Post-Construction Compliance Monitoring Report – Year 1

Seventh Avenue Service
Seattle, Washington
Facility Site ID: 99187287
Cleanup Site ID: 11348

for
Washington State Department of Ecology
on Behalf of 701 S Jackson QOZB, LLC

January 14, 2026

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Seventh Avenue Service
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Facility Site ID: 99187287
Cleanup Site ID: 11348

File No. 24504-001-04
January 14, 2026

Prepared for:

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1.0 Introduction

This report presents the results of post-construction compliance groundwater and soil vapor monitoring completed by 701 S Jackson QOZB, LLC (South Jackson QOZB [formerly South Jackson Partners, LLC]) for the Seventh Avenue Service Site (Site) located at 701 South Jackson Street in Seattle, Washington. In accordance with the *Draft Post-Construction Compliance Monitoring Plan* (*Draft CMP*; GeoEngineers 2024a) and as required by Washington State Department of Ecology (Ecology) in an email correspondence dated August 13, 2024, post-construction compliance groundwater and sub-slab soil vapor monitoring was completed by South Jackson QOZB to document Site conditions following completion of the Ecology selected cleanup action (Ecology 2022a).

This report has been prepared to describe the post-construction compliance groundwater and sub-slab soil vapor monitoring activities completed. The results of the groundwater sampling and analysis confirm that residual soil contamination remaining in place beneath portions of the 7th Avenue South and South Jackson Street rights-of-way (ROW) beyond the Property boundaries (i.e., cleanup action area) is not adversely impacting groundwater in the vicinity of the Site. Additionally, sub-slab soil vapor sampling and analysis confirm a low risk for vapor intrusion from the residual soil contamination remaining in the ROWs to future occupants of the planned mixed-use commercial and residential building planned for the 701 South Jackson Street Property[1].

The Site is shown relative to the surrounding area in Figure 1. Post-construction groundwater and sub-slab soil vapor monitoring locations are shown relative to the Site and Property boundary in Figure 2. Post-construction compliance groundwater and soil vapor monitoring activities and chemical analytical results are summarized in the following sections.

2.0 Background Information

2.1 SITE LOCATION AND DESCRIPTION

The Property (source of petroleum-related contamination) is located at 701/709 South Jackson Street within the Chinatown-International District neighborhood of Seattle, Washington. The Property is bounded by South Jackson Street to the north, 7th Avenue South to the west, a mixed-use retail and apartment building (currently vacant) to the south and a restaurant building (formerly House of Hong) to the east (Figure 2).

Until June 2023, the Property contained two single-story structures, including a former gasoline station building in the northwestern portion and an "L"-shaped automobile repair garage along the east and south Property boundaries and paved parking and drive areas. A small building used as a storage room for "New Century Tea Gallery" historically was located on the southwestern corner of the Property. These structures were demolished and removed from the Property in 2023 in conjunction with the initial phase of Property redevelopment. A second phase of Property redevelopment, anticipated to begin in the spring/summer of 2026 will include the construction of a new eight-story building with affordable housing and ground level commercial retail space.

[1] Construction of the new mixed-use building is anticipated to begin in the spring/summer of 2026.

2.2 REGULATORY FRAMEWORK

In accordance with the *Cleanup Action Plan* (*CAP*; Ecology 2022a), and Sections B.1 through B.5 of Exhibit D – Schedule of Deliverables of the Perspective Purchaser Consent Decree (PPCD), a phased approach is being implemented by South Jackson QOZB for the cleanup action at the Site. The initial phase of the cleanup action was completed between June and August 2023 and included the Property-line to Property-line remedial excavation to depths ranging between approximately 15 and 20 feet below ground surface (bgs; approximately Elevation 85 to 78 feet[2]). Based on the field screening observations and results of confirmation soil samples collected at the final remedial excavation limits, the initial phase of the cleanup action resulted in a full removal of soil contamination within the Property boundary. Remedial excavation activities and the results of confirmational sampling completed to verify compliance with the cleanup action objectives (CAOs) established by the *CAP* during the initial phase of the cleanup action are summarized in the *Cleanup Action Report* (GeoEngineers 2024b).

The second phase of the cleanup action will be completed in conjunction with the new building construction and will establish engineering controls to prevent direct-contact with the residual soil contamination remaining in the ROWs adjacent to the Property, limit stormwater infiltration that could lead to contaminant migration through the soil column toward the deep regional groundwater unit located beneath the Site and mitigate for the potential of vapor intrusion into the new building. Institutional controls in the form of an Environmental Covenant, once established, will restrict activities that could disturb the residual soil contamination remaining in place and restrict activities that could create preferential pathways for potential vapor migration into the new building.

3.0 Post-Construction Compliance Monitoring

In advance of completing the second phase of the cleanup action, Ecology required that South Jackson QOZB perform groundwater monitoring and sub-slab soil vapor monitoring activities to document Site conditions following completion of the 2023 Cleanup Action. Post-construction compliance monitoring completed for the Site is further discussed below.

3.1 COMPLIANCE GROUNDWATER MONITORING PROGRAM

The post-construction compliance groundwater monitoring program includes both performance monitoring and long-term monitoring. Performance monitoring as described by this report included the collection of groundwater samples from Site monitoring wells on a quarterly basis until four consecutive groundwater sampling events indicated contaminant concentrations were less than the cleanup levels established by the *CAP*. Long-term monitoring will be initiated following Ecology's determination that the performance monitoring activities are completed and will include the collection of groundwater samples from Site monitoring wells on an annual basis until the first 5-year Periodic Review or as otherwise determined by Ecology.

[2] Elevations in this document are referenced to North American Vertical Datum 1988 (NAVD88).

The following sections describe the performance groundwater monitoring activities completed by South Jackson QOZB to evaluate the effectiveness of the 2023 Cleanup Action.

3.1.1 Performance Groundwater Monitoring Schedule

Performance groundwater monitoring was completed on a quarterly basis during the following four events:

- Event 1 – Completed on August 20, 2024
- Event 2 – Completed on November 26, 2024
- Event 3 – Completed February 20, 2025
- Event 4 – Completed May 12, 2025

The sampling locations, procedures and chemical analysis completed during each monitoring event are summarized in the following sections. The schedule for future monitoring will be determined by Ecology.

3.1.2 Groundwater Monitoring Well Network

Monitoring wells used to evaluate post-construction groundwater conditions are shown in Figure 2. Monitoring wells GEI-11 and GEI-12 are located within 7th Avenue South and are positioned west of the Property to evaluate groundwater conditions downgradient of the 2023 Cleanup Action area. Monitoring well GEI-13 is located within South Jackson Street and is positioned north of the Property to evaluate groundwater conditions upgradient of the 2023 Cleanup Action area. Well completion details for GEI-11 through GEI-13 are presented in Appendix A and summarized in Table 1.

3.1.3 Groundwater Sampling and Analysis

Sampling and analysis for each performance monitoring event were completed in accordance with the *Draft CMP* as authorized by Ecology in their August 13, 2024 email correspondence. Prior to sampling, groundwater levels were measured from the top of each surveyed well casing rim to the nearest 0.01 foot using a decontaminated electric water level indicator (e-tape). Measured water levels for each performance monitoring event are summarized in Table 2.

Groundwater samples for chemical analysis were collected using low-flow/low-turbidity sampling techniques during each monitoring event to minimize the suspension of sediment in the groundwater samples collected. Using a submersible pump with flow controller, groundwater was purged from each monitoring well at a rate not exceeding 0.5 liter per minute through disposable polyethylene tubing with the end positioned in the well at the approximate midpoint of the screened interval.

A YSI Pro series (or similar) water quality meter with flow-through-cell was used to monitor the following parameters during purging:

- Acidity (pH);
- Electrical conductivity (EC);
- Turbidity;
- Dissolved oxygen (DO);
- Temperature; and
- Oxygen reduction potential (ORP).

Groundwater samples were collected when these parameters were observed to vary by less than 10 percent on three consecutive measurements. The stabilized field measurements at each well for each of the monitoring events are summarized in Table 2. Groundwater samples collected from the monitoring wells were submitted to Alliance Technical Group in Seattle, Washington (Alliance; Ecology-accredited laboratory), for the following chemical analysis:

- Gasoline-range total petroleum hydrocarbons by Ecology Method NWTPH-Gx.
- Diesel- and heavy oil-range total petroleum hydrocarbons by Ecology Method NWTPH-Dx.
- Benzene, toluene, ethylbenzene and xylenes (BETX) by United States Environmental Protection Agency (EPA) Method 8260.
- Naphthalenes by EPA Method 8270.

In addition to the Site contaminants listed above, Ecology in their email correspondence also required the following chemical analysis for consistency with Table 830-1 of WAC 173-340-900:

- Volatile organic compounds (VOCs) including, 1,2-dibromoethane (EDB), 1,2-dichloroethane (EDC) and methyl t-butyl ether (MTBE) by EPA Method 8260.
- Total and dissolved lead by EPA Method 6020.

3.1.3.1 QUALITY CONTROL/QUALITY ASSURANCE

Laboratory data reports for each quarterly groundwater monitoring event are presented in Appendix B. An EPA-defined Stage 2B validation (EPA Document 540-R-08-005; EPA 2009) was completed on the laboratory data. A copy of the laboratory data validation report is presented in Appendix C. Based on the results of the Stage 2B validation; the data were determined to be acceptable for their intended use as qualified.

3.1.3.2 INVESTIGATION DERIVED WASTE

Purge and decontamination water generated by the groundwater monitoring activities was collected and placed in a labeled and secured 55-gallon drum on Site pending transport to a permitted disposal facility. Incidental waste generated during sampling activities included items such as gloves, plastic sheeting, sample tubing, paper towels and similar expended and discarded field supplies. These materials were considered *de minimis* and were transferred from the Site for landfill disposal via dumpster or trash receptacle at a GeoEngineers office.

3.1.3.3 DEVIATIONS FROM THE GROUNDWATER MONITORING PROGRAM

Deviations to the groundwater monitoring program, as described above included the following:

- A VOC trip blank sample was not submitted and analyzed with the groundwater samples during the November 26, 2024 compliance monitoring event. The subsequent analysis of the groundwater samples for VOCs did not identify analytes at concentrations greater than the laboratory reporting limits, which were less than the applicable MTCA cleanup levels. Although a VOC trip blank sample was not submitted for the November 26, 2024 monitoring event, the quality assurance/quality control (QA/QC) review for other sampling events did not identify trip blank contamination. Because groundwater samples collected for each monitoring event utilized similar procedures, the potential for trip blank

contamination is low, therefore, the November 26, 2024 groundwater data were assumed to be acceptable for their intended use without additional qualification.

Other deviations from the groundwater monitoring program were not observed.

3.1.4 Post-Construction Groundwater Conditions

3.1.4.1 GROUNDWATER FLOW AND DIRECTION

Groundwater elevations measured during each quarterly monitoring event are presented in Table 2. Groundwater gradients and flow direction for each monitoring event are shown in Figures 3 through 6.

Measured groundwater elevations ranged between 34.18 to 36.47 feet during the post-construction performance groundwater monitoring events. Based on the average measured quarterly post-construction groundwater elevations, the predominant groundwater flow direction is to the southwest.

3.1.4.2 CHEMICAL ANALYTICAL RESULTS

Chemical analytical results for each quarterly performance groundwater monitoring event are presented in Table 3 and are shown in Figures 3 through 6.

The following summarize the groundwater compliance monitoring results by well location:

- **GEI-11** – Contaminants listed above either were not detected or were detected at a concentration less than their corresponding groundwater cleanup level.
- **GEI-12** – Contaminants listed above either were not detected or were detected at a concentration less than their corresponding groundwater cleanup level.
- **GEI-13** – Contaminants listed above either were not detected or were detected at a concentration less than their corresponding groundwater cleanup level.

The laboratory reporting limit for each contaminant of concern (COC) during each performance groundwater monitoring event was less than their corresponding cleanup level.

3.2 SOIL VAPOR MONITORING PROGRAM

In accordance with the *Guidance for Evaluating Vapor Intrusion in Washington State* (Ecology 2022b), Ecology required that sub-slab soil vapor monitoring be conducted post-construction to evaluate the potential vapor intrusion risk to occupants of the future building from residual soil contamination remaining within the 7th Avenue South and South Jackson Street ROWs adjacent to the Property. Soil vapor monitoring as described by this report included the collection of sub-slab soil vapor samples from permanent vapor pins (VP-1 and VP-2) installed within the 7th Avenue ROW along the western Property boundary (Figure 2). Sub-slab soil vapor sampling and analysis was completed concurrently with the second and fourth quarterly performance groundwater monitoring events to document Site conditions and to account for potential seasonal variations. Additionally, sub-slab soil vapor sampling and analysis was completed to evaluate whether detected concentrations (if detected) pose a risk for vapor intrusion into the newly planned building and whether a vapor barrier is required to protect occupants of the new building from exposure.

The following sections describe the semi-annual soil vapor monitoring activities completed by South Jackson QOZB to evaluate potential risk for vapor intrusion.

3.2.1 Soil Vapor Monitoring Schedule

Post-construction soil vapor monitoring was completed on a semi-annual basis during the following two events:

- Event 1 – Completed on November 26, 2024
- Event 2 – Completed from May 12 to 19, 2025

The sampling locations, procedures and chemical analysis for the post-construction soil vapor monitoring activities are summarized in the following sections. The schedule for future monitoring will be determined by Ecology.

3.2.2 Post-Construction Soil Vapor Sampling Points

Soil vapor samples were collected from permanent sub-slab vapor pins (VP-1 and VP-2) installed within the hardscape of the 7th Avenue ROW, along the western Property boundary. The locations of vapor pins VP-1 and VP-2 are shown in Figure 2.

3.2.3 Soil Vapor Sampling and Analysis

Sampling and analysis for each semi-annual monitoring event were completed in accordance with the *Draft CMP* as authorized by Ecology in their August 13, 2024 email correspondence. During each monitoring event, soil vapor samples were collected using a selective ion monitoring (SIM)-certified 30-minute flow controller and contained in a 1-liter SIM-certified Summa canister. Each Summa canister was securely capped and labeled upon collection. A disposable section of ¼-inch polyethylene tubing was utilized to connect the SIM-certified Summa canister to the barbed fitting located at the top of each vapor pin. During sample collection, a leak test using helium was performed on each vapor sample. Following sample collection, the tubing was removed, barbed fitting capped and flush-mount cover returned and secured.

Soil vapor samples collected from the vapor pins were submitted to Alliance for the following chemical analysis:

- Petroleum equivalent carbon (EC) fractions including EC5-8 (aliphatics), EC9-12 (aliphatics) and EC9-10 (aromatics) by Modified TO-15 Air-Phase Petroleum Hydrocarbon (APH) analysis.
- BETX and naphthalene by EPA Method TO-15.
- Helium by Modified ASTM D-1496.

3.2.3.1 QUALITY CONTROL/QUALITY ASSURANCE

Laboratory data reports for each semi-annual soil vapor monitoring event are presented in Appendix B. An EPA-defined Stage 2B validation (EPA Document 540-R-08-005; EPA 2009) was completed on the laboratory data. A copy of the laboratory data validation report is presented in Appendix C. Based on the results of the Stage 2B validation; the data were determined to be acceptable for their intended use as qualified.

3.2.3.2 INVESTIGATION DERIVED WASTE

Incidental waste generated during sampling activities included items such as gloves, sample tubing, paper towels and similar expended and discarded field supplies. These materials were considered *de minimis* and were transferred from the Site for landfill disposal via dumpster or trash receptacle at a GeoEngineers office.

3.2.3.3 DEVIATIONS FROM THE COMPLIANCE SOIL VAPOR MONITORING PROGRAM

Deviations to the soil vapor monitoring program, as described above include the following:

- Due to laboratory error, helium analysis was not performed on the samples submitted for analysis during the November 26, 2024 monitoring event. Based on the detected concentrations of benzene and toluene in the analyzed samples, the sub-slab sampling activities were considered effective in documenting the sub-slab soil vapor conditions. Therefore, additional action was not considered to be necessary for the initial November 26, 2024 soil vapor monitoring event.
- As a result of observed damage to vapor pin VP-1, a new vapor pin (VP-1A) was installed adjacent to previously installed vapor pin VP-1 on May 16, 2025. Subsequent sampling of the newly installed vapor pin was conducted on May 19, 2025. The concrete borehole for vapor pin VP-1 was subsequently infilled with concrete to cap this location.

Other deviations from the soil vapor monitoring program were not observed.

3.3 POST-CONSTRUCTION SOIL VAPOR CONDITIONS

3.3.1 Chemical Analytical Results

The results of the post-construction sub-slab soil vapor monitoring are presented in Table 4 and are summarized below:

- **VP-1/1A** – Contaminants listed above either were not detected or were detected at concentrations less than their corresponding sub-slab soil gas screening level.
- **VP-2** – Contaminants listed above either were not detected or were detected at concentrations less than their corresponding sub-slab soil gas screening level.

The laboratory reporting limit for each contaminant of concern (COC) during each monitoring event was less than their corresponding sub-slab soil gas screening level.

4.0 Performance Groundwater and Soil Vapor Monitoring Summary

Performance groundwater monitoring and sub-slab soil vapor monitoring was completed in accordance with the *Draft CMP* as authorized by Ecology in their August 13, 2024 email correspondence to evaluate post-construction Site conditions relative to the residual soil contamination remaining in-place beneath portions of the 7th Avenue South and South Jackson Street ROW beyond the Property boundary. The results of the performance groundwater monitoring activities indicate that contaminant concentrations were less than the MTCA cleanup level for unrestricted land use for four consecutive quarters. As a result, additional performance groundwater monitoring at the Site is not warranted and that long-term confirmational groundwater monitoring may be initiated on an annual basis until the first 5-year periodic review by Ecology.

In addition, the results of the soil vapor monitoring indicate that contaminants either were not detected or were detected at concentrations less than their corresponding sub-slab soil gas screening levels during each semi-annual monitoring event. These data indicate that the residual soil contamination remaining in place beneath portions of the 7th Avenue South and South Jackson Street ROW do not pose a risk for vapor intrusion into the newly planned building. Based on the results of these data, South Jackson QOZB will coordinate with Ecology as to whether a vapor barrier as described in the *CAP* is warranted as a mitigation measure to protect occupants of the new building against vapor intrusion and inhalation of contaminant vapors.

5.0 Limitations

This report has been prepared for the exclusive use of South Jackson QOZB, their authorized agents and regulatory agencies, in their evaluation of the Seventh Avenue Service Site located in Seattle, Washington. No other party may rely on the product of our services unless we agree in advance and in writing to such reliance.

Any electronic form, facsimile or hard copy of the original document (email, text, table and/or figure), if provided, and any attachments are only a copy of the original document. The original document is stored by GeoEngineers, Inc. and will serve as the official document of record.

6.0 Reference

GeoEngineers, Inc. (GeoEngineers), 2024a. Draft Post-Construction Compliance Monitoring Plan, 701/709 South Jackson Street, Seattle, Washington. Prepared for Washington State Department of Ecology on Behalf of 701 S Jackson QOZB. GEI File No. 24504-001-04. November 4, 2024.

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Tables

Table 1

Monitoring Well Completion Details

Seventh Avenue Service

Seattle, Washington

Monitoring Well[1]	Date Installed	Installed By	Ecology Well Identification	Ground Elevation[2] (ft)	Top of Casing Elevation (ft)	Bottom of Casing Elevation (ft)	Total Well Depth (ft bgs)	Screen Interval (ft bgs)	Well Casing and Screen Specifications[3]	Monitoring Well Coordinates (Latitude/Longitude)
GEI-11	04/06/22	GeoEngineers	BNC-885	93.18	92.68	22.68	70	60.0 - 70.0	2-Inch Diameter Schedule 40 PVC Well Casing and Screen with 0.010-Inch Slot Width	47.598851 -122.323695
GEI-12	04/05/22	GeoEngineers	BNC-886	97.58	97.08	22.08	75	65.0 - 75.0	2-Inch Diameter Schedule 40 PVC Well Casing and Screen with 0.010-Inch Slot Width	47.599017 -122.323695
GEI-13	06/06/24	GeoEngineers	BPW-535	102.54	102.02	27.54	75	65.0 - 75.0	2-Inch Diameter Schedule 40 PVC Well Casing and Screen with 0.010-Inch Slot Width	47.599083 -122.323348

Notes:

[1] Monitoring well locations are shown in Figure 2.

[2] Elevation referenced to North American Vertical Datum 1988 (NAVD88).

[3] Monitoring wells were installed using hollow-stem auger (HSA) drilling methods.

ft = feet

bgs = below ground surface

PVC = polyvinyl chloride

Table 2

Post-Construction Groundwater Elevation and Field Measured Parameters

Seventh Avenue Service

Seattle, Washington

Groundwater Monitoring Well[1]	Groundwater Monitoring Event	Date Sampled	Top of Casing Elevation[2] (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	pH	Specific Conductance (mS/cm)	Temperature (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)
GEI-11	Round 1	08/20/24	92.68	58.00	34.68	7.40	0.914	17.0	1.46	40.0	20.0
	Round 2	11/26/24		58.50	34.18	7.28	0.852	14.9	1.68	85.4	6.7
	Round 3	02/20/25		58.18	34.50	7.21	0.732	14.9	1.66	178.5	7.8
	Round 4	05/14/25		57.21	35.47	7.60	0.926	15.1	1.95	-282.8	22.0
GEI-12	Round 1	08/20/24	97.08	61.60	35.48	7.31	0.870	17.4	0.41	38.0	2.4
	Round 2	11/26/24		61.92	35.16	7.25	0.799	15.8	0.40	110.8	18.9
	Round 3	02/20/25		61.73	35.35	7.13	0.683	14.9	1.55	174.1	6.7
	Round 4	05/14/25		61.29	35.79	7.52	0.860	14.9	0.77	-418.2	21.8
GEI-13	Round 1	08/20/24	102.54	66.19	36.35	7.28	0.840	17.0	2.70	43.2	4.1
	Round 2	11/26/24		66.63	35.91	7.21	0.780	15.4	3.44	124.4	3.9
	Round 3	02/20/25		66.42	36.12	7.11	0.663	14.4	3.26	173.7	5.0
	Round 4	05/14/25		66.07	36.47	7.48	0.846	14.6	3.43	-206.8	3.7

Notes:

[1] Monitoring well locations shown in Figure 2.

[2] Elevation referenced to North American Vertical Datum 1988 (NAVD88).

°C = degree Celsius

ft = feet

g/L = grams per liter

mg/L = milligrams per liter

mV = millivolt

NTU = Nephelometric Turbidity Unit

ORP = oxidation/reduction potential

ppt = parts per thousand

mS/cm = milli- Siemens per centimeter

– = not measured

Table 3

Post-Construction Groundwater Chemical Analytical Data

Seventh Avenue Service

Seattle, Washington

Sample Location[1]	Groundwater Monitoring Event	Sample Identification	Sample Date	Units	Petroleum Hydrocarbons[2]				VOCs[3]							Metals[4]		PAHs[5]		
					Gasoline-Range	Diesel-Range	Heavy Oil-Range	Total Diesel/Heavy Oil-Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	1,2- Dibromoethane (EDB)	1,2- Dichloroethane (EDC)	Methyl tert-butyl ether (MTBE)	Total Lead	Dissolved Lead	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene
GEI-11	Q1	GEI-11-082024	08/20/24	µg/L	100 U	91.9 U	138 U	230 U	0.20 U	0.50 U	0.50 U	1.0 U	0.00985 U	0.20 U	0.50 U	0.30 U	0.30 U	0.0949 U	0.0949 U	0.0949 U
	Q2	GEI-11-112624	11/26/24	µg/L	50 U	96.9 U	145 U	242 U	0.10 U	0.20 U	0.10 U	0.20 U	0.010 U	0.10 U	0.10 U	0.30 U	0.30 U	**0.144**	**0.192**	0.0958 U
	Q3	GEI-11-022025	02/20/25	µg/L	50 U	95.7 U	144 U	239 U	0.10 U	0.10 U	0.10 U	0.20 U	0.010 U	0.20 U	0.10 U	0.30 U	0.30 U	0.0959 U	0.0959 U	0.0959 U
	Q4	GEI-11-051225	05/12/25	µg/L	50 U	92.8 U	139 U	232 U	0.10 U	0.10 U	0.10 U	0.20 U	0.010 U	0.20 U	0.10 U	0.30 U	0.30 U	0.0910 U	0.0910 U	0.0910 U
GEI-12	Q1	GEI-12-082024	08/20/24	µg/L	100 U	92.1 U	138 U	230 U	0.20 U	0.50 U	0.50 U	1.0 U	0.00953 U	0.20 U	0.50 U	0.30 U	0.30 U	0.0935 U	0.0935 U	0.0935 U
	Q2	GEI-12-112624	11/26/24	µg/L	50 U	96.1 U	144 U	240 U	0.10 U	0.20 U	0.10 U	0.20 U	0.010 U	0.10 U	0.10 U	**0.491**	0.30 U	0.0952 U	0.0952 U	0.0952 U
	Q3	GEI-12-022025	02/20/25	µg/L	50 U	96.4 U	145 U	241 U	0.10 U	0.10 U	0.10 U	0.20 U	0.010 U	0.20 U	0.10 U	0.30 U	0.30 U	0.0965 U	0.0965 U	0.0965 U
	Q4	GEI-12-051225	05/12/25	µg/L	50 U	92.8 U	139 U	232 U	0.10 U	0.10 U	0.10 U	0.20 U	0.010 U	0.20 U	0.10 U	0.30 U	0.30 U	0.0931 U	0.0931 U	0.0931 U
GEI-13	Q1	GEI-13-082024	08/20/24	µg/L	100 U	93.3 U	140 U	233 U	0.20 U	0.50 U	0.50 U	1.0 U	0.00984 U	0.20 U	0.50 U	0.30 U	0.30 U	0.0939 U	0.0939 U	0.0939 U
	Q2	GEI-13-112624	11/26/24	µg/L	50 U	99.4 U	149 U	248 U	0.10 U	0.20 U	0.10 U	0.20 U	0.010 U	0.10 U	0.10 U	0.30 U	0.30 U	0.0952 U	0.0952 U	0.0952 U
	Q3	GEI-13-022025	02/20/25	µg/L	50 U	**164** [6]	142 U	236 U	0.10 U	0.10 U	0.10 U	0.20 U	0.010 U	0.20 U	0.10 U	0.30 U	0.30 U	0.0961 U	0.0961 U	0.0961 U
	Q4	GEI-13-051225	05/12/25	µg/L	50 U	94.1 U	141 U	235 U	0.10 U	0.10 U	0.10 U	0.20 U	0.010 U	0.20 U	0.10 U	0.30 U	0.30 U	0.0937 U	0.0937 U	0.0937 U
GEI-13 (Duplicate)	Q1	DUP-082024	08/20/24	µg/L	100 U	92.8 U	139 U	232 U	0.20 U	0.50 U	0.50 U	1.0 U	0.00911 U	0.20 U	0.50 U	0.30 U	0.30 U	0.0931 U	0.0931 U	0.0931 U
	Q2	DUP-112624	11/26/24	µg/L	50 U	103 U	154 U	257 U	0.10 U	0.20 U	0.10 U	0.20 U	0.010 U	0.10 U	0.10 U	0.30 U	0.30 U	0.0965 U	0.0965 U	0.0965 U
	Q3	DUP-022025	02/20/25	µg/L	50 U	**264** [6]	141 U	**264** [6]	0.10 U	0.10 U	0.10 U	0.20 U	0.010 U	0.20 U	0.10 U	0.30 U	0.30 U	0.0962 U	0.0962 U	0.0962 U
	Q4	DUP-051225	05/12/25	µg/L	50 U	95.5 U	143 U	239 U	0.10 U	0.10 U	0.10 U	0.20 U	0.010 U	0.20 U	0.10 U	0.30 U	0.30 U	0.0925 U	0.0925 U	0.0925 U
MTCA Method A/B Cleanup Level[7]				**µg/L**	**800**	**500**		**500**	**5**	**1,000**	**700**	**1,000**	**0.01**	**5**	**20**	**15**	**15**	**160**	**32**	**560**

Notes:

[1] Approximate sample locations are shown in Figure 2.

[2] Petroleum hycrocarbons analyzed by NWTPH-Gx/Dx Methods.

[3] Volatile Orgnic Compounds (VOCs) analized by EPA Method 8260D/8011.

[4] Metals analyzed by EPA Method 6020B.

[5] Polycyclic aromatic hydrocrabons (PAHs) analyzed by EPA 8270E/SIM.

[6] Chromatographic pattern indicates an unresolved complex mixture, which may be weathered and/or organic material. Detection is biased high due to non-petroleum compounds.

[7] Washington State Model Toxic Control Act Cleanup Regulation (MTCA) Method A Groundwater Cleanup Levels. MTCA Method B cleanup level used when Method A cleanup level has not been established.

µg/L = micrograms per liter

NWTPH = Northwest Total Petroleum Hydrocarbon

EPA = United States Environmental Protection Agency

U = chemical of concern not detected greater than the laboratory reporting limit shown

-- = not analyzed

Bold indicates analyte was detected.

Table 4

Post-Construction Soil Vapor Chemical Analytical Data

Seventh Avenue Service

Seattle, Washington

Sample Location[1]	CAS Number	VP-1/1A		VP-2		Sub-Slab Soil Gas Screening Level[2]	
Sample Identification		VP-1-112624	VP-1-051925	VP-2-112624	VP-2-051225		
Sample Date		11/26/24	05/19/25	11/26/24	05/12/25	Non-Cancer	Cancer
Helium by Modified ASTM D-1496							
Helium (percent)	--	--[3]	0.300 U	--[3]	0.400 U	NE	NE
Petroleum Hydrocarbons by Modified TO-15 (µg/m^3)							
Aliphatic Hydrocarbons (EC5-8)	--	105.7 U	**178.6**	105.7 U	**61.7**	NE	NE
Aliphatic Hydrocarbons (EC9-12)	--	70.5 U	**176.6**	70.5 U	**121**	NE	NE
Aromatic Hydrocarbons (EC9-10)	--	21.2 U	21.2 U	21.2 U	7.55 U	NE	NE
Total Petroleum Hydrocarbons (TPH)	--	105.7 U	**355.2**	105.7 U	**182.7**	1,500	NE
Volatile Organic Compounds (VOCs) by TO-15 (µg/m^3)							
Benzene	71-43-2	**0.904**	**0.312**	**0.607**	**1.03**	460	11
Toluene	108-88-3	**11.57**	7.54 U	7.54 U	7.54 U	76,000	NE
Ethylbenzene	100-41-4	8.68 U	8.68 U	8.68 U	8.68 U	15,000	NE
Xylenes	1330-20-7	17.37 U	17.4 U	17.37 U	17.4 U	1,500	NE
Naphthalene	91-20-3	0.29 U	0.29 U	0.29 U	0.29 U	46	2.5

Notes:

[1] Soil vapor pin locations shown on Figure 2.

[2] Washington State Model Toxic Control Act Cleanup Regulation (MTCA) Method B soil gas screening level.

[3] Helium was not analyzed by the laboratory prior to sample disposal in error.

µg/m^3 = micrograms per cubic meter

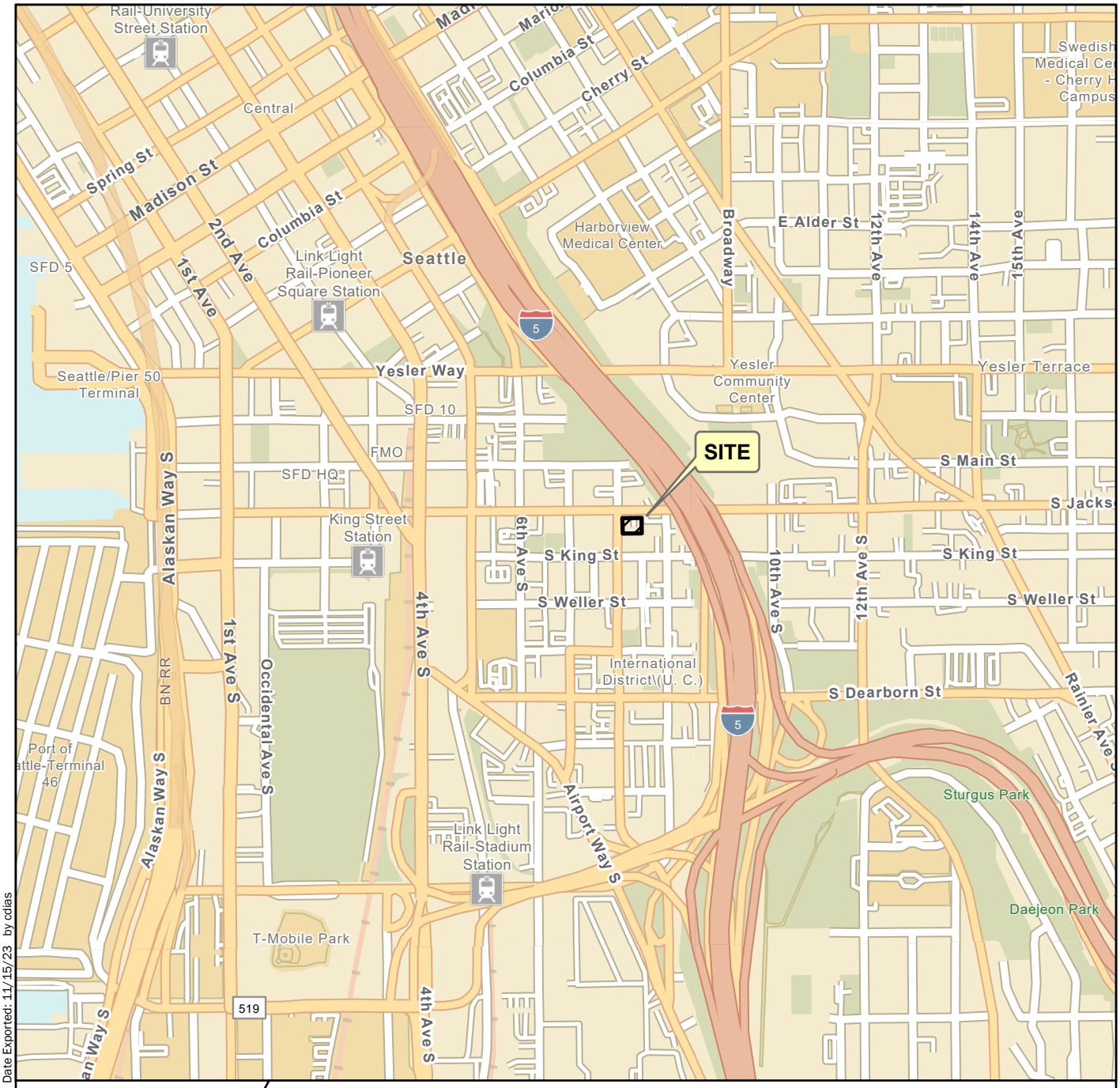
NE = not established

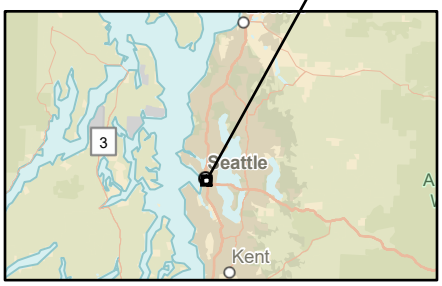
-- = not analyzed

U = chemical of concern not detected greater than the laboratory reporting limit shown

Bold indicates analyte was detected.

Figures





N

0 1,000

Feet

Vicinity Map

Seventh Avenue Service
Seattle, Washington

GeoEngineers

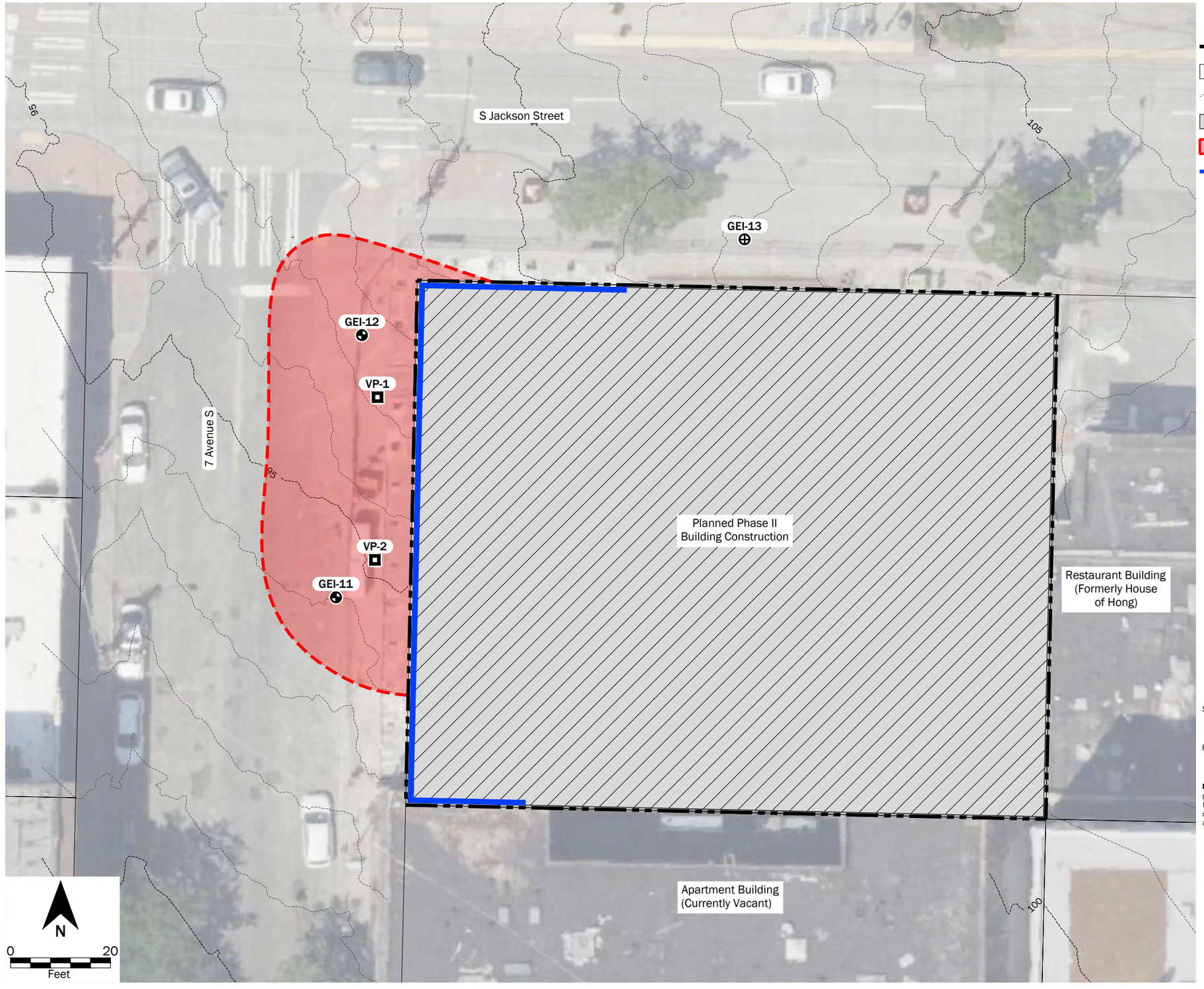
Figure 1

Source(s):
- ESRI

Coordinate System: NAD 1983 UTM Zone 10N

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P:\24\24504001\GIS\24504001_Project\24504001_Project.aprx\VicinityMap Date Exported: 11/15/23 by cdias



Legend

- Property Boundary
- Parcel Boundary
- Topographic Contour (Feet, NAVD88)
- Property Redevelopment Area
- Extent of Residual Soil Contamination
- Vapor Barrier (Planned Extent)
- Monitoring Well
- Soil Vapor Pin

Source(s):

- Aerial from Microsoft Bing, 2025
- LiDAR from Puget Sound Lidar Consortium dated 2016

Projection:

- Horizontal - WA State Plane, North Zone, North American Datum 1983 (NAD83), US Foot
- Vertical - North American Vertical Datum 1988 (NAVD88)

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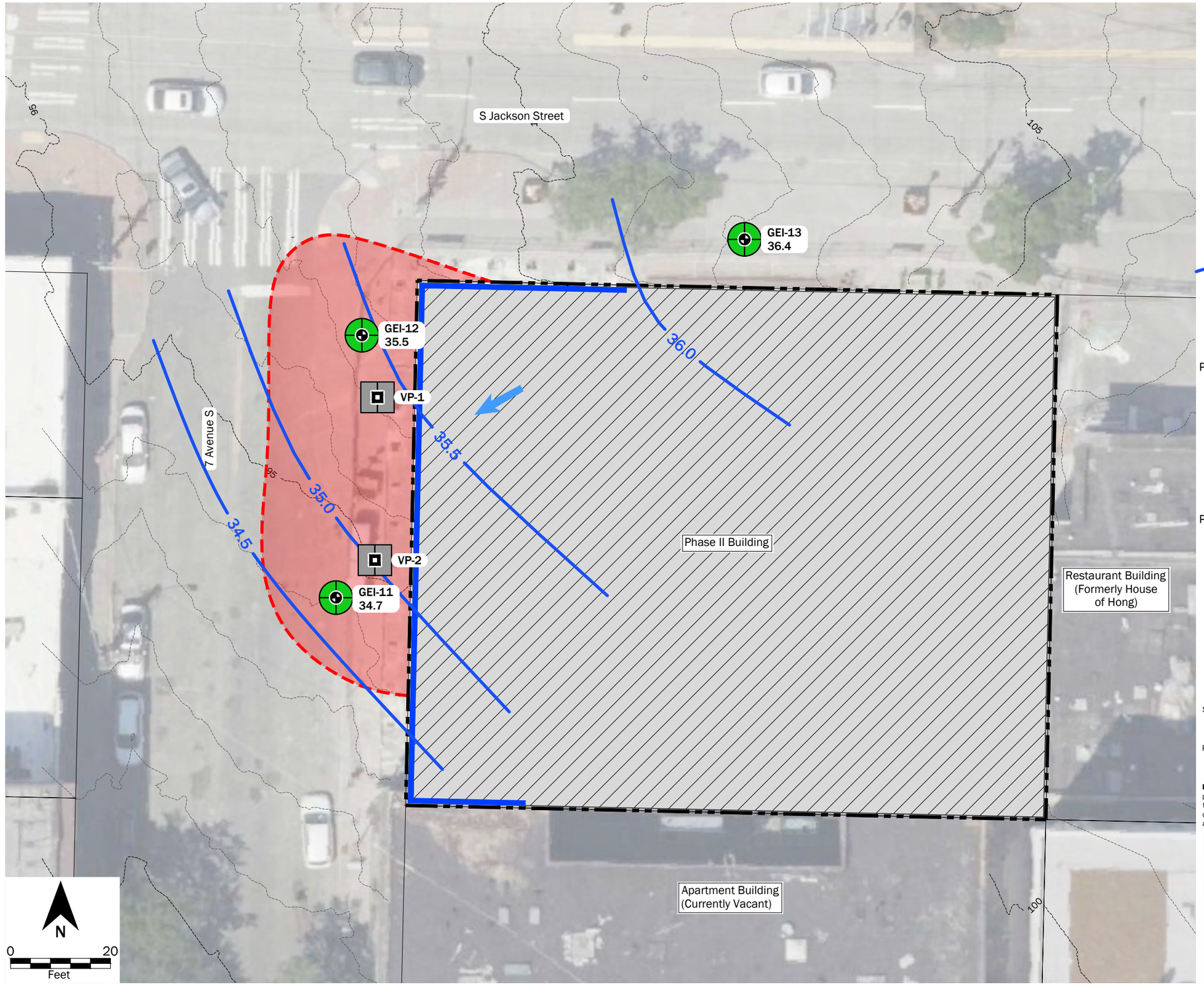
Soil Vapor and Groundwater Monitoring Locations

Seventh Avenue Service
Seattle, Washington

GeoEngineers

Figure 2

P:\24\24504001\CAD\04\Post-Construction Groundwater Monitoring Report - Year 1\24504001030_F02_Site Plan.dwg 2 Date Exported:12/31/2025 8:32 AM - by Jackson N. Fellows



Legend

- Property Boundary
- Parcel Boundary
- Topographic Contour (Feet, NAVD88)
- Property Redevelopment Area
- Extent of Residual Soil Contamination
- Vapor Barrier (Planned Extent)
- Monitoring Well
- Soil Vapor Pin
- Inferred Groundwater Flow Direction
- 35.5 Groundwater Contour (Feet, NAVD88)

Chemical Analytical Results of Discrete Groundwater Samples

Petroleum Hydrocarbons — VOCs — PAHs — Dissolved Metals

- Exceeds MTCA Cleanup Level
- Not Detected or Detected Less Than MTCA Cleanup Level
- No Data

Soil Vapor Monitoring Results

Petroleum Hydrocarbons — VOCs

- Exceeds MTCA Sub-Slab Soil Gas Screening Level
- No Detected or Detected Less Than MTCA Sub-Slab Soil Gas Screening Level
- No Data

VOC= Volatile Organic Compound
PAH= Polycyclic Aromatic Hydrocarbon including 1-methylnaphthalene, 2-methylnaphthalene and naphthalene
MTCA= Model Toxics Control Act

Source(s):
- Aerial from Microsoft Bing, 2025
- LiDAR from Puget Sound Lidar Consortium dated 2016

Projection:
- Horizontal - WA State Plane, North Zone, North American Datum 1983 (NAD83), US Foot
- Vertical - North American Vertical Datum 1988 (NAVD88)

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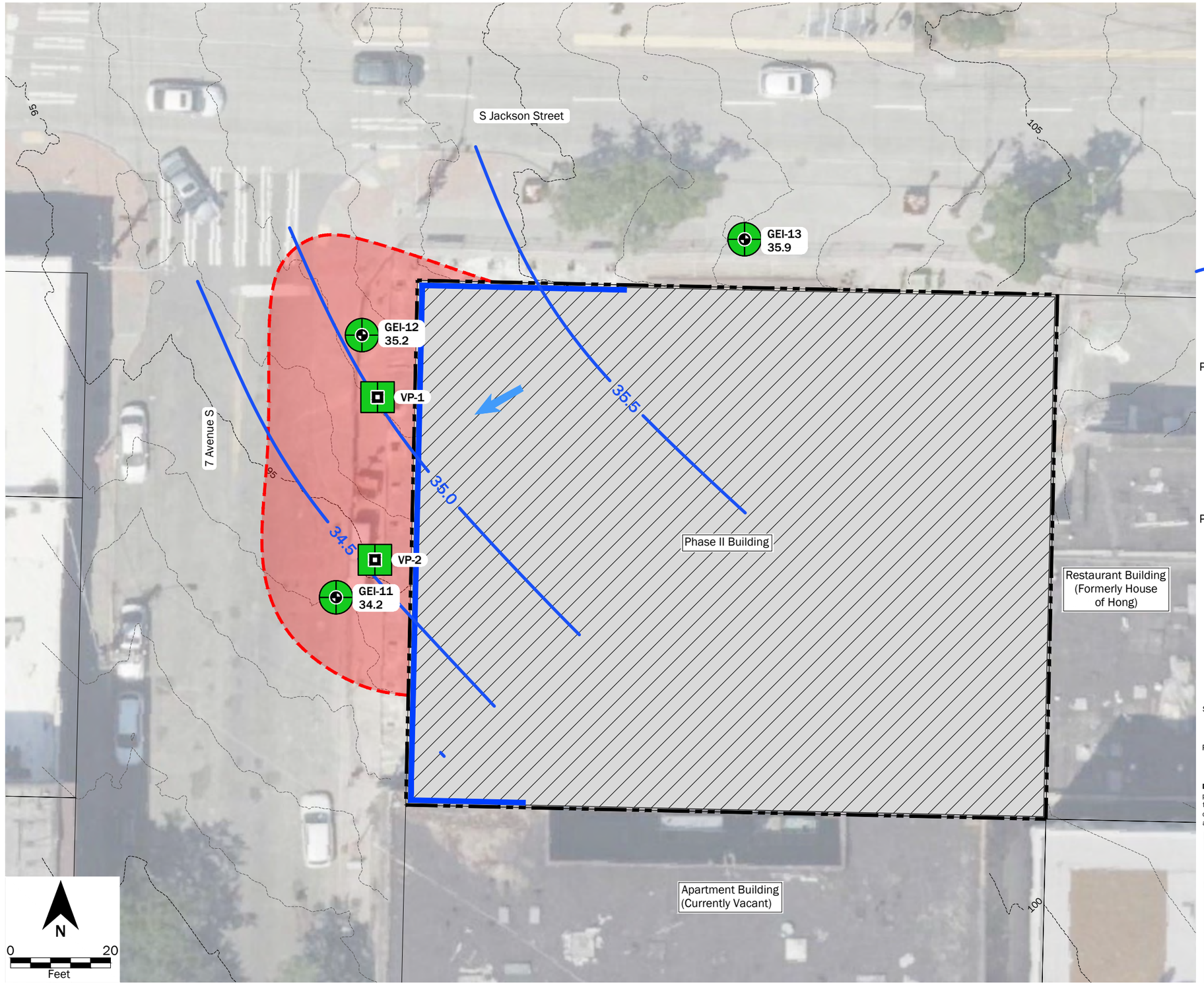
August 2024 Post-Construction Compliance Monitoring Event

Seventh Avenue Service
Seattle, Washington

GeoEngineers

Figure 3

P:\24\24504001\CAD\04 Post-Construction Groundwater Monitoring Report - Year 1\24504001003_F03_GW Elevations Q1.dwg 3 Date Exported:12/31/2025 8:32 AM - by Jackson N. Fellows



Legend

- Property Boundary
- Parcel Boundary
- Topographic Contour (Feet, NAVD88)
- Property Redevelopment Area
- Extent of Residual Soil Contamination
- Vapor Barrier (Planned Extent)
- Monitoring Well
- Soil Vapor Pin
- Inferred Groundwater Flow Direction
- 35.5 Groundwater Contour (Feet, NAVD88)

Chemical Analytical Results of Discrete Groundwater Samples

Petroleum Hydrocarbons — VOCs
PAHs — Dissolved Metals

- Exceeds MTCA Cleanup Level
- Not Detected or Detected Less Than MTCA Cleanup Level
- No Data

Soil Vapor Monitoring Results

Petroleum Hydrocarbons — VOCs

- Exceeds MTCA Sub-Slab Soil Gas Screening Level
- No Detected or Detected Less Than MTCA Sub-Slab Soil Gas Screening Level
- No Data

VOC= Volatile Organic Compound
PAH= Polycyclic Aromatic Hydrocarbon including 1-methylnaphthalene, 2-methylnaphthalene and naphthalene
MTCA= Model Toxics Control Act

Source(s):
- Aerial from Microsoft Bing, 2025
- LiDAR from Puget Sound Lidar Consortium dated 2016

Projection:
- Horizontal - WA State Plane, North Zone, North American Datum 1983 (NAD83), US Foot
- Vertical - North American Vertical Datum 1988 (NAVD88)

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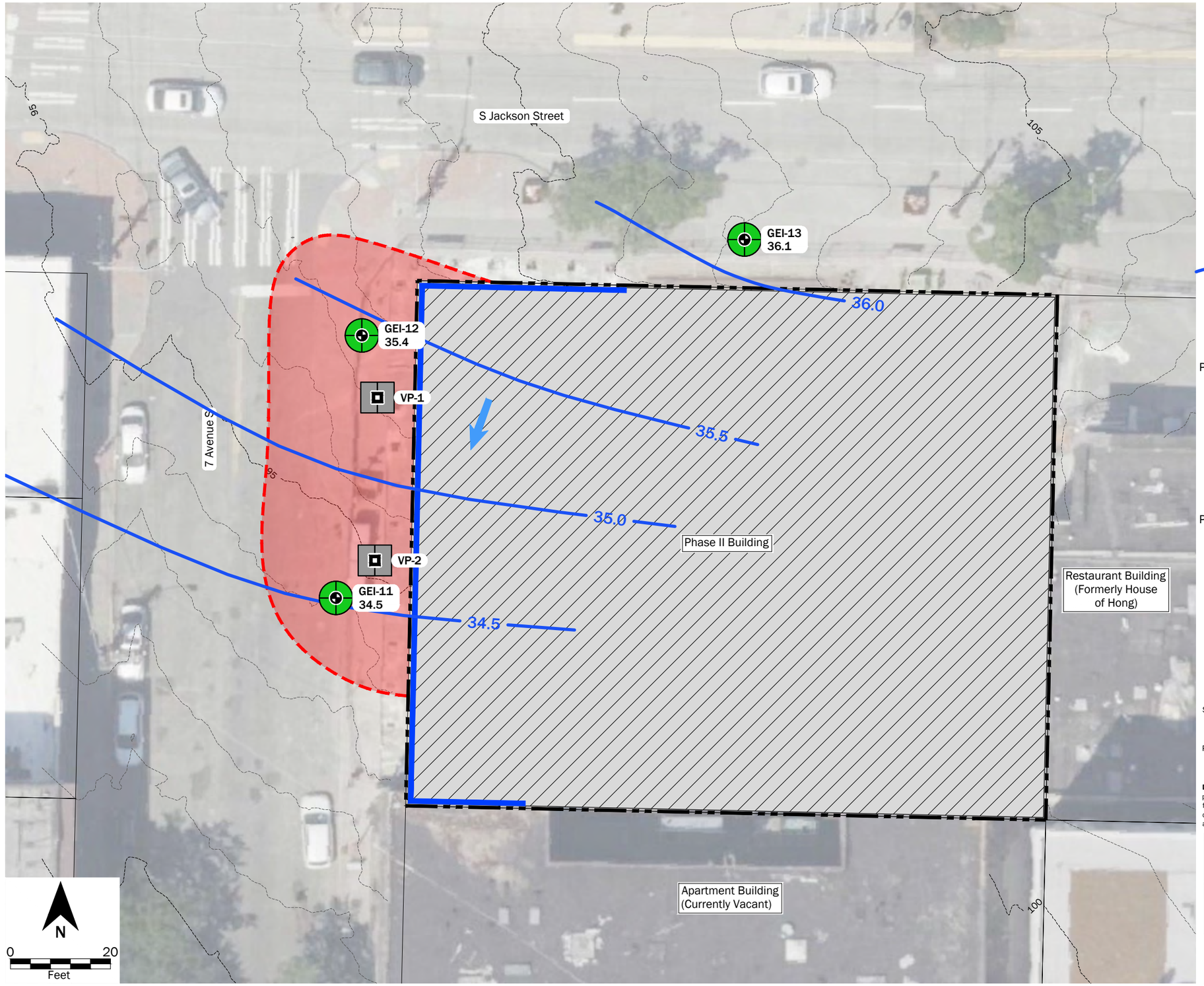
November 2024 Post-Construction Compliance Monitoring Event

Seventh Avenue Service
Seattle, Washington

GeoEngineers

Figure 4

P:\24\24504001\CAD\04\Post-Construction Groundwater Monitoring Report - Year 1\24504001030_F04_GW Elevations_Q2.dwg 4 Date Exported:12/31/2025 8:32 AM - by Jackson N. Fellows



Legend

- Property Boundary
- Parcel Boundary
- Topographic Contour (Feet, NAVD88)
- Property Redevelopment Area
- Extent of Residual Soil Contamination
- Vapor Barrier (Planned Extent)
- Monitoring Well
- Soil Vapor Pin
- Inferred Groundwater Flow Direction
- 35.5 Groundwater Contour (Feet, NAVD88)

Chemical Analytical Results of Discrete Groundwater Samples

Petroleum Hydrocarbons — VOCs
PAHs — Dissolved Metals

- Exceeds MTCA Cleanup Level
- Not Detected or Detected Less Than MTCA Cleanup Level
- No Data

Soil Vapor Monitoring Results

Petroleum Hydrocarbons — VOCs

- Exceeds MTCA Sub-Slab Soil Gas Screening Level
- No Detected or Detected Less Than MTCA Sub-Slab Soil Gas Screening Level
- No Data

VOC= Volatile Organic Compound
PAH= Polycyclic Aromatic Hydrocarbon including 1-methylnaphthalene, 2-methylnaphthalene and naphthalene
MTCA= Model Toxics Control Act

Source(s):
- Aerial from Microsoft Bing, 2025
- LiDAR from Puget Sound Lidar Consortium dated 2016

Projection:
- Horizontal - WA State Plane, North Zone, North American Datum 1983 (NAD83), US Foot
- Vertical - North American Vertical Datum 1988 (NAVD88)

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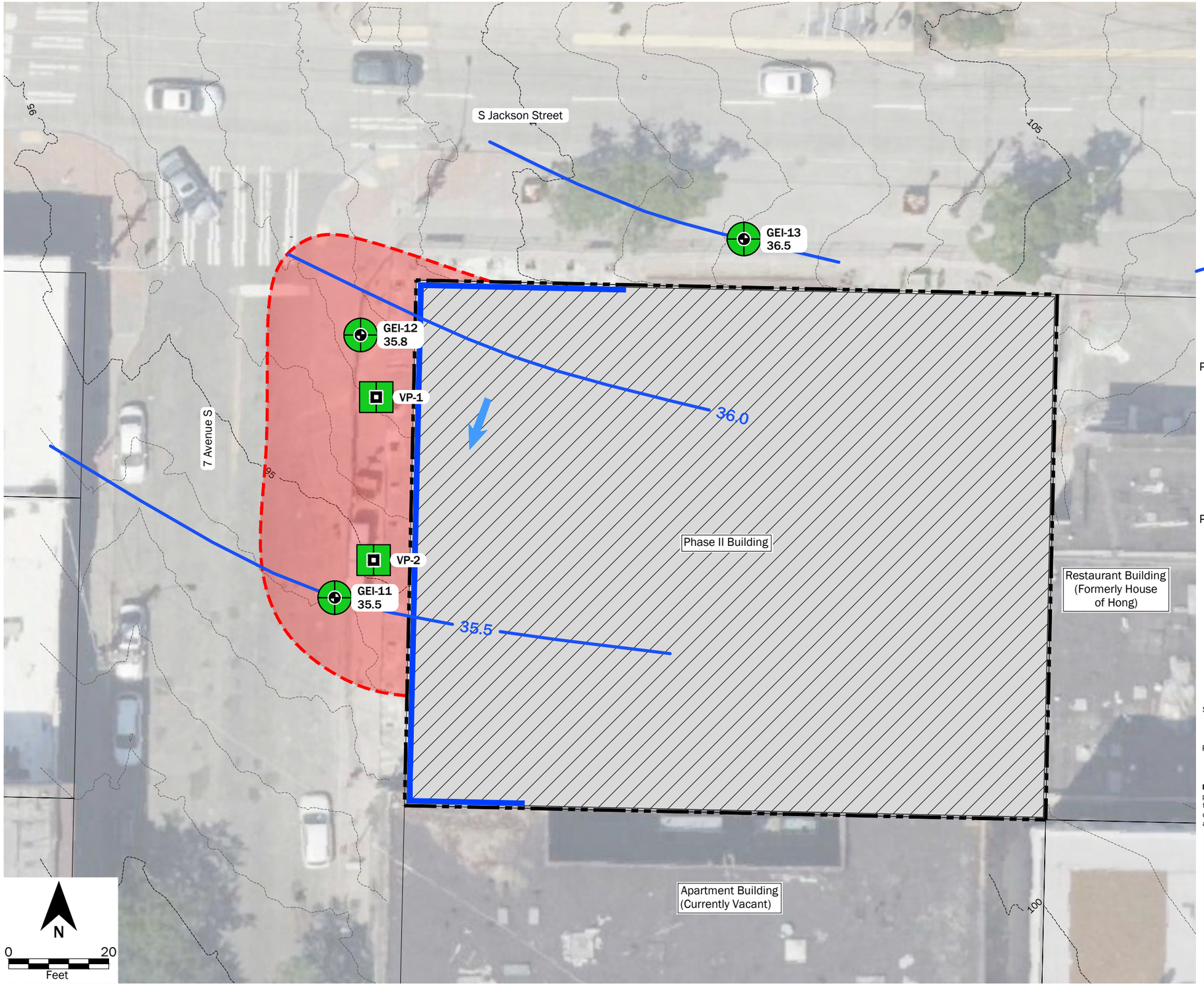
February 2025 Post-Construction Compliance Monitoring Event

Seventh Avenue Service
Seattle, Washington

GeoEngineers

Figure 5

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Legend

- Property Boundary
- Parcel Boundary
- Topographic Contour (Feet, NAVD88)
- Property Redevelopment Area
- Extent of Residual Soil Contamination
- Vapor Barrier (Planned Extent)
- Monitoring Well
- Soil Vapor Pin
- Inferred Groundwater Flow Direction
- 35.5 Groundwater Contour (Feet, NAVD88)

Chemical Analytical Results of Discrete Groundwater Samples

Petroleum Hydrocarbons — VOCs
PAHs — Dissolved Metals

- Exceeds MTCA Cleanup Level
- Not Detected or Detected Less Than MTCA Cleanup Level
- No Data

Soil Vapor Monitoring Results

Petroleum Hydrocarbons — VOCs

- Exceeds MTCA Sub-Slab Soil Gas Screening Level
- No Detected or Detected Less Than MTCA Sub-Slab Soil Gas Screening Level
- No Data

VOC= Volatile Organic Compound
PAH= Polycyclic Aromatic Hydrocarbon including 1-methylnaphthalene, 2-methylnaphthalene and naphthalene
MTCA= Model Toxics Control Act

Source(s):
- Aerial from Microsoft Bing, 2025
- LiDAR from Puget Sound Lidar Consortium dated 2016

Projection:
- Horizontal - WA State Plane, North Zone, North American Datum 1983 (NAD83), US Foot
- Vertical - North American Vertical Datum 1988 (NAVD88)

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May 2025 Post-Construction Compliance Monitoring Event

Seventh Avenue Service
Seattle, Washington

GeoEngineers

Figure 6

P:\24\24504001\CAD\04\Post-Construction Groundwater Monitoring Report - Year 1\24504001_F06_GW Elevations Q4.dwg 6 Date Exported:12/31/2025 8:31 AM - by Jackson N. Fellows

Appendices

Appendix A
Well Completion Logs

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS GRAPH	SYMBOLS LETTER	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES
				GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES
	MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
MORE THAN 50% RETAINED ON NO. 200 SIEVE	SAND AND SANDY SOILS	CLEAN SANDS (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS
				SP	POORLY-GRADED SANDS, GRAVELLY SAND
	MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND - SILT MIXTURES
				SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS, ROCK FLOUR, CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MORE THAN 50% PASSING NO. 200 SIEVE	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS AND SILTS OF MEDIUM TO HIGH PLASTICITY
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: Multiple symbols are used to indicate borderline or dual soil classifications

ADDITIONAL MATERIAL SYMBOLS

SYMBOLS GRAPH	SYMBOLS LETTER	TYPICAL DESCRIPTIONS
	AC	Asphalt Concrete
	CC	Cement Concrete
	CR	Crushed Rock/ Quarry Spalls
	SOD	Sod/Forest Duff
	TS	Topsoil

Groundwater Contact

Measured groundwater level in exploration, well, or piezometer

Measured free product in well or piezometer

Graphic Log Contact

Distinct contact between soil strata

Approximate contact between soil strata

Material Description Contact

Contact between geologic units

Contact between soil of the same geologic unit

Sampler Symbol Descriptions

2.4-inch I.D. split barrel / Dames & Moore (D&M)

Standard Penetration Test (SPT)

Shelby tube

Piston

Direct-Push

Bulk or grab

Continuous Coring

Blowcount is recorded for driven samplers as the number of blows required to advance sampler 12 inches (or distance noted). See exploration log for hammer weight and drop.

"P" indicates sampler pushed using the weight of the drill rig.

"WOH" indicates sampler pushed using the weight of the hammer.

Laboratory / Field Tests

%F	Percent fines
%G	Percent gravel
AL	Atterberg limits
CA	Chemical analysis
CP	Laboratory compaction test
CS	Consolidation test
DD	Dry density
DS	Direct shear
HA	Hydrometer analysis
MC	Moisture content
MD	Moisture content and dry density
Mohs	Mohs hardness scale
OC	Organic content
PM	Permeability or hydraulic conductivity
PI	Plasticity index
PL	Point lead test
PP	Pocket penetrometer
SA	Sieve analysis
TX	Triaxial compression
UC	Unconfined compression
UU	Unconsolidated undrained triaxial compression
VS	Vane shear

Sheen Classification

NS	No Visible Sheen
SS	Slight Sheen
MS	Moderate Sheen
HS	Heavy Sheen

NOTE: The reader must refer to the discussion in the report text and the logs of explorations for a proper understanding of subsurface conditions. Descriptions on the logs apply only at the specific exploration locations and at the time the explorations were made; they are not warranted to be representative of subsurface conditions at other locations or times.

Key to Exploration Logs

GeoEngineers

Figure C-1

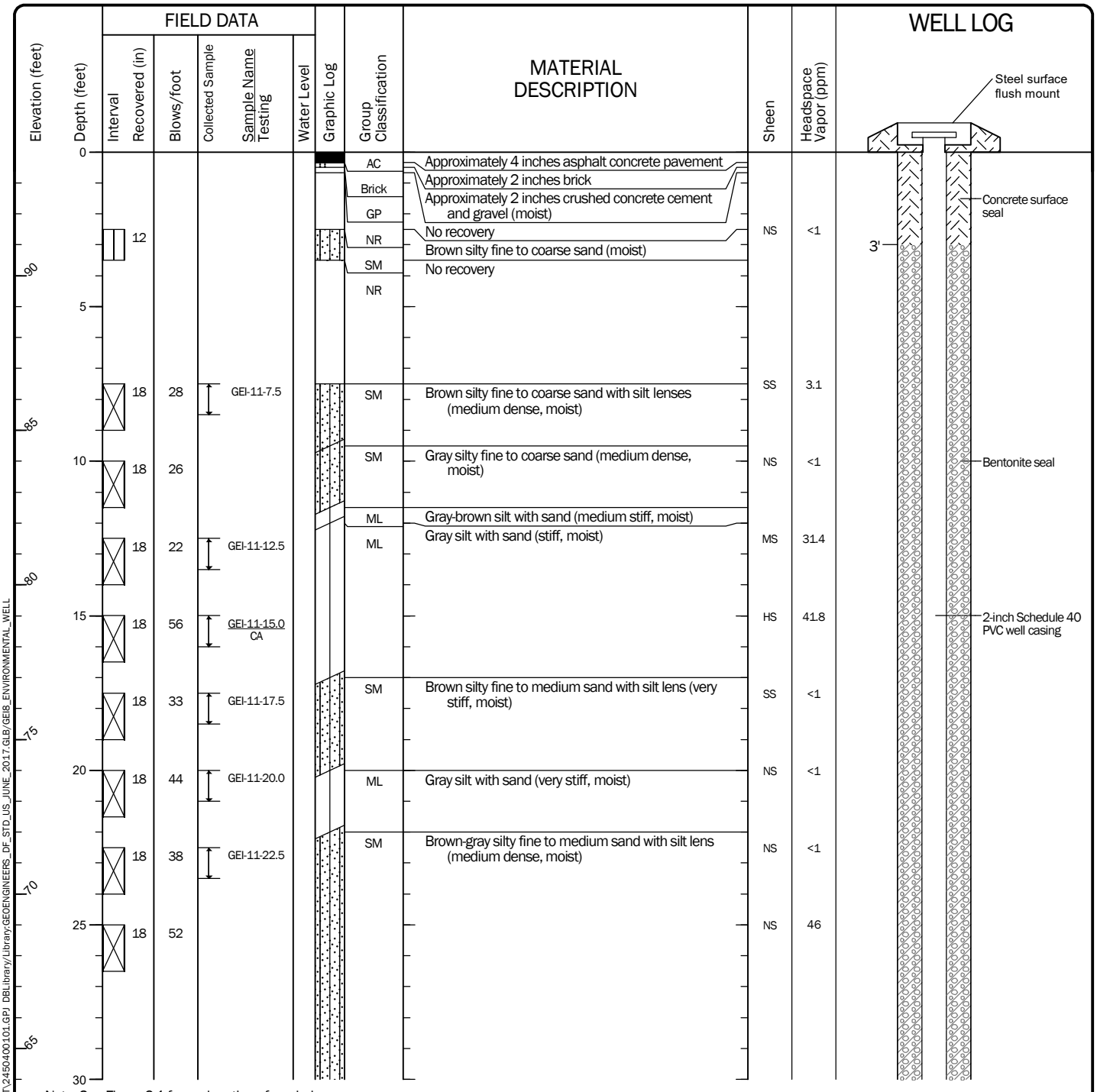
Drilled	Start	End	Total Depth (ft)	Logged By	Checked By	Driller	Drilling Method
	4/5/2022	4/5/2022	71.5	NRS	RST	Cascade Drilling LP	Hollow-stem Auger

Hammer Data	Autohammer 140 (lbs) / 30 (in) Drop	Drilling Equipment	Truck-mounted drill rig
Surface Elevation (ft) Vertical Datum	94 NAVD88	Top of Casing Elevation (ft)	
Latitude Longitude	47.598851 -122.323695	Horizontal Datum	Decimal Degrees WGS84

DOE Well I.D.: BNC 885
A 2-in well was installed on 4/5/2022 to a depth of 70 ft.

Groundwater Date Measured	Depth to Water (ft)	Elevation (ft)
4/5/2022	61.34	32.66

Notes: Boring cleared from the ground surface to approximately 7 feet below ground surface (bgs) using an air knife.



Note: See Figure C-1 for explanation of symbols.
Coordinates Data Source: Horizontal approximated based on North American Datum 1983 (NAD83). Vertical approximated based on LiDAR from Puget Sound LiDAR Consortium dated 2016.

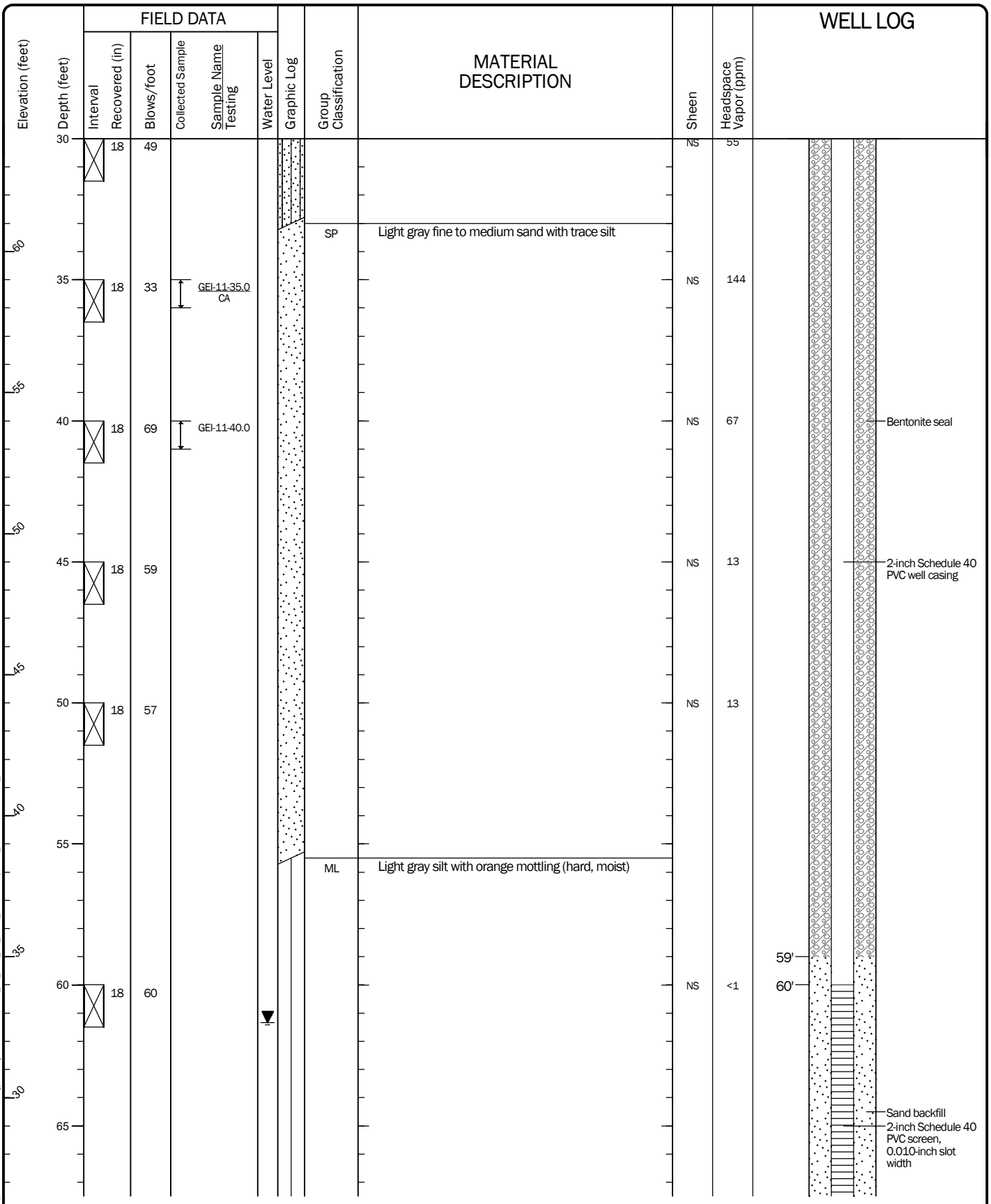
Log of Boring with Monitoring Well GEI-11

GeoEngineers

Project: 701 South Jackson Street
Project Location: Seattle, Washington
Project Number: 24504-001-01

Figure A-5
Sheet 1 of 3

Date:5/5/22 Path:P:\24\24504001\GINT\24504001GPJ DBLibrary/Library:GEOENGINEERS_DF_STD_US_JUNE_2017.GLB/GEI8_ENVIRONMENTAL_WELL



Date:5/5/22 Path:P:\24\24504001\GINT\24504001-01.GPJ DBLibrary/Library:GEOENGINEERS_DF_STD_US_JUNE_2017.GLB/GEI8_ENVIRONMENTAL_WELL

Log of Boring with Monitoring Well GEI-11 (continued)

GeoEngineers

Project: 701 South Jackson Street
Project Location: Seattle, Washington
Project Number: 24504-001-01

Figure A-5
Sheet 2 of 3

Elevation (feet)	Depth (feet)	FIELD DATA: Interval Recovered (in)	FIELD DATA: Blows/foot	FIELD DATA: Collected Sample / Sample Name Testing	FIELD DATA: Water Level	Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	WELL LOG
75	70	18	61						NS	<1	70'

Log of Boring with Monitoring Well GEI-11 (continued)

GeoEngineers

Project: 701 South Jackson Street
Project Location: Seattle, Washington
Project Number: 24504-001-01

Figure A-5
Sheet 3 of 3

Date:5/5/22 Path:P:\24\24504001\GINT\2450400101.GPJ DBLibrary/Library:GEOENGINEERS_DF_STD_US_JUNE_2017.GLB/GEI8_ENVIRONMENTAL_WELL

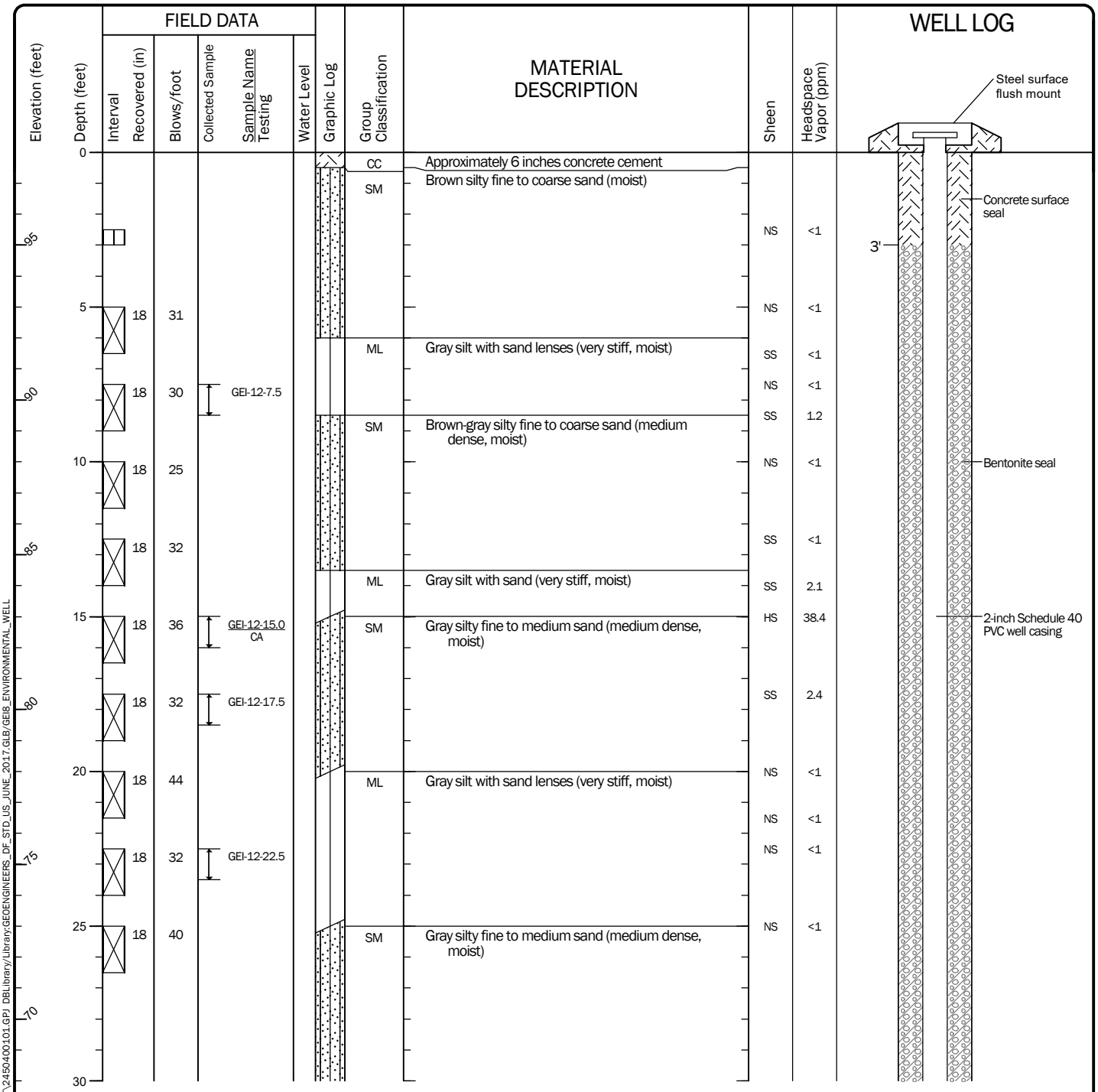
Drilled	Start	End	Total Depth (ft)	Logged By	Checked By	Driller	Drilling Method
	4/6/2022	4/6/2022	75	NRS	RST	Cascade Drilling LP	Hollow-stem Auger

Hammer Data	Autohammer 140 (lbs) / 30 (in) Drop	Drilling Equipment	Truck-mounted drill rig
Surface Elevation (ft) Vertical Datum	98 NAVD88	Top of Casing Elevation (ft)	
Latitude Longitude	47.599017 -122.323695	Horizontal Datum	Decimal Degrees WGS84

DOE Well I.D.: BNC 886
A 2-in well was installed on 4/6/2022 to a depth of 75 ft.

Groundwater Date Measured	Depth to Water (ft)	Elevation (ft)
4/6/2022	66.78	31.22

Notes: Boring cleared from the ground surface to approximately 4 feet below ground surface (bgs) using hand tools.



Note: See Figure C-1 for explanation of symbols.
Coordinates Data Source: Horizontal approximated based on North American Datum 1983 (NAD83). Vertical approximated based on LiDAR from Puget Sound LiDAR Consortium dated 2016.

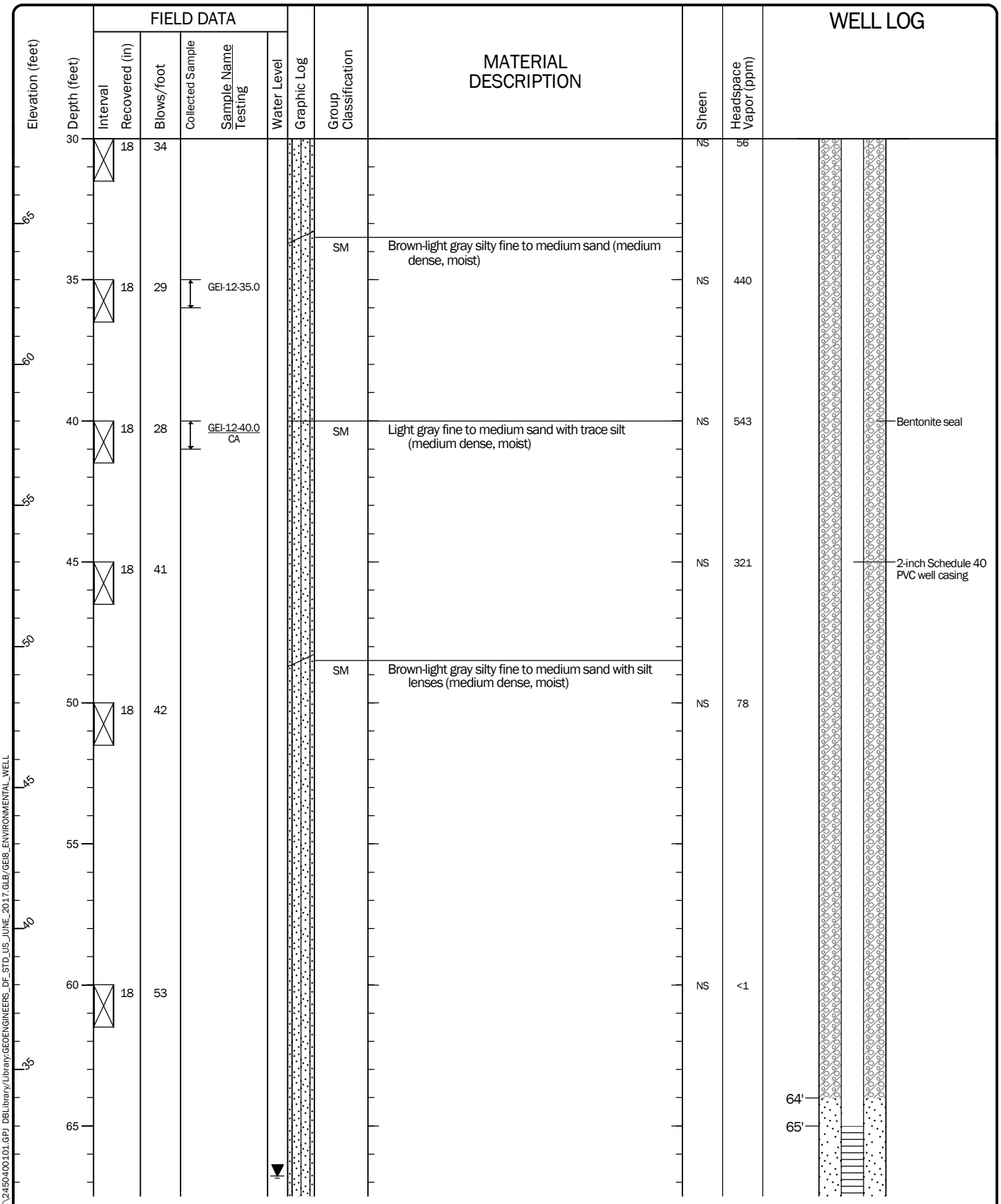
Log of Boring with Monitoring Well GEI-12

GeoEngineers

Project: 701 South Jackson Street
Project Location: Seattle, Washington
Project Number: 24504-001-01

Figure A-6
Sheet 1 of 3

Date:5/5/22 Path:P:\24\24504001\GINT\24504001GPJ DBLibrary/Library:GEOENGINEERS_DF_STD_US_JUNE_2017.GLB/GEI8_ENVIRONMENTAL_WELL



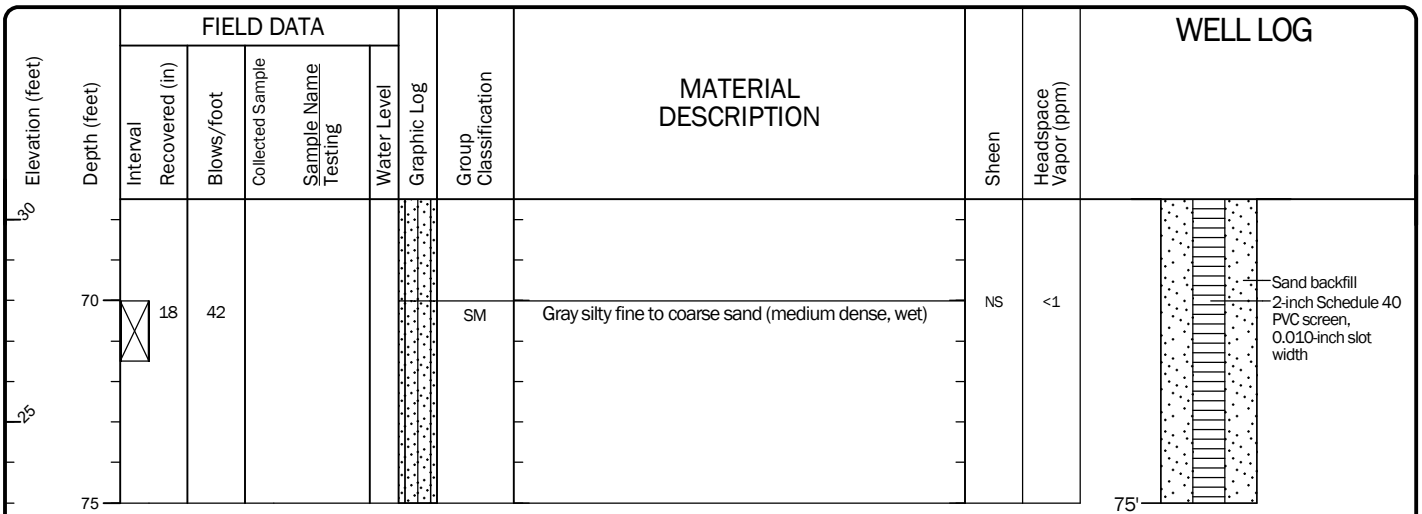
Date:5/5/22 Path:P:\24\24504001\GINT\24504001-01.GPJ DBLibrary:Library:GEOENGINEERS_DF_STD_US_JUNE_2017.GLB/GEI8_ENVIRONMENTAL_WELL

Log of Boring with Monitoring Well GEI-12 (continued)

GeoEngineers

Project: 701 South Jackson Street
Project Location: Seattle, Washington
Project Number: 24504-001-01

Figure A-6
Sheet 2 of 3



Date:5/5/22 Path:P:\24\24504001\GINT\24504001 01.GPJ DBLibrary/Library:GEOENGINEERS_DF_STD_US_JUNE_2017.GLB/GEI8_ENVIRONMENTAL_WELL

Log of Boring with Monitoring Well GEI-12 (continued)

GeoEngineers

Project: 701 South Jackson Street
Project Location: Seattle, Washington
Project Number: 24504-001-01

Figure A-6
Sheet 3 of 3

Drilled	Start	End	Total Depth (ft)	Logged By	Checked By	Driller	Drilling Method
	6/5/2024	6/6/2024	75	NRS	RST	Cascade Drilling, LP	Hollow-stem Auger

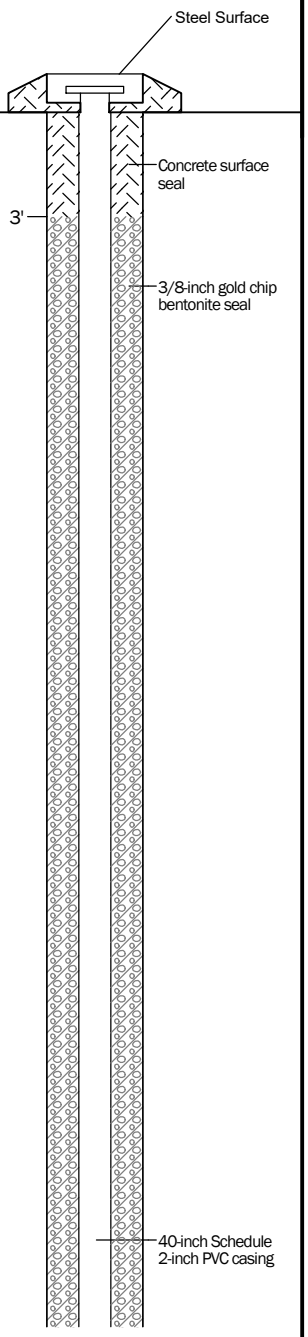
Hammer Data	Autohammer 140 (lbs) / 30 (in) Drop	Drilling Equipment	Truck mounted auger rig
Surface Elevation (ft) Vertical Datum	102.54 NAVD88	Top of Casing Elevation (ft)	102.02
Latitude Longitude	47.599083 122.323348	Horizontal Datum	Decimal Degrees WGS84 (feet)

DOE Well I.D.: BPW 535
A 2-in well was installed on 6/6/2024 to a depth of 75 ft.

Groundwater Date Measured	Depth to Water (ft)	Elevation (ft)
6/6/2024	65.79	36.75

Notes: Air knife utilized to clear boring for potential burried utilities to a depth of approximately 7½ feet below ground surface (bgs)

Elevation (feet)	Depth (feet)	Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level	Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)
100	0								CC	Approximately 8 inches of cement concrete pavement		
									SM	Brown silty fine to coarse sand with gravel		
	5		6			S-1					NS	<1
95			6			S-2					NS	<1
			18	27		S-3			SM	Brown fine to coarse sand with silt (medium dense, moist)	NS	<1
	10		18	37		S-4					NS	<1
90			16	46		S-5			SM	Gray fine to coarse sand with silt (very dense, moist)	NS	<1
	15		18	41		S-6			SM	Gray fine to medium sand with silt and a 1-inch silt lens (very dense, moist)	NS	<1
85			18	44		S-7						
	20		18	55		S-8			SM	Gray fine to medium silty sand (very dense, moist)	NS	<1
80												
	25		18	44		S-9			SP-SM	Gray fine sand with silt (very dense, moist)	NS	<1
75												
	30		18	44		S-10			ML	Gray silt with sand (hard, moist)	NS	<1
70	35											



Note: See Figure A-1 for explanation of symbols.
Coordinates Data Source: Horizontal approximated based on hand held global positioning system (GPS) field referenced to permanent features. Vertical approximated based on referenced to 2-inch brass dome "City of Seattle 3895 0701" Elevation 98.52 feet (NAVD88).

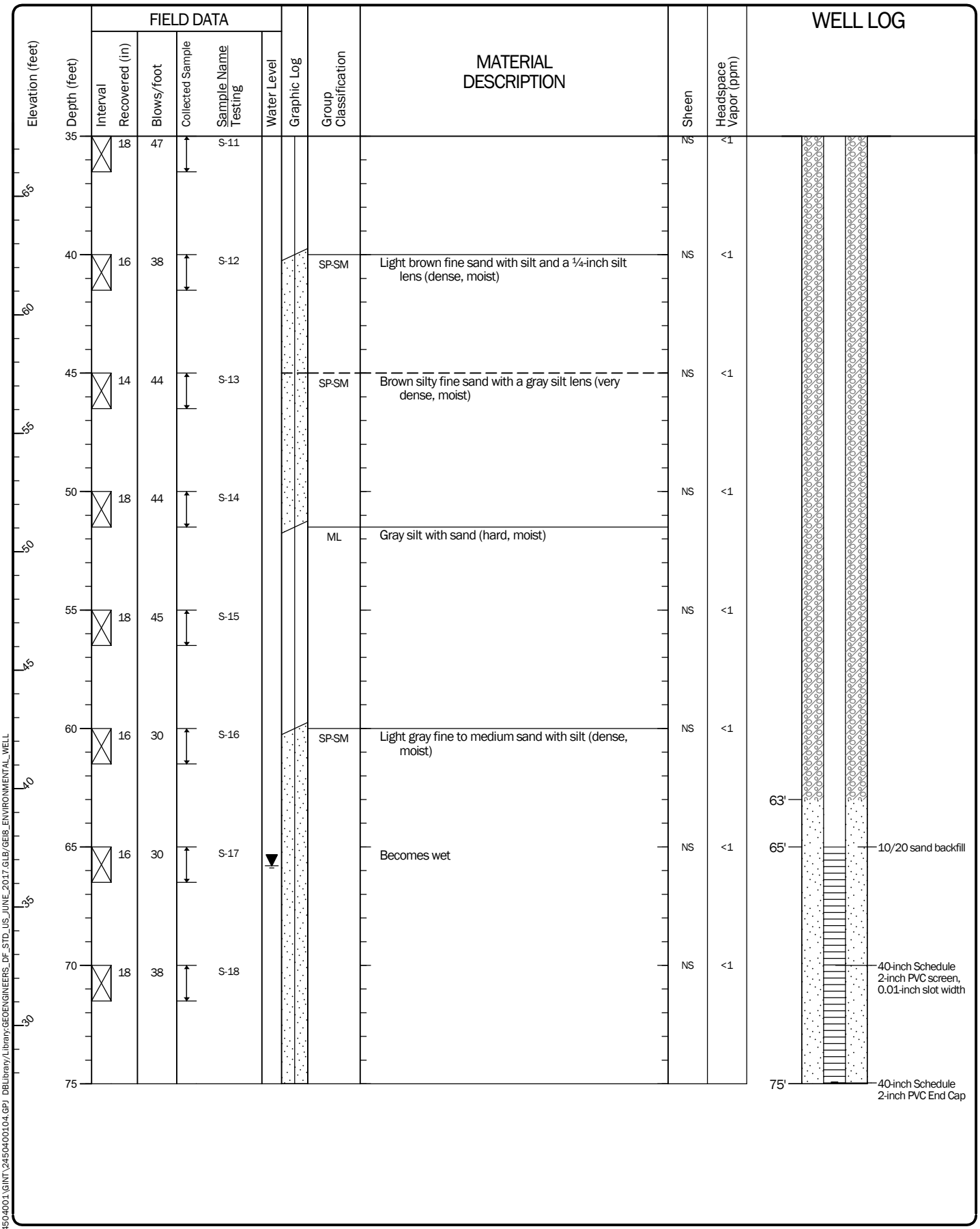
Date:6/11/24 Path:P:\24\24504001\GINT\24504001O4.GPJ DBLibrary/Library:GEOENGINEERS_DF_STD_US_JUNE_2017.GLB/GEI8_ENVIRONMENTAL_WELL

Log of Monitoring Well GEI-13

GeoEngineers

Project: 701/709 South Jackson Street
Project Location: Seattle, Washington
Project Number: 24504-001-04

Figure A-2
Sheet 1 of 2



Date:6/11/24 Path:P:\24\24504001\GINT\24504001O4.GPJ DBLibrary/Library:GEOENGINEERS_DF_STD_US_JUNE_2017.GLB/GEI8_ENVIRONMENTAL_WELL

Log of Monitoring Well GEI-13 (continued)

GeoEngineers

Project: 701/709 South Jackson Street
Project Location: Seattle, Washington
Project Number: 24504-001-04

Figure A-2
Sheet 2 of 2

Appendix B
Chemical Analytical Data Reports

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

GeoEngineers
Robert Trahan
2101 4th Ave, Suite 950
Seattle, WA 98121

RE: 701/709 South Jackson, 24504-001-04
Work Order Number: 2408312

August 28, 2024

Attention Robert Trahan:

Fremont Analytical, Inc, an Alliance Technical Group company, received 5 sample(s) on 8/20/2024 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx
Dissolved Metals by EPA 6020B
EDB by EPA 8011
Gasoline by NWTPH-Gx
PAHs by EPA Method 8270E SIM
Total Metals by EPA 6020B
Volatile Organic Compounds by EPA 8260D

All analyses were performed according to our accredited Quality Assurance program. Please contact the laboratory if you should have any questions about the results.

