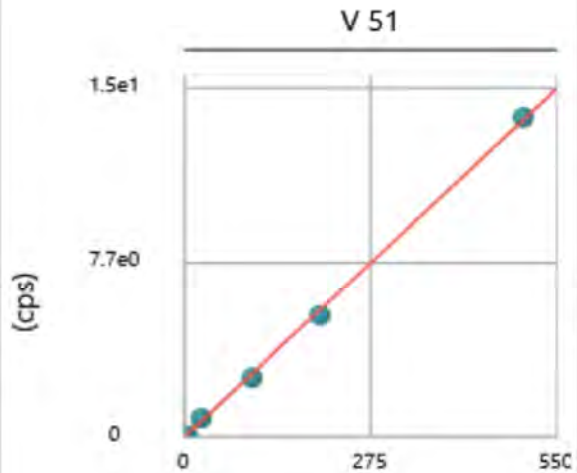
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999955
BEC : 0.000269 ug/L
DL : 0.072549 ug/L



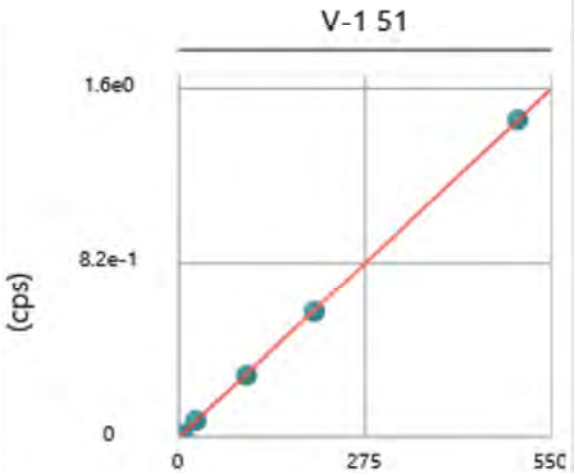
Eqn. : y = 0.019x + 0.000
Cor.Coeff. : 0.999798
BEC : 0.000000 ug/L
DL : 0.001694 ug/L



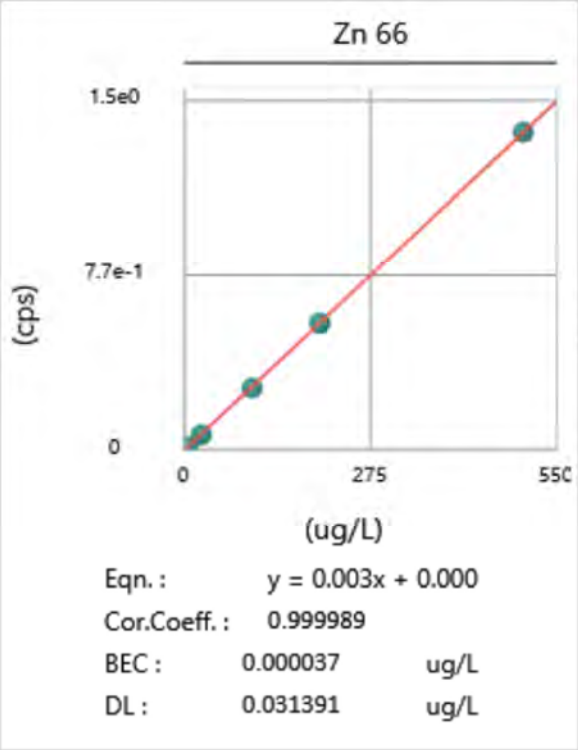
Eqn. : y = 0.019x + 0.000
Cor.Coeff. : 0.999474
BEC : 0.000001 ug/L
DL : 0.006715 ug/L

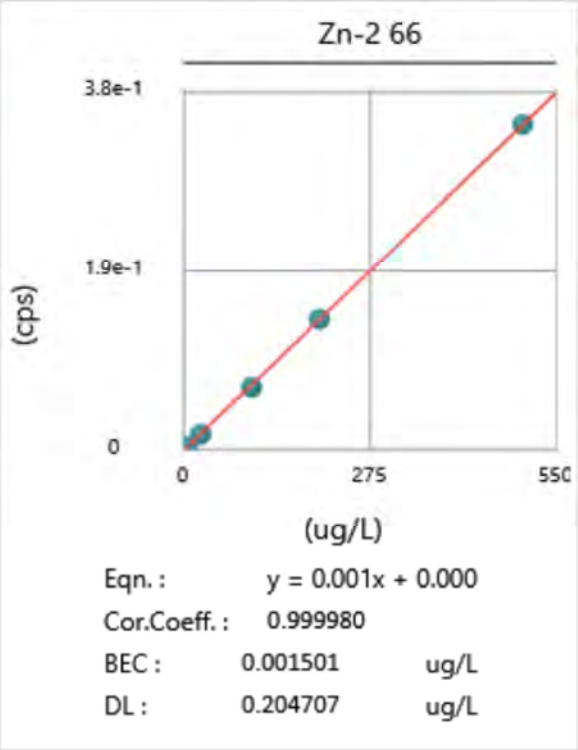


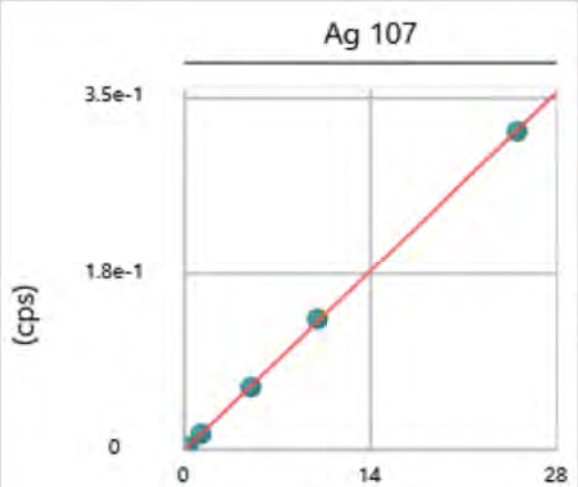
Eqn. : y = 0.028x + 0.000
Cor.Coeff. : 0.999630
BEC : 0.004966 ug/L
DL : 2.405742 ug/L



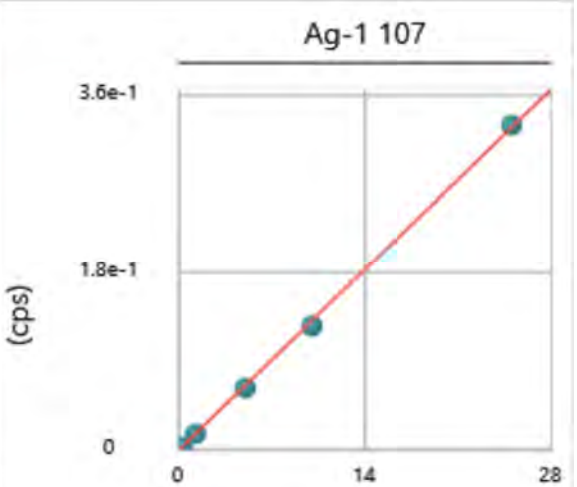
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999977
BEC : 0.000324 ug/L
DL : 0.076559 ug/L


Zn 66
1.5e0
7.7e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999989
BEC : 0.000037 ug/L
DL : 0.031391 ug/L

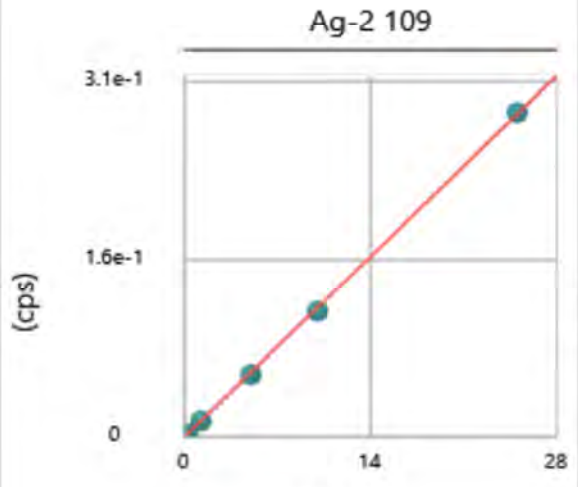

Zn-2 66
3.8e-1
1.9e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999980
BEC : 0.001501 ug/L
DL : 0.204707 ug/L



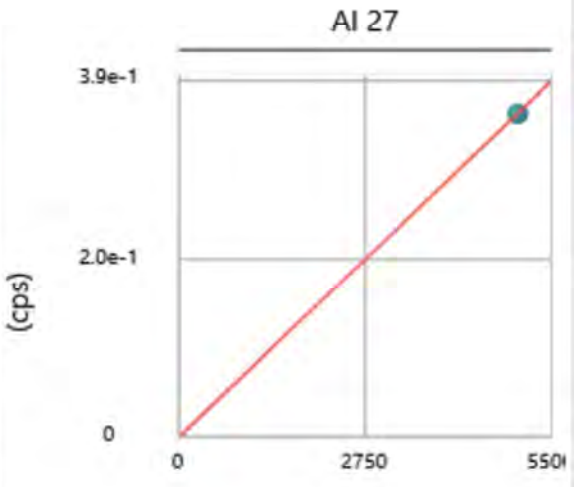
Eqn. : y = 0.013x + 0.000
Cor.Coeff. : 0.999960
BEC : 0.000000 ug/L
DL : 0.004453 ug/L



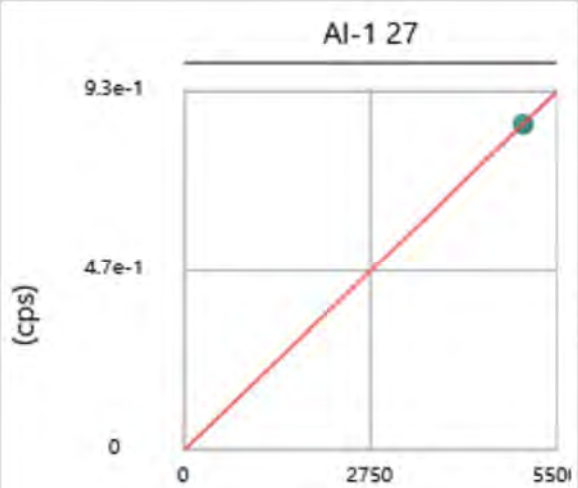
Eqn. : y = 0.013x + 0.000
Cor.Coeff. : 0.999850
BEC : 0.000066 ug/L
DL : 0.010886 ug/L



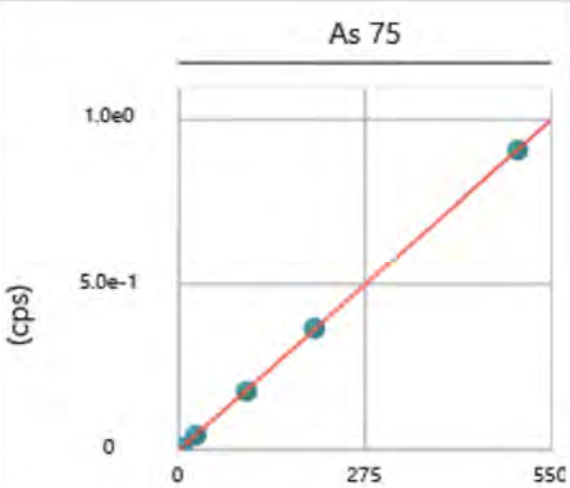
Eqn. : y = 0.011x + 0.000
Cor.Coeff. : 0.999923
BEC : -0.000001 ug/L
DL : 0.002581 ug/L



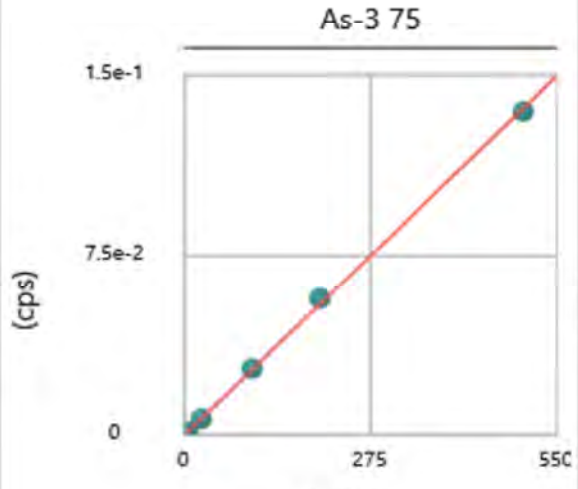
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.001123 ug/L
DL : 0.151385 ug/L



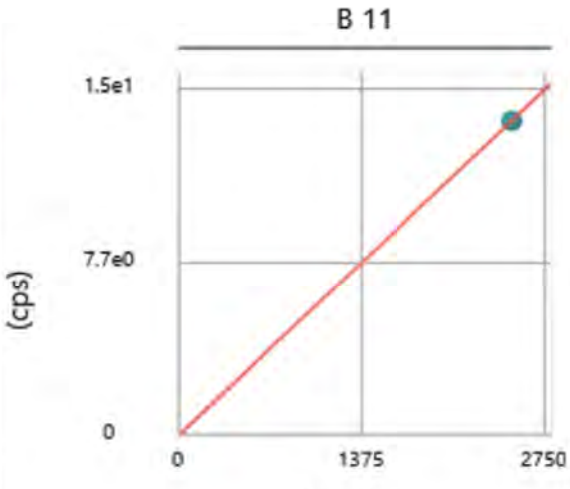
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000160 mg/L
DL : 0.165386 mg/L



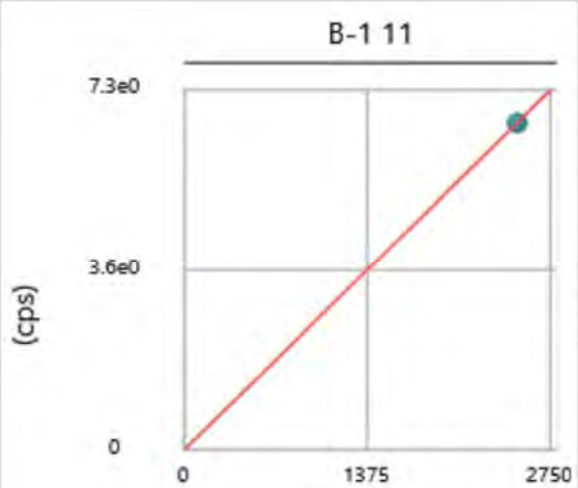
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999984
BEC : 0.001131 ug/L
DL : 0.833968 ug/L



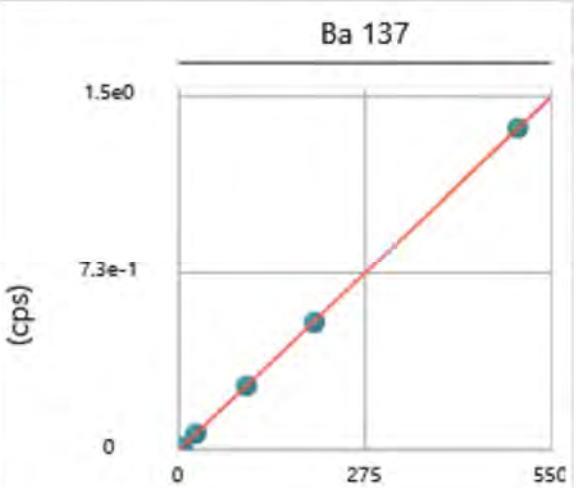
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.999821
BEC : -0.000046 ug/L
DL : 0.092086 ug/L



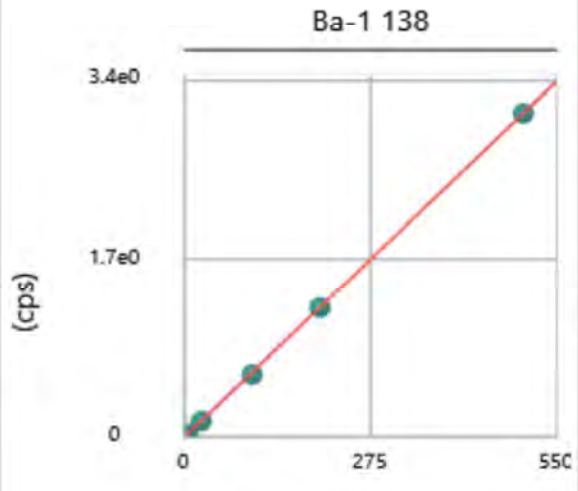
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000189 ug/L
DL : 0.066816 ug/L



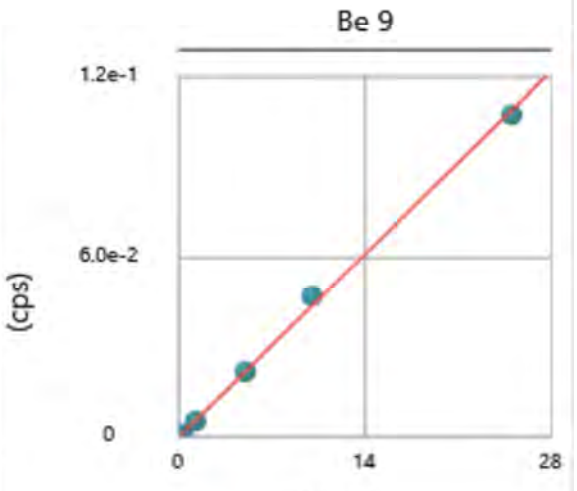
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.000085 ug/L
DL : 0.083825 ug/L



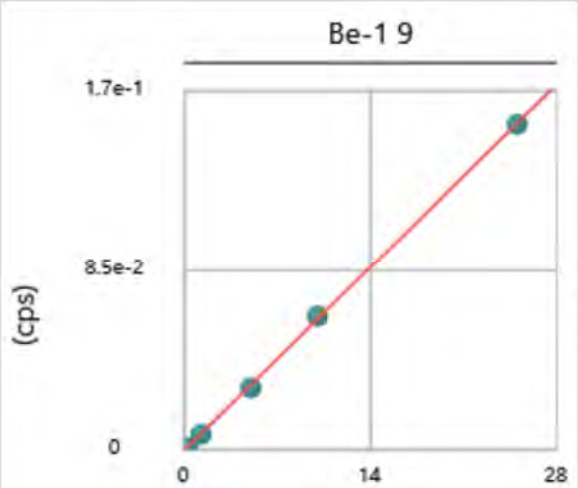
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999993
BEC : 0.000006 ug/L
DL : 0.002551 ug/L



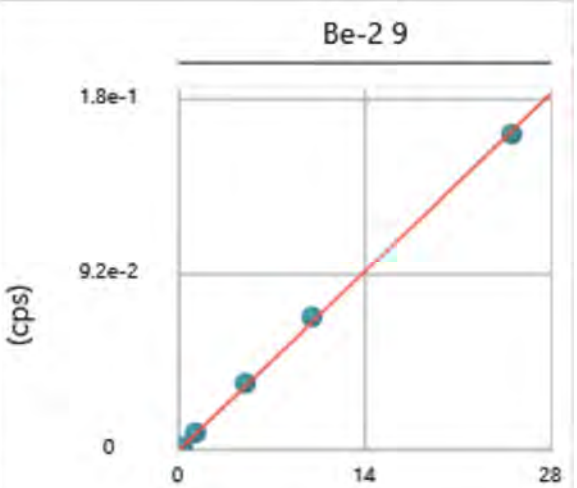
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999983
BEC : -0.000005 mg/L
DL : 0.002428 mg/L