Please note, while the appearance of our logo and branding will update, our commitment to accuracy, speed, and customer service remain values celebrated and shared by Alliance Technical Group. Thank you for the opportunity to serve you.

Sincerely,

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.4 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original

Brianna Barnes
Project Manager

Date: *08/28/2024*

CLIENT: GeoEngineers
Project: 701/709 South Jackson
Work Order: 2408312

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2408312-001	GEI-11_082024	08/20/2024 10:50 AM	08/20/2024 3:20 PM
2408312-002	GEI-12_082024	08/20/2024 12:00 PM	08/20/2024 3:20 PM
2408312-003	GEI-13_082024	08/20/2024 1:30 PM	08/20/2024 3:20 PM
2408312-004	Dup_082024	08/20/2024 12:00 AM	08/20/2024 3:20 PM
2408312-005	Trip Blank	08/19/2024 12:00 PM	08/20/2024 3:20 PM

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

Original

Case Narrative

WO#: **2408312**

Date: **8/28/2024**

CLIENT: GeoEngineers
Project: 701/709 South Jackson

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.

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: **2408312**
Date Reported: **8/28/2024**

Client: GeoEngineers
Collection Date: 8/20/2024 10:50:00 AM
Project: 701/709 South Jackson
Lab ID: 2408312-001
Matrix: Water
Client Sample ID: **GEI-11_082024**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EDB by EPA 8011				Batch ID: 44994		Analyst: CO
1,2-Dibromoethane (EDB)	ND	0.00985		µg/L	1	8/26/2024 2:19:14 PM
Diesel and Heavy Oil by NWTPH-Dx				Batch ID: 44970		Analyst: AP
Diesel Range Organics	ND	91.9		µg/L	1	8/26/2024 5:10:55 PM
Heavy Oil	ND	138		µg/L	1	8/26/2024 5:10:55 PM
Total Petroleum Hydrocarbons	ND	230		µg/L	1	8/26/2024 5:10:55 PM
Surr: 2-Fluorobiphenyl	83.5	50 - 150		%Rec	1	8/26/2024 5:10:55 PM
Surr: o-Terphenyl	82.5	50 - 150		%Rec	1	8/26/2024 5:10:55 PM
PAHs by EPA Method 8270E SIM				Batch ID: 44929		Analyst: RG
Naphthalene	ND	0.0949		µg/L	1	8/22/2024 2:51:47 PM
2-Methylnaphthalene	ND	0.0949		µg/L	1	8/22/2024 2:51:47 PM
1-Methylnaphthalene	ND	0.0949		µg/L	1	8/22/2024 2:51:47 PM
Surr: 2-Fluorobiphenyl	93.2	43.2 - 131		%Rec	1	8/22/2024 2:51:47 PM
Surr: Terphenyl-d14	119	46.1 - 140		%Rec	1	8/22/2024 2:51:47 PM
Gasoline by NWTPH-Gx				Batch ID: 44956		Analyst: FG
Gasoline Range Organics	ND	100		µg/L	1	8/23/2024 1:32:15 PM
Surr: Toluene-d8	95.9	65 - 135		%Rec	1	8/23/2024 1:32:15 PM
Surr: 4-Bromofluorobenzene	92.1	65 - 135		%Rec	1	8/23/2024 1:32:15 PM
Volatile Organic Compounds by EPA 8260D				Batch ID: 44941		Analyst: KJ
Methyl tert-butyl ether (MTBE)	ND	0.500		µg/L	1	8/21/2024 4:23:01 PM
1,2-Dichloroethane (EDC)	ND	0.200		µg/L	1	8/21/2024 4:23:01 PM
Benzene	ND	0.200		µg/L	1	8/21/2024 4:23:01 PM
Toluene	ND	0.500		µg/L	1	8/21/2024 4:23:01 PM
Ethylbenzene	ND	0.500		µg/L	1	8/21/2024 4:23:01 PM
m,p-Xylene	ND	1.00		µg/L	1	8/21/2024 4:23:01 PM
o-Xylene	ND	0.500		µg/L	1	8/21/2024 4:23:01 PM
Surr: Dibromofluoromethane	107	82.4 - 122.4		%Rec	1	8/21/2024 4:23:01 PM
Surr: Toluene-d8	117	81.4 - 121.4		%Rec	1	8/21/2024 4:23:01 PM
Surr: 1-Bromo-4-fluorobenzene	107	80.1 - 120.1		%Rec	1	8/21/2024 4:23:01 PM

Client: GeoEngineers **Collection Date:** 8/20/2024 10:50:00 AM
Project: 701/709 South Jackson
Lab ID: 2408312-001 **Matrix:** Water
Client Sample ID: **GEI-11_082024**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Metals by EPA 6020B				Batch ID: 44939		Analyst: SLL
Lead	ND	0.300		µg/L	1	8/21/2024 3:08:00 PM
Total Metals by EPA 6020B				Batch ID: 44989		Analyst: ME
Lead	ND	0.300		µg/L	1	8/26/2024 5:31:00 PM

Analytical Report

Work Order: **2408312**
Date Reported: **8/28/2024**

Client: GeoEngineers
Collection Date: 8/20/2024 12:00:00 PM
Project: 701/709 South Jackson
Lab ID: 2408312-002
Matrix: Water
Client Sample ID: **GEI-12_082024**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EDB by EPA 8011				Batch ID: 44994		Analyst: CO
1,2-Dibromoethane (EDB)	ND	0.00953		µg/L	1	8/26/2024 2:27:32 PM
Diesel and Heavy Oil by NWTPH-Dx				Batch ID: 44970		Analyst: AP
Diesel Range Organics	ND	92.1		µg/L	1	8/26/2024 5:22:49 PM
Heavy Oil	ND	138		µg/L	1	8/26/2024 5:22:49 PM
Total Petroleum Hydrocarbons	ND	230		µg/L	1	8/26/2024 5:22:49 PM
Surr: 2-Fluorobiphenyl	104	50 - 150		%Rec	1	8/26/2024 5:22:49 PM
Surr: o-Terphenyl	102	50 - 150		%Rec	1	8/26/2024 5:22:49 PM
PAHs by EPA Method 8270E SIM				Batch ID: 44929		Analyst: RG
Naphthalene	ND	0.0935		µg/L	1	8/22/2024 3:21:44 PM
2-Methylnaphthalene	ND	0.0935		µg/L	1	8/22/2024 3:21:44 PM
1-Methylnaphthalene	ND	0.0935		µg/L	1	8/22/2024 3:21:44 PM
Surr: 2-Fluorobiphenyl	92.9	43.2 - 131		%Rec	1	8/22/2024 3:21:44 PM
Surr: Terphenyl-d14	113	46.1 - 140		%Rec	1	8/22/2024 3:21:44 PM
Gasoline by NWTPH-Gx				Batch ID: 44956		Analyst: FG
Gasoline Range Organics	ND	100		µg/L	1	8/23/2024 2:00:55 PM
Surr: Toluene-d8	94.4	65 - 135		%Rec	1	8/23/2024 2:00:55 PM
Surr: 4-Bromofluorobenzene	91.6	65 - 135		%Rec	1	8/23/2024 2:00:55 PM
Volatile Organic Compounds by EPA 8260D				Batch ID: 44941		Analyst: KJ
Methyl tert-butyl ether (MTBE)	ND	0.500		µg/L	1	8/21/2024 5:30:33 PM
1,2-Dichloroethane (EDC)	ND	0.200		µg/L	1	8/21/2024 5:30:33 PM
Benzene	ND	0.200		µg/L	1	8/21/2024 5:30:33 PM
Toluene	ND	0.500		µg/L	1	8/21/2024 5:30:33 PM
Ethylbenzene	ND	0.500		µg/L	1	8/21/2024 5:30:33 PM
m,p-Xylene	ND	1.00		µg/L	1	8/21/2024 5:30:33 PM
o-Xylene	ND	0.500		µg/L	1	8/21/2024 5:30:33 PM
Surr: Dibromofluoromethane	105	82.4 - 122.4		%Rec	1	8/21/2024 5:30:33 PM
Surr: Toluene-d8	118	81.4 - 121.4		%Rec	1	8/21/2024 5:30:33 PM
Surr: 1-Bromo-4-fluorobenzene	107	80.1 - 120.1		%Rec	1	8/21/2024 5:30:33 PM

Analytical Report

Work Order: **2408312**
Date Reported: **8/28/2024**

Client: GeoEngineers
Project: 701/709 South Jackson
Lab ID: 2408312-002
Client Sample ID: **GEI-12_082024**

Collection Date: 8/20/2024 12:00:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Metals by EPA 6020B				Batch ID: 44939		Analyst: SLL
Lead	ND	0.300		µg/L	1	8/21/2024 3:11:00 PM
Total Metals by EPA 6020B				Batch ID: 44989		Analyst: ME
Lead	ND	0.300		µg/L	1	8/26/2024 5:33:00 PM

Client: GeoEngineers **Collection Date:** 8/20/2024 1:30:00 PM
Project: 701/709 South Jackson
Lab ID: 2408312-003 **Matrix:** Water
Client Sample ID: **GEI-13_082024**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EDB by EPA 8011				Batch ID: 44994		Analyst: CO
1,2-Dibromoethane (EDB)	ND	0.00984		µg/L	1	8/26/2024 2:35:49 PM
Diesel and Heavy Oil by NWTPH-Dx				Batch ID: 44970		Analyst: AP
Diesel Range Organics	ND	93.3		µg/L	1	8/26/2024 5:34:39 PM
Heavy Oil	ND	140		µg/L	1	8/26/2024 5:34:39 PM
Total Petroleum Hydrocarbons	ND	233		µg/L	1	8/26/2024 5:34:39 PM
Surr: 2-Fluorobiphenyl	101	50 - 150		%Rec	1	8/26/2024 5:34:39 PM
Surr: o-Terphenyl	104	50 - 150		%Rec	1	8/26/2024 5:34:39 PM
PAHs by EPA Method 8270E SIM				Batch ID: 44929		Analyst: RG
Naphthalene	ND	0.0939		µg/L	1	8/22/2024 3:51:27 PM
2-Methylnaphthalene	ND	0.0939		µg/L	1	8/22/2024 3:51:27 PM
1-Methylnaphthalene	ND	0.0939		µg/L	1	8/22/2024 3:51:27 PM
Surr: 2-Fluorobiphenyl	101	43.2 - 131		%Rec	1	8/22/2024 3:51:27 PM
Surr: Terphenyl-d14	119	46.1 - 140		%Rec	1	8/22/2024 3:51:27 PM
Gasoline by NWTPH-Gx				Batch ID: 44956		Analyst: FG
Gasoline Range Organics	ND	100		µg/L	1	8/23/2024 2:29:33 PM
Surr: Toluene-d8	94.8	65 - 135		%Rec	1	8/23/2024 2:29:33 PM
Surr: 4-Bromofluorobenzene	90.2	65 - 135		%Rec	1	8/23/2024 2:29:33 PM
Volatile Organic Compounds by EPA 8260D				Batch ID: 44941		Analyst: KJ
Methyl tert-butyl ether (MTBE)	ND	0.500		µg/L	1	8/21/2024 6:03:36 PM
1,2-Dichloroethane (EDC)	ND	0.200		µg/L	1	8/21/2024 6:03:36 PM
Benzene	ND	0.200		µg/L	1	8/21/2024 6:03:36 PM
Toluene	ND	0.500		µg/L	1	8/21/2024 6:03:36 PM
Ethylbenzene	ND	0.500		µg/L	1	8/21/2024 6:03:36 PM
m,p-Xylene	ND	1.00		µg/L	1	8/21/2024 6:03:36 PM
o-Xylene	ND	0.500		µg/L	1	8/21/2024 6:03:36 PM
Surr: Dibromofluoromethane	107	82.4 - 122.4		%Rec	1	8/21/2024 6:03:36 PM
Surr: Toluene-d8	121	81.4 - 121.4		%Rec	1	8/21/2024 6:03:36 PM
Surr: 1-Bromo-4-fluorobenzene	110	80.1 - 120.1		%Rec	1	8/21/2024 6:03:36 PM

Analytical Report

Work Order: **2408312**
Date Reported: **8/28/2024**

Client: GeoEngineers
Project: 701/709 South Jackson
Lab ID: 2408312-003
Client Sample ID: **GEI-13_082024**

Collection Date: 8/20/2024 1:30:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Metals by EPA 6020B				Batch ID: 44939		Analyst: SLL
Lead	ND	0.300		µg/L	1	8/21/2024 3:13:00 PM
Total Metals by EPA 6020B				Batch ID: 44989		Analyst: ME
Lead	ND	0.300		µg/L	1	8/26/2024 5:36:00 PM

Analytical Report

Work Order: **2408312**
Date Reported: **8/28/2024**

Client: GeoEngineers **Collection Date:** 8/20/2024
Project: 701/709 South Jackson
Lab ID: 2408312-004 **Matrix:** Water
Client Sample ID: **Dup_082024**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EDB by EPA 8011				Batch ID: 44994		Analyst: CO
1,2-Dibromoethane (EDB)	ND	0.00911		µg/L	1	8/26/2024 2:44:04 PM
Diesel and Heavy Oil by NWTPH-Dx				Batch ID: 44970		Analyst: AP
Diesel Range Organics	ND	92.8		µg/L	1	8/26/2024 5:46:30 PM
Heavy Oil	ND	139		µg/L	1	8/26/2024 5:46:30 PM
Total Petroleum Hydrocarbons	ND	232		µg/L	1	8/26/2024 5:46:30 PM
Surr: 2-Fluorobiphenyl	92.6	50 - 150		%Rec	1	8/26/2024 5:46:30 PM
Surr: o-Terphenyl	96.5	50 - 150		%Rec	1	8/26/2024 5:46:30 PM
PAHs by EPA Method 8270E SIM				Batch ID: 44929		Analyst: RG
Naphthalene	ND	0.0931		µg/L	1	8/22/2024 4:21:11 PM
2-Methylnaphthalene	ND	0.0931		µg/L	1	8/22/2024 4:21:11 PM
1-Methylnaphthalene	ND	0.0931		µg/L	1	8/22/2024 4:21:11 PM
Surr: 2-Fluorobiphenyl	89.2	43.2 - 131		%Rec	1	8/22/2024 4:21:11 PM
Surr: Terphenyl-d14	101	46.1 - 140		%Rec	1	8/22/2024 4:21:11 PM
Gasoline by NWTPH-Gx				Batch ID: 44956		Analyst: FG
Gasoline Range Organics	ND	100		µg/L	1	8/23/2024 2:58:10 PM
Surr: Toluene-d8	93.7	65 - 135		%Rec	1	8/23/2024 2:58:10 PM
Surr: 4-Bromofluorobenzene	91.6	65 - 135		%Rec	1	8/23/2024 2:58:10 PM
Volatile Organic Compounds by EPA 8260D				Batch ID: 44941		Analyst: KJ
Methyl tert-butyl ether (MTBE)	ND	0.500		µg/L	1	8/21/2024 6:36:44 PM
1,2-Dichloroethane (EDC)	ND	0.200		µg/L	1	8/21/2024 6:36:44 PM
Benzene	ND	0.200		µg/L	1	8/21/2024 6:36:44 PM
Toluene	ND	0.500		µg/L	1	8/21/2024 6:36:44 PM
Ethylbenzene	ND	0.500		µg/L	1	8/21/2024 6:36:44 PM
m,p-Xylene	ND	1.00		µg/L	1	8/21/2024 6:36:44 PM
o-Xylene	ND	0.500		µg/L	1	8/21/2024 6:36:44 PM
Surr: Dibromofluoromethane	103	82.4 - 122.4		%Rec	1	8/21/2024 6:36:44 PM
Surr: Toluene-d8	120	81.4 - 121.4		%Rec	1	8/21/2024 6:36:44 PM
Surr: 1-Bromo-4-fluorobenzene	108	80.1 - 120.1		%Rec	1	8/21/2024 6:36:44 PM

Analytical Report

Work Order: **2408312**
Date Reported: **8/28/2024**

Client: GeoEngineers
Project: 701/709 South Jackson
Lab ID: 2408312-004
Client Sample ID: **Dup_082024**

Collection Date: 8/20/2024
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Metals by EPA 6020B				Batch ID: 44939		Analyst: SLL
Lead	ND	0.300		µg/L	1	8/21/2024 3:15:00 PM
Total Metals by EPA 6020B				Batch ID: 44989		Analyst: ME
Lead	ND	0.300		µg/L	1	8/26/2024 5:38:00 PM

Analytical Report

Work Order: **2408312**
Date Reported: **8/28/2024**

Client: GeoEngineers
Project: 701/709 South Jackson
Lab ID: 2408312-005
Client Sample ID: **Trip Blank**

Collection Date: 8/19/2024 12:00:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 44941		Analyst: KJ
Gasoline Range Organics	ND	50.0		µg/L	1	8/21/2024 11:25:30 AM
Surr: Toluene-d8	67.8	65 - 135		%Rec	1	8/21/2024 11:25:30 AM
Surr: 4-Bromofluorobenzene	99.0	65 - 135		%Rec	1	8/21/2024 11:25:30 AM
Volatile Organic Compounds by EPA 8260D				Batch ID: 44941		Analyst: KJ
Benzene	ND	0.200		µg/L	1	8/21/2024 11:25:30 AM
Toluene	ND	0.500		µg/L	1	8/21/2024 11:25:30 AM
Ethylbenzene	ND	0.500		µg/L	1	8/21/2024 11:25:30 AM
m,p-Xylene	ND	1.00		µg/L	1	8/21/2024 11:25:30 AM
o-Xylene	ND	0.500		µg/L	1	8/21/2024 11:25:30 AM
Surr: Dibromofluoromethane	104	82.4 - 122.4		%Rec	1	8/21/2024 11:25:30 AM
Surr: Toluene-d8	118	81.4 - 121.4		%Rec	1	8/21/2024 11:25:30 AM
Surr: 1-Bromo-4-fluorobenzene	105	80.1 - 120.1		%Rec	1	8/21/2024 11:25:30 AM

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Dissolved Metals by EPA 6020B

Sample ID: **ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **8/21/2024**	RunNo: **93809**
Client ID: **ICB**	Batch ID: **44939**		Analysis Date: **8/21/2024**	SeqNo: **1959087**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **ICV**	SampType: **ICV**	Units: **µg/L**	Prep Date: **8/21/2024**	RunNo: **93809**
Client ID: **ICV**	Batch ID: **44939**		Analysis Date: **8/21/2024**	SeqNo: **1959088**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.4	0.300	50.00	0	96.9	90	110				

Sample ID: **CCV-A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **8/21/2024**	RunNo: **93809**
Client ID: **CCV**	Batch ID: **44939**		Analysis Date: **8/21/2024**	SeqNo: **1959042**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.8	0.300	50.00	0	97.5	90	110				

Sample ID: **CCB-A**	SampType: **CCB**	Units: **µg/L**	Prep Date: **8/21/2024**	RunNo: **93809**
Client ID: **CCB**	Batch ID: **44939**		Analysis Date: **8/21/2024**	SeqNo: **1959043**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **LCS-44939**	SampType: **LCS**	Units: **µg/L**	Prep Date: **8/21/2024**	RunNo: **93809**
Client ID: **LCSW**	Batch ID: **44939**		Analysis Date: **8/21/2024**	SeqNo: **1959045**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	55.0	0.300	50.00	0	110	80	120				

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Dissolved Metals by EPA 6020B

Sample ID: **2408246-001CDUP**	SampType: **DUP**			Units: **µg/L**		Prep Date: **8/21/2024**		RunNo: **93809**		
Client ID: **BATCH**	Batch ID: **44939**					Analysis Date: **8/21/2024**		SeqNo: **1959047**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300						0		20	

Sample ID: **2408246-001CMS**	SampType: **MS**			Units: **µg/L**		Prep Date: **8/21/2024**		RunNo: **93809**		
Client ID: **BATCH**	Batch ID: **44939**					Analysis Date: **8/21/2024**		SeqNo: **1959048**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.3	0.300	50.00	0.08800	96.4	75	125				

Sample ID: **CCV-B**	SampType: **CCV**			Units: **µg/L**		Prep Date: **8/21/2024**		RunNo: **93809**		
Client ID: **CCV**	Batch ID: **44939**					Analysis Date: **8/21/2024**		SeqNo: **1959052**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	49.3	0.300	50.00	0	98.6	90	110				

Sample ID: **CCB-B**	SampType: **CCB**			Units: **µg/L**		Prep Date: **8/21/2024**		RunNo: **93809**		
Client ID: **CCB**	Batch ID: **44939**					Analysis Date: **8/21/2024**		SeqNo: **1959053**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **CCV-C**	SampType: **CCV**			Units: **µg/L**		Prep Date: **8/21/2024**		RunNo: **93809**		
Client ID: **CCV**	Batch ID: **44939**					Analysis Date: **8/21/2024**		SeqNo: **1959064**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	45.2	0.300	50.00	0	90.5	90	110				

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Dissolved Metals by EPA 6020B

Sample ID: **CCB-C**	SampType: **CCB**	Units: **µg/L**	Prep Date: **8/21/2024**	RunNo: **93809**
Client ID: **CCB**	Batch ID: **44939**		Analysis Date: **8/21/2024**	SeqNo: **1959065**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **CCV-D**	SampType: **CCV**	Units: **µg/L**	Prep Date: **8/21/2024**	RunNo: **93809**
Client ID: **CCV**	Batch ID: **44939**		Analysis Date: **8/21/2024**	SeqNo: **1959072**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	47.4	0.300	50.00	0	94.8	90	110				

Sample ID: **CCB-D**	SampType: **CCB**	Units: **µg/L**	Prep Date: **8/21/2024**	RunNo: **93809**
Client ID: **CCB**	Batch ID: **44939**		Analysis Date: **8/21/2024**	SeqNo: **1959073**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **8/22/2024**	RunNo: **93809**
Client ID: **ICB**	Batch ID: **44939**		Analysis Date: **8/22/2024**	SeqNo: **1959760**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **ICV**	SampType: **ICV**	Units: **µg/L**	Prep Date: **8/22/2024**	RunNo: **93809**
Client ID: **ICV**	Batch ID: **44939**		Analysis Date: **8/22/2024**	SeqNo: **1959761**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	47.2	0.300	50.00	0	94.3	90	110				

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Dissolved Metals by EPA 6020B

Sample ID: **CCV-A**	SampType: **CCV**			Units: **µg/L**		Prep Date: **8/22/2024**		RunNo: **93809**		
Client ID: **CCV**	Batch ID: **44939**					Analysis Date: **8/22/2024**		SeqNo: **1959763**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	49.7	0.300	50.00	0	99.4	90	110				

Sample ID: **CCB-A**	SampType: **CCB**			Units: **µg/L**		Prep Date: **8/22/2024**		RunNo: **93809**		
Client ID: **CCB**	Batch ID: **44939**					Analysis Date: **8/22/2024**		SeqNo: **1959764**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **MB-44939**	SampType: **MBLK**			Units: **µg/L**		Prep Date: **8/21/2024**		RunNo: **93809**		
Client ID: **MBLKW**	Batch ID: **44939**					Analysis Date: **8/22/2024**		SeqNo: **1959765**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **CCV-B**	SampType: **CCV**			Units: **µg/L**		Prep Date: **8/22/2024**		RunNo: **93809**		
Client ID: **CCV**	Batch ID: **44939**					Analysis Date: **8/22/2024**		SeqNo: **1959767**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	49.7	0.300	50.00	0	99.3	90	110				

Sample ID: **CCB-B**	SampType: **CCB**			Units: **µg/L**		Prep Date: **8/22/2024**		RunNo: **93809**		
Client ID: **CCB**	Batch ID: **44939**					Analysis Date: **8/22/2024**		SeqNo: **1959768**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Dissolved Metals by EPA 6020B

Sample ID: **CCB-C**	SampType: **CCB**	Units: **µg/L**	Prep Date: **8/22/2024**	RunNo: **93809**
Client ID: **CCB**	Batch ID: **44939**		Analysis Date: **8/22/2024**	SeqNo: **1959778**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **CCV-C**	SampType: **CCV**	Units: **µg/L**	Prep Date: **8/22/2024**	RunNo: **93809**
Client ID: **CCV**	Batch ID: **44939**		Analysis Date: **8/22/2024**	SeqNo: **1959779**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	46.8	0.300	50.00	0	93.6	90	110				

Sample ID: **CCV-C**	SampType: **CCV**	Units: **µg/L**	Prep Date: **8/22/2024**	RunNo: **93809**
Client ID: **CCV**	Batch ID: **44939**		Analysis Date: **8/22/2024**	SeqNo: **1959780**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	46.9	0.300	50.00	0	93.9	90	110				

Sample ID: **2408247-002CMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **8/21/2024**	RunNo: **93809**
Client ID: **BATCH**	Batch ID: **44939**		Analysis Date: **8/22/2024**	SeqNo: **1959781**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	42.2	0.300	50.00	0	84.5	75	125				

Sample ID: **2408247-002CMSD**	SampType: **MSD**	Units: **µg/L**	Prep Date: **8/21/2024**	RunNo: **93809**
Client ID: **BATCH**	Batch ID: **44939**		Analysis Date: **8/22/2024**	SeqNo: **1959782**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	40.5	0.300	50.00	0	81.0	75	125	42.24	4.20	20	

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Dissolved Metals by EPA 6020B

Sample ID: **CCV-D**	SampType: **CCV**	Units: **µg/L**	Prep Date: **8/22/2024**	RunNo: **93809**
Client ID: **CCV**	Batch ID: **44939**		Analysis Date: **8/22/2024**	SeqNo: **1959785**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	47.1	0.300	50.00	0	94.1	90	110				

Sample ID: **CCV-D**	SampType: **CCV**	Units: **µg/L**	Prep Date: **8/22/2024**	RunNo: **93809**
Client ID: **CCV**	Batch ID: **44939**		Analysis Date: **8/22/2024**	SeqNo: **1959786**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	47.8	0.300	50.00	0	95.6	90	110				

Sample ID: **CCB-D**	SampType: **CCB**	Units: **µg/L**	Prep Date: **8/22/2024**	RunNo: **93809**
Client ID: **CCB**	Batch ID: **44939**		Analysis Date: **8/22/2024**	SeqNo: **1959788**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: **ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **8/26/2024**	RunNo: **93902**
Client ID: **ICB**	Batch ID: **44989**		Analysis Date: **8/26/2024**	SeqNo: **1961343**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **ICV**	SampType: **ICV**	Units: **µg/L**	Prep Date: **8/26/2024**	RunNo: **93902**
Client ID: **ICV**	Batch ID: **44989**		Analysis Date: **8/26/2024**	SeqNo: **1961344**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	47.5	0.300	50.00	0	95.0	90	110				

Sample ID: **CCV-A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **8/26/2024**	RunNo: **93902**
Client ID: **CCV**	Batch ID: **44989**		Analysis Date: **8/26/2024**	SeqNo: **1961346**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	47.6	0.300	50.00	0	95.2	90	110				

Sample ID: **CCB-A**	SampType: **CCB**	Units: **µg/L**	Prep Date: **8/26/2024**	RunNo: **93902**
Client ID: **CCB**	Batch ID: **44989**		Analysis Date: **8/26/2024**	SeqNo: **1961347**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **LCS-44989**	SampType: **LCS**	Units: **µg/L**	Prep Date: **8/26/2024**	RunNo: **93902**
Client ID: **LCSW**	Batch ID: **44989**		Analysis Date: **8/26/2024**	SeqNo: **1961349**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.2	0.300	50.00	0	96.5	80	120				

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: **2408401-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **8/26/2024** RunNo: **93902**
Client ID: **BATCH** Batch ID: **44989** Analysis Date: **8/26/2024** SeqNo: **1961351**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	18.2	0.300						18.53	1.96	20	

Sample ID: **CCV-B** SampType: **CCV** Units: **µg/L** Prep Date: **8/26/2024** RunNo: **93902**
Client ID: **CCV** Batch ID: **44989** Analysis Date: **8/26/2024** SeqNo: **1961358**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.5	0.300	50.00	0	97.1	90	110				

Sample ID: **CCB-B** SampType: **CCB** Units: **µg/L** Prep Date: **8/26/2024** RunNo: **93902**
Client ID: **CCB** Batch ID: **44989** Analysis Date: **8/26/2024** SeqNo: **1961359**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **2408401-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **8/26/2024** RunNo: **93902**
Client ID: **BATCH** Batch ID: **44989** Analysis Date: **8/26/2024** SeqNo: **1961428**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	63.2	3.00	50.00	19.25	87.9	75	125				D

Sample ID: **2408401-001AMSD** SampType: **MSD** Units: **µg/L** Prep Date: **8/26/2024** RunNo: **93902**
Client ID: **BATCH** Batch ID: **44989** Analysis Date: **8/26/2024** SeqNo: **1961429**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	66.1	3.00	50.00	19.25	93.7	75	125	63.18	4.48	20	D

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: **CCV-C**	SampType: **CCV**	Units: **µg/L**	Prep Date: **8/26/2024**	RunNo: **93902**
Client ID: **CCV**	Batch ID: **44989**		Analysis Date: **8/26/2024**	SeqNo: **1961432**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.5	0.300	50.00	0	97.0	90	110				

Sample ID: **CCB-C**	SampType: **CCB**	Units: **µg/L**	Prep Date: **8/26/2024**	RunNo: **93902**
Client ID: **CCB**	Batch ID: **44989**		Analysis Date: **8/26/2024**	SeqNo: **1961433**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **CCV-D**	SampType: **CCV**	Units: **µg/L**	Prep Date: **8/26/2024**	RunNo: **93902**
Client ID: **CCV**	Batch ID: **44989**		Analysis Date: **8/26/2024**	SeqNo: **1961447**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.4	0.300	50.00	0	96.7	90	110				

Sample ID: **CCB-D**	SampType: **CCB**	Units: **µg/L**	Prep Date: **8/26/2024**	RunNo: **93902**
Client ID: **CCB**	Batch ID: **44989**		Analysis Date: **8/26/2024**	SeqNo: **1961448**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **CCV-F**	SampType: **CCV**	Units: **µg/L**	Prep Date: **8/26/2024**	RunNo: **93902**
Client ID: **CCV**	Batch ID: **44989**		Analysis Date: **8/26/2024**	SeqNo: **1961623**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	47.2	0.300	50.00	0	94.3	90	110				

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: **CCB-F**	SampType: **CCB**	Units: **µg/L**	Prep Date: **8/26/2024**	RunNo: **93902**
Client ID: **CCB**	Batch ID: **44989**		Analysis Date: **8/26/2024**	SeqNo: **1961624**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **CCV-G**	SampType: **CCV**	Units: **µg/L**	Prep Date: **8/26/2024**	RunNo: **93902**
Client ID: **CCV**	Batch ID: **44989**		Analysis Date: **8/26/2024**	SeqNo: **1961627**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	47.1	0.300	50.00	0	94.2	90	110				

Sample ID: **CCB-G**	SampType: **CCB**	Units: **µg/L**	Prep Date: **8/26/2024**	RunNo: **93902**
Client ID: **CCB**	Batch ID: **44989**		Analysis Date: **8/26/2024**	SeqNo: **1961628**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **8/27/2024**	RunNo: **93902**
Client ID: **ICB**	Batch ID: **44989**		Analysis Date: **8/27/2024**	SeqNo: **1961936**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **ICV**	SampType: **ICV**	Units: **µg/L**	Prep Date: **8/27/2024**	RunNo: **93902**
Client ID: **ICV**	Batch ID: **44989**		Analysis Date: **8/27/2024**	SeqNo: **1961937**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.7	0.300	50.00	0	97.3	90	110				

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: **CCV-A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **8/27/2024**	RunNo: **93902**
Client ID: **CCV**	Batch ID: **44989**		Analysis Date: **8/27/2024**	SeqNo: **1961926**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	50.0	0.300	50.00	0	100	90	110				

Sample ID: **CCB-A**	SampType: **CCB**	Units: **µg/L**	Prep Date: **8/27/2024**	RunNo: **93902**
Client ID: **CCB**	Batch ID: **44989**		Analysis Date: **8/27/2024**	SeqNo: **1961927**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **MB-44989**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **8/26/2024**	RunNo: **93902**
Client ID: **MBLKW**	Batch ID: **44989**		Analysis Date: **8/27/2024**	SeqNo: **1961939**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **CCV-B**	SampType: **CCV**	Units: **µg/L**	Prep Date: **8/27/2024**	RunNo: **93902**
Client ID: **CCV**	Batch ID: **44989**		Analysis Date: **8/27/2024**	SeqNo: **1961942**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	50.4	0.300	50.00	0	101	90	110				

Sample ID: **CCB-B**	SampType: **CCB**	Units: **µg/L**	Prep Date: **8/27/2024**	RunNo: **93902**
Client ID: **CCB**	Batch ID: **44989**		Analysis Date: **8/27/2024**	SeqNo: **1961943**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: **CCV-C**	SampType: **CCV**	Units: **µg/L**	Prep Date: **8/27/2024**	RunNo: **93902**
Client ID: **CCV**	Batch ID: **44989**		Analysis Date: **8/27/2024**	SeqNo: **1961947**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	51.2	0.300	50.00	0	102	90	110				

Sample ID: **CCB-C**	SampType: **CCB**	Units: **µg/L**	Prep Date: **8/27/2024**	RunNo: **93902**
Client ID: **CCB**	Batch ID: **44989**		Analysis Date: **8/27/2024**	SeqNo: **1961948**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **CCV-D**	SampType: **CCV**	Units: **µg/L**	Prep Date: **8/27/2024**	RunNo: **93902**
Client ID: **CCV**	Batch ID: **44989**		Analysis Date: **8/27/2024**	SeqNo: **1961998**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	51.1	0.300	50.00	0	102	90	110				

Sample ID: **CCB-D**	SampType: **CCB**	Units: **µg/L**	Prep Date: **8/27/2024**	RunNo: **93902**
Client ID: **CCB**	Batch ID: **44989**		Analysis Date: **8/27/2024**	SeqNo: **1961999**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

EDB by EPA 8011

Sample ID: **ICV**	SampType: **ICV**	Units: **µg/L**	Prep Date: **4/13/2022**	RunNo: **93892**
Client ID: **ICV**	Batch ID: **44994**		Analysis Date: **8/23/2024**	SeqNo: **1961110**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane (EDB)	0.997	0.0100	1.000	0	99.7	80	120				

Sample ID: **ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **8/23/2024**	RunNo: **93892**
Client ID: **ICB**	Batch ID: **44994**		Analysis Date: **8/23/2024**	SeqNo: **1961111**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane (EDB)	ND	0.0100									

Sample ID: **8011-CCV-44994A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **8/26/2024**	RunNo: **93915**
Client ID: **CCV**	Batch ID: **44994**		Analysis Date: **8/26/2024**	SeqNo: **1961500**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane (EDB)	0.947	0.0100	1.000	0	94.7	80	120				

Sample ID: **MB-44994**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **8/26/2024**	RunNo: **93915**
Client ID: **MBLKW**	Batch ID: **44994**		Analysis Date: **8/26/2024**	SeqNo: **1961490**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane (EDB)	ND	0.0100									

Sample ID: **LCS-44994**	SampType: **LCS**	Units: **µg/L**	Prep Date: **8/26/2024**	RunNo: **93915**
Client ID: **LCSW**	Batch ID: **44994**		Analysis Date: **8/26/2024**	SeqNo: **1961491**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane (EDB)	0.246	0.00996	0.2489	0	99.0	67.6	150				

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

EDB by EPA 8011

Sample ID: **LCSD-44994**	SampType: **LCSD**			Units: **µg/L**		Prep Date: **8/26/2024**			RunNo: **93915**		
Client ID: **LCSW02**	Batch ID: **44994**					Analysis Date: **8/26/2024**			SeqNo: **1961492**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane (EDB)	0.259	0.00997	0.2494	0	104	67.6	150	0.2463	4.93	20	

Sample ID: **8011-CCV-44994B**	SampType: **CCV**			Units: **µg/L**		Prep Date: **8/26/2024**			RunNo: **93915**		
Client ID: **CCV**	Batch ID: **44994**					Analysis Date: **8/26/2024**			SeqNo: **1961499**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane (EDB)	0.953	0.0100	1.000	0	95.3	80	120				

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **HO ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **4/9/2024**	RunNo: **90866**
Client ID: **ICB**	Batch ID: **44970**		Analysis Date: **4/9/2024**	SeqNo: **1894779**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	ND	100									
Surr: 2-Fluorobiphenyl	10.3		10.00		103	50	150				
Surr: o-Terphenyl	10.3		10.00		103	50	150				

Sample ID: **HO ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **4/9/2024**	RunNo: **90866**
Client ID: **ICV**	Batch ID: **44970**		Analysis Date: **4/9/2024**	SeqNo: **1894787**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	584	100	500.0	0	117	70	130				
Surr: 2-Fluorobiphenyl	9.88		10.00		98.8	50	150				
Surr: o-Terphenyl	9.93		10.00		99.3	50	150				

Sample ID: **DX ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **4/9/2024**	RunNo: **90866**
Client ID: **ICB**	Batch ID: **44970**		Analysis Date: **4/9/2024**	SeqNo: **1894788**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	ND	50.0									
Surr: 2-Fluorobiphenyl	9.97		10.00		99.7	50	150				
Surr: o-Terphenyl	10.6		10.00		106	50	150				

Sample ID: **DX ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **4/9/2024**	RunNo: **90866**
Client ID: **ICV**	Batch ID: **44970**		Analysis Date: **4/9/2024**	SeqNo: **1894796**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	478	50.0	500.0	0	95.6	70	130				
Surr: 2-Fluorobiphenyl	9.42		10.00		94.2	50	150				
Surr: o-Terphenyl	11.6		10.00		116	50	150				

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **OIL-CCV-44970A**	SampType: **CCV**			Units: **µg/L**		Prep Date: **8/26/2024**		RunNo: **93895**		
Client ID: **CCV**	Batch ID: **44970**					Analysis Date: **8/26/2024**		SeqNo: **1961199**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	439	150	500.0	0	87.7	85	115				
Surr: 2-Fluorobiphenyl	9.18		10.00		91.8	50	150				
Surr: o-Terphenyl	9.04		10.00		90.4	50	150				

Sample ID: **DX-CCV-44970A**	SampType: **CCV**			Units: **µg/L**		Prep Date: **8/26/2024**		RunNo: **93895**		
Client ID: **CCV**	Batch ID: **44970**					Analysis Date: **8/26/2024**		SeqNo: **1961200**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	461	100	500.0	0	92.3	85	115				
Surr: 2-Fluorobiphenyl	8.71		10.00		87.1	50	150				
Surr: o-Terphenyl	10.3		10.00		103	50	150				

Sample ID: **MB-44970**	SampType: **MBLK**			Units: **µg/L**		Prep Date: **8/23/2024**		RunNo: **93895**		
Client ID: **MBLKW**	Batch ID: **44970**					Analysis Date: **8/26/2024**		SeqNo: **1961201**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	ND	94.1									
Heavy Oil	ND	141									
Total Petroleum Hydrocarbons	ND	235									
Surr: 2-Fluorobiphenyl	18.6		23.53		79.0	50	150				
Surr: o-Terphenyl	18.9		23.53		80.5	50	150				

Sample ID: **LCS-44970**	SampType: **LCS**			Units: **µg/L**		Prep Date: **8/23/2024**		RunNo: **93895**		
Client ID: **LCSW**	Batch ID: **44970**					Analysis Date: **8/26/2024**		SeqNo: **1961202**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	756	232	1,162	0	65.1	42.5	123				
Surr: 2-Fluorobiphenyl	17.3		23.23		74.3	50	150				
Surr: o-Terphenyl	21.8		23.23		93.8	50	150				

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **LCSD-44970**	SampType: **LCSD**	Units: **µg/L**	Prep Date: **8/23/2024**	RunNo: **93895**
Client ID: **LCSW02**	Batch ID: **44970**		Analysis Date: **8/26/2024**	SeqNo: **1961203**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	770	233	1,167	0	66.0	42.5	123	755.9	1.87	30	
Surr: 2-Fluorobiphenyl	17.8		23.34		76.3	50	150		0		
Surr: o-Terphenyl	21.4		23.34		91.9	50	150		0		

Sample ID: **OIL-CCV-44970B**	SampType: **CCV**	Units: **µg/L**	Prep Date: **8/26/2024**	RunNo: **93895**
Client ID: **CCV**	Batch ID: **44970**		Analysis Date: **8/26/2024**	SeqNo: **1961205**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	572	150	500.0	0	114	85	115				
Surr: 2-Fluorobiphenyl	11.0		10.00		110	50	150				
Surr: o-Terphenyl	11.0		10.00		110	50	150				

Sample ID: **DX-CCV-44970B**	SampType: **CCV**	Units: **µg/L**	Prep Date: **8/26/2024**	RunNo: **93895**
Client ID: **CCV**	Batch ID: **44970**		Analysis Date: **8/26/2024**	SeqNo: **1961206**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	467	100	500.0	0	93.5	85	115				
Surr: 2-Fluorobiphenyl	8.67		10.00		86.7	50	150				
Surr: o-Terphenyl	10.4		10.00		104	50	150				

Sample ID: **OIL-CCV-44970C**	SampType: **CCV**	Units: **µg/L**	Prep Date: **8/26/2024**	RunNo: **93895**
Client ID: **CCV**	Batch ID: **44970**		Analysis Date: **8/26/2024**	SeqNo: **1961569**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	482	150	500.0	0	96.4	85	115				
Surr: 2-Fluorobiphenyl	9.01		10.00		90.1	50	150				
Surr: o-Terphenyl	8.95		10.00		89.5	50	150				

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **DX-CCV-44970C** SampType: **CCV** Units: **µg/L** Prep Date: **8/26/2024** RunNo: **93895**
Client ID: **CCV** Batch ID: **44970** Analysis Date: **8/26/2024** SeqNo: **1961570**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	475	100	500.0	0	95.0	85	115				
Surr: 2-Fluorobiphenyl	8.39		10.00		83.9	50	150				
Surr: o-Terphenyl	10.3		10.00		103	50	150				

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: **PAH ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **7/25/2024**	RunNo: **93268**
Client ID: **ICB**	Batch ID: **44929**		Analysis Date: **7/25/2024**	SeqNo: **1946821**

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									
Surr: 2-Fluorobiphenyl	527		500.0		105	50.4	142				
Surr: Terphenyl-d14 (surr)	564		500.0		113	48.8	157				

Sample ID: **PAH ICV**	SampType: **ICV**	Units: **µg/L**	Prep Date: **7/25/2024**	RunNo: **93268**
Client ID: **ICV**	Batch ID: **44929**		Analysis Date: **7/25/2024**	SeqNo: **1946822**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	939	20.0	1,000	0	93.9	70	130				
2-Methylnaphthalene	952	20.0	1,000	0	95.2	70	130				
1-Methylnaphthalene	934	20.0	1,000	0	93.4	70	130				
Surr: 2-Fluorobiphenyl	471		500.0		94.3	60.9	160				
Surr: Terphenyl-d14 (surr)	521		500.0		104	62.2	159				

Sample ID: **CCV-44929A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **8/21/2024**	RunNo: **93851**
Client ID: **CCV**	Batch ID: **44929**		Analysis Date: **8/21/2024**	SeqNo: **1960082**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	931	0.100	1,000	0	93.1	80	120				
2-Methylnaphthalene	922	0.100	1,000	0	92.2	80	120				
1-Methylnaphthalene	927	0.100	1,000	0	92.7	80	120				
Surr: 2-Fluorobiphenyl	474		500.0		94.7	70.2	145				
Surr: Terphenyl-d14	516		500.0		103	71.3	142				

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: **MB-44929** SampType: **MBLK** Units: **µg/L** Prep Date: **8/20/2024** RunNo: **93851**
Client ID: **MBLKW** Batch ID: **44929** Analysis Date: **8/21/2024** SeqNo: **1960083**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.0944									
2-Methylnaphthalene	ND	0.0944									
1-Methylnaphthalene	ND	0.0944									
Surr: 2-Fluorobiphenyl	2.09		2.360		88.4	12.8	129				
Surr: Terphenyl-d14	2.26		2.360		95.9	12.7	150				

Sample ID: **LCS-44929** SampType: **LCS** Units: **µg/L** Prep Date: **8/20/2024** RunNo: **93851**
Client ID: **LCSW** Batch ID: **44929** Analysis Date: **8/21/2024** SeqNo: **1960084**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	0.161	0.0941	0.2352	0	68.3	42.2	95.7				
2-Methylnaphthalene	0.150	0.0941	0.2352	0	63.8	40.9	100				
1-Methylnaphthalene	0.161	0.0941	0.2352	0	68.4	40.4	102				
Surr: 2-Fluorobiphenyl	0.0820		0.1176		69.8	43.2	131				
Surr: Terphenyl-d14	0.0984		0.1176		83.6	46.1	140				

Sample ID: **LCSD-44929** SampType: **LCSD** Units: **µg/L** Prep Date: **8/20/2024** RunNo: **93851**
Client ID: **LCSW02** Batch ID: **44929** Analysis Date: **8/21/2024** SeqNo: **1960085**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	0.172	0.0936	0.2340	0	73.4	42.2	95.7	0.1606	6.68	30	
2-Methylnaphthalene	0.163	0.0936	0.2340	0	69.6	40.9	100	0.1502	8.09	30	
1-Methylnaphthalene	0.171	0.0936	0.2340	0	72.9	40.4	102	0.1608	5.90	30	
Surr: 2-Fluorobiphenyl	0.0887		0.1170		75.8	43.2	131		0		
Surr: Terphenyl-d14	0.102		0.1170		86.8	46.1	140		0		

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: **CCV-44929B** SampType: **CCV** Units: **µg/L** Prep Date: **8/22/2024** RunNo: **93851**
Client ID: **CCV** Batch ID: **44929** Analysis Date: **8/22/2024** SeqNo: **1960087**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	869	0.100	1,000	0	86.9	80	120				
2-Methylnaphthalene	816	0.100	1,000	0	81.6	80	120				
1-Methylnaphthalene	836	0.100	1,000	0	83.6	80	120				
Surr: 2-Fluorobiphenyl	385		500.0		76.9	70.2	145				
Surr: Terphenyl-d14	414		500.0		82.8	71.3	142				

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **8/22/2024**	RunNo: **93890**
Client ID: **ICB**	Batch ID: **44941**		Analysis Date: **8/22/2024**	SeqNo: **1961048**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	60.5	50.0									
Surr: Toluene-d8	23.5		25.00		94.1	65	135				
Surr: 4-Bromofluorobenzene	23.3		25.00		93.4	65	135				

Sample ID: **ICV**	SampType: **ICV**	Units: **µg/L**	Prep Date: **8/22/2024**	RunNo: **93890**
Client ID: **ICV**	Batch ID: **44941**		Analysis Date: **8/22/2024**	SeqNo: **1961049**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	467	50.0	500.0	0	93.4	80	120				
Surr: Toluene-d8	23.9		25.00		95.6	65	135				
Surr: 4-Bromofluorobenzene	24.0		25.00		96.1	65	135				

Sample ID: **GX-CCV-A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **8/23/2024**	RunNo: **93932**
Client ID: **CCV**	Batch ID: **44956**		Analysis Date: **8/23/2024**	SeqNo: **1961832**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	524	50.0	500.0	0	105	80	120				
Surr: Toluene-d8	24.2		25.00		96.9	65	135				
Surr: 4-Bromofluorobenzene	24.5		25.00		97.8	65	135				

Sample ID: **LCS-44956**	SampType: **LCS**	Units: **µg/L**	Prep Date: **8/22/2024**	RunNo: **93932**
Client ID: **LCSW**	Batch ID: **44956**		Analysis Date: **8/23/2024**	SeqNo: **1961841**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	524	100	500.0	0	105	65	135				
Surr: Toluene-d8	24.2		25.00		96.9	65	135				
Surr: 4-Bromofluorobenzene	24.5		25.00		97.8	65	135				

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **MB-44956** SampType: **MBLK** Units: **µg/L** Prep Date: **8/22/2024** RunNo: **93932**
Client ID: **MBLKW** Batch ID: **44956** Analysis Date: **8/23/2024** SeqNo: **1961833**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	100									
Surr: Toluene-d8	23.6		25.00		94.5	65	135				
Surr: 4-Bromofluorobenzene	22.8		25.00		91.1	65	135				

Sample ID: **GX-CCV-B** SampType: **CCV** Units: **µg/L** Prep Date: **8/23/2024** RunNo: **93932**
Client ID: **CCV** Batch ID: **44956** Analysis Date: **8/23/2024** SeqNo: **1961840**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	487	50.0	500.0	0	97.4	80	120				
Surr: Toluene-d8	24.4		25.00		97.7	65	135				
Surr: 4-Bromofluorobenzene	24.6		25.00		98.5	65	135				

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D

Sample ID: **ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **8/17/2024**	RunNo: **93722**
Client ID: **ICB**	Batch ID: **44941**		Analysis Date: **8/17/2024**	SeqNo: **1957307**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.0250									
1,2-Dichloroethane (EDC)	0.0284	0.0250									
Benzene	ND	0.0120									
Toluene	ND	0.0250									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Surr: Dibromofluoromethane	25.1		25.00		100	80	120				
Surr: Toluene-d8	25.5		25.00		102	80	120				
Surr: 1-Bromo-4-fluorobenzene	26.2		25.00		105	80	120				

Sample ID: **ICV**	SampType: **ICV**	Units: **µg/L**	Prep Date: **8/17/2024**	RunNo: **93722**
Client ID: **ICV**	Batch ID: **44941**		Analysis Date: **8/17/2024**	SeqNo: **1957308**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	19.6	0.0250	20.00	0	98.2	70	130				
1,2-Dichloroethane (EDC)	21.4	0.0250	20.00	0	107	70	130				
Benzene	20.8	0.0120	20.00	0	104	70	130				
Toluene	21.2	0.0250	20.00	0	106	70	130				
Ethylbenzene	20.7	0.0250	20.00	0	103	70	130				
m,p-Xylene	41.7	0.0500	40.00	0	104	70	130				
o-Xylene	21.1	0.0250	20.00	0	105	70	130				
Surr: Dibromofluoromethane	26.4		25.00		105	80	120				
Surr: Toluene-d8	25.3		25.00		101	80	120				
Surr: 1-Bromo-4-fluorobenzene	24.4		25.00		97.5	80	120				

Sample ID: **VOC-CCV-93964A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **8/21/2024**	RunNo: **93964**
Client ID: **CCV**	Batch ID: **44941**		Analysis Date: **8/21/2024**	SeqNo: **1962388**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	20.5	0.500	20.00	0	103	80	120				

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D

Sample ID: **VOC-CCV-93964A** SampType: **CCV** Units: **µg/L** Prep Date: **8/21/2024** RunNo: **93964**
Client ID: **CCV** Batch ID: **44941** Analysis Date: **8/21/2024** SeqNo: **1962388**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane (EDC)	22.8	0.200	20.00	0	114	80	120				
Benzene	23.5	0.200	20.00	0	118	80	120				
Toluene	24.0	0.500	20.00	0	120	80	120				
Ethylbenzene	21.0	0.500	20.00	0	105	80	120				
m,p-Xylene	41.2	1.00	40.00	0	103	80	120				
o-Xylene	21.1	0.500	20.00	0	105	80	120				
Surr: Dibromofluoromethane	29.6		25.00		118	80	120				
Surr: Toluene-d8	27.8		25.00		111	80	120				
Surr: 1-Bromo-4-fluorobenzene	24.9		25.00		99.4	80	120				

Sample ID: **LCS-44941** SampType: **LCS** Units: **µg/L** Prep Date: **8/21/2024** RunNo: **93964**
Client ID: **LCSW** Batch ID: **44941** Analysis Date: **8/21/2024** SeqNo: **1962402**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	20.5	0.500	20.00	0	103	80	120				
1,2-Dichloroethane (EDC)	22.8	0.200	20.00	0	114	80	120				
Benzene	23.5	0.200	20.00	0	118	80	120				
Toluene	24.0	0.500	20.00	0	120	80	120				
Ethylbenzene	21.0	0.500	20.00	0	105	80	120				
m,p-Xylene	41.2	1.00	40.00	0	103	80	120				
o-Xylene	21.1	0.500	20.00	0	105	80	120				
Surr: Dibromofluoromethane	29.6		25.00		118	82.4	122.4				
Surr: Toluene-d8	27.8		25.00		111	81.4	121.4				
Surr: 1-Bromo-4-fluorobenzene	24.9		25.00		99.4	80.1	120.1				

Sample ID: **MB-44941** SampType: **MBLK** Units: **µg/L** Prep Date: **8/21/2024** RunNo: **93964**
Client ID: **MBLKW** Batch ID: **44941** Analysis Date: **8/21/2024** SeqNo: **1962389**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.500									
1,2-Dichloroethane (EDC)	ND	0.200									

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D

Sample ID: **MB-44941** SampType: **MBLK** Units: **µg/L** Prep Date: **8/21/2024** RunNo: **93964**
Client ID: **MBLKW** Batch ID: **44941** Analysis Date: **8/21/2024** SeqNo: **1962389**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.200									
Toluene	ND	0.500									
Ethylbenzene	ND	0.500									
m,p-Xylene	ND	1.00									
o-Xylene	ND	0.500									
Surr: Dibromofluoromethane	25.5		25.00		102	80	120				
Surr: Toluene-d8	29.1		25.00		116	80	120				
Surr: 1-Bromo-4-fluorobenzene	26.4		25.00		106	80	120				

Sample ID: **2408312-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **8/21/2024** RunNo: **93964**
Client ID: **GEI-11_082024** Batch ID: **44941** Analysis Date: **8/21/2024** SeqNo: **1962393**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.500						0		30	
1,2-Dichloroethane (EDC)	ND	0.200						0		30	
Benzene	ND	0.200						0		30	
Toluene	ND	0.500						0		30	
Ethylbenzene	ND	0.500						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	0.500						0		30	
Surr: Dibromofluoromethane	26.2		25.00		105	82.4	122.4		0		
Surr: Toluene-d8	29.0		25.00		116	81.4	121.4		0		
Surr: 1-Bromo-4-fluorobenzene	27.4		25.00		110	80.1	120.1		0		

Sample ID: **2408312-002AMS** SampType: **MS** Units: **µg/L** Prep Date: **8/21/2024** RunNo: **93964**
Client ID: **GEI-12_082024** Batch ID: **44941** Analysis Date: **8/21/2024** SeqNo: **1962401**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	26.9	0.500	20.00	0	135	66.3	142				
1,2-Dichloroethane (EDC)	28.2	0.200	20.00	0	141	70.5	134				S
Benzene	27.1	0.200	20.00	0	136	71.5	141				

Work Order: 2408312
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D

Sample ID: **2408312-002AMS** SampType: **MS** Units: **µg/L** Prep Date: **8/21/2024** RunNo: **93964**
Client ID: **GEI-12_082024** Batch ID: **44941** Analysis Date: **8/21/2024** SeqNo: **1962401**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	27.9	0.500	20.00	0	139	70.9	138				S
Ethylbenzene	21.7	0.500	20.00	0	108	77.1	130				
m,p-Xylene	41.8	1.00	40.00	0	104	75.7	131				
o-Xylene	20.6	0.500	20.00	0	103	73	132				
Surr: Dibromofluoromethane	31.5		25.00		126	82.4	122.4				S
Surr: Toluene-d8	29.7		25.00		119	81.4	121.4				
Surr: 1-Bromo-4-fluorobenzene	25.5		25.00		102	80.1	120.1				

NOTES:
S - Outlying spike recoveries were associated with this sample.

Sample Log-In Check List

Client Name:	GEI	Work Order Number:	2408312
Logged by:	Morgan Wilson	Date Received:	8/20/2024 3:20:00 PM

Chain of Custody

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

Log In

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

Special Handling (if applicable)

16. 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:			

17. Additional remarks:

Item Information

Item #	Temp ºC
Sample	5.4

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

Fremont Analytical
An Alliance Technical Group Company
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Chain of Custody Record & Laboratory Services Agreement

Date: 08/20.2024 Page: 1 of: 1

Laboratory Project No (internal): 2408312

Project Name: 701/709 South Jackson

Special Remarks:

Client: GeoEngineers

Project No: 24504-001-04

Address: 2101 4th Avenue, Suite 950

Collected by: Michael Ysaguirre

City, State, Zip: Seattle, WA 98121

Location: Seattle, WA

Telephone: 206.240.2300

Report To (PM): Robert Trahan

Disposal: Samples will be disposed in 30 days unless otherwise requested. ☐ Retain volume (specify above) ☐ Return to client

Email(s): rtrahan@geoengineers.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)	EDC,MTBE (8260)	Naphthalenes (8270)	Comments
1	GEI-11_082024	8/20/24	1050	W	10		X	X		X				X	TD		X	X	X	
2	GEI-12_082024	8/20/24	1200	W	10		X	X		X				X	TD		X	X	X	Lab Filter for dissolved metals
3	GEI-13_082024	8/20/24	1330	W	10		X	X		X				X	TD		X	X	X	Lab Filter for dissolved metals
4	Dup_082024	8/20/24	--	W	10		X	X		X				X	TD		X	X	X	
5	Trip Blank	n/a	--	W	1		X	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

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	Michael Ysaguirre	8/20/24 1518	x	Nathan Weller	8/20/24 1520
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

DATA SET for Review - Deliverable Requirements

Diesel and Heavy Oil by NWTPH-Dx

Fremont Analytical Work Order No. 2408312

GeoEngineers

Project Name: 701/709 South Jackson

Project Number: 24504-001-04

This data set contains the following:

- Analytical Sequence Summary
- Calibration Information

Injection Log

Data Directory: D:\GC-24\Data\2024\240409FRONT\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 04090050.D	DX_220112.M			
No data found			0.000	N/A
2) 04090049.D	DX_220112.M			
No data found			0.000	N/A
3) 04090002.D	DX_220112.M			
CO		150	1.000	09 Apr 2024 11:13 am
4) 04090004.D	DX_220112.M			
HO ICB		28	1.000	09 Apr 2024 11:24 am
5) 04090006.D	DX_220112.M			
HO ICB rr		28	1.000	09 Apr 2024 11:34 am
6) 04090008.D	DX_220112.M			
HO 20		21	1.000	09 Apr 2024 11:45 am
7) 04090010.D	DX_220112.M			
HO 100		22	1.000	09 Apr 2024 11:56 am
8) 04090012.D	DX_220112.M			
HO 500		23	1.000	09 Apr 2024 12:07 pm
9) 04090014.D	DX_220112.M			
HO 1000		24	1.000	09 Apr 2024 12:18 pm
10) 04090016.D	DX_220112.M			
HO 2000		25	1.000	09 Apr 2024 12:29 pm
11) 04090018.D	DX_220112.M			
HO 5000		26	1.000	09 Apr 2024 12:39 pm
12) 04090020.D	DX_220112.M			
HO 10000		27	1.000	09 Apr 2024 12:50 pm
13) 04090022.D	DX_220112.M			
CO		150	1.000	09 Apr 2024 01:01 pm
14) 04090024.D	DX_220112.M			
CO		150	1.000	09 Apr 2024 01:12 pm
15) 04090026.D	DX_220112.M			
HO ICV		29	1.000	09 Apr 2024 01:23 pm
16) 04090028.D	DX_220112.M			
CO		150	1.000	09 Apr 2024 01:34 pm
17) 04090030.D	DX_220112.M			
DX ICB		18	1.000	09 Apr 2024 01:45 pm
18) 04090032.D	DX_220112.M			
DX 20		11	1.000	09 Apr 2024 01:55 pm
19) 04090034.D	DX_220112.M			
DX 100		12	1.000	09 Apr 2024 02:06 pm
20) 04090036.D	DX_220112.M			
DX 500		13	1.000	09 Apr 2024 02:17 pm
21) 04090038.D	DX_220112.M			
DX 1000		14	1.000	09 Apr 2024 02:28 pm

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 22) 04090040.D            DX_220112.M
DX 2000                                  15    1.000     09 Apr 2024  02:39 pm
  ----------------------------------------------------------------------------
 23) 04090042.D            DX_220112.M
DX 5000                                  16    1.000     09 Apr 2024  02:49 pm
  ----------------------------------------------------------------------------
 24) 04090044.D            DX_220112.M
DX 10000                                 17    1.000     09 Apr 2024  03:00 pm
  ----------------------------------------------------------------------------
 25) 04090046.D            DX_220112.M
DX ICV                                   19    1.000     09 Apr 2024  03:11 pm
  ----------------------------------------------------------------------------
 26) 04090048.D            DX_220112.M
OIL-CCV                                   2    1.000     09 Apr 2024  03:22 pm
  ----------------------------------------------------------------------------
```

Injection Log

Data Directory: D:\GC-24\Data\2024\240826FRONT\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	08260002.D	DX_220112.M			
CO			150	1.000	26 Aug 2024 08:44 am
2)	08260004.D	DX_220112.M			
CO			150	1.000	26 Aug 2024 08:56 am
3)	08260006.D	DX_220112.M			
OIL-CCV			2	1.000	26 Aug 2024 09:08 am
4)	08260008.D	DX_220112.M			
DX-CCV			1	1.000	26 Aug 2024 09:20 am
5)	08260010.D	DX_220112.M			
CO			150	1.000	26 Aug 2024 09:31 am
6)	08260012.D	DX_220112.M			
OIL-CCV			2	1.000	26 Aug 2024 10:36 am
7)	08260014.D	DX_220112.M			
DX-CCV			1	1.000	26 Aug 2024 10:47 am
8)	08260016.D	DX_220112.M			
CO			150	1.000	26 Aug 2024 10:59 am
9)	08260018.D	DX_220112.M			
MB-44970			91	1.000	26 Aug 2024 12:39 pm
10)	08260020.D	DX_220112.M			
LCS-44970			92	1.000	26 Aug 2024 12:51 pm
11)	08260022.D	DX_220112.M			
LCSD-44970			93	1.000	26 Aug 2024 01:03 pm
12)	08260024.D	DX_220112.M			
2408411-001A			112	1.000	26 Aug 2024 01:15 pm
13)	08260026.D	DX_220112.M			
CO			150	1.000	26 Aug 2024 01:27 pm
14)	08260028.D	DX_220112.M			
OIL-CCV			2	1.000	26 Aug 2024 01:39 pm
15)	08260030.D	DX_220112.M			
DX-CCV			1	1.000	26 Aug 2024 01:50 pm
16)	08260032.D	DX_220112.M			
CO			150	1.000	26 Aug 2024 02:02 pm
17)	08260034.D	DX_220112.M			
2408312-001B			94	1.000	26 Aug 2024 05:10 pm
18)	08260036.D	DX_220112.M			
2408312-002B			95	1.000	26 Aug 2024 05:22 pm
19)	08260038.D	DX_220112.M			
2408312-003B			96	1.000	26 Aug 2024 05:34 pm
20)	08260040.D	DX_220112.M			
2408312-004B			97	1.000	26 Aug 2024 05:46 pm
21)	08260042.D	DX_220112.M			
2408346-001B			99	1.000	26 Aug 2024 05:58 pm

22) 08260044.D DX_220112.M
2408346-002B 100 1.000 26 Aug 2024 06:10 pm

23) 08260046.D DX_220112.M
2408346-003B 101 1.000 26 Aug 2024 06:22 pm

24) 08260048.D DX_220112.M
2408350-001B 102 1.000 26 Aug 2024 06:34 pm

25) 08260050.D DX_220112.M
2408357-001B 103 1.000 26 Aug 2024 06:45 pm

26) 08260052.D DX_220112.M
2408357-002B 104 1.000 26 Aug 2024 06:57 pm

27) 08260054.D DX_220112.M
2408357-003B 105 1.000 26 Aug 2024 07:09 pm

28) 08260056.D DX_220112.M
2408358-001B 106 1.000 26 Aug 2024 07:21 pm

29) 08260058.D DX_220112.M
2408390-001B 108 1.000 26 Aug 2024 07:33 pm

30) 08260060.D DX_220112.M
2408343-003A 98 1.000 26 Aug 2024 07:45 pm

31) 08260062.D DX_220112.M
CO 150 1.000 26 Aug 2024 07:57 pm

32) 08260064.D DX_220112.M
2408384-001A 107 1.000 26 Aug 2024 08:09 pm

33) 08260066.D DX_220112.M
CO 150 1.000 26 Aug 2024 08:20 pm

34) 08260068.D DX_220112.M
CO 150 1.000 26 Aug 2024 08:32 pm

35) 08260070.D DX_220112.M
OIL-CCV 2 1.000 26 Aug 2024 08:44 pm

36) 08260072.D DX_220112.M
DX-CCV 1 1.000 26 Aug 2024 08:56 pm

37) 08260074.D DX_220112.M
CO 150 1.000 26 Aug 2024 09:08 pm

38) 08260076.D DX_220112.M
MB-44973 121 1.000 26 Aug 2024 09:20 pm

39) 08260078.D DX_220112.M
LCS-44973 122 1.000 26 Aug 2024 09:32 pm

40) 08260080.D DX_220112.M
2408391-005A 123 1.000 26 Aug 2024 09:44 pm

41) 08260082.D DX_220112.M
2408391-007A 124 1.000 26 Aug 2024 09:56 pm

42) 08260084.D DX_220112.M
2408391-008A 125 1.000 26 Aug 2024 10:08 pm

43) 08260086.D DX_220112.M
2408391-010A 126 1.000 26 Aug 2024 10:20 pm

44) 08260088.D DX_220112.M
2408391-010AMS 127 1.000 26 Aug 2024 10:31 pm

45) 08260090.D DX_220112.M

2408391-010AMSD 128 1.000 26 Aug 2024 10:43 pm

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46) 08260092.D DX_220112.M
2408391-011A 129 1.000 26 Aug 2024 10:55 pm

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47) 08260094.D DX_220112.M
2408391-013A 130 1.000 26 Aug 2024 11:07 pm

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48) 08260096.D DX_220112.M
2408391-014A 131 1.000 26 Aug 2024 11:19 pm

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49) 08260098.D DX_220112.M
2408403-001A 132 1.000 26 Aug 2024 11:31 pm

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50) 08260100.D DX_220112.M
2408403-002A 133 1.000 26 Aug 2024 11:43 pm

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51) 08260102.D DX_220112.M
CO 150 1.000 26 Aug 2024 11:55 pm

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52) 08260104.D DX_220112.M
OIL-CCV 2 1.000 27 Aug 2024 12:07 am

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53) 08260106.D DX_220112.M
DX-CCV 1 1.000 27 Aug 2024 12:18 am

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54) 08260108.D DX_220112.M
CO 150 1.000 27 Aug 2024 12:30 am

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55) 08260110.D DX_220112.M
2408403-003A 134 1.000 27 Aug 2024 12:42 am

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56) 08260112.D DX_220112.M
2408403-004A 135 1.000 27 Aug 2024 12:54 am

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57) 08260114.D DX_220112.M
2408403-005A 136 1.000 27 Aug 2024 01:06 am

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58) 08260116.D DX_220112.M
2408403-006A 137 1.000 27 Aug 2024 01:18 am

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59) 08260118.D DX_220112.M
2408403-007A 138 1.000 27 Aug 2024 01:30 am

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60) 08260120.D DX_220112.M
2408403-009A 140 1.000 27 Aug 2024 01:42 am

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61) 08260122.D DX_220112.M
2408403-010A 141 1.000 27 Aug 2024 01:54 am

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62) 08260124.D DX_220112.M
2408403-010ADUP 142 1.000 27 Aug 2024 02:06 am

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63) 08260126.D DX_220112.M
2408403-011A 143 1.000 27 Aug 2024 02:17 am

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64) 08260128.D DX_220112.M
2408403-012A 144 1.000 27 Aug 2024 02:29 am

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65) 08260130.D DX_220112.M
2408403-013A 145 1.000 27 Aug 2024 02:41 am

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66) 08260132.D DX_220112.M
2408403-008A 139 1.000 27 Aug 2024 02:53 am

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67) 08260134.D DX_220112.M
CO 150 1.000 27 Aug 2024 03:05 am

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68) 08260136.D DX_220112.M
CO 150 1.000 27 Aug 2024 03:17 am

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  ------------------------------------------------------------------------------
 69) 08260138.D            DX_220112.M
OIL-CCV                                  2    1.000     27 Aug 2024  03:29 am
  ------------------------------------------------------------------------------
 70) 08260140.D            DX_220112.M
DX-CCV                                   1    1.000     27 Aug 2024  03:41 am
  ------------------------------------------------------------------------------
 71) 08260142.D            DX_220112.M
CO                                     150    1.000     27 Aug 2024  03:52 am
  ------------------------------------------------------------------------------
```

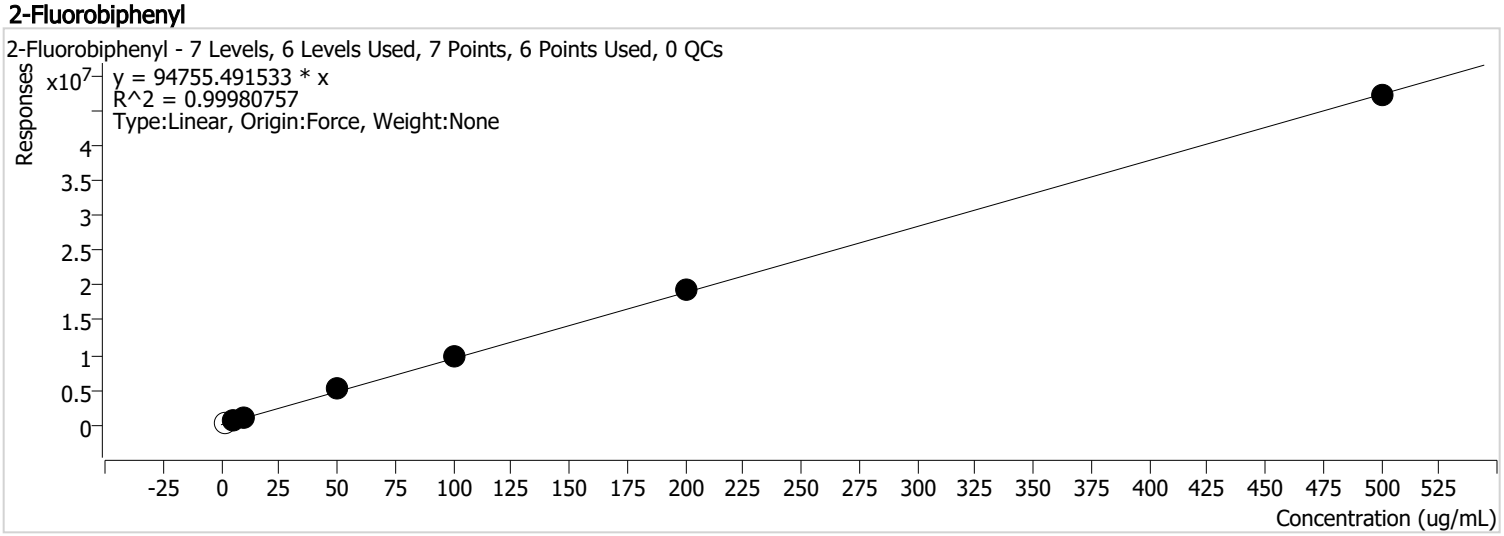
Calibration

Calibration Report

Agilent Technologies

Batch Path	D:\GC-24\Data\2024\240409FRONT\QuantResults\DX HO Cal.batch.bin		
Analysis Time	4/9/2024 3:35:36 PM	**Analyst Name**	FA\GC24
Report Time	4/9/2024 3:37:09 PM	**Reporter Name**	GC24
Last Calib Update	4/9/2024 3:34:13 PM	**Batch State**	Processed

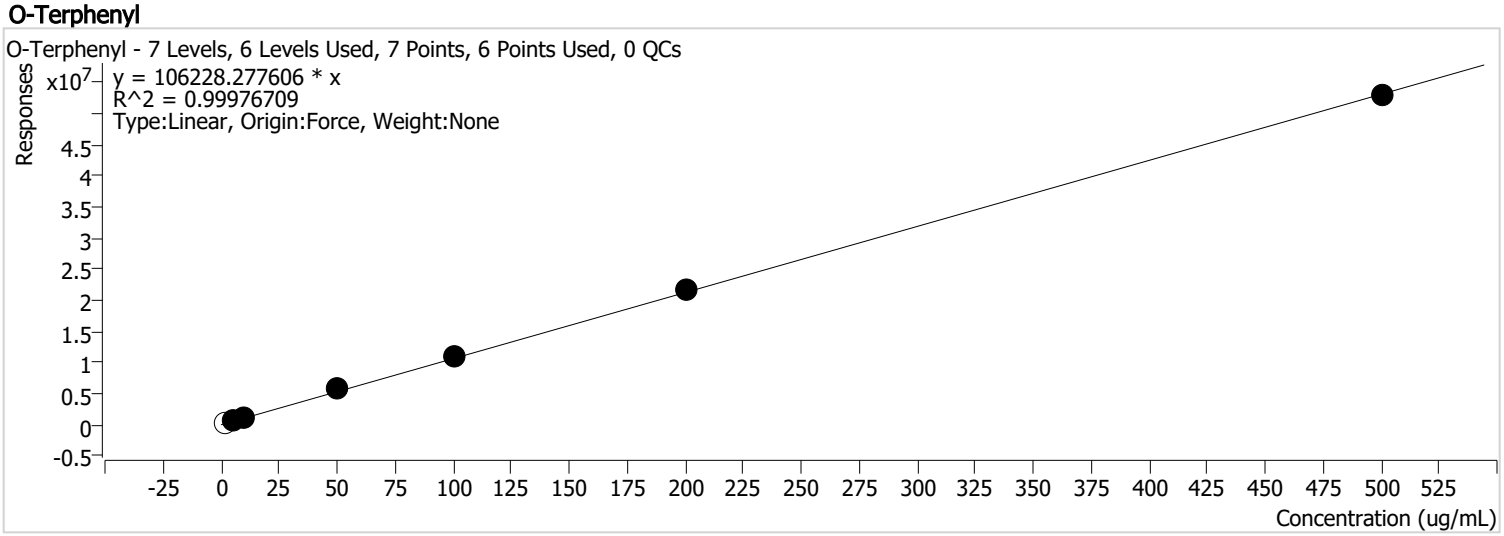
2-Fluorobiphenyl



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\GC-24\Data\2024\240409FRONT\04090008.D	Calibration	1		108737	2.0000	54368.3729
D:\GC-24\Data\2024\240409FRONT\04090010.D	Calibration	2	x	526763	5.0000	105352.6189
D:\GC-24\Data\2024\240409FRONT\04090012.D	Calibration	3	x	941145	10.0000	94114.5331
D:\GC-24\Data\2024\240409FRONT\04090014.D	Calibration	4	x	5087405	50.0000	101748.0975
D:\GC-24\Data\2024\240409FRONT\04090016.D	Calibration	5	x	9687983	100.0000	96879.8320
D:\GC-24\Data\2024\240409FRONT\04090018.D	Calibration	6	x	19256759	200.0000	96283.7947
D:\GC-24\Data\2024\240409FRONT\04090020.D	Calibration	7	x	47177630	500.0000	94355.2600

Batch Path	D:\GC-24\Data\2024\240409FRONT\QuantResults\DX HO Cal.batch.bin		
Analysis Time	4/9/2024 3:35:36 PM	**Analyst Name**	FA\GC24
Report Time	4/9/2024 3:37:11 PM	**Reporter Name**	GC24
Last Calib Update	4/9/2024 3:34:13 PM	**Batch State**	Processed

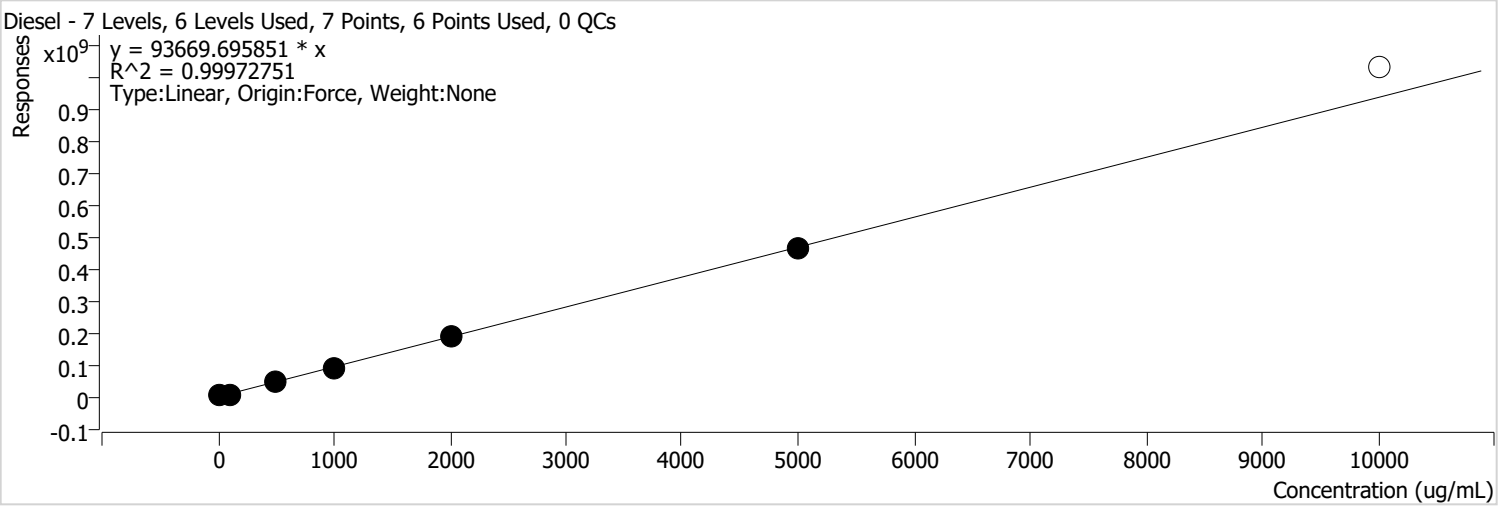
O-Terphenyl



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\GC-24\Data\2024\240409FRONT\04090008.D	Calibration	1		122247	2.0000	61123.7050
D:\GC-24\Data\2024\240409FRONT\04090010.D	Calibration	2	x	585252	5.0000	117050.4960
D:\GC-24\Data\2024\240409FRONT\04090012.D	Calibration	3	x	1067239	10.0000	106723.8862
D:\GC-24\Data\2024\240409FRONT\04090014.D	Calibration	4	x	5728591	50.0000	114571.8154
D:\GC-24\Data\2024\240409FRONT\04090016.D	Calibration	5	x	10852786	100.0000	108527.8597
D:\GC-24\Data\2024\240409FRONT\04090018.D	Calibration	6	x	21655546	200.0000	108277.7295
D:\GC-24\Data\2024\240409FRONT\04090020.D	Calibration	7	x	52861833	500.0000	105723.6662

Batch Path	D:\GC-24\Data\2024\240409FRONT\QuantResults\DX HO Cal.batch.bin		
Analysis Time	4/9/2024 3:35:36 PM	**Analyst Name**	FA\GC24
Report Time	4/9/2024 3:37:11 PM	**Reporter Name**	GC24
Last Calib Update	4/9/2024 3:34:13 PM	**Batch State**	Processed

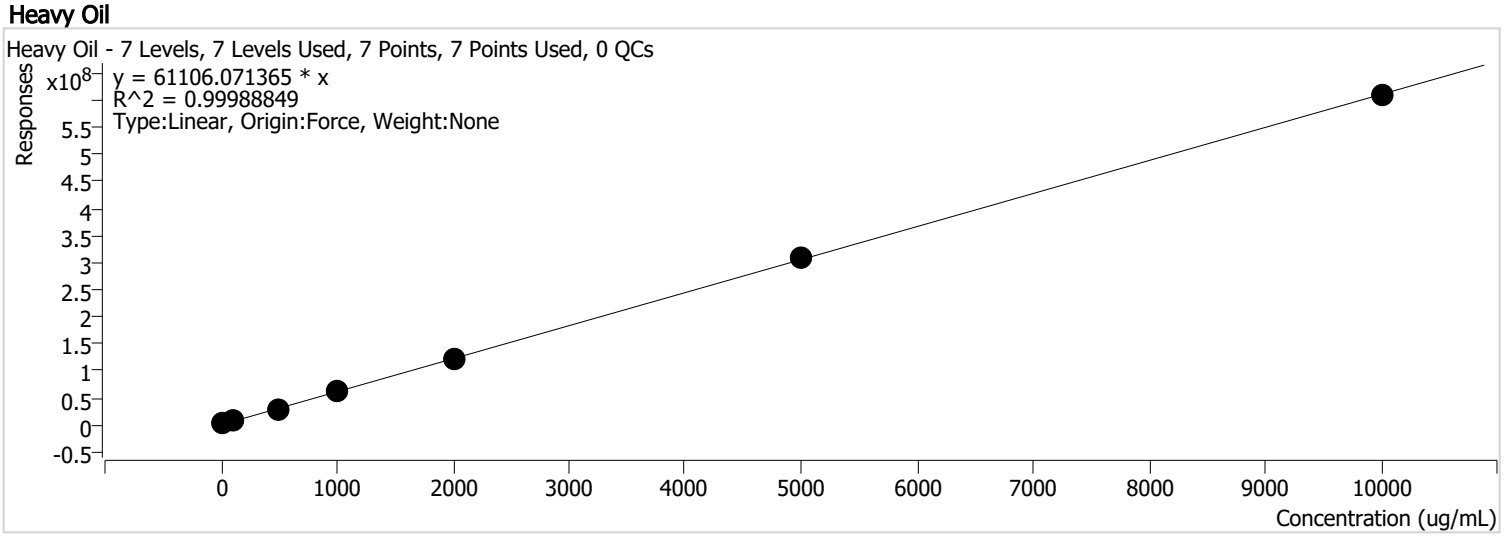
Diesel



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\GC-24\Data\2024\240409FRONT\04090032.D	Calibration	1	x	1669720	20.0000	83485.9944
D:\GC-24\Data\2024\240409FRONT\04090034.D	Calibration	2	x	8858734	100.0000	88587.3447
D:\GC-24\Data\2024\240409FRONT\04090036.D	Calibration	3	x	44469581	500.0000	88939.1616
D:\GC-24\Data\2024\240409FRONT\04090038.D	Calibration	4	x	90064304	1000.0000	90064.3038
D:\GC-24\Data\2024\240409FRONT\04090040.D	Calibration	5	x	192150967	2000.0000	96075.4834
D:\GC-24\Data\2024\240409FRONT\04090042.D	Calibration	6	x	467392434	5000.0000	93478.4867
D:\GC-24\Data\2024\240409FRONT\04090044.D	Calibration	7		1029509249	10000.0000	102950.9249

Batch Path	D:\GC-24\Data\2024\240409FRONT\QuantResults\DX HO Cal.batch.bin		
Analysis Time	4/9/2024 3:35:36 PM	**Analyst Name**	FA\GC24
Report Time	4/9/2024 3:37:11 PM	**Reporter Name**	GC24
Last Calib Update	4/9/2024 3:34:13 PM	**Batch State**	Processed

Heavy Oil



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\GC-24\Data\2024\240409FRONT\04090008.D	Calibration	1	x	1381197	20.0000	69059.8471
D:\GC-24\Data\2024\240409FRONT\04090010.D	Calibration	2	x	6448573	100.0000	64485.7256
D:\GC-24\Data\2024\240409FRONT\04090012.D	Calibration	3	x	29879419	500.0000	59758.8383
D:\GC-24\Data\2024\240409FRONT\04090014.D	Calibration	4	x	63343436	1000.0000	63343.4359
D:\GC-24\Data\2024\240409FRONT\04090016.D	Calibration	5	x	123167055	2000.0000	61583.5274
D:\GC-24\Data\2024\240409FRONT\04090018.D	Calibration	6	x	310007745	5000.0000	62001.5491
D:\GC-24\Data\2024\240409FRONT\04090020.D	Calibration	7	x	608437284	10000.0000	60843.7284

Heavy Oil Calibration

Date: 3/29/24 **Oil CAL STD:** 28889 Concentration: 50,000 ug/L

Analyst: Alex Pates **Oil ICV (SS):** 27047 Concentration: 50,000 ug/L

MeCl2: 8059 **SURROGATE:** 29510 Concentration: 1,000 ug/L

1 3 2

	Calibration Point (ppm)	Surr Cal Point (ppm)	MeCl2 (uL)	STD Conc (ppm)	STD Amt (uL)	Surr Amt (uL)	Final Vol. (mL)	Comments
21	20	2	980	1000*	20*	-	1	*Note: the 1000 point w/ HO and surr will be used to make points 100 and 20
22	100	5	900	1000*	100*	-	1	
23	500	10	980	50,000	10	10	1	
24	1000*	50	930	50,000	20	50	1	
25	2000	100	860	50,000	40	100	1	
26	5000	200	700	50,000	100	200	1	
27	10000	500 -	300 ~~800~~ AHP 3/29/24	50,000	200	500 -	1	
28	ICB	-	990	-	-	10	1	
29	ICV (500)	10	980	50,000 SS	10	10	1	

Signature and Date: Alex Pates 3/29/24

Signature: ADK

Diesel Calibration

Date: 3/29/24 **DX CAL STD:** 29114 Concentration: 50,000 ug/L

Analyst: Alex Pates **DX ICV (SS):** 28397 Concentration: 50,000 ug/L

MeCl2: 8059 **Surr:** 29510 Concentration 1000 mg/L

	Calibration Point (ppm)	MeCl2 (uL)	STD Conc (ppm)	STD Amt (uL)	Surr (uL)	Final Vol. (mL)	Comments
11	20	980	1000*	20	-	1	
12	100	900	1000*	100	-	1	
13	500	990	50,000	10	-	1	
14	1000*	980	50,000	20	-	1	
15	2000	960	50,000	40	-	1	
16	5000	900	50,000	100	-	1	*Note: the 1000 point will be used to make points 100 and 20
17	10000	800	50,000	200	-	1	
18	ICB	990 ~~980~~ AHP 3/29/24	-	-	10	1	
19	ICV (500)	980 ~~970~~ AHP 3/29/24	50,000 SS	10	10	1	

Signature and Date: Alex Pates 3/29/24

Signature: ADK

Supporting Data

Diesel Water Prep Bench Sheet

Analyst:	DZ
Date and Time:	8/23/24
Batch:	44970

Notes / Modifications

Equipment	
Type	ID
Balance:	24
Solvent Dispenser:	5
Buchi:	2
Other:	

Bottle Roller Times	
Roller START:	1800
Roller STOP:	8:00
Roller START:	
Roller STOP:	

Buchi Concentration Times	
Buchi START:	10:57
Buchi STOP:	12:27
Buchi START:	3:11
Buchi STOP:	

Spikes / Chemicals / Reagents	Omega ID DZ 8/23/24	Amount Used
Diesel Surrogate 1,000 ug/mL	~~24995~~ 30258	10 µL
Diesel Spike 50,000 ug/mL	24697	10 µL
1:1 Sulfuric Acid	6805	~1 mL
pH strips	70210	1/Each
Methylene Chloride	42499	70 mL
Sodium Sulfate	4265	~5 g
Silica Gel [Circle One: YES / NO]		

Final Volume Before Analysis	1 mL

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date
	DZ 8/23/24

Samples verified pH < 2	Initial/Date
	ZD 8/23/24

Dilutions	
Sample ID	Dilution Description

Sign and date below if you contributed to this preparation batch
Zachary D 8/23/24
8/23/24

Signature: AK
Dx-W Prep Bench Sheet v1.2

Official Approval: 2/19/2021

Fremont Analytical, Inc

PREP BATCH REPORT

Prep Start Date: **8/23/2024 11:28:52**
Prep End Date: **8/23/2024 1:02:43 P**
Technician: **Drake Imanishi**

Prep Factor Units: mL / mL

Prep Batch ID: **44970** Prep Code: **PREP-DX-W** Method No: **SW3510C**

Sample ID	ClientSampleID		Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
FRONT								
MB-44970		91	Unknown	425.03	1	0.002	8/23/2024	8/23/2024
LCS-44970		92	Unknown	430.42	1	0.002	8/23/2024	8/23/2024
LCSD-44970		93	Unknown	428.49	1	0.002	8/23/2024	8/23/2024
2408312-001B	GEI-11_082024	94	Water	435.35	1	0.002	8/23/2024	8/23/2024
2408312-002B	GEI-12_082024	95	Water	434.5	1	0.002	8/23/2024	8/23/2024
2408312-003B	GEI-13_082024	96	Water	428.86	1	0.002	8/23/2024	8/23/2024
2408312-004B	Dup_082024	97	Water	430.83	1	0.002	8/23/2024	8/23/2024
2408343-003A	Stormwater Diesel and	98	Stormwater	425.06	1	0.002	8/23/2024	8/23/2024
2408346-001B	GEI-1	99	Water	427.92	1	0.002	8/23/2024	8/23/2024
2408346-002B	GEI-2	100	Water	424.7	1	0.002	8/23/2024	8/23/2024
2408346-003B	GEI-3	101	Water	431.75	1	0.002	8/23/2024	8/23/2024
2408350-001B	STAR 003EFF 082120	102	Stormwater	428.72	1	0.002	8/23/2024	8/23/2024
2408357-001B	ows-706-253	103	Water	426.65	1	0.002	8/23/2024	8/23/2024
2408357-002B	preLGAC-706-253	104	Water	419.62	1	0.002	8/23/2024	8/23/2024
2408357-003B	midLGAC-706-253	105	Water	432.06	1	0.002	8/23/2024	8/23/2024
2408358-001B	Discharge-706-253	106	Water	426.7	1	0.002	8/23/2024	8/23/2024
2408364-001A	Pond	107	Stormwater	429.91	1	0.002	8/23/2024	8/23/2024
2408390-001B	MW-6 082124	108	Water	422.06	1	0.002	8/23/2024	8/23/2024
2408390-002B	MW-11-082124	109	Water	430.08	1	0.002	8/23/2024	8/23/2024
2408390-003B	MW-3R-082124	110	Water	381.76	1	0.003	8/23/2024	8/23/2024
	Aprrox 45 mL spilled while weighing							
2408390-004B	MW-100-082124	111	Water	211.02	1	0.005	8/23/2024	8/23/2024
	Full volume provided by client							
2408411-001A		112		309				

Run 2 8/26

Run 3 8/26

8/27

8/28

8/29

Fremont Analytical, Inc

PREP BATCH REPORT

Prep Start Date: **8/23/2024 11:28:52**
Prep End Date: **8/26/2024 8:00:12 A**
Technician: **Drake Imanishi**