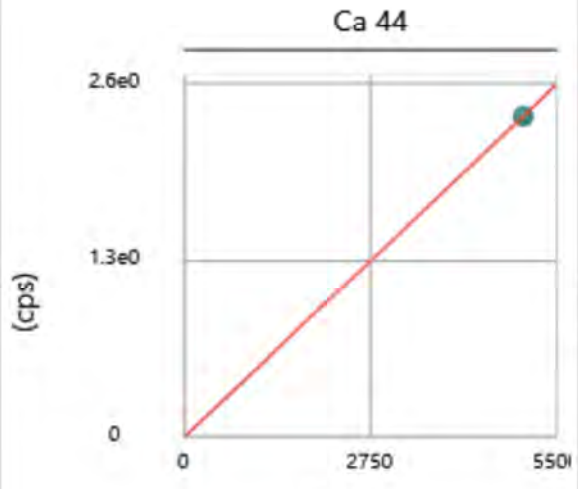
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999518
BEC : -0.000001 ug/L
DL : 0.000141 ug/L



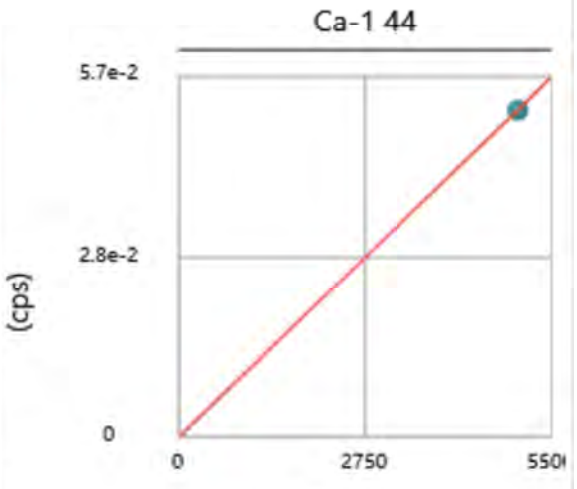
Eqn. : y = 0.006x + 0.000
Cor.Coeff. : 0.999931
BEC : 0.000000 ug/L
DL : 0.000000 ug/L



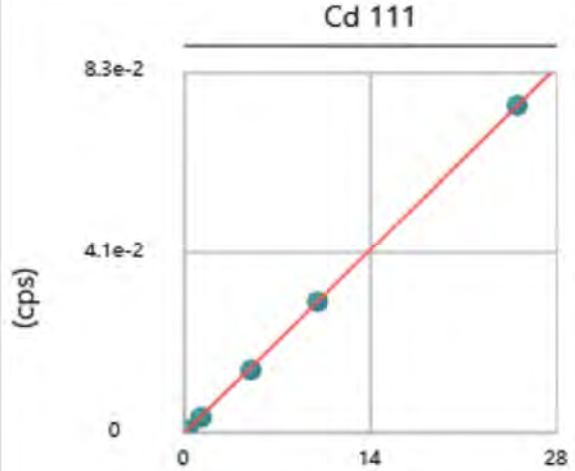
Eqn. : y = 0.007x + 0.000
Cor.Coeff. : 0.999811
BEC : 0.000000 ug/L
DL : 0.000180 ug/L



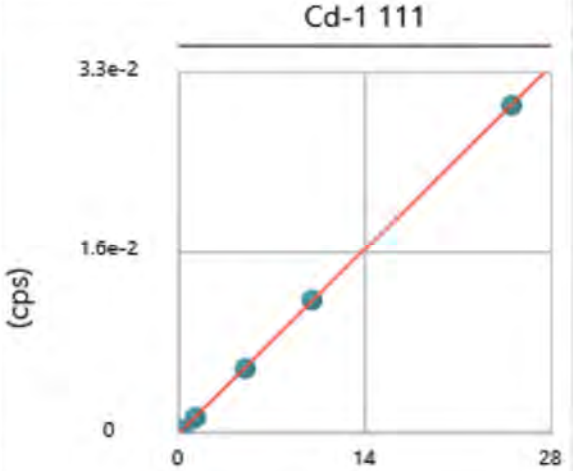
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.006554 ug/L
DL : 0.985603 ug/L



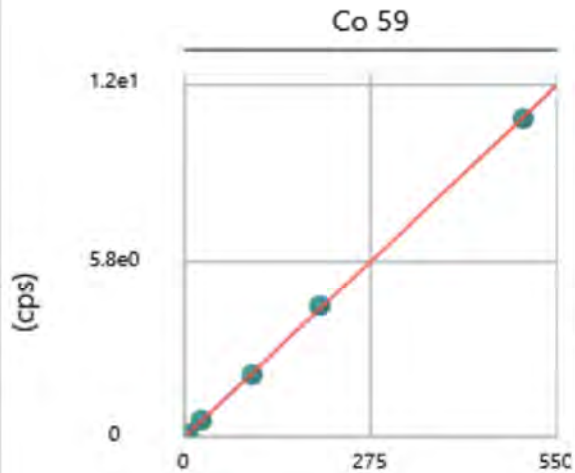
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.007895 mg/L
DL : 1.098802 mg/L



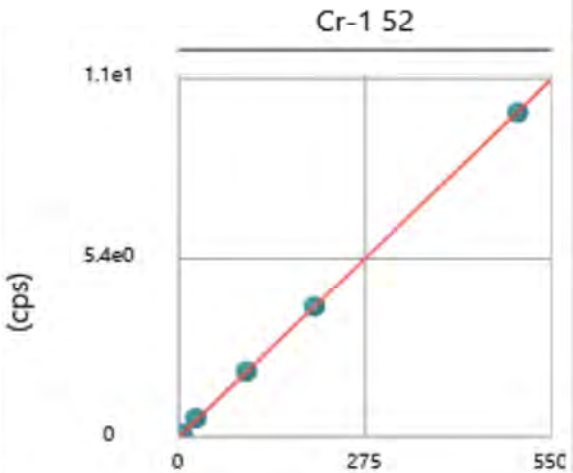
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999979
BEC : -0.000003 ug/L
DL : 0.002469 ug/L



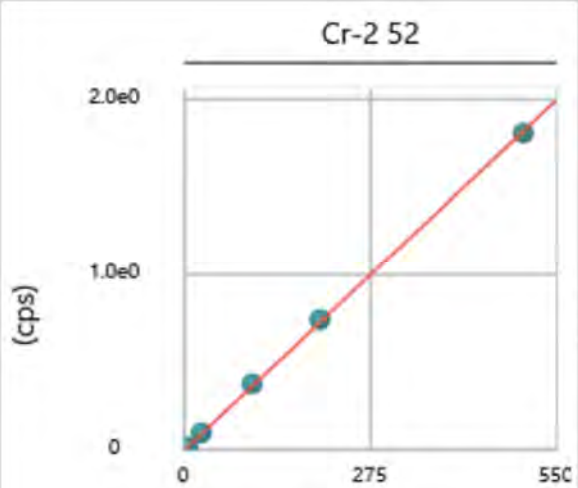
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999987
BEC : -0.000076 mg/L
DL : 0.018474 mg/L



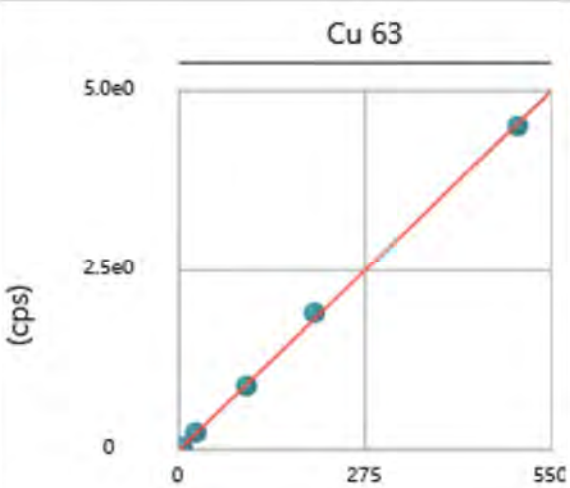
Eqn. : y = 0.021x + 0.000
Cor.Coeff. : 0.999939
BEC : 0.000001 ug/L
DL : 0.001118 ug/L



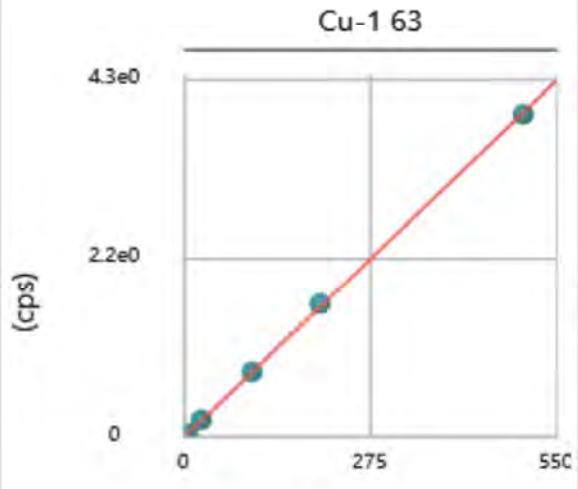
Eqn. : y = 0.020x + 0.000
Cor.Coeff. : 0.999968
BEC : 0.000078 ug/L
DL : 0.055373 ug/L



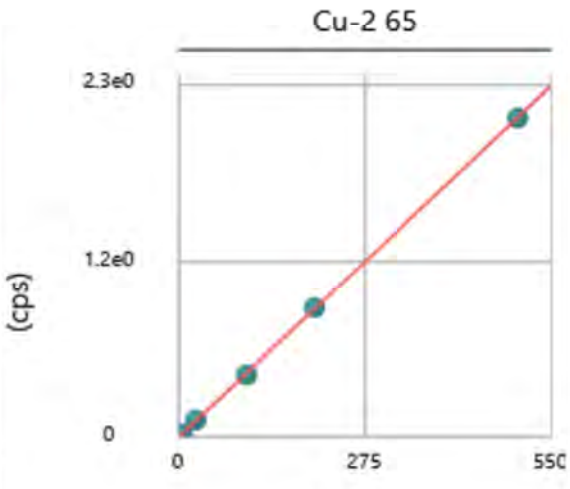
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999924
BEC : 0.000123 ug/L
DL : 0.017059 ug/L