Prep Factor Units: **mL / mL**

Prep Batch ID: **44970** Prep Code: **PREP-DX-W** Method No: **SW3510C**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-44970		Unknown	425.03	1	0.002	8/23/2024	8/23/2024
LCS-44970		Unknown	430.42	1	0.002	8/23/2024	8/23/2024
LCSD-44970		Unknown	428.49	1	0.002	8/23/2024	8/23/2024
2408312-001B	GEI-11_082024	Water	435.35	1	0.002	8/23/2024	8/23/2024
2408312-002B	GEI-12_082024	Water	434.5	1	0.002	8/23/2024	8/23/2024
2408312-003B	GEI-13_082024	Water	428.86	1	0.002	8/23/2024	8/23/2024
2408312-004B	Dup_082024	Water	430.83	1	0.002	8/23/2024	8/23/2024
2408343-003A	Stormwater Diesel and	Stormwater	425.06	1	0.002	8/23/2024	8/23/2024
2406346-001B	GEI-1	Water	427.92	1	0.002	8/23/2024	8/23/2024
2408346-002B	GEI-2	Water	424.7	1	0.002	8/23/2024	8/23/2024
2408346-003B	GEI-3	Water	431.75	1	0.002	8/23/2024	8/23/2024
2408350-001B	STAR.003EFF.082120	Stormwater	428.72	1	0.002	8/23/2024	8/23/2024
2408357-001B	ows-706-253	Water	426.65	1	0.002	8/23/2024	8/23/2024
2408357-002B	preLGAC-706-253	Water	419.62	1	0.002	8/23/2024	8/23/2024
2408357-003B	midLGAC-706-253	Water	432.06	1	0.002	8/23/2024	8/23/2024
2406358-001B	Discharge-706-253	Water	426.7	1	0.002	8/23/2024	8/23/2024
2408384-001A	Pond	Stormwater	429.91	1	0.002	8/23/2024	8/23/2024
2408390-001B	MW-6-082124	Water	422.06	1	0.002	8/23/2024	8/23/2024
2408390-002B	MW-11-082124	Water	430.08	1	0.002	8/23/2024	8/23/2024
2408390-003B	MW-3R-082124	Water	381.76	1	0.003	8/23/2024	8/23/2024
	Aprrox 45 mL spilled while weighing						
2408390-004B	MW-100-082124	Water	211.02	1	0.005	8/23/2024	8/23/2024
	Full volume provided by client						
2408411-001A	2024-0823-OF1	Stormwater	427.71	1	0.002	8/23/2024	8/26/2024

Fremont Analytical, Inc

PREP BATCH REPORT

Prep Start Date: **8/23/2024 11:28:52**
Prep End Date: **8/26/2024 8:00:12 A**
Technician: **Drake Imanishi**

Prep Factor Units: **mL / mL**

Prep Batch ID: **44970** Prep Code: **PREP-DX-W** Method No: **SW3510C**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-44970		Unknown	425.03	1	0.002	8/23/2024	8/23/2024
LCS-44970		Unknown	430.42	1	0.002	8/23/2024	8/23/2024
LCSD-44970		Unknown	428.49	1	0.002	8/23/2024	8/23/2024
2408312-001B	GEI-11_082024	Water	435.35	1	0.002	8/23/2024	8/23/2024
2408312-002B	GEI-12_082024	Water	434.5	1	0.002	8/23/2024	8/23/2024
2408312-003B	GEI-13_082024	Water	428.86	1	0.002	8/23/2024	8/23/2024
2408312-004B	Dup_082024	Water	430.83	1	0.002	8/23/2024	8/23/2024
2408343-003A	Stormwater Diesel and	Stormwater	425.06	1	0.002	8/23/2024	8/23/2024
2408346-001B	GEI-1	Water	427.92	1	0.002	8/23/2024	8/23/2024
2408346-002B	GEI-2	Water	424.7	1	0.002	8/23/2024	8/23/2024
2408346-003B	GEI-3	Water	431.75	1	0.002	8/23/2024	8/23/2024
2408350-001B	STAR.003EFF.08212	Stormwater	428.72	1	0.002	8/23/2024	8/23/2024
2408357-001B	ows-706-253	Water	426.65	1	0.002	8/23/2024	8/23/2024
2408357-002B	preLGAC-706-253	Water	419.62	1	0.002	8/23/2024	8/23/2024
2408357-003B	midLGAC-706-253	Water	432.06	1	0.002	8/23/2024	8/23/2024
2408358-001B	Discharge-706-253	Water	426.7	1	0.002	8/23/2024	8/23/2024
2408384-001A	Pond	Stormwater	429.91	1	0.002	8/23/2024	8/23/2024
2408390-001B	MW-6-082124	Water	422.06	1	0.002	8/23/2024	8/23/2024
2408390-002B	MW-11-082124	Water	430.08	1	0.002	8/23/2024	8/23/2024
2408390-003B	MW-3R-082124	Water	381.76	1	0.003	8/23/2024	8/23/2024
	Aprrox 45 mL spilled while weighing						
2408390-004B	MW-100-082124	Water	211.02	1	0.005	8/23/2024	8/23/2024
	Full volume provided by client						
2408411-001A	2024-0823-OF1	Stormwater	427.71	1	0.002	8/23/2024	8/26/2024

Reporting Checklist

Analyst: Alex Pates + Savannah Houser
Date: 8/26/24
Prep #: 44970
Run(s) #: 93895

Workorder(s): 08411; 08312; 08346; 08350; 08358; 08390; 08343; 08384
Analysis: O-DXEX-W

Y/N		Reviewed
N	**Run complete? (i.e., all QC, samples, dilutions present)**	✔
Y	**All QC within limits?** [ ] Exceedances acceptable per QA Manual and/or Auth'd by PM____?	✔
	☐CCV out ☐LCS out ☐MS out ☐Blank hits ☐IS/surr out ☐RPD out ☐Hold time ☐Other_____	
N	Any pending dilutions, re-extracts, or reanalysis to be completed in future run?	
N/A	**Manual entries/narratives reviewed for accuracy? (note below)** Analyst: Reviewer:	
✔	**Omega checks performed?**	✔
✔	SampID, Test Code, Type, Prep	
✔	PMOIST, pH	
✔	BLKref, SPKref, RPDref, CCVref	
✔	Attachments	✔
	☑Sequence ☑Cgrams ☑Bench Sheets ☐Perf Checks ☐Tech Doc	
✔	Related Info	✔
	☑ICAL Ref ☐ICAL Ack/QA'd? ☑Spiking Info/CCV Std ☐_____	
✔	Reporting Checks	✔
	☐Dilutions data/narr redundancy check ☐RLs OK (low wt, high pmoist, dilutions)	

Notes for Reviewer

By signing, I attest that I have followed the SOP

Savannah Houser 8/27/24
Analyst Date

MG 8/27/2024
Reviewer Date

DATA SET for Review - Deliverable Requirements

Dissolved Metals by EPA 6020B

Fremont Analytical Work Order No. 2408312

GeoEngineers

Project Name: 701/709 South Jackson

Project Number: 24504-001-04

This data set contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information
- Internal Standards Report

Batch Log

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\240821ME.b

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
1	8/21/2024 08:36:46	CalBlk	CAL BLANK	1	001CALB.d	Pass		1		ICPMS		1
2	8/21/2024 08:39:05	CalBlk	CAL BLANK	1	002CALB.d	Pass		1		ICPMS		1
3	8/21/2024 08:41:41	CalBlk	CAL BLANK	1	003CALB.d	Pass		1		ICPMS		1
4	8/21/2024 08:44:13	CalStd	STANDARD 1	101	004CALS.d	Pass		1		ICPMS		2
5	8/21/2024 08:46:46	CalStd	STANDARD 2	102	005CALS.d	Pass		1		ICPMS		3
6	8/21/2024 08:49:18	CalStd	STANDARD 3	5	006CALS.d	Pass		1		ICPMS		4
7	8/21/2024 08:51:53	CalStd	STANDARD 4	5	007CALS.d	Pass		1		ICPMS		5
8	8/21/2024 08:54:27	CalStd	STANDARD 5	5	008CALS.d	Pass		1		ICPMS		6

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
1													
2			100	1	1	100							
3													
4													
5													
6			20	1	1	20							
7			4	1	1	4							
8													

#	QC Failed Criteria	QC Failed Elements
1		
2		
3		
4		
5		
6		
7		
8		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
9	8/21/2024 08:56:41	CalStd	STANDARD 6	106	009CALS.d	Pass		1		ICPMS		7
10	8/21/2024 08:58:45	CalStd	STANDARD 7	107	010CALS.d	Pass		1		ICPMS		8
11	8/21/2024 09:00:45	Sample	Wash	6	011SMPL.d	Pass		1		ICPMS		
12	8/21/2024 09:03:18	CalStd	STANDARD 2	102	012CALS.d	Pass		1		ICPMS		3
13	8/21/2024 09:05:51	Sample	Wash	6	013SMPL.d	Pass		1		ICPMS		
14	8/21/2024 09:08:24	ICB	ICB	1	014_ICB.d	Pass		1		ICPMS		
15	8/21/2024 09:10:57	ICV	ICV	111	015_ICV.d	Fail	QC check failed.	1		ICPMS		
16	8/21/2024 09:13:10	Sample	Wash	6	016SMPL.d	Pass		1		ICPMS		
18	8/21/2024 09:15:28	Sample	LDR	110		Skip				ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
9													
10													
11													
12													
13													
14													
15													
16													
18													

#	QC Failed Criteria	QC Failed Elements
9		
10		
11		
12		
13		
14		
15	Main Error1 Criteria1	#2:[Pb]
16		
18		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
17	8/21/2024 09:15:43	Sample	ICSA	112	017SMPL.d	Fail	QC check failed.	1		ICPMS		
19	8/21/2024 09:18:06	Sample	Wash	6	018SMPL.d	Pass		1		ICPMS		
20	8/21/2024 09:17:51					Skip				ICPMS		
21	8/21/2024 09:20:40	Sample	MB-44925	201	019SMPL.d	Pass		1		ICPMS		
22	8/21/2024 09:23:13	LCS	LCS-44925	202	020_LCS.d	Fail	QC check failed.	1		ICPMS		
23	8/21/2024 09:25:26	Sample	2408201-001A	203	021SMPL.d	Fail	QC check failed.	1		ICPMS		
24	8/21/2024 09:27:44	Sample	2408201-001ADUP	204	022SMPL.d	Fail	QC check failed.	1		ICPMS		
25	8/21/2024 09:29:47	<Pause>				Pass				ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
17													
19													
20													
21													
22													
23													
24													
25													

#	QC Failed Criteria	QC Failed Elements
17	Main Error1 Criteria1	#2:Fe,Ca,Na
19		
20		
21		
22	Main Error1 Criteria1	#2:Hg
23	Main Error1 Criteria1	#1:B #2:Na,K,Zn
24	Main Error1 Criteria1	#1:B #2:Na,K,Zn
25		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
26	8/21/2024 09:30:22	Sample	2408201-001AMS	205	023SMPL.d	Fail	QC check failed.	1		ICPMS		
27	8/21/2024 09:30:08	CCV	CCV	5		Skip				ICPMS		
28	8/21/2024 09:30:08	CCB	CCB	1		Skip				ICPMS		
29	8/21/2024 09:32:31	Sample	wash	6	024SMPL.d	Pass		1		ICPMS		
30	8/21/2024 09:34:49	<Pause>				Pass				ICPMS		
31	8/21/2024 09:37:09	Sample	2408201-001A	203	025SMPL.d	Fail	QC check failed.	1		ICPMS		
32	8/21/2024 09:39:35	Sample	2408240-001B	206	026SMPL.d	Fail		1		ICPMS		
33	8/21/2024 09:41:57	Sample	2408254-001A	207	027SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
26													
27													
28													
29													
30													
31			10										
32													
33													

#	QC Failed Criteria	QC Failed Elements
26	Main Error1 Criteria1	#1:B #2:Na,K,Zn
27		
28		
29		
30		
31	Main Error1 Criteria1	#2:Na
32		
33	Main Error1 Criteria1	#1:B #2:Ca,Ni,Zn

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
34	8/21/2024 09:43:52	<Pause>				Pass				ICPMS		
35	8/21/2024 09:44:57	Sample	wash	6	028SMPL.d	Pass		1		ICPMS		
36	8/21/2024 09:47:28	CCV	CCV	5	029_CCV.d	Fail	QC check failed.	1		ICPMS		
37	8/21/2024 09:49:41	CCB	CCB	1	030_CCB.d	Pass		1		ICPMS		
38	8/21/2024 09:52:13	Sample	wash	6	031SMPL.d	Pass		1		ICPMS		
39	8/21/2024 09:54:31	<Pause>				Pass				ICPMS		
40	8/21/2024 09:55:25	Sample	trurinse	160	032SMPL.d	Pass		1		ICPMS		
41	8/21/2024 09:57:59	Sample	trurinse	160	033SMPL.d	Pass		1		ICPMS		
42	8/21/2024 10:00:32	Sample	wash	6	034SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
34													
35													
36													
37													
38													
39													
40													
41													
42													

#	QC Failed Criteria	QC Failed Elements
34		
35		
36	Main Error1 Criteria1	#2:Na,Ba,[Pb],[Pb]
37		
38		
39		
40		
41		

Batch Log

#	QC Failed Criteria	QC Failed Elements
42		

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
43	8/21/2024 10:03:06	Sample	wash	6	035SMPL.d	Pass		1		ICPMS		
44	8/21/2024 10:05:40	Sample	wash	6	036SMPL.d	Pass		1		ICPMS		
45	8/21/2024 10:08:13	Sample	wash	6	037SMPL.d	Pass		1		ICPMS		
46	8/21/2024 10:10:46	Sample	wash	6	038SMPL.d	Pass		1		ICPMS		
47	8/21/2024 10:13:19	Sample	trurinse	160	039SMPL.d	Pass		1		ICPMS		
48	8/21/2024 10:15:53	Sample	trurinse	160	040SMPL.d	Fail	QC check failed.	1		ICPMS		
49	8/21/2024 10:15:38	CCV	CCV	5		Skip				ICPMS		
50	8/21/2024 10:15:38	CCB	CCB	1		Skip				ICPMS		
51	8/21/2024 10:18:26	Sample	wash	6	041SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
43													
44													
45													
46													
47													
48													
49													
50													
51													

#	QC Failed Criteria	QC Failed Elements
43		
44		
45		
46		
47		
48	ISTD Criteria1	#1:Li

Batch Log

#	QC Failed Criteria	QC Failed Elements
49		
50		
51	ISTD Criteria1	#1:Li

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
52	8/21/2024 10:21:00	Sample	wash	6	042SMPL.d	Pass		1		ICPMS		
53	8/21/2024 10:23:34	CCV	CCV	5	043_CCV.d	Fail	QC check failed.	1		ICPMS		
54	8/21/2024 10:25:49	CCB	CCB	1	044_CCB.d	Pass		1		ICPMS		
55	8/21/2024 10:28:07	<Pause>				Pass				ICPMS		
56	8/21/2024 10:29:26	CCV	CCV	5	045_CCV.d	Fail	QC check failed.	1		ICPMS		
57	8/21/2024 10:31:27	<Pause>				Pass				ICPMS		
58	8/21/2024 10:32:05	CCV	CCV	5	046_CCV.d	Fail	QC check failed.	1		ICPMS		
59	8/21/2024 10:34:05	<Pause>				Pass				ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
52													
53													
54													
55													
56													
57													
58													
59													

#	QC Failed Criteria	QC Failed Elements
52		
53	Main Error1 Criteria1	#1:Be,B #2 :Na,Cr,Cu,Ba
54		
55		
56	Main Error1 Criteria1	#1:Be,B #2:Na,Cr,Ba
57		
58	Main Error1 Criteria1	#1:Be,B #2:Na,Co,Cu
59		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
60	8/21/2024 10:35:09	CCB	CCB	1	047_CCB.d	Pass		1		ICPMS		
61	8/21/2024 10:37:43	Sample	MB-44925	201	048SMPL.d	Pass		1		ICPMS		
62	8/21/2024 10:40:16	Sample	2408254-001A	207	049SMPL.d	Pass		1		ICPMS		
63	8/21/2024 10:42:45	Sample	2408285-001A	208	050SMPL.d	Fail	QC check failed.	1		ICPMS		
64	8/21/2024 10:45:17	Sample	2408292-001D	209	051SMPL.d	Fail	QC check failed.	1		ICPMS		
65	8/21/2024 10:47:40	Sample	2408296-001A	210	052SMPL.d	Fail	QC check failed.	1		ICPMS		
66	8/21/2024 10:50:07	Sample	2408305-001B	212	053SMPL.d	Fail	QC check failed.	1		ICPMS		
67	8/21/2024 10:52:23	Sample	2408305-002B	213	054SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
60													
61													
62			200										
63			20										
64													
65			10										
66													
67													

#	QC Failed Criteria	QC Failed Elements
60		
61		
62		
63	Main Error1 Criteria1	#2:Na
64	Main Error1 Criteria1	#1:B #2 :Ca,Na,Mg,K,Sr
65	Main Error1 Criteria1	#2:Na
66	ISTD Criteria1	#1:Li

Batch Log

#	QC Failed Criteria	QC Failed Elements
67	Main Error1 Criteria1	#2:Ca,Na

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
68	8/21/2024 10:54:47	Sample	2408306-001D	214	055SMPL.d	Fail	QC check failed.	1		ICPMS		
69	8/21/2024 10:57:13	Sample	2408263-004A	215	056SMPL.d	Fail	QC check failed.	1		ICPMS		
70	8/21/2024 10:59:34	Sample	2408263-005A	216	057SMPL.d	Fail	QC check failed.	1		ICPMS		
71	8/21/2024 10:59:19	CCV	CCV	5		Skip				ICPMS		
72	8/21/2024 10:59:19	CCB	CCB	1		Skip				ICPMS		
73	8/21/2024 11:01:56	CCV	CCV	5	058_CCV.d	Fail	QC check failed.	1		ICPMS		
74	8/21/2024 11:04:10	CCB	CCB	1	059_CCB.d	Pass		1		ICPMS		
75	8/21/2024 11:06:43	CCV	CCV	5	060_CCV.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
68													
69													
70													
71													
72													
73													
74													
75													

#	QC Failed Criteria	QC Failed Elements
68	Main Error1 Criteria1	#2:Ca
69	Main Error1 Criteria1	#2:Ca,Na,Mg
70	Main Error1 Criteria1	#2:Ca,Na,Mg
71		
72		
73	Main Error1 Criteria1	#1:Be,B #2:Na,Ba
74		
75	Main Error1 Criteria1	#2:Na,Co,[Pb],[Pb]

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
76	8/21/2024 11:08:57	CCV	CCV	5	061_CCV.d	Fail	QC check failed.	1		ICPMS		
77	8/21/2024 11:11:11	Sample	2408263-005A	217	062SMPL.d	Fail	QC check failed.	1		ICPMS		
78	8/21/2024 11:13:36	Sample	2408264-001A	218	063SMPL.d	Fail	QC check failed.	1		ICPMS		
79	8/21/2024 11:16:07	Sample	2408264-002A	219	064SMPL.d	Fail	QC check failed.	1		ICPMS		
80	8/21/2024 11:18:38	Sample	2408264-003A	220	065SMPL.d	Fail	QC check failed.	1		ICPMS		
81	8/21/2024 11:21:07	Sample	2408264-004A	221	066SMPL.d	Fail	QC check failed.	1		ICPMS		
82	8/21/2024 11:23:40	Sample	2408270-001C	222	067SMPL.d	Fail	QC check failed.	1		ICPMS		
83	8/21/2024 11:26:02	Sample	2408270-001CMS	223	068SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
76													
77													
78													
79													
80													
81													
82													
83													

#	QC Failed Criteria	QC Failed Elements
76	Main Error1 Criteria1	#2:Na,Ba
77	Main Error1 Criteria1	#2 :Ca,Na,Mg,K
78	ISTD Criteria1	#1:Li
79	ISTD Criteria1	#1:Li
80	ISTD Criteria1	#1:Li
81	ISTD Criteria1	#1:Li

Batch Log

#	QC Failed Criteria	QC Failed Elements
82	Main Error1 Criteria1	#2 :Ca,Na,Mg,K
83	Main Error1 Criteria1	#1:B #2 :Ca,Na,Mg,K

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
84	8/21/2024 11:27:57	<Pause>				Pass				ICPMS		
85	8/21/2024 11:35:21	Sample	2408263-004A	215	069SMPL.d	Fail	QC check failed.	1		ICPMS		
86	8/21/2024 11:37:47	Sample	2408263-005A	216	070SMPL.d	Fail	QC check failed.	1		ICPMS		
87	8/21/2024 11:40:13	CCV	CCV	5	071_CCV.d	Fail	QC check failed.	1		ICPMS		
88	8/21/2024 11:42:26	CCB	CCB	1	072_CCB.d	Pass		1		ICPMS		
89	8/21/2024 11:44:43	<Pause>				Pass				ICPMS		
90	8/21/2024 12:44:48	Sample	MB-44933	224	073SMPL.d	Pass		1		ICPMS		
91	8/21/2024 12:47:21	LCS	LCS-44933	225	074_LCS.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
84													
85			2	1	1	2							
86			2	1	1	2							
87													
88													
89													
90													
91													

#	QC Failed Criteria	QC Failed Elements
84		
85	Main Error1 Criteria1	#2:Ca,Na,Mg
86	Main Error1 Criteria1	#2:Ca,Na,Mg
87	Main Error1 Criteria1	#2:Na
88		
89		
90		
91	Main Error1 Criteria1	#1:B #2 :Fe,Ca,Na,Mg, K,Cr,Al,P

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
92	8/21/2024 12:49:41	Sample	2408309-001A	226	075SMPL.d	Fail	QC check failed.	1		ICPMS		
93	8/21/2024 12:52:06	Sample	2408309-001AMS	227	076SMPL.d	Fail	QC check failed.	1		ICPMS		
94	8/21/2024 12:54:17	Sample	2408309-001AMSD	228	077SMPL.d	Fail	QC check failed.	1		ICPMS		
95	8/21/2024 12:56:28	Sample	2408309-001AMSDIL	227	078SMPL.d	Pass		1		ICPMS		
96	8/21/2024 12:58:57	Sample	2408309-001APDS	229	079SMPL.d	Fail	QC check failed.	1		ICPMS		
97	8/21/2024 13:01:08	Sample	2408311-001A	230	080SMPL.d	Fail	QC check failed.	1		ICPMS		
98	8/21/2024 13:03:22	Sample	2408311-002A	231	081SMPL.d	Fail	QC check failed.	1		ICPMS		
100	8/21/2024 13:05:16	CCV	CCV	5		Skip				ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
92													
93													
94													
95			5	1	1	5							
96													
97													
98													
100													

#	QC Failed Criteria	QC Failed Elements
92	Main Error1 Criteria1	#2:Fe,Al
93	Main Error1 Criteria1	#2:Fe,Al,Ti
94	Main Error1 Criteria1	#2:Fe,Al
95		
96	Main Error1 Criteria1	#2:Fe,Al,Ti
97	Main Error1 Criteria1	#2:Fe,Zn,Al,Ti
98	Main Error1 Criteria1	#2 :Fe,Mn,Cu,Zn
100		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
99	8/21/2024 13:05:31	Sample	2408311-003A	232	082SMPL.d	Fail	QC check failed.	1		ICPMS		
101	8/21/2024 13:05:16	CCB	CCB	1		Skip				ICPMS		
102	8/21/2024 13:07:39	CCV	CCV	5	083_CCV.d	Fail	QC check failed.	1		ICPMS		
103	8/21/2024 13:09:54	CCB	CCB	1	084_CCB.d	Pass		1		ICPMS		
104	8/21/2024 13:12:32	Sample	2408315-001A	233	085SMPL.d	Fail	QC check failed.	1		ICPMS		
105	8/21/2024 13:14:52	Sample	2408315-002A	234	086SMPL.d	Pass		1		ICPMS		
106	8/21/2024 13:17:17	Sample	2408315-003A	235	087SMPL.d	Fail	QC check failed.	1		ICPMS		
107	8/21/2024 13:19:38	Sample	2408315-004A	236	088SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
99													
101													
102													
103													
104													
105													
106													
107													

#	QC Failed Criteria	QC Failed Elements
99	Main Error1 Criteria1	#2:Fe,Cu,Zn,[Pb],[Pb],Pb,Al
101		
102	Main Error1 Criteria1	#2:Co,U
103		
104	Main Error1 Criteria1	#2:Fe,Al,Ti
105		
106	Main Error1 Criteria1	#2:Fe,Al,Ti
107	Main Error1 Criteria1	#2:Fe,Al

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
108	8/21/2024 13:22:02	Sample	2408315-005A	237	089SMPL.d	Fail	QC check failed.	1		ICPMS		
109	8/21/2024 13:24:23	Sample	2408315-006A	238	090SMPL.d	Fail	QC check failed.	1		ICPMS		
110	8/21/2024 13:26:42	Sample	2408315-007A	239	091SMPL.d	Fail		1		ICPMS		
111	8/21/2024 13:28:49	<Pause>				Pass				ICPMS		
112	8/21/2024 13:29:14	Sample	2408311-003A	232	092SMPL.d	Pass		1		ICPMS		
113	8/21/2024 13:31:36	Sample	2408311-002A	231	093SMPL.d	Fail		1		ICPMS		
115	8/21/2024 13:33:49	CCV	CCV	5		Skip				ICPMS		
116	8/21/2024 13:33:49	CCB	CCB	1		Skip				ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
108													
109													
110													
111													
112			10										
113			10	1	1	10							
115													
116													

#	QC Failed Criteria	QC Failed Elements
108	Main Error1 Criteria1	#2:Fe,Al,Ti
109	Main Error1 Criteria1	#2:Fe,Al
110		
111		
112		
113		
115		
116		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
114	8/21/2024 13:34:04	Sample	2408311-001A	230	094SMPL.d	Pass		1		ICPMS		
117	8/21/2024 13:36:36	CCV	CCV	5	095_CCV.d	Pass		1		ICPMS		
118	8/21/2024 13:38:50	CCB	CCB	1	096_CCB.d	Pass		1		ICPMS		
119	8/21/2024 13:41:23	Sample	MB-44907	240	097SMPL.d	Pass		1		ICPMS		
120	8/21/2024 13:43:56	Sample	LCS-44907	241	098SMPL.d	Pass		1		ICPMS		
121	8/21/2024 13:46:09	Sample	2408263-001B	242	099SMPL.d	Fail	QC check failed.	1		ICPMS		
122	8/21/2024 13:48:31	Sample	2408263-001BDUP	243	100SMPL.d	Fail	QC check failed.	1		ICPMS		
123	8/21/2024 13:50:38	<Pause>				Pass				ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
114			10	1	1	10							
117													
118													
119													
120													
121													
122													
123													

#	QC Failed Criteria	QC Failed Elements
114		
117		
118		
119		
120		
121	Main Error1 Criteria1	#2:Ca,Na,Mg
122	Main Error1 Criteria1	#2:Ca,Na,Mg
123		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
124	8/21/2024 13:50:59	Sample	2408263-001BMS	244	101SMPL.d	Fail	QC check failed.	1		ICPMS		
125	8/21/2024 13:53:08	Sample	2408263-002B	245	102SMPL.d	Fail	QC check failed.	1		ICPMS		
126	8/21/2024 13:55:28	Sample	2408263-003B	246	103SMPL.d	Fail	QC check failed.	1		ICPMS		
127	8/21/2024 13:57:50	Sample	2408263-004B	247	104SMPL.d	Fail	QC check failed.	1		ICPMS		
128	8/21/2024 14:00:10	Sample	2408263-005B	248	105SMPL.d	Fail	QC check failed.	1		ICPMS		
129	8/21/2024 14:02:31	Sample	2408263-006B	249	106SMPL.d	Fail	QC check failed.	1		ICPMS		
130	8/21/2024 14:02:16	CCV	CCV	5		Skip				ICPMS		
131	8/21/2024 14:02:16	CCB	CCB	1		Skip				ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
124													
125													
126													
127													
128													
129													
130													
131													

#	QC Failed Criteria	QC Failed Elements
124	Main Error1 Criteria1	#2:Ca,Na,Mg
125	Main Error1 Criteria1	#2:Ca,Na,Mg
126	Main Error1 Criteria1	#2:Ca,Na,Mg
127	Main Error1 Criteria1	#2:Ca,Na,Mg
128	Main Error1 Criteria1	#2:Ca,Na,Mg
129	Main Error1 Criteria1	#2 :Ca,Na,Mg,K
130		
131		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
132	8/21/2024 14:04:56	CCV	CCV	5	107_CCV.d	Fail	QC check failed.	1		ICPMS		
133	8/21/2024 14:07:12	CCB	CCB	1	108_CCB.d	Pass		1		ICPMS		
134	8/21/2024 14:09:45	Sample	2408263-006BMS	250	109SMPL.d	Fail	QC check failed.	1		ICPMS		
135	8/21/2024 14:11:55	Sample	WASH	6	110SMPL.d	Pass		1		ICPMS		
136	8/21/2024 14:14:28	Sample	MB-44939	401	111SMPL.d	Pass		1		ICPMS		
137	8/21/2024 14:17:01	LCS	LCS-44939	402	112_LCS.d	Fail	QC check failed.	1		ICPMS		
138	8/21/2024 14:19:14	Sample	2408246-001C	403	113SMPL.d	Fail	QC check failed.	1		ICPMS		
139	8/21/2024 14:21:35	Sample	2408246-001CDUP	404	114SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
132													
133													
134													
135													
136													
137													
138													
139													

#	QC Failed Criteria	QC Failed Elements
132	Main Error1 Criteria1	#2:Na,Cr
133		
134	Main Error1 Criteria1	#2 :Ca,Na,Mg,K
135		
136		
137	Main Error1 Criteria1	#1:Be #2 :V,Cr,Mn,Co,Cu,Sr,Hg

Batch Log

#	QC Failed Criteria	QC Failed Elements
138	Main Error1 Criteria1	#2 :Ca,Na,Mg,K, Mn
139	Main Error1 Criteria1	#2 :Ca,Na,Mg,K, Mn

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
140	8/21/2024 14:23:57	Sample	2408246-001CMS	405	115SMPL.d	Fail	QC check failed.	1		ICPMS		
141	8/21/2024 14:26:09	Sample	2408246-001CMSDIL	405	116SMPL.d	Pass		1		ICPMS		
142	8/21/2024 14:28:35	Sample	2408246-002C	406	117SMPL.d	Fail	QC check failed.	1		ICPMS		
143	8/21/2024 14:30:58	Sample	2408246-003C	407	118SMPL.d	Fail	QC check failed.	1		ICPMS		
144	8/21/2024 14:30:43	CCV	CCV	5		Skip				ICPMS		
145	8/21/2024 14:30:43	CCB	CCB	1		Skip				ICPMS		
146	8/21/2024 14:33:21	CCV	CCV	5	119_CCV.d	Fail	QC check failed.	1		ICPMS		
147	8/21/2024 14:35:36	CCB	CCB	1	120_CCB.d	Pass		1		ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
140													
141			5	1	1	5							
142													
143													
144													
145													
146													
147													

#	QC Failed Criteria	QC Failed Elements
140	Main Error1 Criteria1	#2 :Ca,Na,Mg,K, Mn
141		

Batch Log

#	QC Failed Criteria	QC Failed Elements
142	Main Error1 Criteria1	#2 :Fe,Ca,Na,Mg, Mn
143	Main Error1 Criteria1	#2 :Ca,Na,Mg,K
144		
145		
146	Main Error1 Criteria1	#2:Co
147		

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
148	8/21/2024 14:38:08	Sample	2408246-004C	408	121SMPL.d	Fail	QC check failed.	1		ICPMS		
149	8/21/2024 14:40:32	Sample	2408246-005C	409	122SMPL.d	Fail	QC check failed.	1		ICPMS		
150	8/21/2024 14:42:55	Sample	2408246-006C	410	123SMPL.d	Fail	QC check failed.	1		ICPMS		
151	8/21/2024 14:45:17	Sample	2408246-007C	411	124SMPL.d	Fail		1		ICPMS		
152	8/21/2024 14:47:39	Sample	2408246-008C	412	125SMPL.d	Fail	QC check failed.	1		ICPMS		
153	8/21/2024 14:50:01	Sample	2408247-001C	413	126SMPL.d	Fail	QC check failed.	1		ICPMS		
154	8/21/2024 14:52:23	Sample	2408247-002C	414	127SMPL.d	Fail	QC check failed.	1		ICPMS		
155	8/21/2024 14:54:44	Sample	2408247-002CMS	415	128SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
148													
149													
150													
151													
152													
153													
154													
155													

Batch Log

#	QC Failed Criteria	QC Failed Elements
148	Main Error1 Criteria1	#2 :Ca,Na,Mg,K
149	Main Error1 Criteria1	#2:Ca,Na
150	Main Error1 Criteria1	#2 :Ca,Na,Mg,K, Mn
151		
152	Main Error1 Criteria1	#2 :Ca,Na,Mg,K, Mn
153	Main Error1 Criteria1	#1:B #2:Ca,Mg,K,Sr
154	Main Error1 Criteria1	#2 :Fe,Ca,Mg,K,S r
155	Main Error1 Criteria1	#1:B #2 :Fe,Ca,Mg,K,S r

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replic ates	Level
156	8/21/2024 14:57:01	Sample	2408247-002CMSD	416	129SMPL.d	Fail		1		ICPMS		
157	8/21/2024 14:59:16	Sample	2408247-003C	417	130SMPL.d	Fail	QC check failed.	1		ICPMS		
158	8/21/2024 14:59:01	CCV	CCV	5		Skip				ICPMS		
159	8/21/2024 14:59:01	CCB	CCB	1		Skip				ICPMS		
160	8/21/2024 15:01:37	CCV	CCV	5	131_CCV.d	Fail	QC check failed.	1		ICPMS		
161	8/21/2024 15:03:49	CCB	CCB	1	132_CCB.d	Fail	QC check failed.	1		ICPMS		
162	8/21/2024 15:06:20	Sample	2408247-004C	418	133SMPL.d	Fail	QC check failed.	1		ICPMS		
163	8/21/2024 15:08:41	Sample	2408312-001D	419	134SMPL.d	Fail	QC check failed.	1		ICPMS		

Batch Log

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
156													
157													
158													
159													
160													
161													
162													
163													

#	QC Failed Criteria	QC Failed Elements
156		
157	Main Error1 Criteria1	#1:B #2:Ca,Mg,K,Sr
158		
159		
160	ISTD Criteria1	#1:Li,Sc
161	ISTD Criteria1	#1:Li,Sc
162	Main Error1 Criteria1	#1:B #2 :Ca,Mg,K,Mn, Sr
163	ISTD Criteria1	#1:Li,Sc

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
164	8/21/2024 15:11:05	Sample	2408312-002D	420	135SMPL.d	Fail	QC check failed.	1		ICPMS		
165	8/21/2024 15:13:29	Sample	2408312-003D	421	136SMPL.d	Fail	QC check failed.	1		ICPMS		
166	8/21/2024 15:15:54	Sample	2408312-004D	422	137SMPL.d	Fail	QC check failed.	1		ICPMS		
167	8/21/2024 15:18:18	LCS	LCS-RR	460	138_LCS.d	Fail	QC check failed.	1		ICPMS		
168	8/21/2024 15:20:31	CCV	CCV	5	139_CCV.d	Fail	QC check failed.	1		ICPMS		
169	8/21/2024 15:22:43	CCB	CCB	1	140_CCB.d	Fail	QC check failed.	1		ICPMS		
170	8/21/2024 15:25:15	Sample	LDR	110	141SMPL.d	Fail	QC check failed.	1		ICPMS		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
171	8/21/2024 15:27:05	Sample	trurinse	160	142SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
164													
165													
166													
167													
168													
169													
170													
171													

#	QC Failed Criteria	QC Failed Elements
164	ISTD Criteria1	#1:Li,Sc
165	ISTD Criteria1	#1:Li
166	ISTD Criteria1	#1:Li
167	ISTD Criteria1	#1:Li
168	ISTD Criteria1	#1:Li
169	ISTD Criteria1	#1:Li
170	Main Error1 Criteria1	#1:B #2 :Fe,Sn,As,Ca, Na,Mg,K,V,Cr, Mn,Co,Ni,Cu,Zn,Sr,Mo,Ba, [Pb], [Pb],Pb,U,Al,Hg,Ti,P
171		

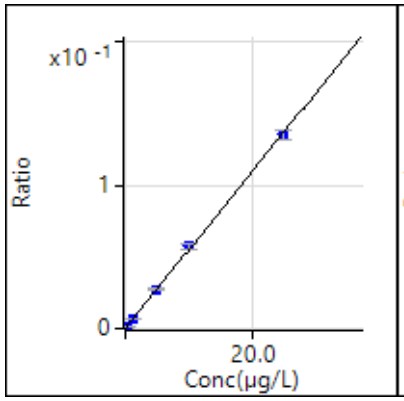
Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
172	8/21/2024 15:29:36	Sample	trurinse	160	143SMPL.d	Pass		1		ICPMS		
173	8/21/2024 15:32:07	Sample	wash	6	144SMPL.d	Pass		1		ICPMS		
174	8/21/2024 15:34:38	Sample	wash	6	145SMPL.d	Pass		1		ICPMS		
175	8/21/2024 15:36:55	<Pause>				Pass				ICPMS		

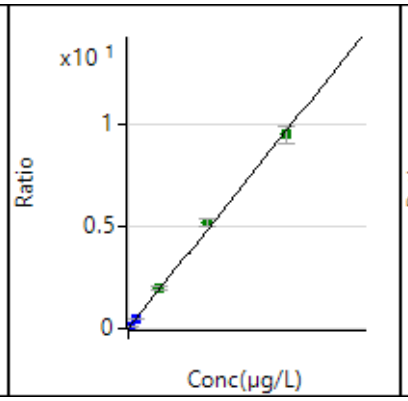
#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
172													
173													
174													
175													

#	QC Failed Criteria	QC Failed Elements
172		
173		
174		
175		

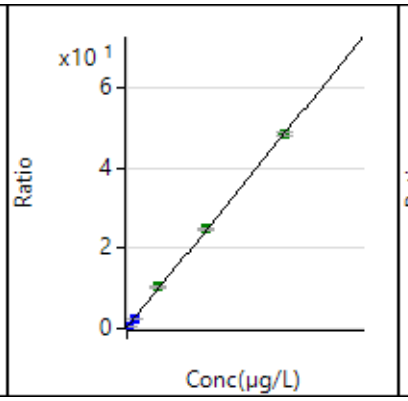
Calibration



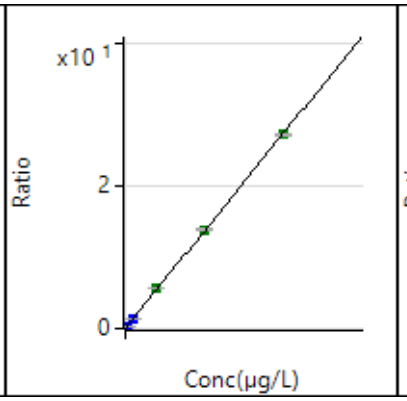
9 Be [No Gas]
ISTD: 6 Li
y = 5.456E-3 x + 2.798E-5
R 0.9998
DL 0.0003647
BEC 0.005128



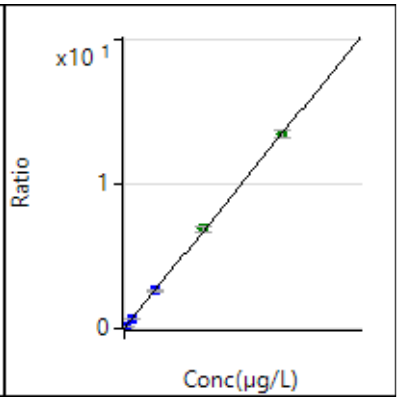
11 B [No Gas]
ISTD: 6 Li
y = 3.857E-3 x + 1.744E-3
R 0.9992
DL 0.1161
BEC 0.4522



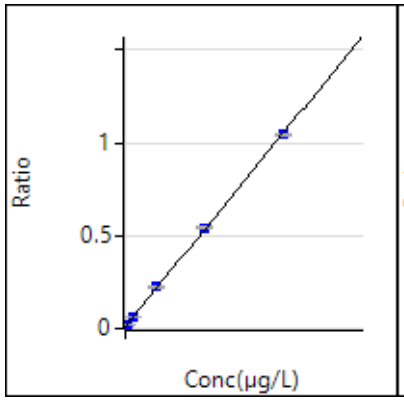
23 Na [He]
ISTD: 45 Sc
y = 9.691E-3 x + 2.478E-1
R 0.9999
DL 0.3171
BEC 25.57



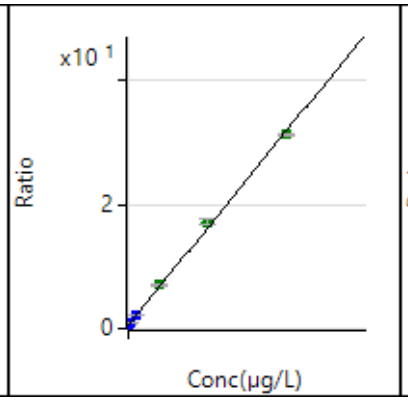
24 Mg [He]
ISTD: 45 Sc
y = 5.466E-3 x + 3.151E-3
R 0.9999
DL 0.1378
BEC 0.5765



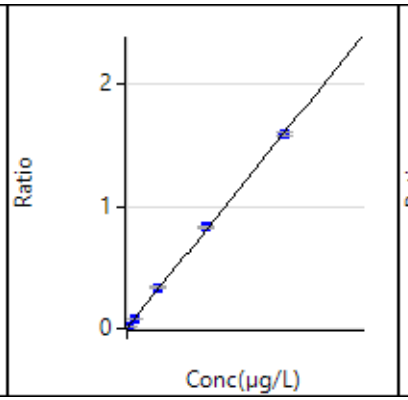
27 Al [He]
ISTD: 45 Sc
y = 2.689E-3 x + 2.552E-3
R 0.9999
DL 0.2668
BEC 0.9494



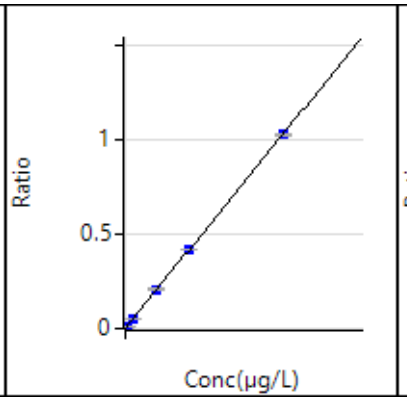
31 P [He]
ISTD: 45 Sc
y = 2.083E-4 x + 9.797E-3
R 0.9999
DL 2.997
BEC 47.03



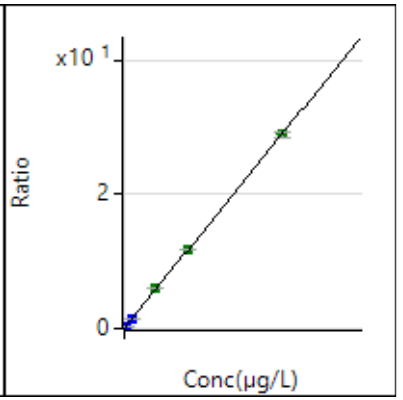
39 K [He]
ISTD: 45 Sc
y = 6.245E-3 x + 5.424E-1
R 0.9993
DL 6.067
BEC 86.85



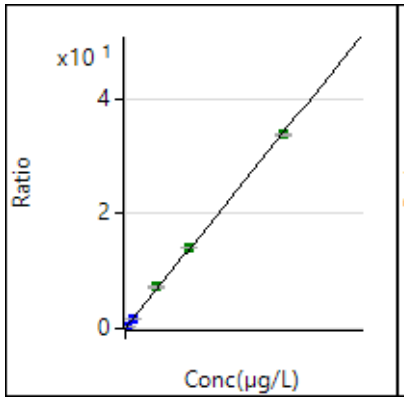
44 Ca [He]
ISTD: 45 Sc
y = 3.205E-4 x + 3.146E-3
R 0.9998
DL 0.5501
BEC 9.818



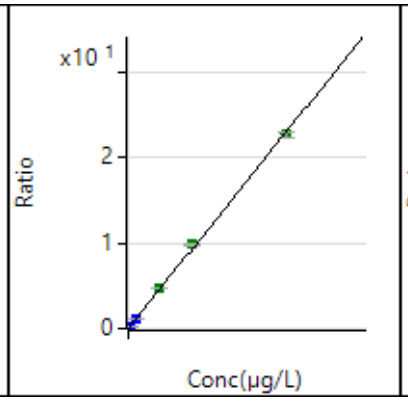
47 Ti [He]
ISTD: 45 Sc
y = 2.054E-3 x + 4.382E-5
R 1.0000
DL 0.01291
BEC 0.02133



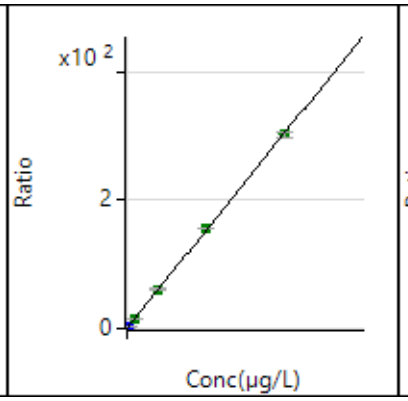
51 V [He]
ISTD: 45 Sc
y = 5.800E-2 x + 3.004E-2
R 1.0000
DL 0.04489
BEC 0.5179



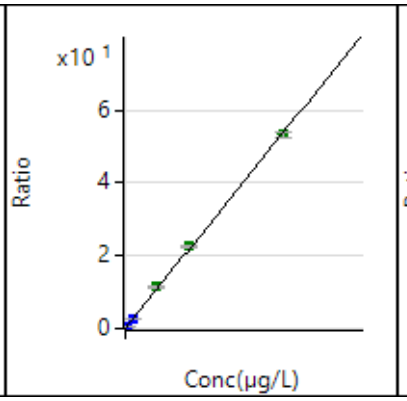
52 Cr [He]
ISTD: 45 Sc
y = 6.801E-2 x + 4.025E-3
R 0.9997
DL 0.01343
BEC 0.05918



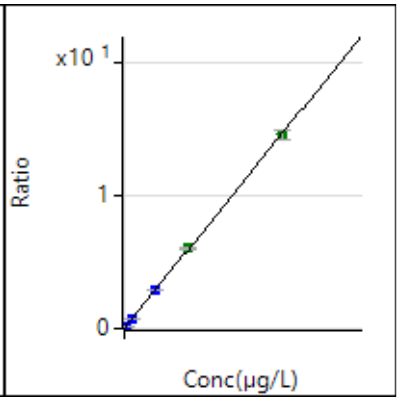
55 Mn [He]
ISTD: 45 Sc
y = 4.594E-2 x + 1.183E-3
R 0.9995
DL 0.01616
BEC 0.02575



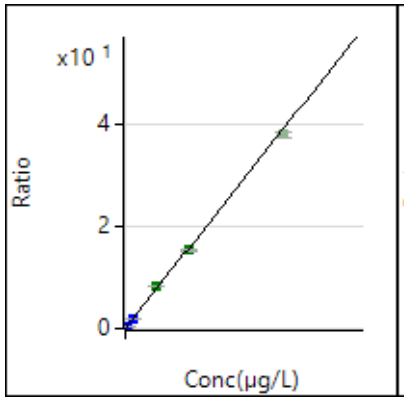
56 Fe [He]
ISTD: 45 Sc
y = 6.086E-2 x + 2.020E-1
R 0.9999
DL 0.193
BEC 3.319



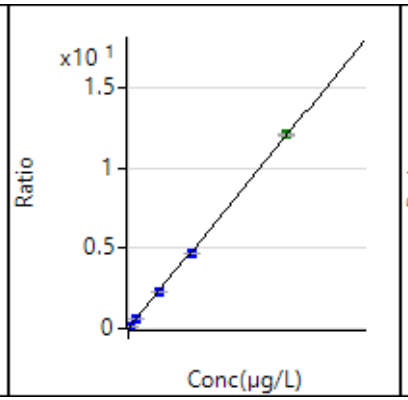
59 Co [He]
ISTD: 45 Sc
y = 1.075E-1 x + 8.032E-4
R 0.9997
DL 0.003338
BEC 0.007471



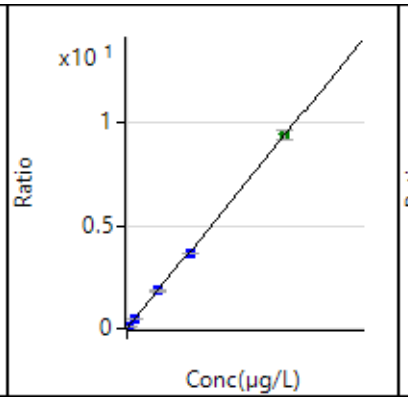
60 Ni [He]
ISTD: 45 Sc
y = 2.941E-2 x + 3.201E-4
R 0.9999
DL 0.003339
BEC 0.01088



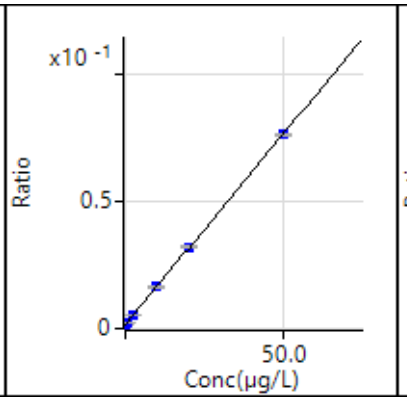
63 Cu [He]
ISTD: 45 Sc
y = 7.843E-2 x + 1.754E-2
R 0.9992
DL 0.02105
BEC 0.2236



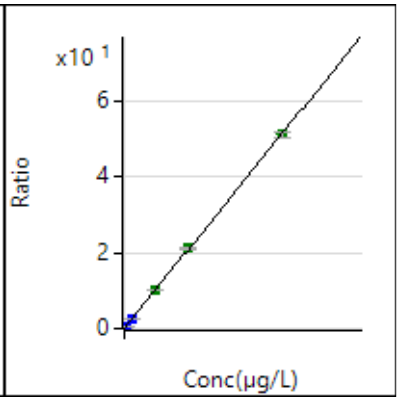
66 Zn [He]
ISTD: 72 Ge
y = 2.402E-2 x + 5.422E-3
R 0.9999
DL 0.02892
BEC 0.2257



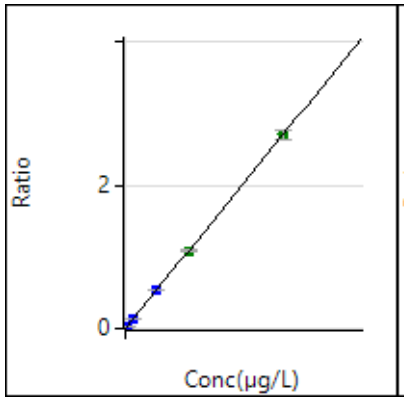
75 As [He]
ISTD: 72 Ge
y = 1.878E-2 x + 1.473E-3
R 0.9999
DL 0.01558
BEC 0.07842



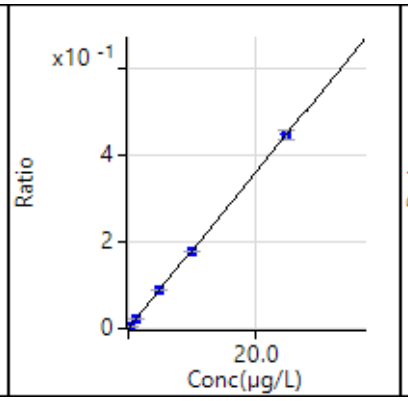
78 Se [He]
ISTD: 72 Ge
y = 1.499E-3 x + 1.444E-3
R 1.0000
DL 0.1462
BEC 0.9638



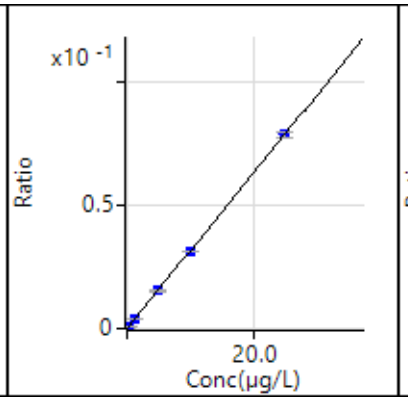
88 Sr [He]
ISTD: 72 Ge
y = 1.026E-1 x + 1.439E-3
R 0.9999
DL 0.009082
BEC 0.01403



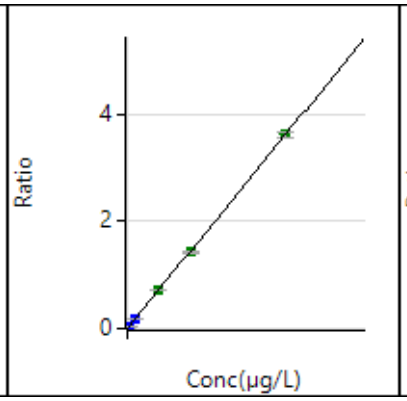
95 Mo [He]
ISTD: 115 In
y = 5.420E-3 x + 1.670E-5
R 1.0000
DL 0.001512
BEC 0.003081



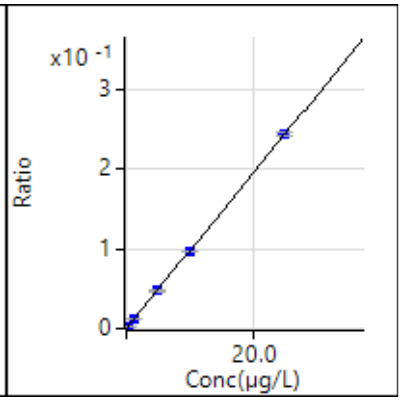
107 Ag [He]
ISTD: 115 In
y = 1.782E-2 x + 7.138E-5
R 1.0000
DL 0.002585
BEC 0.004006



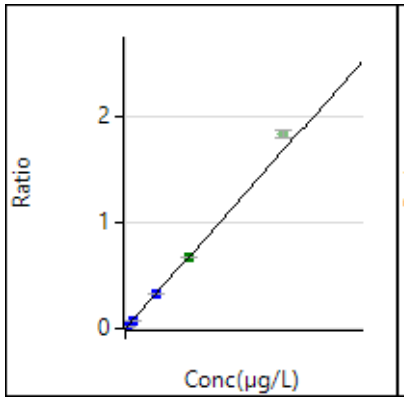
111 Cd [He]
ISTD: 115 In
y = 3.147E-3 x + 1.224E-6
R 1.0000
DL 0.0003251
BEC 0.0003889



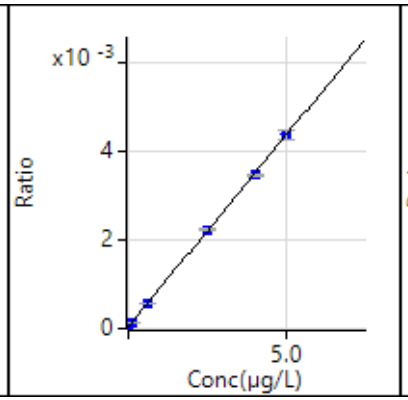
118 Sn [He]
ISTD: 115 In
y = 7.212E-3 x + 4.123E-4
R 1.0000
DL 0.01994
BEC 0.05717



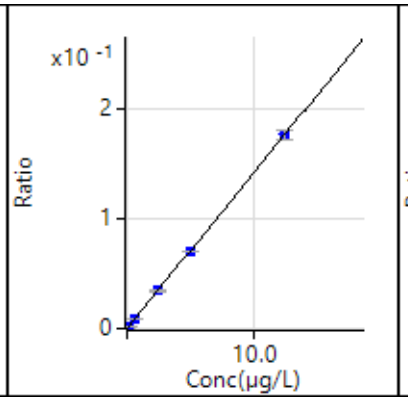
121 Sb [He]
ISTD: 115 In
y = 9.691E-3 x + 8.594E-5
R 1.0000
DL 0.001631
BEC 0.008868



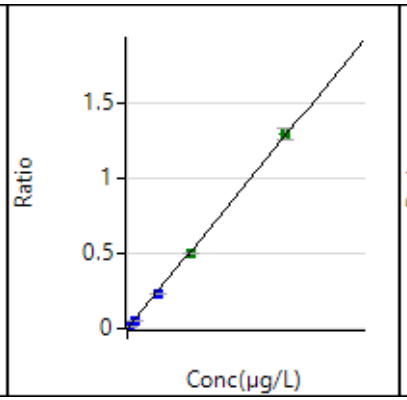
137 Ba [He]
ISTD: 115 In
y = 3.376E-3 x + 2.862E-5
R 0.9999
DL 0.004536
BEC 0.008477



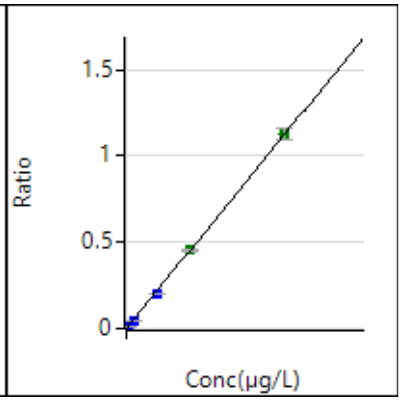
201 Hg [He]
ISTD: 159 Tb
y = 8.650E-4 x + 3.936E-5
R 0.9999
DL 0.004759
BEC 0.04551



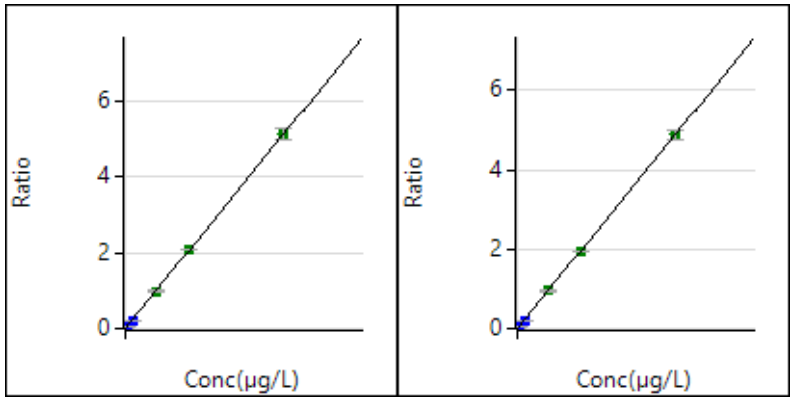
205 Tl [He]
ISTD: 159 Tb
y = 1.406E-2 x + 3.848E-6
R 1.0000
DL 0.0004036
BEC 0.0002736



206 [Pb] [He]
ISTD: 159 Tb
y = 5.121E-3 x + 2.377E-4
R 0.9997
DL 0.009174
BEC 0.04642



207 [Pb] [He]
ISTD: 159 Tb
y = 4.485E-3 x + 2.255E-4
R 0.9998
DL 0.01208
BEC 0.05029

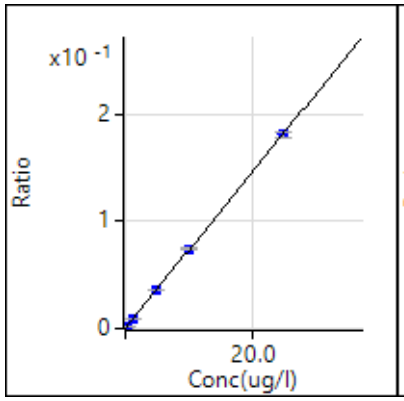


208 Pb [He]
ISTD: 159 Tb
y = 2.038E-2 x + 9.871E-4

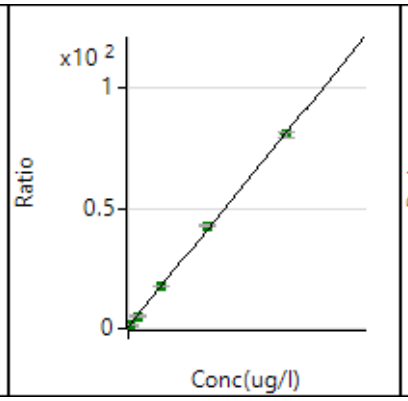
R	0.9999
DL	0.003294
BEC	0.04844

238 U [He]
ISTD: 159 Tb
y = 9.753E-3 x + 2.003E-6

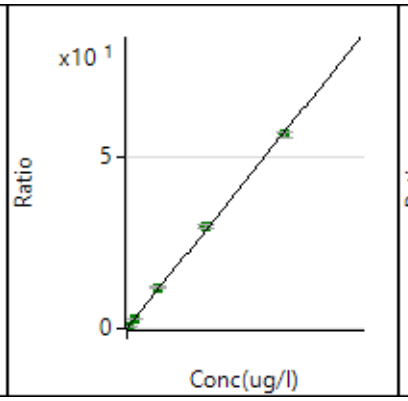
R	1.0000
DL	0.0002624
BEC	0.0002054



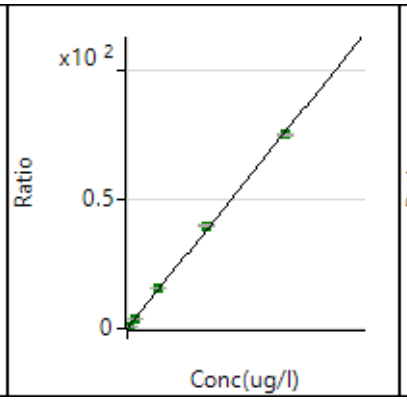
9 Be [No Gas]
ISTD: 6 Li
y = 7.266E-3 x + 8.035E-5
R 1.0000
DL 0.00563
BEC 0.01106



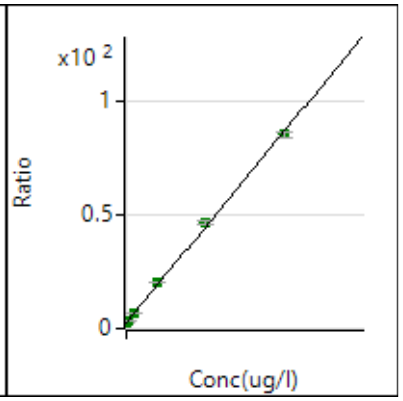
23 Na [No Gas]
ISTD: 45 Sc
y = 1.606E-2 x + 1.130E0
R 0.9997
DL 2.141
BEC 70.37



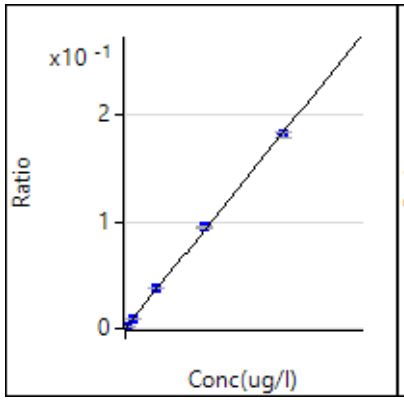
24 Mg [No Gas]
ISTD: 45 Sc
y = 1.148E-2 x + 1.135E-2
R 0.9996
DL 0.0937
BEC 0.9885



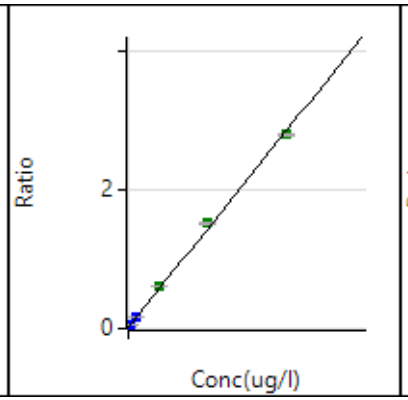
27 Al [No Gas]
ISTD: 45 Sc
y = 1.522E-2 x + 1.333E-2
R 0.9996
DL 0.09012
BEC 0.8759



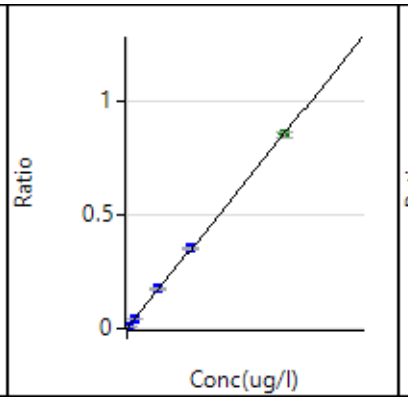
39 K [No Gas]
ISTD: 45 Sc
y = 1.687E-2 x + 2.461E0
R 0.9994
DL 3.69
BEC 145.9



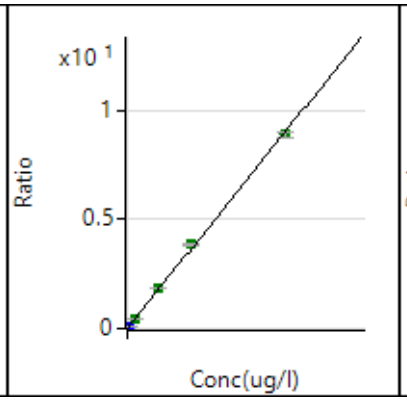
43 Ca [No Gas]
ISTD: 45 Sc
y = 3.674E-5 x + 2.947E-4
R 0.9998
DL 1.184
BEC 8.021



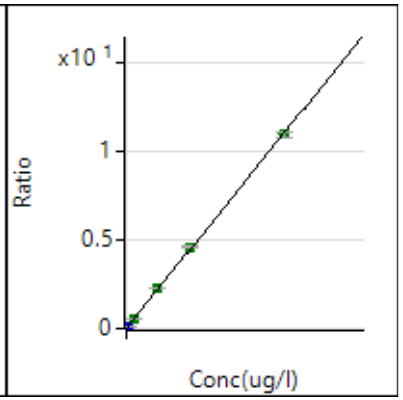
44 Ca [No Gas]
ISTD: 45 Sc
y = 5.665E-4 x + 1.489E-2
R 0.9993
DL 0.7393
BEC 26.29



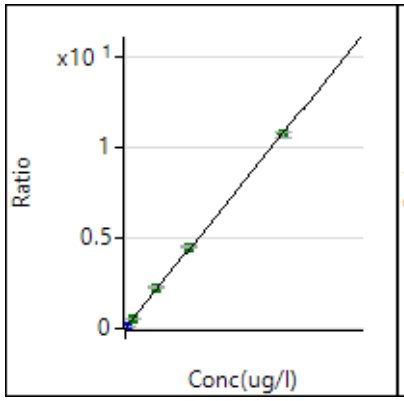
47 Ti [No Gas]
ISTD: 45 Sc
y = 1.722E-3 x + 7.287E-5
R 0.9999
DL 0.03923
BEC 0.04231



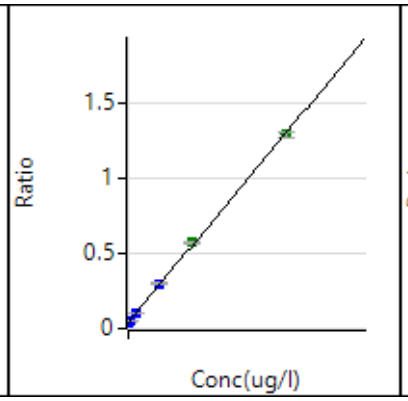
48 Ti [No Gas]
ISTD: 45 Sc
y = 1.799E-2 x + 1.956E-3
R 0.9994
DL 0.01007
BEC 0.1088



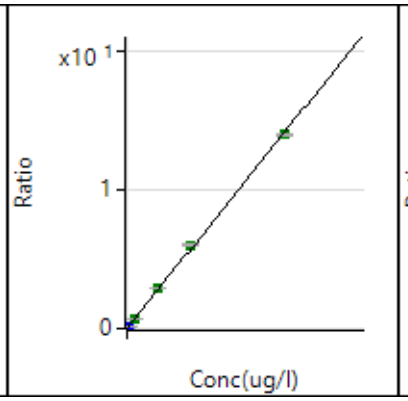
51 V [No Gas]
ISTD: 45 Sc
y = 2.203E-2 x - 1.192E-3
R 0.9998
DL 0.09437
BEC -0.05413



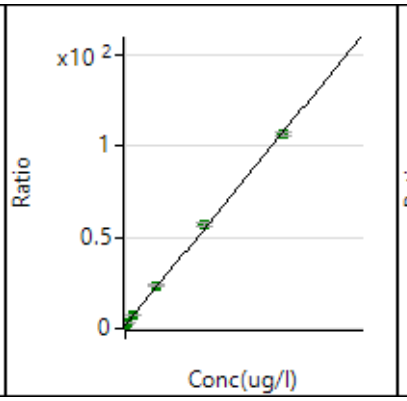
52 Cr [No Gas]
ISTD: 45 Sc
y = 2.153E-2 x + 1.360E-2
R 0.9998
DL 0.04467
BEC 0.6319



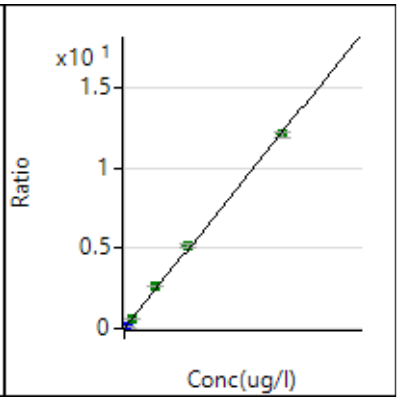
53 [V] [No Gas]
ISTD: 45 Sc
y = 2.523E-3 x + 4.171E-2
R 0.9997
DL 0.5478
BEC 16.53



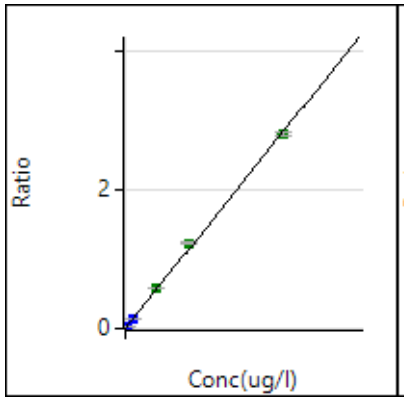
55 Mn [No Gas]
ISTD: 45 Sc
y = 2.834E-2 x + 3.275E-3
R 0.9996
DL 0.01121
BEC 0.1155



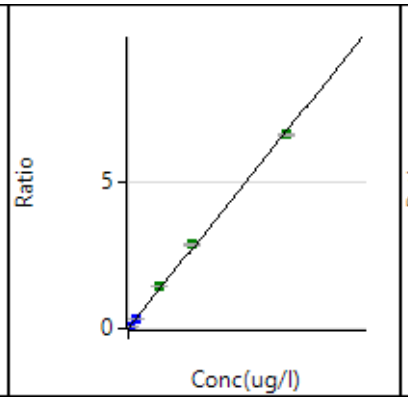
56 Fe [No Gas]
ISTD: 45 Sc
y = 2.119E-2 x + 1.691E0
R 0.9996
DL 3.538
BEC 79.81



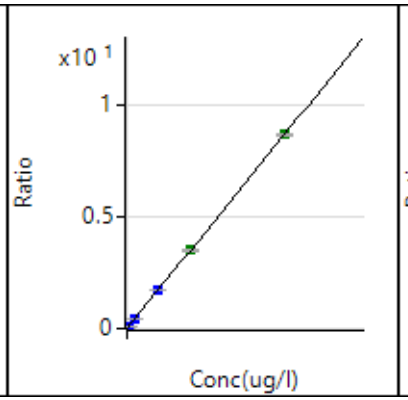
59 Co [No Gas]
ISTD: 45 Sc
y = 2.442E-2 x + 3.960E-4
R 0.9993
DL 0.002605
BEC 0.01622



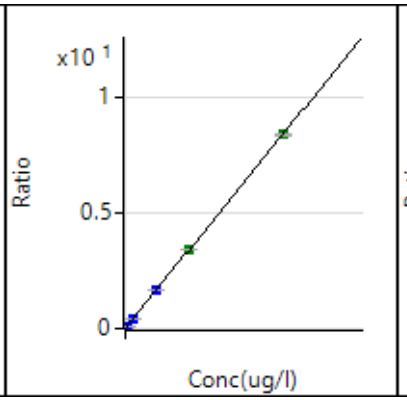
60 Ni [No Gas]
ISTD: 45 Sc
y = 5.671E-3 x + 1.900E-4
R 0.9993
DL 0.006606
BEC 0.0335



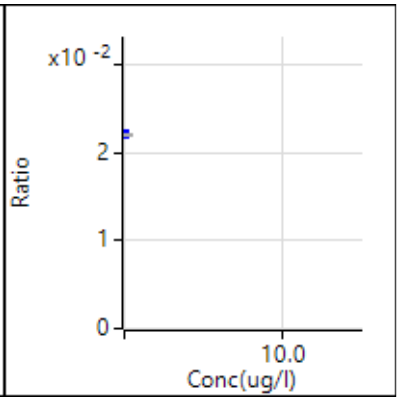
63 Cu [No Gas]
ISTD: 45 Sc
y = 1.350E-2 x + 6.619E-3
R 0.9993
DL 0.01909
BEC 0.4902



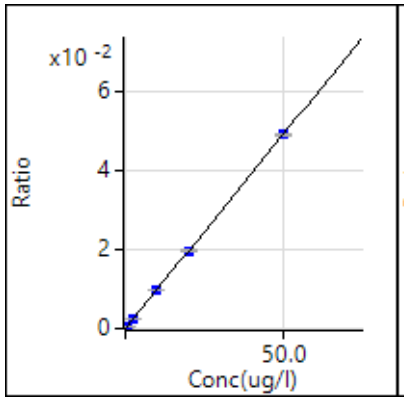
66 Zn [No Gas]
ISTD: 72 Ge
y = 1.743E-2 x + 3.414E-3
R 1.0000
DL 0.001766
BEC 0.1959



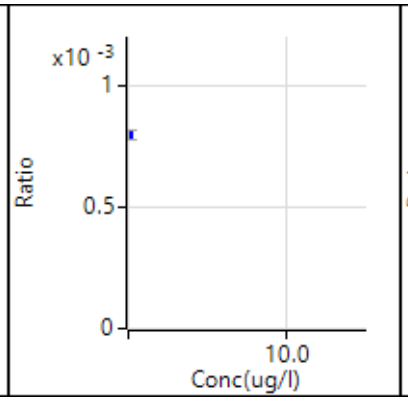
75 As [No Gas]
ISTD: 72 Ge
y = 1.676E-2 x - 6.632E-4
R 1.0000
DL 0.1759
BEC -0.03956



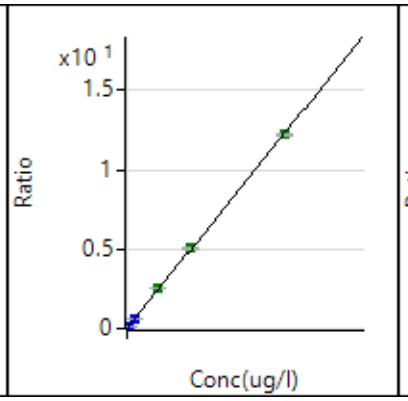
77 [As] [No Gas]
ISTD: 72 Ge
y =
R



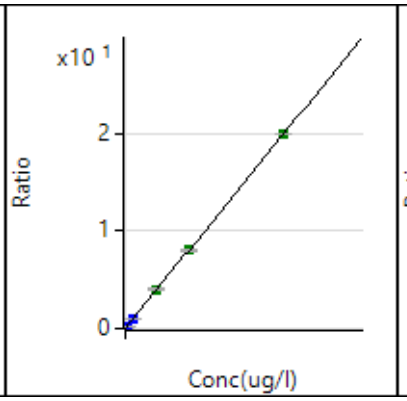
82 Se [No Gas]
ISTD: 72 Ge
y = 9.825E-4 x - 5.038E-5
R 1.0000
DL 0.07546
BEC -0.05128



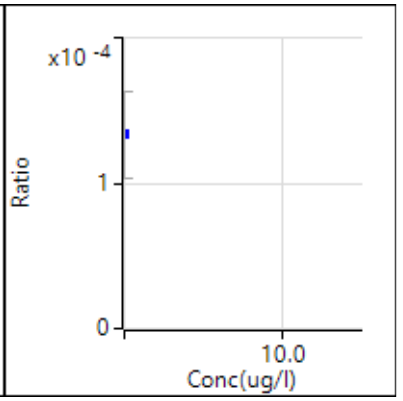
83 [Se] [No Gas]
ISTD: 72 Ge
y =
R



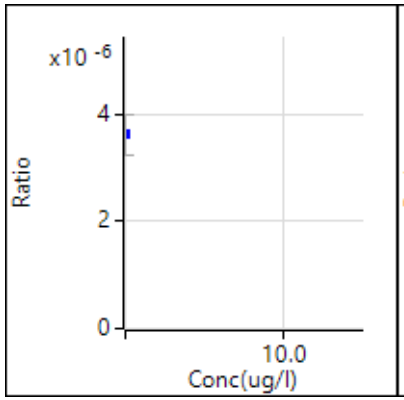
95 Mo [No Gas]
ISTD: 72 Ge
y = 2.455E-2 x + 1.072E-3
R 0.9999
DL 0.03202
BEC 0.04364



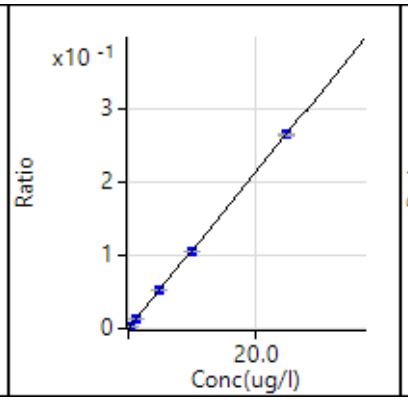
98 Mo [No Gas]
ISTD: 72 Ge
y = 3.988E-2 x + 1.899E-3
R 1.0000
DL 0.03557
BEC 0.04762



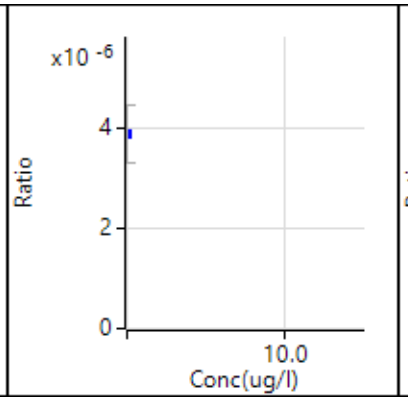
99 Ru [No Gas]
ISTD: 72 Ge
y =
R



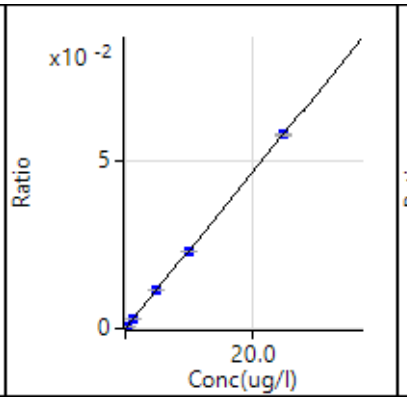
106 [Cd] [No Gas]
ISTD: 115 In
y =
R



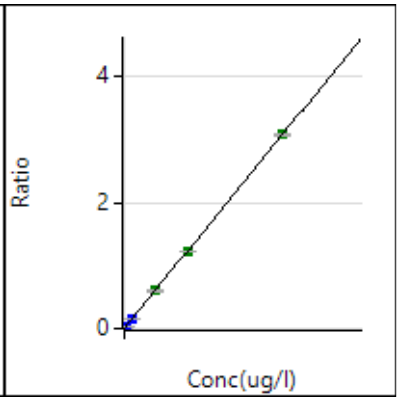
107 Ag [No Gas]
ISTD: 115 In
y = 1.059E-2 x + 3.959E-5
R 1.0000
DL 0.001003
BEC 0.003739



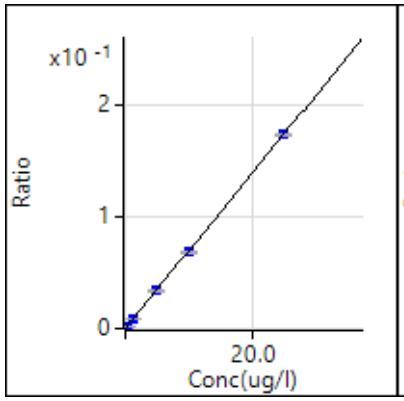
108 [Cd] [No Gas]
ISTD: 115 In
y =
R



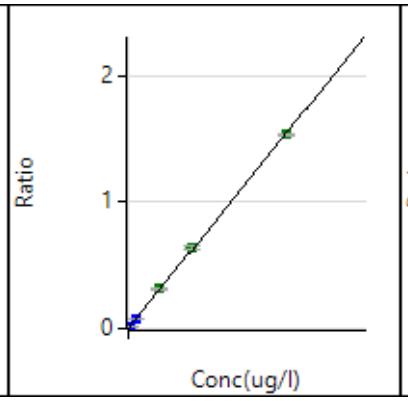
111 Cd [No Gas]
ISTD: 115 In
y = 2.323E-3 x + 6.349E-7
R 1.0000
DL 0.001782
BEC 0.0002733



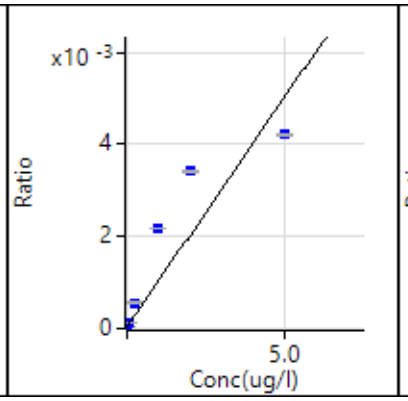
118 Sn [No Gas]
ISTD: 115 In
y = 6.143E-3 x + 1.071E-3
R 1.0000
DL 0.1871
BEC 0.1743



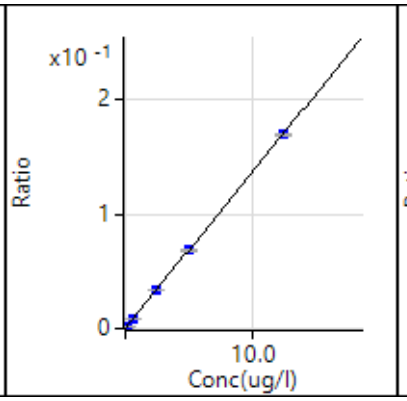
123 Sb [No Gas]
ISTD: 115 In
y = 6.914E-3 x + 5.785E-5
R 1.0000
DL 0.002477
BEC 0.008367



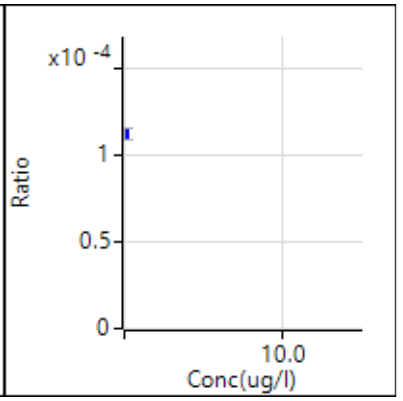
137 Ba [No Gas]
ISTD: 115 In
y = 3.083E-3 x + 4.521E-5
R 0.9999
DL 0.004904
BEC 0.01466



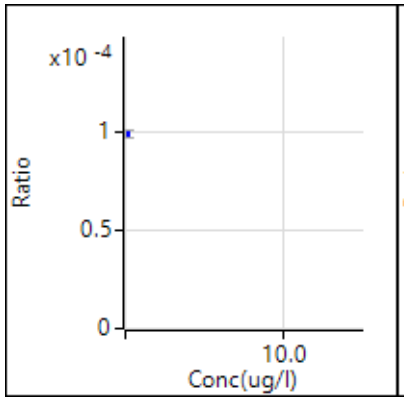
201 Hg [No Gas]
ISTD: 159 Tb
y = 9.979E-4 x + 2.505E-5
R 0.9173
DL 0.000991
BEC 0.0251



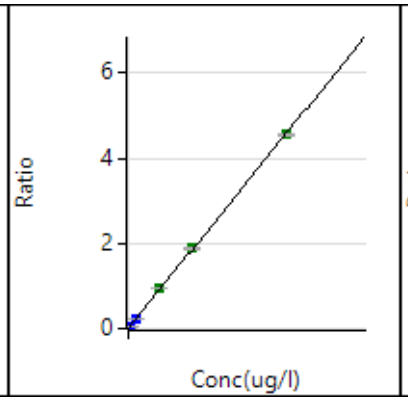
205 Tl [No Gas]
ISTD: 159 Tb
y = 1.361E-2 x + 7.063E-6
R 1.0000
DL 0.0001633
BEC 0.0005188



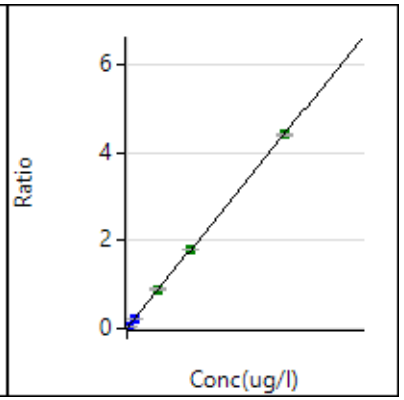
206 [Pb] [No Gas]
ISTD: 159 Tb
y =
R



207 [Pb] [No Gas]
ISTD: 159 Tb
y =
R



208 Pb [No Gas]
ISTD: 159 Tb
y = 1.830E-2 x + 4.449E-4
R 0.9999
DL 0.002397
BEC 0.02432



238 U [No Gas]
ISTD: 159 Tb
y = 8.837E-3 x + 9.951E-5
R 1.0000
DL 0.003155
BEC 0.01126

Tunes

US EPA Tune Check Report

Operator Name	ICPMS
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\240821ME.b
Acq. Date-Time	8/21/2024 08:36:04
Report Comment	---
Instrument Name	G8422A SG22151236

[No Gas]

Sensitivity

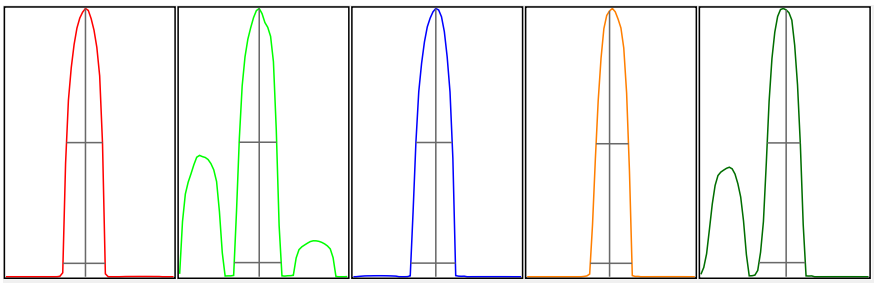
Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/(ug/l)]	Resp (Flag)	RSD%	RSD% (Required)
9	10.00	34545	345448.48			0.715	5.000
24	10.00	175141	1751407.84			1.853	5.000
59	10.00	363880	3638801.60			0.704	5.000
115	10.00	546990	5469903.84			0.591	5.000
208	10.00	315342	3153418.63			2.127	5.000

Mass	RSD% (Flag)
9	
24	
59	
115	
208	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	34922	34293	34463	34400	34646
24	175518	170839	176706	179339	173301
59	368200	362397	364238	362566	362000
115	547842	546027	546434	542878	551772
208	306699	314539	325551	315092	314829

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	58177.38	8.95	8.90 - 9.10	
24	281881.70	23.95	23.90 - 24.10	
59	605856.81	59.00	58.90 - 59.10	
115	989118.19	115.00	114.90 - 115.10	
208	553471.14	208.05	207.90 - 208.10	

US EPA Tune Check Report

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.63	0.742	0.900	
24	0.66	0.827	0.900	
59	0.64	0.785	0.900	
115	0.57	0.733	0.900	
208	0.58	0.816	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	153.699999999999
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.70 L/min	Makeup Gas	0.50 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	6.9 V	Deflect	12.2 V
Extract 2	-110.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-55 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9993	QP Bias	-3.0 V
Mass Offset	125	Axis Offset	0.03		

Hardware Settings

Torch

Torch H	0.4 mm	Torch V	0.0 mm

EM

Discriminator	3.1 mV	Analog HV	2156 V	Pulse HV	1535 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/(ug/l)]	Resp (Flag)	RSD%	RSD% (Required)
24	10.00	6682	66819.15			0.536	5.000
59	10.00	124096	1240958.93			1.651	5.000
115	10.00	178626	1786255.25			1.948	5.000
208	10.00	166115	1661154.05			1.205	5.000

Mass	RSD% (Flag)
24	
59	

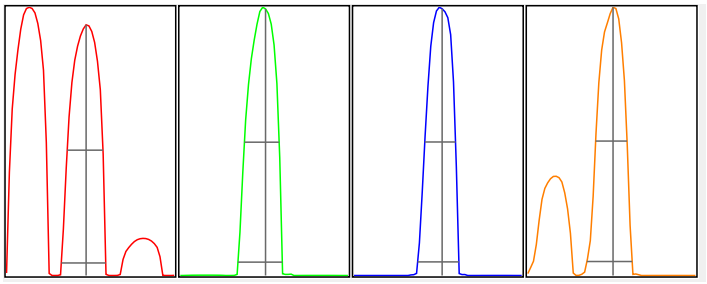
US EPA Tune Check Report

Mass	RSD% (Flag)
115	
208	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
24	6729	6685	6694	6671	6631
59	126519	125733	123364	121391	123472
115	181175	172729	178807	181242	179174
208	166980	168770	164245	166588	163995

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
24	11240.40	23.95	23.90 - 24.10	
59	213705.09	59.05	58.90 - 59.10	
115	336657.56	115.10	114.90 - 115.10	
208	311006.83	208.05	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
24	0.63	0.782	0.900	
59	0.61	0.780	0.900	
115	0.54	0.726	0.900	
208	0.55	0.797	0.900	

Integration Time [sec] 0.1
Acquisition Time [sec] 122.96
Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.70 L/min	Makeup Gas	0.35 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.1 V	Deflect	-0.4 V
Extract 2	-200.0 V	Cell Entrance	-40 V	Plate Bias	-55 V
Omega Bias	-90 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	3.0 V

US EPA Tune Check Report

He Flow	4.3 mL/min	OctP Bias	-18.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9993	QP Bias	-15.0 V
Mass Offset	125	Axis Offset	0.03		

Hardware Settings

Torch

Torch H	0.4 mm	Torch V	0.0 mm		

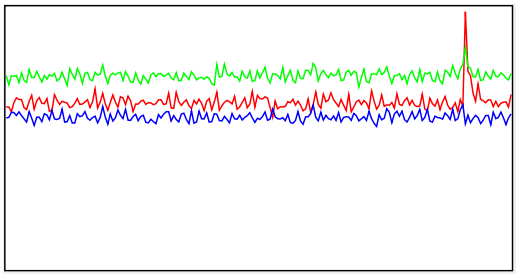
EM

Discriminator	3.1 mV	Analog HV	2156 V	Pulse HV	1535 V

Performance Report

Operator Name	ICPMS
Acq. Date-Time	8/21/2024 08:04:13
Instrument Name	G8422A SG22151236
Sample Introduction	PeriPump
Nebulizer Type	MicroMist
Ion Lens Model	x-Lens
Tune Parameters	Standard Tune

Sensitivity



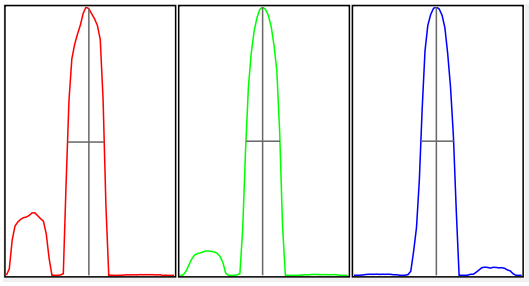
Mass	Range	Count	RSD%	Background
7	5000	3190	5.201	1.200
89	20000	14776	2.633	1.050
205	20000	11594	2.754	4.450

Sampling Period [sec]	0.311
Integration Time [sec]	0.1

Oxide/Doubly Charged Ratio

Oxide	156 / 140 0.955 %
Doubly Charged	70 / 140 1.336 %

Resolution/Axis



Mass	Peak Height	Axis	W-50%	W-10%
7	3169.87	7.00	0.65	0.77
89	14842.13	89.00	0.60	0.75
205	11643.20	205.00	0.58	0.77

Integration Time [sec]	0.1
Acquisition Time [sec]	22.74

Tune Parameters

Plasma Parameters

RF Power	1550 W	Option Gas	---	Makeup Gas	0.00 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Auxiliary Gas	0.90 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C	Plasma Gas	15.0 L/min
Nebulizer Gas	1.09 L/min				

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.2 V	Deflect	12.6 V
Extract 2	-200.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-80 V	Cell Exit	-50 V		

Performance Report

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

QP Bias	-3.0 V

Hardware Settings

Torch

Torch H	0.4 mm	Torch H (Hot)	---	Torch H (Cool)	---
Torch V	0.0 mm	Torch V (Hot)	---	Torch V (Cool)	---

Plasma Correction

Nebulizer Gas Offset	0.04 L/min	Makeup Gas (Hot)	---	Makeup Gas (Cool)	---
		Sample Depth (Hot)	---		

Resolution/Axis

Mass Gain	123	Axis Gain	0.9993		
Mass Offset	125	Axis Offset	0.03		

EM

Discriminator	3.1 mV	Analog HV	2156 V	Pulse HV	1535 V

Performance Report

Meter

Name	Value	Unit
Nebulizer Gas	1.09	L/min
MU./Dil. Gas	0.00	L/min
Plasma Gas	14.99	L/min
Aux Gas	0.90	L/min
Ar Gas Tank Press	5.60E+2	kPa
+5V (Press Gage)	5.0	V
Ar AMFC Temp	29.1	°C
Nebulizer Gas(DP)	5.80E+0	kPa
MU./Dil. Gas(DP)	-1.70E-1	kPa
Aux Gas(DP)	1.07E+1	kPa
Plasma Gas(DP)	1.17E+1	kPa
Nebulizer Gas(BP)	3.08E+2	kPa
MU./Dil. Gas(BP)	0.00E+0	kPa
Aux Gas(BP)	5.93E+1	kPa
Plasma Gas(BP)	4.28E+1	kPa
S/C Temp (H)	21.1	°C
S/C Temp (L)	2.0	°C
Peltier Voltage	4.2	V
IF/BK Press	2.58E+2	Pa
Analyzer Press	5.55E-5	Pa
IG HV	178	V
IG Emission	4.96	µA
TMP Revolution	100.0	%
TMP Rev (Raw)	100.7	%
TMP Current	2.72	A
PWR AMP Drain I	0.4	A
PWR AMP Bias	4.02	V
OctP RF (Avg)	203.1	V
OctP RF Set	3.9	V
OctP FET Bias Set	3.95	V
OctP RF(+)	177.8	V
OctP RF(-)	226.4	V
OctP Bias	-7.9	V
Cell Temp.	65.0	°C
Cell Heater Volt.	4.2	V
+U Voltage	404.9	V

Name	Value	Unit
-U Voltage	-413.1	V
V Voltage	1807.0	V
QPRF Fader	1.3	V
Pickup Temp	55.0	°C
PWR Amp Temp	0.1	V
+600V	620.0	V
-120V	-133.0	V
-720V	-741.3	V
Prefilter Bias	-4.98	V
Pickup Heater I	0.09	A
QP PS +48V	47.5	V
QP PS +48V I	0.00	A
Analog HV	-2163	V
Pulse HV	1547	V
EM Gate	-46.0	V
Pulse Gate	339.5	V
EM Entrance	0.1	V
EM HV Gain	-779.3	V
Inner Pole	-300.0	V
Outer Pole	19.9	V
Analog -5V	-5.1	V
Analog +15V	14.5	V
Analog -15V	-14.4	V
Analog +5V	5.2	V
Shunt C Pos	1.5	V
Drain Volt.(max)	60.5	V
RF PS +48V	47.3	V
Forward Power	1549	W
Reflected Power	4	W
Plasma Freq.	27.06	MHz
Drain I 1	11.64	A
Drain I 2	10.53	A
Drain I 3	10.89	A
Drain I 4	11.48	A
Temp Sensor	2.8	V
Driver I	6.07	A

Name	Value	Unit
Igniter	0.1	V
Driver Voltage Set	6.9	V
Unbalance Current	0.37	A
PWM Threshold Set	0.2	V
Driver Voltage	5.6	V
PWM Threshold	0.2	V
Phase Detector	2.0	mV
H2 Gas	0.00	mL/min
He Gas	0.12	mL/min
H2 Gas Press	1.70E+2	kPa
He Gas Press	0.00E+0	kPa
ORS AMFC Temp	29.3	°C
Atmospheric Press	1.02E+2	kPa
Extract 1	0.0	V
Extract 2	-199.9	V
Omega Bias	-79.9	V
Omega Lens	9.4	V
Cell Entrance	-30.0	V
Cell Exit	-50.0	V
Deflect	12.6	V
Plate Bias	-35.0	V
HV+530V	531	V
HV+240V	238	V
HV-360V	-360	V
Inlet Temp	25.7	°C
Internal Temp	34.6	°C
+24V	23.7	V
Water Temp	22.5	°C
Water RF/WC/IF	1.48	L/min
ISIS 3 Pump Speed	0.0	%
Valve Position		
Tune/ISTD Valve		

Performance Report History

Sensitivity

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/21/2024 08:04:13	3190	14776	11594
8/20/2024 09:20:37	4220	16080	10288
8/19/2024 10:25:21	3050	10181	8067
8/19/2024 09:17:03	3195	9903	8321
8/16/2024 08:56:38	3253	15296	12175
8/15/2024 08:28:01	3146	14138	12111
8/14/2024 08:24:41	3158	13973	11673
8/13/2024 08:51:41	3023	15070	13056
8/12/2024 09:10:43	3411	12432	11805
8/12/2024 08:57:52	1786	5237	5122
8/9/2024 11:39:50	3767	15758	13022
8/9/2024 10:08:20	12	1	3
8/8/2024 08:40:39	3024	12546	9719
8/7/2024 09:19:16	2917	12165	9488
8/6/2024 11:12:44	2859	11998	10016
8/6/2024 10:53:38	2232	10655	9558
8/5/2024 10:40:17	2691	10635	9226
8/5/2024 10:09:19	2125	6835	5664
8/5/2024 09:55:23	2365	7939	6556
8/2/2024 09:40:16	3340	11024	9295
8/2/2024 08:37:48	3505	10692	8586
8/1/2024 10:38:00	3758	12250	9330
8/1/2024 09:06:45	3389	10556	9761
7/31/2024 08:13:58	3039	11937	9529
7/30/2024 08:50:51	2533	10165	9332
7/29/2024 16:06:05	3222	12529	9934
7/29/2024 12:07:28	3037	11992	10136
7/29/2024 11:14:31	3174	12095	10013
7/29/2024 10:15:21	2846	11965	10483
7/26/2024 08:53:52	3203	12639	10549
7/25/2024 09:09:23	2585	8526	8080
7/24/2024 15:10:09	3079	9987	9009
7/24/2024 08:46:25	3148	11490	9796
7/23/2024 09:32:54	3357	11492	9580
7/22/2024 10:18:30	3442	12004	11023
7/19/2024 08:55:06	3486	11885	10185
7/18/2024 09:06:31	3257	9447	8888
7/17/2024 13:03:52	2495	9473	8373
7/17/2024 08:53:29	2867	10755	8619
7/16/2024 08:54:03	2886	10903	8985
7/15/2024 10:39:29	2656	10995	8921

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
7/15/2024 10:30:38	103	5	6
7/15/2024 10:13:57	1404	5260	4224
7/15/2024 09:02:48	3268	12919	10156
7/12/2024 08:34:22	2706	11570	8940
7/11/2024 09:57:22	2727	11970	8459
7/10/2024 08:53:17	2246	9073	7312
7/9/2024 11:54:06	3038	12303	9808
7/9/2024 11:32:31	2139	7705	5834
7/9/2024 11:26:38	2090	7758	5904
7/9/2024 10:39:16	3437	12816	9591
7/9/2024 09:17:46	2577	11478	8879
7/9/2024 08:57:06	3286	13034	8974
7/8/2024 09:21:55	3166	12745	9642
7/8/2024 09:16:31	3066	12665	9668
7/5/2024 09:03:10	3288	13628	11266
7/3/2024 13:05:52	3539	13046	10137
7/3/2024 11:25:40	3213	12344	9957
7/3/2024 09:13:37	3169	12570	10423
7/3/2024 08:44:49	2051	12221	9873
7/2/2024 10:26:17	2328	11750	10360
7/2/2024 08:58:12	3072	10344	9707
7/1/2024 14:16:19	3282	10802	9231
7/1/2024 10:01:10	3288	12796	10476
6/28/2024 08:25:22	3484	12596	10301
6/27/2024 08:34:14	3474	12721	10120
6/27/2024 08:11:22	1666	11338	9258
6/26/2024 07:54:24	2501	8288	8428
6/25/2024 09:02:17	2627	12790	10975
6/24/2024 09:30:27	2976	12050	10056
6/21/2024 08:55:34	3096	13175	9957
6/21/2024 08:22:44	1280	11401	9041
6/20/2024 09:00:43	2564	9588	8694
6/19/2024 07:51:31	2980	11922	9704
6/18/2024 07:52:20	3296	11922	9824
6/17/2024 08:58:45	3009	9463	9003
6/14/2024 08:44:27	2879	12214	10357
6/13/2024 08:42:30	3176	12682	10526
6/12/2024 09:03:47	2996	12633	11312
6/11/2024 08:44:40	3492	13252	10118
6/10/2024 09:31:51	4111	13060	10421
6/10/2024 09:17:04	3508	11070	8441

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
6/10/2024 09:10:07	3930	12555	9564
6/7/2024 09:02:38	3417	11597	7618
6/6/2024 15:20:20	2950	9649	8247
6/6/2024 05:03:01	3480	13184	11025
6/6/2024 04:59:28	3438	13257	11014
6/5/2024 08:30:26	3575	12412	10789
6/4/2024 08:52:51	3401	12310	11419
6/4/2024 08:39:35	2814	11768	10904
6/4/2024 08:33:37	3060	12687	11246
6/3/2024 10:10:17	3272	10175	10494
6/3/2024 09:51:43	1907	6599	4712
6/3/2024 09:44:54	2209	7627	5199
6/3/2024 09:30:49	3299	9738	9247
5/31/2024 08:42:32	3301	13328	10713
5/30/2024 09:08:46	3406	13401	10419
5/29/2024 09:04:40	3587	13162	10590
5/29/2024 08:48:40	1739	11664	8844
5/29/2024 08:44:08	1858	12854	9297
5/28/2024 09:34:37	3138	12513	10682
5/24/2024 07:20:01	3325	12857	11044
5/23/2024 10:25:13	3407	12821	11140
5/22/2024 09:45:06	3583	12763	11601
5/21/2024 09:06:58	3752	13803	11837
5/21/2024 08:01:17	3966	14413	11053
5/20/2024 17:22:27	3645	10846	9662
5/20/2024 17:18:56	3613	10801	9645
5/20/2024 09:20:56	3333	12566	10681
5/17/2024 09:12:39	3467	13701	10660
5/16/2024 08:56:23	3599	13565	10699
5/15/2024 09:38:13	3581	13159	10227
5/15/2024 09:21:01	1917	11948	9850
5/14/2024 09:41:16	3346	12368	10966
5/14/2024 09:04:40	3206	11414	12297
5/13/2024 09:04:44	2639	15138	12300
5/10/2024 08:57:17	2178	13865	10279
5/9/2024 09:06:46	2313	13292	10727
5/9/2024 08:50:21	1763	12142	9522
5/9/2024 08:44:20	1789	12171	9682
5/8/2024 09:39:10	3313	11092	11044
5/7/2024 17:05:39	3463	13115	10886
5/7/2024 16:48:43	3264	12073	10628

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
5/7/2024 09:19:24	3347	12706	11167
5/6/2024 09:15:59	3892	14499	12724
5/6/2024 09:03:10	3843	14665	13481
5/3/2024 09:11:06	3540	13100	11548
5/2/2024 09:48:24	3670	12233	11836
5/1/2024 09:22:54	4036	13686	11251
4/30/2024 10:43:56	4361	13605	11359
4/30/2024 08:17:01	4350	13793	11664
4/29/2024 09:10:57	4751	14089	11140
4/29/2024 08:57:45	3329	9292	6892
4/26/2024 08:09:31	5054	14978	10788
4/25/2024 09:37:51	4308	13902	11794
4/24/2024 09:17:24	4876	17662	12102
4/23/2024 22:46:11	4199	16180	12059
4/23/2024 09:01:59	3715	15592	11876
4/22/2024 10:16:34	4292	15978	13578
4/19/2024 10:59:00	3974	16385	11540
4/19/2024 10:07:48	2645	8439	3189
4/19/2024 09:10:32	360162	657303	2022720
4/18/2024 09:24:23	3369	17060	12485
4/17/2024 17:03:53	2828	16000	10229
4/17/2024 16:22:27	2262	14213	9009
4/17/2024 09:09:54	3608	12353	11595
4/16/2024 09:06:44	4046	14969	11814
4/15/2024 09:14:49	4139	16052	12083
4/12/2024 08:28:21	4666	17208	13280
4/11/2024 08:35:01	4138	17113	13613
4/10/2024 09:48:58	4018	16844	14484
4/9/2024 08:56:49	3881	15432	13181
4/8/2024 09:25:48	4035	16790	14224
4/5/2024 08:28:47	3893	17251	13416
4/4/2024 11:00:01	2778	10338	7494
4/4/2024 10:45:12	4028	16465	14158
4/3/2024 08:29:42	3630	16640	12452
4/2/2024 09:43:44	3046	17903	13815
4/1/2024 09:27:15	3194	17804	13701
3/29/2024 08:53:28	2520	17006	12384
3/28/2024 09:08:20	2920	17324	12995
3/27/2024 16:48:32	3382	17176	12605
3/27/2024 10:07:18	3661	16126	12723
3/27/2024 08:49:30	3929	17060	12992

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
3/26/2024 10:28:06	4590	16054	14855
3/25/2024 10:10:30	4003	18464	13973
3/22/2024 09:00:45	2984	17875	12893
3/21/2024 08:44:31	3167	17829	13067
3/20/2024 09:03:42	3080	17089	12389
3/19/2024 13:23:15	3786	17505	12877
3/19/2024 09:31:32	3279	17943	12421
3/18/2024 10:47:35	4608	16508	13822
3/15/2024 09:19:25	2446	16491	10868
3/14/2024 09:13:05	2441	16585	10800
3/13/2024 09:22:30	2903	16825	11325
3/12/2024 09:10:39	2653	17105	11709
3/11/2024 11:07:32	4200	16181	13057
3/11/2024 09:31:05	4293	17257	11986
3/11/2024 09:27:33	4322	17396	12106
3/8/2024 08:29:13	4145	16244	11704
3/7/2024 17:46:09	4185	15148	11811
3/7/2024 13:19:13	4029	15848	11265
3/7/2024 09:28:32	3605	13491	9204
3/7/2024 09:11:32	2580	13526	10298
3/7/2024 09:01:08	2698	13846	10718
3/6/2024 10:19:40	3208	14488	10724
3/5/2024 10:15:16	273	1743	2387
3/5/2024 10:09:01	146	892	1334
3/4/2024 11:41:00	4063	15365	11233
3/4/2024 11:28:21	1954	9059	5433
3/1/2024 08:43:28	2996	15512	8966
2/29/2024 10:38:23	4306	15354	11334
2/29/2024 10:00:25	554	3889	4359
2/29/2024 09:54:15	506	3359	3784
2/28/2024 09:32:01	3061	18229	13084
2/27/2024 09:16:47	2827	17549	11855
2/26/2024 10:30:35	3971	16379	11179
2/26/2024 10:00:21	1827	10055	6679
2/23/2024 09:07:38	3382	16511	11230
2/22/2024 08:58:48	3065	15604	10264
2/21/2024 09:51:13	3455	16190	11543
2/20/2024 09:59:52	3253	15976	11176
2/19/2024 11:30:32	4894	17240	13782
2/19/2024 11:27:00	4856	17120	13743
2/19/2024 10:16:07	4289	15395	10107

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
2/16/2024 10:28:26	3613	15969	9007
2/15/2024 09:20:58	4185	16564	9371
2/14/2024 09:20:12	4712	16825	9695
2/13/2024 10:44:41	4401	16379	9098
2/13/2024 10:29:18	758	13401	11559
2/12/2024 11:24:46	2301	15124	11918
2/12/2024 11:09:08	53	2239	4028
2/12/2024 10:33:45	42	1954	3702
2/12/2024 10:19:52	438	2663	2740
2/12/2024 10:03:02	137	541	1027
2/9/2024 09:43:26	2475	17092	10562
2/8/2024 09:41:08	2739	17007	11011
2/7/2024 09:08:34	2949	17251	11332
2/6/2024 10:08:14	3266	17222	10352
2/5/2024 16:27:35	2590	11801	7811
2/2/2024 09:52:22	4247	15989	11850
2/1/2024 09:29:20	4221	15873	11923
1/31/2024 11:01:25	4619	16449	12370
1/31/2024 10:56:52	2140	7715	5751
1/30/2024 09:04:33	4439	15663	11799
1/29/2024 09:09:33	3916	13763	12278
1/26/2024 10:08:59	3557	15191	9410
1/25/2024 09:54:25	3735	15427	9753
1/24/2024 08:52:40	3752	15257	10201
1/23/2024 11:08:41	3473	15039	10359
1/22/2024 09:17:23	4075	16149	10348
1/22/2024 09:06:26	2984	12293	7869
1/19/2024 09:01:45	3434	14536	9100
1/18/2024 10:29:20	3342	14635	9148
1/17/2024 08:52:45	3752	15881	10390
1/16/2024 14:09:54	4332	14365	9878
1/16/2024 13:58:35	1849	8752	5553
1/16/2024 13:45:11	1759	8747	5733
1/15/2024 13:03:28	344	1843	2376
1/15/2024 10:46:25	310	1953	2595
1/15/2024 10:34:05	355	1945	2594
1/15/2024 10:25:28	354	1906	2502
1/15/2024 09:48:32	378	1867	2261
1/15/2024 09:32:45	371	1842	2272
1/11/2024 14:10:39	440	1388	1671
1/11/2024 14:00:32	442	1331	1629

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/11/2024 13:07:14	441	1073	1309
1/11/2024 12:18:32	442	1296	1595
1/11/2024 10:36:51	468	1469	1987
1/11/2024 10:28:26	430	1428	1696
1/11/2024 09:11:58	387	1869	2263
1/11/2024 09:02:27	313	1592	1975
1/11/2024 08:54:00	310	1559	1944
1/10/2024 09:10:40	3490	14986	10982
1/9/2024 12:58:05	4349	14607	8180
1/9/2024 12:49:35	715	10779	7642
1/9/2024 12:37:33	8	1202	6143
1/9/2024 12:22:55	8	1215	6181
1/9/2024 12:00:03	8	1341	6546
1/9/2024 11:54:42	9	1280	6372
1/9/2024 11:45:17	9	1382	6594
1/9/2024 11:40:53	10	1397	6617
1/9/2024 11:25:08	362	1545	1665
1/9/2024 11:20:04	363	1540	1650
1/8/2024 13:49:37	3408	10281	9523
1/8/2024 12:34:48	1155	5021	6450
1/8/2024 12:30:18	1191	5187	6341
1/5/2024 09:35:49	3668	12692	8070
1/4/2024 09:13:21	3867	12894	6927
1/4/2024 09:00:57	603	1935	1257
1/3/2024 08:46:17	3809	12778	9107
1/2/2024 11:16:48	3519	12397	9390
1/2/2024 10:38:17	3814	12293	8842
12/29/2023 10:12:49	4013	12649	8816
12/28/2023 08:59:35	3766	13387	9586
12/27/2023 12:20:02	3809	12937	8800
12/27/2023 11:34:32	40	9	2
12/27/2023 10:51:04	55	31	2
12/27/2023 10:41:08	72	37	8
12/27/2023 10:33:50	3879	13288	8945
12/27/2023 10:28:28	3772	13183	8580
12/22/2023 07:49:52	3943	11892	9924
12/21/2023 08:44:43	3526	13027	9943
12/20/2023 09:26:41	4003	13172	10074
12/19/2023 09:55:37	4333	13694	10285
12/18/2023 10:16:18	4138	13763	10818
12/18/2023 10:06:38	3415	13014	10962

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/18/2023 10:00:26	3894	14384	11204
12/15/2023 09:45:55	3734	14030	9513
12/14/2023 10:23:15	3524	14113	9600
12/13/2023 10:17:40	3829	13996	9570
12/12/2023 09:56:00	3555	14240	9677
12/11/2023 10:31:48	3701	14394	9382
12/8/2023 10:10:39	3664	14293	8929
12/7/2023 09:51:50	3426	13353	8809
12/6/2023 10:12:37	3698	14579	8824
12/5/2023 10:02:14	3349	13427	9922
12/4/2023 12:08:53	3427	12418	10340
12/4/2023 11:24:17	1768	7808	8292
12/4/2023 11:20:06	1802	8001	8316
12/4/2023 11:16:06	1832	8106	8250
12/4/2023 10:23:39	1770	7816	7735
12/4/2023 10:16:55	1601	7275	7827
12/4/2023 10:09:27	1944	8113	7456
12/1/2023 09:45:19	2113	9054	8466
11/30/2023 11:48:17	2317	9995	8851
11/30/2023 11:13:01	1727	8309	9089
11/30/2023 11:05:44	1721	8023	8748
11/30/2023 10:33:46	1172	5927	8124
11/29/2023 10:04:26	2359	11870	8365
11/29/2023 09:51:22	1483	5693	3444
11/28/2023 12:50:37	3146	12531	8324
11/28/2023 12:18:55	2789	8914	4789
11/28/2023 12:15:04	3346	10726	5995
11/28/2023 11:49:24	2609	8496	4878
11/28/2023 10:22:53	1529	5718	4738
11/28/2023 10:19:03	1663	6180	5204
11/28/2023 10:15:20	1784	6623	5657
11/28/2023 09:59:37	1436	6174	5639
11/27/2023 10:28:48	2148	9665	8835
11/27/2023 10:07:16	1451	7618	8440
11/27/2023 10:01:25	1454	7648	8543
11/27/2023 09:52:06	1636	8794	9323
11/22/2023 09:50:47	2317	9749	8520
11/21/2023 09:52:05	2348	10189	9398
11/20/2023 09:38:08	2536	10392	9162
11/17/2023 10:07:38	2699	10664	9285
11/16/2023 09:42:56	2615	11519	10404

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/15/2023 13:01:45	2120	9780	10146
11/15/2023 12:33:52	1814	8334	9391
11/15/2023 12:27:35	1837	8353	9462
11/15/2023 12:17:35	1829	8310	9392
11/15/2023 12:09:42	1631	7760	9062
11/15/2023 10:39:09	1634	7521	8758
11/14/2023 10:25:03	4165	15167	8009
11/13/2023 09:42:07	3445	15971	9795
11/10/2023 09:15:37	3300	14607	7635
11/9/2023 09:55:52	2651	15369	8099
11/8/2023 09:55:56	2862	15545	7990
11/7/2023 10:07:52	2359	13776	7205
11/7/2023 10:01:12	1759	11245	6289
11/7/2023 09:55:11	1931	12236	6442
11/6/2023 10:21:52	3645	16323	7638
11/3/2023 09:44:39	2391	13805	7745
11/2/2023 09:56:11	2999	15000	8628
11/1/2023 09:41:33	3299	14766	7935

Background

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/21/2024 08:04:13	1.200	1.050	4.450
8/20/2024 09:20:37	1.250	1.250	5.250
8/19/2024 10:25:21	1.000	0.500	4.550
8/19/2024 09:17:03	0.900	0.650	3.700
8/16/2024 08:56:38	1.050	1.050	3.450
8/15/2024 08:28:01	1.000	0.600	3.250
8/14/2024 08:24:41	1.150	0.450	4.000
8/13/2024 08:51:41	1.200	0.450	2.850
8/12/2024 09:10:43	0.500	0.500	2.350
8/12/2024 08:57:52	0.950	0.600	2.950
8/9/2024 11:39:50	1.350	0.700	4.500
8/9/2024 10:08:20	0.850	0.600	3.100
8/8/2024 08:40:39	1.200	0.500	5.750
8/7/2024 09:19:16	1.350	0.900	4.300
8/6/2024 11:12:44	1.450	0.800	3.500

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/6/2024 10:53:38	1.600	0.500	3.350
8/5/2024 10:40:17	0.600	0.750	3.150
8/5/2024 10:09:19	1.300	0.750	4.700
8/5/2024 09:55:23	0.800	0.700	5.750
8/2/2024 09:40:16	1.050	0.650	4.450
8/2/2024 08:37:48	1.300	0.700	4.600
8/1/2024 10:38:00	1.050	0.550	5.450
8/1/2024 09:06:45	0.900	0.850	3.750
7/31/2024 08:13:58	1.200	0.650	3.800
7/30/2024 08:50:51	1.100	0.650	2.400
7/29/2024 16:06:05	1.250	0.950	4.850
7/29/2024 12:07:28	1.500	0.750	4.100
7/29/2024 11:14:31	1.200	1.000	3.500
7/29/2024 10:15:21	1.250	0.800	3.900
7/26/2024 08:53:52	0.750	1.200	3.950
7/25/2024 09:09:23	0.750	0.300	2.900
7/24/2024 15:10:09	0.750	0.700	3.650
7/24/2024 08:46:25	1.100	0.650	4.200
7/23/2024 09:32:54	1.250	0.750	3.550
7/22/2024 10:18:30	1.050	0.600	4.200
7/19/2024 08:55:06	1.300	0.650	4.050
7/18/2024 09:06:31	0.700	0.600	2.950
7/17/2024 13:03:52	1.150	0.800	3.850
7/17/2024 08:53:29	1.700	0.550	5.400
7/16/2024 08:54:03	0.900	0.850	4.100
7/15/2024 10:39:29	1.050	0.750	4.650
7/15/2024 10:30:38	1.250	0.750	4.300
7/15/2024 10:13:57	1.250	0.650	4.400
7/15/2024 09:02:48	1.550	0.450	4.300
7/12/2024 08:34:22	1.200	0.850	4.100
7/11/2024 09:57:22	1.550	1.200	5.900
7/10/2024 08:53:17	1.050	0.850	2.900
7/9/2024 11:54:06	1.200	0.750	3.700
7/9/2024 11:32:31	1.000	0.450	3.700
7/9/2024 11:26:38	1.550	0.550	4.350
7/9/2024 10:39:16	1.200	1.050	4.700
7/9/2024 09:17:46	1.550	0.800	4.650
7/9/2024 08:57:06	1.250	0.700	3.100
7/8/2024 09:21:55	1.700	0.950	5.050
7/8/2024 09:16:31	1.050	0.750	4.500
7/5/2024 09:03:10	1.200	0.500	3.600

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
7/3/2024 13:05:52	1.150	1.000	4.000
7/3/2024 11:25:40	1.500	0.850	4.500
7/3/2024 09:13:37	1.000	0.550	4.300
7/3/2024 08:44:49	0.950	0.650	3.500
7/2/2024 10:26:17	0.850	0.650	3.600
7/2/2024 08:58:12	0.900	0.850	3.350
7/1/2024 14:16:19	1.450	0.500	5.050
7/1/2024 10:01:10	1.450	0.850	3.900
6/28/2024 08:25:22	1.100	1.350	4.300
6/27/2024 08:34:14	1.350	0.900	6.000
6/27/2024 08:11:22	0.850	0.700	4.400
6/26/2024 07:54:24	0.650	0.400	2.750
6/25/2024 09:02:17	0.900	0.650	4.200
6/24/2024 09:30:27	1.250	1.100	4.150
6/21/2024 08:55:34	1.150	0.700	6.200
6/21/2024 08:22:44	1.050	0.900	3.250
6/20/2024 09:00:43	1.300	0.700	2.750
6/19/2024 07:51:31	1.500	1.400	4.900
6/18/2024 07:52:20	1.850	1.000	4.300
6/17/2024 08:58:45	1.000	0.450	2.900
6/14/2024 08:44:27	1.200	0.450	4.150
6/13/2024 08:42:30	1.100	0.850	4.800
6/12/2024 09:03:47	1.200	0.400	3.350
6/11/2024 08:44:40	1.650	0.700	3.950
6/10/2024 09:31:51	1.550	0.750	4.350
6/10/2024 09:17:04	1.250	0.450	3.800
6/10/2024 09:10:07	1.400	0.600	3.500
6/7/2024 09:02:38	1.400	0.350	3.300
6/6/2024 15:20:20	1.150	0.400	2.650
6/6/2024 05:03:01	1.500	1.100	4.650
6/6/2024 04:59:28	1.300	0.900	3.750
6/5/2024 08:30:26	1.800	1.350	4.050
6/4/2024 08:52:51	0.650	0.500	3.850
6/4/2024 08:39:35	0.850	0.500	3.450
6/4/2024 08:33:37	0.950	0.800	4.400
6/3/2024 10:10:17	1.000	0.500	3.100
6/3/2024 09:51:43	2.050	0.850	4.950
6/3/2024 09:44:54	1.500	0.500	5.150
6/3/2024 09:30:49	1.100	0.350	3.050
5/31/2024 08:42:32	1.350	0.900	5.150
5/30/2024 09:08:46	1.000	0.550	4.300

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
5/29/2024 09:04:40	1.150	0.750	4.750
5/29/2024 08:48:40	0.700	0.550	2.700
5/29/2024 08:44:08	1.150	0.400	3.600
5/28/2024 09:34:37	1.000	0.450	3.150
5/24/2024 07:20:01	1.250	1.100	4.200
5/23/2024 10:25:13	0.900	0.900	5.100
5/22/2024 09:45:06	1.050	0.750	5.250
5/21/2024 09:06:58	1.400	1.100	5.050
5/21/2024 08:01:17	1.150	0.950	4.950
5/20/2024 17:22:27	0.900	0.750	3.800
5/20/2024 17:18:56	1.050	1.050	3.750
5/20/2024 09:20:56	0.450	0.650	3.250
5/17/2024 09:12:39	1.050	0.700	4.800
5/16/2024 08:56:23	0.900	0.750	3.850
5/15/2024 09:38:13	0.750	0.600	4.050
5/15/2024 09:21:01	0.900	0.250	3.400
5/14/2024 09:41:16	0.900	0.350	3.050
5/14/2024 09:04:40	0.600	0.350	2.100
5/13/2024 09:04:44	0.950	0.900	3.450
5/10/2024 08:57:17	0.900	0.550	5.000
5/9/2024 09:06:46	1.100	0.900	5.050
5/9/2024 08:50:21	1.150	0.700	4.800
5/9/2024 08:44:20	1.000	1.000	5.300
5/8/2024 09:39:10	1.300	0.600	3.200
5/7/2024 17:05:39	1.150	0.700	4.850
5/7/2024 16:48:43	1.050	0.800	3.600
5/7/2024 09:19:24	1.000	0.800	3.750
5/6/2024 09:15:59	0.750	0.750	4.350
5/6/2024 09:03:10	0.850	0.700	4.500
5/3/2024 09:11:06	1.150	0.500	3.350
5/2/2024 09:48:24	0.800	0.800	2.450
5/1/2024 09:22:54	1.300	0.700	5.450
4/30/2024 10:43:56	1.000	1.250	5.000
4/30/2024 08:17:01	1.150	0.950	4.100
4/29/2024 09:10:57	1.550	0.750	5.050
4/29/2024 08:57:45	1.550	0.850	5.850
4/26/2024 08:09:31	1.300	0.750	5.850
4/25/2024 09:37:51	1.250	1.000	4.100
4/24/2024 09:17:24	1.600	1.450	5.400
4/23/2024 22:46:11	1.250	1.150	5.750
4/23/2024 09:01:59	0.700	0.550	4.900

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
4/22/2024 10:16:34	1.000	0.650	4.100
4/19/2024 10:59:00	1.050	1.050	5.250
4/19/2024 10:07:48	2.150	1.700	8.800
4/19/2024 09:10:32	0.600	0.600	1.050
4/18/2024 09:24:23	0.850	0.800	2.900
4/17/2024 17:03:53	1.350	0.800	4.300
4/17/2024 16:22:27	1.150	1.000	4.600
4/17/2024 09:09:54	0.800	0.750	2.300
4/16/2024 09:06:44	1.150	1.300	4.500
4/15/2024 09:14:49	1.200	1.150	5.300
4/12/2024 08:28:21	1.050	0.850	4.250
4/11/2024 08:35:01	0.900	0.700	4.650
4/10/2024 09:48:58	0.550	1.000	3.500
4/9/2024 08:56:49	0.700	0.700	3.500
4/8/2024 09:25:48	0.950	0.800	4.150
4/5/2024 08:28:47	1.450	0.700	5.100
4/4/2024 11:00:01	1.700	0.650	4.750
4/4/2024 10:45:12	1.100	0.750	3.200
4/3/2024 08:29:42	0.950	0.900	5.550
4/2/2024 09:43:44	0.800	0.750	2.500
4/1/2024 09:27:15	1.200	1.300	3.650
3/29/2024 08:53:28	1.250	0.900	3.350
3/28/2024 09:08:20	0.800	0.850	3.950
3/27/2024 16:48:32	1.250	1.100	4.700
3/27/2024 10:07:18	1.650	0.750	3.600
3/27/2024 08:49:30	1.700	0.600	4.200
3/26/2024 10:28:06	1.450	0.550	4.000
3/25/2024 10:10:30	1.150	0.650	4.800
3/22/2024 09:00:45	0.750	0.750	4.000
3/21/2024 08:44:31	0.900	0.450	4.000
3/20/2024 09:03:42	1.350	0.650	2.950
3/19/2024 13:23:15	1.250	0.750	3.650
3/19/2024 09:31:32	0.950	0.500	3.450
3/18/2024 10:47:35	1.150	0.550	3.550
3/15/2024 09:19:25	1.700	1.000	5.050
3/14/2024 09:13:05	1.100	0.750	4.050
3/13/2024 09:22:30	1.700	0.850	3.850
3/12/2024 09:10:39	0.850	0.700	3.750
3/11/2024 11:07:32	1.650	0.850	4.300
3/11/2024 09:31:05	1.450	0.850	4.850
3/11/2024 09:27:33	1.950	0.500	4.700

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
3/8/2024 08:29:13	1.800	0.650	4.350
3/7/2024 17:46:09	1.250	1.050	4.550
3/7/2024 13:19:13	0.950	0.650	4.750
3/7/2024 09:28:32	2.150	1.000	4.900
3/7/2024 09:11:32	1.200	0.600	3.500
3/7/2024 09:01:08	1.250	0.700	4.350
3/6/2024 10:19:40	1.600	0.500	4.550
3/5/2024 10:15:16	45.151	868.764	0.250
3/5/2024 10:09:01	0.450	0.100	0.150
3/4/2024 11:41:00	1.650	1.000	4.400
3/4/2024 11:28:21	1.900	1.700	7.550
3/1/2024 08:43:28	1.850	1.100	5.400
2/29/2024 10:38:23	1.350	0.800	4.500
2/29/2024 10:00:25	0.850	0.450	1.150
2/29/2024 09:54:15	0.900	0.350	1.300
2/28/2024 09:32:01	1.250	0.700	3.350
2/27/2024 09:16:47	1.000	0.700	3.200
2/26/2024 10:30:35	1.750	0.700	5.350
2/26/2024 10:00:21	2.150	0.700	5.850
2/23/2024 09:07:38	1.300	0.550	3.600
2/22/2024 08:58:48	1.150	0.850	4.300
2/21/2024 09:51:13	1.000	0.650	3.750
2/20/2024 09:59:52	1.100	1.250	3.900
2/19/2024 11:30:32	1.150	0.400	3.700
2/19/2024 11:27:00	1.800	0.500	3.150
2/19/2024 10:16:07	1.100	0.750	4.100
2/16/2024 10:28:26	1.650	0.950	5.150
2/15/2024 09:20:58	1.850	0.850	5.350
2/14/2024 09:20:12	2.050	1.150	5.600
2/13/2024 10:44:41	1.700	1.150	5.800
2/13/2024 10:29:18	1.550	0.800	2.700
2/12/2024 11:24:46	1.300	0.400	3.900
2/12/2024 11:09:08	0.150	0.150	0.350
2/12/2024 10:33:45	0.450	2.300	0.100
2/12/2024 10:19:52	1.550	0.400	1.250
2/12/2024 10:03:02	0.150	0.050	0.200
2/9/2024 09:43:26	1.600	0.400	3.200
2/8/2024 09:41:08	1.600	0.800	3.200
2/7/2024 09:08:34	1.200	0.550	3.550
2/6/2024 10:08:14	1.650	1.550	4.100
2/5/2024 16:27:35	1.100	0.550	3.400

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
2/2/2024 09:52:22	1.250	0.600	5.350
2/1/2024 09:29:20	1.000	0.550	5.000
1/31/2024 11:01:25	1.300	0.650	4.650
1/31/2024 10:56:52	1.200	0.800	5.700
1/30/2024 09:04:33	0.900	0.650	5.400
1/29/2024 09:09:33	1.100	0.650	4.000
1/26/2024 10:08:59	1.450	1.050	5.000
1/25/2024 09:54:25	1.350	0.850	3.950
1/24/2024 08:52:40	1.300	0.900	3.900
1/23/2024 11:08:41	1.000	0.900	3.450
1/22/2024 09:17:23	1.300	0.800	5.500
1/22/2024 09:06:26	1.750	0.650	4.050
1/19/2024 09:01:45	1.750	1.000	4.000
1/18/2024 10:29:20	1.250	0.650	3.600
1/17/2024 08:52:45	1.550	0.650	4.250
1/16/2024 14:09:54	1.450	0.650	4.150
1/16/2024 13:58:35	1.450	0.800	3.350
1/16/2024 13:45:11	1.050	0.600	3.600
1/15/2024 13:03:28	0.750	0.200	0.700
1/15/2024 10:46:25	0.800	0.100	0.400
1/15/2024 10:34:05	0.800	0.100	0.750
1/15/2024 10:25:28	1.350	0.150	0.800
1/15/2024 09:48:32	0.950	0.250	0.450
1/15/2024 09:32:45	1.050	0.350	0.600
1/11/2024 14:10:39	0.900	0.150	0.200
1/11/2024 14:00:32	0.700	0.050	0.250
1/11/2024 13:07:14	0.600	0.150	0.250
1/11/2024 12:18:32	0.550	0.050	0.400
1/11/2024 10:36:51	0.450	0.100	0.250
1/11/2024 10:28:26	0.550	0.050	0.200
1/11/2024 09:11:58	0.300	0.150	0.500
1/11/2024 09:02:27	0.700	0.200	0.500
1/11/2024 08:54:00	0.450	0.100	0.600
1/10/2024 09:10:40	1.400	1.000	4.400
1/9/2024 12:58:05	2.000	0.800	4.900
1/9/2024 12:49:35	1.200	0.450	1.750
1/9/2024 12:37:33	0.000	0.050	0.200
1/9/2024 12:22:55	0.050	0.050	0.000
1/9/2024 12:00:03	0.000	0.050	0.100
1/9/2024 11:54:42	0.000	0.000	0.050
1/9/2024 11:45:17	0.100	0.000	0.050

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/9/2024 11:40:53	0.050	0.000	0.050
1/9/2024 11:25:08	0.450	0.050	0.200
1/9/2024 11:20:04	0.250	0.100	0.200
1/8/2024 13:49:37	0.950	0.550	2.650
1/8/2024 12:34:48	0.350	0.150	0.600
1/8/2024 12:30:18	0.250	0.300	0.450
1/5/2024 09:35:49	1.250	0.450	3.900
1/4/2024 09:13:21	1.100	0.750	4.350
1/4/2024 09:00:57	1.400	0.450	2.950
1/3/2024 08:46:17	1.250	0.600	3.200
1/2/2024 11:16:48	1.350	0.300	2.800
1/2/2024 10:38:17	1.250	0.800	2.900
12/29/2023 10:12:49	0.850	0.500	3.100
12/28/2023 08:59:35	1.000	0.800	3.550
12/27/2023 12:20:02	1.000	0.600	3.150
12/27/2023 11:34:32	0.800	0.650	3.450
12/27/2023 10:51:04	1.000	0.800	3.000
12/27/2023 10:41:08	1.200	0.400	3.400
12/27/2023 10:33:50	1.500	0.650	3.500
12/27/2023 10:28:28	0.950	0.600	3.300
12/22/2023 07:49:52	0.850	0.450	2.400
12/21/2023 08:44:43	1.050	0.450	2.150
12/20/2023 09:26:41	0.600	0.350	3.500
12/19/2023 09:55:37	1.150	0.550	2.600
12/18/2023 10:16:18	0.700	0.400	2.100
12/18/2023 10:06:38	0.900	0.150	2.400
12/18/2023 10:00:26	1.150	0.200	2.950
12/15/2023 09:45:55	1.000	0.800	3.050
12/14/2023 10:23:15	0.350	0.850	2.950
12/13/2023 10:17:40	0.650	0.250	2.800
12/12/2023 09:56:00	0.950	0.600	2.700
12/11/2023 10:31:48	1.350	0.200	2.550
12/8/2023 10:10:39	0.950	0.600	3.250
12/7/2023 09:51:50	0.850	0.300	2.550
12/6/2023 10:12:37	1.050	0.750	3.550
12/5/2023 10:02:14	0.600	0.450	1.750
12/4/2023 12:08:53	0.600	0.300	2.500
12/4/2023 11:24:17	0.350	0.200	1.300
12/4/2023 11:20:06	0.500	0.250	0.850
12/4/2023 11:16:06	0.150	0.500	1.150
12/4/2023 10:23:39	0.300	0.150	1.400

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/4/2023 10:16:55	0.300	0.350	0.950
12/4/2023 10:09:27	0.400	0.300	1.100
12/1/2023 09:45:19	0.550	0.500	1.500
11/30/2023 11:48:17	0.450	0.350	1.950
11/30/2023 11:13:01	0.450	0.100	1.200
11/30/2023 11:05:44	0.500	0.050	1.150
11/30/2023 10:33:46	0.150	0.200	0.700
11/29/2023 10:04:26	0.850	0.450	2.200
11/29/2023 09:51:22	0.750	0.300	2.400
11/28/2023 12:50:37	1.000	0.550	2.650
11/28/2023 12:18:55	0.800	0.700	3.500
11/28/2023 12:15:04	0.500	0.450	3.050
11/28/2023 11:49:24	0.900	0.450	3.200
11/28/2023 10:22:53	0.650	0.350	1.800
11/28/2023 10:19:03	0.550	0.400	1.950
11/28/2023 10:15:20	0.200	0.200	1.650
11/28/2023 09:59:37	0.250	0.200	1.500
11/27/2023 10:28:48	0.300	0.200	1.850
11/27/2023 10:07:16	0.300	0.100	1.500
11/27/2023 10:01:25	0.500	0.150	1.150
11/27/2023 09:52:06	0.500	0.150	1.250
11/22/2023 09:50:47	0.500	0.300	1.700
11/21/2023 09:52:05	0.650	0.250	1.200
11/20/2023 09:38:08	0.200	0.350	1.450
11/17/2023 10:07:38	0.250	0.100	2.450
11/16/2023 09:42:56	0.350	0.350	2.750
11/15/2023 13:01:45	0.550	0.100	1.700
11/15/2023 12:33:52	0.350	0.250	0.900
11/15/2023 12:27:35	0.150	0.250	1.300
11/15/2023 12:17:35	0.400	0.200	0.900
11/15/2023 12:09:42	0.450	0.150	1.350
11/15/2023 10:39:09	0.200	0.100	1.150
11/14/2023 10:25:03	1.600	0.750	4.550
11/13/2023 09:42:07	1.000	0.350	3.300
11/10/2023 09:15:37	0.950	0.650	3.000
11/9/2023 09:55:52	0.850	0.450	2.800
11/8/2023 09:55:56	1.100	0.450	3.550
11/7/2023 10:07:52	1.150	0.800	3.850
11/7/2023 10:01:12	0.750	0.350	2.550
11/7/2023 09:55:11	1.000	0.350	3.150
11/6/2023 10:21:52	1.450	0.800	3.700

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/3/2023 09:44:39	1.250	0.600	4.000
11/2/2023 09:56:11	1.350	0.500	3.200
11/1/2023 09:41:33	1.550	0.700	4.000

Tune Parameters

Created Date	Extract 1	Extract 2	Omega Bias
8/21/2024 08:04:13	0.0 V	-200.0 V	-80 V
8/20/2024 09:20:37	0.0 V	-190.0 V	-100 V
8/19/2024 10:25:21	0.0 V	-185.0 V	-80 V
8/19/2024 09:17:03	0.0 V	-165.0 V	-80 V
8/16/2024 08:56:38	0.0 V	-180.0 V	-80 V
8/15/2024 08:28:01	0.0 V	-165.0 V	-80 V
8/14/2024 08:24:41	0.0 V	-175.0 V	-80 V
8/13/2024 08:51:41	0.0 V	-185.0 V	-80 V
8/12/2024 09:10:43	0.0 V	-160.0 V	-80 V
8/12/2024 08:57:52	0.0 V	-180.0 V	-80 V
8/9/2024 11:39:50	0.0 V	-195.0 V	-90 V
8/9/2024 10:08:20	0.0 V	-195.0 V	-90 V
8/8/2024 08:40:39	0.0 V	-195.0 V	-90 V
8/7/2024 09:19:16	0.0 V	-195.0 V	-90 V
8/6/2024 11:12:44	0.0 V	-200.0 V	-80 V
8/6/2024 10:53:38	0.0 V	-200.0 V	-80 V
8/5/2024 10:40:17	0.0 V	-200.0 V	-80 V
8/5/2024 10:09:19	0.0 V	-200.0 V	-90 V
8/5/2024 09:55:23	0.0 V	-195.0 V	-90 V
8/2/2024 09:40:16	0.0 V	-190.0 V	-90 V
8/2/2024 08:37:48	0.0 V	-190.0 V	-90 V
8/1/2024 10:38:00	0.0 V	-180.0 V	-90 V
8/1/2024 09:06:45	0.0 V	-175.0 V	-90 V
7/31/2024 08:13:58	0.0 V	-185.0 V	-90 V
7/30/2024 08:50:51	0.0 V	-180.0 V	-90 V
7/29/2024 16:06:05	0.0 V	-190.0 V	-90 V
7/29/2024 12:07:28	0.0 V	-195.0 V	-90 V
7/29/2024 11:14:31	0.0 V	-195.0 V	-100 V
7/29/2024 10:15:21	0.0 V	-180.0 V	-90 V
7/26/2024 08:53:52	0.0 V	-190.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
7/25/2024 09:09:23	0.0 V	-165.0 V	-90 V
7/24/2024 15:10:09	0.0 V	-185.0 V	-90 V
7/24/2024 08:46:25	0.0 V	-180.0 V	-90 V
7/23/2024 09:32:54	0.0 V	-180.0 V	-90 V
7/22/2024 10:18:30	0.0 V	-185.0 V	-90 V
7/19/2024 08:55:06	0.0 V	-190.0 V	-90 V
7/18/2024 09:06:31	0.0 V	-175.0 V	-90 V
7/17/2024 13:03:52	0.0 V	-185.0 V	-90 V
7/17/2024 08:53:29	0.0 V	-185.0 V	-90 V
7/16/2024 08:54:03	0.0 V	-190.0 V	-90 V
7/15/2024 10:39:29	0.0 V	-195.0 V	-90 V
7/15/2024 10:30:38	0.0 V	-180.0 V	-90 V
7/15/2024 10:13:57	0.0 V	-180.0 V	-90 V
7/15/2024 09:02:48	0.0 V	-185.0 V	-90 V
7/12/2024 08:34:22	0.0 V	-175.0 V	-90 V
7/11/2024 09:57:22	0.0 V	-180.0 V	-80 V
7/10/2024 08:53:17	0.0 V	-150.0 V	-70 V
7/9/2024 11:54:06	0.0 V	-155.0 V	-70 V
7/9/2024 11:32:31	0.0 V	-155.0 V	-70 V
7/9/2024 11:26:38	0.0 V	-155.0 V	-70 V
7/9/2024 10:39:16	0.0 V	-155.0 V	-70 V
7/9/2024 09:17:46	0.0 V	-155.0 V	-70 V
7/9/2024 08:57:06	0.0 V	-140.0 V	-70 V
7/8/2024 09:21:55	0.0 V	-165.0 V	-80 V
7/8/2024 09:16:31	0.0 V	-160.0 V	-80 V
7/5/2024 09:03:10	0.0 V	-200.0 V	-90 V
7/3/2024 13:05:52	0.0 V	-195.0 V	-100 V
7/3/2024 11:25:40	0.0 V	-195.0 V	-90 V
7/3/2024 09:13:37	0.0 V	-195.0 V	-90 V
7/3/2024 08:44:49	0.0 V	-170.0 V	-90 V
7/2/2024 10:26:17	0.0 V	-170.0 V	-90 V
7/2/2024 08:58:12	0.0 V	-170.0 V	-90 V
7/1/2024 14:16:19	0.0 V	-190.0 V	-90 V
7/1/2024 10:01:10	0.0 V	-195.0 V	-90 V
6/28/2024 08:25:22	0.0 V	-195.0 V	-90 V
6/27/2024 08:34:14	0.0 V	-195.0 V	-90 V
6/27/2024 08:11:22	0.0 V	-175.0 V	-90 V
6/26/2024 07:54:24	0.0 V	-175.0 V	-90 V
6/25/2024 09:02:17	0.0 V	-190.0 V	-90 V
6/24/2024 09:30:27	0.0 V	-190.0 V	-90 V
6/21/2024 08:55:34	0.0 V	-200.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
6/21/2024 08:22:44	0.0 V	-170.0 V	-90 V
6/20/2024 09:00:43	0.0 V	-170.0 V	-90 V
6/19/2024 07:51:31	0.0 V	-175.0 V	-90 V
6/18/2024 07:52:20	0.0 V	-175.0 V	-90 V
6/17/2024 08:58:45	0.0 V	-175.0 V	-90 V
6/14/2024 08:44:27	0.0 V	-195.0 V	-90 V
6/13/2024 08:42:30	0.0 V	-200.0 V	-100 V
6/12/2024 09:03:47	0.0 V	-200.0 V	-100 V
6/11/2024 08:44:40	0.0 V	-185.0 V	-100 V
6/10/2024 09:31:51	0.0 V	-170.0 V	-90 V
6/10/2024 09:17:04	0.0 V	-165.0 V	-90 V
6/10/2024 09:10:07	0.0 V	-165.0 V	-90 V
6/7/2024 09:02:38	0.0 V	-165.0 V	-90 V
6/6/2024 15:20:20	0.0 V	-165.0 V	-90 V
6/6/2024 05:03:01	0.0 V	-190.0 V	-90 V
6/6/2024 04:59:28	0.0 V	-190.0 V	-90 V
6/5/2024 08:30:26	0.0 V	-190.0 V	-90 V
6/4/2024 08:52:51	0.0 V	-200.0 V	-90 V
6/4/2024 08:39:35	0.0 V	-200.0 V	-100 V
6/4/2024 08:33:37	0.0 V	-200.0 V	-100 V
6/3/2024 10:10:17	0.0 V	-200.0 V	-100 V
6/3/2024 09:51:43	0.0 V	-175.0 V	-100 V
6/3/2024 09:44:54	0.0 V	-175.0 V	-100 V
6/3/2024 09:30:49	0.0 V	-175.0 V	-100 V
5/31/2024 08:42:32	0.0 V	-200.0 V	-100 V
5/30/2024 09:08:46	0.0 V	-200.0 V	-100 V
5/29/2024 09:04:40	0.0 V	-200.0 V	-100 V
5/29/2024 08:48:40	0.0 V	-170.0 V	-80 V
5/29/2024 08:44:08	0.0 V	-170.0 V	-80 V
5/28/2024 09:34:37	0.0 V	-170.0 V	-80 V
5/24/2024 07:20:01	0.0 V	-200.0 V	-90 V
5/23/2024 10:25:13	0.0 V	-200.0 V	-90 V
5/22/2024 09:45:06	0.0 V	-200.0 V	-90 V
5/21/2024 09:06:58	0.0 V	-200.0 V	-90 V
5/21/2024 08:01:17	0.0 V	-200.0 V	-100 V
5/20/2024 17:22:27	0.0 V	-200.0 V	-100 V
5/20/2024 17:18:56	0.0 V	-200.0 V	-100 V
5/20/2024 09:20:56	0.0 V	-200.0 V	-100 V
5/17/2024 09:12:39	0.0 V	-200.0 V	-100 V
5/16/2024 08:56:23	0.0 V	-200.0 V	-100 V
5/15/2024 09:38:13	0.0 V	-200.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
5/15/2024 09:21:01	0.0 V	-190.0 V	-90 V
5/14/2024 09:41:16	0.0 V	-190.0 V	-90 V
5/14/2024 09:04:40	0.0 V	-190.0 V	-90 V
5/13/2024 09:04:44	0.0 V	-190.0 V	-90 V
5/10/2024 08:57:17	0.0 V	-190.0 V	-90 V
5/9/2024 09:06:46	0.0 V	-190.0 V	-90 V
5/9/2024 08:50:21	0.0 V	-190.0 V	-90 V
5/9/2024 08:44:20	0.0 V	-190.0 V	-90 V
5/8/2024 09:39:10	0.0 V	-190.0 V	-90 V
5/7/2024 17:05:39	0.0 V	-195.0 V	-100 V
5/7/2024 16:48:43	0.0 V	-195.0 V	-100 V
5/7/2024 09:19:24	0.0 V	-195.0 V	-100 V
5/6/2024 09:15:59	0.0 V	-195.0 V	-100 V
5/6/2024 09:03:10	0.0 V	-195.0 V	-100 V
5/3/2024 09:11:06	0.0 V	-195.0 V	-100 V
5/2/2024 09:48:24	0.0 V	-190.0 V	-100 V
5/1/2024 09:22:54	0.0 V	-185.0 V	-100 V
4/30/2024 10:43:56	0.0 V	-185.0 V	-100 V
4/30/2024 08:17:01	0.0 V	-185.0 V	-100 V
4/29/2024 09:10:57	0.0 V	-185.0 V	-100 V
4/29/2024 08:57:45	0.0 V	-185.0 V	-100 V
4/26/2024 08:09:31	0.0 V	-185.0 V	-100 V
4/25/2024 09:37:51	0.0 V	-185.0 V	-100 V
4/24/2024 09:17:24	0.0 V	-195.0 V	-100 V
4/23/2024 22:46:11	0.0 V	-195.0 V	-100 V
4/23/2024 09:01:59	0.0 V	-195.0 V	-100 V
4/22/2024 10:16:34	0.0 V	-195.0 V	-100 V
4/19/2024 10:59:00	0.0 V	-200.0 V	-100 V
4/19/2024 10:07:48	0.0 V	-200.0 V	-110 V
4/19/2024 09:10:32	0.0 V	-180.0 V	-100 V
4/18/2024 09:24:23	0.0 V	-180.0 V	-100 V
4/17/2024 17:03:53	0.0 V	-180.0 V	-100 V
4/17/2024 16:22:27	0.0 V	-180.0 V	-100 V
4/17/2024 09:09:54	0.0 V	-180.0 V	-100 V
4/16/2024 09:06:44	0.0 V	-200.0 V	-100 V
4/15/2024 09:14:49	0.0 V	-200.0 V	-100 V
4/12/2024 08:28:21	0.0 V	-200.0 V	-100 V
4/11/2024 08:35:01	0.0 V	-200.0 V	-100 V
4/10/2024 09:48:58	0.0 V	-195.0 V	-100 V
4/9/2024 08:56:49	0.0 V	-195.0 V	-100 V
4/8/2024 09:25:48	0.0 V	-195.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
4/5/2024 08:28:47	0.0 V	-195.0 V	-100 V
4/4/2024 11:00:01	0.0 V	-190.0 V	-90 V
4/4/2024 10:45:12	0.0 V	-200.0 V	-90 V
4/3/2024 08:29:42	0.0 V	-200.0 V	-90 V
4/2/2024 09:43:44	0.0 V	-195.0 V	-90 V
4/1/2024 09:27:15	0.0 V	-195.0 V	-90 V
3/29/2024 08:53:28	0.0 V	-195.0 V	-90 V
3/28/2024 09:08:20	0.0 V	-195.0 V	-90 V
3/27/2024 16:48:32	0.0 V	-195.0 V	-90 V
3/27/2024 10:07:18	0.0 V	-195.0 V	-90 V
3/27/2024 08:49:30	0.0 V	-195.0 V	-90 V
3/26/2024 10:28:06	0.0 V	-195.0 V	-90 V
3/25/2024 10:10:30	0.0 V	-200.0 V	-100 V
3/22/2024 09:00:45	0.0 V	-190.0 V	-100 V
3/21/2024 08:44:31	0.0 V	-190.0 V	-100 V
3/20/2024 09:03:42	0.0 V	-190.0 V	-100 V
3/19/2024 13:23:15	0.0 V	-190.0 V	-100 V
3/19/2024 09:31:32	0.0 V	-190.0 V	-100 V
3/18/2024 10:47:35	0.0 V	-190.0 V	-100 V
3/15/2024 09:19:25	0.0 V	-200.0 V	-90 V
3/14/2024 09:13:05	0.0 V	-200.0 V	-90 V
3/13/2024 09:22:30	0.0 V	-200.0 V	-90 V
3/12/2024 09:10:39	0.0 V	-200.0 V	-90 V
3/11/2024 11:07:32	0.0 V	-200.0 V	-90 V
3/11/2024 09:31:05	0.0 V	-195.0 V	-100 V
3/11/2024 09:27:33	0.0 V	-195.0 V	-100 V
3/8/2024 08:29:13	0.0 V	-200.0 V	-100 V
3/7/2024 17:46:09	0.0 V	-200.0 V	-100 V
3/7/2024 13:19:13	0.0 V	-200.0 V	-100 V
3/7/2024 09:28:32	0.0 V	-200.0 V	-100 V
3/7/2024 09:11:32	0.0 V	-200.0 V	-100 V
3/7/2024 09:01:08	0.0 V	-200.0 V	-100 V
3/6/2024 10:19:40	0.0 V	-200.0 V	-100 V
3/5/2024 10:15:16	0.0 V	-200.0 V	-100 V
3/5/2024 10:09:01	0.0 V	-200.0 V	-100 V
3/4/2024 11:41:00	0.0 V	-200.0 V	-100 V
3/4/2024 11:28:21	0.0 V	-200.0 V	-100 V
3/1/2024 08:43:28	0.0 V	-200.0 V	-120 V
2/29/2024 10:38:23	0.0 V	-200.0 V	-120 V
2/29/2024 10:00:25	0.0 V	-160.0 V	-110 V
2/29/2024 09:54:15	0.0 V	-160.0 V	-110 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
2/28/2024 09:32:01	0.0 V	-200.0 V	-100 V
2/27/2024 09:16:47	0.0 V	-200.0 V	-100 V
2/26/2024 10:30:35	0.0 V	-200.0 V	-100 V
2/26/2024 10:00:21	0.0 V	-200.0 V	-110 V
2/23/2024 09:07:38	0.0 V	-200.0 V	-110 V
2/22/2024 08:58:48	0.0 V	-200.0 V	-110 V
2/21/2024 09:51:13	0.0 V	-200.0 V	-110 V
2/20/2024 09:59:52	0.0 V	-200.0 V	-110 V
2/19/2024 11:30:32	0.0 V	-200.0 V	-110 V
2/19/2024 11:27:00	0.0 V	-200.0 V	-110 V
2/19/2024 10:16:07	0.0 V	-200.0 V	-120 V
2/16/2024 10:28:26	0.0 V	-200.0 V	-120 V
2/15/2024 09:20:58	0.0 V	-200.0 V	-120 V
2/14/2024 09:20:12	0.0 V	-200.0 V	-120 V
2/13/2024 10:44:41	0.0 V	-200.0 V	-120 V
2/13/2024 10:29:18	0.0 V	-200.0 V	-120 V
2/12/2024 11:24:46	0.0 V	-200.0 V	-120 V
2/12/2024 11:09:08	0.0 V	-175.0 V	-120 V
2/12/2024 10:33:45	0.0 V	-175.0 V	-120 V
2/12/2024 10:19:52	0.0 V	-175.0 V	-120 V
2/12/2024 10:03:02	0.0 V	-200.0 V	-100 V
2/9/2024 09:43:26	0.0 V	-200.0 V	-100 V
2/8/2024 09:41:08	0.0 V	-200.0 V	-100 V
2/7/2024 09:08:34	0.0 V	-200.0 V	-100 V
2/6/2024 10:08:14	0.0 V	-200.0 V	-100 V
2/5/2024 16:27:35	0.0 V	-200.0 V	-120 V
2/2/2024 09:52:22	0.0 V	-200.0 V	-90 V
2/1/2024 09:29:20	0.0 V	-200.0 V	-90 V
1/31/2024 11:01:25	0.0 V	-200.0 V	-90 V
1/31/2024 10:56:52	0.0 V	-200.0 V	-90 V
1/30/2024 09:04:33	0.0 V	-200.0 V	-90 V
1/29/2024 09:09:33	0.0 V	-200.0 V	-90 V
1/26/2024 10:08:59	0.0 V	-200.0 V	-90 V
1/25/2024 09:54:25	0.0 V	-200.0 V	-90 V
1/24/2024 08:52:40	0.0 V	-200.0 V	-90 V
1/23/2024 11:08:41	0.0 V	-200.0 V	-90 V
1/22/2024 09:17:23	0.0 V	-200.0 V	-90 V
1/22/2024 09:06:26	0.0 V	-200.0 V	-100 V
1/19/2024 09:01:45	0.0 V	-200.0 V	-100 V
1/18/2024 10:29:20	0.0 V	-200.0 V	-100 V
1/17/2024 08:52:45	0.0 V	-200.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
1/16/2024 14:09:54	0.0 V	-200.0 V	-100 V
1/16/2024 13:58:35	0.0 V	-200.0 V	-100 V
1/16/2024 13:45:11	0.0 V	-200.0 V	-100 V
1/15/2024 13:03:28	0.0 V	-200.0 V	-120 V
1/15/2024 10:46:25	0.0 V	-200.0 V	-120 V
1/15/2024 10:34:05	0.0 V	-200.0 V	-120 V
1/15/2024 10:25:28	0.0 V	-200.0 V	-120 V
1/15/2024 09:48:32	0.0 V	-200.0 V	-120 V
1/15/2024 09:32:45	0.0 V	-200.0 V	-120 V
1/11/2024 14:10:39	0.0 V	-200.0 V	-120 V
1/11/2024 14:00:32	0.0 V	-200.0 V	-120 V
1/11/2024 13:07:14	0.0 V	-200.0 V	-120 V
1/11/2024 12:18:32	0.0 V	-200.0 V	-120 V
1/11/2024 10:36:51	0.0 V	-200.0 V	-120 V
1/11/2024 10:28:26	0.0 V	-185.0 V	-110 V
1/11/2024 09:11:58	0.0 V	-155.0 V	-100 V
1/11/2024 09:02:27	0.0 V	-150.0 V	-80 V
1/11/2024 08:54:00	0.0 V	-150.0 V	-80 V
1/10/2024 09:10:40	0.0 V	-200.0 V	-90 V
1/9/2024 12:58:05	0.0 V	-200.0 V	-120 V
1/9/2024 12:49:35	0.0 V	-200.0 V	-120 V
1/9/2024 12:37:33	0.0 V	-165.0 V	-100 V
1/9/2024 12:22:55	0.0 V	-165.0 V	-100 V
1/9/2024 12:00:03	0.0 V	-165.0 V	-100 V
1/9/2024 11:54:42	0.0 V	-165.0 V	-100 V
1/9/2024 11:45:17	0.0 V	-165.0 V	-100 V
1/9/2024 11:40:53	0.0 V	-165.0 V	-100 V
1/9/2024 11:25:08	0.0 V	-165.0 V	-100 V
1/9/2024 11:20:04	0.0 V	-165.0 V	-100 V
1/8/2024 13:49:37	0.0 V	-200.0 V	-100 V
1/8/2024 12:34:48	0.0 V	-140.0 V	-80 V
1/8/2024 12:30:18	0.0 V	-140.0 V	-80 V
1/5/2024 09:35:49	0.0 V	-180.0 V	-80 V
1/4/2024 09:13:21	0.0 V	-170.0 V	-80 V
1/4/2024 09:00:57	0.0 V	-160.0 V	-80 V
1/3/2024 08:46:17	0.0 V	-200.0 V	-100 V
1/2/2024 11:16:48	0.0 V	-200.0 V	-90 V
1/2/2024 10:38:17	0.0 V	-200.0 V	-100 V
12/29/2023 10:12:49	0.0 V	-200.0 V	-100 V
12/28/2023 08:59:35	0.0 V	-200.0 V	-90 V
12/27/2023 12:20:02	0.0 V	-200.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
12/27/2023 11:34:32	0.0 V	-200.0 V	-90 V
12/27/2023 10:51:04	0.0 V	-200.0 V	-90 V
12/27/2023 10:41:08	0.0 V	-200.0 V	-90 V
12/27/2023 10:33:50	0.0 V	-200.0 V	-90 V
12/27/2023 10:28:28	0.0 V	-200.0 V	-90 V
12/22/2023 07:49:52	0.0 V	-195.0 V	-90 V
12/21/2023 08:44:43	0.0 V	-200.0 V	-90 V
12/20/2023 09:26:41	0.0 V	-200.0 V	-100 V
12/19/2023 09:55:37	0.0 V	-200.0 V	-100 V
12/18/2023 10:16:18	0.0 V	-200.0 V	-100 V
12/18/2023 10:06:38	0.0 V	-185.0 V	-90 V
12/18/2023 10:00:26	0.0 V	-185.0 V	-90 V
12/15/2023 09:45:55	0.0 V	-200.0 V	-90 V
12/14/2023 10:23:15	0.0 V	-200.0 V	-90 V
12/13/2023 10:17:40	0.0 V	-200.0 V	-90 V
12/12/2023 09:56:00	0.0 V	-200.0 V	-90 V
12/11/2023 10:31:48	0.0 V	-200.0 V	-90 V
12/8/2023 10:10:39	0.0 V	-200.0 V	-100 V
12/7/2023 09:51:50	0.0 V	-190.0 V	-80 V
12/6/2023 10:12:37	0.0 V	-200.0 V	-100 V
12/5/2023 10:02:14	0.0 V	-200.0 V	-80 V
12/4/2023 12:08:53	0.0 V	-180.0 V	-90 V
12/4/2023 11:24:17	0.0 V	-145.0 V	-70 V
12/4/2023 11:20:06	0.0 V	-145.0 V	-70 V
12/4/2023 11:16:06	0.0 V	-145.0 V	-70 V
12/4/2023 10:23:39	0.0 V	-145.0 V	-70 V
12/4/2023 10:16:55	0.0 V	-170.0 V	-90 V
12/4/2023 10:09:27	0.0 V	-145.0 V	-70 V
12/1/2023 09:45:19	0.0 V	-155.0 V	-80 V
11/30/2023 11:48:17	0.0 V	-155.0 V	-80 V
11/30/2023 11:13:01	0.0 V	-150.0 V	-80 V
11/30/2023 11:05:44	0.0 V	-160.0 V	-90 V
11/30/2023 10:33:46	0.0 V	-170.0 V	-90 V
11/29/2023 10:04:26	0.0 V	-195.0 V	-100 V
11/29/2023 09:51:22	0.0 V	-190.0 V	-80 V
11/28/2023 12:50:37	0.0 V	-200.0 V	-80 V
11/28/2023 12:18:55	0.0 V	-175.0 V	-80 V
11/28/2023 12:15:04	0.0 V	-175.0 V	-80 V
11/28/2023 11:49:24	0.0 V	-170.0 V	-80 V
11/28/2023 10:22:53	0.0 V	-165.0 V	-80 V
11/28/2023 10:19:03	0.0 V	-165.0 V	-80 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
11/28/2023 10:15:20	0.0 V	-165.0 V	-80 V
11/28/2023 09:59:37	0.0 V	-170.0 V	-70 V
11/27/2023 10:28:48	0.0 V	-165.0 V	-80 V
11/27/2023 10:07:16	0.0 V	-185.0 V	-100 V
11/27/2023 10:01:25	0.0 V	-185.0 V	-100 V
11/27/2023 09:52:06	0.0 V	-185.0 V	-100 V
11/22/2023 09:50:47	0.0 V	-155.0 V	-80 V
11/21/2023 09:52:05	0.0 V	-155.0 V	-80 V
11/20/2023 09:38:08	0.0 V	-150.0 V	-80 V
11/17/2023 10:07:38	0.0 V	-175.0 V	-90 V
11/16/2023 09:42:56	0.0 V	-180.0 V	-90 V
11/15/2023 13:01:45	0.0 V	-170.0 V	-90 V
11/15/2023 12:33:52	0.0 V	-175.0 V	-90 V
11/15/2023 12:27:35	0.0 V	-175.0 V	-90 V
11/15/2023 12:17:35	0.0 V	-175.0 V	-90 V
11/15/2023 12:09:42	0.0 V	-170.0 V	-90 V
11/15/2023 10:39:09	0.0 V	-175.0 V	-90 V
11/14/2023 10:25:03	0.0 V	-200.0 V	-90 V
11/13/2023 09:42:07	0.0 V	-200.0 V	-90 V
11/10/2023 09:15:37	0.0 V	-200.0 V	-90 V
11/9/2023 09:55:52	0.0 V	-200.0 V	-90 V
11/8/2023 09:55:56	0.0 V	-200.0 V	-100 V
11/7/2023 10:07:52	0.0 V	-200.0 V	-120 V
11/7/2023 10:01:12	0.0 V	-195.0 V	-90 V
11/7/2023 09:55:11	0.0 V	-195.0 V	-90 V
11/6/2023 10:21:52	0.0 V	-200.0 V	-100 V
11/3/2023 09:44:39	0.0 V	-200.0 V	-120 V
11/2/2023 09:56:11	0.0 V	-200.0 V	-90 V
11/1/2023 09:41:33	0.0 V	-195.0 V	-90 V

US EPA Tune Check Report

Operator Name	ICPMS
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\240822ME.b
Acq. Date-Time	8/22/2024 12:08:50
Report Comment	---
Instrument Name	G8422A SG22151236

[No Gas]

Sensitivity

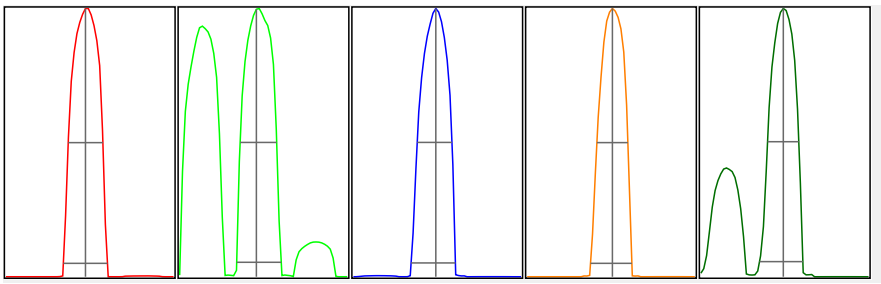
Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/(ug/l)]	Resp (Flag)	RSD%	RSD% (Required)
9	10.00	34197	341965.37			0.787	5.000
24	10.00	172843	1728429.24			2.339	5.000
59	10.00	277800	2778004.68			1.686	5.000
115	10.00	392006	3920057.73			0.927	5.000
208	10.00	187597	1875968.92			1.855	5.000

Mass	RSD% (Flag)
9	
24	
59	
115	
208	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	34133	33786	34204	34495	34365
24	176484	175234	166067	172887	173544
59	275973	279522	284987	272718	275803
115	389843	398230	392222	389507	390227
208	188978	183268	186980	192625	186133

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	59352.36	8.95	8.90 - 9.10	
24	282742.92	23.90	23.90 - 24.10	
59	484397.34	59.00	58.90 - 59.10	
115	746949.81	115.05	114.90 - 115.10	
208	351560.91	208.00	207.90 - 208.10	

US EPA Tune Check Report

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.61	0.777	0.900	
24	0.64	0.784	0.900	
59	0.61	0.780	0.900	
115	0.54	0.728	0.900	
208	0.55	0.763	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	153.699999999999
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.70 L/min	Makeup Gas	0.50 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	4.6 V	Deflect	11.4 V
Extract 2	-75.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-40 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9993	QP Bias	-3.0 V
Mass Offset	125	Axis Offset	0.03		

Hardware Settings

Torch

Torch H	0.3 mm	Torch V	-0.1 mm

EM

Discriminator	3.1 mV	Analog HV	2156 V	Pulse HV	1535 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/(ug/l)]	Resp (Flag)	RSD%	RSD% (Required)
24	10.00	3840	38400.91			1.171	5.000
59	10.00	84379	843785.89			1.605	5.000
115	10.00	111991	1119909.61			0.755	5.000
208	10.00	159307	1593071.10			0.720	5.000

Mass	RSD% (Flag)
24	
59	

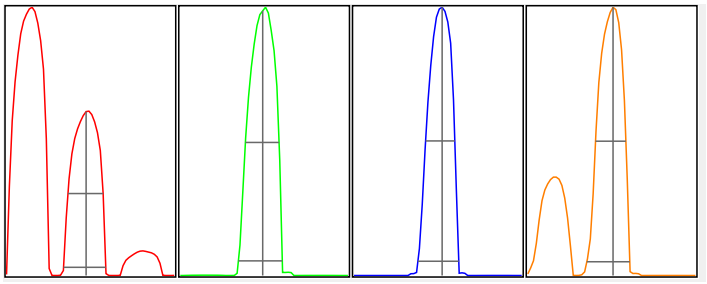
US EPA Tune Check Report

Mass	RSD% (Flag)
115	
208	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
24	3863	3838	3874	3763	3862
59	85034	81972	84754	85188	84944
115	112702	110764	111768	111849	112872
208	160914	158538	158749	158235	160100

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
24	6586.77	23.95	23.90 - 24.10	
59	148911.09	59.00	58.90 - 59.10	
115	223654.78	115.10	114.90 - 115.10	
208	307785.18	208.05	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
24	0.62	0.743	0.900	
59	0.59	0.773	0.900	
115	0.51	0.719	0.900	
208	0.53	0.756	0.900	

Integration Time [sec] 0.1
Acquisition Time [sec] 122.96
Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.70 L/min	Makeup Gas	0.35 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.2 V	Deflect	1.2 V
Extract 2	-195.0 V	Cell Entrance	-40 V	Plate Bias	-55 V
Omega Bias	-95 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	3.0 V

US EPA Tune Check Report

He Flow	4.3 mL/min	OctP Bias	-18.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9993	QP Bias	-15.0 V
Mass Offset	125	Axis Offset	0.03		

Hardware Settings

Torch

Torch H	0.3 mm	Torch V	-0.1 mm		

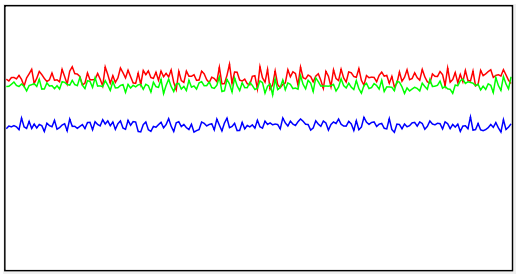
EM

Discriminator	3.1 mV	Analog HV	2156 V	Pulse HV	1535 V

Performance Report

Operator Name	ICPMS
Acq. Date-Time	8/22/2024 08:43:54
Instrument Name	G8422A SG22151236
Sample Introduction	PeriPump
Nebulizer Type	MicroMist
Ion Lens Model	x-Lens
Tune Parameters	Standard Tune

Sensitivity



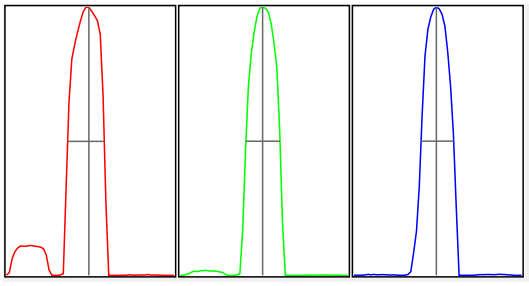
Mass	Range	Count	RSD%	Background
7	5000	3662	2.761	1.050
89	20000	14009	2.100	0.850
205	20000	10981	2.413	3.250

Sampling Period [sec]	0.311
Integration Time [sec]	0.1

Oxide/Doubly Charged Ratio

Oxide	156 / 140 1.114 %
Doubly Charged	70 / 140 1.264 %

Resolution/Axis



Mass	Peak Height	Axis	W-50%	W-10%
7	3679.60	7.00	0.64	0.77
89	14004.49	89.00	0.60	0.75
205	10974.66	205.00	0.57	0.77

Integration Time [sec]	0.1
Acquisition Time [sec]	22.74

Tune Parameters

Plasma Parameters

RF Power	1550 W	Option Gas	---	Makeup Gas	0.00 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Auxiliary Gas	0.90 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C	Plasma Gas	15.0 L/min
Nebulizer Gas	1.09 L/min				

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.0 V	Deflect	12.2 V
Extract 2	-160.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-70 V	Cell Exit	-50 V		

Performance Report

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

QP Bias	-3.0 V

Hardware Settings

Torch

Torch H	0.3 mm	Torch H (Hot)	---	Torch H (Cool)	---
Torch V	-0.1 mm	Torch V (Hot)	---	Torch V (Cool)	---

Plasma Correction

Nebulizer Gas Offset	0.04 L/min	Makeup Gas (Hot)	---	Makeup Gas (Cool)	---
		Sample Depth (Hot)	---		

Resolution/Axis

Mass Gain	123	Axis Gain	0.9993		
Mass Offset	125	Axis Offset	0.03		

EM

Discriminator	3.1 mV	Analog HV	2156 V	Pulse HV	1535 V

Performance Report

Meter

Name	Value	Unit
Nebulizer Gas	1.09	L/min
MU./Dil. Gas	0.00	L/min
Plasma Gas	15.01	L/min
Aux Gas	0.90	L/min
Ar Gas Tank Press	5.59E+2	kPa
+5V (Press Gage)	5.0	V
Ar AMFC Temp	29.4	°C
Nebulizer Gas(DP)	5.77E+0	kPa
MU./Dil. Gas(DP)	-1.54E-1	kPa
Aux Gas(DP)	1.07E+1	kPa
Plasma Gas(DP)	1.17E+1	kPa
Nebulizer Gas(BP)	3.09E+2	kPa
MU./Dil. Gas(BP)	3.09E-1	kPa
Aux Gas(BP)	5.93E+1	kPa
Plasma Gas(BP)	4.28E+1	kPa
S/C Temp (H)	21.1	°C
S/C Temp (L)	2.0	°C
Peltier Voltage	3.6	V
IF/BK Press	2.55E+2	Pa
Analyzer Press	5.50E-5	Pa
IG HV	178	V
IG Emission	4.98	µA
TMP Revolution	100.0	%
TMP Rev (Raw)	100.6	%
TMP Current	2.84	A
PWR AMP Drain I	0.4	A
PWR AMP Bias	4.02	V
OctP RF (Avg)	202.8	V
OctP RF Set	3.9	V
OctP FET Bias Set	3.95	V
OctP RF(+)	178.1	V
OctP RF(-)	226.4	V
OctP Bias	-7.9	V
Cell Temp.	65.0	°C
Cell Heater Volt.	4.2	V
+U Voltage	172.7	V

Name	Value	Unit
-U Voltage	-179.9	V
V Voltage	773.4	V
QPRF Fader	0.5	V
Pickup Temp	55.0	°C
PWR Amp Temp	0.1	V
+600V	620.2	V
-120V	-132.9	V
-720V	-741.5	V
Prefilter Bias	-4.94	V
Pickup Heater I	0.09	A
QP PS +48V	47.5	V
QP PS +48V I	0.00	A
Analog HV	-2163	V
Pulse HV	1547	V
EM Gate	-47.2	V
Pulse Gate	339.6	V
EM Entrance	0.1	V
EM HV Gain	-779.3	V
Inner Pole	-300.0	V
Outer Pole	19.9	V
Analog -5V	-5.1	V
Analog +15V	14.5	V
Analog -15V	-14.4	V
Analog +5V	5.2	V
Shunt C Pos	1.5	V
Drain Volt.(max)	59.7	V
RF PS +48V	47.4	V
Forward Power	1550	W
Reflected Power	3	W
Plasma Freq.	27.06	MHz
Drain I 1	11.61	A
Drain I 2	10.51	A
Drain I 3	10.89	A
Drain I 4	11.47	A
Temp Sensor	2.8	V
Driver I	6.14	A

Name	Value	Unit
Igniter	0.0	V
Driver Voltage Set	6.9	V
Unbalance Current	0.34	A
PWM Threshold Set	0.2	V
Driver Voltage	5.6	V
PWM Threshold	0.2	V
Phase Detector	0.0	mV
H2 Gas	0.00	mL/min
He Gas	0.12	mL/min
H2 Gas Press	1.70E+2	kPa
He Gas Press	0.00E+0	kPa
ORS AMFC Temp	29.4	°C
Atmospheric Press	1.01E+2	kPa
Extract 1	0.0	V
Extract 2	-160.0	V
Omega Bias	-70.0	V
Omega Lens	8.1	V
Cell Entrance	-30.0	V
Cell Exit	-50.0	V
Deflect	12.3	V
Plate Bias	-35.1	V
HV+530V	531	V
HV+240V	238	V
HV-360V	-360	V
Inlet Temp	25.8	°C
Internal Temp	34.7	°C
+24V	23.7	V
Water Temp	22.6	°C
Water RF/WC/IF	1.47	L/min
ISIS 3 Pump Speed	0.0	%
Valve Position		
Tune/ISTD Valve		

Performance Report History

Sensitivity

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/22/2024 08:43:54	3662	14009	10981
8/21/2024 08:04:13	3190	14776	11594
8/20/2024 09:20:37	4220	16080	10288
8/19/2024 10:25:21	3050	10181	8067
8/19/2024 09:17:03	3195	9903	8321
8/16/2024 08:56:38	3253	15296	12175
8/15/2024 08:28:01	3146	14138	12111
8/14/2024 08:24:41	3158	13973	11673
8/13/2024 08:51:41	3023	15070	13056
8/12/2024 09:10:43	3411	12432	11805
8/12/2024 08:57:52	1786	5237	5122
8/9/2024 11:39:50	3767	15758	13022
8/9/2024 10:08:20	12	1	3
8/8/2024 08:40:39	3024	12546	9719
8/7/2024 09:19:16	2917	12165	9488
8/6/2024 11:12:44	2859	11998	10016
8/6/2024 10:53:38	2232	10655	9558
8/5/2024 10:40:17	2691	10635	9226
8/5/2024 10:09:19	2125	6835	5664
8/5/2024 09:55:23	2365	7939	6556
8/2/2024 09:40:16	3340	11024	9295
8/2/2024 08:37:48	3505	10692	8586
8/1/2024 10:38:00	3758	12250	9330
8/1/2024 09:06:45	3389	10556	9761
7/31/2024 08:13:58	3039	11937	9529
7/30/2024 08:50:51	2533	10165	9332
7/29/2024 16:06:05	3222	12529	9934
7/29/2024 12:07:28	3037	11992	10136
7/29/2024 11:14:31	3174	12095	10013
7/29/2024 10:15:21	2846	11965	10483
7/26/2024 08:53:52	3203	12639	10549
7/25/2024 09:09:23	2585	8526	8080
7/24/2024 15:10:09	3079	9987	9009
7/24/2024 08:46:25	3148	11490	9796
7/23/2024 09:32:54	3357	11492	9580
7/22/2024 10:18:30	3442	12004	11023
7/19/2024 08:55:06	3486	11885	10185
7/18/2024 09:06:31	3257	9447	8888
7/17/2024 13:03:52	2495	9473	8373
7/17/2024 08:53:29	2867	10755	8619
7/16/2024 08:54:03	2886	10903	8985

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
7/15/2024 10:39:29	2656	10995	8921
7/15/2024 10:30:38	103	5	6
7/15/2024 10:13:57	1404	5260	4224
7/15/2024 09:02:48	3268	12919	10156
7/12/2024 08:34:22	2706	11570	8940
7/11/2024 09:57:22	2727	11970	8459
7/10/2024 08:53:17	2246	9073	7312
7/9/2024 11:54:06	3038	12303	9808
7/9/2024 11:32:31	2139	7705	5834
7/9/2024 11:26:38	2090	7758	5904
7/9/2024 10:39:16	3437	12816	9591
7/9/2024 09:17:46	2577	11478	8879
7/9/2024 08:57:06	3286	13034	8974
7/8/2024 09:21:55	3166	12745	9642
7/8/2024 09:16:31	3066	12665	9668
7/5/2024 09:03:10	3288	13628	11266
7/3/2024 13:05:52	3539	13046	10137
7/3/2024 11:25:40	3213	12344	9957
7/3/2024 09:13:37	3169	12570	10423
7/3/2024 08:44:49	2051	12221	9873
7/2/2024 10:26:17	2328	11750	10360
7/2/2024 08:58:12	3072	10344	9707
7/1/2024 14:16:19	3282	10802	9231
7/1/2024 10:01:10	3288	12796	10476
6/28/2024 08:25:22	3484	12596	10301
6/27/2024 08:34:14	3474	12721	10120
6/27/2024 08:11:22	1666	11338	9258
6/26/2024 07:54:24	2501	8288	8428
6/25/2024 09:02:17	2627	12790	10975
6/24/2024 09:30:27	2976	12050	10056
6/21/2024 08:55:34	3096	13175	9957
6/21/2024 08:22:44	1280	11401	9041
6/20/2024 09:00:43	2564	9588	8694
6/19/2024 07:51:31	2980	11922	9704
6/18/2024 07:52:20	3296	11922	9824
6/17/2024 08:58:45	3009	9463	9003
6/14/2024 08:44:27	2879	12214	10357
6/13/2024 08:42:30	3176	12682	10526
6/12/2024 09:03:47	2996	12633	11312
6/11/2024 08:44:40	3492	13252	10118
6/10/2024 09:31:51	4111	13060	10421

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
6/10/2024 09:17:04	3508	11070	8441
6/10/2024 09:10:07	3930	12555	9564
6/7/2024 09:02:38	3417	11597	7618
6/6/2024 15:20:20	2950	9649	8247
6/6/2024 05:03:01	3480	13184	11025
6/6/2024 04:59:28	3438	13257	11014
6/5/2024 08:30:26	3575	12412	10789
6/4/2024 08:52:51	3401	12310	11419
6/4/2024 08:39:35	2814	11768	10904
6/4/2024 08:33:37	3060	12687	11246
6/3/2024 10:10:17	3272	10175	10494
6/3/2024 09:51:43	1907	6599	4712
6/3/2024 09:44:54	2209	7627	5199
6/3/2024 09:30:49	3299	9738	9247
5/31/2024 08:42:32	3301	13328	10713
5/30/2024 09:08:46	3406	13401	10419
5/29/2024 09:04:40	3587	13162	10590
5/29/2024 08:48:40	1739	11664	8844
5/29/2024 08:44:08	1858	12854	9297
5/28/2024 09:34:37	3138	12513	10682
5/24/2024 07:20:01	3325	12857	11044
5/23/2024 10:25:13	3407	12821	11140
5/22/2024 09:45:06	3583	12763	11601
5/21/2024 09:06:58	3752	13803	11837
5/21/2024 08:01:17	3966	14413	11053
5/20/2024 17:22:27	3645	10846	9662
5/20/2024 17:18:56	3613	10801	9645
5/20/2024 09:20:56	3333	12566	10681
5/17/2024 09:12:39	3467	13701	10660
5/16/2024 08:56:23	3599	13565	10699
5/15/2024 09:38:13	3581	13159	10227
5/15/2024 09:21:01	1917	11948	9850
5/14/2024 09:41:16	3346	12368	10966
5/14/2024 09:04:40	3206	11414	12297
5/13/2024 09:04:44	2639	15138	12300
5/10/2024 08:57:17	2178	13865	10279
5/9/2024 09:06:46	2313	13292	10727
5/9/2024 08:50:21	1763	12142	9522
5/9/2024 08:44:20	1789	12171	9682
5/8/2024 09:39:10	3313	11092	11044
5/7/2024 17:05:39	3463	13115	10886

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
5/7/2024 16:48:43	3264	12073	10628
5/7/2024 09:19:24	3347	12706	11167
5/6/2024 09:15:59	3892	14499	12724
5/6/2024 09:03:10	3843	14665	13481
5/3/2024 09:11:06	3540	13100	11548
5/2/2024 09:48:24	3670	12233	11836
5/1/2024 09:22:54	4036	13686	11251
4/30/2024 10:43:56	4361	13605	11359
4/30/2024 08:17:01	4350	13793	11664
4/29/2024 09:10:57	4751	14089	11140
4/29/2024 08:57:45	3329	9292	6892
4/26/2024 08:09:31	5054	14978	10788
4/25/2024 09:37:51	4308	13902	11794
4/24/2024 09:17:24	4876	17662	12102
4/23/2024 22:46:11	4199	16180	12059
4/23/2024 09:01:59	3715	15592	11876
4/22/2024 10:16:34	4292	15978	13578
4/19/2024 10:59:00	3974	16385	11540
4/19/2024 10:07:48	2645	8439	3189
4/19/2024 09:10:32	360162	657303	2022720
4/18/2024 09:24:23	3369	17060	12485
4/17/2024 17:03:53	2828	16000	10229
4/17/2024 16:22:27	2262	14213	9009
4/17/2024 09:09:54	3608	12353	11595
4/16/2024 09:06:44	4046	14969	11814
4/15/2024 09:14:49	4139	16052	12083
4/12/2024 08:28:21	4666	17208	13280
4/11/2024 08:35:01	4138	17113	13613
4/10/2024 09:48:58	4018	16844	14484
4/9/2024 08:56:49	3881	15432	13181
4/8/2024 09:25:48	4035	16790	14224
4/5/2024 08:28:47	3893	17251	13416
4/4/2024 11:00:01	2778	10338	7494
4/4/2024 10:45:12	4028	16465	14158
4/3/2024 08:29:42	3630	16640	12452
4/2/2024 09:43:44	3046	17903	13815
4/1/2024 09:27:15	3194	17804	13701
3/29/2024 08:53:28	2520	17006	12384
3/28/2024 09:08:20	2920	17324	12995
3/27/2024 16:48:32	3382	17176	12605
3/27/2024 10:07:18	3661	16126	12723

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
3/27/2024 08:49:30	3929	17060	12992
3/26/2024 10:28:06	4590	16054	14855
3/25/2024 10:10:30	4003	18464	13973
3/22/2024 09:00:45	2984	17875	12893
3/21/2024 08:44:31	3167	17829	13067
3/20/2024 09:03:42	3080	17089	12389
3/19/2024 13:23:15	3786	17505	12877
3/19/2024 09:31:32	3279	17943	12421
3/18/2024 10:47:35	4608	16508	13822
3/15/2024 09:19:25	2446	16491	10868
3/14/2024 09:13:05	2441	16585	10800
3/13/2024 09:22:30	2903	16825	11325
3/12/2024 09:10:39	2653	17105	11709
3/11/2024 11:07:32	4200	16181	13057
3/11/2024 09:31:05	4293	17257	11986
3/11/2024 09:27:33	4322	17396	12106
3/8/2024 08:29:13	4145	16244	11704
3/7/2024 17:46:09	4185	15148	11811
3/7/2024 13:19:13	4029	15848	11265
3/7/2024 09:28:32	3605	13491	9204
3/7/2024 09:11:32	2580	13526	10298
3/7/2024 09:01:08	2698	13846	10718
3/6/2024 10:19:40	3208	14488	10724
3/5/2024 10:15:16	273	1743	2387
3/5/2024 10:09:01	146	892	1334
3/4/2024 11:41:00	4063	15365	11233
3/4/2024 11:28:21	1954	9059	5433
3/1/2024 08:43:28	2996	15512	8966
2/29/2024 10:38:23	4306	15354	11334
2/29/2024 10:00:25	554	3889	4359
2/29/2024 09:54:15	506	3359	3784
2/28/2024 09:32:01	3061	18229	13084
2/27/2024 09:16:47	2827	17549	11855
2/26/2024 10:30:35	3971	16379	11179
2/26/2024 10:00:21	1827	10055	6679
2/23/2024 09:07:38	3382	16511	11230
2/22/2024 08:58:48	3065	15604	10264
2/21/2024 09:51:13	3455	16190	11543
2/20/2024 09:59:52	3253	15976	11176
2/19/2024 11:30:32	4894	17240	13782
2/19/2024 11:27:00	4856	17120	13743

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
2/19/2024 10:16:07	4289	15395	10107
2/16/2024 10:28:26	3613	15969	9007
2/15/2024 09:20:58	4185	16564	9371
2/14/2024 09:20:12	4712	16825	9695
2/13/2024 10:44:41	4401	16379	9098
2/13/2024 10:29:18	758	13401	11559
2/12/2024 11:24:46	2301	15124	11918
2/12/2024 11:09:08	53	2239	4028
2/12/2024 10:33:45	42	1954	3702
2/12/2024 10:19:52	438	2663	2740
2/12/2024 10:03:02	137	541	1027
2/9/2024 09:43:26	2475	17092	10562
2/8/2024 09:41:08	2739	17007	11011
2/7/2024 09:08:34	2949	17251	11332
2/6/2024 10:08:14	3266	17222	10352
2/5/2024 16:27:35	2590	11801	7811
2/2/2024 09:52:22	4247	15989	11850
2/1/2024 09:29:20	4221	15873	11923
1/31/2024 11:01:25	4619	16449	12370
1/31/2024 10:56:52	2140	7715	5751
1/30/2024 09:04:33	4439	15663	11799
1/29/2024 09:09:33	3916	13763	12278
1/26/2024 10:08:59	3557	15191	9410
1/25/2024 09:54:25	3735	15427	9753
1/24/2024 08:52:40	3752	15257	10201
1/23/2024 11:08:41	3473	15039	10359
1/22/2024 09:17:23	4075	16149	10348
1/22/2024 09:06:26	2984	12293	7869
1/19/2024 09:01:45	3434	14536	9100
1/18/2024 10:29:20	3342	14635	9148
1/17/2024 08:52:45	3752	15881	10390
1/16/2024 14:09:54	4332	14365	9878
1/16/2024 13:58:35	1849	8752	5553
1/16/2024 13:45:11	1759	8747	5733
1/15/2024 13:03:28	344	1843	2376
1/15/2024 10:46:25	310	1953	2595
1/15/2024 10:34:05	355	1945	2594
1/15/2024 10:25:28	354	1906	2502
1/15/2024 09:48:32	378	1867	2261
1/15/2024 09:32:45	371	1842	2272
1/11/2024 14:10:39	440	1388	1671