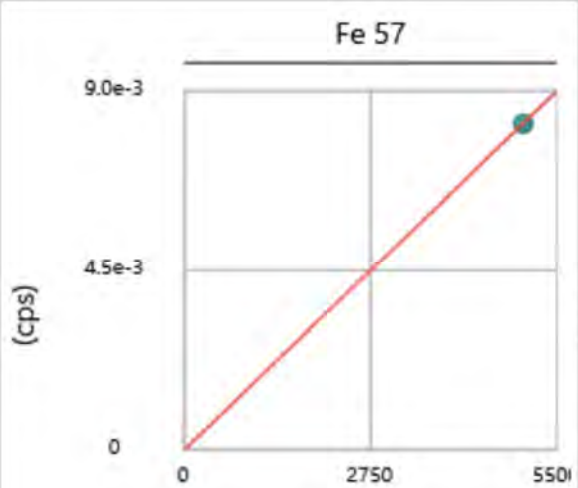
Eqn. : y = 0.009x + 0.000
Cor.Coeff. : 0.999810
BEC : -0.000029 ug/L
DL : 0.020029 ug/L



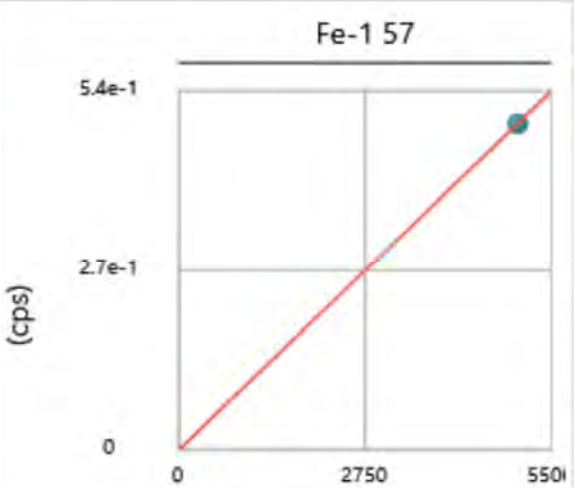
Eqn. : y = 0.008x + 0.000
Cor.Coeff. : 0.999938
BEC : -0.000032 ug/L
DL : 0.021169 ug/L



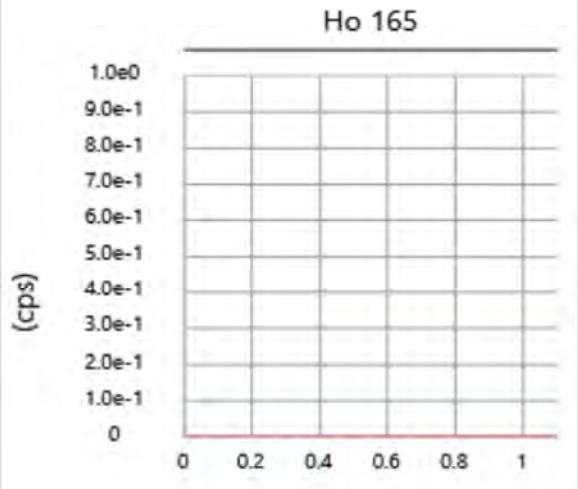
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999976
BEC : -0.000003 ug/L
DL : 0.010279 ug/L



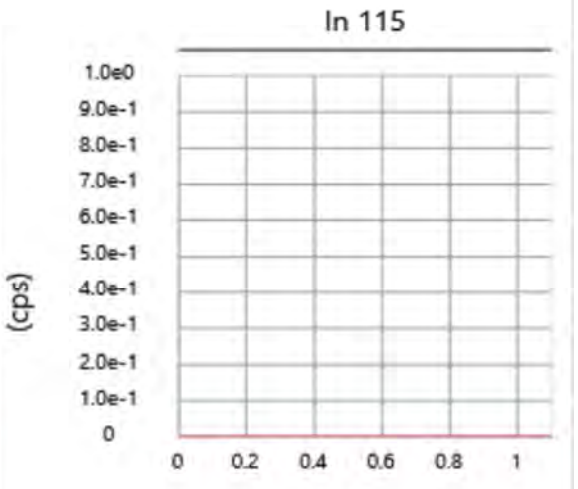
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.058130 ug/L
DL : 13.749971 ug/L



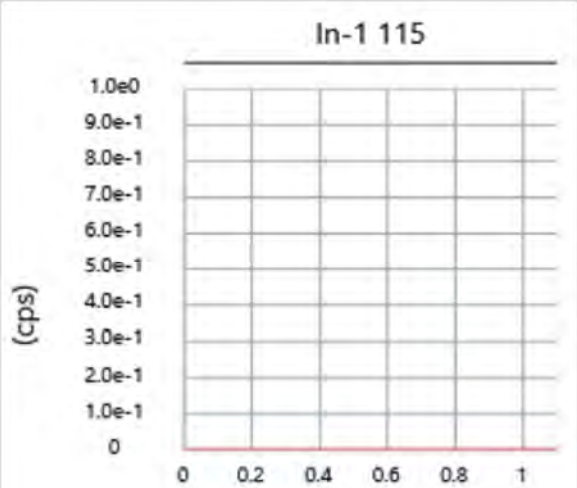
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.004567 ug/L
DL : 0.663083 ug/L



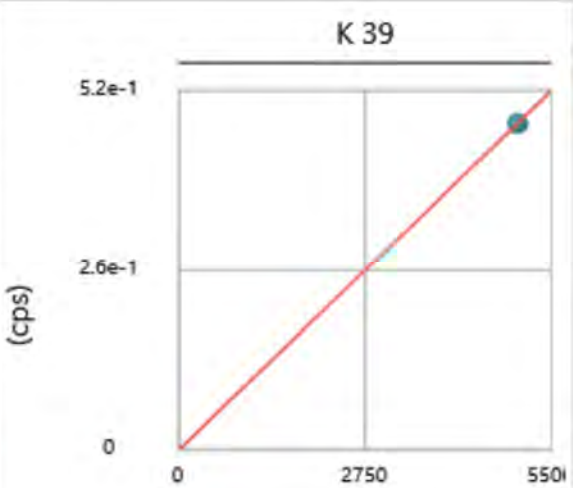
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



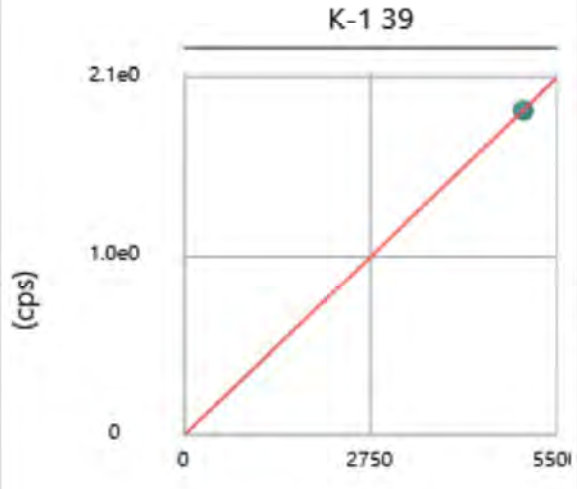
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



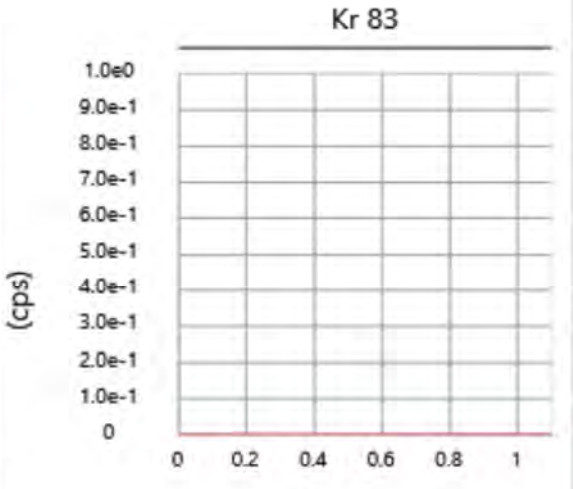
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



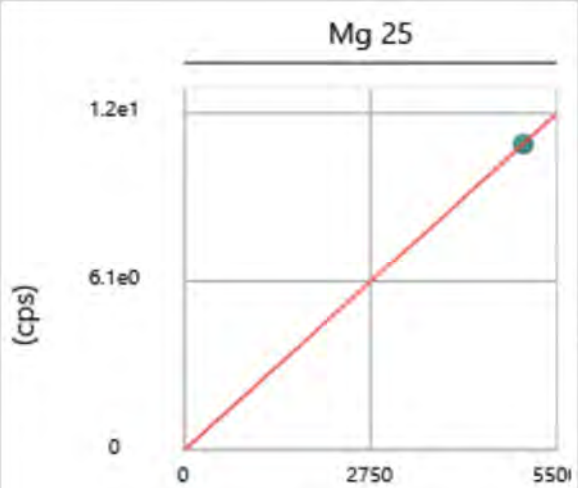
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.006335 ug/L
DL : 1.479109 ug/L



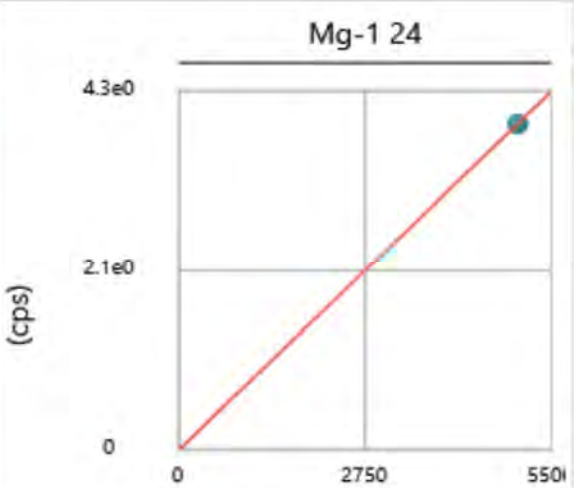
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.067762 mg/L
DL : 10.145066 mg/L