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/11/2024 14:00:32	442	1331	1629
1/11/2024 13:07:14	441	1073	1309
1/11/2024 12:18:32	442	1296	1595
1/11/2024 10:36:51	468	1469	1987
1/11/2024 10:28:26	430	1428	1696
1/11/2024 09:11:58	387	1869	2263
1/11/2024 09:02:27	313	1592	1975
1/11/2024 08:54:00	310	1559	1944
1/10/2024 09:10:40	3490	14986	10982
1/9/2024 12:58:05	4349	14607	8180
1/9/2024 12:49:35	715	10779	7642
1/9/2024 12:37:33	8	1202	6143
1/9/2024 12:22:55	8	1215	6181
1/9/2024 12:00:03	8	1341	6546
1/9/2024 11:54:42	9	1280	6372
1/9/2024 11:45:17	9	1382	6594
1/9/2024 11:40:53	10	1397	6617
1/9/2024 11:25:08	362	1545	1665
1/9/2024 11:20:04	363	1540	1650
1/8/2024 13:49:37	3408	10281	9523
1/8/2024 12:34:48	1155	5021	6450
1/8/2024 12:30:18	1191	5187	6341
1/5/2024 09:35:49	3668	12692	8070
1/4/2024 09:13:21	3867	12894	6927
1/4/2024 09:00:57	603	1935	1257
1/3/2024 08:46:17	3809	12778	9107
1/2/2024 11:16:48	3519	12397	9390
1/2/2024 10:38:17	3814	12293	8842
12/29/2023 10:12:49	4013	12649	8816
12/28/2023 08:59:35	3766	13387	9586
12/27/2023 12:20:02	3809	12937	8800
12/27/2023 11:34:32	40	9	2
12/27/2023 10:51:04	55	31	2
12/27/2023 10:41:08	72	37	8
12/27/2023 10:33:50	3879	13288	8945
12/27/2023 10:28:28	3772	13183	8580
12/22/2023 07:49:52	3943	11892	9924
12/21/2023 08:44:43	3526	13027	9943
12/20/2023 09:26:41	4003	13172	10074
12/19/2023 09:55:37	4333	13694	10285
12/18/2023 10:16:18	4138	13763	10818

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/18/2023 10:06:38	3415	13014	10962
12/18/2023 10:00:26	3894	14384	11204
12/15/2023 09:45:55	3734	14030	9513
12/14/2023 10:23:15	3524	14113	9600
12/13/2023 10:17:40	3829	13996	9570
12/12/2023 09:56:00	3555	14240	9677
12/11/2023 10:31:48	3701	14394	9382
12/8/2023 10:10:39	3664	14293	8929
12/7/2023 09:51:50	3426	13353	8809
12/6/2023 10:12:37	3698	14579	8824
12/5/2023 10:02:14	3349	13427	9922
12/4/2023 12:08:53	3427	12418	10340
12/4/2023 11:24:17	1768	7808	8292
12/4/2023 11:20:06	1802	8001	8316
12/4/2023 11:16:06	1832	8106	8250
12/4/2023 10:23:39	1770	7816	7735
12/4/2023 10:16:55	1601	7275	7827
12/4/2023 10:09:27	1944	8113	7456
12/1/2023 09:45:19	2113	9054	8466
11/30/2023 11:48:17	2317	9995	8851
11/30/2023 11:13:01	1727	8309	9089
11/30/2023 11:05:44	1721	8023	8748
11/30/2023 10:33:46	1172	5927	8124
11/29/2023 10:04:26	2359	11870	8365
11/29/2023 09:51:22	1483	5693	3444
11/28/2023 12:50:37	3146	12531	8324
11/28/2023 12:18:55	2789	8914	4789
11/28/2023 12:15:04	3346	10726	5995
11/28/2023 11:49:24	2609	8496	4878
11/28/2023 10:22:53	1529	5718	4738
11/28/2023 10:19:03	1663	6180	5204
11/28/2023 10:15:20	1784	6623	5657
11/28/2023 09:59:37	1436	6174	5639
11/27/2023 10:28:48	2148	9665	8835
11/27/2023 10:07:16	1451	7618	8440
11/27/2023 10:01:25	1454	7648	8543
11/27/2023 09:52:06	1636	8794	9323
11/22/2023 09:50:47	2317	9749	8520
11/21/2023 09:52:05	2348	10189	9398
11/20/2023 09:38:08	2536	10392	9162
11/17/2023 10:07:38	2699	10664	9285

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/16/2023 09:42:56	2615	11519	10404
11/15/2023 13:01:45	2120	9780	10146
11/15/2023 12:33:52	1814	8334	9391
11/15/2023 12:27:35	1837	8353	9462
11/15/2023 12:17:35	1829	8310	9392
11/15/2023 12:09:42	1631	7760	9062
11/15/2023 10:39:09	1634	7521	8758
11/14/2023 10:25:03	4165	15167	8009
11/13/2023 09:42:07	3445	15971	9795
11/10/2023 09:15:37	3300	14607	7635
11/9/2023 09:55:52	2651	15369	8099
11/8/2023 09:55:56	2862	15545	7990
11/7/2023 10:07:52	2359	13776	7205
11/7/2023 10:01:12	1759	11245	6289
11/7/2023 09:55:11	1931	12236	6442
11/6/2023 10:21:52	3645	16323	7638
11/3/2023 09:44:39	2391	13805	7745
11/2/2023 09:56:11	2999	15000	8628
11/1/2023 09:41:33	3299	14766	7935

Background

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/22/2024 08:43:54	1.050	0.850	3.250
8/21/2024 08:04:13	1.200	1.050	4.450
8/20/2024 09:20:37	1.250	1.250	5.250
8/19/2024 10:25:21	1.000	0.500	4.550
8/19/2024 09:17:03	0.900	0.650	3.700
8/16/2024 08:56:38	1.050	1.050	3.450
8/15/2024 08:28:01	1.000	0.600	3.250
8/14/2024 08:24:41	1.150	0.450	4.000
8/13/2024 08:51:41	1.200	0.450	2.850
8/12/2024 09:10:43	0.500	0.500	2.350
8/12/2024 08:57:52	0.950	0.600	2.950
8/9/2024 11:39:50	1.350	0.700	4.500
8/9/2024 10:08:20	0.850	0.600	3.100
8/8/2024 08:40:39	1.200	0.500	5.750

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/7/2024 09:19:16	1.350	0.900	4.300
8/6/2024 11:12:44	1.450	0.800	3.500
8/6/2024 10:53:38	1.600	0.500	3.350
8/5/2024 10:40:17	0.600	0.750	3.150
8/5/2024 10:09:19	1.300	0.750	4.700
8/5/2024 09:55:23	0.800	0.700	5.750
8/2/2024 09:40:16	1.050	0.650	4.450
8/2/2024 08:37:48	1.300	0.700	4.600
8/1/2024 10:38:00	1.050	0.550	5.450
8/1/2024 09:06:45	0.900	0.850	3.750
7/31/2024 08:13:58	1.200	0.650	3.800
7/30/2024 08:50:51	1.100	0.650	2.400
7/29/2024 16:06:05	1.250	0.950	4.850
7/29/2024 12:07:28	1.500	0.750	4.100
7/29/2024 11:14:31	1.200	1.000	3.500
7/29/2024 10:15:21	1.250	0.800	3.900
7/26/2024 08:53:52	0.750	1.200	3.950
7/25/2024 09:09:23	0.750	0.300	2.900
7/24/2024 15:10:09	0.750	0.700	3.650
7/24/2024 08:46:25	1.100	0.650	4.200
7/23/2024 09:32:54	1.250	0.750	3.550
7/22/2024 10:18:30	1.050	0.600	4.200
7/19/2024 08:55:06	1.300	0.650	4.050
7/18/2024 09:06:31	0.700	0.600	2.950
7/17/2024 13:03:52	1.150	0.800	3.850
7/17/2024 08:53:29	1.700	0.550	5.400
7/16/2024 08:54:03	0.900	0.850	4.100
7/15/2024 10:39:29	1.050	0.750	4.650
7/15/2024 10:30:38	1.250	0.750	4.300
7/15/2024 10:13:57	1.250	0.650	4.400
7/15/2024 09:02:48	1.550	0.450	4.300
7/12/2024 08:34:22	1.200	0.850	4.100
7/11/2024 09:57:22	1.550	1.200	5.900
7/10/2024 08:53:17	1.050	0.850	2.900
7/9/2024 11:54:06	1.200	0.750	3.700
7/9/2024 11:32:31	1.000	0.450	3.700
7/9/2024 11:26:38	1.550	0.550	4.350
7/9/2024 10:39:16	1.200	1.050	4.700
7/9/2024 09:17:46	1.550	0.800	4.650
7/9/2024 08:57:06	1.250	0.700	3.100
7/8/2024 09:21:55	1.700	0.950	5.050

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
7/8/2024 09:16:31	1.050	0.750	4.500
7/5/2024 09:03:10	1.200	0.500	3.600
7/3/2024 13:05:52	1.150	1.000	4.000
7/3/2024 11:25:40	1.500	0.850	4.500
7/3/2024 09:13:37	1.000	0.550	4.300
7/3/2024 08:44:49	0.950	0.650	3.500
7/2/2024 10:26:17	0.850	0.650	3.600
7/2/2024 08:58:12	0.900	0.850	3.350
7/1/2024 14:16:19	1.450	0.500	5.050
7/1/2024 10:01:10	1.450	0.850	3.900
6/28/2024 08:25:22	1.100	1.350	4.300
6/27/2024 08:34:14	1.350	0.900	6.000
6/27/2024 08:11:22	0.850	0.700	4.400
6/26/2024 07:54:24	0.650	0.400	2.750
6/25/2024 09:02:17	0.900	0.650	4.200
6/24/2024 09:30:27	1.250	1.100	4.150
6/21/2024 08:55:34	1.150	0.700	6.200
6/21/2024 08:22:44	1.050	0.900	3.250
6/20/2024 09:00:43	1.300	0.700	2.750
6/19/2024 07:51:31	1.500	1.400	4.900
6/18/2024 07:52:20	1.850	1.000	4.300
6/17/2024 08:58:45	1.000	0.450	2.900
6/14/2024 08:44:27	1.200	0.450	4.150
6/13/2024 08:42:30	1.100	0.850	4.800
6/12/2024 09:03:47	1.200	0.400	3.350
6/11/2024 08:44:40	1.650	0.700	3.950
6/10/2024 09:31:51	1.550	0.750	4.350
6/10/2024 09:17:04	1.250	0.450	3.800
6/10/2024 09:10:07	1.400	0.600	3.500
6/7/2024 09:02:38	1.400	0.350	3.300
6/6/2024 15:20:20	1.150	0.400	2.650
6/6/2024 05:03:01	1.500	1.100	4.650
6/6/2024 04:59:28	1.300	0.900	3.750
6/5/2024 08:30:26	1.800	1.350	4.050
6/4/2024 08:52:51	0.650	0.500	3.850
6/4/2024 08:39:35	0.850	0.500	3.450
6/4/2024 08:33:37	0.950	0.800	4.400
6/3/2024 10:10:17	1.000	0.500	3.100
6/3/2024 09:51:43	2.050	0.850	4.950
6/3/2024 09:44:54	1.500	0.500	5.150
6/3/2024 09:30:49	1.100	0.350	3.050

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
5/31/2024 08:42:32	1.350	0.900	5.150
5/30/2024 09:08:46	1.000	0.550	4.300
5/29/2024 09:04:40	1.150	0.750	4.750
5/29/2024 08:48:40	0.700	0.550	2.700
5/29/2024 08:44:08	1.150	0.400	3.600
5/28/2024 09:34:37	1.000	0.450	3.150
5/24/2024 07:20:01	1.250	1.100	4.200
5/23/2024 10:25:13	0.900	0.900	5.100
5/22/2024 09:45:06	1.050	0.750	5.250
5/21/2024 09:06:58	1.400	1.100	5.050
5/21/2024 08:01:17	1.150	0.950	4.950
5/20/2024 17:22:27	0.900	0.750	3.800
5/20/2024 17:18:56	1.050	1.050	3.750
5/20/2024 09:20:56	0.450	0.650	3.250
5/17/2024 09:12:39	1.050	0.700	4.800
5/16/2024 08:56:23	0.900	0.750	3.850
5/15/2024 09:38:13	0.750	0.600	4.050
5/15/2024 09:21:01	0.900	0.250	3.400
5/14/2024 09:41:16	0.900	0.350	3.050
5/14/2024 09:04:40	0.600	0.350	2.100
5/13/2024 09:04:44	0.950	0.900	3.450
5/10/2024 08:57:17	0.900	0.550	5.000
5/9/2024 09:06:46	1.100	0.900	5.050
5/9/2024 08:50:21	1.150	0.700	4.800
5/9/2024 08:44:20	1.000	1.000	5.300
5/8/2024 09:39:10	1.300	0.600	3.200
5/7/2024 17:05:39	1.150	0.700	4.850
5/7/2024 16:48:43	1.050	0.800	3.600
5/7/2024 09:19:24	1.000	0.800	3.750
5/6/2024 09:15:59	0.750	0.750	4.350
5/6/2024 09:03:10	0.850	0.700	4.500
5/3/2024 09:11:06	1.150	0.500	3.350
5/2/2024 09:48:24	0.800	0.800	2.450
5/1/2024 09:22:54	1.300	0.700	5.450
4/30/2024 10:43:56	1.000	1.250	5.000
4/30/2024 08:17:01	1.150	0.950	4.100
4/29/2024 09:10:57	1.550	0.750	5.050
4/29/2024 08:57:45	1.550	0.850	5.850
4/26/2024 08:09:31	1.300	0.750	5.850
4/25/2024 09:37:51	1.250	1.000	4.100
4/24/2024 09:17:24	1.600	1.450	5.400

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
4/23/2024 22:46:11	1.250	1.150	5.750
4/23/2024 09:01:59	0.700	0.550	4.900
4/22/2024 10:16:34	1.000	0.650	4.100
4/19/2024 10:59:00	1.050	1.050	5.250
4/19/2024 10:07:48	2.150	1.700	8.800
4/19/2024 09:10:32	0.600	0.600	1.050
4/18/2024 09:24:23	0.850	0.800	2.900
4/17/2024 17:03:53	1.350	0.800	4.300
4/17/2024 16:22:27	1.150	1.000	4.600
4/17/2024 09:09:54	0.800	0.750	2.300
4/16/2024 09:06:44	1.150	1.300	4.500
4/15/2024 09:14:49	1.200	1.150	5.300
4/12/2024 08:28:21	1.050	0.850	4.250
4/11/2024 08:35:01	0.900	0.700	4.650
4/10/2024 09:48:58	0.550	1.000	3.500
4/9/2024 08:56:49	0.700	0.700	3.500
4/8/2024 09:25:48	0.950	0.800	4.150
4/5/2024 08:28:47	1.450	0.700	5.100
4/4/2024 11:00:01	1.700	0.650	4.750
4/4/2024 10:45:12	1.100	0.750	3.200
4/3/2024 08:29:42	0.950	0.900	5.550
4/2/2024 09:43:44	0.800	0.750	2.500
4/1/2024 09:27:15	1.200	1.300	3.650
3/29/2024 08:53:28	1.250	0.900	3.350
3/28/2024 09:08:20	0.800	0.850	3.950
3/27/2024 16:48:32	1.250	1.100	4.700
3/27/2024 10:07:18	1.650	0.750	3.600
3/27/2024 08:49:30	1.700	0.600	4.200
3/26/2024 10:28:06	1.450	0.550	4.000
3/25/2024 10:10:30	1.150	0.650	4.800
3/22/2024 09:00:45	0.750	0.750	4.000
3/21/2024 08:44:31	0.900	0.450	4.000
3/20/2024 09:03:42	1.350	0.650	2.950
3/19/2024 13:23:15	1.250	0.750	3.650
3/19/2024 09:31:32	0.950	0.500	3.450
3/18/2024 10:47:35	1.150	0.550	3.550
3/15/2024 09:19:25	1.700	1.000	5.050
3/14/2024 09:13:05	1.100	0.750	4.050
3/13/2024 09:22:30	1.700	0.850	3.850
3/12/2024 09:10:39	0.850	0.700	3.750
3/11/2024 11:07:32	1.650	0.850	4.300

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
3/11/2024 09:31:05	1.450	0.850	4.850
3/11/2024 09:27:33	1.950	0.500	4.700
3/8/2024 08:29:13	1.800	0.650	4.350
3/7/2024 17:46:09	1.250	1.050	4.550
3/7/2024 13:19:13	0.950	0.650	4.750
3/7/2024 09:28:32	2.150	1.000	4.900
3/7/2024 09:11:32	1.200	0.600	3.500
3/7/2024 09:01:08	1.250	0.700	4.350
3/6/2024 10:19:40	1.600	0.500	4.550
3/5/2024 10:15:16	45.151	868.764	0.250
3/5/2024 10:09:01	0.450	0.100	0.150
3/4/2024 11:41:00	1.650	1.000	4.400
3/4/2024 11:28:21	1.900	1.700	7.550
3/1/2024 08:43:28	1.850	1.100	5.400
2/29/2024 10:38:23	1.350	0.800	4.500
2/29/2024 10:00:25	0.850	0.450	1.150
2/29/2024 09:54:15	0.900	0.350	1.300
2/28/2024 09:32:01	1.250	0.700	3.350
2/27/2024 09:16:47	1.000	0.700	3.200
2/26/2024 10:30:35	1.750	0.700	5.350
2/26/2024 10:00:21	2.150	0.700	5.850
2/23/2024 09:07:38	1.300	0.550	3.600
2/22/2024 08:58:48	1.150	0.850	4.300
2/21/2024 09:51:13	1.000	0.650	3.750
2/20/2024 09:59:52	1.100	1.250	3.900
2/19/2024 11:30:32	1.150	0.400	3.700
2/19/2024 11:27:00	1.800	0.500	3.150
2/19/2024 10:16:07	1.100	0.750	4.100
2/16/2024 10:28:26	1.650	0.950	5.150
2/15/2024 09:20:58	1.850	0.850	5.350
2/14/2024 09:20:12	2.050	1.150	5.600
2/13/2024 10:44:41	1.700	1.150	5.800
2/13/2024 10:29:18	1.550	0.800	2.700
2/12/2024 11:24:46	1.300	0.400	3.900
2/12/2024 11:09:08	0.150	0.150	0.350
2/12/2024 10:33:45	0.450	2.300	0.100
2/12/2024 10:19:52	1.550	0.400	1.250
2/12/2024 10:03:02	0.150	0.050	0.200
2/9/2024 09:43:26	1.600	0.400	3.200
2/8/2024 09:41:08	1.600	0.800	3.200
2/7/2024 09:08:34	1.200	0.550	3.550

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
2/6/2024 10:08:14	1.650	1.550	4.100
2/5/2024 16:27:35	1.100	0.550	3.400
2/2/2024 09:52:22	1.250	0.600	5.350
2/1/2024 09:29:20	1.000	0.550	5.000
1/31/2024 11:01:25	1.300	0.650	4.650
1/31/2024 10:56:52	1.200	0.800	5.700
1/30/2024 09:04:33	0.900	0.650	5.400
1/29/2024 09:09:33	1.100	0.650	4.000
1/26/2024 10:08:59	1.450	1.050	5.000
1/25/2024 09:54:25	1.350	0.850	3.950
1/24/2024 08:52:40	1.300	0.900	3.900
1/23/2024 11:08:41	1.000	0.900	3.450
1/22/2024 09:17:23	1.300	0.800	5.500
1/22/2024 09:06:26	1.750	0.650	4.050
1/19/2024 09:01:45	1.750	1.000	4.000
1/18/2024 10:29:20	1.250	0.650	3.600
1/17/2024 08:52:45	1.550	0.650	4.250
1/16/2024 14:09:54	1.450	0.650	4.150
1/16/2024 13:58:35	1.450	0.800	3.350
1/16/2024 13:45:11	1.050	0.600	3.600
1/15/2024 13:03:28	0.750	0.200	0.700
1/15/2024 10:46:25	0.800	0.100	0.400
1/15/2024 10:34:05	0.800	0.100	0.750
1/15/2024 10:25:28	1.350	0.150	0.800
1/15/2024 09:48:32	0.950	0.250	0.450
1/15/2024 09:32:45	1.050	0.350	0.600
1/11/2024 14:10:39	0.900	0.150	0.200
1/11/2024 14:00:32	0.700	0.050	0.250
1/11/2024 13:07:14	0.600	0.150	0.250
1/11/2024 12:18:32	0.550	0.050	0.400
1/11/2024 10:36:51	0.450	0.100	0.250
1/11/2024 10:28:26	0.550	0.050	0.200
1/11/2024 09:11:58	0.300	0.150	0.500
1/11/2024 09:02:27	0.700	0.200	0.500
1/11/2024 08:54:00	0.450	0.100	0.600
1/10/2024 09:10:40	1.400	1.000	4.400
1/9/2024 12:58:05	2.000	0.800	4.900
1/9/2024 12:49:35	1.200	0.450	1.750
1/9/2024 12:37:33	0.000	0.050	0.200
1/9/2024 12:22:55	0.050	0.050	0.000
1/9/2024 12:00:03	0.000	0.050	0.100

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/9/2024 11:54:42	0.000	0.000	0.050
1/9/2024 11:45:17	0.100	0.000	0.050
1/9/2024 11:40:53	0.050	0.000	0.050
1/9/2024 11:25:08	0.450	0.050	0.200
1/9/2024 11:20:04	0.250	0.100	0.200
1/8/2024 13:49:37	0.950	0.550	2.650
1/8/2024 12:34:48	0.350	0.150	0.600
1/8/2024 12:30:18	0.250	0.300	0.450
1/5/2024 09:35:49	1.250	0.450	3.900
1/4/2024 09:13:21	1.100	0.750	4.350
1/4/2024 09:00:57	1.400	0.450	2.950
1/3/2024 08:46:17	1.250	0.600	3.200
1/2/2024 11:16:48	1.350	0.300	2.800
1/2/2024 10:38:17	1.250	0.800	2.900
12/29/2023 10:12:49	0.850	0.500	3.100
12/28/2023 08:59:35	1.000	0.800	3.550
12/27/2023 12:20:02	1.000	0.600	3.150
12/27/2023 11:34:32	0.800	0.650	3.450
12/27/2023 10:51:04	1.000	0.800	3.000
12/27/2023 10:41:08	1.200	0.400	3.400
12/27/2023 10:33:50	1.500	0.650	3.500
12/27/2023 10:28:28	0.950	0.600	3.300
12/22/2023 07:49:52	0.850	0.450	2.400
12/21/2023 08:44:43	1.050	0.450	2.150
12/20/2023 09:26:41	0.600	0.350	3.500
12/19/2023 09:55:37	1.150	0.550	2.600
12/18/2023 10:16:18	0.700	0.400	2.100
12/18/2023 10:06:38	0.900	0.150	2.400
12/18/2023 10:00:26	1.150	0.200	2.950
12/15/2023 09:45:55	1.000	0.800	3.050
12/14/2023 10:23:15	0.350	0.850	2.950
12/13/2023 10:17:40	0.650	0.250	2.800
12/12/2023 09:56:00	0.950	0.600	2.700
12/11/2023 10:31:48	1.350	0.200	2.550
12/8/2023 10:10:39	0.950	0.600	3.250
12/7/2023 09:51:50	0.850	0.300	2.550
12/6/2023 10:12:37	1.050	0.750	3.550
12/5/2023 10:02:14	0.600	0.450	1.750
12/4/2023 12:08:53	0.600	0.300	2.500
12/4/2023 11:24:17	0.350	0.200	1.300
12/4/2023 11:20:06	0.500	0.250	0.850

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/4/2023 11:16:06	0.150	0.500	1.150
12/4/2023 10:23:39	0.300	0.150	1.400
12/4/2023 10:16:55	0.300	0.350	0.950
12/4/2023 10:09:27	0.400	0.300	1.100
12/1/2023 09:45:19	0.550	0.500	1.500
11/30/2023 11:48:17	0.450	0.350	1.950
11/30/2023 11:13:01	0.450	0.100	1.200
11/30/2023 11:05:44	0.500	0.050	1.150
11/30/2023 10:33:46	0.150	0.200	0.700
11/29/2023 10:04:26	0.850	0.450	2.200
11/29/2023 09:51:22	0.750	0.300	2.400
11/28/2023 12:50:37	1.000	0.550	2.650
11/28/2023 12:18:55	0.800	0.700	3.500
11/28/2023 12:15:04	0.500	0.450	3.050
11/28/2023 11:49:24	0.900	0.450	3.200
11/28/2023 10:22:53	0.650	0.350	1.800
11/28/2023 10:19:03	0.550	0.400	1.950
11/28/2023 10:15:20	0.200	0.200	1.650
11/28/2023 09:59:37	0.250	0.200	1.500
11/27/2023 10:28:48	0.300	0.200	1.850
11/27/2023 10:07:16	0.300	0.100	1.500
11/27/2023 10:01:25	0.500	0.150	1.150
11/27/2023 09:52:06	0.500	0.150	1.250
11/22/2023 09:50:47	0.500	0.300	1.700
11/21/2023 09:52:05	0.650	0.250	1.200
11/20/2023 09:38:08	0.200	0.350	1.450
11/17/2023 10:07:38	0.250	0.100	2.450
11/16/2023 09:42:56	0.350	0.350	2.750
11/15/2023 13:01:45	0.550	0.100	1.700
11/15/2023 12:33:52	0.350	0.250	0.900
11/15/2023 12:27:35	0.150	0.250	1.300
11/15/2023 12:17:35	0.400	0.200	0.900
11/15/2023 12:09:42	0.450	0.150	1.350
11/15/2023 10:39:09	0.200	0.100	1.150
11/14/2023 10:25:03	1.600	0.750	4.550
11/13/2023 09:42:07	1.000	0.350	3.300
11/10/2023 09:15:37	0.950	0.650	3.000
11/9/2023 09:55:52	0.850	0.450	2.800
11/8/2023 09:55:56	1.100	0.450	3.550
11/7/2023 10:07:52	1.150	0.800	3.850
11/7/2023 10:01:12	0.750	0.350	2.550

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/7/2023 09:55:11	1.000	0.350	3.150
11/6/2023 10:21:52	1.450	0.800	3.700
11/3/2023 09:44:39	1.250	0.600	4.000
11/2/2023 09:56:11	1.350	0.500	3.200
11/1/2023 09:41:33	1.550	0.700	4.000

Tune Parameters

Created Date	Extract 1	Extract 2	Omega Bias
8/22/2024 08:43:54	0.0 V	-160.0 V	-70 V
8/21/2024 08:04:13	0.0 V	-200.0 V	-80 V
8/20/2024 09:20:37	0.0 V	-190.0 V	-100 V
8/19/2024 10:25:21	0.0 V	-185.0 V	-80 V
8/19/2024 09:17:03	0.0 V	-165.0 V	-80 V
8/16/2024 08:56:38	0.0 V	-180.0 V	-80 V
8/15/2024 08:28:01	0.0 V	-165.0 V	-80 V
8/14/2024 08:24:41	0.0 V	-175.0 V	-80 V
8/13/2024 08:51:41	0.0 V	-185.0 V	-80 V
8/12/2024 09:10:43	0.0 V	-160.0 V	-80 V
8/12/2024 08:57:52	0.0 V	-180.0 V	-80 V
8/9/2024 11:39:50	0.0 V	-195.0 V	-90 V
8/9/2024 10:08:20	0.0 V	-195.0 V	-90 V
8/8/2024 08:40:39	0.0 V	-195.0 V	-90 V
8/7/2024 09:19:16	0.0 V	-195.0 V	-90 V
8/6/2024 11:12:44	0.0 V	-200.0 V	-80 V
8/6/2024 10:53:38	0.0 V	-200.0 V	-80 V
8/5/2024 10:40:17	0.0 V	-200.0 V	-80 V
8/5/2024 10:09:19	0.0 V	-200.0 V	-90 V
8/5/2024 09:55:23	0.0 V	-195.0 V	-90 V
8/2/2024 09:40:16	0.0 V	-190.0 V	-90 V
8/2/2024 08:37:48	0.0 V	-190.0 V	-90 V
8/1/2024 10:38:00	0.0 V	-180.0 V	-90 V
8/1/2024 09:06:45	0.0 V	-175.0 V	-90 V
7/31/2024 08:13:58	0.0 V	-185.0 V	-90 V
7/30/2024 08:50:51	0.0 V	-180.0 V	-90 V
7/29/2024 16:06:05	0.0 V	-190.0 V	-90 V
7/29/2024 12:07:28	0.0 V	-195.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
7/29/2024 11:14:31	0.0 V	-195.0 V	-100 V
7/29/2024 10:15:21	0.0 V	-180.0 V	-90 V
7/26/2024 08:53:52	0.0 V	-190.0 V	-90 V
7/25/2024 09:09:23	0.0 V	-165.0 V	-90 V
7/24/2024 15:10:09	0.0 V	-185.0 V	-90 V
7/24/2024 08:46:25	0.0 V	-180.0 V	-90 V
7/23/2024 09:32:54	0.0 V	-180.0 V	-90 V
7/22/2024 10:18:30	0.0 V	-185.0 V	-90 V
7/19/2024 08:55:06	0.0 V	-190.0 V	-90 V
7/18/2024 09:06:31	0.0 V	-175.0 V	-90 V
7/17/2024 13:03:52	0.0 V	-185.0 V	-90 V
7/17/2024 08:53:29	0.0 V	-185.0 V	-90 V
7/16/2024 08:54:03	0.0 V	-190.0 V	-90 V
7/15/2024 10:39:29	0.0 V	-195.0 V	-90 V
7/15/2024 10:30:38	0.0 V	-180.0 V	-90 V
7/15/2024 10:13:57	0.0 V	-180.0 V	-90 V
7/15/2024 09:02:48	0.0 V	-185.0 V	-90 V
7/12/2024 08:34:22	0.0 V	-175.0 V	-90 V
7/11/2024 09:57:22	0.0 V	-180.0 V	-80 V
7/10/2024 08:53:17	0.0 V	-150.0 V	-70 V
7/9/2024 11:54:06	0.0 V	-155.0 V	-70 V
7/9/2024 11:32:31	0.0 V	-155.0 V	-70 V
7/9/2024 11:26:38	0.0 V	-155.0 V	-70 V
7/9/2024 10:39:16	0.0 V	-155.0 V	-70 V
7/9/2024 09:17:46	0.0 V	-155.0 V	-70 V
7/9/2024 08:57:06	0.0 V	-140.0 V	-70 V
7/8/2024 09:21:55	0.0 V	-165.0 V	-80 V
7/8/2024 09:16:31	0.0 V	-160.0 V	-80 V
7/5/2024 09:03:10	0.0 V	-200.0 V	-90 V
7/3/2024 13:05:52	0.0 V	-195.0 V	-100 V
7/3/2024 11:25:40	0.0 V	-195.0 V	-90 V
7/3/2024 09:13:37	0.0 V	-195.0 V	-90 V
7/3/2024 08:44:49	0.0 V	-170.0 V	-90 V
7/2/2024 10:26:17	0.0 V	-170.0 V	-90 V
7/2/2024 08:58:12	0.0 V	-170.0 V	-90 V
7/1/2024 14:16:19	0.0 V	-190.0 V	-90 V
7/1/2024 10:01:10	0.0 V	-195.0 V	-90 V
6/28/2024 08:25:22	0.0 V	-195.0 V	-90 V
6/27/2024 08:34:14	0.0 V	-195.0 V	-90 V
6/27/2024 08:11:22	0.0 V	-175.0 V	-90 V
6/26/2024 07:54:24	0.0 V	-175.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
6/25/2024 09:02:17	0.0 V	-190.0 V	-90 V
6/24/2024 09:30:27	0.0 V	-190.0 V	-90 V
6/21/2024 08:55:34	0.0 V	-200.0 V	-90 V
6/21/2024 08:22:44	0.0 V	-170.0 V	-90 V
6/20/2024 09:00:43	0.0 V	-170.0 V	-90 V
6/19/2024 07:51:31	0.0 V	-175.0 V	-90 V
6/18/2024 07:52:20	0.0 V	-175.0 V	-90 V
6/17/2024 08:58:45	0.0 V	-175.0 V	-90 V
6/14/2024 08:44:27	0.0 V	-195.0 V	-90 V
6/13/2024 08:42:30	0.0 V	-200.0 V	-100 V
6/12/2024 09:03:47	0.0 V	-200.0 V	-100 V
6/11/2024 08:44:40	0.0 V	-185.0 V	-100 V
6/10/2024 09:31:51	0.0 V	-170.0 V	-90 V
6/10/2024 09:17:04	0.0 V	-165.0 V	-90 V
6/10/2024 09:10:07	0.0 V	-165.0 V	-90 V
6/7/2024 09:02:38	0.0 V	-165.0 V	-90 V
6/6/2024 15:20:20	0.0 V	-165.0 V	-90 V
6/6/2024 05:03:01	0.0 V	-190.0 V	-90 V
6/6/2024 04:59:28	0.0 V	-190.0 V	-90 V
6/5/2024 08:30:26	0.0 V	-190.0 V	-90 V
6/4/2024 08:52:51	0.0 V	-200.0 V	-90 V
6/4/2024 08:39:35	0.0 V	-200.0 V	-100 V
6/4/2024 08:33:37	0.0 V	-200.0 V	-100 V
6/3/2024 10:10:17	0.0 V	-200.0 V	-100 V
6/3/2024 09:51:43	0.0 V	-175.0 V	-100 V
6/3/2024 09:44:54	0.0 V	-175.0 V	-100 V
6/3/2024 09:30:49	0.0 V	-175.0 V	-100 V
5/31/2024 08:42:32	0.0 V	-200.0 V	-100 V
5/30/2024 09:08:46	0.0 V	-200.0 V	-100 V
5/29/2024 09:04:40	0.0 V	-200.0 V	-100 V
5/29/2024 08:48:40	0.0 V	-170.0 V	-80 V
5/29/2024 08:44:08	0.0 V	-170.0 V	-80 V
5/28/2024 09:34:37	0.0 V	-170.0 V	-80 V
5/24/2024 07:20:01	0.0 V	-200.0 V	-90 V
5/23/2024 10:25:13	0.0 V	-200.0 V	-90 V
5/22/2024 09:45:06	0.0 V	-200.0 V	-90 V
5/21/2024 09:06:58	0.0 V	-200.0 V	-90 V
5/21/2024 08:01:17	0.0 V	-200.0 V	-100 V
5/20/2024 17:22:27	0.0 V	-200.0 V	-100 V
5/20/2024 17:18:56	0.0 V	-200.0 V	-100 V
5/20/2024 09:20:56	0.0 V	-200.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
5/17/2024 09:12:39	0.0 V	-200.0 V	-100 V
5/16/2024 08:56:23	0.0 V	-200.0 V	-100 V
5/15/2024 09:38:13	0.0 V	-200.0 V	-100 V
5/15/2024 09:21:01	0.0 V	-190.0 V	-90 V
5/14/2024 09:41:16	0.0 V	-190.0 V	-90 V
5/14/2024 09:04:40	0.0 V	-190.0 V	-90 V
5/13/2024 09:04:44	0.0 V	-190.0 V	-90 V
5/10/2024 08:57:17	0.0 V	-190.0 V	-90 V
5/9/2024 09:06:46	0.0 V	-190.0 V	-90 V
5/9/2024 08:50:21	0.0 V	-190.0 V	-90 V
5/9/2024 08:44:20	0.0 V	-190.0 V	-90 V
5/8/2024 09:39:10	0.0 V	-190.0 V	-90 V
5/7/2024 17:05:39	0.0 V	-195.0 V	-100 V
5/7/2024 16:48:43	0.0 V	-195.0 V	-100 V
5/7/2024 09:19:24	0.0 V	-195.0 V	-100 V
5/6/2024 09:15:59	0.0 V	-195.0 V	-100 V
5/6/2024 09:03:10	0.0 V	-195.0 V	-100 V
5/3/2024 09:11:06	0.0 V	-195.0 V	-100 V
5/2/2024 09:48:24	0.0 V	-190.0 V	-100 V
5/1/2024 09:22:54	0.0 V	-185.0 V	-100 V
4/30/2024 10:43:56	0.0 V	-185.0 V	-100 V
4/30/2024 08:17:01	0.0 V	-185.0 V	-100 V
4/29/2024 09:10:57	0.0 V	-185.0 V	-100 V
4/29/2024 08:57:45	0.0 V	-185.0 V	-100 V
4/26/2024 08:09:31	0.0 V	-185.0 V	-100 V
4/25/2024 09:37:51	0.0 V	-185.0 V	-100 V
4/24/2024 09:17:24	0.0 V	-195.0 V	-100 V
4/23/2024 22:46:11	0.0 V	-195.0 V	-100 V
4/23/2024 09:01:59	0.0 V	-195.0 V	-100 V
4/22/2024 10:16:34	0.0 V	-195.0 V	-100 V
4/19/2024 10:59:00	0.0 V	-200.0 V	-100 V
4/19/2024 10:07:48	0.0 V	-200.0 V	-110 V
4/19/2024 09:10:32	0.0 V	-180.0 V	-100 V
4/18/2024 09:24:23	0.0 V	-180.0 V	-100 V
4/17/2024 17:03:53	0.0 V	-180.0 V	-100 V
4/17/2024 16:22:27	0.0 V	-180.0 V	-100 V
4/17/2024 09:09:54	0.0 V	-180.0 V	-100 V
4/16/2024 09:06:44	0.0 V	-200.0 V	-100 V
4/15/2024 09:14:49	0.0 V	-200.0 V	-100 V
4/12/2024 08:28:21	0.0 V	-200.0 V	-100 V
4/11/2024 08:35:01	0.0 V	-200.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
4/10/2024 09:48:58	0.0 V	-195.0 V	-100 V
4/9/2024 08:56:49	0.0 V	-195.0 V	-100 V
4/8/2024 09:25:48	0.0 V	-195.0 V	-100 V
4/5/2024 08:28:47	0.0 V	-195.0 V	-100 V
4/4/2024 11:00:01	0.0 V	-190.0 V	-90 V
4/4/2024 10:45:12	0.0 V	-200.0 V	-90 V
4/3/2024 08:29:42	0.0 V	-200.0 V	-90 V
4/2/2024 09:43:44	0.0 V	-195.0 V	-90 V
4/1/2024 09:27:15	0.0 V	-195.0 V	-90 V
3/29/2024 08:53:28	0.0 V	-195.0 V	-90 V
3/28/2024 09:08:20	0.0 V	-195.0 V	-90 V
3/27/2024 16:48:32	0.0 V	-195.0 V	-90 V
3/27/2024 10:07:18	0.0 V	-195.0 V	-90 V
3/27/2024 08:49:30	0.0 V	-195.0 V	-90 V
3/26/2024 10:28:06	0.0 V	-195.0 V	-90 V
3/25/2024 10:10:30	0.0 V	-200.0 V	-100 V
3/22/2024 09:00:45	0.0 V	-190.0 V	-100 V
3/21/2024 08:44:31	0.0 V	-190.0 V	-100 V
3/20/2024 09:03:42	0.0 V	-190.0 V	-100 V
3/19/2024 13:23:15	0.0 V	-190.0 V	-100 V
3/19/2024 09:31:32	0.0 V	-190.0 V	-100 V
3/18/2024 10:47:35	0.0 V	-190.0 V	-100 V
3/15/2024 09:19:25	0.0 V	-200.0 V	-90 V
3/14/2024 09:13:05	0.0 V	-200.0 V	-90 V
3/13/2024 09:22:30	0.0 V	-200.0 V	-90 V
3/12/2024 09:10:39	0.0 V	-200.0 V	-90 V
3/11/2024 11:07:32	0.0 V	-200.0 V	-90 V
3/11/2024 09:31:05	0.0 V	-195.0 V	-100 V
3/11/2024 09:27:33	0.0 V	-195.0 V	-100 V
3/8/2024 08:29:13	0.0 V	-200.0 V	-100 V
3/7/2024 17:46:09	0.0 V	-200.0 V	-100 V
3/7/2024 13:19:13	0.0 V	-200.0 V	-100 V
3/7/2024 09:28:32	0.0 V	-200.0 V	-100 V
3/7/2024 09:11:32	0.0 V	-200.0 V	-100 V
3/7/2024 09:01:08	0.0 V	-200.0 V	-100 V
3/6/2024 10:19:40	0.0 V	-200.0 V	-100 V
3/5/2024 10:15:16	0.0 V	-200.0 V	-100 V
3/5/2024 10:09:01	0.0 V	-200.0 V	-100 V
3/4/2024 11:41:00	0.0 V	-200.0 V	-100 V
3/4/2024 11:28:21	0.0 V	-200.0 V	-100 V
3/1/2024 08:43:28	0.0 V	-200.0 V	-120 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
2/29/2024 10:38:23	0.0 V	-200.0 V	-120 V
2/29/2024 10:00:25	0.0 V	-160.0 V	-110 V
2/29/2024 09:54:15	0.0 V	-160.0 V	-110 V
2/28/2024 09:32:01	0.0 V	-200.0 V	-100 V
2/27/2024 09:16:47	0.0 V	-200.0 V	-100 V
2/26/2024 10:30:35	0.0 V	-200.0 V	-100 V
2/26/2024 10:00:21	0.0 V	-200.0 V	-110 V
2/23/2024 09:07:38	0.0 V	-200.0 V	-110 V
2/22/2024 08:58:48	0.0 V	-200.0 V	-110 V
2/21/2024 09:51:13	0.0 V	-200.0 V	-110 V
2/20/2024 09:59:52	0.0 V	-200.0 V	-110 V
2/19/2024 11:30:32	0.0 V	-200.0 V	-110 V
2/19/2024 11:27:00	0.0 V	-200.0 V	-110 V
2/19/2024 10:16:07	0.0 V	-200.0 V	-120 V
2/16/2024 10:28:26	0.0 V	-200.0 V	-120 V
2/15/2024 09:20:58	0.0 V	-200.0 V	-120 V
2/14/2024 09:20:12	0.0 V	-200.0 V	-120 V
2/13/2024 10:44:41	0.0 V	-200.0 V	-120 V
2/13/2024 10:29:18	0.0 V	-200.0 V	-120 V
2/12/2024 11:24:46	0.0 V	-200.0 V	-120 V
2/12/2024 11:09:08	0.0 V	-175.0 V	-120 V
2/12/2024 10:33:45	0.0 V	-175.0 V	-120 V
2/12/2024 10:19:52	0.0 V	-175.0 V	-120 V
2/12/2024 10:03:02	0.0 V	-200.0 V	-100 V
2/9/2024 09:43:26	0.0 V	-200.0 V	-100 V
2/8/2024 09:41:08	0.0 V	-200.0 V	-100 V
2/7/2024 09:08:34	0.0 V	-200.0 V	-100 V
2/6/2024 10:08:14	0.0 V	-200.0 V	-100 V
2/5/2024 16:27:35	0.0 V	-200.0 V	-120 V
2/2/2024 09:52:22	0.0 V	-200.0 V	-90 V
2/1/2024 09:29:20	0.0 V	-200.0 V	-90 V
1/31/2024 11:01:25	0.0 V	-200.0 V	-90 V
1/31/2024 10:56:52	0.0 V	-200.0 V	-90 V
1/30/2024 09:04:33	0.0 V	-200.0 V	-90 V
1/29/2024 09:09:33	0.0 V	-200.0 V	-90 V
1/26/2024 10:08:59	0.0 V	-200.0 V	-90 V
1/25/2024 09:54:25	0.0 V	-200.0 V	-90 V
1/24/2024 08:52:40	0.0 V	-200.0 V	-90 V
1/23/2024 11:08:41	0.0 V	-200.0 V	-90 V
1/22/2024 09:17:23	0.0 V	-200.0 V	-90 V
1/22/2024 09:06:26	0.0 V	-200.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
1/19/2024 09:01:45	0.0 V	-200.0 V	-100 V
1/18/2024 10:29:20	0.0 V	-200.0 V	-100 V
1/17/2024 08:52:45	0.0 V	-200.0 V	-100 V
1/16/2024 14:09:54	0.0 V	-200.0 V	-100 V
1/16/2024 13:58:35	0.0 V	-200.0 V	-100 V
1/16/2024 13:45:11	0.0 V	-200.0 V	-100 V
1/15/2024 13:03:28	0.0 V	-200.0 V	-120 V
1/15/2024 10:46:25	0.0 V	-200.0 V	-120 V
1/15/2024 10:34:05	0.0 V	-200.0 V	-120 V
1/15/2024 10:25:28	0.0 V	-200.0 V	-120 V
1/15/2024 09:48:32	0.0 V	-200.0 V	-120 V
1/15/2024 09:32:45	0.0 V	-200.0 V	-120 V
1/11/2024 14:10:39	0.0 V	-200.0 V	-120 V
1/11/2024 14:00:32	0.0 V	-200.0 V	-120 V
1/11/2024 13:07:14	0.0 V	-200.0 V	-120 V
1/11/2024 12:18:32	0.0 V	-200.0 V	-120 V
1/11/2024 10:36:51	0.0 V	-200.0 V	-120 V
1/11/2024 10:28:26	0.0 V	-185.0 V	-110 V
1/11/2024 09:11:58	0.0 V	-155.0 V	-100 V
1/11/2024 09:02:27	0.0 V	-150.0 V	-80 V
1/11/2024 08:54:00	0.0 V	-150.0 V	-80 V
1/10/2024 09:10:40	0.0 V	-200.0 V	-90 V
1/9/2024 12:58:05	0.0 V	-200.0 V	-120 V
1/9/2024 12:49:35	0.0 V	-200.0 V	-120 V
1/9/2024 12:37:33	0.0 V	-165.0 V	-100 V
1/9/2024 12:22:55	0.0 V	-165.0 V	-100 V
1/9/2024 12:00:03	0.0 V	-165.0 V	-100 V
1/9/2024 11:54:42	0.0 V	-165.0 V	-100 V
1/9/2024 11:45:17	0.0 V	-165.0 V	-100 V
1/9/2024 11:40:53	0.0 V	-165.0 V	-100 V
1/9/2024 11:25:08	0.0 V	-165.0 V	-100 V
1/9/2024 11:20:04	0.0 V	-165.0 V	-100 V
1/8/2024 13:49:37	0.0 V	-200.0 V	-100 V
1/8/2024 12:34:48	0.0 V	-140.0 V	-80 V
1/8/2024 12:30:18	0.0 V	-140.0 V	-80 V
1/5/2024 09:35:49	0.0 V	-180.0 V	-80 V
1/4/2024 09:13:21	0.0 V	-170.0 V	-80 V
1/4/2024 09:00:57	0.0 V	-160.0 V	-80 V
1/3/2024 08:46:17	0.0 V	-200.0 V	-100 V
1/2/2024 11:16:48	0.0 V	-200.0 V	-90 V
1/2/2024 10:38:17	0.0 V	-200.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
12/29/2023 10:12:49	0.0 V	-200.0 V	-100 V
12/28/2023 08:59:35	0.0 V	-200.0 V	-90 V
12/27/2023 12:20:02	0.0 V	-200.0 V	-90 V
12/27/2023 11:34:32	0.0 V	-200.0 V	-90 V
12/27/2023 10:51:04	0.0 V	-200.0 V	-90 V
12/27/2023 10:41:08	0.0 V	-200.0 V	-90 V
12/27/2023 10:33:50	0.0 V	-200.0 V	-90 V
12/27/2023 10:28:28	0.0 V	-200.0 V	-90 V
12/22/2023 07:49:52	0.0 V	-195.0 V	-90 V
12/21/2023 08:44:43	0.0 V	-200.0 V	-90 V
12/20/2023 09:26:41	0.0 V	-200.0 V	-100 V
12/19/2023 09:55:37	0.0 V	-200.0 V	-100 V
12/18/2023 10:16:18	0.0 V	-200.0 V	-100 V
12/18/2023 10:06:38	0.0 V	-185.0 V	-90 V
12/18/2023 10:00:26	0.0 V	-185.0 V	-90 V
12/15/2023 09:45:55	0.0 V	-200.0 V	-90 V
12/14/2023 10:23:15	0.0 V	-200.0 V	-90 V
12/13/2023 10:17:40	0.0 V	-200.0 V	-90 V
12/12/2023 09:56:00	0.0 V	-200.0 V	-90 V
12/11/2023 10:31:48	0.0 V	-200.0 V	-90 V
12/8/2023 10:10:39	0.0 V	-200.0 V	-100 V
12/7/2023 09:51:50	0.0 V	-190.0 V	-80 V
12/6/2023 10:12:37	0.0 V	-200.0 V	-100 V
12/5/2023 10:02:14	0.0 V	-200.0 V	-80 V
12/4/2023 12:08:53	0.0 V	-180.0 V	-90 V
12/4/2023 11:24:17	0.0 V	-145.0 V	-70 V
12/4/2023 11:20:06	0.0 V	-145.0 V	-70 V
12/4/2023 11:16:06	0.0 V	-145.0 V	-70 V
12/4/2023 10:23:39	0.0 V	-145.0 V	-70 V
12/4/2023 10:16:55	0.0 V	-170.0 V	-90 V
12/4/2023 10:09:27	0.0 V	-145.0 V	-70 V
12/1/2023 09:45:19	0.0 V	-155.0 V	-80 V
11/30/2023 11:48:17	0.0 V	-155.0 V	-80 V
11/30/2023 11:13:01	0.0 V	-150.0 V	-80 V
11/30/2023 11:05:44	0.0 V	-160.0 V	-90 V
11/30/2023 10:33:46	0.0 V	-170.0 V	-90 V
11/29/2023 10:04:26	0.0 V	-195.0 V	-100 V
11/29/2023 09:51:22	0.0 V	-190.0 V	-80 V
11/28/2023 12:50:37	0.0 V	-200.0 V	-80 V
11/28/2023 12:18:55	0.0 V	-175.0 V	-80 V
11/28/2023 12:15:04	0.0 V	-175.0 V	-80 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
11/28/2023 11:49:24	0.0 V	-170.0 V	-80 V
11/28/2023 10:22:53	0.0 V	-165.0 V	-80 V
11/28/2023 10:19:03	0.0 V	-165.0 V	-80 V
11/28/2023 10:15:20	0.0 V	-165.0 V	-80 V
11/28/2023 09:59:37	0.0 V	-170.0 V	-70 V
11/27/2023 10:28:48	0.0 V	-165.0 V	-80 V
11/27/2023 10:07:16	0.0 V	-185.0 V	-100 V
11/27/2023 10:01:25	0.0 V	-185.0 V	-100 V
11/27/2023 09:52:06	0.0 V	-185.0 V	-100 V
11/22/2023 09:50:47	0.0 V	-155.0 V	-80 V
11/21/2023 09:52:05	0.0 V	-155.0 V	-80 V
11/20/2023 09:38:08	0.0 V	-150.0 V	-80 V
11/17/2023 10:07:38	0.0 V	-175.0 V	-90 V
11/16/2023 09:42:56	0.0 V	-180.0 V	-90 V
11/15/2023 13:01:45	0.0 V	-170.0 V	-90 V
11/15/2023 12:33:52	0.0 V	-175.0 V	-90 V
11/15/2023 12:27:35	0.0 V	-175.0 V	-90 V
11/15/2023 12:17:35	0.0 V	-175.0 V	-90 V
11/15/2023 12:09:42	0.0 V	-170.0 V	-90 V
11/15/2023 10:39:09	0.0 V	-175.0 V	-90 V
11/14/2023 10:25:03	0.0 V	-200.0 V	-90 V
11/13/2023 09:42:07	0.0 V	-200.0 V	-90 V
11/10/2023 09:15:37	0.0 V	-200.0 V	-90 V
11/9/2023 09:55:52	0.0 V	-200.0 V	-90 V
11/8/2023 09:55:56	0.0 V	-200.0 V	-100 V
11/7/2023 10:07:52	0.0 V	-200.0 V	-120 V
11/7/2023 10:01:12	0.0 V	-195.0 V	-90 V
11/7/2023 09:55:11	0.0 V	-195.0 V	-90 V
11/6/2023 10:21:52	0.0 V	-200.0 V	-100 V
11/3/2023 09:44:39	0.0 V	-200.0 V	-120 V
11/2/2023 09:56:11	0.0 V	-200.0 V	-90 V
11/1/2023 09:41:33	0.0 V	-195.0 V	-90 V

Internal Standards

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_240821F

CCV Name: CAL BLANK

Run No: 93809

CCV SeqNo: 1959075

Lab File ID (Standard): 003CALB.d

Date Analyzed: 8/21/2024

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 8:41

GC Column: ID (mm): Length (M):

	IS1 Lithium 6 AREA #	RT #	IS2 Scandium AREA #	RT #	IS3 Germanium AREA #	RT #	IS4 Indium AREA #	RT #
12 HOUR STD	1428274.38	0.000	258575.91	0.000	177931.34	0.000	1916740.71	0.000
UPPER LIMIT	7141371.9	1.000	1292879.55	1.000	889656.7	1.000	9583703.55	1.000
LOWER LIMIT	428482	-1.000	77573	-1.000	53379	-1.000	575022	-1.000
SAMPLE NO.								
01 ICV	1.51486e+006	0	248001	0	164675	0	1.75013e+006	0
02 ICSA	1.46481e+006	0	236092	0	160041	0	1.69786e+006	0
03 CCV-A	1.50898e+006	0	237831	0	163115	0	1.78863e+006	0
04 CCB-A	1.44839e+006	0	241157	0	164806	0	1.7801e+006	0
05 MB-44939	1.55106e+006	0	246739	0	170757	0	1.80364e+006	0
06 LCS-44939	1.4229e+006	0	240250	0	165309	0	1.76475e+006	0
07 2408246-001C	1.44602e+006	0	235080	0	161246	0	1.68416e+006	0
08 2408246-001CDUP	1.47574e+006	0	232377	0	159829	0	1.67826e+006	0
09 2408246-001CMS	1.53505e+006	0	234828	0	159680	0	1.68191e+006	0
10 2408246-001CMSDIL	1.5243e+006	0	231668	0	160794	0	1.73204e+006	0
11 2408246-002C	1.47831e+006	0	234355	0	161963	0	1.68587e+006	0
12 2408246-003C	1.53757e+006	0	237961	0	162741	0	1.74376e+006	0
13 CCV-B	1.54073e+006	0	238368	0	163442	0	1.78596e+006	0
14 CCB-B	1.59283e+006	0	239856	0	165612	0	1.80639e+006	0
15 2408246-004C	1.58569e+006	0	250131	0	167954	0	1.72989e+006	0
16 2408246-005C	1.59036e+006	0	255802	0	170173	0	1.73408e+006	0
17 2408246-006C	1.42343e+006	0	252071	0	163676	0	1.65543e+006	0
18 2408246-007C	1.49802e+006	0	253085	0	163477	0	1.69472e+006	0
19 2408246-008C	1.71446e+006	0	258391	0	170598	0	1.75325e+006	0
20 2408247-001C	1.09191e+006	0	242786	0	148591	0	1.41119e+006	0
21 2408247-002C	1.36025e+006	0	251782	0	157636	0	1.52293e+006	0
22 2408247-002CMS	1.35624e+006	0	258881	0	161839	0	1.59481e+006	0
23 2408247-002CMSD	1.39941e+006	0	259555	0	164473	0	1.62534e+006	0
24 2408247-003C	1.3988e+006	0	266893	0	165254	0	1.64661e+006	0
25 CCV-C	2.12005e+006	0	321295	0	209097	0	2.14985e+006	0
26 CCB-C	2.20029e+006	0	310402	0	203941	0	2.18071e+006	0
27 2408247-004C	1.28748e+006	0	261070	0	161189	0	1.65013e+006	0
28 2408312-001D	2.1726e+006	0	291402	0	198591	0	2.08943e+006	0
29 2408312-002D	2.06253e+006	0	285914	0	191036	0	1.95267e+006	0
30 2408312-003D	2.02617e+006	0	280314	0	186950	0	1.95488e+006	0
31 2408312-004D	1.94611e+006	0	273962	0	185908	0	1.96877e+006	0
32 CCV-D	2.01157e+006	0	285708	0	187319	0	2.01103e+006	0
33 CCB-D	1.89457e+006	0	282922	0	188332	0	2.07224e+006	0
34 LDR	1.67613e+006	0	266091	0	176823	0	1.74591e+006	0

IS1 Lithium 6 = Lithium 6

IS2 Scandium = Scandium

IS3 Germanium = germanium

IS4 Indium = Indium

AREA UPPER LIMIT = +400% of internal standard area

AREA LOWER LIMIT = -70% of internal standard area

RT UPPER LIMIT = +1.00 minutes of internal standard RT

RT LOWER LIMIT = -1.00 minutes of internal standard RT

INTERNAL STANDARD AREA AND RT SUMMARY

RunID:	ICP-MS 2 AGILENT 7850_240821F	CCV Name:	CAL BLANK
Run No:	93809	CCV SeqNo:	1959075
Lab File ID (Standard):	003CALB.d	Date Analyzed:	8/21/2024
Instrument ID:	ICP-MS 2 Agilent 7850	Time Analyzed:	8:41
GC Column:	ID (mm):	Length (M):	

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_240821F

CCV Name: CAL BLANK

Run No: 93809

CCV SeqNo: 1959075

Lab File ID (Standard): 003CALB.d

Date Analyzed: 8/21/2024

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 8:41

GC Column: ID (mm): Length (M):

		IS5 Terbium AREA #	RT #						
	12 HOUR STD	3981008.5	0.000						
	UPPER LIMIT	19905042.5	1.000						
	LOWER LIMIT	1194303	-1.000						
	SAMPLE NO.								
01	CCV-A	4.01799e+006	0						
02	CCB-A	4.07319e+006	0						
03	MB-44939	4.00707e+006	0						
04	LCS-44939	4.06539e+006	0						
05	2408246-001C	4.03256e+006	0						
06	2408246-001CDUP	3.97868e+006	0						
07	2408246-001CMS	3.94391e+006	0						
08	2408246-001CMSDIL	4.06357e+006	0						
09	2408246-002C	4.2147e+006	0						
10	2408246-003C	3.97725e+006	0						
11	CCV-B	4.14903e+006	0						
12	CCB-B	4.00861e+006	0						
13	2408246-004C	3.8288e+006	0						
14	2408246-005C	3.97179e+006	0						
15	2408246-006C	3.77071e+006	0						
16	2408246-007C	3.75614e+006	0						
17	2408246-008C	3.89492e+006	0						
18	2408247-001C	3.00631e+006	0						
19	2408247-002C	3.22458e+006	0						
20	2408247-002CMS	3.26737e+006	0						
21	2408247-002CMSD	3.3179e+006	0						
22	2408247-003C	3.22936e+006	0						
23	CCV-C	4.22465e+006	0						
24	CCB-C	4.12764e+006	0						
25	2408247-004C	3.21348e+006	0						
26	2408312-001D	4.2164e+006	0						
27	2408312-002D	4.12047e+006	0						
28	2408312-003D	4.17874e+006	0						
29	2408312-004D	4.00582e+006	0						
30	CCV-D	4.18556e+006	0						
31	CCB-D	4.3607e+006	0						
32	LDR	4.01885e+006	0						
33	ICV	3.96502e+006	0						
34	ICSA	3.84382e+006	0						

IS5 Terbium = Terbium

AREA UPPER LIMIT = +400% of internal standard area
AREA LOWER LIMIT = -70% of internal standard area
RT UPPER LIMIT = +1.00 minutes of internal standard RT

INTERNAL STANDARD AREA AND RT SUMMARY

RunID:	ICP-MS 2 AGILENT 7850_240821F	CCV Name:	CAL BLANK
Run No:	93809	CCV SeqNo:	1959075
Lab File ID (Standard):	003CALB.d	Date Analyzed:	8/21/2024
Instrument ID:	ICP-MS 2 Agilent 7850	Time Analyzed:	8:41
GC Column:	ID (mm):	Length (M):	

RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_240821F

CCV Name: CAL BLANK

Run No: 93809

CCV SeqNo: 1959752

Lab File ID (Standard): 003CALB.d

Date Analyzed: 8/22/2024

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 12:14

GC Column: ID (mm): Length (M):

		IS1 Lithium 6 AREA #	RT #	IS2 Scandium AREA #	RT #	IS3 Germanium AREA #	RT #	IS4 Indium AREA #	RT #
	12 HOUR STD	1478236.95	0.000	138111.15	0.000	106263.47	0.000	1266419.82	0.000
	UPPER LIMIT	7391184.75	1.000	690555.75	1.000	531317.35	1.000	6332099.1	1.000
	LOWER LIMIT	443471	-1.000	41433	-1.000	31879	-1.000	379926	-1.000
	SAMPLE NO.								
01	ICV	1.51427e+006	0	142258	0	107399	0	1.21994e+006	0
02	ICSA	1.49676e+006	0	139882	0	106586	0	1.13158e+006	0
03	CCV-A	1.50582e+006	0	137187	0	107129	0	1.2276e+006	0
04	CCB-A	1.49399e+006	0	133857	0	105444	0	1.24704e+006	0
05	MB-44939	1.52001e+006	0	136494	0	105849	0	1.20611e+006	0
06	CCV-B	1.5858e+006	0	138859	0	106927	0	1.23258e+006	0
07	CCB-B	1.44693e+006	0	136195	0	106026	0	1.2343e+006	0
08	2408246-002C	1.50421e+006	0	135381	0	104638	0	1.20352e+006	0
09	2408246-004C	1.39373e+006	0	145164	0	110568	0	1.18846e+006	0
10	2408246-005C	1.49932e+006	0	150522	0	113864	0	1.22067e+006	0
11	2408246-006C	1.48016e+006	0	153306	0	112127	0	1.19449e+006	0
12	2408246-007C	1.4762e+006	0	155745	0	115464	0	1.23332e+006	0
13	2408246-008C	1.59809e+006	0	161423	0	119827	0	1.31114e+006	0
14	2408247-001C	1.32324e+006	0	150872	0	102687	0	1.00868e+006	0
15	2408247-002C	1.39926e+006	0	159608	0	111913	0	1.07889e+006	0
16	CCV-C	1.8863e+006	0	188471	0	137216	0	1.49479e+006	0
17	CCB-C	1.79208e+006	0	185966	0	136094	0	1.48769e+006	0
18	CCV-C	1.77682e+006	0	178327	0	131808	0	1.50261e+006	0
19	CCV-C	1.77882e+006	0	173976	0	128081	0	1.44684e+006	0
20	2408247-002CMS	1.34203e+006	0	155238	0	108951	0	1.07082e+006	0
21	2408247-002CMSD	1.42235e+006	0	162854	0	114500	0	1.11986e+006	0
22	2408247-003C	1.39894e+006	0	167161	0	117147	0	1.1374e+006	0
23	2408247-004C	1.97341e+006	0	204897	0	147027	0	1.59497e+006	0
24	CCV-D	1.9099e+006	0	164086	0	124180	0	1.41648e+006	0
25	CCV-D	1.86632e+006	0	160092	0	122623	0	1.37499e+006	0
26	MB-44951	1.74272e+006	0	156047	0	120655	0	1.38875e+006	0
27	CCB-D	1.70999e+006	0	153113	0	120496	0	1.42093e+006	0

IS1 Lithium 6 = Lithium 6
IS2 Scandium = Scandium
IS3 Germanium = germanium
IS4 Indium = Indium

AREA UPPER LIMIT = +400% of internal standard area
AREA LOWER LIMIT = -70% of internal standard area
RT UPPER LIMIT = +1.00 minutes of internal standard RT
RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_240821F

CCV Name: CAL BLANK

Run No: 93809

CCV SeqNo: 1959752

Lab File ID (Standard): 003CALB.d

Date Analyzed: 8/22/2024

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 12:14

GC Column: ID (mm): Length (M):

		IS5 Terbium AREA #	RT #						
	12 HOUR STD	3489506.33	0.000						
	UPPER LIMIT	17447531.65	1.000						
	LOWER LIMIT	1046852	-1.000						
	SAMPLE NO.								
01	ICV	3.53821e+006	0						
02	ICSA	3.32814e+006	0						
03	CCV-A	3.55153e+006	0						
04	CCB-A	3.46345e+006	0						
05	MB-44939	3.53508e+006	0						
06	CCV-B	3.53019e+006	0						
07	CCB-B	3.54493e+006	0						
08	2408246-002C	3.48319e+006	0						
09	2408246-004C	3.4251e+006	0						
10	2408246-005C	3.46248e+006	0						
11	2408246-006C	3.4078e+006	0						
12	2408246-007C	3.36074e+006	0						
13	2408246-008C	3.56791e+006	0						
14	2408247-001C	2.79681e+006	0						
15	2408247-002C	2.95243e+006	0						
16	CCV-C	3.77366e+006	0						
17	CCB-C	3.8263e+006	0						
18	CCV-C	3.80667e+006	0						
19	CCV-C	3.7488e+006	0						
20	2408247-002CMS	3.01132e+006	0						
21	2408247-002CMSD	3.01758e+006	0						
22	2408247-003C	3.04865e+006	0						
23	2408247-004C	3.76012e+006	0						
24	CCV-D	3.85566e+006	0						
25	CCV-D	3.86516e+006	0						
26	MB-44951	3.80672e+006	0						
27	CCB-D	3.8836e+006	0						

IS5 Terbium = Terbium

AREA UPPER LIMIT = +400% of internal standard area
AREA LOWER LIMIT = -70% of internal standard area
RT UPPER LIMIT = +1.00 minutes of internal standard RT
RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Supporting Data

3010A Dissolved Metals in Water Prep Bench Sheet

Analyst:	Connor Gorsuch
Date and Time:	8/21/2024
Batch:	449135

Equipment	
Pipette:	42
Other:	

Final Volume Before Analysis	10mL

Spikes / Chemicals / Reagents	Omega ID	Amount Used
Metals Water Spike	3015T	0.2 mL
EAL-STD-2	29587	0.1 mL
500 ppb Hg Standard	3025G	0.05 mL
10mL Tubes	8376	
pH Strips	30192	3 of 10

Notes/Modifications

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date
	CG 8/21/2024

Samples verified pH < 2	Initial/Date
	CG 8/21/2024

Sign and date below if you contributed to this preparation batch
CG 8/21/2024

Dilutions	
Sample ID	Dilution Description

Signature: ADK

Fremont Analytical, Inc

PREP BATCH REPORT

Prep Start Date: **8/21/2024 10:29:52**
Prep End Date:
Technician: **Cammeo Gaviota**

Prep Factor Units: **mL / mL**

Prep Batch ID: **44939** Prep Code: **PREP-3010-D** Method No: **SW3010A**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-44939		Aqueous	10	10	1.000	8/21/2024	Preliminary
LCS-44939		Aqueous	10	10	1.000	8/21/2024	Preliminary
2408246-001C	GW-MW501-0824	Water	10	10	1.000	8/21/2024	Preliminary
2408246-001CDUP		Water	10	10	1.000	8/21/2024	Preliminary
2408246-001CMS		Water	10	10	1.000	8/21/2024	Preliminary
2408246-002C	GW-MW502-0824	Water	10	10	1.000	8/21/2024	Preliminary
2408246-003C	GW-MW503-0824	Water	10	10	1.000	8/21/2024	Preliminary
2408246-004C	GW-MW504-0824	Water	10	10	1.000	8/21/2024	Preliminary
2408246-005C	GW-MW505-0824	Water	10	10	1.000	8/21/2024	Preliminary
2408246-006C	GW-MW506-0824	Water	10	10	1.000	8/21/2024	Preliminary
2408246-007C	GW-MW506-0824-01	Water	10	10	1.000	8/21/2024	Preliminary
2408246-008C	GW-MW201-0824	Water	10	10	1.000	8/21/2024	Preliminary
2408247-001C	GW-MW401-0824	Water	10	10	1.000	8/21/2024	Preliminary
2408247-002C	GW-MW402-0824	Water	10	10	1.000	8/21/2024	Preliminary
2408247-002CMS		Water	10	10	1.000	8/21/2024	Preliminary
2408247-002CMSD		Water	10	10	1.000	8/21/2024	Preliminary
2408247-003C	GW-MW402-0824-01	Water	10	10	1.000	8/21/2024	Preliminary
2408247-004C	GW-MW403-0824	Water	10	10	1.000	8/21/2024	Preliminary
2408312-001D	GEI-11_082024	Water	10	10	1.000	8/21/2024	Preliminary
2408312-002D	GEI-12_082024	Water	10	10	1.000	8/21/2024	Preliminary
2408312-003D	GEI-13_082024	Water	10	10	1.000	8/21/2024	Preliminary
2408312-004D	Dup_082024	Water	10	10	1.000	8/21/2024	Preliminary



Fremont Analytical, Inc

PREP BATCH REPORT

Prep Start Date: **8/21/2024 10:29:52**
Prep End Date: **8/21/2024 4:03:17 P**
Technician: **Cammeo Gaviota**

Prep Factor Units: **mL / mL**

Prep Batch ID: **44939** Prep Code: **PREP-3010-D** Method No: **SW3010A**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-44939		Aqueous	10	10	1.000	8/21/2024	8/21/2024
LCS-44939		Aqueous	10	10	1.000	8/21/2024	8/21/2024
2408246-001C	GW-MW501-0824	Water	10	10	1.000	8/21/2024	8/21/2024
2408246-001CDUP		Water	10	10	1.000	8/21/2024	8/21/2024
2408246-001CMS		Water	10	10	1.000	8/21/2024	8/21/2024
2408246-002C	GW-MW502-0824	Water	10	10	1.000	8/21/2024	8/21/2024
2408246-003C	GW-MW503-0824	Water	10	10	1.000	8/21/2024	8/21/2024
2408246-004C	GW-MW504-0824	Water	10	10	1.000	8/21/2024	8/21/2024
2408246-005C	GW-MW505-0824	Water	10	10	1.000	8/21/2024	8/21/2024
2408246-006C	GW-MW506-0824	Water	10	10	1.000	8/21/2024	8/21/2024
2408246-007C	GW-MW506-0824-01	Water	10	10	1.000	8/21/2024	8/21/2024
2408246-008C	GW-MW201-0824	Water	10	10	1.000	8/21/2024	8/21/2024
2408247-001C	GW-MW401-0824	Water	10	10	1.000	8/21/2024	8/21/2024
2408247-002C	GW-MW402-0824	Water	10	10	1.000	8/21/2024	8/21/2024
2408247-002CMS		Water	10	10	1.000	8/21/2024	8/21/2024
2408247-002CMSD		Water	10	10	1.000	8/21/2024	8/21/2024
2408247-003C	GW-MW402-0824-01	Water	10	10	1.000	8/21/2024	8/21/2024
2408247-004C	GW-MW403-0824	Water	10	10	1.000	8/21/2024	8/21/2024
2408312-001D	GEI-11_082024	Water	10	10	1.000	8/21/2024	8/21/2024
2408312-002D	GEI-12_082024	Water	10	10	1.000	8/21/2024	8/21/2024
2408312-003D	GEI-13_082024	Water	10	10	1.000	8/21/2024	8/21/2024
2408312-004D	Dup_082024	Water	10	10	1.000	8/21/2024	8/21/2024
2408246-001CMSDIL		Water	10	10	1.000	8/21/2024	8/21/2024

Reporting Checklist

Analyst: Melanie
Workorder(s): 2408246, 247, 312
Date: 08/22/2024
Prep #: 44939
Run(s) #: 93809
Analysis: M-6020-D

Y/N		Reviewed
Y	**Run complete? (i.e., all QC, samples, dilutions present)**	
N	**All QC within limits?** ☐ Exceedances acceptable per QA Manual and/or Auth'd by PM____?	

☑CCV out ☐LCS out ☑MS out ☑Blank hits ☐IS/surr out ☐RPD out
☐Hold time ☑Other LLCV

B-flags for Zn, re-ran MB and resolved flags
CCV-B failed low for Ni, re-ran affected samples
CCV-C ins second half failed low for Ni, ran two consecutive CCV's that recovered within range

N Any pending dilutions, re-extracts, or reanalysis to be completed in future run?

N/A **Manual entries/narratives reviewed for accuracy? (note below)** Analyst: Reviewer:

✔ **Omega checks performed?**
- ✔ SampID, Test Code, Type, Prep
- ✔ PMOIST, pH
- ✔ BLKref, SPKref, RPDref, CCVref
- ✔ Attachments
  - ☐Sequence ☐Cgrams ☑Bench Sheets ☐Perf Checks ☑Tech Doc
- ✔ Related Info
  - ☐ICAL Ref ☐ICAL Ack/QA'd? ☑Spiking Info/CCV Std ☐_____
- ✔ Reporting Checks
  - ☐Dilutions data/narr redundancy check ☐RLs OK (low wt, high pmoist, dilutions)

Notes for Reviewer

Accidentally ran two CCV's instead of CCV/B pair at end of run. I've included MB that ran after as well as a CCB ran immediately after

By signing, I attest that I have followed the SOP

Melanie Esparza 08/22/2024
Analyst Date

mwdl 8/22/24
Reviewer Date

DATA SET for Review - Deliverable Requirements

EDB by EPA 8011

Fremont Analytical Work Order No. 2408312

GeoEngineers

Project Name: 701/709 South Jackson

Project Number: 24504-001-04

This data set contains the following:

- Analytical Sequence Summary
- Calibration Information

Injection Log

Data Directory: D:\GC-25\Data\2024\082324\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	082301.D	PCB_GC25_PEST_190228.M			
co			150	1.000	23 Aug 2024 08:29 am
2)	082302.D	PCB_GC25_PEST_190228.M			
co			150	1.000	23 Aug 2024 08:38 am
3)	082303.D	PCB_GC25_PEST_190228.M			
deg check			1	1.000	23 Aug 2024 08:48 am
4)	082304.D	PCB_GC25_PEST_190228.M			
co			150	1.000	23 Aug 2024 08:58 am
5)	082305.D	PCB_GC25_PEST_190228.M			
LAD PEST IDC 1			3	1.000	23 Aug 2024 09:07 am
6)	082306.D	PCB_GC25_PEST_190228.M			
co			150	1.000	23 Aug 2024 09:17 am
7)	082307.D	PCB_GC25_PEST_190228.M			
LAD PEST IDC 2			3	1.000	23 Aug 2024 09:26 am
8)	082308.D	PCB_GC25_PEST_190228.M			
co			150	1.000	23 Aug 2024 09:36 am
9)	082309.D	PCB_GC25_PEST_190228.M			
LAD PEST IDC 3			3	1.000	23 Aug 2024 09:45 am
10)	082310.D	PCB_GC25_PEST_190228.M			
co			150	1.000	23 Aug 2024 09:55 am
11)	082311.D	PCB_GC25_PEST_190228.M			
LAD PEST IDC 4			3	1.000	23 Aug 2024 10:05 am
12)	082312.D	PCB_GC25_PEST_190228.M			
co			150	1.000	23 Aug 2024 11:14 am
13)	082313.D	PCB_GC25_PEST_190228.M			
PEST-CCV-			3	1.000	23 Aug 2024 11:24 am
14)	082314.D	PCB_GC25_PEST_190228.M			
co			150	1.000	23 Aug 2024 11:33 am
15)	082315.D	PCB_GC25_PEST_190228.M			
TOX-CCV-			4	1.000	23 Aug 2024 11:43 am
16)	082316.D	PCB_GC25_PEST_190228.M			
co			150	1.000	23 Aug 2024 11:52 am
17)	082317.D	PCB_GC25_PEST_190228.M			
CHLOR-CCV-			5	1.000	23 Aug 2024 12:02 pm
18)	082318.D	PCB_GC25_PEST_190228.M			
co			150	1.000	23 Aug 2024 12:47 pm
19)	082319.D	PCB_GC25_PEST_190228.M			
co			150	1.000	23 Aug 2024 12:57 pm
20)	082320.D	PCB_GC25_PEST_190228.M			
LAD TOX IDC 1			4	1.000	23 Aug 2024 01:07 pm
21)	082321.D	PCB_GC25_PEST_190228.M			
co			150	1.000	23 Aug 2024 01:16 pm

22) 082322.D PCB_GC25_PEST_190228.M
LAD CHLOR IDC 1 5 1.000 23 Aug 2024 01:26 pm

23) 082323.D PCB_GC25_PEST_190228.M
LAD TOX IDC 2 4 1.000 23 Aug 2024 01:39 pm

24) 082324.D PCB_GC25_PEST_190228.M
LAD TOX IDC 3 4 1.000 23 Aug 2024 01:49 pm

25) 082325.D PCB_GC25_PEST_190228.M
LAD TOX IDC 4 4 1.000 23 Aug 2024 01:58 pm

26) 082326.D PCB_GC25_PEST_190228.M
LAD CHLOR IDC 2 5 1.000 23 Aug 2024 02:10 pm

27) 082327.D PCB_GC25_PEST_190228.M
LAD CHLOR IDC 3 5 1.000 23 Aug 2024 02:19 pm

28) 082328.D PCB_GC25_PEST_190228.M
LAD CHLOR IDC 4 5 1.000 23 Aug 2024 02:29 pm

29) 082329.D PCB_GC25_PEST_190228.M
co 150 1.000 23 Aug 2024 02:59 pm

30) 082330.D 8011.M
co 150 1.000 23 Aug 2024 03:11 pm

31) 082331.D 8011.M
co 150 1.000 23 Aug 2024 03:20 pm

32) 082332.D 8011.M
co 150 1.000 23 Aug 2024 03:37 pm

33) 082333.D 8011.M
CAL 1 0.01 101 1.000 23 Aug 2024 03:45 pm

34) 082334.D 8011.M
CAL 2 0.02 102 1.000 23 Aug 2024 03:53 pm

35) 082335.D 8011.M
CAL 3 0.1 103 1.000 23 Aug 2024 04:01 pm

36) 082336.D 8011.M
CAL 4 0.2 104 1.000 23 Aug 2024 04:09 pm

37) 082337.D 8011.M
CAL 5 0.5 105 1.000 23 Aug 2024 04:18 pm

38) 082338.D 8011.M
CAL 6 1.0 106 1.000 23 Aug 2024 04:26 pm

39) 082339.D 8011.M
CAL 7 2.0 107 1.000 23 Aug 2024 04:34 pm

40) 082340.D 8011.M
ICV 108 1.000 23 Aug 2024 04:42 pm

41) 082341.D 8011.M
ICB 109 1.000 23 Aug 2024 04:50 pm

Injection Log

Data Directory: D:\GC-25\Data\2024\082624\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	082601.D	PCB_GC25_PEST_190228.M			
co			150	1.000	26 Aug 2024 08:02 am
2)	082602.D	PCB_GC25_PEST_190228.M			
co			150	1.000	26 Aug 2024 08:12 am
3)	082603.D	PCB_GC25_PEST_190228.M			
deg check			1	1.000	26 Aug 2024 08:22 am
4)	082604.D	PCB_GC25_PEST_190228.M			
co			150	1.000	26 Aug 2024 08:31 am
5)	082605.D	PCB_GC25_PEST_190228.M			
PEST-CCV-			3	1.000	26 Aug 2024 08:41 am
6)	082606.D	PCB_GC25_PEST_190228.M			
TOX-CCV-			4	1.000	26 Aug 2024 09:11 am
7)	082607.D	PCB_GC25_PEST_190228.M			
LAD CHLOR IDC 1			5	1.000	26 Aug 2024 09:21 am
8)	082608.D	PCB_GC25_PEST_190228.M			
MB-44958			51	1.000	26 Aug 2024 10:05 am
9)	082609.D	PCB_GC25_PEST_190228.M			
PEST MDL			59	1.000	26 Aug 2024 10:15 am
10)	082610.D	PCB_GC25_PEST_190228.M			
TOX MDL			60	1.000	26 Aug 2024 10:25 am
11)	082611.D	PCB_GC25_PEST_190228.M			
TOX LOQ			61	1.000	26 Aug 2024 10:34 am
12)	082612.D	PCB_GC25_PEST_190228.M			
CHLOR MDL			62	1.000	26 Aug 2024 10:44 am
13)	082613.D	PCB_GC25_PEST_190228.M			
PEST-CCV-			3	1.000	26 Aug 2024 10:53 am
14)	082614.D	PCB_GC25_PEST_190228.M			
co			150	1.000	26 Aug 2024 11:03 am
15)	082615.D	8011.M			
co			150	1.000	26 Aug 2024 11:15 am
16)	082616.D	8011.M			
co			150	1.000	26 Aug 2024 11:24 am
17)	082617.D	8011.M			
CO 8011 IDC 1			2	1.000	26 Aug 2024 11:32 am
18)	082618.D	8011.M			
co			150	1.000	26 Aug 2024 11:40 am
19)	082619.D	8011.M			
CO 8011 IDC 2			2	1.000	26 Aug 2024 11:48 am
20)	082620.D	8011.M			
co			150	1.000	26 Aug 2024 11:57 am
21)	082621.D	8011.M			
CO 8011 IDC 3			2	1.000	26 Aug 2024 12:05 pm

22) 082622.D 8011.M
co 150 1.000 26 Aug 2024 12:13 pm
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23) 082623.D 8011.M
CO 8011 IDC 4 2 1.000 26 Aug 2024 12:21 pm
---
24) 082624.D 8011.M
co 150 1.000 26 Aug 2024 12:30 pm
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25) 082625.D PCB_GC25_PEST_190228.M
co 150 1.000 26 Aug 2024 12:54 pm
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26) 082626.D PCB_GC25_PEST_190228.M
co 150 1.000 26 Aug 2024 01:04 pm
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27) 082627.D PCB_GC25_PEST_190228.M
co 150 1.000 26 Aug 2024 01:14 pm
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28) 082628.D PCB_GC25_PEST_190228.M
CHLOR LOQ 63 1.000 26 Aug 2024 01:23 pm
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29) 082629.D PCB_GC25_PEST_190228.M
co 150 1.000 26 Aug 2024 01:33 pm
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30) 082630.D 8011.M
co 150 1.000 26 Aug 2024 01:46 pm
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31) 082631.D 8011.M
MB-44994 11 1.000 26 Aug 2024 01:54 pm
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32) 082632.D 8011.M
LCS-44994 12 1.000 26 Aug 2024 02:02 pm
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33) 082633.D 8011.M
LCSD-44994 13 1.000 26 Aug 2024 02:10 pm
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34) 082634.D 8011.M
2408312-001E 14 1.000 26 Aug 2024 02:19 pm
---
35) 082635.D 8011.M
2408312-002E 15 1.000 26 Aug 2024 02:27 pm
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36) 082636.D 8011.M
2408312-003E 16 1.000 26 Aug 2024 02:35 pm
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37) 082637.D 8011.M
2408312-004E 17 1.000 26 Aug 2024 02:44 pm
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38) 082638.D 8011.M
2407014-003A 18 1.000 26 Aug 2024 02:52 pm
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39) 082639.D 8011.M
2407018-020A 19 1.000 26 Aug 2024 03:00 pm
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40) 082640.D 8011.M
co 150 1.000 26 Aug 2024 03:08 pm
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41) 082641.D 8011.M
8011-CCV- 2 1.000 26 Aug 2024 03:17 pm
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42) 082642.D 8011.M
co 149 1.000 26 Aug 2024 03:25 pm
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43) 082643.D PCB_GC25_PEST_190228.M
co 150 1.000 26 Aug 2024 03:33 pm
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44) 082644.D PCB_GC25_PEST_190228.M
co 150 1.000 26 Aug 2024 03:43 pm
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45) 082645.D PCB_GC25_PEST_190228.M

co 150 1.000 26 Aug 2024 03:53 pm

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46) 082646.D PCB_GC25_PEST_190228.M
LCS1-44959 52 1.000 26 Aug 2024 04:02 pm

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47) 082647.D PCB_GC25_PEST_190228.M
LCS2-44959 53 1.000 26 Aug 2024 04:12 pm

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48) 082648.D PCB_GC25_PEST_190228.M
LCS3-44959 54 1.000 26 Aug 2024 04:21 pm

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49) 082649.D PCB_GC25_PEST_190228.M
2408368-001A 55 1.000 26 Aug 2024 04:31 pm

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50) 082650.D PCB_GC25_PEST_190228.M
2408369-001A 56 1.000 26 Aug 2024 04:41 pm

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51) 082651.D PCB_GC25_PEST_190228.M
2408369-001ADUP 57 1.000 26 Aug 2024 04:50 pm

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52) 082652.D PCB_GC25_PEST_190228.M
2408373-001B 58 1.000 26 Aug 2024 05:00 pm

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53) 082653.D PCB_GC25_PEST_190228.M
co 150 1.000 26 Aug 2024 05:10 pm

---

54) 082654.D PCB_GC25_PEST_190228.M
co 150 1.000 26 Aug 2024 05:19 pm

---

55) 082655.D PCB_GC25_PEST_190228.M
co 150 1.000 26 Aug 2024 05:29 pm

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56) 082656.D PCB_GC25_PEST_190228.M
PEST-CCV- 3 1.000 26 Aug 2024 05:38 pm

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57) 082657.D PCB_GC25_PEST_190228.M
LAD CHLOR IDC 2 5 1.000 26 Aug 2024 05:48 pm

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58) 082658.D PCB_GC25_PEST_190228.M
LAD CHLOR IDC 3 5 1.000 26 Aug 2024 05:57 pm

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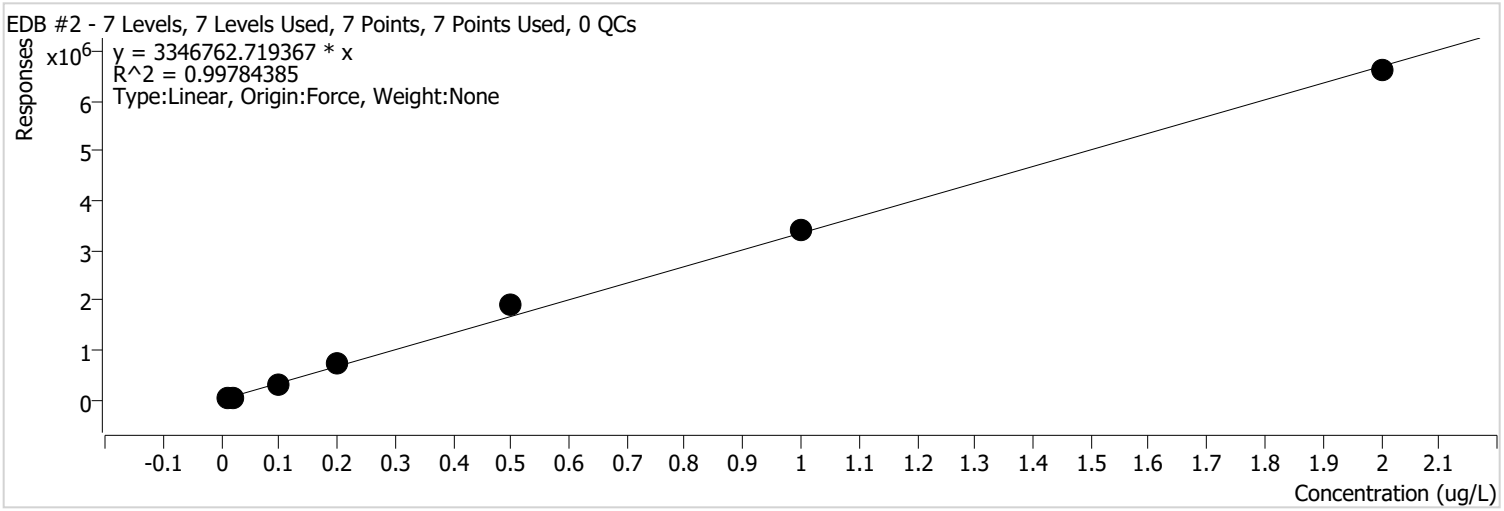
59) 082659.D PCB_GC25_PEST_190228.M
LAD CHLOR IDC 4 5 1.000 26 Aug 2024 06:07 pm

Calibration

Calibration Report

Batch Path	D:\GC-25\Data\2024\082324\QuantResults\8011 ICAL.batch.bin		
Analysis Time	8/26/2024 2:33 PM	**Analyst Name**	FA\GC1625
Report Time	8/26/2024 2:35:15 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/26/2024 2:30 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

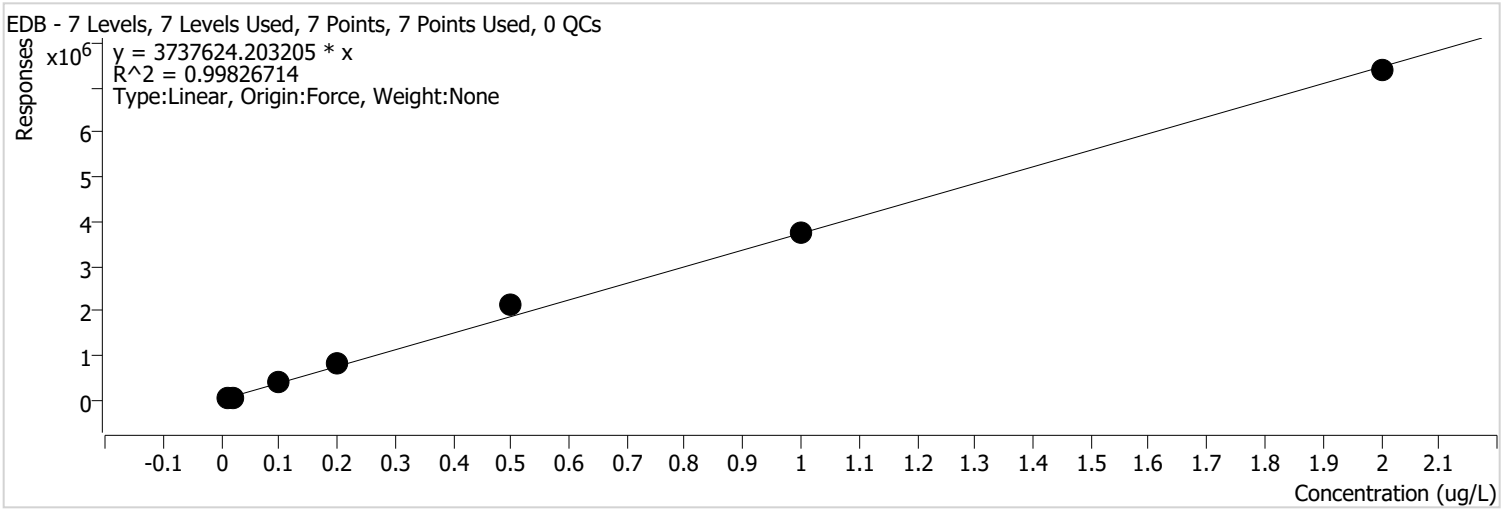
EDB #2 %RSE = 33.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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D:\GC-25\Data\2024\082324\082334.D	Calibration	2	x	30454	0.0200	1522712.5000	
D:\GC-25\Data\2024\082324\082335.D	Calibration	3	x	324795	0.1000	3247954.6017	
D:\GC-25\Data\2024\082324\082336.D	Calibration	4	x	713078	0.2000	3565389.6789	
D:\GC-25\Data\2024\082324\082337.D	Calibration	5	x	1923286	0.5000	3846571.8151	
D:\GC-25\Data\2024\082324\082338.D	Calibration	6	x	3392660	1.0000	3392659.9055	
D:\GC-25\Data\2024\082324\082339.D	Calibration	7	x	6604670	2.0000	3302335.2388	

Batch Path	D:\GC-25\Data\2024\082324\QuantResults\8011 ICAL.batch.bin		
Analysis Time	8/26/2024 2:33 PM	**Analyst Name**	FA\GC1625
Report Time	8/26/2024 2:35:16 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/26/2024 2:30 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

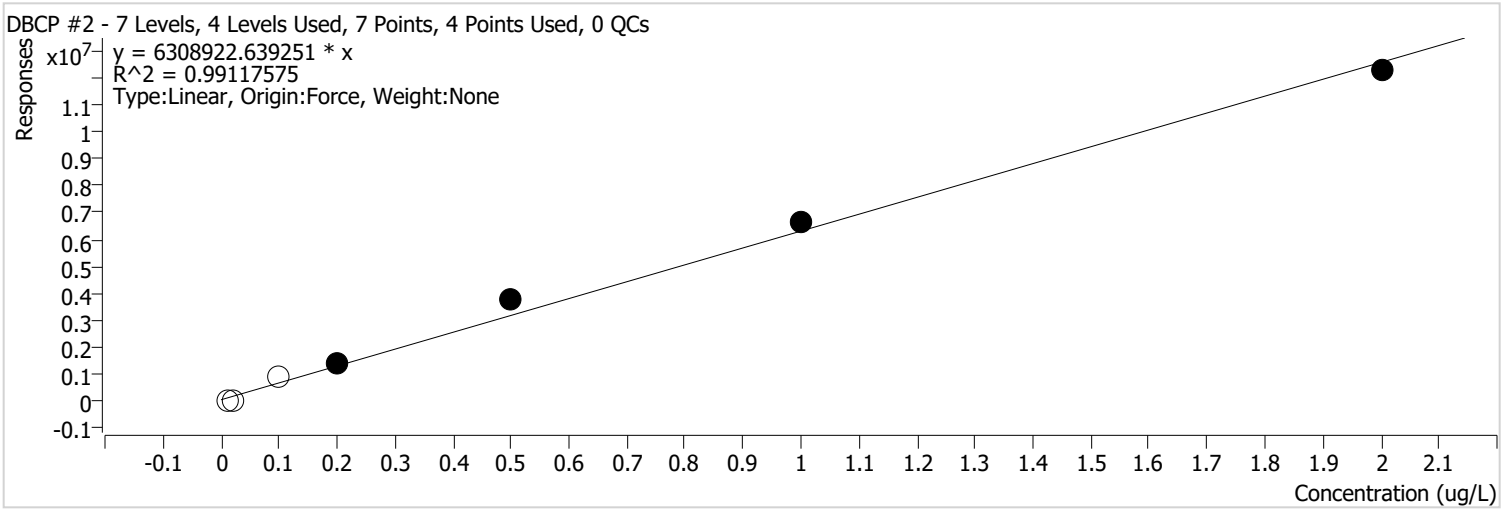
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Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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D:\GC-25\Data\2024\082324\082334.D	Calibration	2	x	41437	0.0200	2071845.0000	
D:\GC-25\Data\2024\082324\082335.D	Calibration	3	x	373150	0.1000	3731498.4358	
D:\GC-25\Data\2024\082324\082336.D	Calibration	4	x	801318	0.2000	4006589.0000	
D:\GC-25\Data\2024\082324\082337.D	Calibration	5	x	2119111	0.5000	4238221.7500	
D:\GC-25\Data\2024\082324\082338.D	Calibration	6	x	3778400	1.0000	3778399.7750	
D:\GC-25\Data\2024\082324\082339.D	Calibration	7	x	7387336	2.0000	3693668.1875	

Batch Path	D:\GC-25\Data\2024\082324\QuantResults\8011 ICAL.batch.bin		
Analysis Time	8/26/2024 2:33 PM	**Analyst Name**	FA\GC1625
Report Time	8/26/2024 2:35:16 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/26/2024 2:30 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

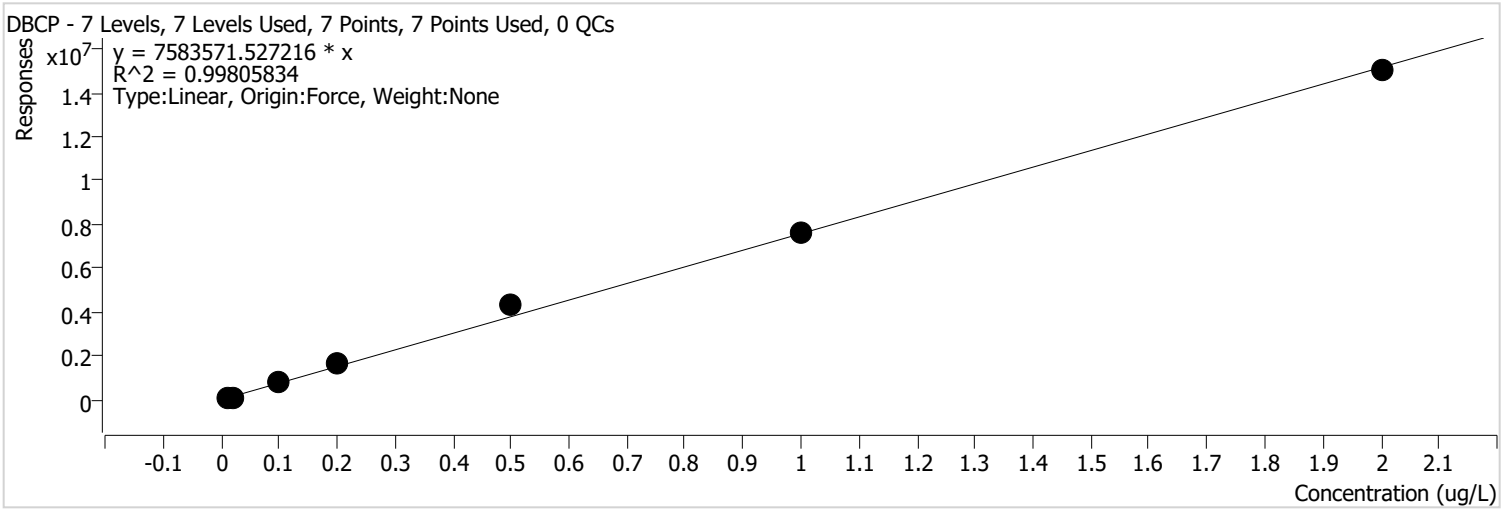
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D:\GC-25\Data\2024\082324\082334.D	Calibration	2		0	0.0200	0.0000	
D:\GC-25\Data\2024\082324\082335.D	Calibration	3		817341	0.1000	8173413.0718	
D:\GC-25\Data\2024\082324\082336.D	Calibration	4	x	1407404	0.2000	7037018.7500	
D:\GC-25\Data\2024\082324\082337.D	Calibration	5	x	3761693	0.5000	7523386.9465	
D:\GC-25\Data\2024\082324\082338.D	Calibration	6	x	6613021	1.0000	6613020.9250	
D:\GC-25\Data\2024\082324\082339.D	Calibration	7	x	12299426	2.0000	6149713.0875	

Batch Path	D:\GC-25\Data\2024\082324\QuantResults\8011 ICAL.batch.bin		
Analysis Time	8/26/2024 2:33 PM	**Analyst Name**	FA\GC1625
Report Time	8/26/2024 2:35:16 PM	**Reporter Name**	FA\GC1625
Last Calib Update	8/26/2024 2:30 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

DBCP %RSE = 20.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-25\Data\2024\082324\082333.D	Calibration	1	x	53450	0.0100	5345012.4600	
D:\GC-25\Data\2024\082324\082334.D	Calibration	2	x	110593	0.0200	5529644.5577	
D:\GC-25\Data\2024\082324\082335.D	Calibration	3	x	807044	0.1000	8070436.3963	
D:\GC-25\Data\2024\082324\082336.D	Calibration	4	x	1716826	0.2000	8584129.6687	
D:\GC-25\Data\2024\082324\082337.D	Calibration	5	x	4320925	0.5000	8641850.8066	
D:\GC-25\Data\2024\082324\082338.D	Calibration	6	x	7589882	1.0000	7589882.4190	
D:\GC-25\Data\2024\082324\082339.D	Calibration	7	x	15009780	2.0000	7504889.9624	

8011 Calibration

Date: 8/23/24 **8011 1000 ppb (CAL):** 29941

Analyst: Clare O **8011 1000 ppb (SS):** 24702

Hexane: 8218

Spike Conc. (ppb)	Spike (uL)	SS spike (uL)	Final Vol. (mL)	Comments
0.01	0.5	-	50	
0.02	1	-	50	
0.1	5	-	50	
0.2	10	-	50	
0.5	25	-	50	
1	50	-	50	
2	100	-	50	
ICB	-	-	50	
ICV (1.0)	-	50	50	

Signature and Date: Clare O'Connor ~~8/24~~ 8/23/24
CO 8/23

Supporting Data

Fremont Analytical, Inc

PREP BATCH REPORT

Prep Start Date: **8/26/2024 12:08:27**
Prep End Date:
Technician: **Clare OConnor**

Prep Factor Units:
mL / mL

Prep Batch ID: **44994** Prep Code: **PREP-8011-W** Method No: **SW8011**

GC-25

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
11 MB-44994		Water	49.84	50	1.003	8/26/2024	Preliminary
12 LCS-44994		Water	50.22	50	0.996	8/26/2024	Preliminary
13 LCSD-44994		Water	50.13	50	0.997	8/26/2024	Preliminary
14 2408312-001E	GEI-11_082024	Water	50.77	50	0.985	8/26/2024	Preliminary
15 2408312-002E	GEI-12_082024	Water	52.44	50	0.953	8/26/2024	Preliminary
16 2408312-003E	GEI-13_082024	Water	50.8	50	0.984	8/26/2024	Preliminary
17 2408312-004E	Dup_082024	Water	54.91	50	0.911	8/26/2024	Preliminary
18 2407014-003A	MDL-1 8011	Unknown	50	50	1.000	8/26/2024	Preliminary
19 2407018-019A	LOD - 8011	Unknown	50	50	1.000	8/26/2024	Preliminary
20 2407018-020A	LOQ - 8011	Unknown	50	50	1.000	8/26/2024	Preliminary

CC 8/26

Ran 8/26

8011 Water Prep Bench Sheet

Analyst:	Clare O
Date and Time:	8/26/24
Batch:	44994

Equipment	
Type	ID
Balance:	2
Solvent Dispenser:	2
Other:	

Spikes / Chemicals / Reagents	Omega ID	Amount Used
CCV 8011 Tertiary Spike 1 mg/L	29941	50 µL
LCS 8011 Tertiary Spike 1 mg/L	29941	12.5 µL
Baked Sodium Chloride	5683	7g
Hexanes	8218	2mL

Notes/Modifications

Final Volume Before Analysis	2 mL

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date
	CO 8/26/24

Sign and date below if you contributed to this preparation batch
Clare O'Connor 8/26/24

Dilutions	
Sample ID	Dilution Description

Fremont Analytical, Inc

PREP BATCH REPORT

Prep Start Date: **8/26/2024 12:08:27**
Prep End Date: **8/26/2024 1:31:16 P**
Technician: **Clare OConnor**

Prep Factor Units:
mL / mL

Prep Batch ID: **44994** Prep Code: **PREP-8011-W** Method No: **SW8011**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-44994		Water	49.84	50	1.003	8/26/2024	8/26/2024
LCS-44994		Water	50.22	50	0.996	8/26/2024	8/26/2024
LCSD-44994		Water	50.13	50	0.997	8/26/2024	8/26/2024
2408312-001E	GEI-11_082024	Water	50.77	50	0.985	8/26/2024	8/26/2024
2408312-002E	GEI-12_082024	Water	52.44	50	0.953	8/26/2024	8/26/2024
2408312-003E	GEI-13_082024	Water	50.8	50	0.984	8/26/2024	8/26/2024
2408312-004E	Dup_082024	Water	54.91	50	0.911	8/26/2024	8/26/2024
2407014-003A	MDL-1 8011	Unknown	50	50	1.000	8/26/2024	8/26/2024
2407018-019A	LOD - 8011	Unknown	50	50	1.000	8/26/2024	8/26/2024
2407018-020A	LOQ - 8011	Unknown	50	50	1.000	8/26/2024	8/26/2024

Reporting Checklist

Analyst: Clare O
Date: 8/27/24
Prep #: 44994
Run(s) #: 93915

Workorder(s): 2408312, 07014, 018, CO IDCs
Analysis: O-8011-W

Y/N		Reviewed
Y	**Run complete? (i.e., all QC, samples, dilutions present)**	✔
Y	**All QC within limits?** [ ] Exceedances acceptable per QA Manual and/or Auth'd by PM____?	✔
	☐CCV out ☐LCS out ☐MS out ☐Blank hits ☐IS/surr out ☐RPD out ☐Hold time ☐Other_____	
N	Any pending dilutions, re-extracts, or reanalysis to be completed in future run?	
N/A	**Manual entries/narratives reviewed for accuracy? (note below)** Analyst: Reviewer:	
✔	**Omega checks performed?**	✔
✔	SampID, Test Code, Type, Prep	
✔	PMOIST, pH	
✔	BLKref, SPKref, RPDref, CCVref	
✔	Attachments	✔
	☑Sequence ☑Cgrams ☑Bench Sheets ☐Perf Checks ☑Tech Doc	
✔	Related Info	✔
	☑ICAL Ref ☑ICAL Ack/QA'd? ☑Spiking Info/CCV Std ☐_____	
✔	Reporting Checks	✔
	☐Dilutions data/narr redundancy check ☐RLs OK (low wt, high pmoist, dilutions)	

Notes for Reviewer

Using CO IDC 4 as opening CCV
Accidentally ran LOD level under the MDL sample number (07014-003, line 38 in injlog) but fixed it in Omega

By signing, I attest that I have followed the SOP

Clare O'Connor 8/27/24
Analyst Date

MG 8/27/2024
Reviewer Date

DATA SET for Review - Deliverable Requirements

Gasoline by NWTPH-Gx

Fremont Analytical Work Order No. 2408312

GeoEngineers

Project Name: 701/709 South Jackson

Project Number: 24504-001-04

This data set contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information
- Internal Standards Report

Injection Log

Data Directory: D:\GC-27\DATA\082124\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 082101.D	8260B_90to1.M			
R	O-VOC-W		1.000	21 Aug 2024 02:52 pm
2) 082102.D	8260B_90to1.M			
R	O-VOC-W		1.000	21 Aug 2024 03:19 pm
3) 082103.D	8260B_90to1.M			
R	O-VOC-W		1.000	21 Aug 2024 03:47 pm
4) 082104.D	8260B_90to1.M			
R	O-VOC-W		1.000	21 Aug 2024 04:14 pm
5) 082105.D	8260B_90to1.M			
R	O-VOC-W		1.000	21 Aug 2024 04:41 pm
6) 082106.D	8260B_90to1.M			
VOC W ICAL 1	O-VOC-W	1	1.000	21 Aug 2024 05:10 pm
7) 082107.D	8260B_90to1.M			
VOC W ICAL 1	O-VOC-W	2	1.000	21 Aug 2024 05:38 pm
8) 082108.D	8260B_90to1.M			
VOC W ICAL 1	O-VOC-W	3	1.000	21 Aug 2024 06:07 pm
9) 082109.D	8260B_90to1.M			
VOC W ICAL 1	O-VOC-W	4	1.000	21 Aug 2024 06:36 pm
10) 082110.D	8260B_90to1.M			
VOC W ICAL 1	O-VOC-W	5	1.000	21 Aug 2024 07:04 pm
11) 082111.D	8260B_90to1.M			
VOC W ICAL 1	O-VOC-W	6	1.000	21 Aug 2024 07:33 pm
12) 082112.D	8260B_90to1.M			
VOC W ICAL 1	O-VOC-W	7	1.000	21 Aug 2024 08:01 pm
13) 082113.D	8260B_90to1.M			
VOC W ICAL 1	O-VOC-W	8	1.000	21 Aug 2024 08:30 pm
14) 082114.D	8260B_90to1.M			
VOC W ICAL 1	O-VOC-W	9	1.000	21 Aug 2024 08:59 pm
15) 082115.D	8260B_90to1.M			
R	O-VOC-W		1.000	21 Aug 2024 09:26 pm
16) 082116.D	8260B_90to1.M			
R	O-VOC-W		1.000	21 Aug 2024 09:53 pm
17) 082117.D	8260B_90to1.M			
ICB	O-VOC-W	10	1.000	21 Aug 2024 10:22 pm
18) 082118.D	8260B_90to1.M			
ICV	O-VOC-W	11	1.000	21 Aug 2024 10:50 pm
19) 082119.D	8260B_90to1.M			
R	O-VOC-W		1.000	21 Aug 2024 11:18 pm
20) 082120.D	8260B_90to1.M			
R	O-VOC-W		1.000	21 Aug 2024 11:45 pm
21) 082121.D	8260B_90to1.M			
GX ICAL 1	O-VOC-GX-W	12	1.000	22 Aug 2024 12:14 am

22) 082122.D	8260B_90to1.M					
GX ICAL 2	O-VOC-GX-W	13	1.000	22 Aug 2024	12:42	am
23) 082123.D	8260B_90to1.M					
GX ICAL 3	O-VOC-GX-W	14	1.000	22 Aug 2024	01:11	am
24) 082124.D	8260B_90to1.M					
GX ICAL 4	O-VOC-GX-W	15	1.000	22 Aug 2024	01:39	am
25) 082125.D	8260B_90to1.M					
GX ICAL 5	O-VOC-GX-W	16	1.000	22 Aug 2024	02:08	am
26) 082126.D	8260B_90to1.M					
GX ICAL 6	O-VOC-GX-W	17	1.000	22 Aug 2024	02:37	am
27) 082127.D	8260B_90to1.M					
GX ICAL 7	O-VOC-GX-W	18	1.000	22 Aug 2024	03:05	am
28) 082128.D	8260B_90to1.M					
R	O-VOC-GX-W		1.000	22 Aug 2024	03:33	am
29) 082129.D	8260B_90to1.M					
R	O-VOC-GX-W		1.000	22 Aug 2024	04:00	am
30) 082130.D	8260B_90to1.M					
ICB	O-VOC-GX-W	19	1.000	22 Aug 2024	04:28	am
31) 082131.D	8260B_90to1.M					
ICV	O-VOC-GX-W	20	1.000	22 Aug 2024	11:16	am
32) 082132.D	8260B_90to1.M					
ICV REAL	O-VOC-GX-W	20	1.000	22 Aug 2024	11:44	am
33) 082133.D	8260B_90to1.M					
R	O-VOC-GX-W		1.000	22 Aug 2024	12:11	pm
34) 082201.D	8260B_90to1.M					
R	O-VOC-W		1.000	22 Aug 2024	01:16	pm
35) 082202.D	8260B_90to1.M					
VOC W CCV	O-VOC-GX-W	21	1.000	22 Aug 2024	01:44	pm

Injection Log

Data Directory: D:\GC-27\DATA\082324\

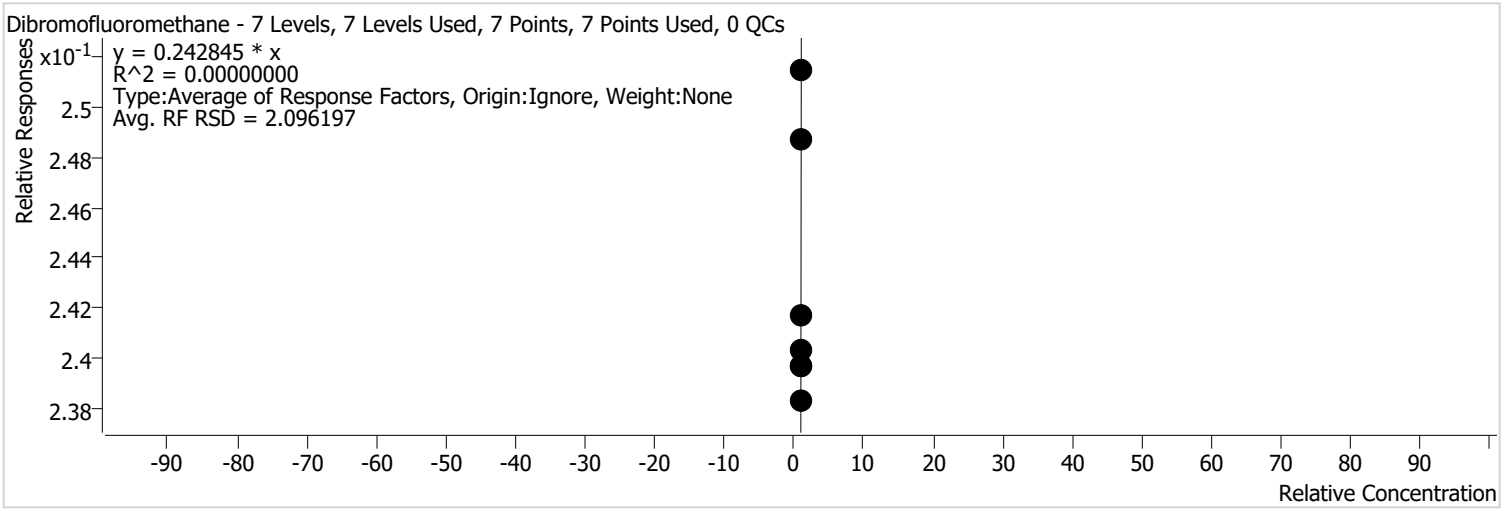
	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	082301.D	8260B_90to1.M			
R		O-VOC-W		1.000	23 Aug 2024 08:21 am
2)	082302.D	8260B_90to1.M			
R		O-VOC-W		1.000	23 Aug 2024 08:48 am
3)	082303.D	8260B_90to1.M			
VOC W CCV		O-VOC-W	1	1.000	23 Aug 2024 09:17 am
4)	082304.D	8260B_90to1.M			
VOC S CCV		O-VOC-W	2	1.000	23 Aug 2024 09:46 am
5)	082305.D	8260B_90to1.M			
GX CCV		O-VOC-W	3	1.000	23 Aug 2024 10:14 am
6)	082306.D	8260B_90to1.M			
R		O-VOC-W		1.000	23 Aug 2024 10:41 am
7)	082307.D	8260B_90to1.M			
MB W		O-VOC-W	4	1.000	23 Aug 2024 11:10 am
8)	082308.D	8260B_90to1.M			
2408318-001A 10x		O-VOC-W	5	1.000	23 Aug 2024 11:39 am
9)	082309.D	8260B_90to1.M			
2408318-001ADUP 10X		O-VOC-W	6	1.000	23 Aug 2024 12:07 pm
10)	082310.D	8260B_90to1.M			
2408318-001AMS 10X		O-VOC-W	7	1.000	23 Aug 2024 12:36 pm
11)	082311.D	8260B_90to1.M			
R		O-VOC-W		1.000	23 Aug 2024 01:03 pm
12)	082312.D	8260B_90to1.M			
2408312-001A		O-VOC-W	8	1.000	23 Aug 2024 01:32 pm
13)	082313.D	8260B_90to1.M			
2408312-002A		O-VOC-W	9	1.000	23 Aug 2024 02:00 pm
14)	082314.D	8260B_90to1.M			
2408312-003A		O-VOC-W	10	1.000	23 Aug 2024 02:29 pm
15)	082315.D	8260B_90to1.M			
2408312-004A		O-VOC-W	11	1.000	23 Aug 2024 02:58 pm
16)	082316.D	8260B_90to1.M			
R		O-VOC-W		1.000	23 Aug 2024 03:25 pm
17)	082317.D	8260B_90to1.M			
2408318-001A 50X		O-VOC-W	12	1.000	23 Aug 2024 03:53 pm
18)	082318.D	8260B_90to1.M			
R		O-VOC-W		1.000	23 Aug 2024 04:21 pm
19)	082319.D	8260B_90to1.M			
GX CCV B		O-VOC-W	13	1.000	23 Aug 2024 04:49 pm
20)	082320.D	8260B_90to1.M			
R		O-VOC-W		1.000	23 Aug 2024 05:16 pm

Calibration

Calibration Report

Batch Path	D:\GC-27\DATA\082124\QuantResults\GX CAL.batch.bin		
Analysis Time	8/26/2024 2:26 PM	**Analyst Name**	FA\GC27
Report Time	8/26/2024 2:27:14 PM	**Reporter Name**	FA\GC27
Last Calib Update	8/23/2024 3:12 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

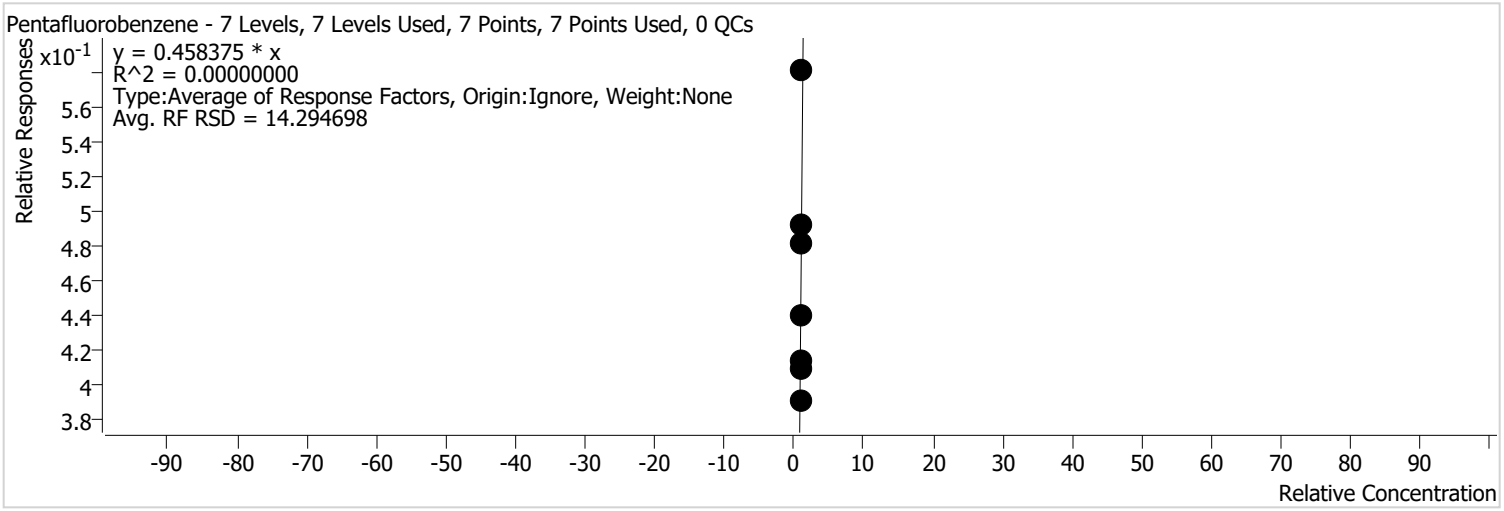
Dibromofluoromethane %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\082124\082127.D	Calibration	7	x	3418289	25.0000	0.2514	
D:\GC-27\DATA\082124\082126.D	Calibration	6	x	3170629	25.0000	0.2417	
D:\GC-27\DATA\082124\082125.D	Calibration	5	x	3014429	25.0000	0.2383	
D:\GC-27\DATA\082124\082124.D	Calibration	4	x	2941649	25.0000	0.2397	
D:\GC-27\DATA\082124\082123.D	Calibration	3	x	3026595	25.0000	0.2397	
D:\GC-27\DATA\082124\082122.D	Calibration	2	x	3143310	25.0000	0.2487	
D:\GC-27\DATA\082124\082121.D	Calibration	1	x	3045707	25.0000	0.2404	

Batch Path	D:\GC-27\DATA\082124\QuantResults\GX CAL.batch.bin		
Analysis Time	8/26/2024 2:26 PM	**Analyst Name**	FA\GC27
Report Time	8/26/2024 2:27:16 PM	**Reporter Name**	FA\GC27
Last Calib Update	8/23/2024 3:12 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

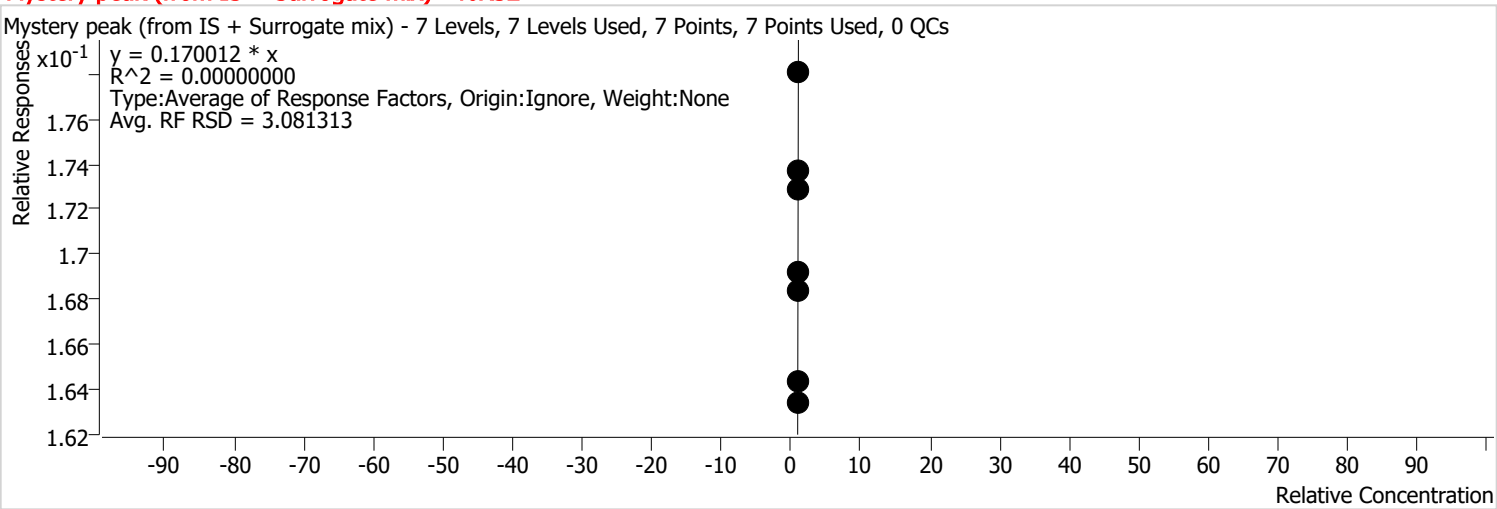
Pentafluorobenzene %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\082124\082127.D	Calibration	7	x	7894026	25.0000	0.5807	
D:\GC-27\DATA\082124\082126.D	Calibration	6	x	6447223	25.0000	0.4915	
D:\GC-27\DATA\082124\082125.D	Calibration	5	x	6088038	25.0000	0.4814	
D:\GC-27\DATA\082124\082124.D	Calibration	4	x	5402342	25.0000	0.4402	
D:\GC-27\DATA\082124\082123.D	Calibration	3	x	5162340	25.0000	0.4088	
D:\GC-27\DATA\082124\082122.D	Calibration	2	x	5241391	25.0000	0.4147	
D:\GC-27\DATA\082124\082121.D	Calibration	1	x	4959657	25.0000	0.3914	

Batch Path	D:\GC-27\DATA\082124\QuantResults\GX CAL.batch.bin		
Analysis Time	8/26/2024 2:26 PM	**Analyst Name**	FA\GC27
Report Time	8/26/2024 2:27:16 PM	**Reporter Name**	FA\GC27
Last Calib Update	8/23/2024 3:12 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

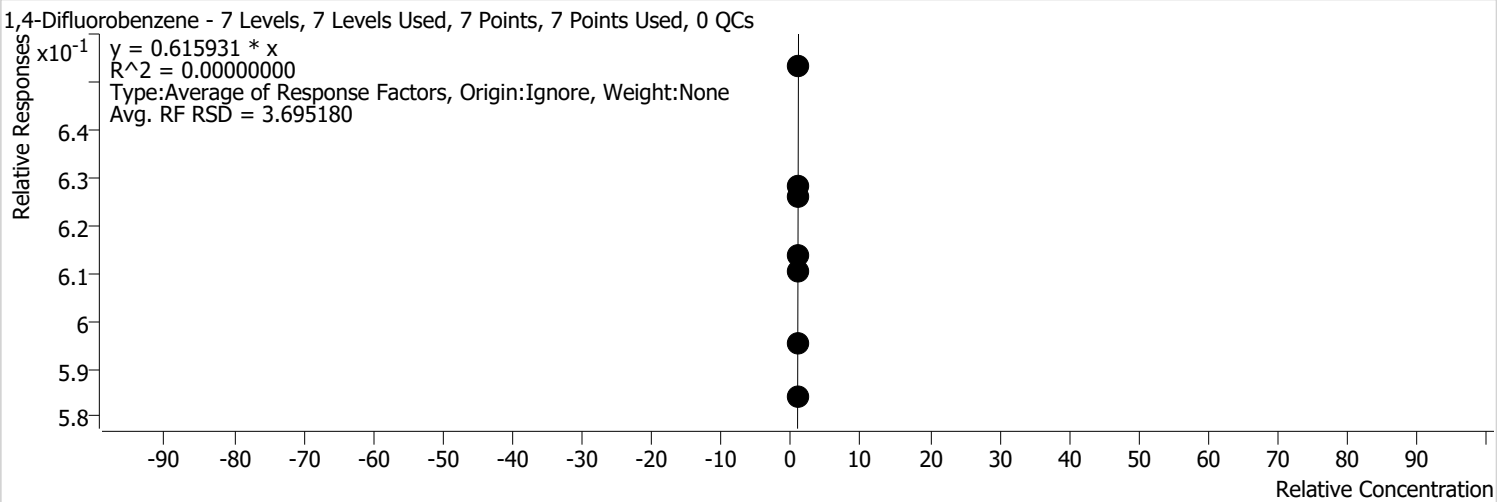
Mystery peak (from IS + Surrogate mix) %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\082124\082127.D	Calibration	7	x	2361548	25.0000	0.1737	
D:\GC-27\DATA\082124\082126.D	Calibration	6	x	2209196	25.0000	0.1684	
D:\GC-27\DATA\082124\082125.D	Calibration	5	x	2067187	25.0000	0.1634	
D:\GC-27\DATA\082124\082124.D	Calibration	4	x	2017136	25.0000	0.1644	
D:\GC-27\DATA\082124\082123.D	Calibration	3	x	2183410	25.0000	0.1729	
D:\GC-27\DATA\082124\082122.D	Calibration	2	x	2250529	25.0000	0.1780	
D:\GC-27\DATA\082124\082121.D	Calibration	1	x	2143871	25.0000	0.1692	

Batch Path	D:\GC-27\DATA\082124\QuantResults\GX CAL.batch.bin		
Analysis Time	8/26/2024 2:26 PM	**Analyst Name**	FA\GC27
Report Time	8/26/2024 2:27:16 PM	**Reporter Name**	FA\GC27
Last Calib Update	8/23/2024 3:12 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,4-Difluorobenzene %RSE =

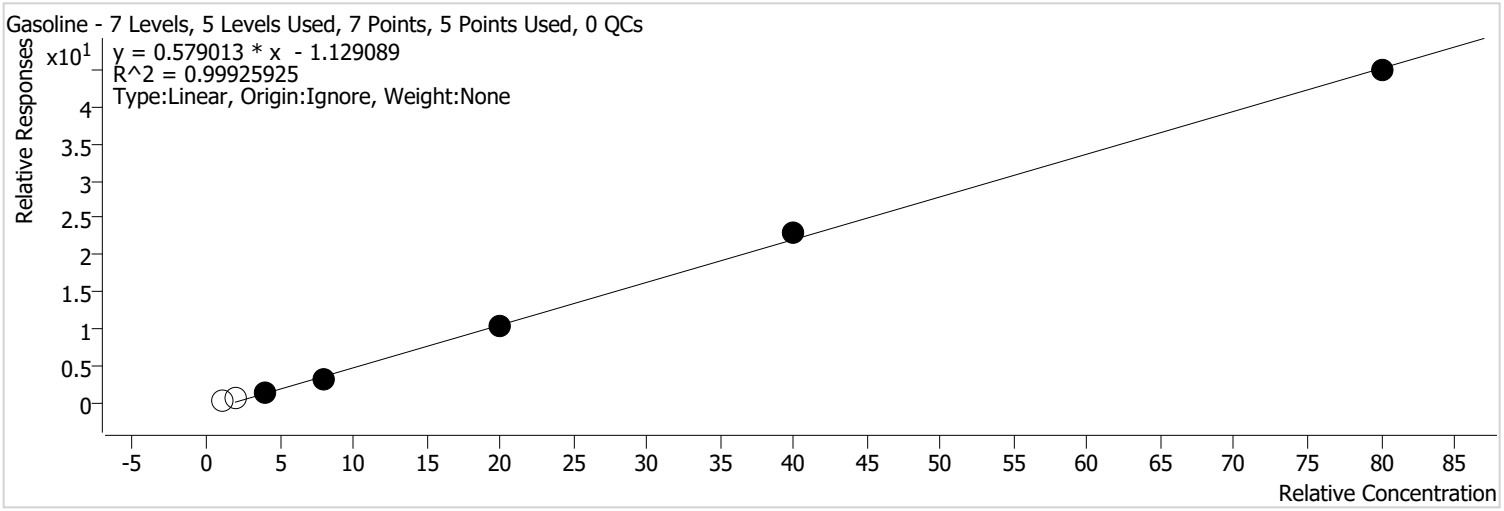


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\082124\082127.D	Calibration	7	x	8881833	25.0000	0.6533	
D:\GC-27\DATA\082124\082126.D	Calibration	6	x	8241195	25.0000	0.6282	
D:\GC-27\DATA\082124\082125.D	Calibration	5	x	7917210	25.0000	0.6260	
D:\GC-27\DATA\082124\082124.D	Calibration	4	x	7530200	25.0000	0.6136	
D:\GC-27\DATA\082124\082123.D	Calibration	3	x	7516872	25.0000	0.5953	
D:\GC-27\DATA\082124\082122.D	Calibration	2	x	7719634	25.0000	0.6107	
D:\GC-27\DATA\082124\082121.D	Calibration	1	x	7404286	25.0000	0.5844	

Calibration Report

Batch Path	D:\GC-27\DATA\082124\QuantResults\GX CAL.batch.bin		
Analysis Time	8/26/2024 2:26 PM	**Analyst Name**	FA\GC27
Report Time	8/26/2024 2:27:16 PM	**Reporter Name**	FA\GC27
Last Calib Update	8/23/2024 3:12 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

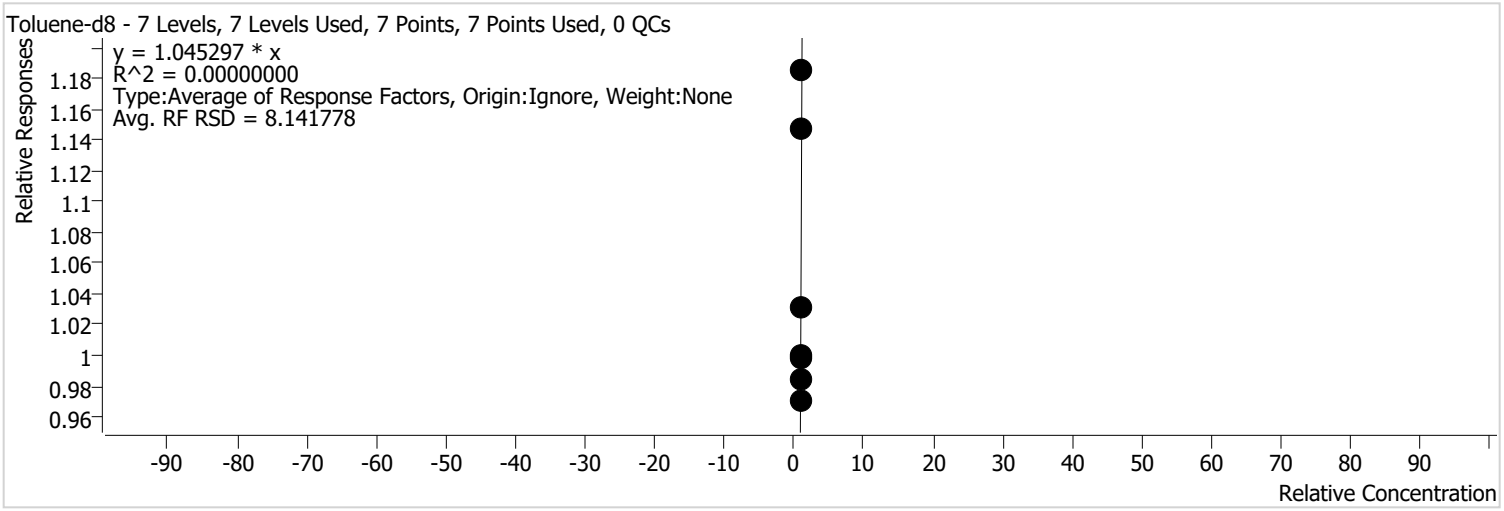
Gasoline %RSE = 5.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\082124\082121.D	Calibration	1		4318903	25.0000	0.3409	
D:\GC-27\DATA\082124\082122.D	Calibration	2		8994982	50.0000	0.3558	
D:\GC-27\DATA\082124\082123.D	Calibration	3	x	15963806	100.0000	0.3160	
D:\GC-27\DATA\082124\082124.D	Calibration	4	x	38403993	200.0000	0.3912	
D:\GC-27\DATA\082124\082125.D	Calibration	5	x	129714706	500.0000	0.5128	
D:\GC-27\DATA\082124\082126.D	Calibration	6	x	299747742	1000.0000	0.5712	
D:\GC-27\DATA\082124\082127.D	Calibration	7	x	609928423	2000.0000	0.5608	

Batch Path	D:\GC-27\DATA\082124\QuantResults\GX CAL.batch.bin		
Analysis Time	8/26/2024 2:26 PM	**Analyst Name**	FA\GC27
Report Time	8/26/2024 2:27:16 PM	**Reporter Name**	FA\GC27
Last Calib Update	8/23/2024 3:12 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

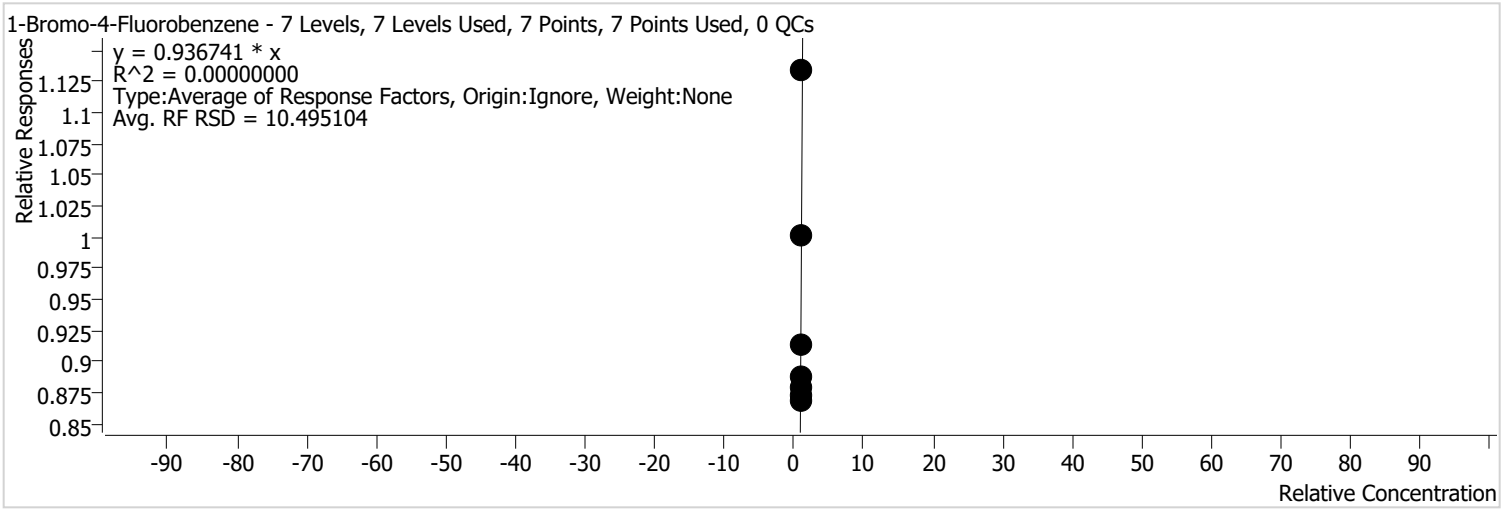
Toluene-d8 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\082124\082127.D	Calibration	7	x	16106431	25.0000	1.1848	
D:\GC-27\DATA\082124\082126.D	Calibration	6	x	15048847	25.0000	1.1472	
D:\GC-27\DATA\082124\082125.D	Calibration	5	x	13035631	25.0000	1.0307	
D:\GC-27\DATA\082124\082124.D	Calibration	4	x	12273941	25.0000	1.0002	
D:\GC-27\DATA\082124\082123.D	Calibration	3	x	12426048	25.0000	0.9840	
D:\GC-27\DATA\082124\082122.D	Calibration	2	x	12628746	25.0000	0.9991	
D:\GC-27\DATA\082124\082121.D	Calibration	1	x	12305418	25.0000	0.9712	

Batch Path	D:\GC-27\DATA\082124\QuantResults\GX CAL.batch.bin		
Analysis Time	8/26/2024 2:26 PM	**Analyst Name**	FA\GC27
Report Time	8/26/2024 2:27:16 PM	**Reporter Name**	FA\GC27
Last Calib Update	8/23/2024 3:12 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

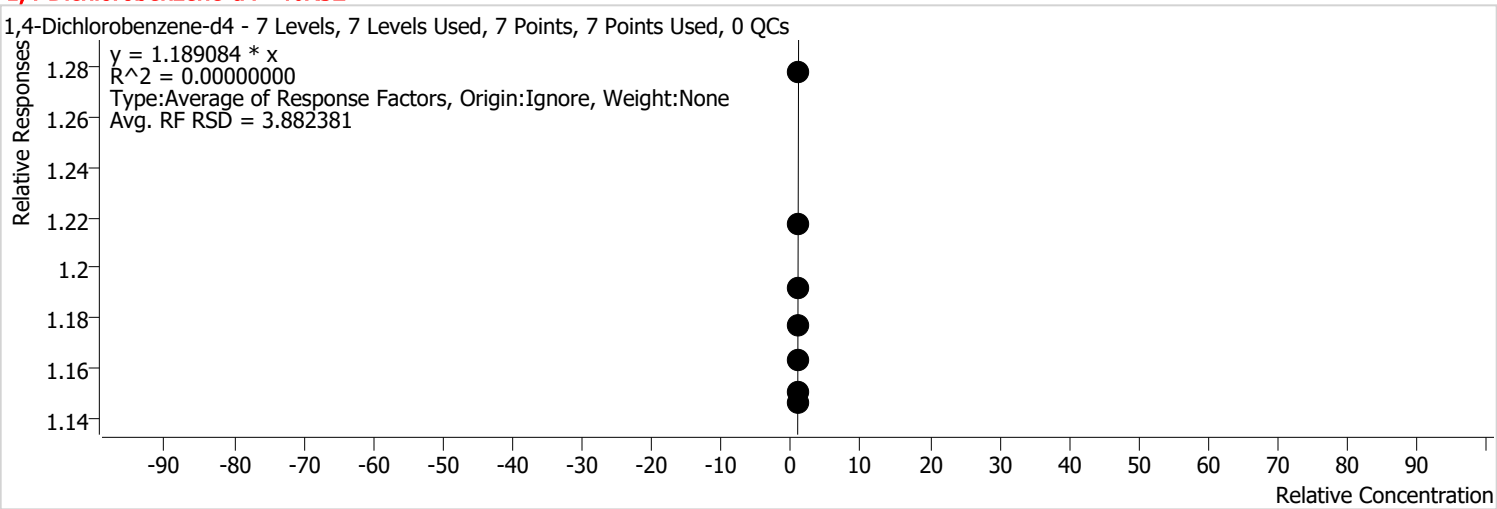
1-Bromo-4-Fluorobenzene %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\082124\082127.D	Calibration	7	x	15413290	25.0000	1.1338	
D:\GC-27\DATA\082124\082126.D	Calibration	6	x	13135205	25.0000	1.0013	
D:\GC-27\DATA\082124\082125.D	Calibration	5	x	11564900	25.0000	0.9144	
D:\GC-27\DATA\082124\082124.D	Calibration	4	x	10891792	25.0000	0.8876	
D:\GC-27\DATA\082124\082123.D	Calibration	3	x	10975132	25.0000	0.8691	
D:\GC-27\DATA\082124\082122.D	Calibration	2	x	11105018	25.0000	0.8785	
D:\GC-27\DATA\082124\082121.D	Calibration	1	x	11055167	25.0000	0.8725	

Batch Path	D:\GC-27\DATA\082124\QuantResults\GX CAL.batch.bin		
Analysis Time	8/26/2024 2:26 PM	**Analyst Name**	FA\GC27
Report Time	8/26/2024 2:27:16 PM	**Reporter Name**	FA\GC27
Last Calib Update	8/23/2024 3:12 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,4-Dichlorobenzene-d4 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\082124\082127.D	Calibration	7	x	17370753	25.0000	1.2778	
D:\GC-27\DATA\082124\082126.D	Calibration	6	x	15968264	25.0000	1.2172	
D:\GC-27\DATA\082124\082125.D	Calibration	5	x	15067372	25.0000	1.1913	
D:\GC-27\DATA\082124\082124.D	Calibration	4	x	14443732	25.0000	1.1770	
D:\GC-27\DATA\082124\082123.D	Calibration	3	x	14475227	25.0000	1.1463	
D:\GC-27\DATA\082124\082122.D	Calibration	2	x	14706830	25.0000	1.1635	
D:\GC-27\DATA\082124\082121.D	Calibration	1	x	14577069	25.0000	1.1504	

VOC Water Calibration

Fremont

Date: 9/21/24

Analyst: KS

Instrument: GC 27

Cal	ICV
8260 Standard: 30412	**8260 Standard:** 30455

IS/Surrogate 30021

Cal Level	Spike Conc. (ppb)	Intermediate Spike (µL)	Cal 8260 Spike (µL)	ICV 8260 Spike (µL)	Final Vol. (mL)	Comments
1	0.1	25.00	--	--	50	
2	0.2	50.00	--	--	50	
3	0.5	125.00	--	--	50	
4	1	--	2.50	--	50	
5	2	--	5.00	--	50	
6	5	--	12.50	--	50	
7	10	--	25.00	--	50	
8	20	--	50.00	--	50	
9	40	--	100.00	--	50	
	ICV (20 ppb)	--	--	50.00	50	

	8260 Cal (µL)	P&T MeOH (µL)	Final Volume (mL)
Intermediate	10	990	1

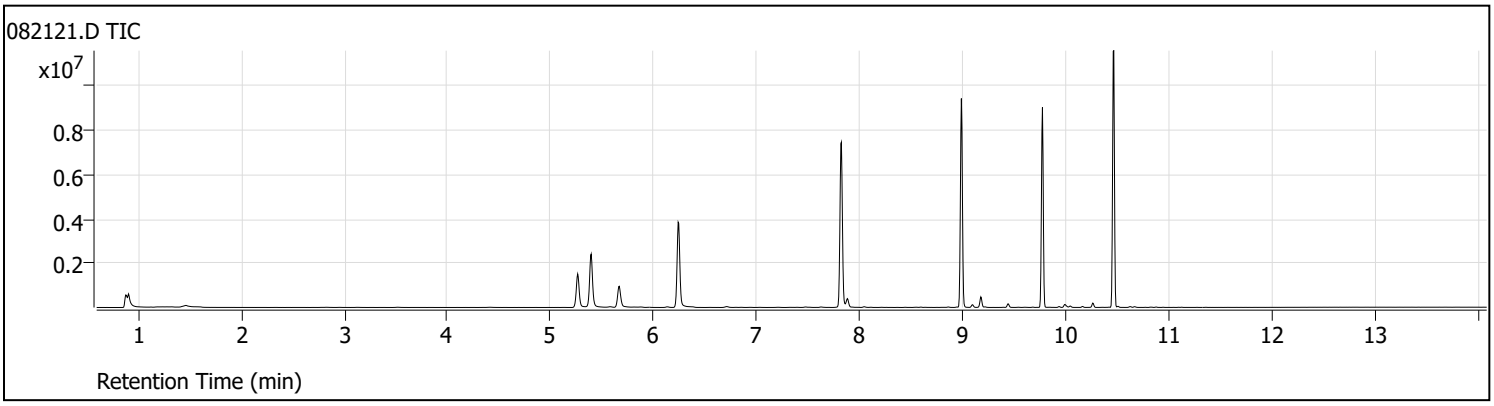
Signature and Date: [signature] 9/21/24

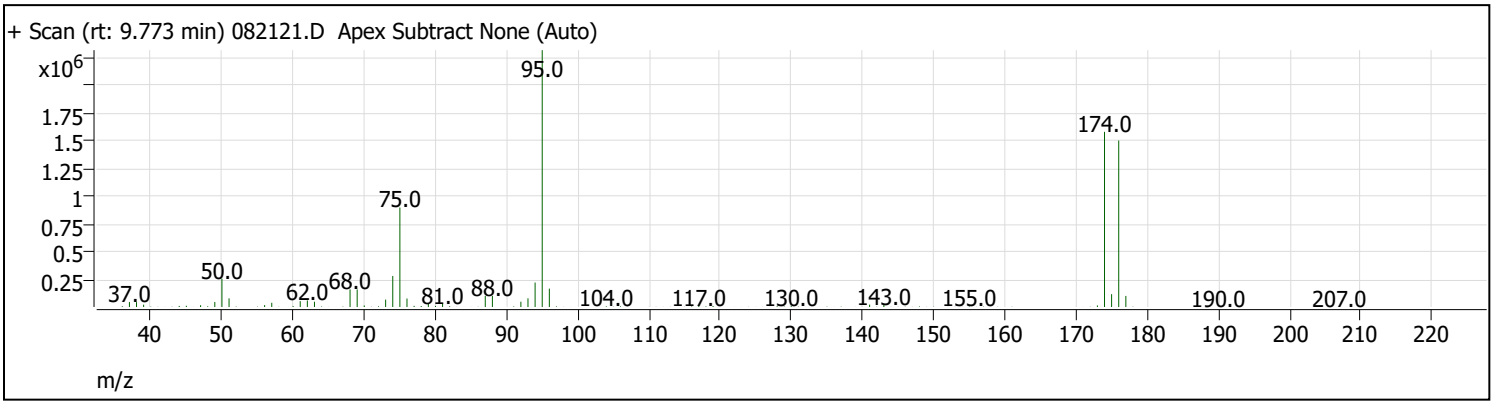
Signature: AK

Tunes

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\082124\082121.D
Acq on:	8/22/2024 12:14:05 AM
Operator:	MDS/KJ
Sample:	GX ICAL 1
Inst Name:	GC-27
ALS Vial:	12
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

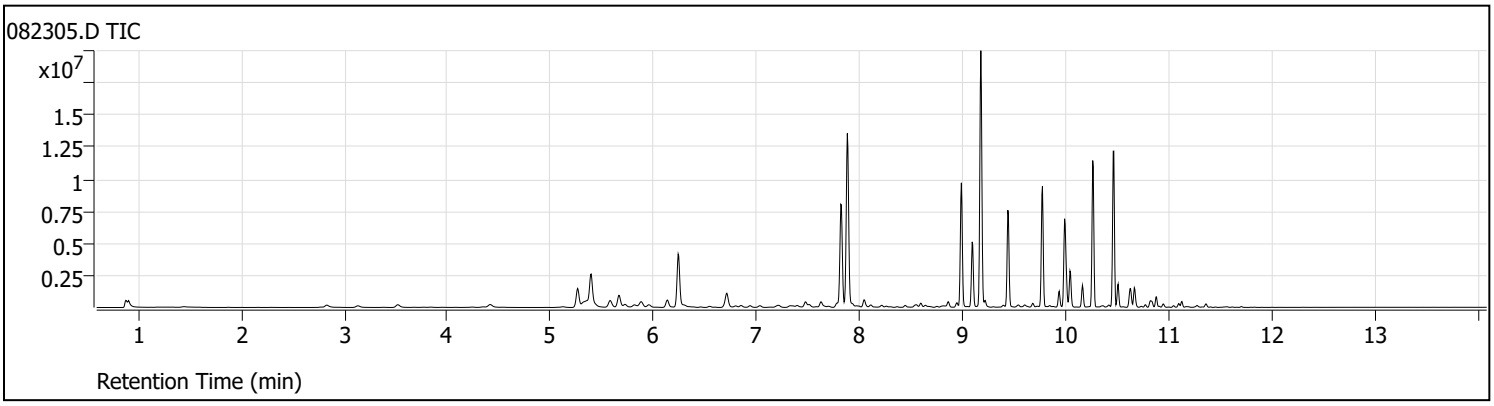


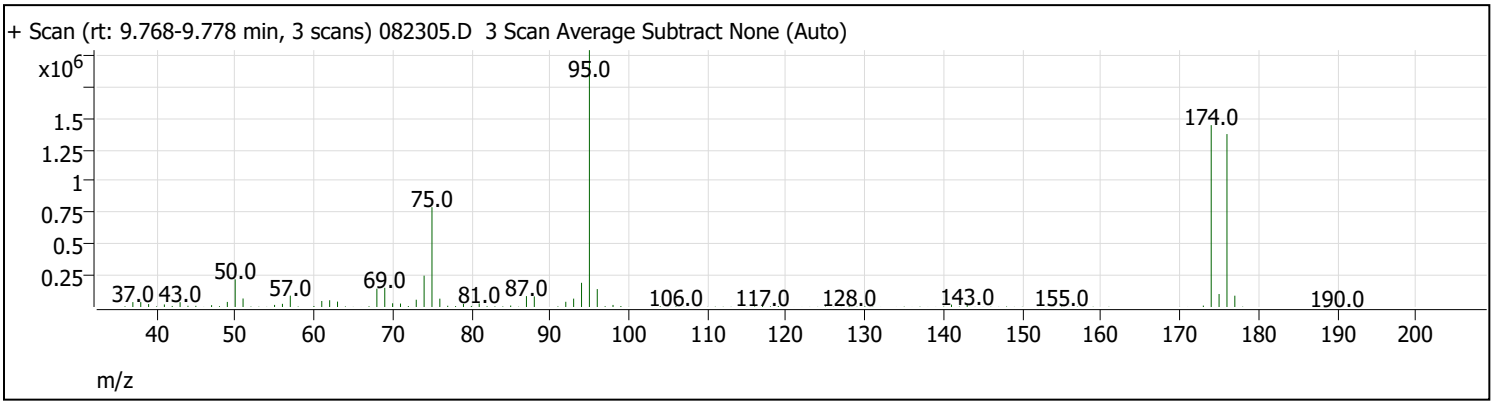


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	146.6	2312192	Pass
96	95	5	9	7.1	165314	Pass
173	174	0	2	0.9	13841	Pass
174	95	50	200	68.2	1576904	Pass
175	174	5	9	7.3	115537	Pass
176	174	95	105	95.0	1498436	Pass
177	176	5	10	6.6	99492	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\082324\082305.D
Acq on:	8/23/2024 10:14:45 AM
Operator:	MDS/KJ
Sample:	GX CCV
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	141.2	2041638	Pass
96	95	5	9	7.0	142354	Pass
173	174	0	2	0.8	11061	Pass
174	95	50	200	70.8	1445692	Pass
175	174	5	9	7.1	102955	Pass
176	174	95	105	95.1	1374482	Pass
177	176	5	10	6.5	89833	Pass

Internal Standards

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-27_240827A

Run No: 93932

Lab File ID (Standard): 082125.D

Instrument ID: GC-27

GC Column: ID (mm):

CCV Name: GX 93890

CCV SeqNo: 1961831

Date Analyzed: 8/22/2024

Time Analyzed: 2:08

Length (M):

		IS1 (CBZ) AREA #	RT #	IS2 (14DCBZ) AREA #	RT #				
	12 HOUR STD	12647326	8.987	15067372	10.465				
	UPPER LIMIT	25294652	9.487	30134744	10.965				
	LOWER LIMIT	6323663	8.487	7533686	9.965				
	SAMPLE NO.								
01	GX-CCV-A	1.30072e+007	8.987	1.53e+007	10.465				
02	GX-CCV-B	1.17886e+007	8.987	1.39621e+007	10.46				

IS1 (CBZ) = Chlorobenzene-d5
IS2 (14DCBZ) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-27_240827A

Run No: 93932

Lab File ID (Standard): 082305.D

Instrument ID: GC-27

GC Column: ID (mm):

CCV Name: GX-CCV-A

CCV SeqNo: 1961832

Date Analyzed: 8/23/2024

Time Analyzed: 10:14

Length (M):

		IS1 (CBZ) AREA #	RT #	IS2 (14DCBZ) AREA #	RT #				
	12 HOUR STD	13007204	8.987	15299982	10.465				
	UPPER LIMIT	26014408	9.487	30599964	10.965				
	LOWER LIMIT	6503602	8.487	7649991	9.965				
	SAMPLE NO.								
01	LCS-44956	1.30072e+007	8.987	1.53e+007	10.465				
02	MB-44956	1.23714e+007	8.987	1.36162e+007	10.46				
03	2408318-001A	1.21625e+007	8.987	1.3742e+007	10.46				
04	2408318-001ADUP	1.20187e+007	8.987	1.36803e+007	10.46				
05	2408312-001A	1.17987e+007	8.987	1.31734e+007	10.465				
06	2408312-002A	1.17311e+007	8.987	1.29793e+007	10.465				
07	2408312-003A	1.19779e+007	8.987	1.31376e+007	10.46				
08	2408312-004A	1.15963e+007	8.987	1.28571e+007	10.46				

IS1 (CBZ) = Chlorobenzene-d5
IS2 (14DCBZ) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Supporting Data

5030B Prep Bench Sheet

Analyst:	[illegible]
Date and Time:	9/22/24
Batch:	149516

Spikes / Chemicals / Reagents	Omega ID	Amount Used	Final Volume
VOC Standard 20 µg/mL (LCS/LCSD)	[illegible]	50 µL	
GX Standard 2,500 µg/mL (LCS/LCSD)	[illegible]	10 µL	
VOC Standard 20 µg/mL (MS/MSD)	[illegible]	43 µL	
GX Standard 2,500 µg/mL (MS/MSD)	[illegible]	8.6 µL	

Notes/Modificaitons

Samples verified pH < 2	Initial/Date

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date
	[illegible] 9/22/24

Equipment	
Pipette:	
Balance:	
Other:	

Dilutions

Sample ID	Dilution Description

Sign and date below if you contributed to the preparation of this batch

[illegible] 9/22/24

Fremont Analytical, Inc

PREP BATCH REPORT

Prep Start Date: **8/22/2024 12:38:22**
Prep End Date: **8/22/2024 5:00:15 P**
Technician: **Fiona Gonzalez**

Prep Factor Units:
mL / mL

Prep Batch ID: **44956** Prep Code: **PREP-5030** Method No: **SW5030**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-44956		Water	40	40	1.000	8/22/2024	8/22/2024
LCS-44956		Water	40	40	1.000	8/22/2024	8/22/2024
2408318-001A	F-1410-82024	Water	40	40	1.000	8/22/2024	8/22/2024
2408312-002A	GEI-12_082024	Water	40	40	1.000	8/22/2024	8/22/2024
2408312-003A	GEI-13_082024	Water	40	40	1.000	8/22/2024	8/22/2024
2408312-004A	Dup_082024	Water	40	40	1.000	8/22/2024	8/22/2024
2408312-005A	Trip Blank	Water	40	40	1.000	8/22/2024	8/22/2024
2408318-001ADUP		Water	40	40	1.000	8/22/2024	8/22/2024
2408318-001AMS		Water	40	40	1.000	8/22/2024	8/22/2024
2408312-001A	GEI-11_082024	Water	40	40	1.000	8/22/2024	8/22/2024

Reporting Checklist

Analyst: Fiona Gonzalez
Workorder(s): 2408312
Date: 08/27/24
Prep #: 44956
Run(s) #: 93932
Analysis: O-VOC-GX-W

Y/N		Reviewed
Y	**Run complete? (i.e., all QC, samples, dilutions present)**	✔
Y	**All QC within limits?** [ ] Exceedances acceptable per QA Manual and/or Auth'd by PM____?	✔

☐CCV out ☐LCS out ☐MS out ☑Blank hits ☐IS/surr out ☐RPD out
☐Hold time ☐Other_____

PQL elevated to 100 ug/L due to observed baseline rise. False positives possible near prior PQL of 50 ug/L

[ ] Any pending dilutions, re-extracts, or reanalysis to be completed in future run?

Y	**Manual entries/narratives reviewed for accuracy? (note below)** Analyst: FG 8/27/24 Reviewer:	✔
✔	**Omega checks performed?**	✔
✔	SampID, Test Code, Type, Prep	
✔	PMOIST, pH	
✔	BLKref, SPKref, RPDref, CCVref	
✔	Attachments	✔
	☑Sequence ☑Cgrams ☑Bench Sheets ☑Perf Checks ☑Tech Doc	
✔	Related Info	✔
	☑ICAL Ref ☑ICAL Ack/QA'd? ☑Spiking Info/CCV Std ☐_____	
✔	Reporting Checks	✔
	☑Dilutions data/narr redundancy check ☐RLs OK (low wt, high pmoist, dilutions)	

Notes for Reviewer

By signing, I attest that I have followed the SOP

Fiona Gonzalez 8/27/2024
Analyst Date

SNK 08/27/24
Reviewer Date

DATA SET for Review - Deliverable Requirements

PAHs by EPA Method 8270E SIM

Fremont Analytical Work Order No. 2408312

GeoEngineers

Project Name: 701/709 South Jackson

Project Number: 24504-001-04

This data set contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information
- Internal Standards Report