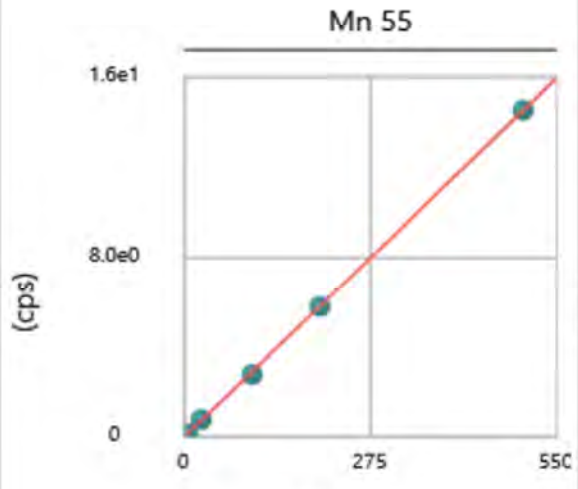
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



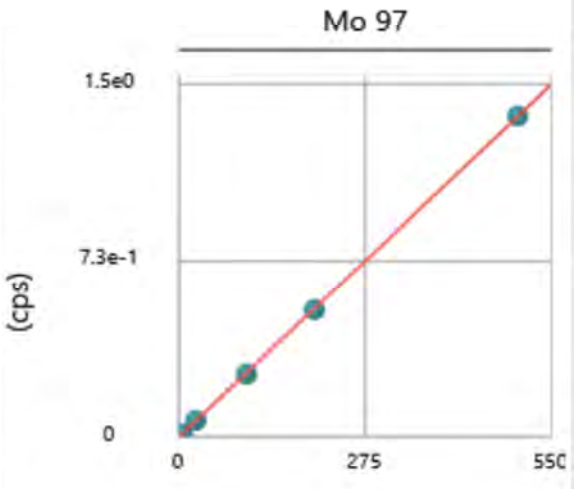
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000404 ug/L
DL : 0.058993 ug/L



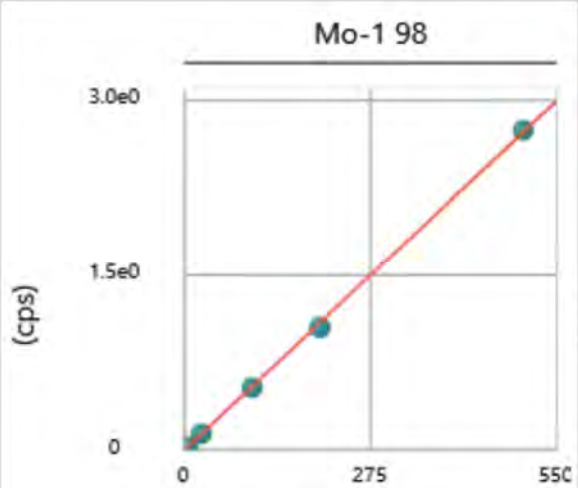
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.000514 mg/L
DL : 0.072797 mg/L



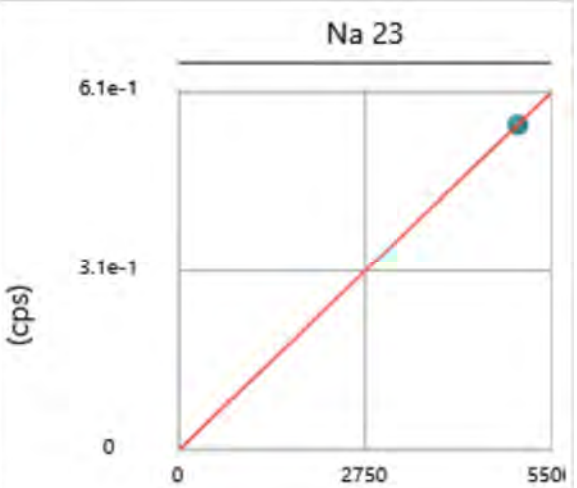
Eqn. : y = 0.029x + 0.000
Cor.Coeff. : 0.999965
BEC : 0.000003 ug/L
DL : 0.003206 ug/L



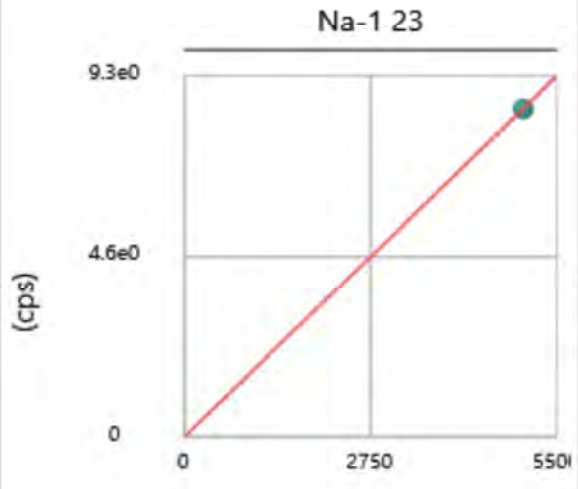
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999987
BEC : -0.000017 ug/L
DL : 0.014541 ug/L



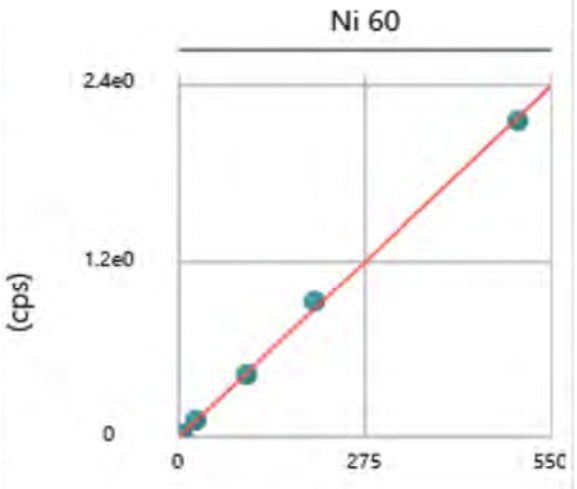
Eqn. : y = 0.005x + 0.000
Cor.Coeff. : 0.999886
BEC : -0.000042 ug/L
DL : 0.005962 ug/L



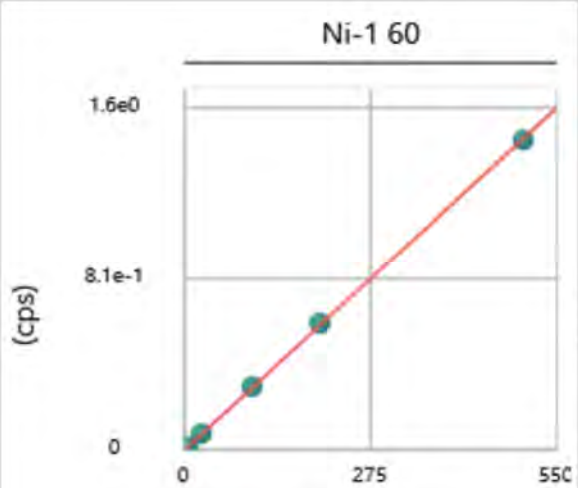
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 1.000000
BEC : -0.001479 ug/L
DL : 0.232688 ug/L



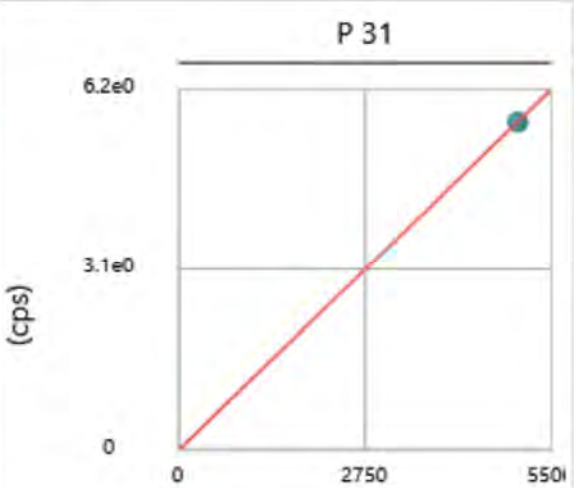
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.001465 mg/L
DL : 0.322686 mg/L



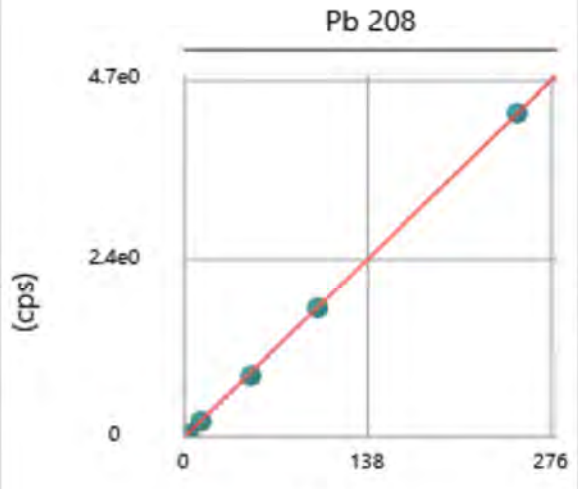
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999719
BEC : -0.000032 ug/L
DL : 0.026135 ug/L



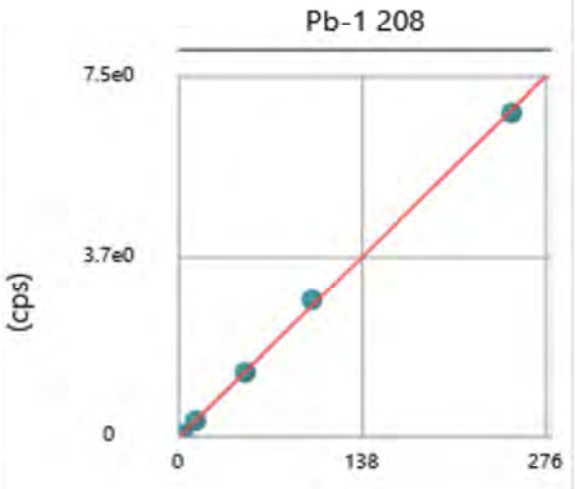
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999963
BEC : 0.000195 ug/L
DL : 0.032049 ug/L