Injection Log

Data Directory: Z:\GC-14\Data\2024\072524\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	072501.D	8270E_SIM_625.M			
CO			3	1.000	25 Jul 2024 11:20 am
2)	072502.D	8270E_SCAN_625.M			
tune			1	1.000	25 Jul 2024 11:50 am
3)	072503.D	8270E_SIM_625.M			
PAH 10			32	1.000	25 Jul 2024 12:37 pm
4)	072504.D	8270E_SIM_625.M			
PAH 20			33	1.000	25 Jul 2024 01:07 pm
5)	072505.D	8270E_SIM_625.M			
PAH 40			34	1.000	25 Jul 2024 01:36 pm
6)	072506.D	8270E_SIM_625.M			
PAH 100			35	1.000	25 Jul 2024 02:06 pm
7)	072507.D	8270E_SIM_625.M			
PAH 200			36	1.000	25 Jul 2024 02:35 pm
8)	072508.D	8270E_SIM_625.M			
PAH 500			37	1.000	25 Jul 2024 03:05 pm
9)	072509.D	8270E_SIM_625.M			
PAH 750			38	1.000	25 Jul 2024 03:35 pm
10)	072510.D	8270E_SIM_625.M			
PAH 1000			39	1.000	25 Jul 2024 04:04 pm
11)	072511.D	8270E_SIM_625.M			
PAH 2000			40	1.000	25 Jul 2024 04:34 pm
12)	072512.D	8270E_SIM_625.M			
PAH 5000			41	1.000	25 Jul 2024 05:03 pm
13)	072513.D	8270E_SIM_625.M			
PAH ICB			42	1.000	25 Jul 2024 05:33 pm
14)	072514.D	8270E_SIM_625.M			
PAH ICV			43	1.000	25 Jul 2024 06:03 pm
15)	072515.D	8270E_SIM_625.M			
CO			3	1.000	25 Jul 2024 06:33 pm
16)	072516.D	8270E_SCAN_625.M			
tune			1	1.000	25 Jul 2024 07:03 pm
17)	072517.D	8270E_SIM_625.M			
CCV			39	1.000	25 Jul 2024 07:33 pm
18)	072518.D	8270E_SIM_625.M			
MB-44635			51	1.000	25 Jul 2024 08:03 pm
19)	072519.D	8270E_SIM_625.M			
LCS-44635			52	1.000	25 Jul 2024 08:33 pm
20)	072520.D	8270E_SIM_625.M			
2407389-001A			53	1.000	25 Jul 2024 09:03 pm
21)	072521.D	8270E_SIM_625.M			
2407389-002A			54	1.000	25 Jul 2024 09:33 pm

```
 22) 072522.D              8270E_SIM_625.M
2407389-003A                              55    1.000     25 Jul 2024  10:03 pm
  ------------------------------------------------------------------------------
 23) 072523.D              8270E_SIM_625.M
2407389-004A                              56    1.000     25 Jul 2024  10:32 pm
  ------------------------------------------------------------------------------
 24) 072524.D              8270E_SIM_625.M
2407389-005A                              57    1.000     25 Jul 2024  11:02 pm
  ------------------------------------------------------------------------------
 25) 072525.D              8270E_SIM_625.M
2407389-005AMS                            58    1.000     25 Jul 2024  11:32 pm
  ------------------------------------------------------------------------------
 26) 072526.D              8270E_SIM_625.M
2407389-005AMSD                           59    1.000     26 Jul 2024  12:02 am
  ------------------------------------------------------------------------------
 27) 072527.D              8270E_SIM_625.M
2407389-006A                              60    1.000     26 Jul 2024  12:31 am
  ------------------------------------------------------------------------------
 28) 072528.D              8270E_SIM_625.M
2407399-001A                              61    1.000     26 Jul 2024  01:01 am
  ------------------------------------------------------------------------------
 29) 072529.D              8270E_SIM_625.M
CCV                                       39    1.000     26 Jul 2024  01:31 am
  ------------------------------------------------------------------------------
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Injection Log

Data Directory: Z:\GC-14\Data\2024\082124\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	082046.D	8270E_SIM_625.M			
	2408291-001AMS		146	1.000	21 Aug 2024 09:27 am
2)	082047.D	8270E_SIM_625.M			
	2408291-001AMSD		147	1.000	21 Aug 2024 09:57 am
3)	082048.D	8270E_SIM_625.M			
	QCS		2	1.000	21 Aug 2024 10:27 am
4)	82101.D	8270E_SIM_625.M			
	CO		3	1.000	21 Aug 2024 11:53 am
5)	82102.D	8270E_SCAN_625.M			
	tune		1	1.000	21 Aug 2024 12:23 pm
6)	82103.D	8270E_SIM_625.M			
	CCV		2	1.000	21 Aug 2024 12:52 pm
7)	82104.D	8270E_SIM_625.M			
	MB-44929		28	1.000	21 Aug 2024 01:22 pm
8)	82105.D	8270E_SIM_625.M			
	LCS-44929		29	1.000	21 Aug 2024 01:51 pm
9)	82106.D	8270E_SIM_625.M			
	LCSD-44929		30	1.000	21 Aug 2024 02:21 pm
10)	82107.D	8270E_SIM_625.M			
	2408305-001C		108	1.000	21 Aug 2024 02:51 pm
11)	82108.D	8270E_SIM_625.M			
	2408305-002C		109	1.000	21 Aug 2024 03:20 pm
12)	82109.D	8270E_SIM_625.M			
	2408306-001C		110	1.000	21 Aug 2024 03:50 pm
13)	82110.D	8270E_SIM_625.M			
	CCV		2	1.000	21 Aug 2024 04:20 pm
14)	82111.D	8270E_SIM_625.M			
	MB-44929		28	1.000	21 Aug 2024 04:49 pm
15)	82112.D	8270E_SIM_625.M			
	LCS-44929		29	1.000	21 Aug 2024 05:19 pm
16)	82113.D	8270E_SIM_625.M			
	LCSD-44929		30	1.000	21 Aug 2024 05:48 pm
17)	82114.D	8270E_SIM_625.M			
	MB-44947		41	1.000	21 Aug 2024 06:18 pm
18)	82115.D	8270E_SIM_625.M			
	LCS-44947		42	1.000	21 Aug 2024 06:48 pm
19)	82116.D	8270E_SIM_625.M			
	2408309-001A		43	1.000	21 Aug 2024 07:17 pm
20)	82117.D	8270E_SIM_625.M			
	2408309-001AMS		44	1.000	21 Aug 2024 07:47 pm
21)	82118.D	8270E_SIM_625.M			
	2408309-001AMSD		45	1.000	21 Aug 2024 08:17 pm

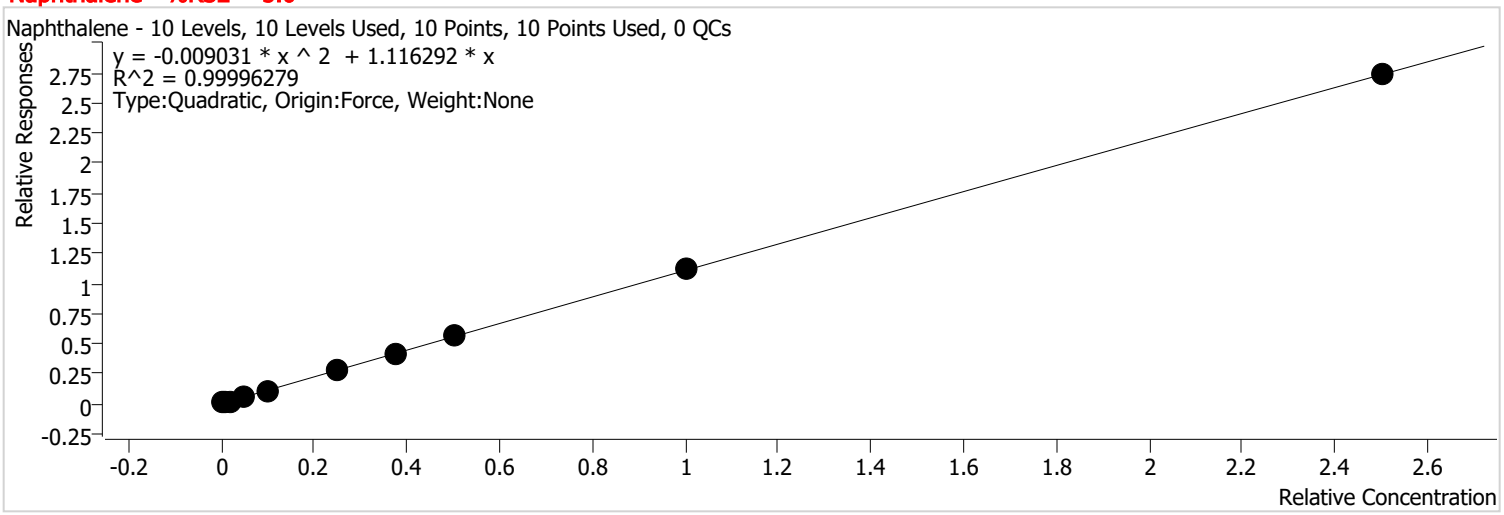
22) 82119.D 8270E_SIM_625.M
2408322-001A 46 1.000 21 Aug 2024 08:46 pm
---
23) 82120.D 8270E_SIM_625.M
CO 3 1.000 21 Aug 2024 09:16 pm
---
24) 82121.D 8270E_SIM_625.M
CCV 2 1.000 21 Aug 2024 09:46 pm
---
25) 82201.D 8270E_SIM_625.M
CO 3 1.000 22 Aug 2024 09:08 am
---
26) 82202.D 8270E_SCAN_625.M
tune 1 1.000 22 Aug 2024 09:38 am
---
27) 82203.D 8270E_SIM_625.M
CCV 2 1.000 22 Aug 2024 10:07 am
---
28) 82204.D 8270E_SIM_625.M
LCS test 4 1.000 22 Aug 2024 10:37 am
---
29) 82205.D 8270E_SIM_625.M
2408322-001A rr 46 1.000 22 Aug 2024 11:24 am
---
30) 82206.D 8270E_SIM_625.M
MB-44947 rr 41 1.000 22 Aug 2024 11:54 am
---
31) 82207.D 8270E_SIM_625.M
2408309-001A rr 43 1.000 22 Aug 2024 12:23 pm
---
32) 82208.D 8270E_SIM_625.M
2408291-001A rr 47 1.000 22 Aug 2024 01:42 pm
---
33) 82209.D 8270E_SIM_625.M
2408298-001D 11 1.000 22 Aug 2024 02:21 pm
---
34) 82210.D 8270E_SIM_625.M
2408312-001F 12 1.000 22 Aug 2024 02:51 pm
---
35) 82211.D 8270E_SIM_625.M
2408312-002F 13 1.000 22 Aug 2024 03:21 pm
---
36) 82212.D 8270E_SIM_625.M
2408312-003F 14 1.000 22 Aug 2024 03:51 pm
---
37) 82213.D 8270E_SIM_625.M
2408312-004F 15 1.000 22 Aug 2024 04:21 pm
---
38) 82214.D 8270E_SIM_625.M
2408291-001A 2x 48 1.000 22 Aug 2024 04:50 pm
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39) 82215.D 8270E_SIM_625.M
CCV 2 1.000 22 Aug 2024 05:20 pm

Calibration

Calibration Report

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:55 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Naphthalene %RSE = 5.0

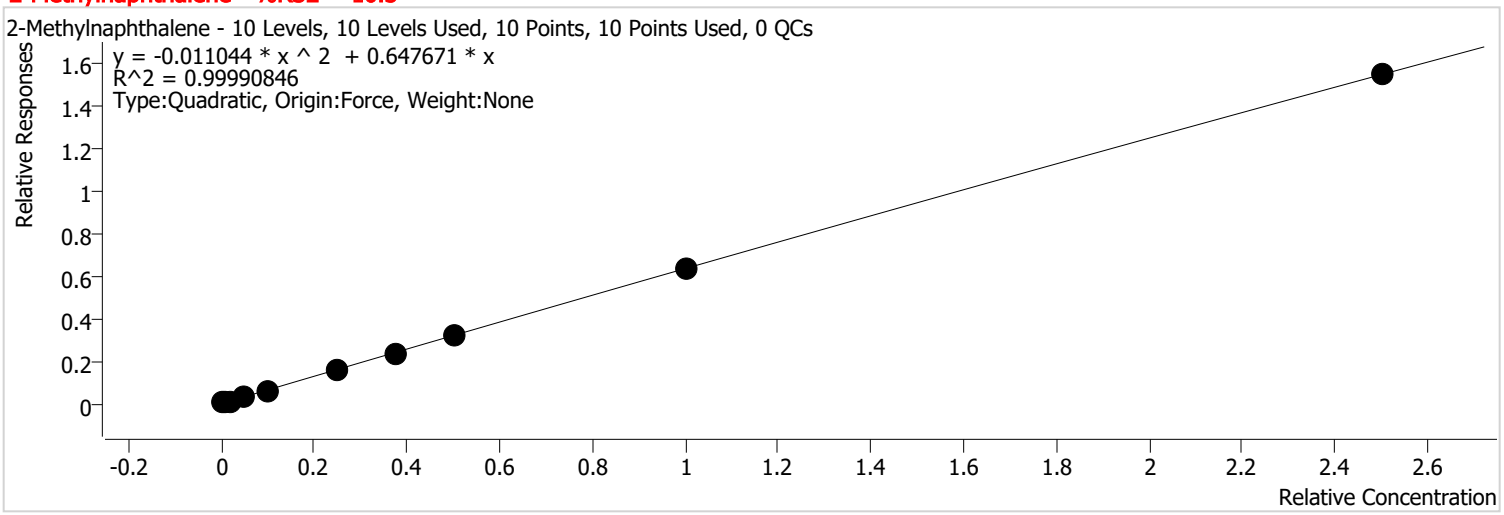


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	760	10.0000	1.2189	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	1279	20.0000	1.0537	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	2778	40.0000	1.0995	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	6755	100.0000	1.0531	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	13904	200.0000	1.0749	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	33489	500.0000	1.0810	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	52515	750.0000	1.0878	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	70649	1000.0000	1.1194	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	143935	2000.0000	1.1137	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	363543	5000.0000	1.0934	

Calibration Report

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

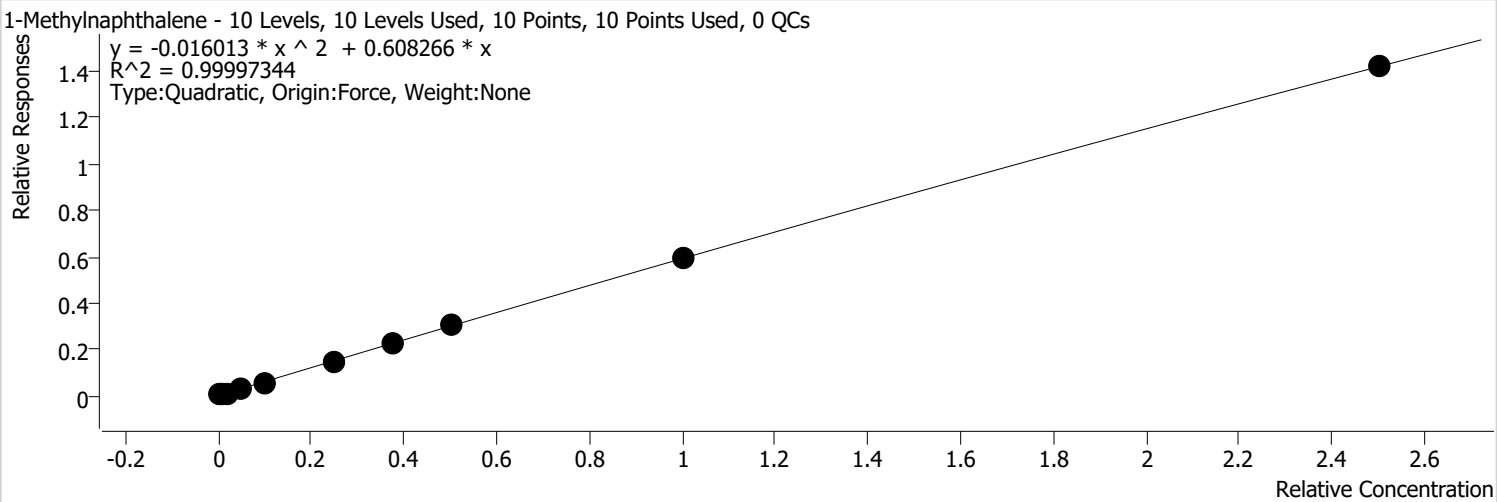
2-Methylnaphthalene %RSE = 10.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	397	10.0000	0.6364	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	623	20.0000	0.5128	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	1465	40.0000	0.5799	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	3692	100.0000	0.5756	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	7777	200.0000	0.6013	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	19229	500.0000	0.6207	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	29961	750.0000	0.6206	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	40997	1000.0000	0.6496	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	82979	2000.0000	0.6421	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	206071	5000.0000	0.6198	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

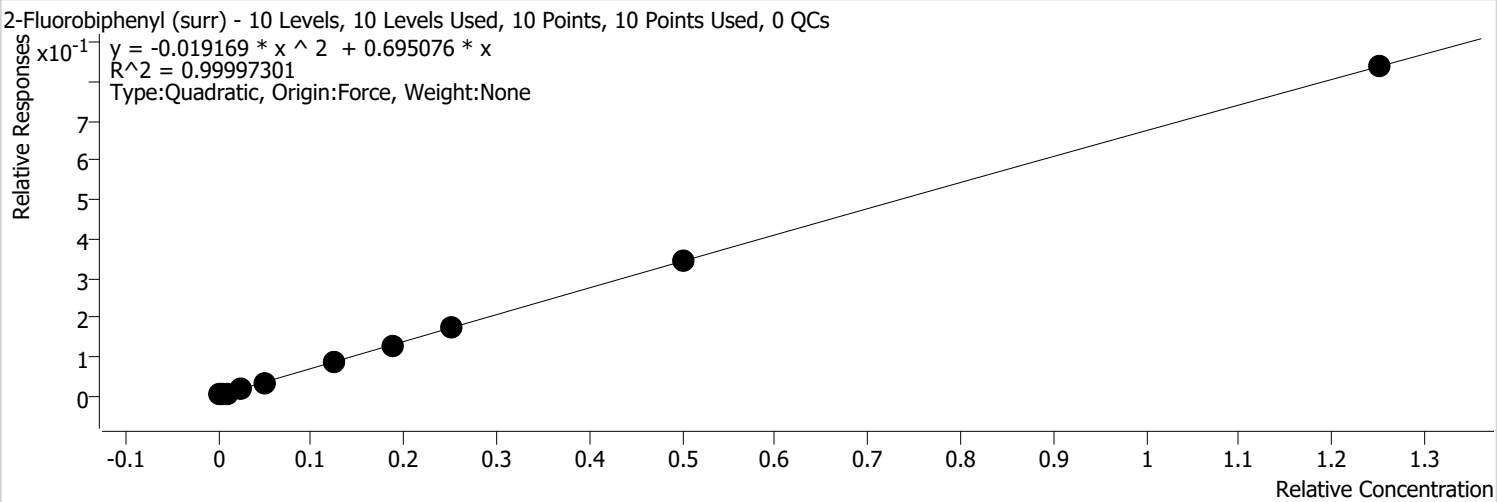
1-Methylnaphthalene %RSE = 7.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	379	10.0000	0.6083	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	603	20.0000	0.4970	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	1512	40.0000	0.5982	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	3542	100.0000	0.5522	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	7561	200.0000	0.5846	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	18278	500.0000	0.5900	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	28708	750.0000	0.5946	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	38287	1000.0000	0.6066	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	76712	2000.0000	0.5936	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	188907	5000.0000	0.5681	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Fluorobiphenyl (surr) %RSE =

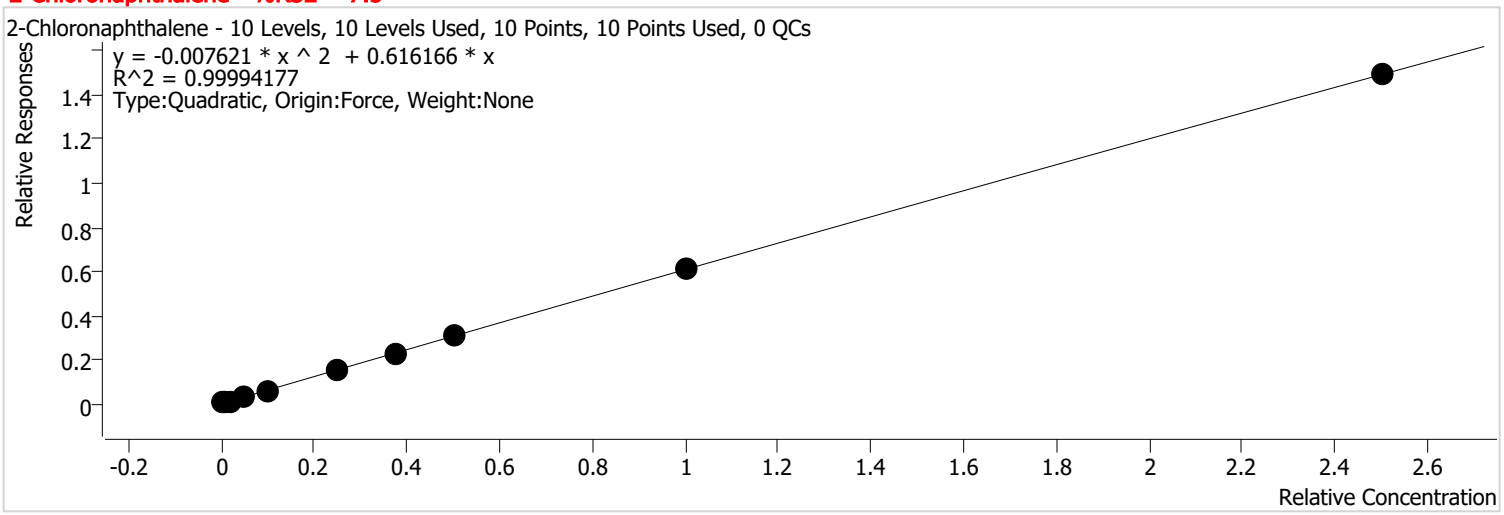


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	231	5.0000	0.7392	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	378	10.0000	0.6234	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	841	20.0000	0.6658	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	2072	50.0000	0.6460	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	4256	100.0000	0.6580	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	10463	250.0000	0.6754	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	16464	375.0000	0.6820	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	21986	500.0000	0.6967	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	44435	1000.0000	0.6877	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	111550	2500.0000	0.6710	

Calibration Report

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

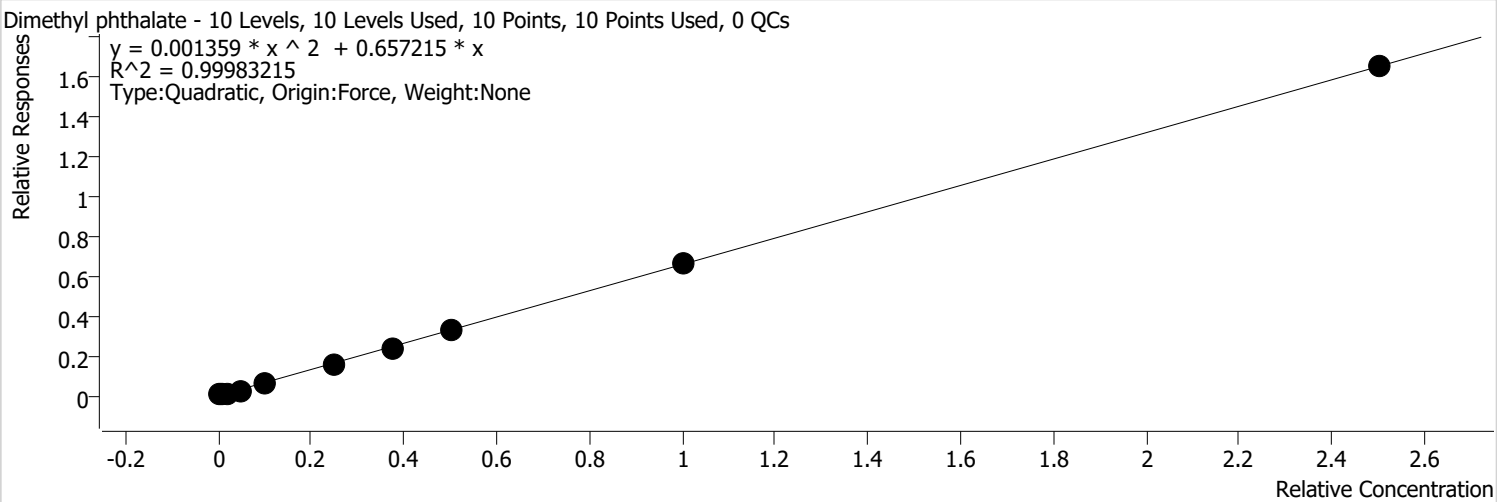
2-Chloronaphthalene %RSE = 7.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	392	10.0000	0.6286	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	647	20.0000	0.5326	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	1431	40.0000	0.5661	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	3617	100.0000	0.5639	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	7421	200.0000	0.5737	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	18363	500.0000	0.5927	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	28895	750.0000	0.5985	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	38816	1000.0000	0.6150	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	79292	2000.0000	0.6136	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	198452	5000.0000	0.5968	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

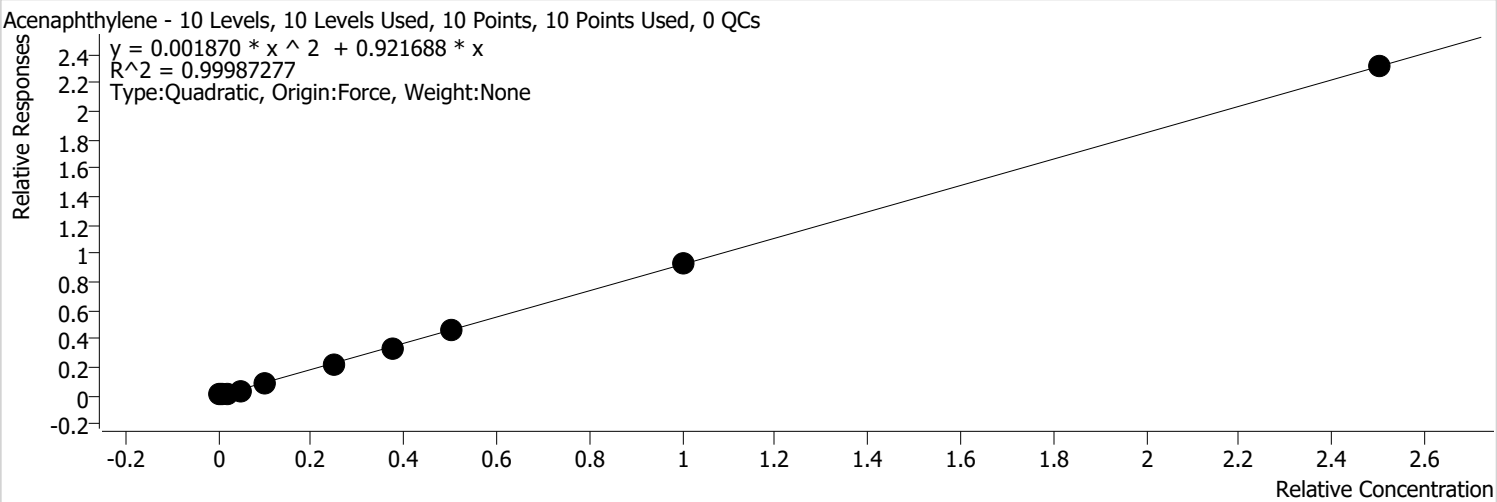
Dimethyl phthalate %RSE = 19.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	594	10.0000	0.9527	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	708	20.0000	0.5831	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	1514	40.0000	0.5992	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	3603	100.0000	0.5618	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	7552	200.0000	0.5838	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	18902	500.0000	0.6101	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	30648	750.0000	0.6348	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	41635	1000.0000	0.6597	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	86406	2000.0000	0.6686	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	219480	5000.0000	0.6601	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

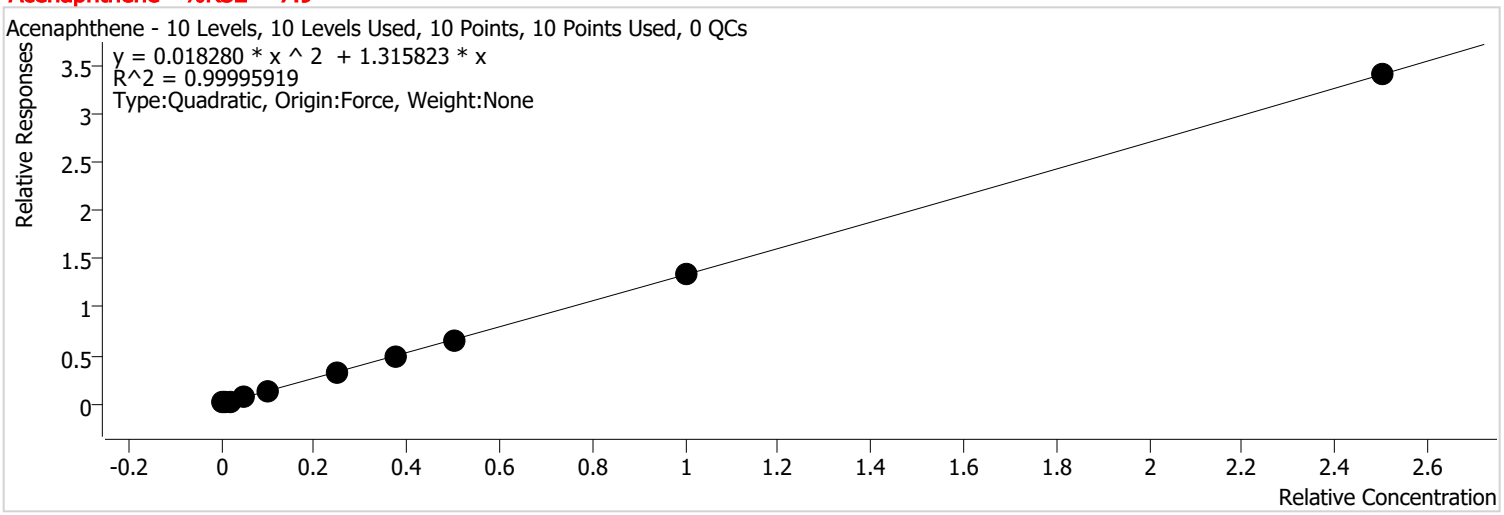
Acenaphthylene %RSE = 13.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	547	10.0000	0.8772	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	857	20.0000	0.7055	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	1960	40.0000	0.7757	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	4886	100.0000	0.7618	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	10525	200.0000	0.8137	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	26918	500.0000	0.8689	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	43216	750.0000	0.8952	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	59004	1000.0000	0.9349	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	120500	2000.0000	0.9324	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	307848	5000.0000	0.9259	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

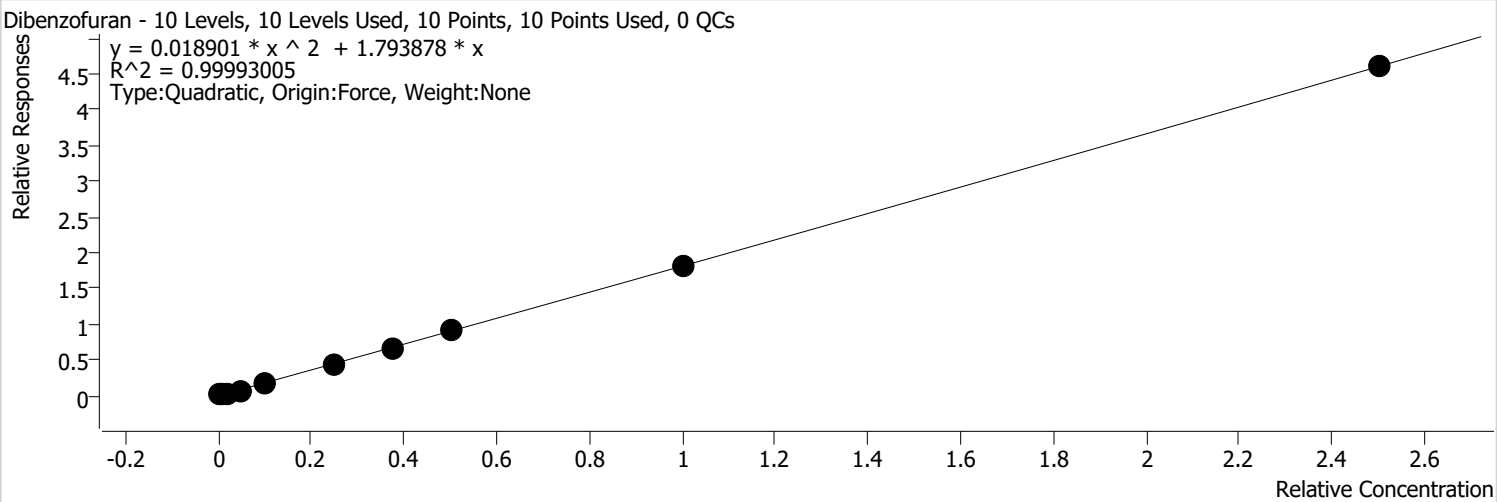
Acenaphthene %RSE = 7.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	467	10.0000	1.5510	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	715	20.0000	1.2131	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	1600	40.0000	1.3031	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	3809	100.0000	1.2333	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	7947	200.0000	1.2893	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	19026	500.0000	1.2815	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	29711	750.0000	1.2896	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	39570	1000.0000	1.3238	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	80859	2000.0000	1.3455	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	204567	5000.0000	1.3610	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

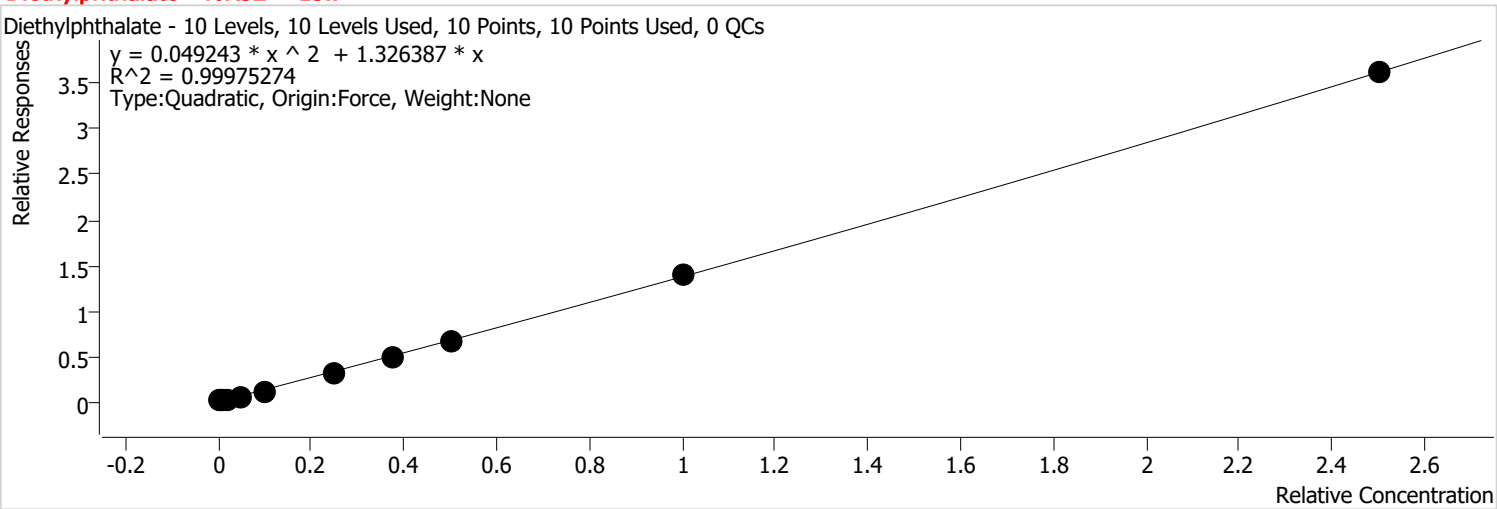
Dibenzofuran %RSE = 7.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	552	10.0000	1.8343	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	920	20.0000	1.5595	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	2019	40.0000	1.6443	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	4990	100.0000	1.6155	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	10551	200.0000	1.7120	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	25655	500.0000	1.7280	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	40118	750.0000	1.7414	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	54343	1000.0000	1.8180	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	109887	2000.0000	1.8286	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	276615	5000.0000	1.8403	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

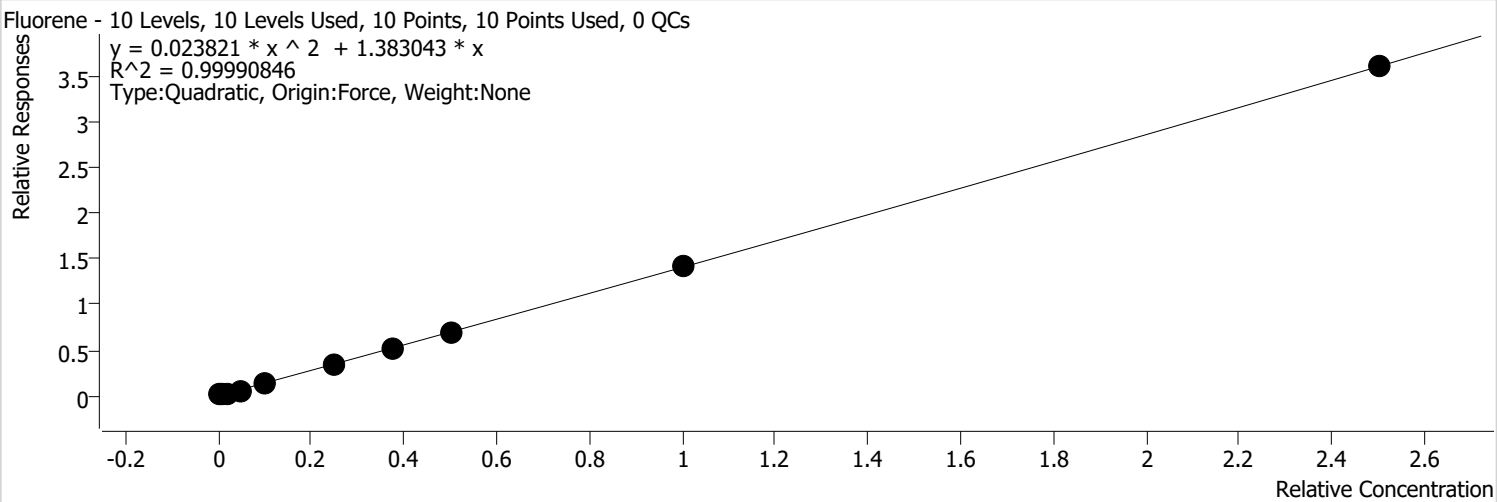
Diethylphthalate %RSE = 15.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	493	10.0000	1.6394	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	657	20.0000	1.1141	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	1364	40.0000	1.1109	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	3315	100.0000	1.0734	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	7076	200.0000	1.1481	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	18306	500.0000	1.2330	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	29344	750.0000	1.2737	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	40276	1000.0000	1.3474	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	84435	2000.0000	1.4051	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	217651	5000.0000	1.4480	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

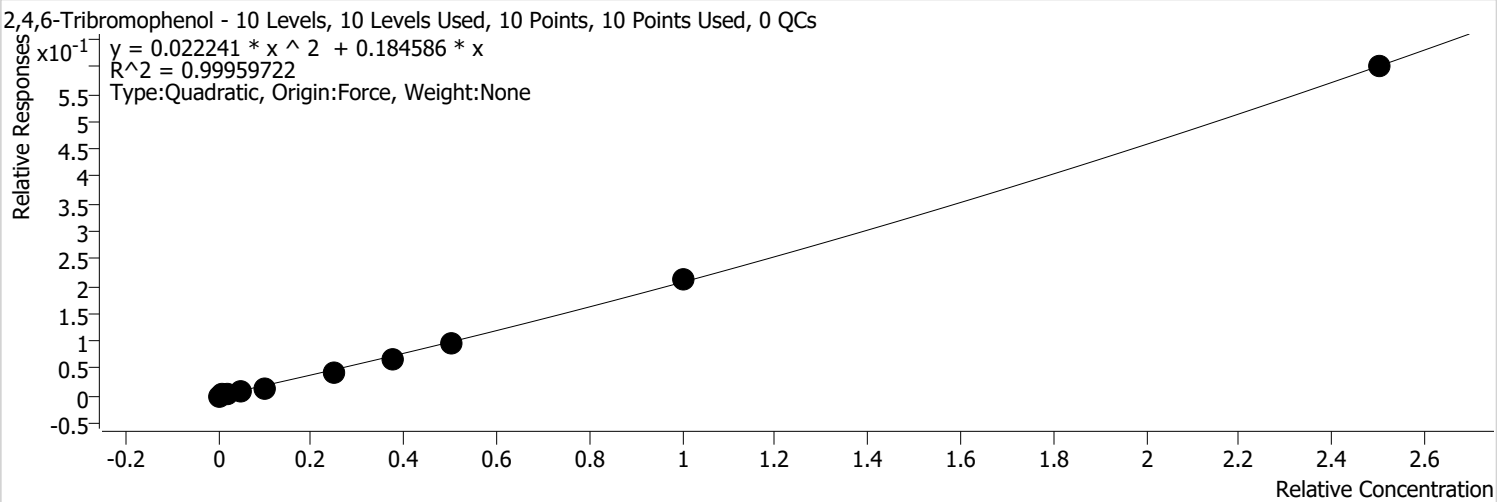
Fluorene %RSE = 10.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	480	10.0000	1.5967	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	692	20.0000	1.1740	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	1539	40.0000	1.2541	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	3757	100.0000	1.2164	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	8002	200.0000	1.2983	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	19609	500.0000	1.3208	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	31012	750.0000	1.3461	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	41786	1000.0000	1.3979	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	85549	2000.0000	1.4236	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	216709	5000.0000	1.4417	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
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Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

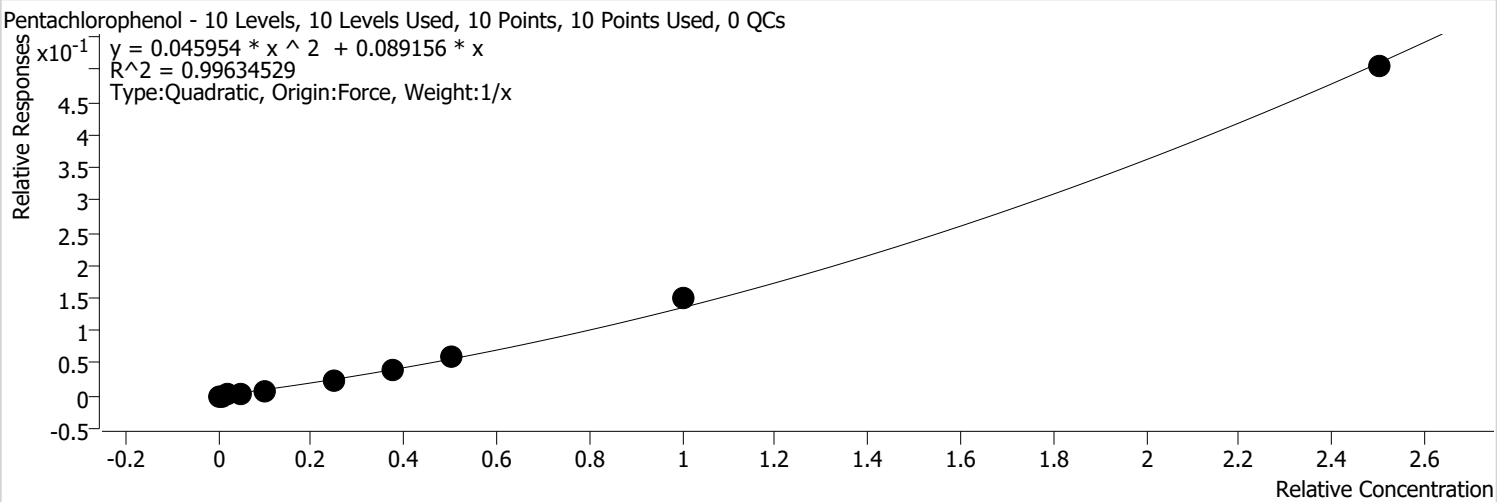
2,4,6-Tribromophenol %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	49	10.0000	0.1614	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	78	20.0000	0.1327	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	168	40.0000	0.1369	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	422	100.0000	0.1365	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	940	200.0000	0.1525	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	2482	500.0000	0.1672	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	4126	750.0000	0.1791	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	5767	1000.0000	0.1929	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	12827	2000.0000	0.2135	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	36053	5000.0000	0.2399	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

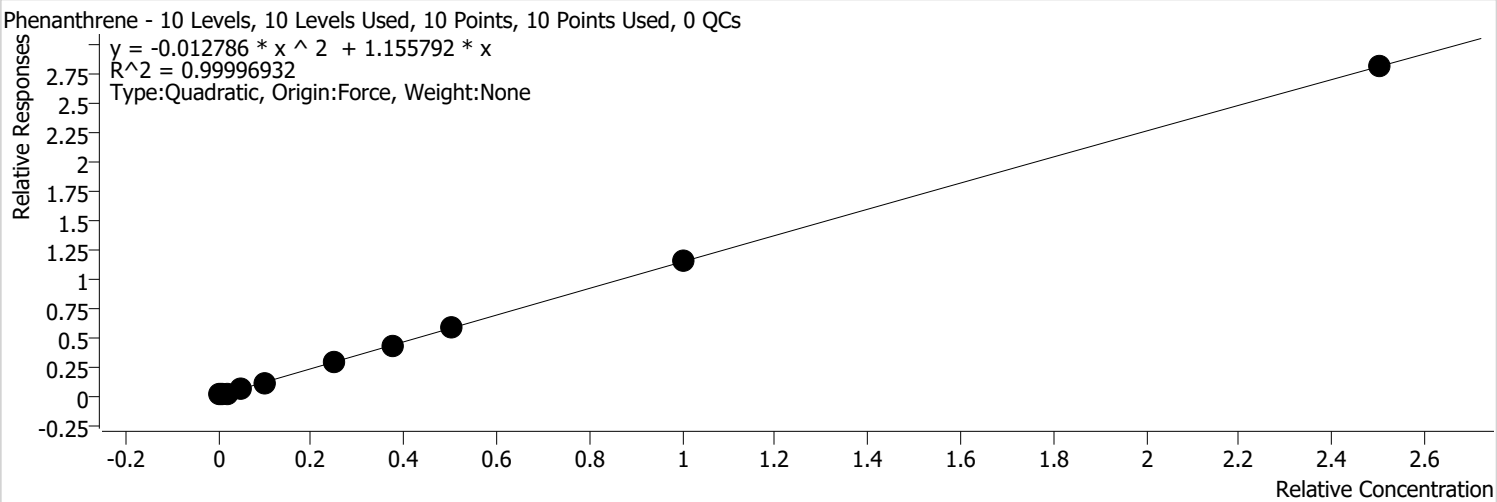
Pentachlorophenol %RSE = 33.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	22	10.0000	0.0739	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	28	20.0000	0.0474	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	61	40.0000	0.0493	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	155	100.0000	0.0503	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	404	200.0000	0.0655	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	1274	500.0000	0.0858	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	2368	750.0000	0.1028	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	3520	1000.0000	0.1178	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	8948	2000.0000	0.1489	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	30349	5000.0000	0.2019	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

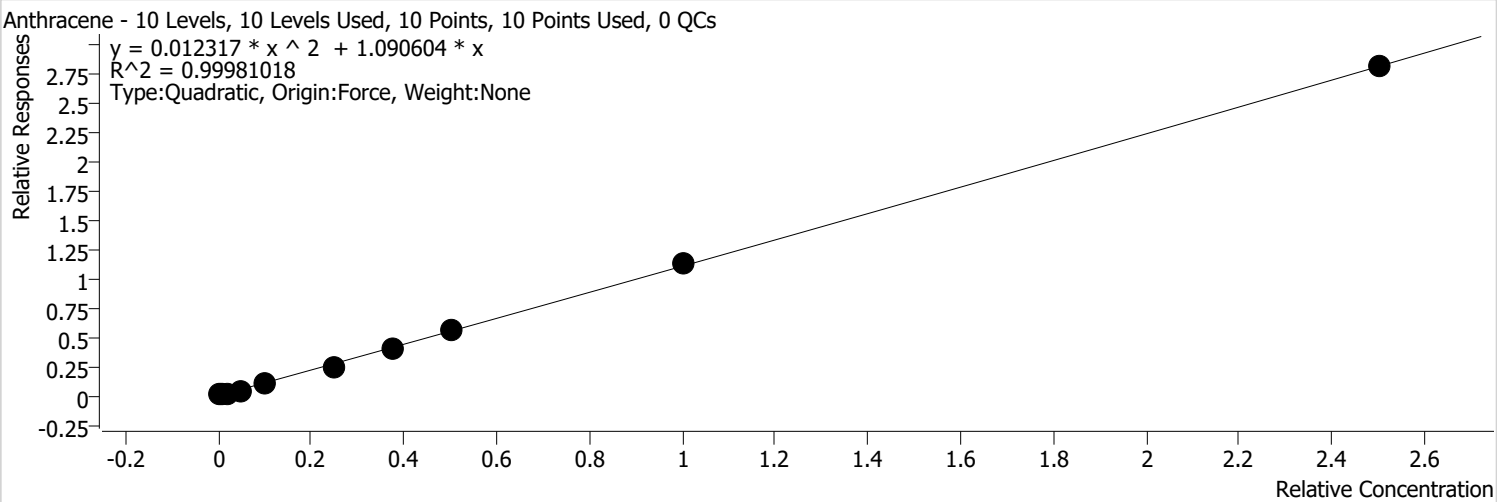
Phenanthrene %RSE = 17.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	810	10.0000	1.6776	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	1046	20.0000	1.1012	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	2229	40.0000	1.1393	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	5399	100.0000	1.0867	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	11134	200.0000	1.1134	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	27331	500.0000	1.1194	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	43075	750.0000	1.1330	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	57827	1000.0000	1.1637	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	117411	2000.0000	1.1459	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	296847	5000.0000	1.1236	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

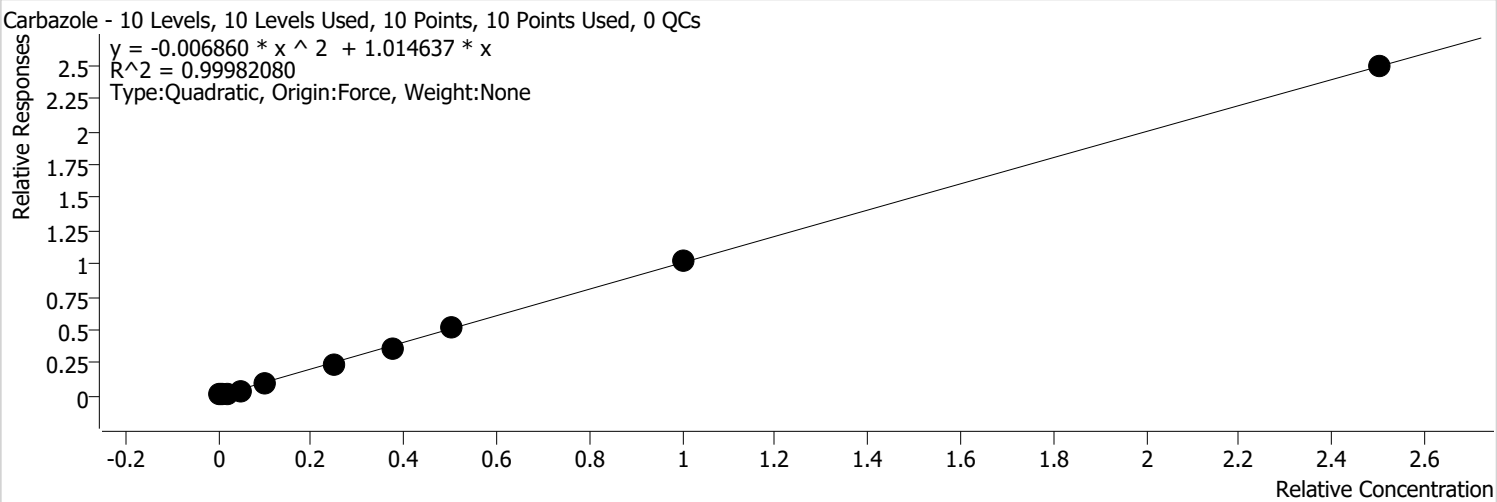
Anthracene %RSE = 14.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	496	10.0000	1.0273	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	820	20.0000	0.8632	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	1762	40.0000	0.9006	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	4376	100.0000	0.8808	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	9494	200.0000	0.9494	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	24692	500.0000	1.0113	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	40004	750.0000	1.0522	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	55155	1000.0000	1.1099	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	114568	2000.0000	1.1181	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	296036	5000.0000	1.1206	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
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Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

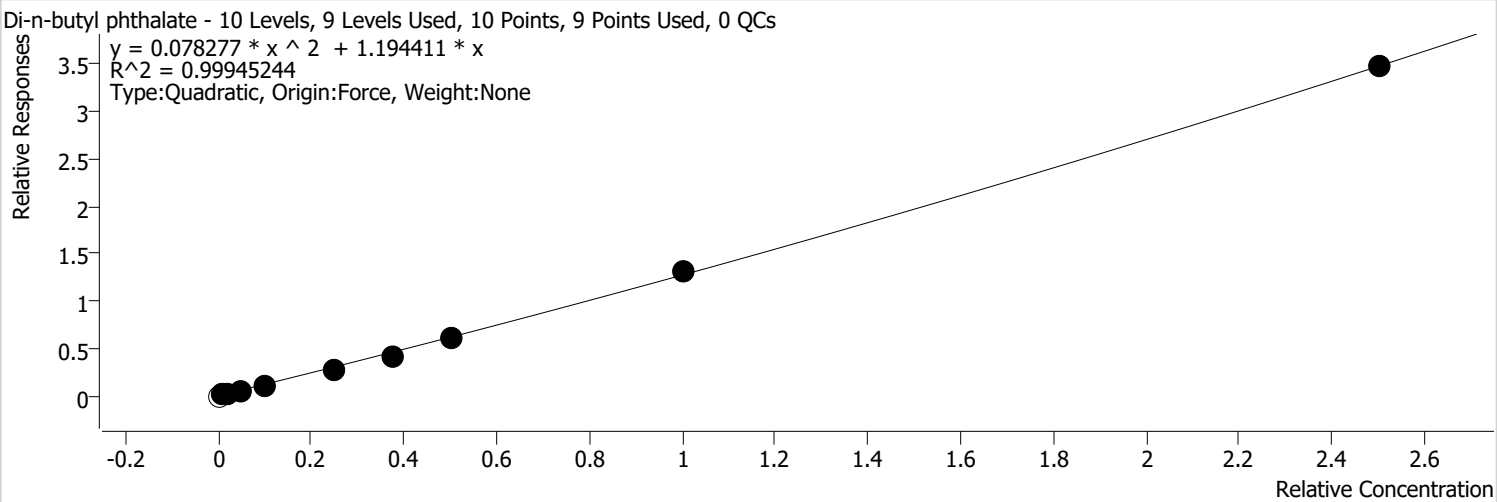
Carbazole %RSE = 13.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	479	10.0000	0.9930	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	779	20.0000	0.8201	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	1638	40.0000	0.8372	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	4054	100.0000	0.8159	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	8877	200.0000	0.8877	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	23067	500.0000	0.9447	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	37085	750.0000	0.9754	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	51411	1000.0000	1.0346	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	104170	2000.0000	1.0167	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	263376	5000.0000	0.9969	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
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Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

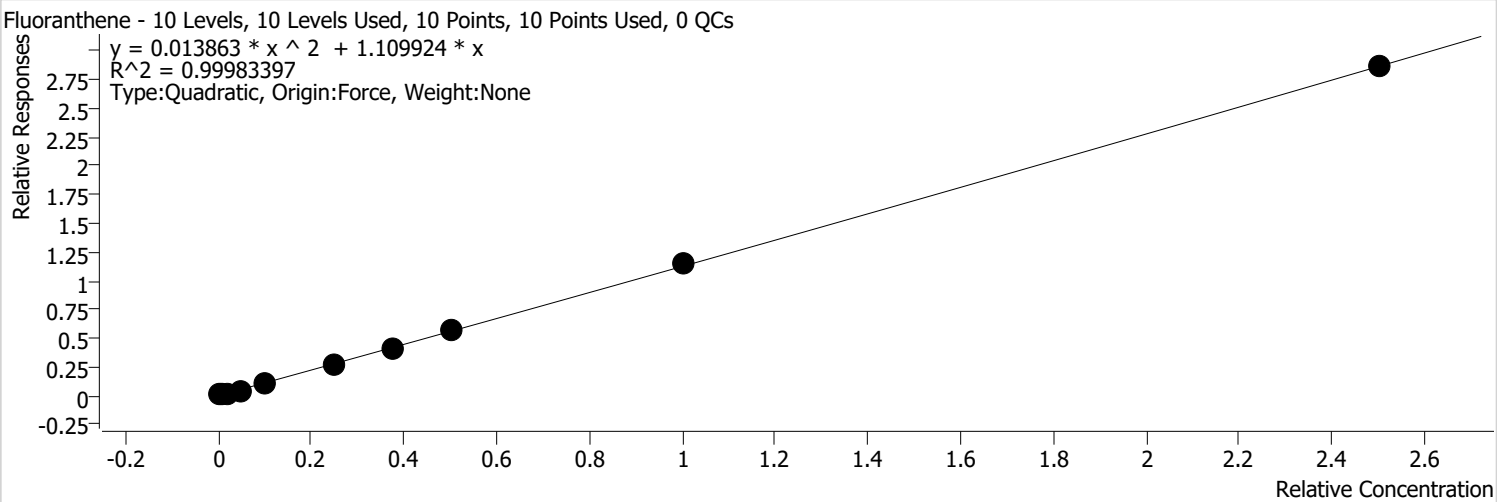
Di-n-butyl phthalate %RSE = 17.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1		0	10.0000	0.0000	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	1014	20.0000	1.0670	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	1909	40.0000	0.9757	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	4440	100.0000	0.8936	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	9451	200.0000	0.9451	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	25612	500.0000	1.0489	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	43205	750.0000	1.1364	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	60768	1000.0000	1.2229	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	134703	2000.0000	1.3147	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	366686	5000.0000	1.3880	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
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Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

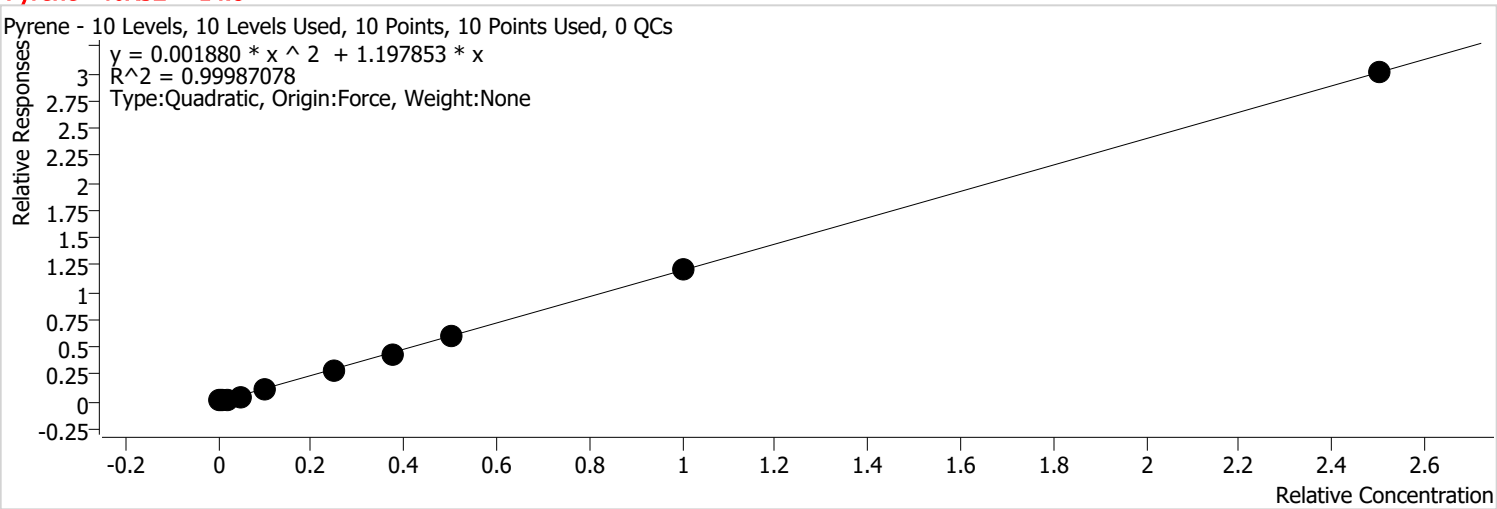
Fluoranthene %RSE = 11.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	614	10.0000	1.2707	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	920	20.0000	0.9688	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	1906	40.0000	0.9743	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	4683	100.0000	0.9427	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	9912	200.0000	0.9912	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	25284	500.0000	1.0355	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	40701	750.0000	1.0705	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	55813	1000.0000	1.1231	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	116868	2000.0000	1.1406	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	302148	5000.0000	1.1437	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
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Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

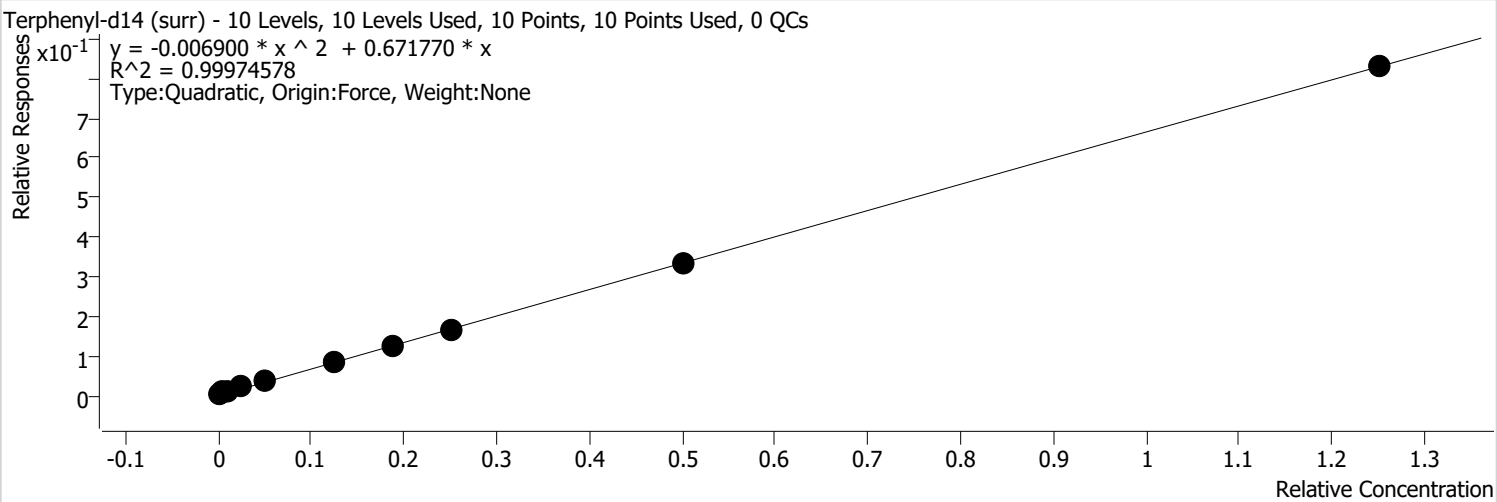
Pyrene %RSE = 14.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	749	10.0000	1.5510	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	1007	20.0000	1.0598	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	2063	40.0000	1.0546	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	5046	100.0000	1.0156	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	10779	200.0000	1.0779	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	27456	500.0000	1.1245	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	44107	750.0000	1.1601	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	60063	1000.0000	1.2087	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	124369	2000.0000	1.2138	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	317496	5000.0000	1.2018	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

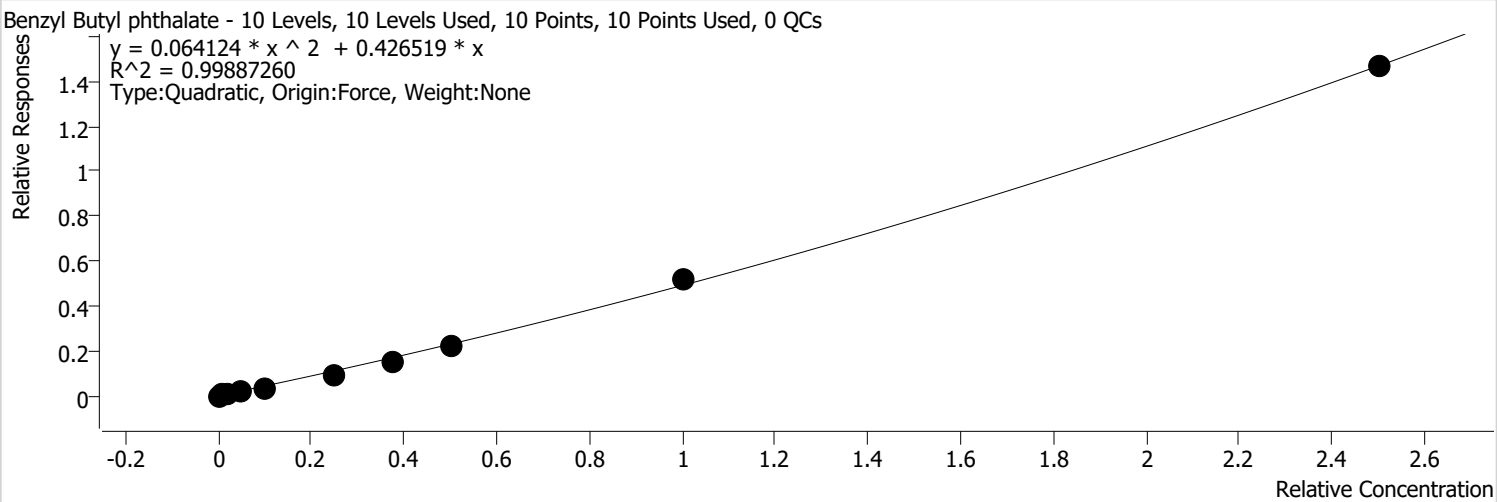
Terphenyl-d14 (surr) %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	387	5.0000	1.6034	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	1072	10.0000	2.2578	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	1199	20.0000	1.2261	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	2276	50.0000	0.9162	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	3585	100.0000	0.7170	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	8116	250.0000	0.6648	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	12553	375.0000	0.6604	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	16807	500.0000	0.6764	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	34140	1000.0000	0.6664	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	87611	2500.0000	0.6633	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

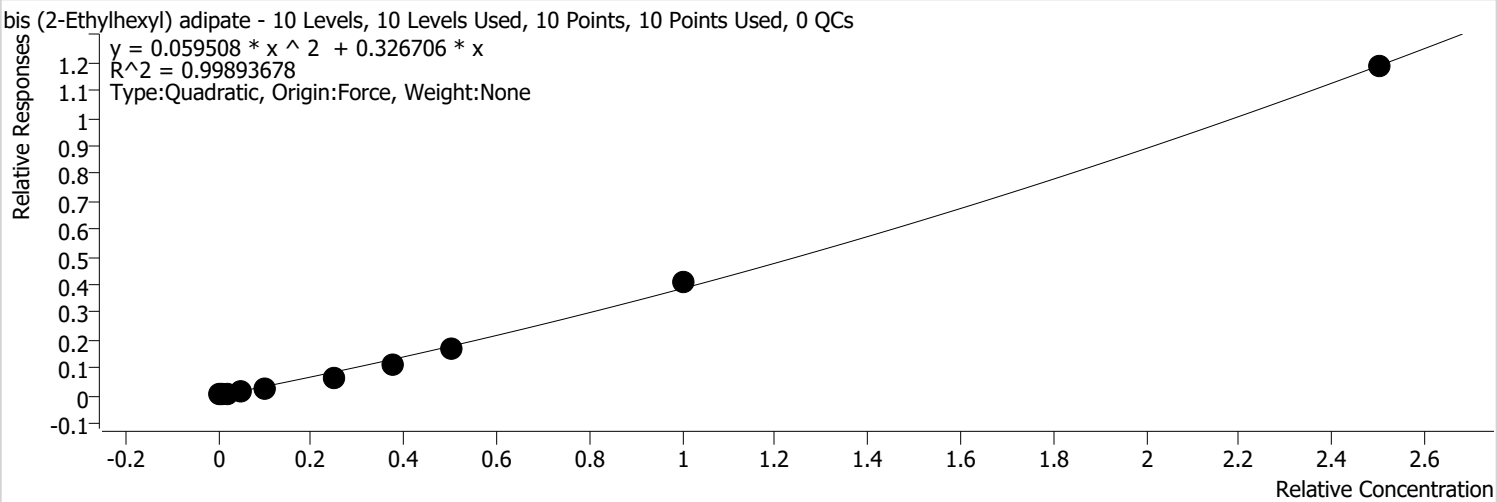
Benzyl Butyl phthalate %RSE = 25.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	285	20.0000	0.3005	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	589	40.0000	0.3010	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	1452	100.0000	0.2923	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	3089	200.0000	0.3089	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	8525	500.0000	0.3491	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	15030	750.0000	0.3953	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	21855	1000.0000	0.4398	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	53211	2000.0000	0.5193	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	154663	5000.0000	0.5854	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:57 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

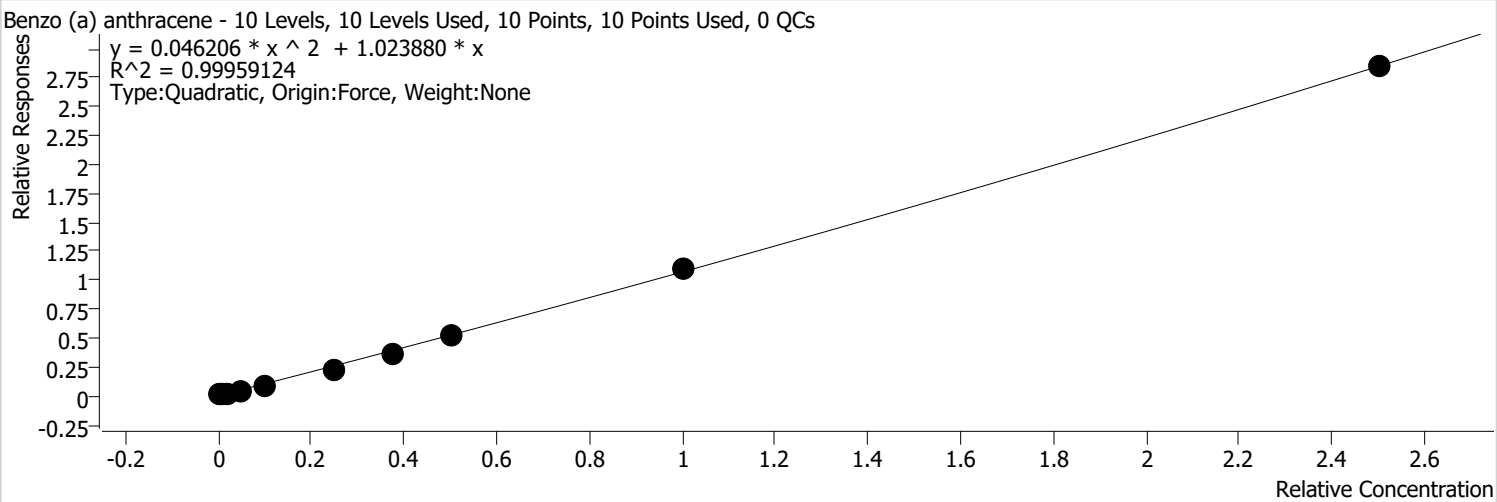
bis (2-Ethylhexyl) adipate %RSE = 22.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	168	10.0000	0.3476	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	239	20.0000	0.2511	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	471	40.0000	0.2406	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	1122	100.0000	0.2257	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	2404	200.0000	0.2404	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	6689	500.0000	0.2739	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	11577	750.0000	0.3045	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	16829	1000.0000	0.3387	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	41941	2000.0000	0.4093	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	125320	5000.0000	0.4744	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:57 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

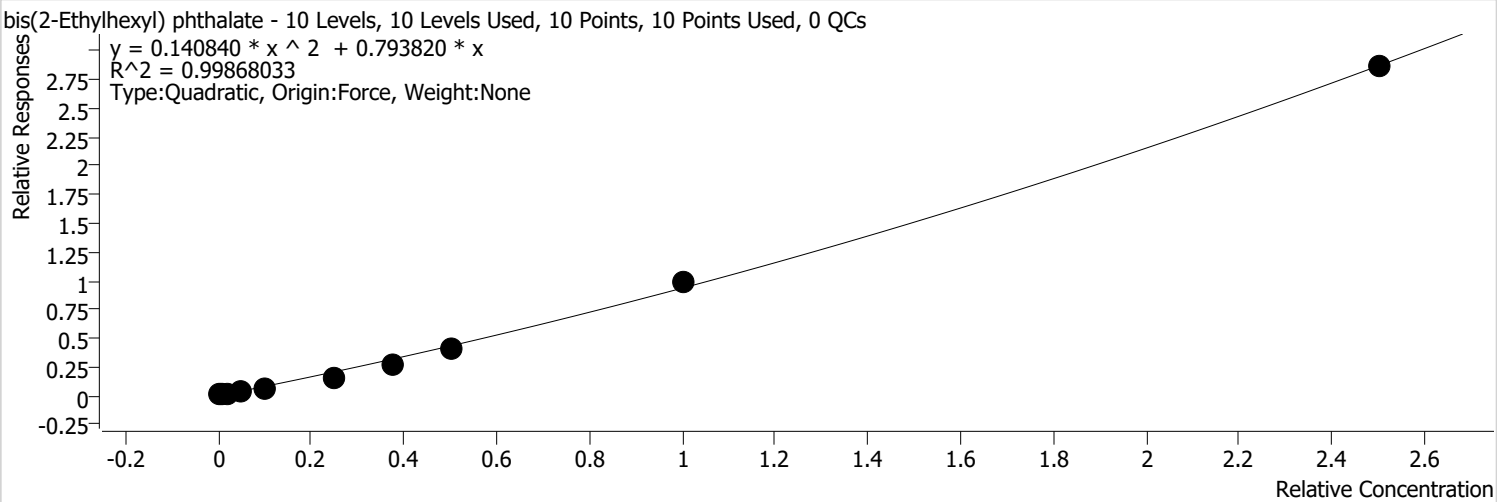
Benzo (a) anthracene %RSE = 17.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	619	10.0000	1.2820	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	920	20.0000	0.9685	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	1700	40.0000	0.8689	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	3815	100.0000	0.7679	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	8155	200.0000	0.8155	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	22292	500.0000	0.9130	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	37290	750.0000	0.9808	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	52035	1000.0000	1.0471	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	112516	2000.0000	1.0981	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	300629	5000.0000	1.1379	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:57 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

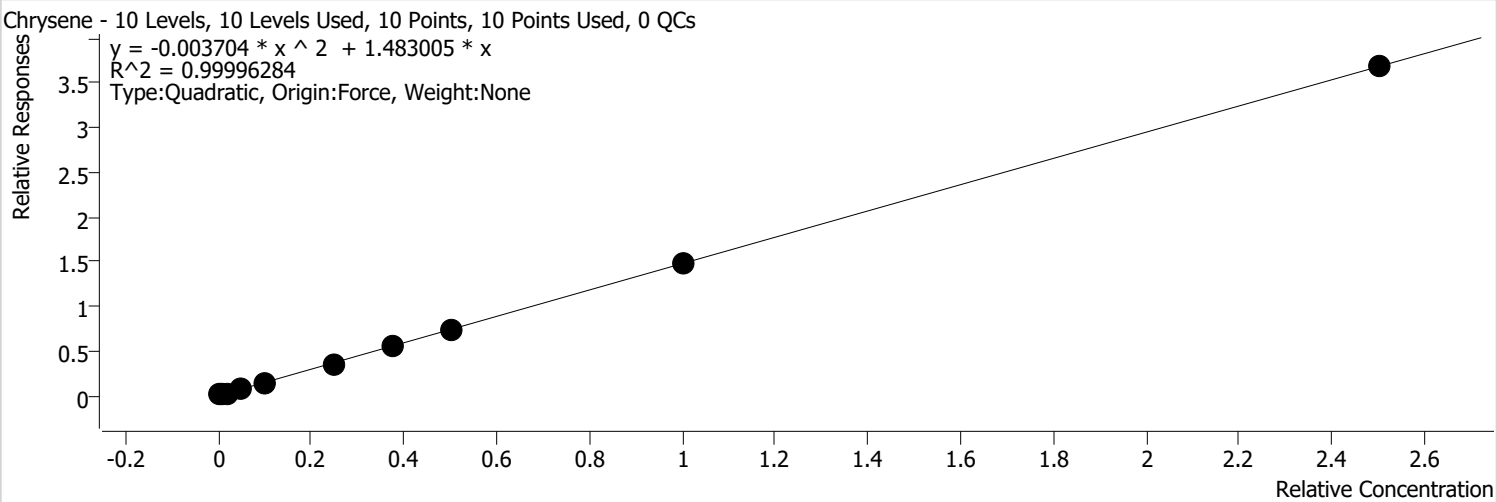
bis(2-Ethylhexyl) phthalate %RSE = 24.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	263	10.0000	0.7886	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	388	20.0000	0.5901	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	767	40.0000	0.5681	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	1862	100.0000	0.5426	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	4012	200.0000	0.5713	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	11275	500.0000	0.6445	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	19947	750.0000	0.7290	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	29592	1000.0000	0.8143	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	74338	2000.0000	0.9971	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	219232	5000.0000	1.1429	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:57 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

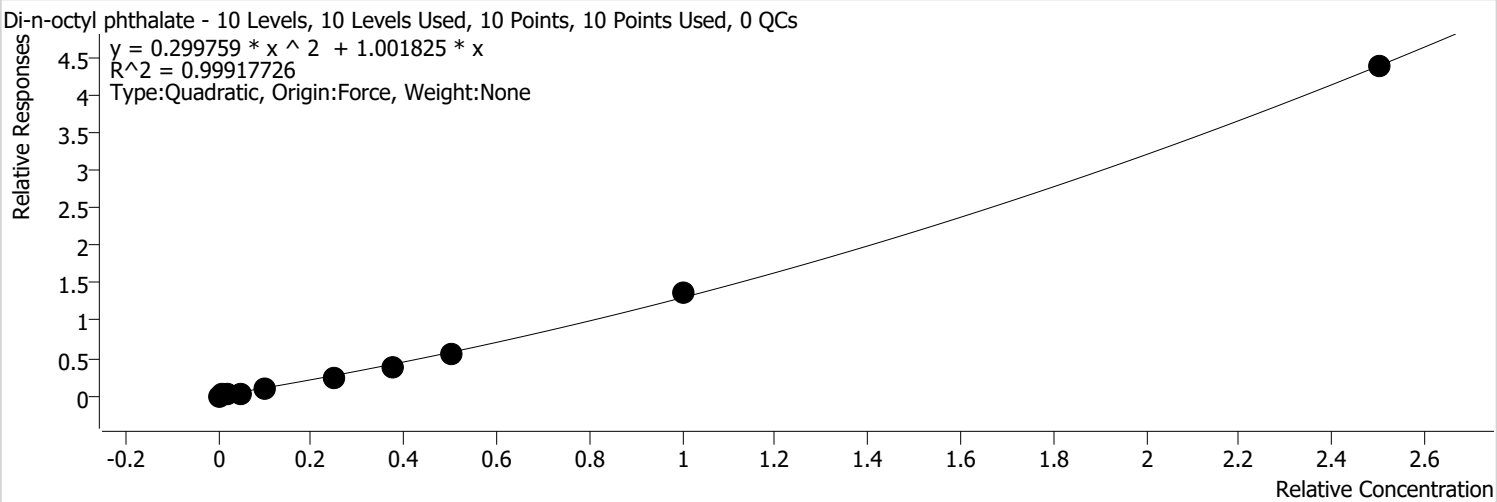
Chrysene %RSE = 4.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	549	10.0000	1.6472	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	958	20.0000	1.4571	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	1962	40.0000	1.4533	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	4896	100.0000	1.4264	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	10148	200.0000	1.4452	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	25147	500.0000	1.4375	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	39695	750.0000	1.4507	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	53705	1000.0000	1.4778	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	111208	2000.0000	1.4916	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	282572	5000.0000	1.4731	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:57 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

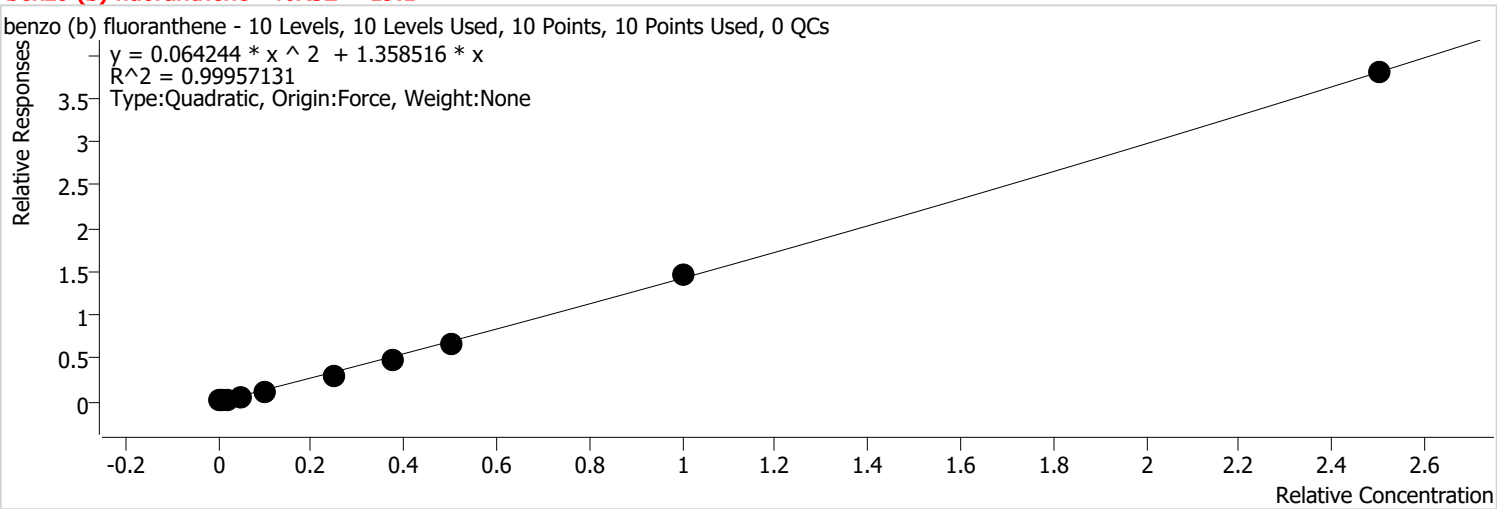
Di-n-octyl phthalate %RSE = 16.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	320	10.0000	0.9596	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	552	20.0000	0.8390	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	1118	40.0000	0.8283	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	2720	100.0000	0.7925	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	5751	200.0000	0.8190	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	15441	500.0000	0.8827	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	26380	750.0000	0.9641	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	39134	1000.0000	1.0769	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	102821	2000.0000	1.3791	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	335214	5000.0000	1.7476	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:57 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

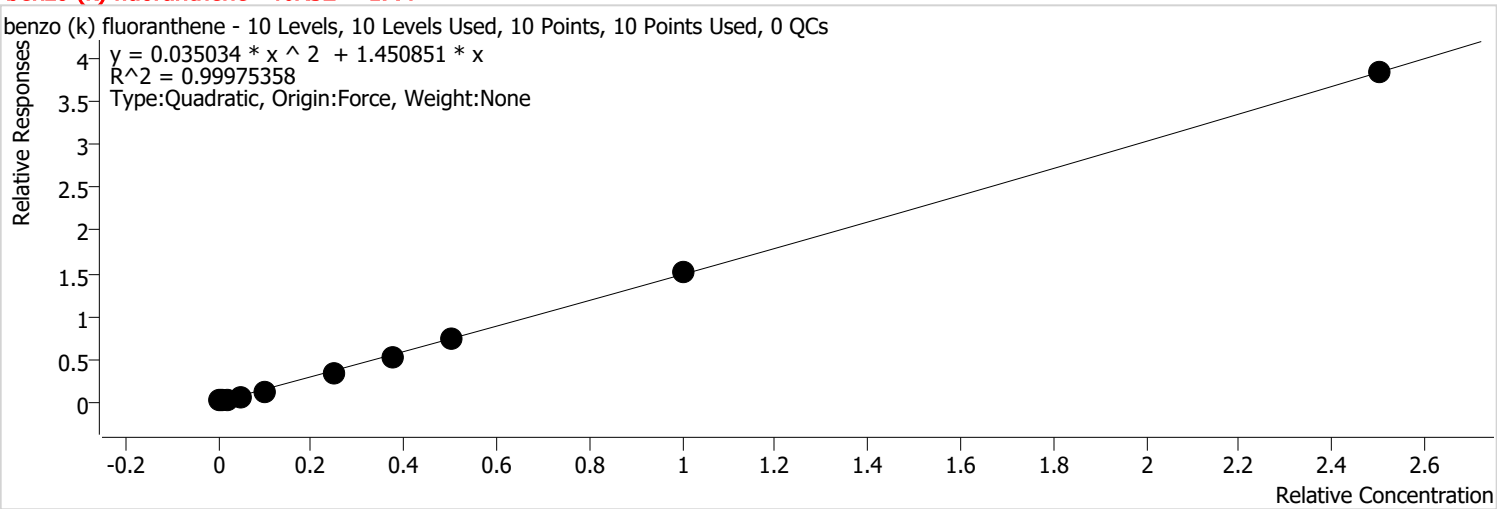
benzo (b) fluoranthene %RSE = 19.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	378	10.0000	1.1342	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	661	20.0000	1.0054	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	1372	40.0000	1.0163	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	3592	100.0000	1.0465	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	7966	200.0000	1.1345	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	21700	500.0000	1.2405	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	35922	750.0000	1.3128	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	48900	1000.0000	1.3456	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	109562	2000.0000	1.4695	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	290963	5000.0000	1.5169	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:57 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

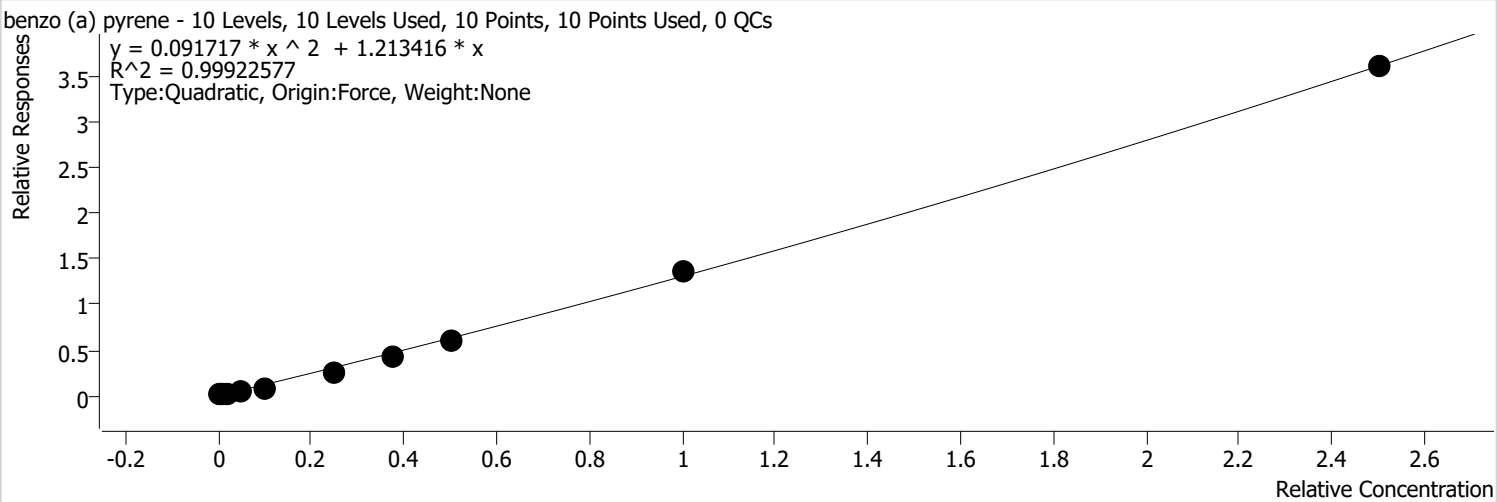
benzo (k) fluoranthene %RSE = 17.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	455	10.0000	1.3652	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	753	20.0000	1.1453	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	1487	40.0000	1.1015	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	3785	100.0000	1.1027	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	8194	200.0000	1.1670	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	23386	500.0000	1.3369	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	38518	750.0000	1.4077	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	54384	1000.0000	1.4965	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	112248	2000.0000	1.5055	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	294877	5000.0000	1.5373	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:57 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

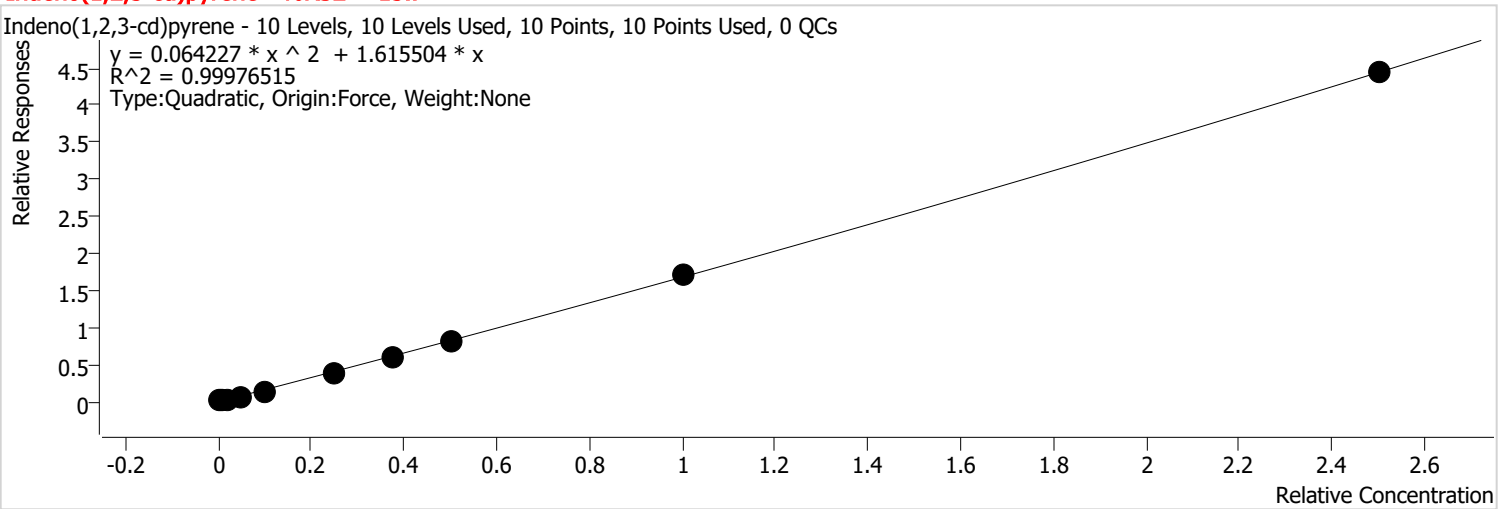
benzo (a) pyrene %RSE = 23.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	346	10.0000	1.0392	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	557	20.0000	0.8473	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	1184	40.0000	0.8773	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	2901	100.0000	0.8452	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	6398	200.0000	0.9111	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	18311	500.0000	1.0467	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	31364	750.0000	1.1463	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	44399	1000.0000	1.2217	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	101580	2000.0000	1.3625	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	276196	5000.0000	1.4399	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:57 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

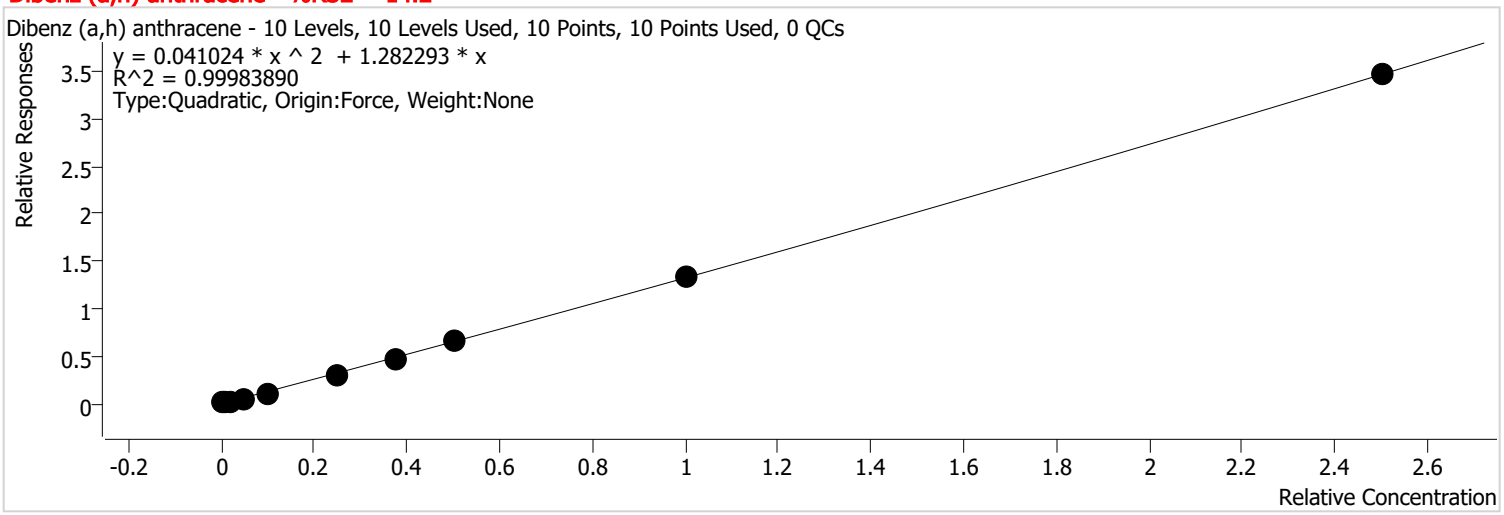
Indeno(1,2,3-cd)pyrene %RSE = 15.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	541	10.0000	1.4540	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	925	20.0000	1.2665	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	1924	40.0000	1.2789	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	4875	100.0000	1.2876	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	10714	200.0000	1.3865	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	28578	500.0000	1.4928	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	46954	750.0000	1.5628	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	65014	1000.0000	1.6502	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	140606	2000.0000	1.7126	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	375123	5000.0000	1.7744	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:57 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

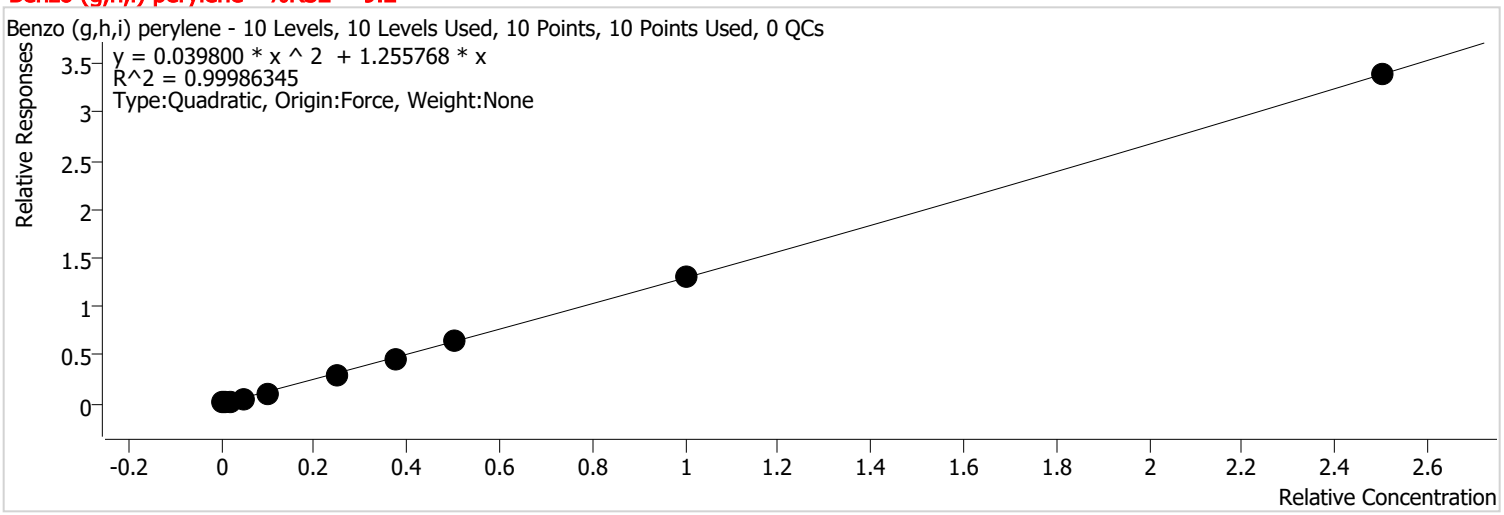
Dibenz (a,h) anthracene %RSE = 14.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	424	10.0000	1.1395	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	761	20.0000	1.0417	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	1556	40.0000	1.0348	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	3971	100.0000	1.0489	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	8684	200.0000	1.1239	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	22994	500.0000	1.2011	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	37506	750.0000	1.2483	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	51774	1000.0000	1.3142	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	110156	2000.0000	1.3417	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	292565	5000.0000	1.3839	

Batch Path	C:\GC-14\Data\2024\072524\QuantResults\PAH ICAL.batch.bin		
Analysis Time	7/26/2024 11:06 AM	**Analyst Name**	FA\GC14
Report Time	7/26/2024 11:07:57 AM	**Reporter Name**	FA\GC14
Last Calib Update	7/26/2024 11:06 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Benzo (g,h,i) perylene %RSE = 9.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\072524\072503.D	Calibration	1	x	471	10.0000	1.2653	
C:\GC-14\Data\2024\072524\072504.D	Calibration	2	x	823	20.0000	1.1265	
C:\GC-14\Data\2024\072524\072505.D	Calibration	3	x	1660	40.0000	1.1040	
C:\GC-14\Data\2024\072524\072506.D	Calibration	4	x	4118	100.0000	1.0876	