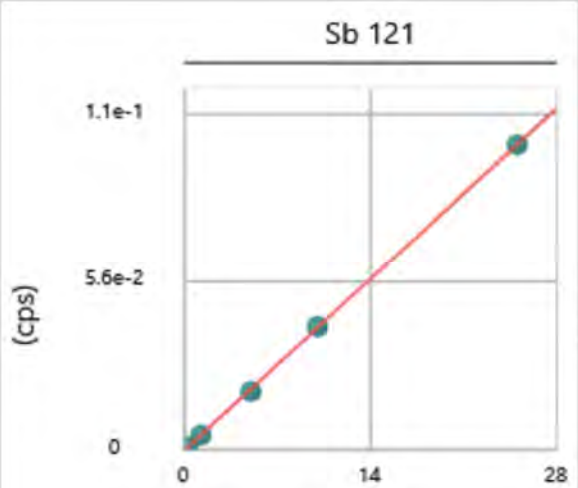
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 1.000000
BEC : 0.081050 ug/L
DL : 11.758029 ug/L



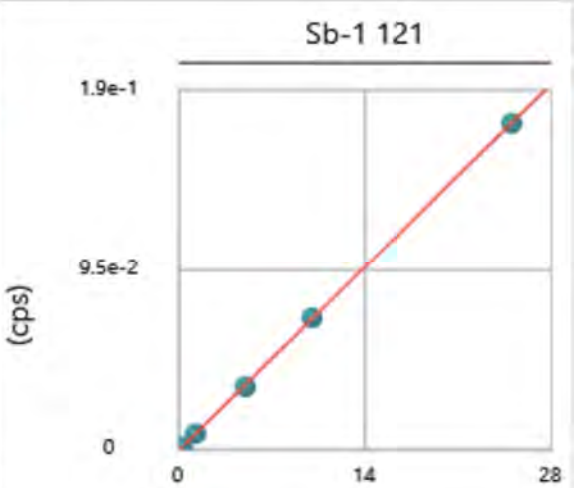
Eqn. : y = 0.017x + 0.000
Cor.Coeff. : 0.999958
BEC : 0.000012 ug/L
DL : 0.001612 ug/L



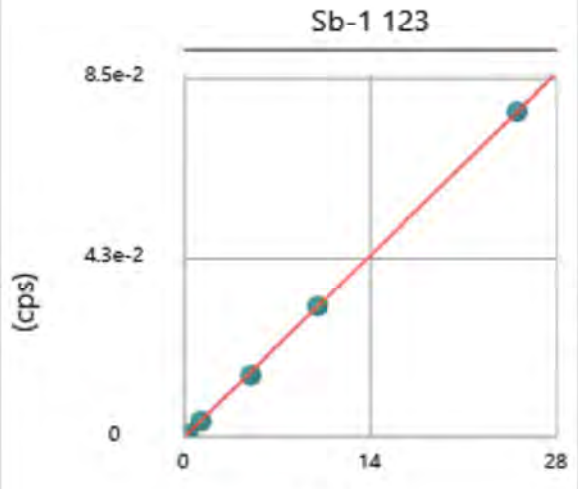
Eqn. : y = 0.027x + 0.000
Cor.Coeff. : 0.999823
BEC : -0.000005 ug/L
DL : 0.002138 ug/L



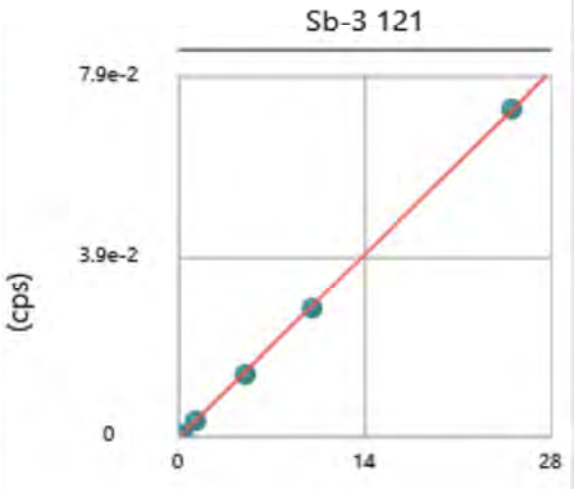
Eqn. : y = 0.004x + 0.000
Cor.Coeff. : 0.999971
BEC : -0.000003 ug/L
DL : 0.000470 ug/L



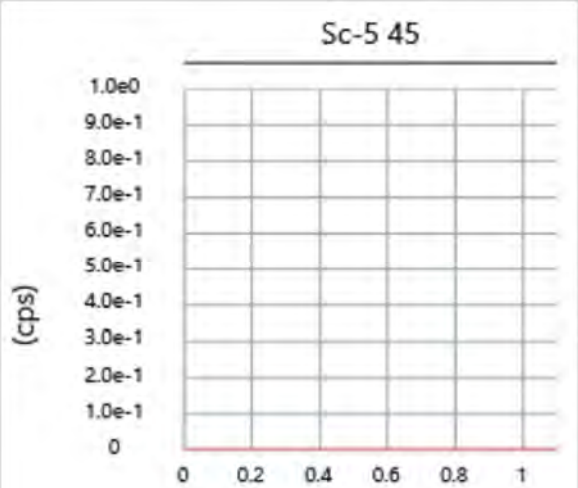
Eqn. : y = 0.007x + 0.000
Cor.Coeff. : 0.999982
BEC : -0.000001 ug/L
DL : 0.000669 ug/L



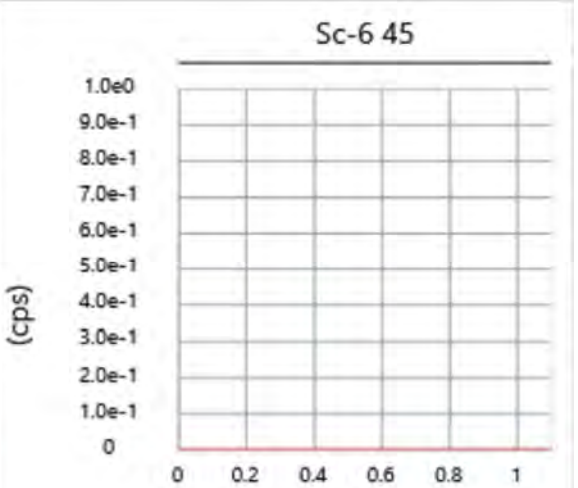
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999961
BEC : -0.000017 ug/L
DL : 0.002501 ug/L



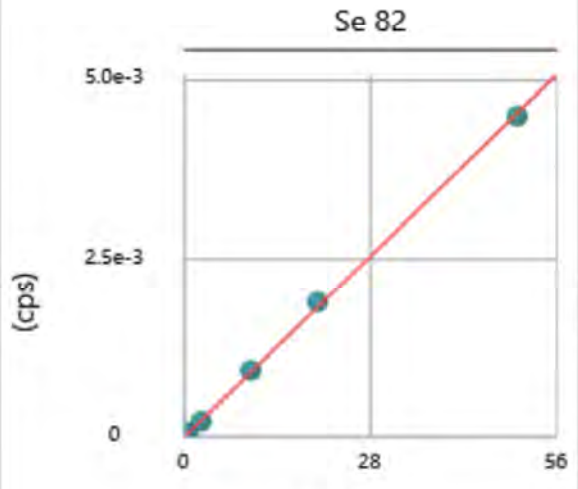
Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999945
BEC : -0.000007 ug/L
DL : 0.003124 ug/L



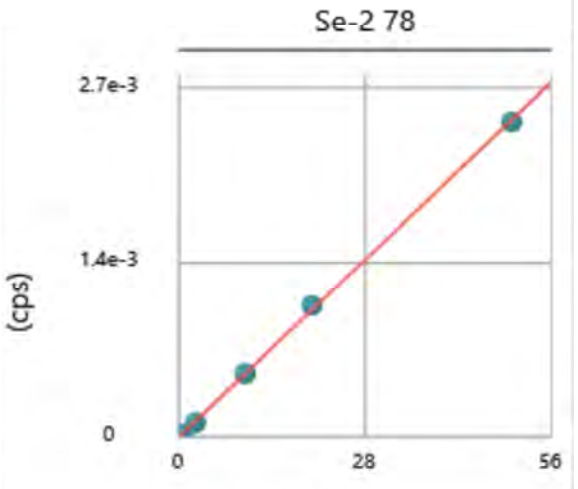
Eqn. :	y = 0.000x + 0.000	
Cor.Coeff. :	0.000000	
BEC :	NaN	ug/L
DL :	NaN	ug/L



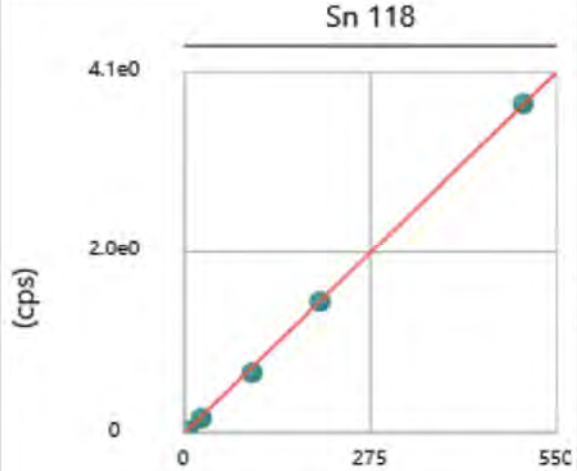
Eqn. :	y = 0.000x + 0.000	
Cor.Coeff. :	0.000000	
BEC :	NaN	mg/L
DL :	NaN	mg/L



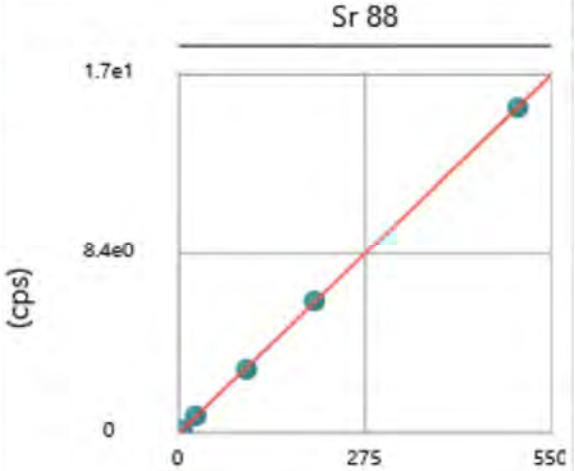
Eqn. :	y = 0.000x + 0.000	
Cor.Coeff. :	0.999824	
BEC :	-0.000020	ug/L
DL :	0.105468	ug/L



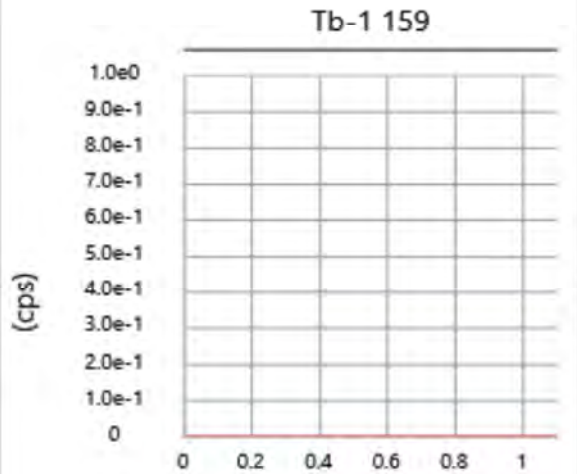
Eqn. :	y = 0.000x + 0.000	
Cor.Coeff. :	0.999886	
BEC :	-0.001231	ug/L
DL :	0.267730	ug/L



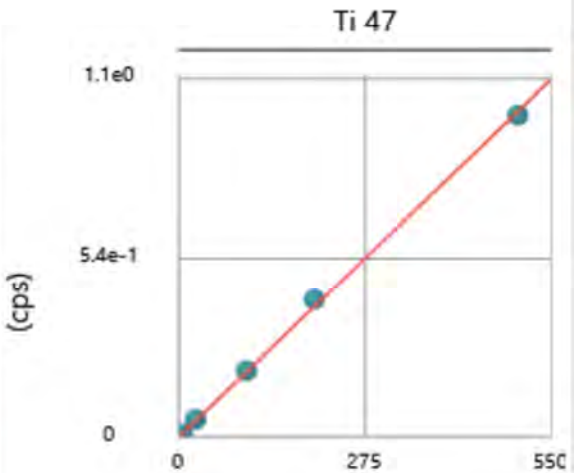
Eqn. : y = 0.007x + 0.000
Cor.Coeff. : 0.999868
BEC : -0.000145 ug/L
DL : 0.115700 ug/L



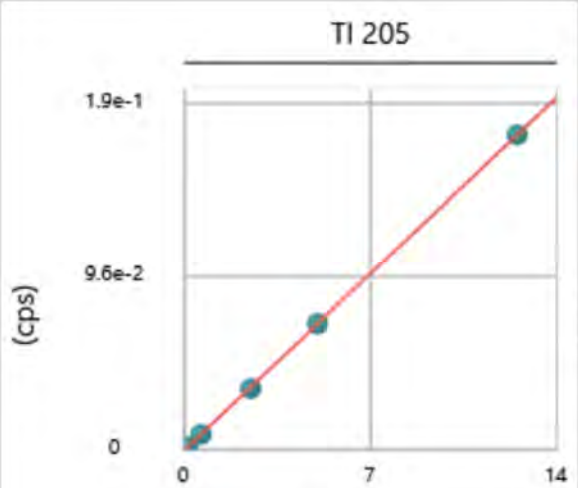
Eqn. : y = 0.031x + 0.000
Cor.Coeff. : 0.999980
BEC : 0.000001 ug/L
DL : 0.001276 ug/L



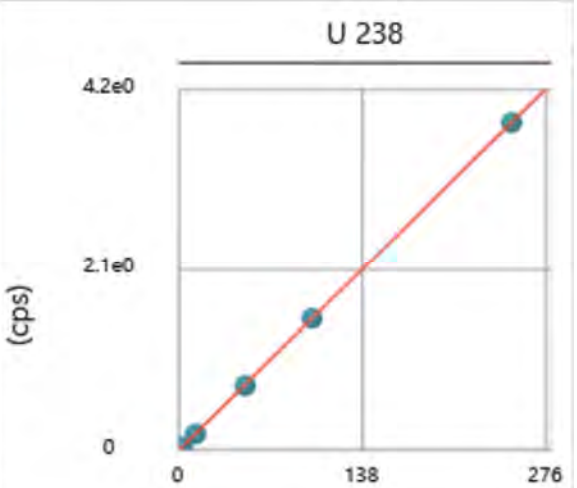
Eqn. : y = 0.000x + 0.000
Cor.Coeff. : 0.000000
BEC : NaN ug/L
DL : NaN ug/L



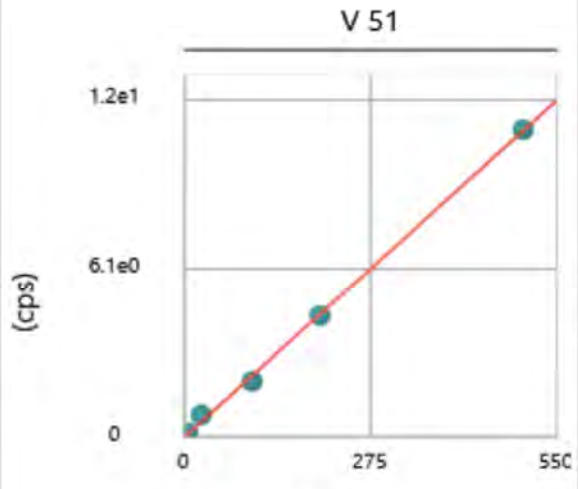
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999720
BEC : -0.000023 ug/L
DL : 0.017126 ug/L



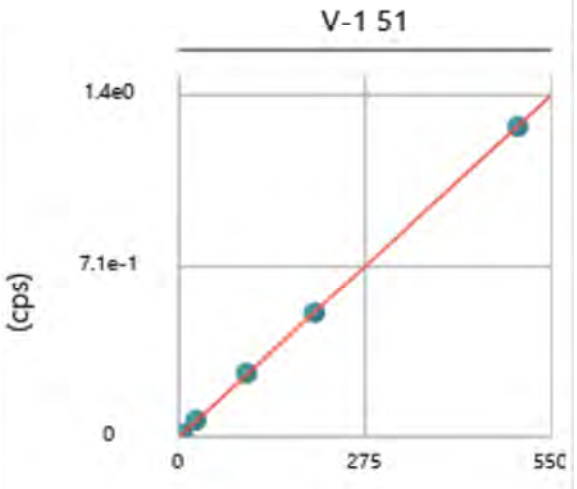
Eqn. : y = 0.014x + 0.000
Cor.Coeff. : 0.999991
BEC : 0.000001 ug/L
DL : 0.000423 ug/L



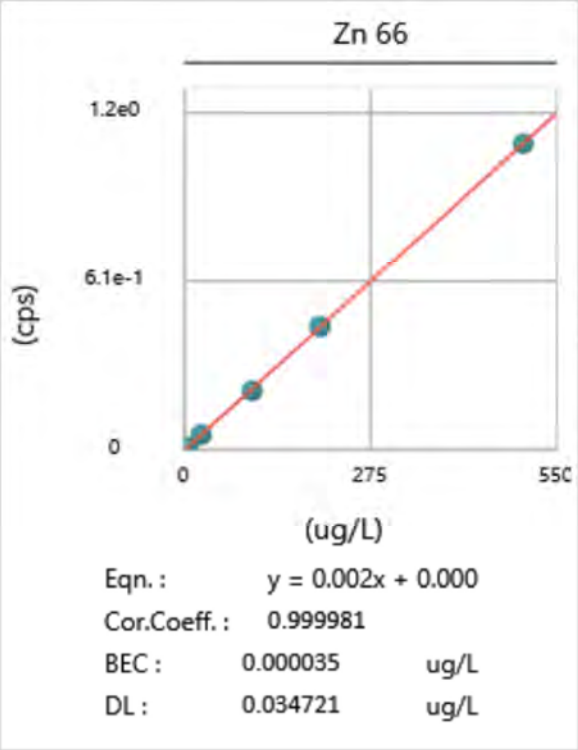
Eqn. : y = 0.015x + 0.000
Cor.Coeff. : 0.999996
BEC : -0.000002 ug/L
DL : 0.000273 ug/L

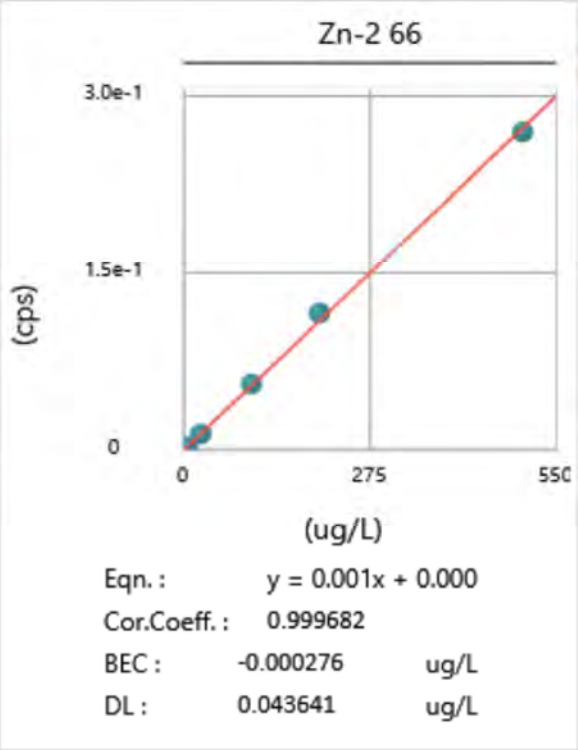


Eqn. : y = 0.022x + 0.000
Cor.Coeff. : 0.999620
BEC : -0.003882 ug/L
DL : 2.948275 ug/L



Eqn. : y = 0.003x + 0.000
Cor.Coeff. : 0.999977
BEC : 0.000317 ug/L
DL : 0.073183 ug/L


Zn 66
1.2e0
6.1e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.002x + 0.000
Cor.Coeff. : 0.999981
BEC : 0.000035 ug/L
DL : 0.034721 ug/L


Zn-2 66
3.0e-1
1.5e-1
0
(cps)
0
275
550
(ug/L)
Eqn. : y = 0.001x + 0.000
Cor.Coeff. : 0.999682
BEC : -0.000276 ug/L
DL : 0.043641 ug/L

Tunes

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 10/26/2021 8:38:35 AM
End Time: 10/26/2021 8:40:56 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 7817.34
Obtained Intensity (Mg 24): 39715.75
Obtained Intensity (In 115): 55726.19
Obtained Intensity (U 238): 45894.26
Obtained Intensity (Bkgd 220): 0.27
Obtained Formula (CeO 156 / Ce 140): 0.019 (=1270.12 / 66314.72)
Obtained Formula (Ce++ 70 / Ce 140): 0.012 (=789.69 / 66314.72)
Obtained RSD (Be 9): 0.0369
Obtained RSD (Mg 24): 0.0218
Obtained RSD (In 115): 0.0234
Obtained RSD (U 238): 0.0320

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 10/26/2021 8:38:35 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 7817.34
Obtained Intensity (Mg 24): 39715.75
Obtained Intensity (In 115): 55726.19
Obtained Intensity (U 238): 45894.26
Obtained Intensity (Bkgd 220): 0.27
Obtained Formula (CeO 156 / Ce 140): 0.019 (=1270.12 / 66314.72)
Obtained Formula (Ce++ 70 / Ce 140): 0.012 (=789.69 / 66314.72)
Obtained RSD (Be 9): 0.0369
Obtained RSD (Mg 24): 0.0218
Obtained RSD (In 115): 0.0234
Obtained RSD (U 238): 0.0320

[Passed] Optimum value(s): N/A

End Time: 10/26/2021 8:40:56 AM

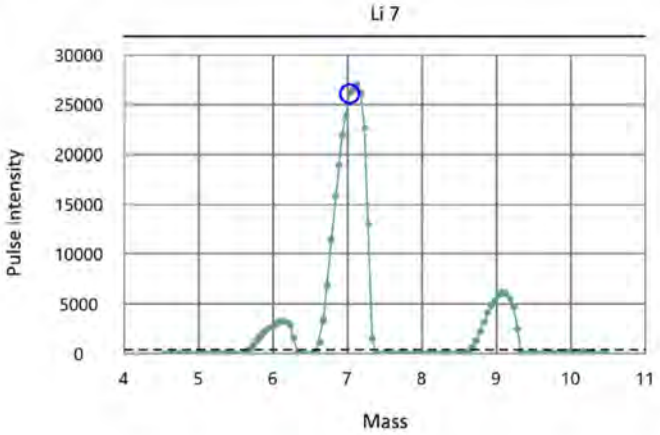
Mass Calibration and Resolution - [Passed] Optimum value(s): N/A

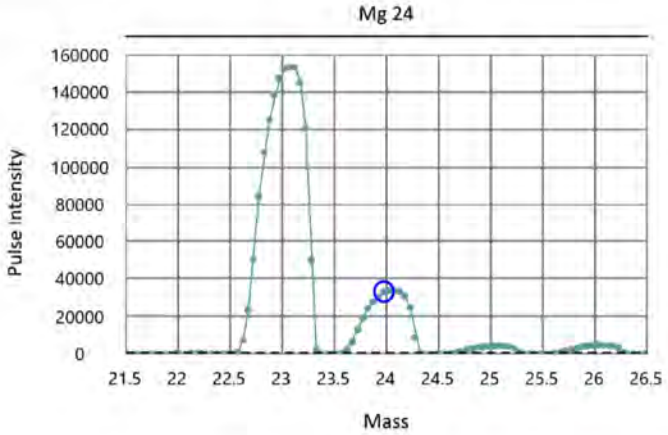
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.705)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.708)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.688)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.724)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.726)

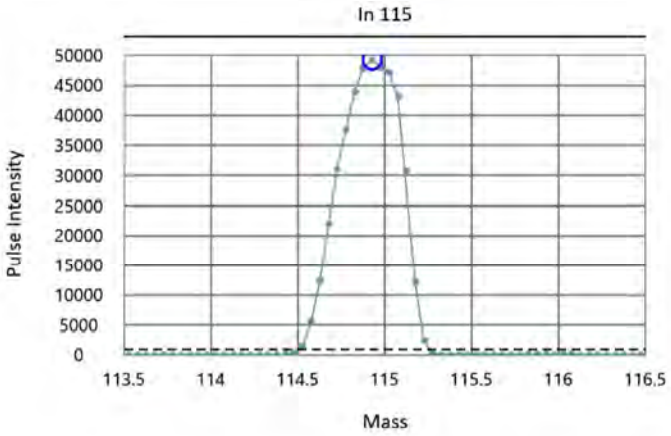
Acq. Date/Time: 10/26/2021 8:19:32 AM

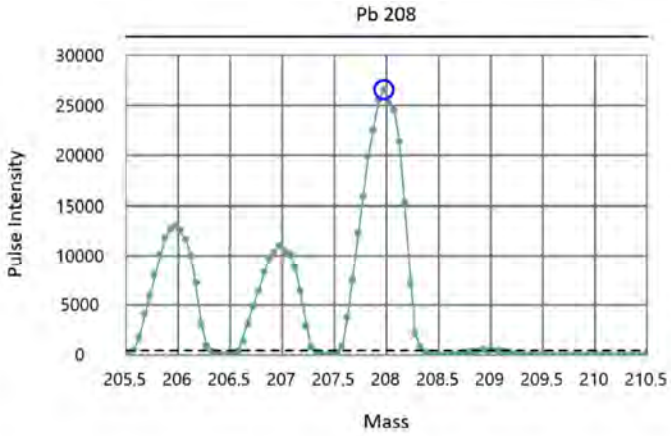
Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

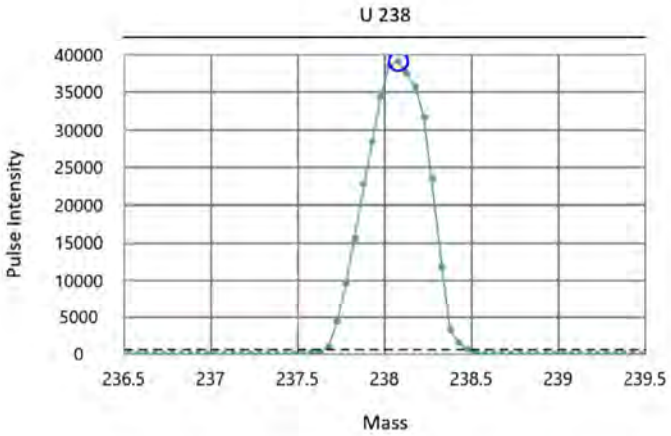
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1329	2022	0.705	
Mg	23.985	23.975	4708	2023	0.708	
In	114.904	114.925	22856	2041	0.688	
Pb	207.977	207.975	41423	2060	0.724	
U	238.05	238.075	47421	2067	0.726	











SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Start Time: 10/27/2021 8:10:30 AM
End Time: 10/27/2021 8:12:53 AM

Lab Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 9208.23
Obtained Intensity (Mg 24): 61839.76
Obtained Intensity (In 115): 60574.50
Obtained Intensity (U 238): 43556.99
Obtained Intensity (Bkgd 220): 0.13
Obtained Formula (CeO 156 / Ce 140): 0.029 (=1998.81 / 68459.99)
Obtained Formula (Ce++ 70 / Ce 140): 0.021 (=1413.00 / 68459.99)
Obtained RSD (Be 9): 0.0118
Obtained RSD (Mg 24): 0.0257
Obtained RSD (In 115): 0.0132
Obtained RSD (U 238): 0.0200

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FA_SmartTune Daily.swz

Optimization Status

Start Time: 10/27/2021 8:10:30 AM

Lab Performance Check

Optimization Settings:

Method: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\FA_Daily Performance.mth.
Intensity Criterion: Be 9 > 2000
Intensity Criterion: Mg 24 > 15000
Intensity Criterion: In 115 > 40000
Intensity Criterion: U 238 > 30000
Intensity Criterion: Bkgd 220 <= 5
Formula Criterion: CeO 156 / Ce 140 <= 0.03
Formula Criterion: Ce++ 70 / Ce 140 <= 0.05
RSD Criterion: Be 9.0122 < 0.05
RSD Criterion: Mg 23.985 < 0.05
RSD Criterion: In 114.904 < 0.05
RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try

Obtained Intensity (Be 9): 9208.23
Obtained Intensity (Mg 24): 61839.76
Obtained Intensity (In 115): 60574.50
Obtained Intensity (U 238): 43556.99
Obtained Intensity (Bkgd 220): 0.13
Obtained Formula (CeO 156 / Ce 140): 0.029 (=1998.81 / 68459.99)
Obtained Formula (Ce++ 70 / Ce 140): 0.021 (=1413.00 / 68459.99)
Obtained RSD (Be 9): 0.0118
Obtained RSD (Mg 24): 0.0257
Obtained RSD (In 115): 0.0132
Obtained RSD (U 238): 0.0200

[Passed] Optimum value(s): N/A

End Time: 10/27/2021 8:12:53 AM

Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.711)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.707)
Target/Obtained mass (114.904/114.875), Target/Obtained resolution (0.7/0.682)
Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.713)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.707)

Acq. Date/Time: 10/27/2021 7:58:24 AM

Sent to file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res DAC	Meas. Peak Width	Custom Res
Li	7.016	7.025	1330	2022	0.711	
Mg	23.985	23.975	4706	2023	0.707	
In	114.904	114.875	22850	2041	0.682	
Pb	207.977	207.975	41422	2060	0.713	
U	238.05	238.075	47425	2067	0.707