C:\GC-14\Data\2024\072524\072507.D	Calibration	5	x	8759	200.0000	1.1336	
C:\GC-14\Data\2024\072524\072508.D	Calibration	6	x	22759	500.0000	1.1888	
C:\GC-14\Data\2024\072524\072509.D	Calibration	7	x	36602	750.0000	1.2183	
C:\GC-14\Data\2024\072524\072510.D	Calibration	8	x	50483	1000.0000	1.2814	
C:\GC-14\Data\2024\072524\072511.D	Calibration	9	x	107895	2000.0000	1.3141	
C:\GC-14\Data\2024\072524\072512.D	Calibration	10	x	286315	5000.0000	1.3543	

Semivolatile Calibration

	Cal		ICV	
Date: 7/25/24	8270 Megamix:	29691	8270 Megamix:	30153
Analyst: Ramiro Garcia	2,4-DNP:	30057	2,4-DNP:	26831
MeCl2: 8327	Benzoic Acid:	30095	Benzoic Acid:	30174
8270 Surrogate: 30166	Benzidines:	SVOC ADDITIONS 30156	Benzidines:	28495
Internal Standard: 30178				

TRPH: 26313

Spike Conc. (ppb)	BN/Acid Surr Conc. (ppb)	2° Spike (uL)	B/N Surr (uL)	Internal Standard (uL)	Remove (uL)	Final Vol. (mL)	Comments
2	2/1	0.2	--	10	10.2	1	For PAH-LL Cal Only
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	50 ~~40~~ 26 7/25	--	10	60 ~~50~~ 26 7/25	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		5	10	15	1	
ICV (1000 ppb)	1000/500	100 (2° SS)	--	10	110	1	

	Mega Mix (uL)	2,4-DNP (uL)	Benzoic Acid	8270 Surr	~~Benzidine~~	Final
2° Intermediate (cal)	1000	1000	1000	5000	~~500~~ 26 7/25	100
2° Intermediate (SS)	100	100	100	500	50	10

SVOC ADDS: 1000 mL

TRPH: 900 mL

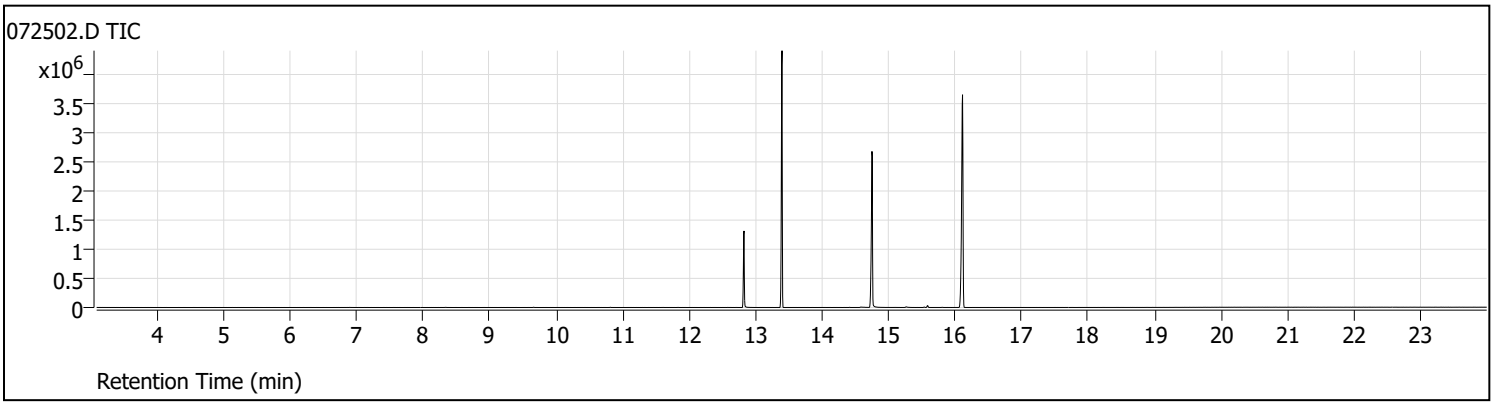
Signature and Date: 7/25/24

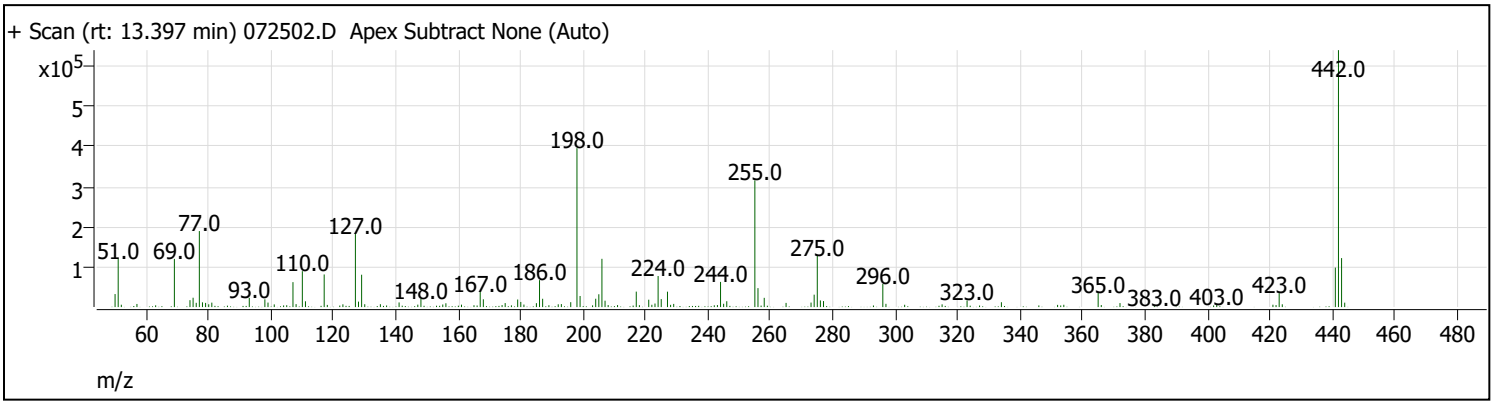
Signature: AK

Tunes

Tune Evaluation Report

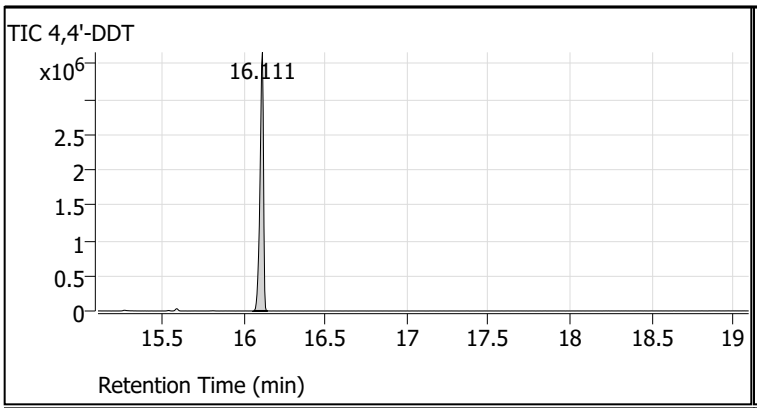
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Acq on:	7/25/2024 11:50:48 AM
Operator:	FA\GC14
Sample:	tune
Inst Name:	GC-14
ALS Vial:	1
Method:	C:\GC-14\Methods\Quant Methods\TUNE\DFTPPwBreak&TailingGC218270E.m

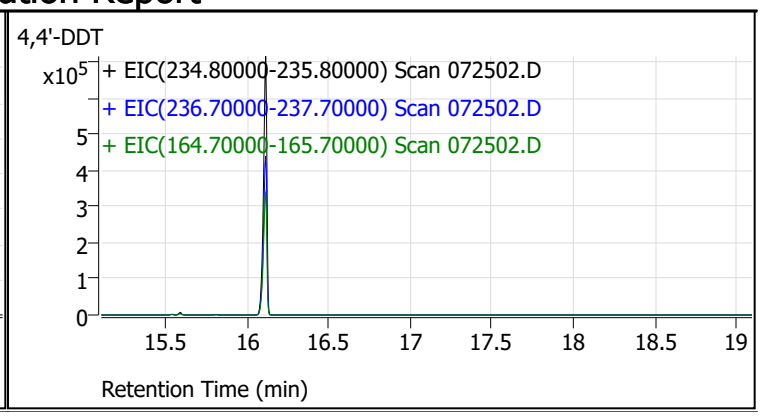


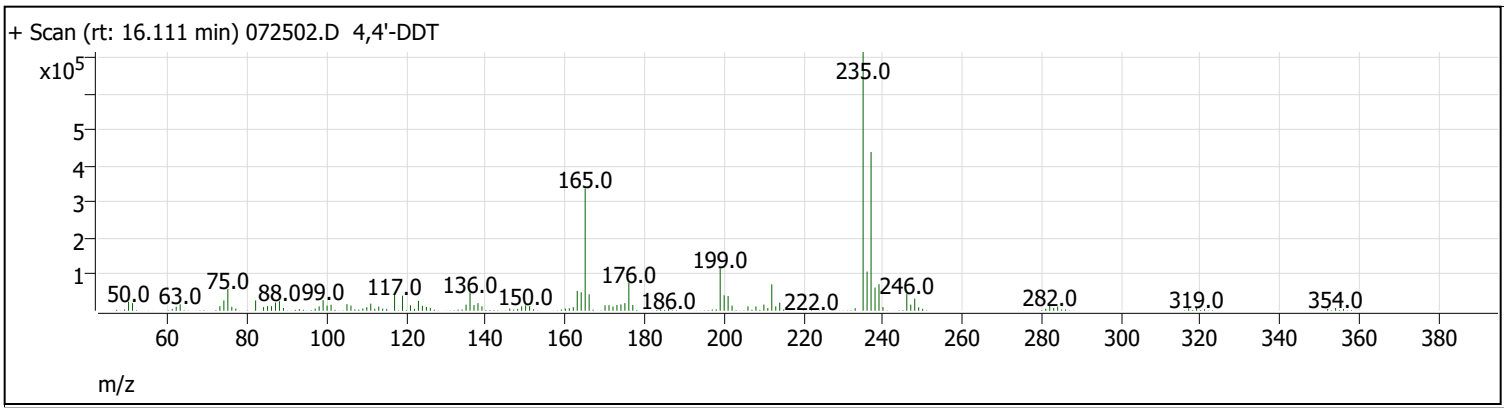


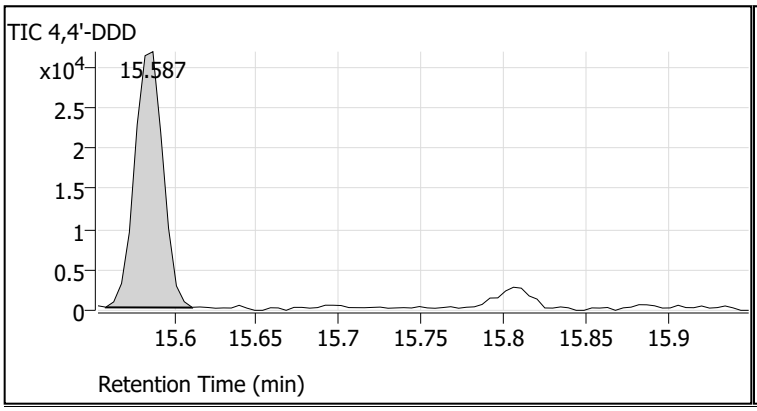
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	1.5	1799	Pass
70	69	0	2	0.6	737	Pass
197	198	0	2	0.0	0	Pass
198	198	100	100	100.0	395648	Pass
199	198	5	9	7.0	27624	Pass
365	442	1	100	5.6	35928	Pass
441	443	1E-10	150	80.7	98336	Pass
442	442	100	100	100.0	639552	Pass
443	442	15	24	19.1	121888	Pass
69	69	100	100	100.0	119960	Pass

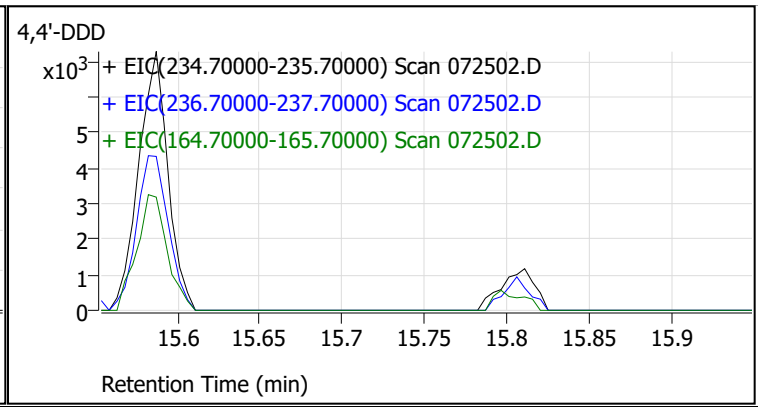
Tune Evaluation Report

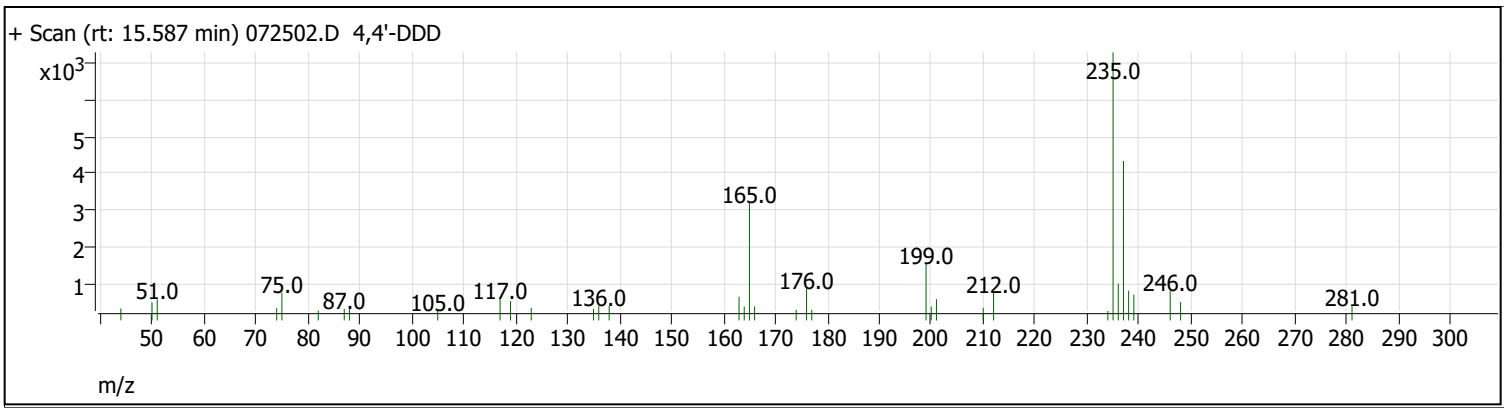






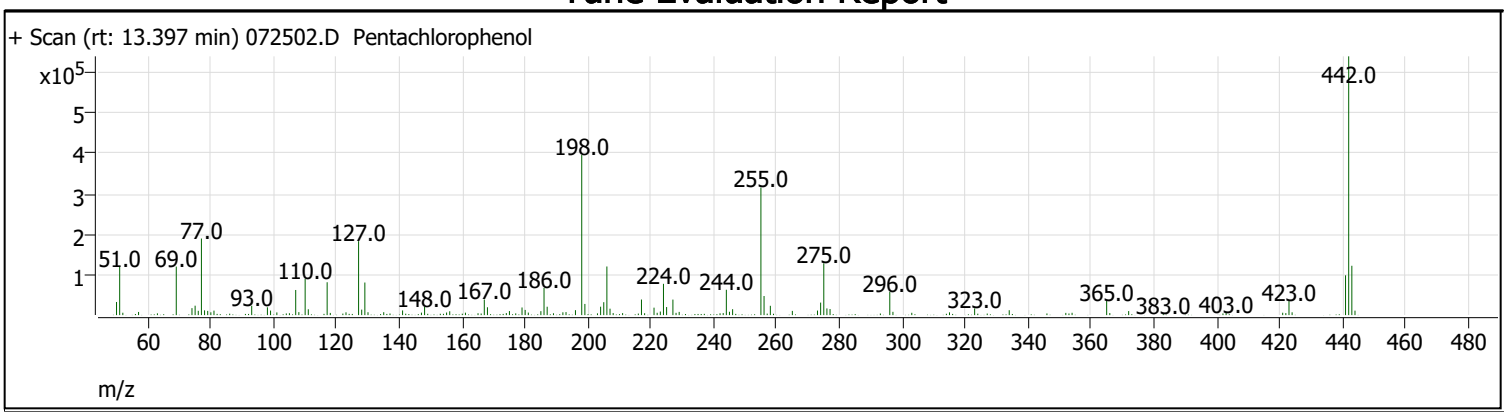


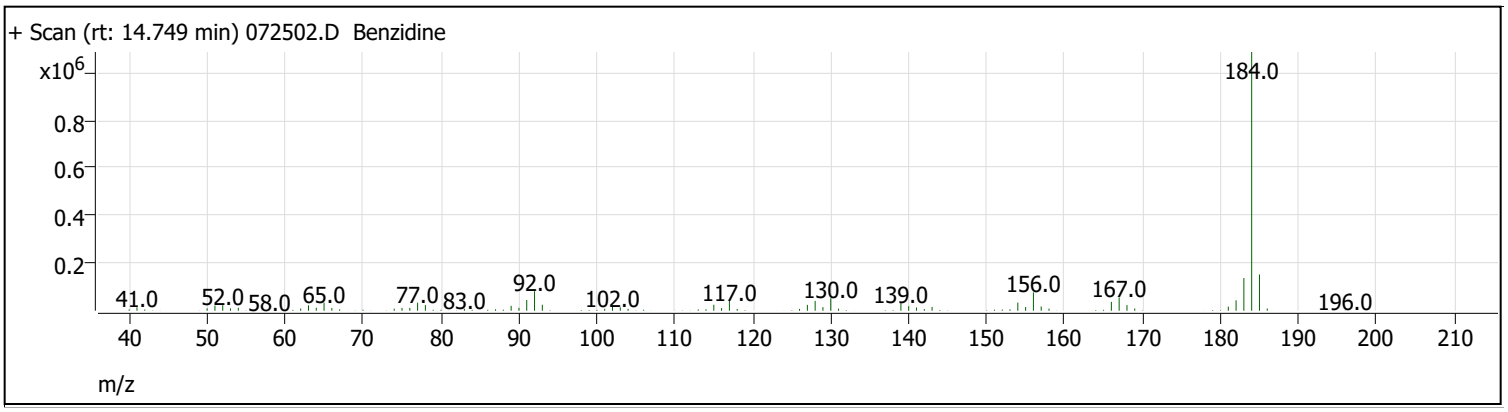




Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	17.100	16.111	5418202	0.7	Pass
4,4'-DDD	15.750	15.587	37906		

Tune Evaluation Report

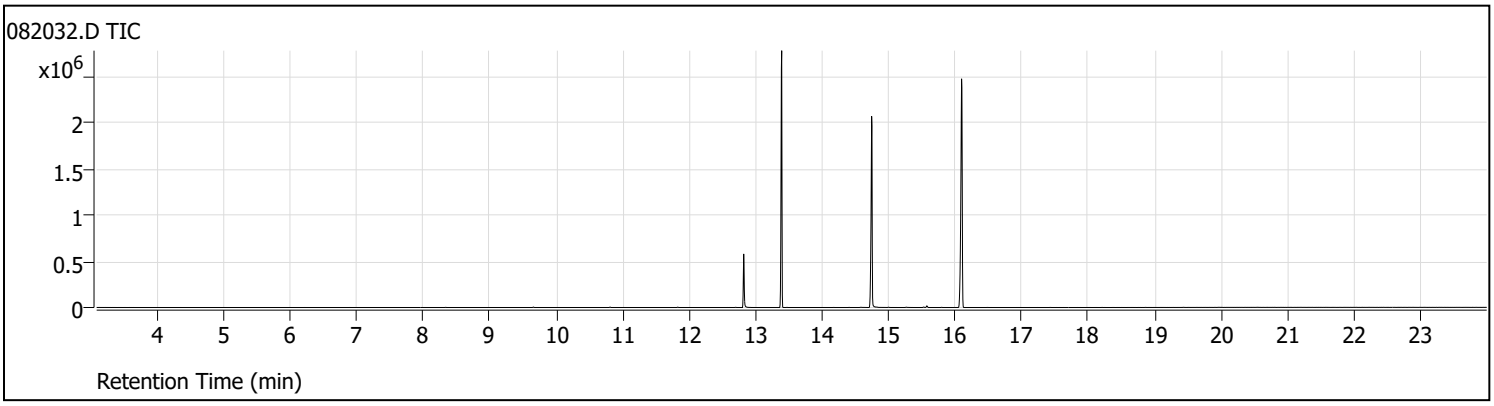


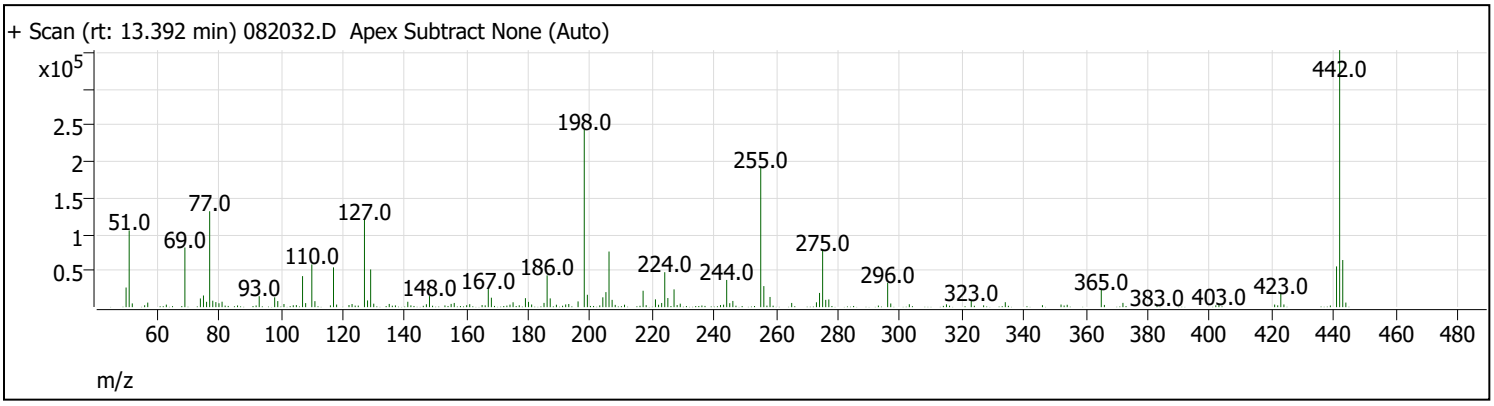


Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	13.420	13.397	0.5	8.4	Pass
Benzidine	15.500	14.749	0.6	6.9	Pass

Tune Evaluation Report

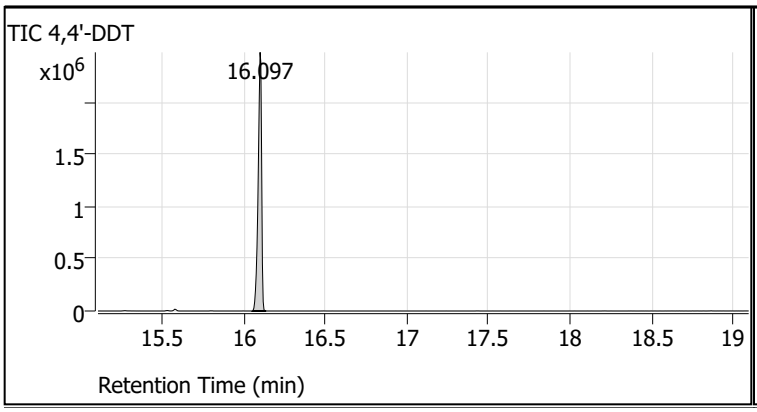
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Acq on:	8/21/2024 2:33:47 AM
Operator:	FA\GC14
Sample:	tune
Inst Name:	GC-14
ALS Vial:	1
Method:	Y:\GC-14\Methods\Quant Methods\TUNE\DFTPPwBreak&TailingGC218270E.m

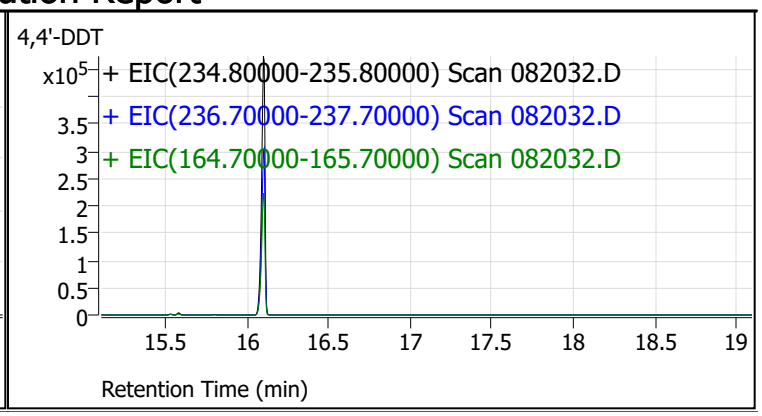


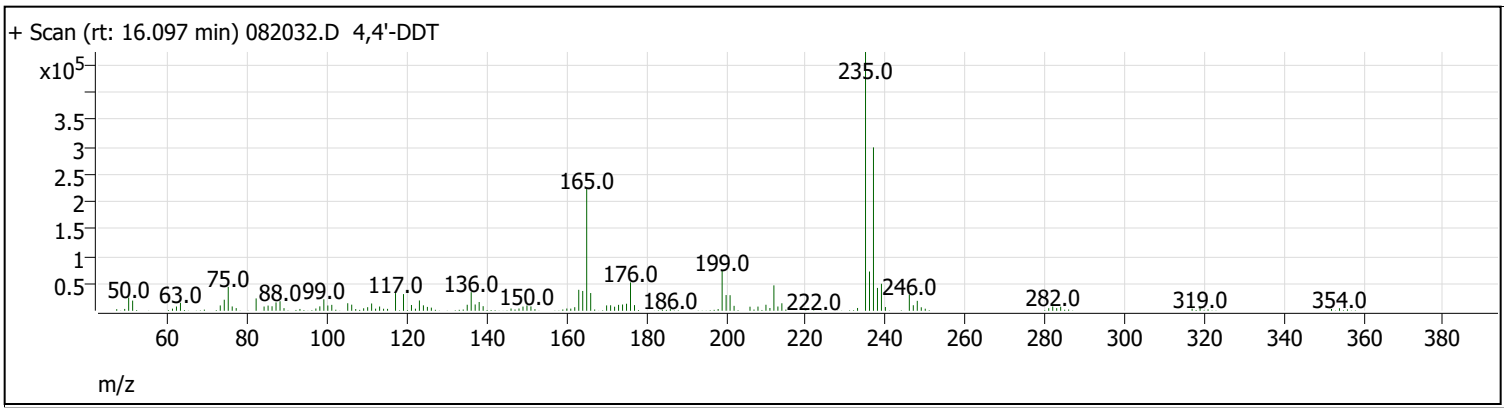


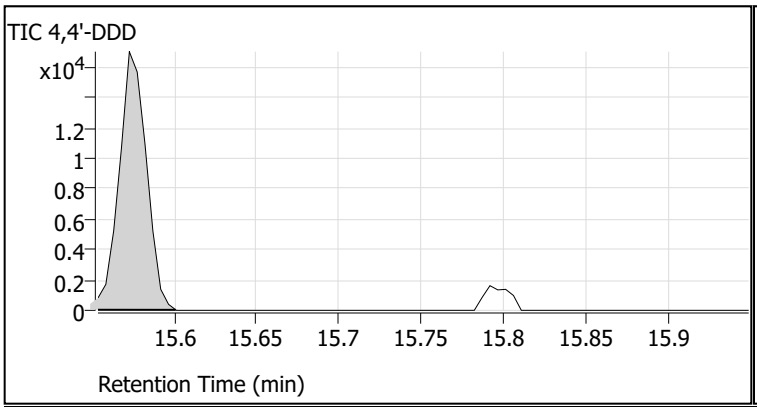
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	1.8	1502	Pass
70	69	0	2	0.7	579	Pass
197	198	0	2	0.0	0	Pass
198	198	100	100	100.0	243712	Pass
199	198	5	9	7.0	17024	Pass
365	442	1	100	6.8	23960	Pass
441	443	1E-10	150	86.5	56024	Pass
442	442	100	100	100.0	353280	Pass
443	442	15	24	18.3	64760	Pass
69	69	100	100	100.0	82000	Pass

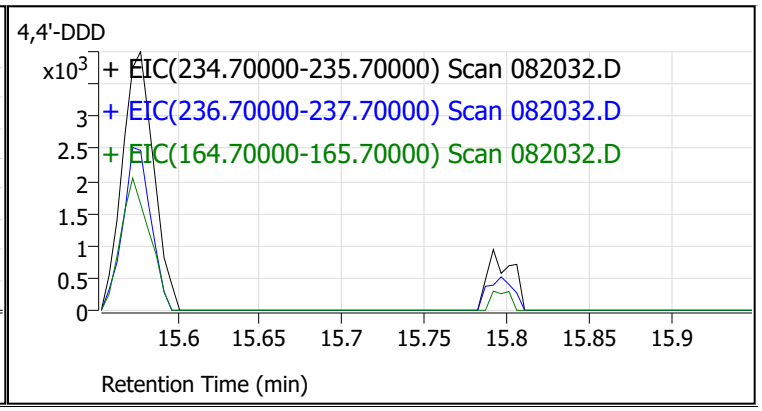
Tune Evaluation Report

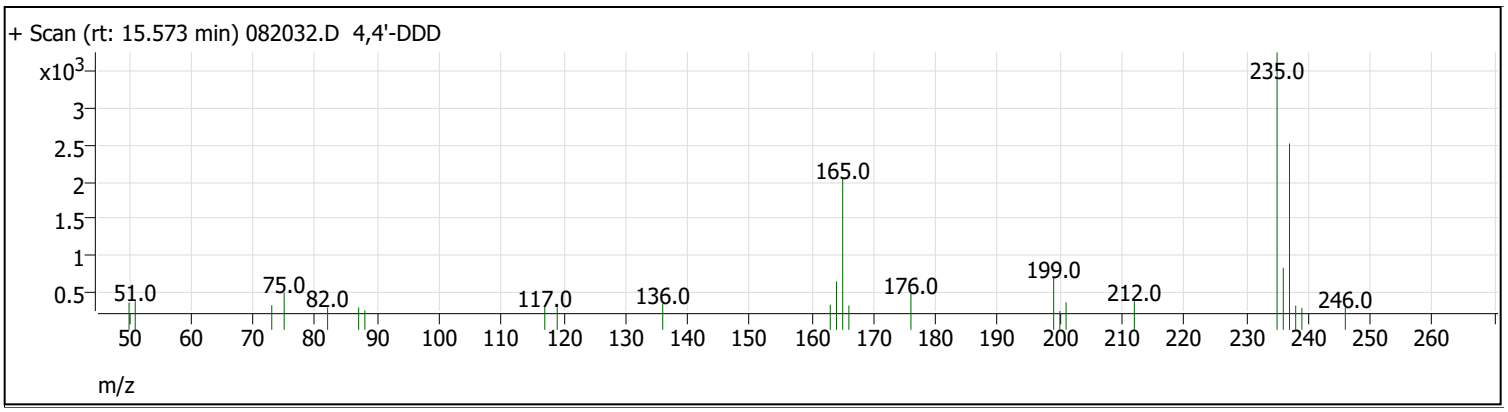






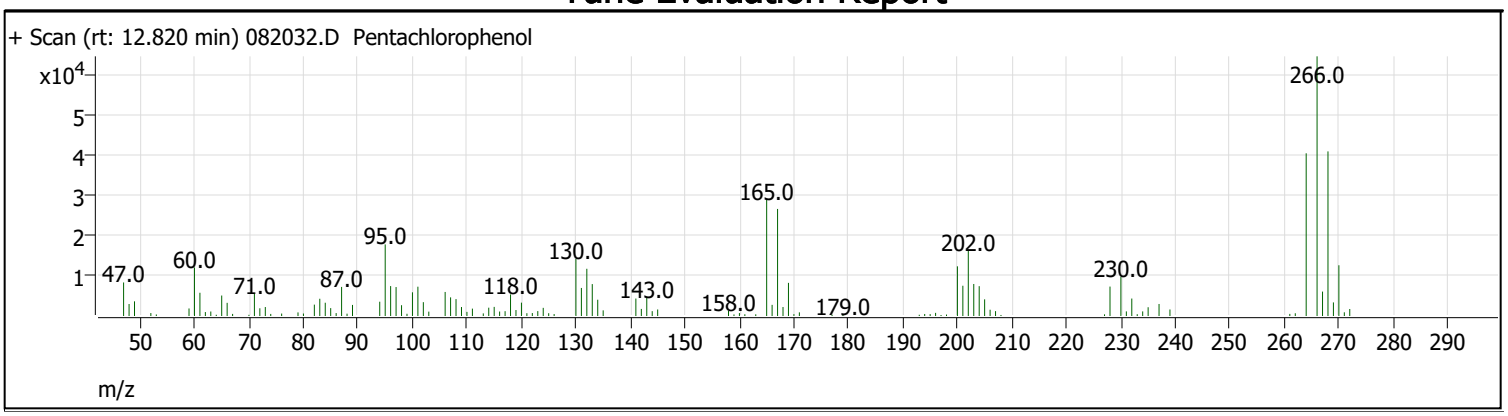


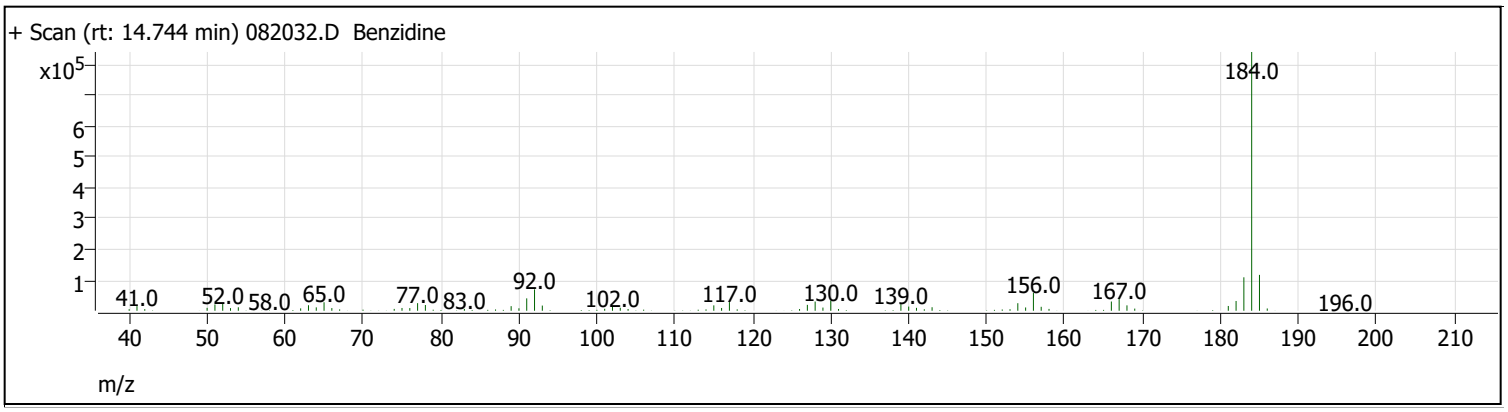




Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	17.100	16.097	3646287	0.5	Pass
4,4'-DDD	15.750	15.573	19686		

Tune Evaluation Report

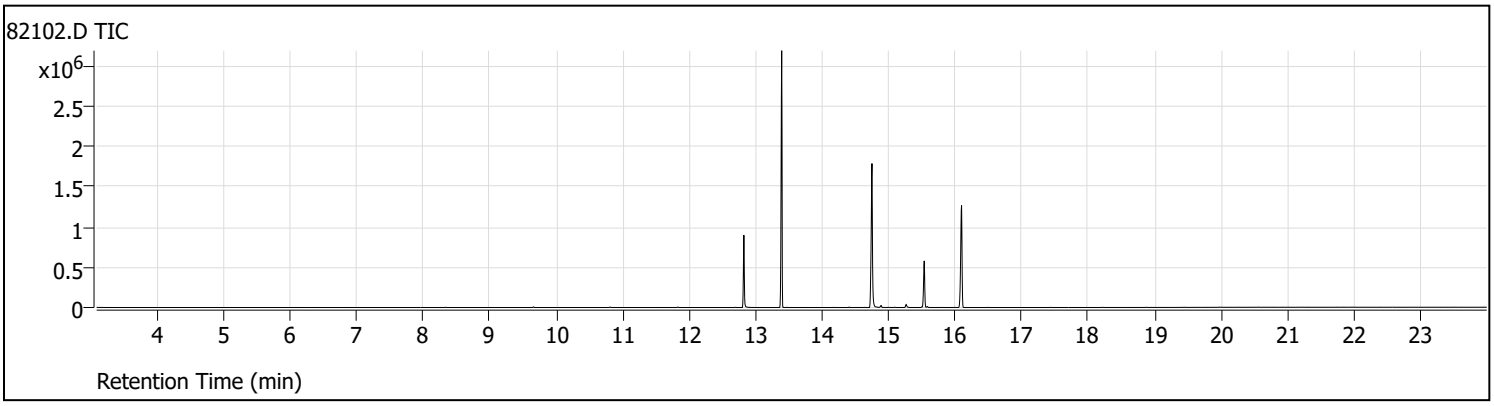


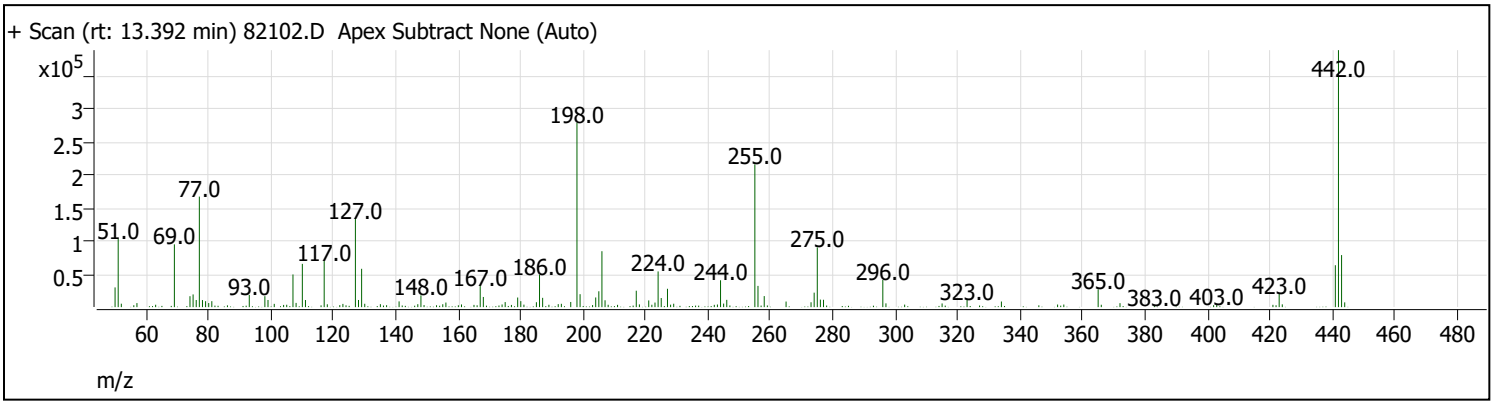


Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	13.350	12.820	1.2	3.7	Pass
Benzidine	15.500	14.744	0.6	3.0	Pass

Tune Evaluation Report

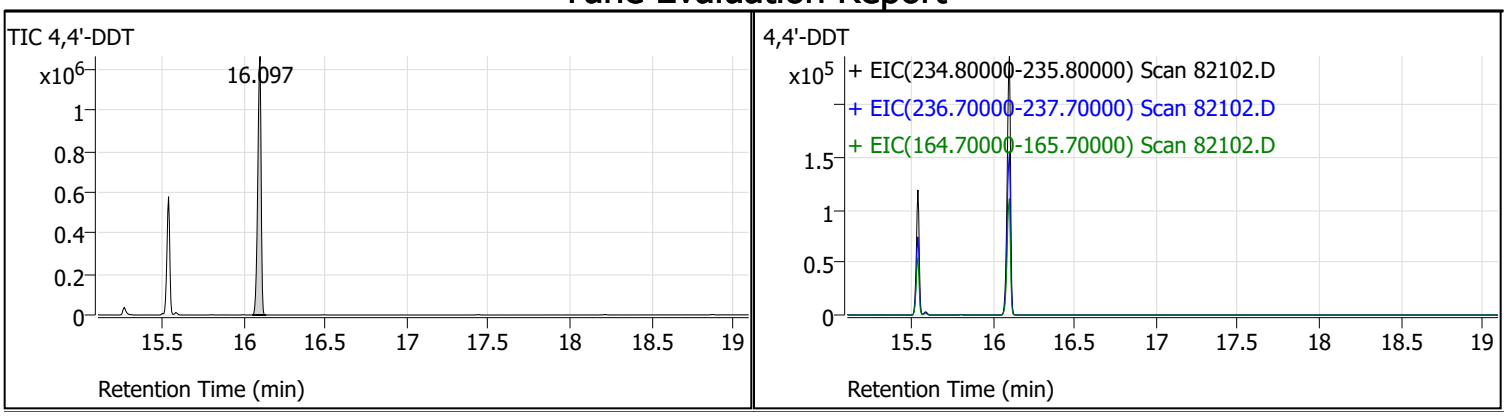
Data Path:	Z:\GC-14\Data\2024\082124\82102.D
Acq on:	8/21/2024 12:23:18 PM
Operator:	FA\GC14
Sample:	tune
Inst Name:	GC-14
ALS Vial:	1
Method:	\\FA-LAB04\c$\GC-14\Methods\Quant Methods\TUNE\DFTPPwBreak&TailingGC218270E.m

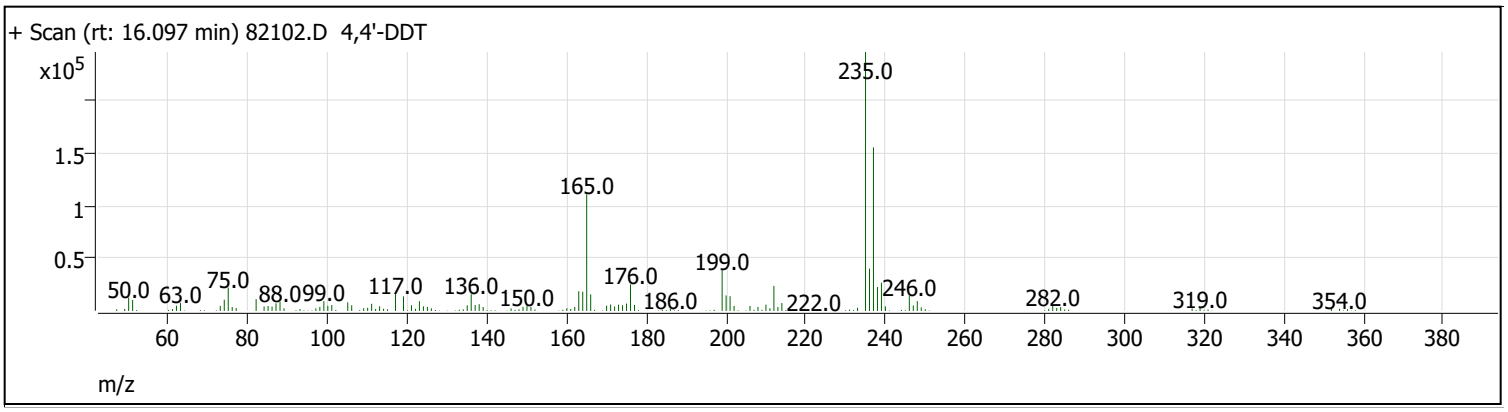


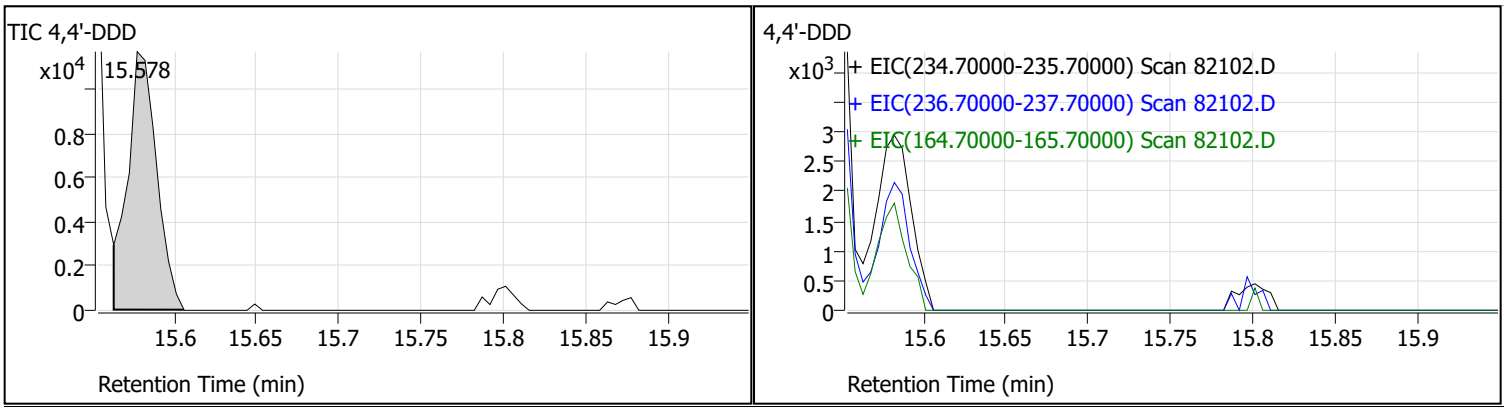


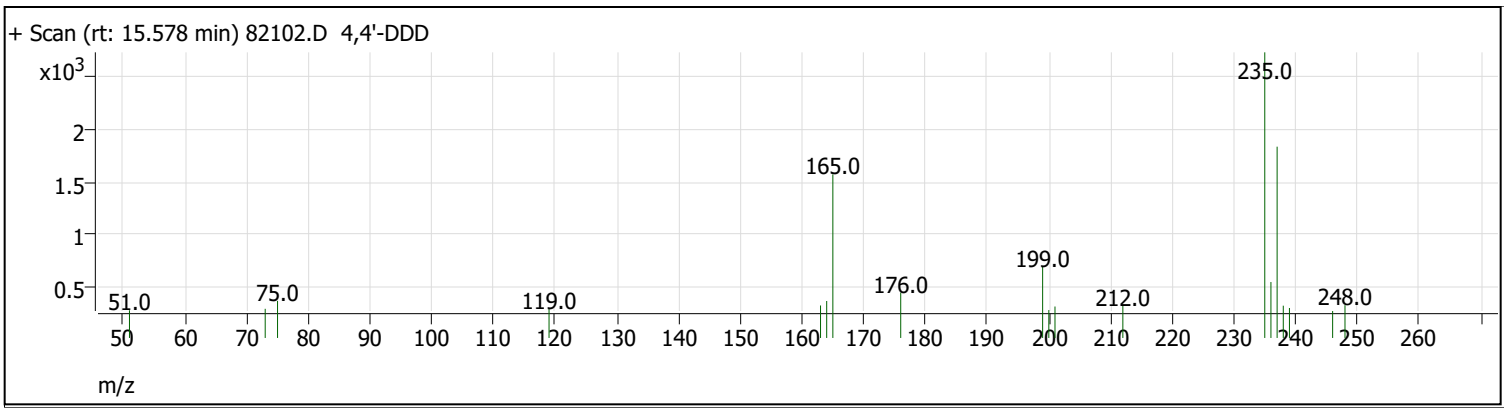
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	2.0	1902	Pass
70	69	0	2	0.7	704	Pass
197	198	0	2	0.0	0	Pass
198	198	100	100	100.0	279616	Pass
199	198	5	9	7.0	19648	Pass
365	442	1	100	7.0	27120	Pass
441	443	1E-10	150	80.5	63576	Pass
442	442	100	100	100.0	389696	Pass
443	442	15	24	20.3	78952	Pass
69	69	100	100	100.0	95200	Pass

Tune Evaluation Report



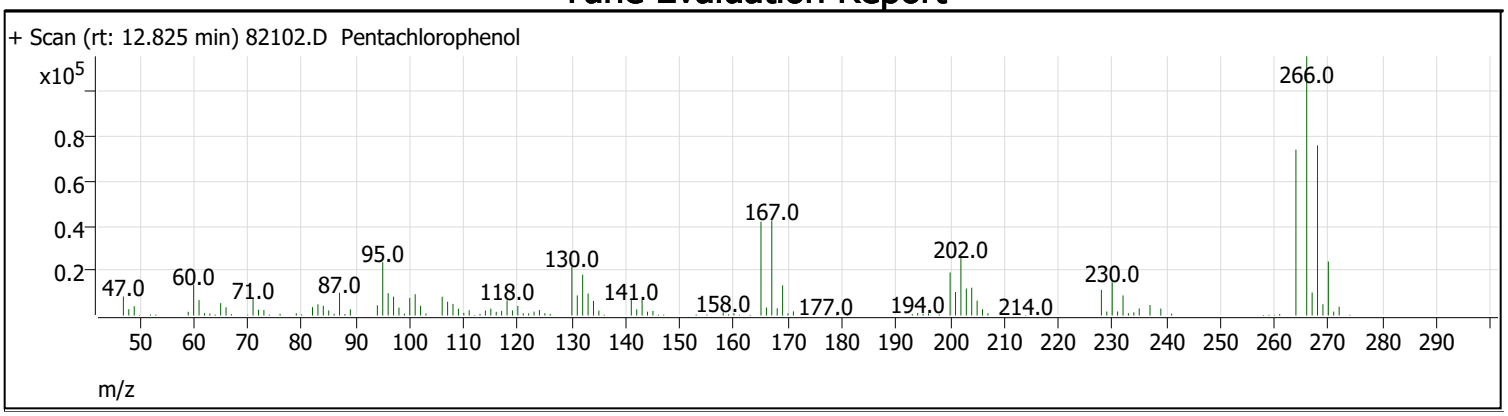


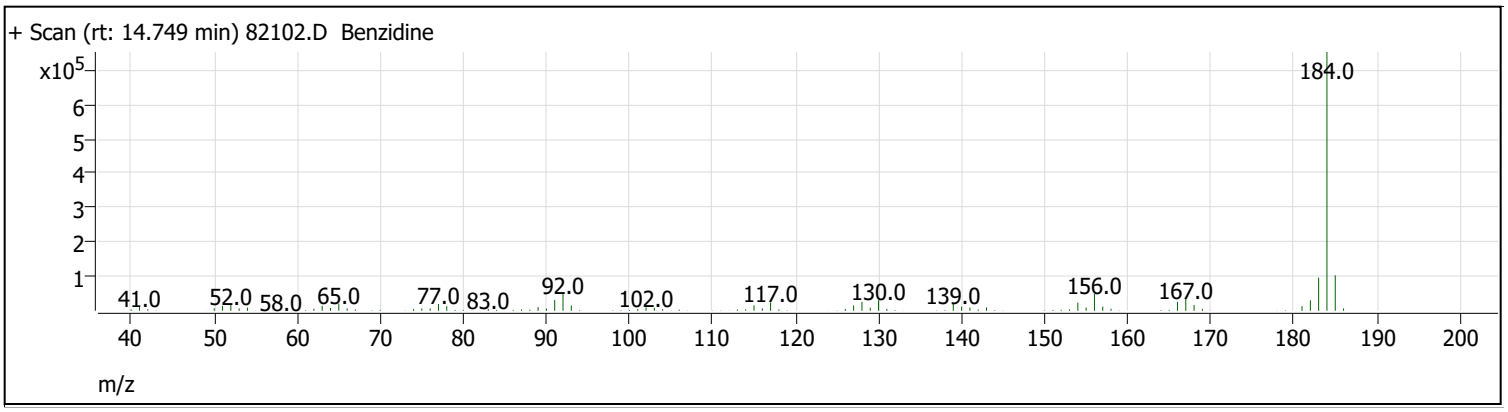




Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	17.100	16.097	1812858	0.8	Pass
4,4'-DDD	15.750	15.578	14359		

Tune Evaluation Report

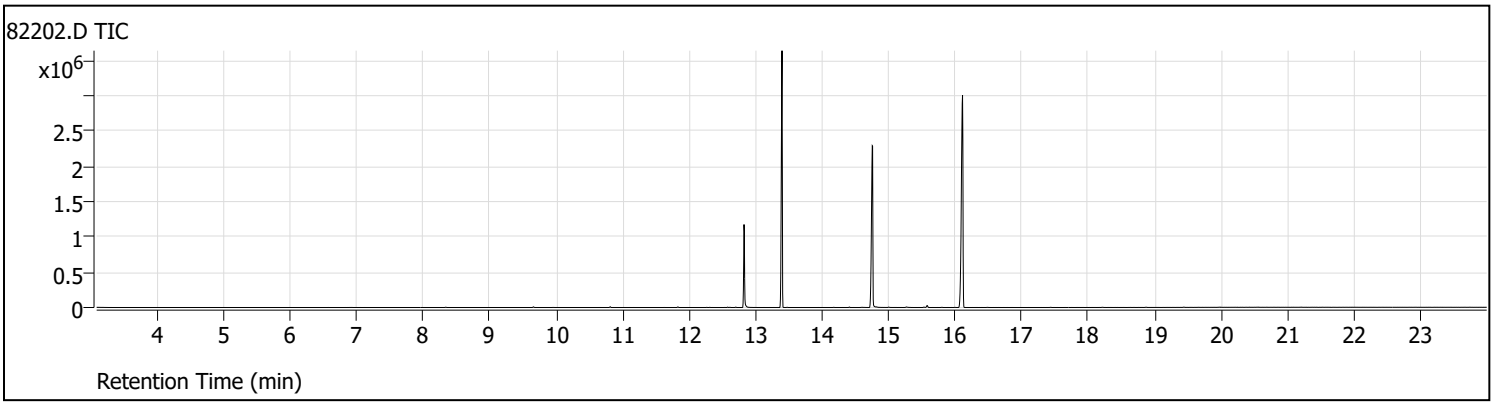


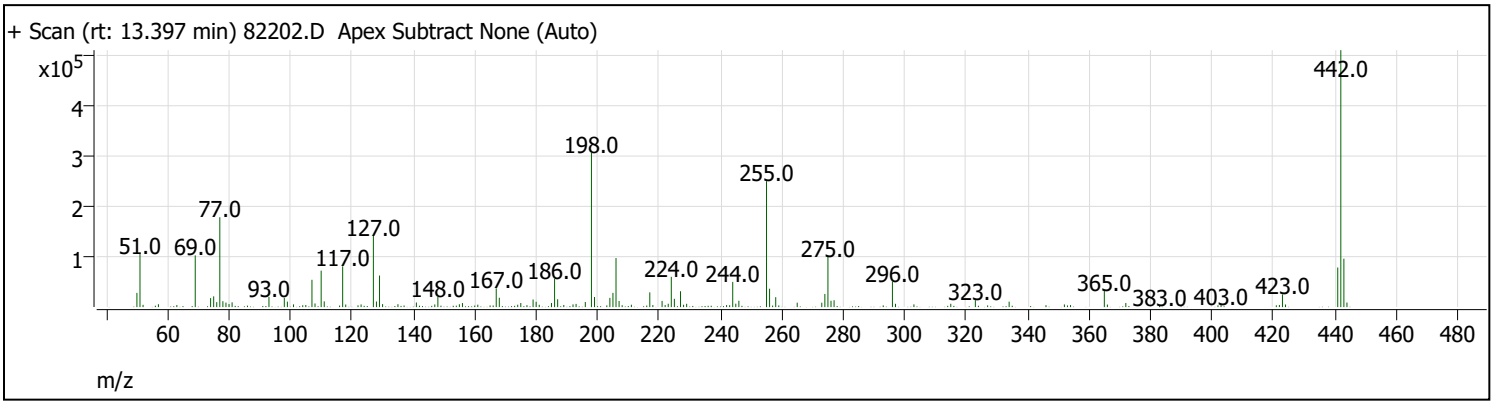


Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	13.350	12.825	0.7	3.7	Pass
Benzidine	15.500	14.749	0.7	2.7	Pass

Tune Evaluation Report

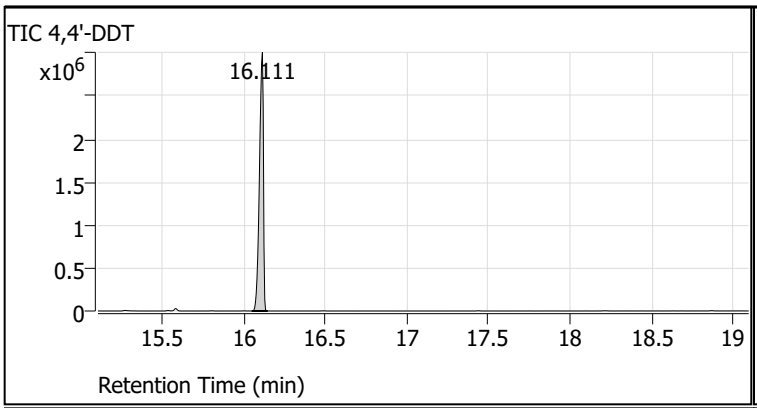
Data Path:	C:\GC-14\Data\2024\082224\82202.D
Acq on:	8/22/2024 9:38:51 AM
Operator:	FA\GC14
Sample:	tune
Inst Name:	GC-14
ALS Vial:	1
Method:	C:\GC-14\Methods\Quant Methods\TUNE\DFTPPwBreak&TailingGC218270E.m

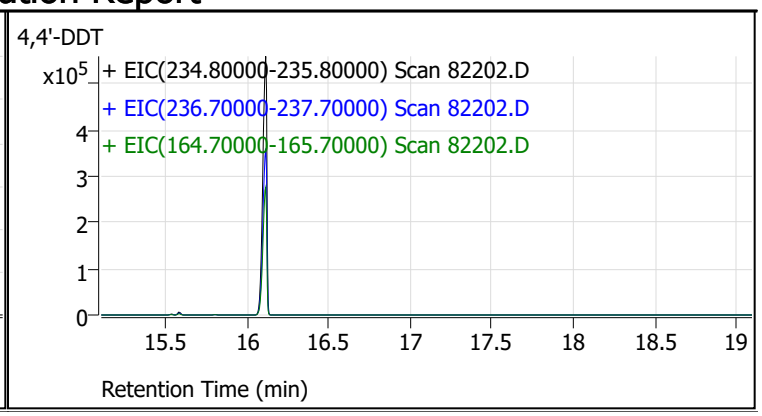


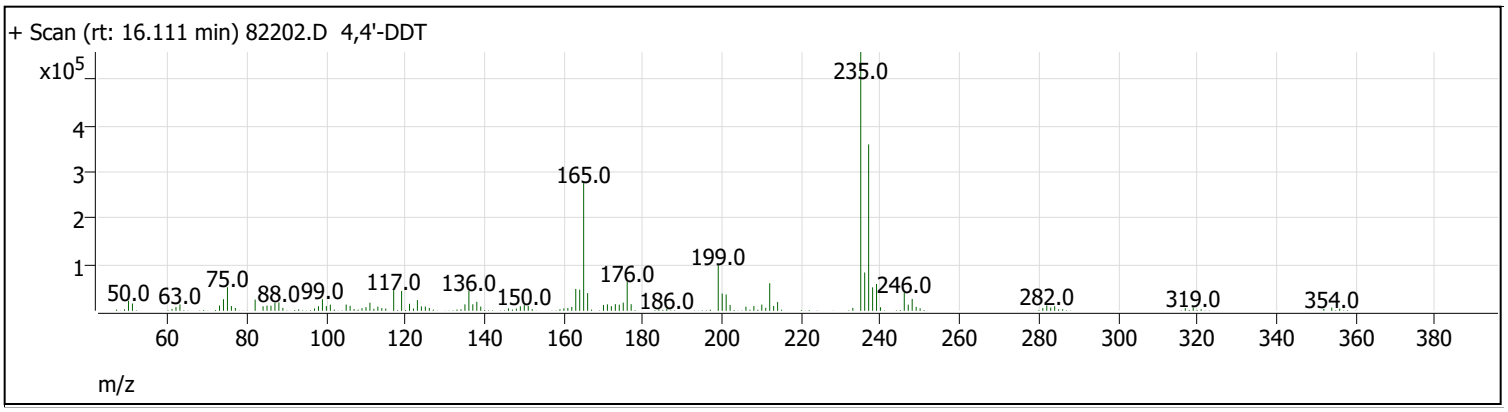


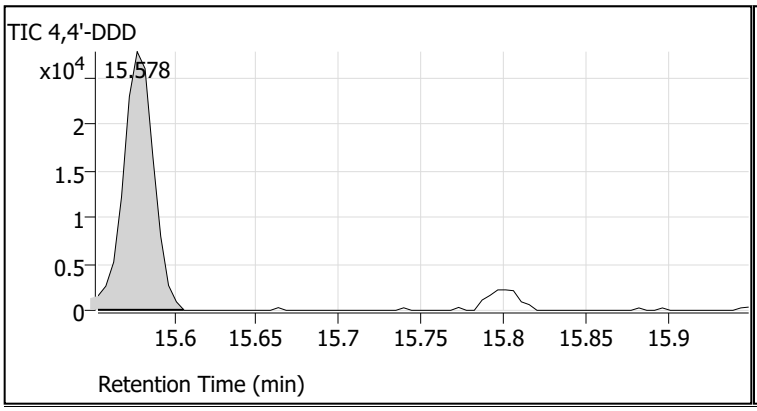
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	1.9	1917	Pass
70	69	0	2	0.7	702	Pass
197	198	0	2	0.0	0	Pass
198	198	100	100	100.0	304896	Pass
199	198	5	9	6.6	19992	Pass
365	442	1	100	6.4	32672	Pass
441	443	1E-10	150	81.7	78328	Pass
442	442	100	100	100.0	508416	Pass
443	442	15	24	18.8	95824	Pass
69	69	100	100	100.0	102376	Pass

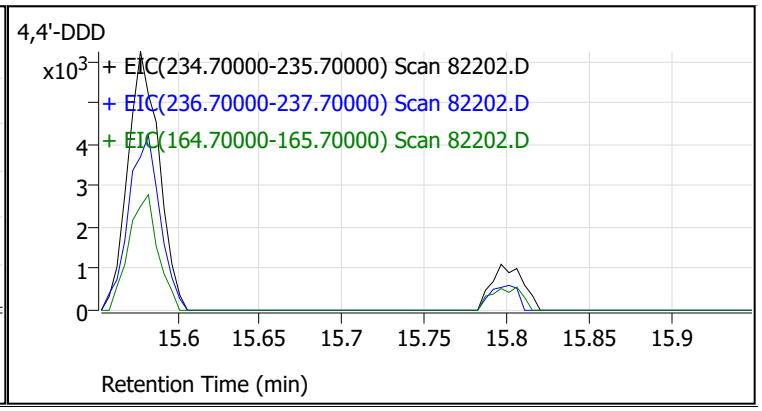
Tune Evaluation Report

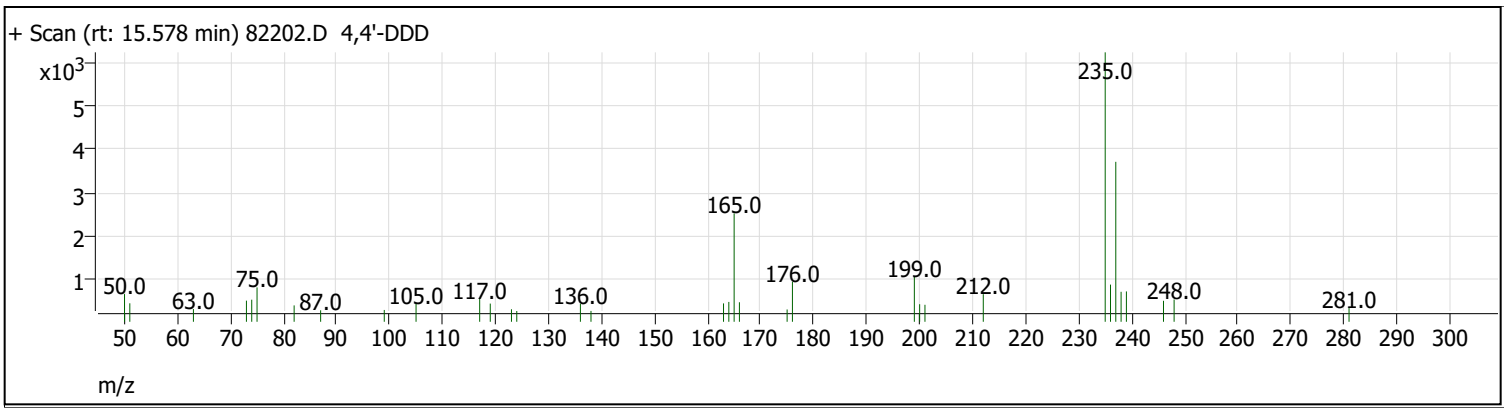






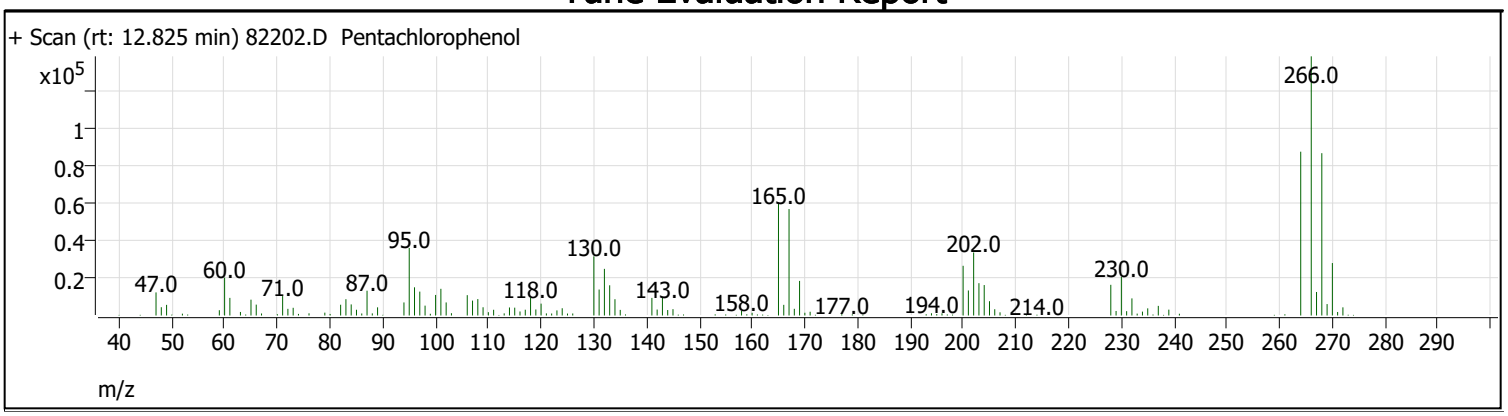


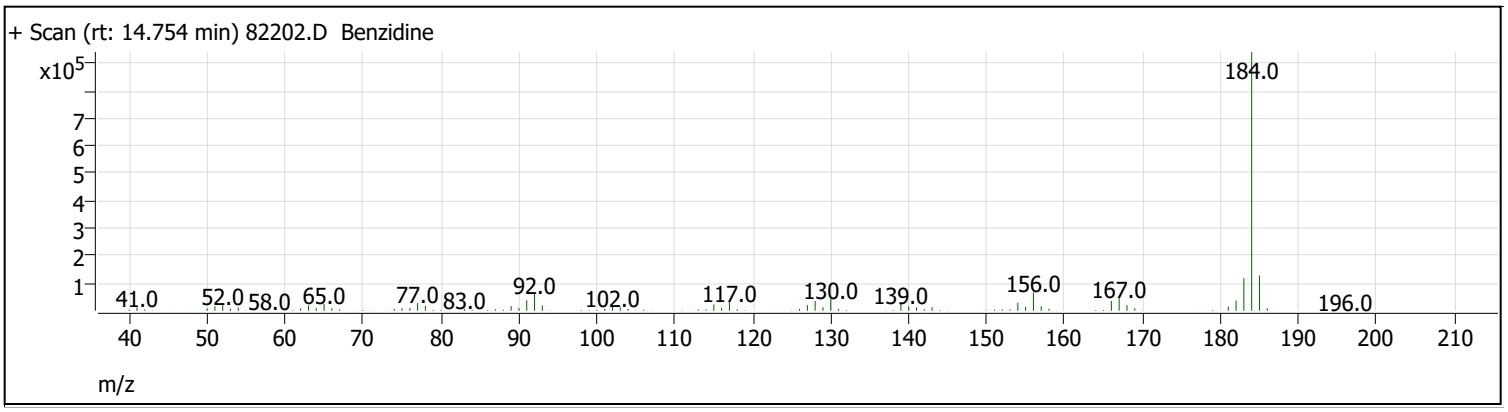




Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	17.100	16.111	5059097	0.7	Pass
4,4'-DDD	15.750	15.578	35971		

Tune Evaluation Report





Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	13.350	12.825	1.1	1.9	Pass
Benzidine	15.500	14.754	0.5	1.2	Pass

Internal Standards

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-14_240823A

CCV Name: CAL MDPT

Run No: 93851

CCV SeqNo: 1960081

Lab File ID (Standard): 072510.D

Date Analyzed: 7/25/2024

Instrument ID: GC-14

Time Analyzed: 16:04

GC Column: ID (mm): Length (M):

		IS1 (14DCBZ)		2 Acenaphthene-d		IS3 Chrysene-d12		S4 Naphthalene-d8	
		AREA #	RT #	AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	0	0.000	59784	11.183	72682	17.108	126228	8.970
	UPPER LIMIT	0	0.500	119568	11.683	145364	17.608	252456	9.470
	LOWER LIMIT	0	-0.500	29892	10.683	36341	16.608	63114	8.470
	SAMPLE NO.								
01	CCV-44929A	0	0	57620	11.184	75109	17.109	123041	8.97
02	QCS-44929A	0	0	56661	11.184	73756	17.102	119029	8.97
03	CCV-44929B	0	0	58036	11.184	76214	17.107	129407	8.97
04	QCS-44929B	0	0	60225	11.184	80531	17.114	129211	8.97

IS1 (14DCBZ) = 1,4-Dichlorobenzene-d4

IS2 Acenaphthene-d10 = Acenaphthene-d10

IS3 Chrysene-d12 = Chrysene-d12

IS4 Naphthalene-d8 = Naphthalene-d8

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-14_240823A

Run No: 93851

Lab File ID (Standard): 072510.D

Instrument ID: GC-14

GC Column: ID (mm):

CCV Name: CAL MDPT

CCV SeqNo: 1960081

Date Analyzed: 7/25/2024

Time Analyzed: 16:04

Length (M):

		S5 Perylene-d12 AREA #	RT #	6 Phenanthrene-d AREA #	RT #				
	12 HOUR STD	78794	19.532	99386	13.049				
	UPPER LIMIT	157588	20.032	198772	13.549				
	LOWER LIMIT	39397	19.032	49693	12.549				
	SAMPLE NO.								
01	CCV-44929A	73885	19.533	96254	13.043				
02	QCS-44929A	76485	19.529	94914	13.043				
03	CCV-44929B	84435	19.531	97858	13.043				
04	QCS-44929B	87733	19.535	101505	13.05				

IS5 Perylene-d12 = Perylene-d12
IS6 Phenanthrene-d10 = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-14_240823A

CCV Name: CCV-44929A

Run No: 93851

CCV SeqNo: 1960082

Lab File ID (Standard): 082048.D

Date Analyzed: 8/21/2024

Instrument ID: GC-14

Time Analyzed: 10:27

GC Column: ID (mm): Length (M):

		IS1 (14DCBZ)		2 Acenaphthene-d		IS3 Chrysene-d12		S4 Naphthalene-d	
		AREA #	RT #	AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	0	0.000	57620	11.184	75109	17.109	123041	8.970
	UPPER LIMIT	0	0.500	115240	11.684	150218	17.609	246082	9.470
	LOWER LIMIT	0	-0.500	28810	10.684	37555	16.609	61521	8.470
	SAMPLE NO.								
01	MB-44929	0	0	46247	11.184	57514	17.109	93985	8.97
02	LCS-44929	0	0	44337	11.184	55929	17.107	89575	8.97
03	LCSD-44929	0	0	45573	11.184	55675	17.107	90756	8.97

IS1 (14DCBZ) = 1,4-Dichlorobenzene-d4

IS2 Acenaphthene-d10 = Acenaphthene-d10

IS3 Chrysene-d12 = Chrysene-d12

IS4 Naphthalene-d8 = Naphthalene-d8

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-14_240823A

Run No: 93851

Lab File ID (Standard): 082048.D

Instrument ID: GC-14

GC Column: ID (mm):

CCV Name: CCV-44929A

CCV SeqNo: 1960082

Date Analyzed: 8/21/2024

Time Analyzed: 10:27

Length (M):

		S5 Perylene-d12		6 Phenanthrene-d					
		AREA #	RT #	AREA #	RT #				
	12 HOUR STD	73885	19.533	96254	13.043				
	UPPER LIMIT	147770	20.033	192508	13.543				
	LOWER LIMIT	36943	19.033	48127	12.543				
	SAMPLE NO.								
01	MB-44929	60919	19.533	76672	13.043				
02	LCS-44929	58119	19.531	73514	13.043				
03	LCSD-44929	59478	19.535	74440	13.043				

IS5 Perylene-d12 = Perylene-d12

IS6 Phenanthrene-d10 = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-14_240823A

CCV Name: CCV-44929B

Run No: 93851

CCV SeqNo: 1960087

Lab File ID (Standard): 82203.D

Date Analyzed: 8/22/2024

Instrument ID: GC-14

Time Analyzed: 10:07

GC Column: ID (mm): Length (M):

		IS1 (14DCBZ)		2 Acenaphthene-d		IS3 Chrysene-d12		S4 Naphthalene-d	
		AREA #	RT #	AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	0	0.000	58036	11.184	76214	17.107	129407	8.970
	UPPER LIMIT	0	0.500	116072	11.684	152428	17.607	258814	9.470
	LOWER LIMIT	0	-0.500	29018	10.684	38107	16.607	64704	8.470
	SAMPLE NO.								
01	2408312-001F	0	0	46241	11.184	63338	17.114	100439	8.97
02	2408312-002F	0	0	50504	11.184	67287	17.114	107638	8.97
03	2408312-003F	0	0	44449	11.184	58544	17.117	95809	8.975
04	2408312-004F	0	0	49204	11.184	65160	17.109	104836	8.975

IS1 (14DCBZ) = 1,4-Dichlorobenzene-d4

IS2 Acenaphthene-d10 = Acenaphthene-d10

IS3 Chrysene-d12 = Chrysene-d12

IS4 Naphthalene-d8 = Naphthalene-d8

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-14_240823A

Run No: 93851

Lab File ID (Standard): 82203.D

Instrument ID: GC-14

GC Column: ID (mm):

CCV Name: CCV-44929B

CCV SeqNo: 1960087

Date Analyzed: 8/22/2024

Time Analyzed: 10:07

Length (M):

		S5 Perylene-d12 AREA #	RT #	6 Phenanthrene-d AREA #	RT #				
	12 HOUR STD	84435	19.531	97858	13.043				
	UPPER LIMIT	168870	20.031	195716	13.543				
	LOWER LIMIT	42218	19.031	48929	12.543				
	SAMPLE NO.								
01	2408312-001F	73153	19.535	79781	13.05				
02	2408312-002F	75835	19.535	86390	13.05				
03	2408312-003F	65226	19.538	75494	13.05				
04	2408312-004F	71282	19.538	84967	13.05				

IS5 Perylene-d12 = Perylene-d12
IS6 Phenanthrene-d10 = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Supporting Data

Fremont Analytical, Inc

PREP BATCH REPORT

Prep Start Date: **8/20/2024 4:31:57 P**
Prep End Date: **8/20/2024 5:26:29 P**
Technician: **Zachary Dilger**

Prep Factor Units
mL / mL

Prep Batch ID: **44929** Prep Code: **PREP-PAH-W** Method No: **SW3510C**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-44929		Unknown	423.74	1	0.002	8/20/2024	8/20/2024
LCS-44929		Unknown	425.11	1	0.002	8/20/2024	8/20/2024
LCSD-44929		Unknown	427.4	1	0.002	8/20/2024	8/20/2024
2408298-001D	Discharge	Water	422.76	1	0.002	8/20/2024	8/20/2024
2408305-001C	Influent	Stormwater	420.48	1	0.002	8/20/2024	8/20/2024
2408305-002C	Discharge	Stormwater	423.32	1	0.002	8/20/2024	8/20/2024
2408306-001C	Discharge	Stormwater	424.21	1	0.002	8/20/2024	8/20/2024

Polyaromatic Hydrocarbons Water Prep Bench Sheet

Analyst:	JZ
Date and Time:	8/20/2024
Batch:	44929

Notes / Modifications

Final Volume Before Analysis	1 mL

Equipment	
Type	ID
Balance:	4
Solvent Dispenser:	5
Buchi:	
Other:	

Bottle Roller Times	
Roller START:	
Roller STOP:	
Roller START:	
Roller STOP:	

Buchi Concentration Times	
Buchi START:	10:55
Buchi STOP:	11:58
Buchi START:	
Buchi STOP:	

Spikes / Chemicals / Reagents	Omega ID	Amount Used
8270 Spike Mix 200-400 µg/mL	30204	10 µL
8270 Surr. Mix 100-200 µg/mL	30169	10 µL
1:1 Sulfuric Acid	6805	~1 mL
pH strips	30210	1 PC/ea
Methylene Chloride	8297	70 mL
Sodium Sulfate	8265	~5 g
8270 Internal Standard 200 µg/mL	30258	10 µL *

* 10 µL added to a 1.0 mL aliquot of extract *

Samples verified pH < 2	Initial/Date
	EC 8/20

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date
	JZ 8/20/24

Dilutions	
Sample ID	Dilution Description

Sign and date below if you contributed to this preparation batch
JZ 8/20/24
Michael Fedor 08/21/2024

Signature: AK

Fremont Analytical, Inc

PREP BATCH REPORT

Prep Start Date: **8/20/2024 4:31:57 P**
Prep End Date: **8/21/2024 3:39:13 P**
Technician: **Zachary Dilger**

Prep Factor Units:
mL / mL

Prep Batch ID: **44929** Prep Code: **PREP-PAH-W** Method No: **SW3510C**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-44929		Unknown	423.74	1	0.002	8/20/2024	8/20/2024
LCS-44929		Unknown	425.11	1	0.002	8/20/2024	8/20/2024
LCSD-44929		Unknown	427.4	1	0.002	8/20/2024	8/20/2024
2408298-001D	Discharge	Water	422.76	1	0.002	8/20/2024	8/20/2024
2408305-001C	Influent	Stormwater	420.48	1	0.002	8/20/2024	8/20/2024
2408305-002C	Discharge	Stormwater	423.32	1	0.002	8/20/2024	8/20/2024
2408306-001C	Discharge	Stormwater	424.21	1	0.002	8/20/2024	8/20/2024
2408312-001F	GEI-11_082024	Water	421.52	1	0.002	8/20/2024	8/21/2024
2408312-002F	GEI-12_082024	Water	427.88	1	0.002	8/20/2024	8/21/2024
2408312-003F	GEI-13_082024	Water	426.19	1	0.002	8/20/2024	8/21/2024
2408312-004F	Dup_082024	Water	429.43	1	0.002	8/20/2024	8/21/2024

Reporting Checklist

Analyst: Savannah Houser, Ramiro Garcia
Workorder(s): 2408305; 8306, 8298, 8312
Date: 8/21/24, 8/23/24
Prep #: 44929
Run(s) #: 93811, 93819
Analysis: O-PAH-W-SIM-625, O-PAH-W-SIM

Y/N		Reviewed
Y	**Run complete? (i.e., all QC, samples, dilutions present)**	✔
N	**All QC within limits?** ____ Exceedances acceptable per QA Manual and/or Auth'd by PM____?	✔

☐CCV out ☑LCS out ☐MS out ☐Blank hits ☐IS/surr out ☐RPD out
☐Hold time ☐Other_____

LCS/LCSD was spiked at the wrong level; spiking values adjusted to reflect

☐ Any pending dilutions, re-extracts, or reanalysis to be completed in future run?

N/A **Manual entries/narratives reviewed for accuracy? (note below)** Analyst: Reviewer: ☐

✔ **Omega checks performed?** ✔

- ✔ SampID, Test Code, Type, Prep
- ✔ PMOIST, pH
- ✔ BLKref, SPKref, RPDref, CCVref
- ✔ Attachments ✔
  - ☐Sequence ☐Cgrams ☐Bench Sheets ☐Perf Checks ☐Tech Doc
- ✔ Related Info ✔
  - ☐ICAL Ref ☐ICAL Ack/QA'd? ☐Spiking Info/CCV Std ☐_____
- ✔ Reporting Checks ✔
  - ☐Dilutions data/narr redundancy check ☐RLs OK (low wt, high pmoist, dilutions)

Notes for Reviewer

By signing, I attest that I have followed the SOP

Ramiro Garcia 8/23/24 — Analyst / Date

MG 8/23/2024 — Reviewer / Date

DATA SET for Review - Deliverable Requirements

Total Metals by EPA 6020B

Fremont Analytical Work Order No. 2408312

GeoEngineers

Project Name: 701/709 South Jackson

Project Number: 24504-001-04

This data set contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information
- Internal Standards Report

Batch Log

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\240826ME.b

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
1	8/26/2024 13:03:44	CalBlk	CAL BLANK	1	001CALB.d	Pass		1		ICPMS		1
2	8/26/2024 13:06:05	CalBlk	CAL BLANK	1	002CALB.d	Pass		1		ICPMS		1
3	8/26/2024 13:08:42	CalBlk	CAL BLANK	1	003CALB.d	Pass		1		ICPMS		1
4	8/26/2024 13:11:13	CalStd	STANDARD 1	101	004CALS.d	Pass		1		ICPMS		2
5	8/26/2024 13:13:45	CalStd	STANDARD 2	102	005CALS.d	Pass		1		ICPMS		3
6	8/26/2024 13:16:18	CalStd	STANDARD 3	5	006CALS.d	Pass		1		ICPMS		4
7	8/26/2024 13:18:53	CalStd	STANDARD 4	5	007CALS.d	Pass		1		ICPMS		5
8	8/26/2024 13:21:26	CalStd	STANDARD 5	5	008CALS.d	Pass		1		ICPMS		6

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
1													
2			100	1	1	100							
3													
4													
5													
6			20	1	1	20							
7			4	1	1	4							
8													

#	QC Failed Criteria	QC Failed Elements
1		
2		
3		
4		
5		
6		
7		
8		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
9	8/26/2024 13:23:44	CalStd	STANDARD 6	106	009CALS.d	Pass		1		ICPMS		7
10	8/26/2024 13:25:50	CalStd	STANDARD 7	107	010CALS.d	Pass		1		ICPMS		8
11	8/26/2024 13:27:52	Sample	Wash	6	011SMPL.d	Pass		1		ICPMS		
12	8/26/2024 13:30:25	Sample	Wash	6	012SMPL.d	Pass		1		ICPMS		
13	8/26/2024 13:32:55	ICB	ICB	1	013_ICB.d	Pass		1		ICPMS		
14	8/26/2024 13:35:28	ICV	ICV	111	014_ICV.d	Fail	QC check failed.	1		ICPMS		
15	8/26/2024 13:37:45	Sample	Wash	6	015SMPL.d	Pass		1		ICPMS		
17	8/26/2024 13:40:03	Sample	LDR	110		Skip				ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
9													
10													
11													
12													
13													
14													
15													
17													

#	QC Failed Criteria	QC Failed Elements
9		
10		
11		
12		
13		
14	Main Error1 Criteria1	#2:[Pb]
15		
17		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
16	8/26/2024 13:40:18	Sample	ICSA	112	016SMPL.d	Fail	QC check failed.	1		ICPMS		
18	8/26/2024 13:42:41	Sample	Wash	6	017SMPL.d	Pass		1		ICPMS		
19	8/26/2024 13:44:59	<Pause>				Pass				ICPMS		
20	8/26/2024 13:46:47	Sample	MB-44985	401	018SMPL.d	Pass		1		ICPMS		
21	8/26/2024 13:49:19	LCS	LCS-44985	402	019_LCS.d	Fail	QC check failed.	1		ICPMS		
22	8/26/2024 13:51:41	Sample	2408388-001A	403	020SMPL.d	Pass		1		ICPMS		
23	8/26/2024 13:54:11	Sample	2408388-001ADUP	404	021SMPL.d	Pass		1		ICPMS		
25	8/26/2024 13:56:26	CCV	CCV	5		Skip				ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
16													
18													
19													
20													
21													
22													
23													
25													

#	QC Failed Criteria	QC Failed Elements
16	Main Error1 Criteria1	#2:Fe,Ca,Na
18		
19		
20		
21	Main Error1 Criteria1	#1:B #2 :Fe,Ca,Na,Mg, K,Zn,Al,P
22		
23		
25		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
24	8/26/2024 13:56:41	Sample	2408388-001AMS	405	022SMPL.d	Pass		1		ICPMS		
26	8/26/2024 13:56:26	CCB	CCB	1		Skip				ICPMS		
27	8/26/2024 13:59:01	Sample	2408388-001AMSD	406	023SMPL.d	Pass		1		ICPMS		
28	8/26/2024 14:01:24	Sample	2408388-001AMSDIL	405	024SMPL.d	Pass		1		ICPMS		
29	8/26/2024 14:03:57	Sample	2408388-001APDS	407	025SMPL.d	Pass		1		ICPMS		
30	8/26/2024 14:06:18	Sample	2408311-002A	408	026SMPL.d	Pass		1		ICPMS		
31	8/26/2024 14:08:48	CCV	CCV	5	027_CCV.d	Fail	QC check failed.	1		ICPMS		
32	8/26/2024 14:11:05	CCB	CCB	1	028_CCB.d	Pass		1		ICPMS		
33	8/26/2024 14:13:38	Sample	MB-44985	401	029SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
24													
26													
27													
28			5	1	1	5							
29													
30													
31													
32													
33													

#	QC Failed Criteria	QC Failed Elements
24		
26		
27		
28		
29		
30		
31	Main Error1 Criteria1	#1:B #2:[Pb]
32		

Batch Log

#	QC Failed Criteria	QC Failed Elements
33		

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
34	8/26/2024 14:16:09	Sample	2408321-001A	409	030SMPL.d	Pass		1		ICPMS		
35	8/26/2024 14:18:40	Sample	2408321-002A	410	031SMPL.d	Pass		1		ICPMS		
36	8/26/2024 14:21:10	CCV	CCV	5	032_CCV.d	Pass		1		ICPMS		
37	8/26/2024 14:23:27	CCB	CCB	1	033_CCB.d	Pass		1		ICPMS		
38	8/26/2024 14:25:45	<Pause>				Pass				ICPMS		
39	8/26/2024 14:29:36	Sample	MB-44983	411	034SMPL.d	Pass		1		ICPMS		
40	8/26/2024 14:32:09	LCS	LCS-44983	412	035_LCS.d	Fail	QC check failed.	1		ICPMS		
41	8/26/2024 14:34:27	Sample	2408399-001A	413	036SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
34													
35													
36													
37													
38													
39													
40													
41													

#	QC Failed Criteria	QC Failed Elements
34		
35		
36		
37		
38		
39		
40	Main Error1 Criteria1	#2:Hg
41		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
42	8/26/2024 14:36:55	Sample	2408399-010A	414	037SMPL.d	Fail	QC check failed.	1		ICPMS		
43	8/26/2024 14:39:31	Sample	2408399-013A	415	038SMPL.d	Pass		1		ICPMS		
44	8/26/2024 14:42:00	Sample	2408399-013AMS	416	039SMPL.d	Fail	QC check failed.	1		ICPMS		
45	8/26/2024 14:44:16	Sample	2408335-001A	417	040SMPL.d	Pass		1		ICPMS		
46	8/26/2024 14:46:48	Sample	2408335-001ADUP	418	041SMPL.d	Pass		1		ICPMS		
47	8/26/2024 14:49:19	Sample	2408335-001A	417	042SMPL.d	Fail	QC check failed.	1		ICPMS		
49	8/26/2024 14:51:26	CCV	CCV	5		Skip				ICPMS		
50	8/26/2024 14:51:26	CCB	CCB	1		Skip				ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
42													
43													
44													
45			10	1	1	10							
46			10	1	1	10							
47													
49													
50													

#	QC Failed Criteria	QC Failed Elements
42	Main Error1 Criteria1	#2:Na
43		
44	Main Error1 Criteria1	#2:Na
45		
46		
47	Main Error1 Criteria1	#1:B #2:Ca,Na,K
49		
50		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
48	8/26/2024 14:51:41	Sample	2408335-001AMS	419	043SMPL.d	Fail	QC check failed.	1		ICPMS		
51	8/26/2024 14:53:57	CCV	CCV	5	044_CCV.d	Pass		1		ICPMS		
52	8/26/2024 14:56:14	CCB	CCB	1	045_CCB.d	Pass		1		ICPMS		
53	8/26/2024 14:58:47	Sample	2408411-001B	421	046SMPL.d	Pass		1		ICPMS		
54	8/26/2024 15:01:14	Sample	2408411-002A	422	047SMPL.d	Fail	QC check failed.	1		ICPMS		
55	8/26/2024 15:03:43	Sample	2408413-001A	423	048SMPL.d	Fail	QC check failed.	1		ICPMS		
56	8/26/2024 15:06:06	Sample	2408339-001A	420	049SMPL.d	Fail	QC check failed.	1		ICPMS		
57	8/26/2024 15:08:20	<Pause>				Pass				ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
48													
51													
52													
53													
54													
55													
56			1000										
57													

#	QC Failed Criteria	QC Failed Elements
48	Main Error1 Criteria1	#1:B #2:Ca,Na,K
51		
52		
53		
54	Main Error1 Criteria1	#2:Ca
55	Main Error1 Criteria1	#2:Na,Cu,Zn
56	Main Error1 Criteria1	#2:Zn
57		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
58	8/26/2024 15:11:02	Sample	2408353-001A	424	050SMPL.d	Fail	QC check failed.	1		ICPMS		
59	8/26/2024 15:13:16	Sample	2408353-002A	425	051SMPL.d	Fail	QC check failed.	1		ICPMS		
60	8/26/2024 15:15:41	Sample	2408353-003A	426	052SMPL.d	Fail	QC check failed.	1		ICPMS		
61	8/26/2024 15:18:05	Sample	2408353-004A	427	053SMPL.d	Fail	QC check failed.	1		ICPMS		
62	8/26/2024 15:20:28	Sample	2408363-001C	428	054SMPL.d	Fail		1		ICPMS		
63	8/26/2024 15:22:50	Sample	2408363-005C	429	055SMPL.d	Fail	QC check failed.	1		ICPMS		
64	8/26/2024 15:22:35	CCV	CCV	5		Skip				ICPMS		
65	8/26/2024 15:22:35	CCB	CCB	1		Skip				ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
58													
59													
60													
61													
62													
63													
64													
65													

#	QC Failed Criteria	QC Failed Elements
58	Main Error1 Criteria1	#2:Ca,Na,Mg
59	Main Error1 Criteria1	#2:Na
60	Main Error1 Criteria1	#2:Ca,Na,Mg
61	Main Error1 Criteria1	#2:Ca,Na,Mg
62		
63	Main Error1 Criteria1	#2:Ca,Mg,K,Sr
64		
65		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
66	8/26/2024 15:25:15	CCV	CCV	5	056_CCV.d	Fail	QC check failed.	1		ICPMS		
67	8/26/2024 15:27:28	CCB	CCB	1	057_CCB.d	Pass		1		ICPMS		
68	8/26/2024 15:30:01	CCV	CCV	5	058_CCV.d	Fail	QC check failed.	1		ICPMS		
69	8/26/2024 15:32:17	CCV	CCV	5	059_CCV.d	Fail	QC check failed.	1		ICPMS		
70	8/26/2024 15:34:19	<Pause>				Pass				ICPMS		
71	8/26/2024 15:35:44	CCB	CCB	1	060_CCB.d	Pass		1		ICPMS		
72	8/26/2024 15:38:02	<Pause>				Pass				ICPMS		
73	8/26/2024 15:40:48	Sample	MB-44989	435	061SMPL.d	Pass		1		ICPMS		
74	8/26/2024 15:43:24	Sample	2408339-001A	420	062SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
66													
67													
68													
69													
70													
71													
72													
73													
74													

#	QC Failed Criteria	QC Failed Elements
66	ISTD Criteria1	#1:Li
67		
68	ISTD Criteria1	#1:Li
69	ISTD Criteria1	#1:Li
70		
71		
72		
73		

Batch Log

#	QC Failed Criteria	QC Failed Elements
74	Main Error1 Criteria1	#2:Na,Ni,Zn

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
75	8/26/2024 15:45:51	Sample	TRURINSE	160	063SMPL.d	Pass		1		ICPMS		
76	8/26/2024 15:48:25	Sample	WASH	6	064SMPL.d	Pass		1		ICPMS		
77	8/26/2024 15:50:59	Sample	WASH	6	065SMPL.d	Pass		1		ICPMS		
78	8/26/2024 15:53:32	CCV	CCV	5	066_CCV.d	Fail	QC check failed.	1		ICPMS		
79	8/26/2024 15:55:50	CCB	CCB	1	067_CCB.d	Pass		1		ICPMS		
80	8/26/2024 15:58:23	Sample	MB-44989	436	068SMPL.d	Pass		1		ICPMS		
81	8/26/2024 16:00:56	LCS	LCS-44989	437	069_LCS.d	Fail	QC check failed.	1		ICPMS		
82	8/26/2024 16:03:13	Sample	2408401-001A	438	070SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
75													
76													
77													
78													
79													
80													
81													
82													

#	QC Failed Criteria	QC Failed Elements
75		
76		
77		
78	Main Error1 Criteria1	#1:Be #2:Na,[Pb]
79		
80		
81	Main Error1 Criteria1	#2:Na,K
82	ISTD Criteria1	#1:Li

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
83	8/26/2024 16:05:32	Sample	2408401-001ADUP	439	071SMPL.d	Fail	QC check failed.	1		ICPMS		
84	8/26/2024 16:07:50	Sample	2408401-001AMS	440	072SMPL.d	Fail	QC check failed.	1		ICPMS		
85	8/26/2024 16:10:00	Sample	2408401-001AMSD	441	073SMPL.d	Fail	QC check failed.	1		ICPMS		
86	8/26/2024 16:12:09	Sample	2408401-001AMSDIL	440	074SMPL.d	Fail	QC check failed.	1		ICPMS		
87	8/26/2024 16:14:38	Sample	2408401-001APDS	442	075SMPL.d	Fail	QC check failed.	1		ICPMS		
88	8/26/2024 16:16:56	Sample	2408287-005A	443	076SMPL.d	Fail	QC check failed.	1		ICPMS		
89	8/26/2024 16:19:19	Sample	2408288-001A	444	077SMPL.d	Fail	QC check failed.	1		ICPMS		
90	8/26/2024 16:19:04	CCV	CCV	5		Skip				ICPMS		
91	8/26/2024 16:19:04	CCB	CCB	1		Skip				ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
83													
84													
85													
86			5	1	1	5							
87													
88													
89			5										
90													
91													

#	QC Failed Criteria	QC Failed Elements
83	ISTD Criteria1	#1:Li
84	ISTD Criteria1	#1:Li
85	ISTD Criteria1	#1:Li
86	ISTD Criteria1	#1:Li,Sc
87	ISTD Criteria1	#1:Li
88	ISTD Criteria1	#1:Li

Batch Log

#	QC Failed Criteria	QC Failed Elements
89	ISTD Criteria1	#1:Li
90		
91		

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
92	8/26/2024 16:21:34	CCV	CCV	5	078_CCV.d	Fail		1		ICPMS		
93	8/26/2024 16:23:51	CCB	CCB	1	079_CCB.d	Fail	QC check failed.	1		ICPMS		
94	8/26/2024 16:26:09	<Pause>				Pass				ICPMS		
95	8/26/2024 16:44:35	Sample	MB-44989	436	080SMPL.d	Pass		1		ICPMS		
96	8/26/2024 16:47:08	Sample	2408288-001A	444	081SMPL.d	Fail	QC check failed.	1		ICPMS		
97	8/26/2024 16:49:17	<Pause>				Pass				ICPMS		
98	8/26/2024 16:53:06	Sample	2408401-001A	438	082SMPL.d	Fail	QC check failed.	1		ICPMS		
99	8/26/2024 16:55:37	Sample	2408401-001AMS	440	083SMPL.d	Fail		1		ICPMS		
100	8/26/2024 16:58:07	Sample	2408401-001AMSD	441	084SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
92													
93													
94													
95													
96			10	10	2	2							
97													
98			10										
99			10										
100			10										

#	QC Failed Criteria	QC Failed Elements
92		
93	ISTD Criteria1	#1:Li
94		
95		

Batch Log

#	QC Failed Criteria	QC Failed Elements
96	Main Error1 Criteria1	#2:Fe,Ca
97		
98	ISTD Criteria1	#1:Li
99		
100	ISTD Criteria1	#1:Li

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
101	8/26/2024 17:00:37	Sample	2408401-001AMSDIL	460	085SMPL.d	Fail	QC check failed.	1		ICPMS		
102	8/26/2024 17:03:10	Sample	2408401-001APDS	442	086SMPL.d	Fail	QC check failed.	1		ICPMS		
103	8/26/2024 17:05:31	CCV	CCV	5	087_CCV.d	Fail		1		ICPMS		
104	8/26/2024 17:07:49	CCB	CCB	1	088_CCB.d	Fail	QC check failed.	1		ICPMS		
105	8/26/2024 17:10:23	Sample	2408363-007A	430	089SMPL.d	Fail	QC check failed.	1		ICPMS		
106	8/26/2024 17:12:57	Sample	2408377-001C	431	090SMPL.d	Fail	QC check failed.	1		ICPMS		
107	8/26/2024 17:15:24	Sample	2408398-001A	432	091SMPL.d	Fail	QC check failed.	1		ICPMS		
108	8/26/2024 17:17:47	Sample	2408381-001A	433	092SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
101			50										
102			10										
103													
104													
105			10	1	1	10							
106													
107			2										
108													

#	QC Failed Criteria	QC Failed Elements
101	ISTD Criteria1	#1:Li
102	ISTD Criteria1	#1:Li
103		
104	ISTD Criteria1	#1:Li
105	ISTD Criteria1	#1:Li
106	Main Error1 Criteria1	#2:Na
107	Main Error1 Criteria1	#2:Ca,Na
108		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
109	8/26/2024 17:19:58	<Pause>				Pass				ICPMS		
110	8/26/2024 17:21:39	Sample	2408386-001A	434	093SMPL.d	Fail	QC check failed.	1		ICPMS		
111	8/26/2024 17:24:01	Sample	2408288-001A	459	094SMPL.d	Fail	QC check failed.	1		ICPMS		
112	8/26/2024 17:26:28	CCV	CCV	5	095_CCV.d	Fail	QC check failed.	1		ICPMS		
113	8/26/2024 17:28:45	CCB	CCB	1	096_CCB.d	Pass		1		ICPMS		
114	8/26/2024 17:31:18	Sample	2408312-001C	445	097SMPL.d	Fail	QC check failed.	1		ICPMS		
115	8/26/2024 17:33:42	Sample	2408312-002C	446	098SMPL.d	Fail	QC check failed.	1		ICPMS		
116	8/26/2024 17:36:08	Sample	2408312-003C	447	099SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
109													
110													
111			20										
112													
113													
114													
115													
116													

#	QC Failed Criteria	QC Failed Elements
109		
110	Main Error1 Criteria1	#2:Ca
111	Main Error1 Criteria1	#2:Fe,Ca
112	Main Error1 Criteria1	#2:Na,P
113		
114	Main Error1 Criteria1	#2 :Ca,Na,Mg,K
115	Main Error1 Criteria1	#2:Ca,Na,Mg
116	Main Error1 Criteria1	#2:Ca,Na,Mg

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
117	8/26/2024 17:38:33	Sample	2408312-004C	448	100SMPL.d	Fail	QC check failed.	1		ICPMS		
118	8/26/2024 17:40:57	Sample	2408344-001A	449	101SMPL.d	Fail	QC check failed.	1		ICPMS		
119	8/26/2024 17:43:20	Sample	2408344-002A	450	102SMPL.d	Fail	QC check failed.	1		ICPMS		
120	8/26/2024 17:45:46	Sample	2408346-001C	451	103SMPL.d	Fail	QC check failed.	1		ICPMS		
121	8/26/2024 17:48:08	Sample	2408346-002C	452	104SMPL.d	Fail	QC check failed.	1		ICPMS		
122	8/26/2024 17:50:33	Sample	2408391-017B	453	105SMPL.d	Fail	QC check failed.	1		ICPMS		
124	8/26/2024 17:52:41	CCV	CCV	5		Skip				ICPMS		
125	8/26/2024 17:52:41	CCB	CCB	1		Skip				ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
117													
118			40										
119			40										
120													
121													
122													
124													
125													

#	QC Failed Criteria	QC Failed Elements
117	Main Error1 Criteria1	#2 :Ca,Na,Mg,K
118	ISTD Criteria1	#1:Li
119	Main Error1 Criteria1	#1:B #2:Na,Cr
120	Main Error1 Criteria1	#2:Ca
121	Main Error1 Criteria1	#2:Ca,Na
122	Main Error1 Criteria1	#2:Fe,Ca,Mn
124		

Batch Log

#	QC Failed Criteria	QC Failed Elements
125		

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
123	8/26/2024 17:52:56	Sample	2408391-018B	454	106SMPL.d	Fail	QC check failed.	1		ICPMS		
126	8/26/2024 17:55:20	CCV	CCV	5	107_CCV.d	Fail	QC check failed.	1		ICPMS		
127	8/26/2024 17:57:38	CCB	CCB	1	108_CCB.d	Pass		1		ICPMS		
128	8/26/2024 18:00:11	Sample	2408391-019B	455	109SMPL.d	Fail	QC check failed.	1		ICPMS		
129	8/26/2024 18:02:34	Sample	2408391-020B	456	110SMPL.d	Fail	QC check failed.	1		ICPMS		
130	8/26/2024 18:04:42	<Pause>				Pass				ICPMS		
131	8/26/2024 18:08:47	CCV	CCV	5	111_CCV.d	Fail	QC check failed.	1		ICPMS		
132	8/26/2024 18:11:05	CCB	CCB	1	112_CCB.d	Pass		1		ICPMS		

#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
123													
126													
127													
128													
129													
130													
131													
132													

#	QC Failed Criteria	QC Failed Elements
123	Main Error1 Criteria1	#2 :Fe,Ca,Na,Mn
126	Main Error1 Criteria1	#1:Be #2:Na,Cd, [Pb],P
127		
128	Main Error1 Criteria1	#2:Fe,Ca,Mn
129	Main Error1 Criteria1	#2:Fe,Ca,Mn

Batch Log

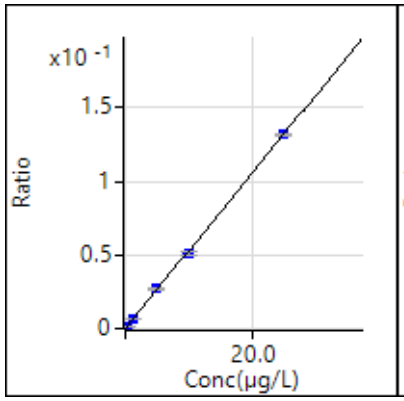
#	QC Failed Criteria	QC Failed Elements
130		
131	Main Error1 Criteria1	#2:Na,Cd,[Pb],P
132		

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
133	8/26/2024 18:13:38	Sample	WASH	6	113SMPL.d	Pass		1		ICPMS		
134	8/26/2024 18:16:11	Sample	WASH	6	114SMPL.d	Pass		1		ICPMS		
135	8/26/2024 18:18:45	Sample	WASH	6	115SMPL.d	Pass		1		ICPMS		
136	8/26/2024 18:21:18	Sample	WASH	6	116SMPL.d	Pass		1		ICPMS		
137	8/26/2024 18:23:51	Sample	WASH	6	117SMPL.d	Pass		1		ICPMS		

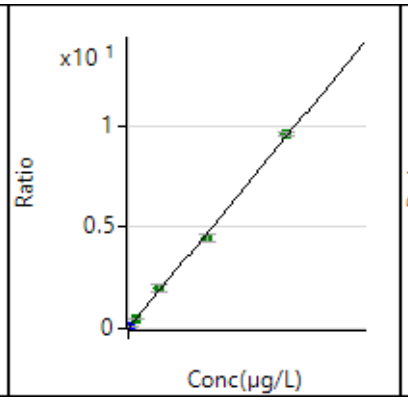
#	ISTD Conc	Auto Dilution (ISIS 2)	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
133													
134													
135													
136													
137													

#	QC Failed Criteria	QC Failed Elements
133		
134		
135		
136		
137		

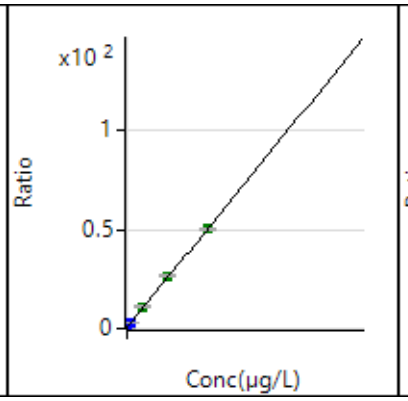
Calibration



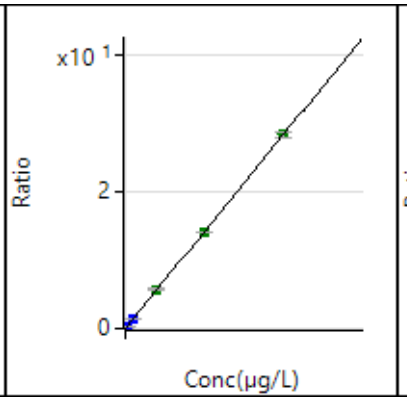
9 Be [No Gas]
ISTD: 6 Li
y = 5.261E-3 x + 3.947E-5
R 0.9999
DL 0.003831
BEC 0.007503



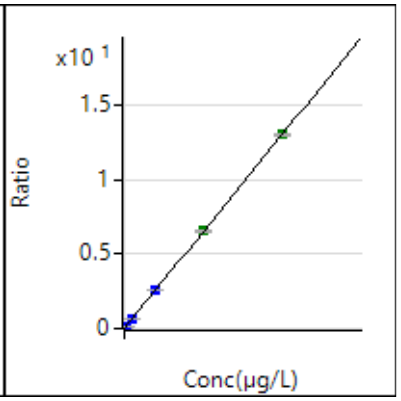
11 B [No Gas]
ISTD: 6 Li
y = 3.768E-3 x + 5.955E-3
R 0.9994
DL 0.09627
BEC 1.58



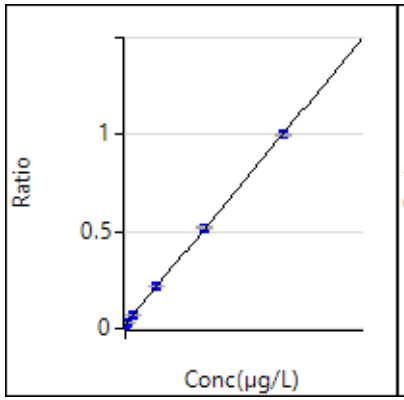
23 Na [He]
ISTD: 45 Sc
y = 1.008E-2 x + 4.201E-1
R 0.9997
DL 1.296
BEC 41.66



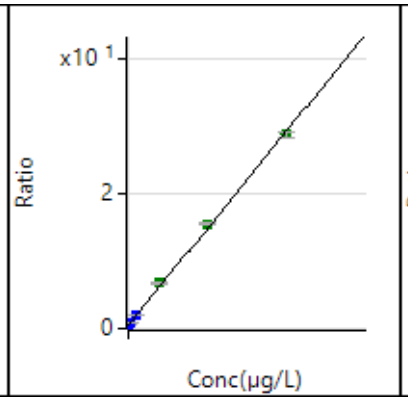
24 Mg [He]
ISTD: 45 Sc
y = 5.651E-3 x + 2.617E-3
R 1.0000
DL 0.06849
BEC 0.4631



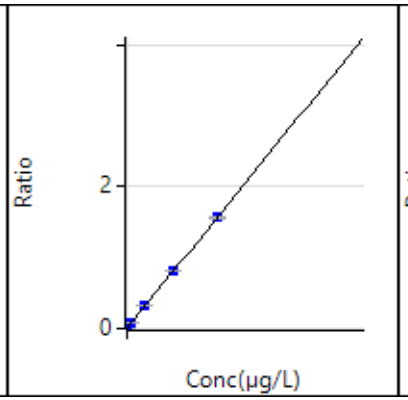
27 Al [He]
ISTD: 45 Sc
y = 2.611E-3 x + 2.369E-3
R 1.0000
DL 0.6032
BEC 0.9075



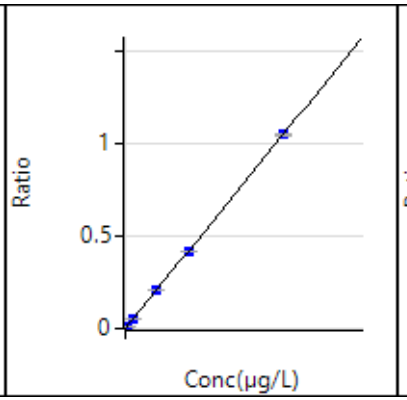
31 P [He]
ISTD: 45 Sc
y = 1.969E-4 x + 2.060E-2
R 1.0000
DL 7.793
BEC 104.6



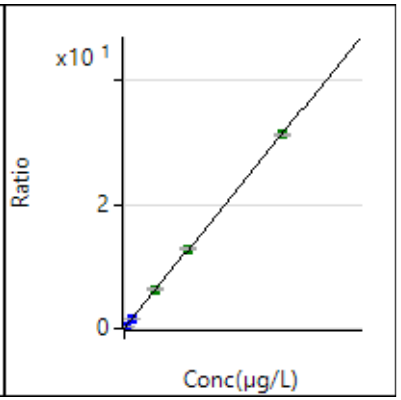
39 K [He]
ISTD: 45 Sc
y = 5.747E-3 x + 4.452E-1
R 0.9994
DL 0.9861
BEC 77.47



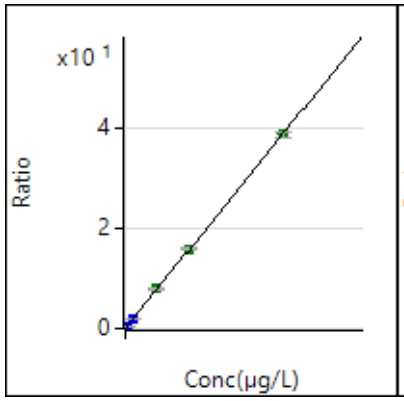
44 Ca [He]
ISTD: 45 Sc
y = 3.156E-4 x + 2.470E-3
R 0.9999
DL 1.686
BEC 7.826



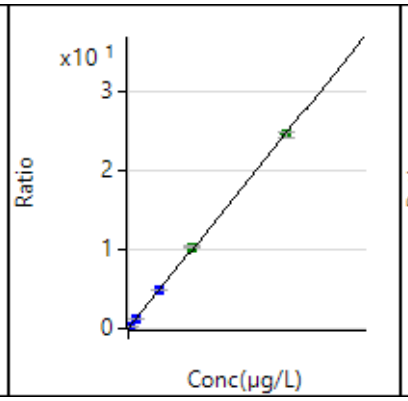
47 Ti [He]
ISTD: 45 Sc
y = 2.100E-3 x + 4.248E-5
R 1.0000
DL 0.0404
BEC 0.02023



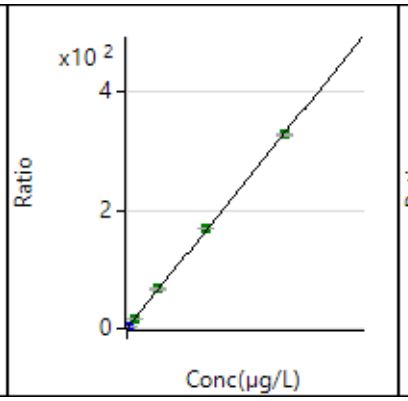
51 V [He]
ISTD: 45 Sc
y = 6.259E-2 x + 3.315E-2
R 1.0000
DL 0.04712
BEC 0.5296



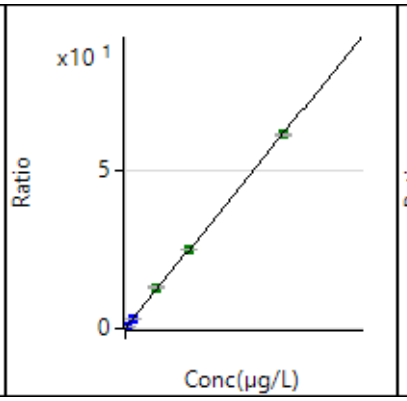
52 Cr [He]
ISTD: 45 Sc
y = 7.770E-2 x + 4.121E-3
R 0.9999
DL 0.009498
BEC 0.05304



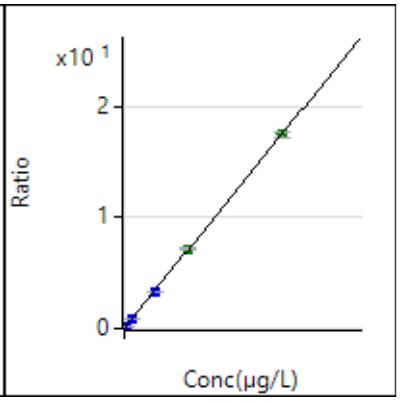
55 Mn [He]
ISTD: 45 Sc
y = 4.952E-2 x + 3.102E-3
R 0.9998
DL 0.01603
BEC 0.06265



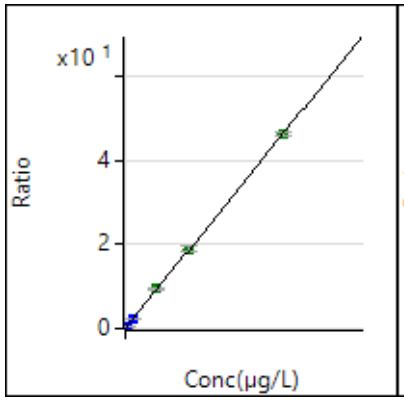
56 Fe [He]
ISTD: 45 Sc
y = 6.592E-2 x + 1.835E-1
R 0.9999
DL 0.03674
BEC 2.784



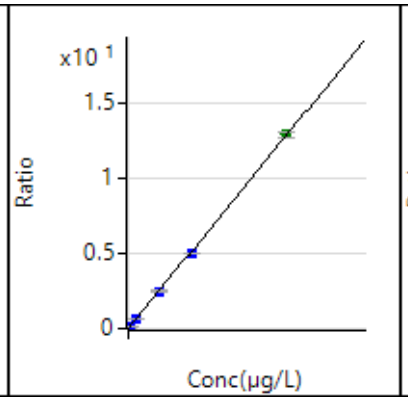
59 Co [He]
ISTD: 45 Sc
y = 1.240E-1 x + 1.383E-3
R 0.9999
DL 0.003907
BEC 0.01115



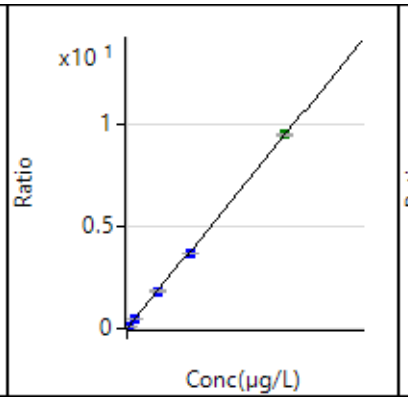
60 Ni [He]
ISTD: 45 Sc
y = 3.496E-2 x + 6.737E-4
R 0.9999
DL 0.007633
BEC 0.01927



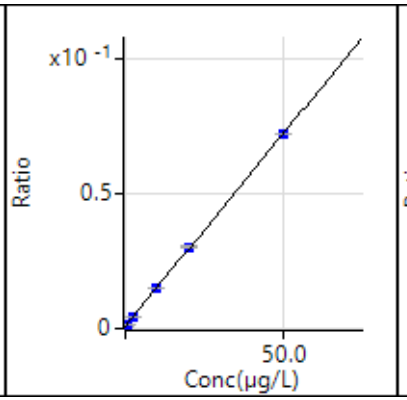
63 Cu [He]
ISTD: 45 Sc
y = 9.279E-2 x + 7.018E-3
R 0.9999
DL 0.005221
BEC 0.07563



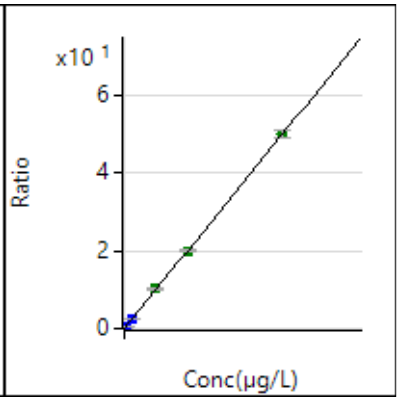
66 Zn [He]
ISTD: 72 Ge
y = 2.571E-2 x + 5.507E-3
R 0.9999
DL 0.06203
BEC 0.2142



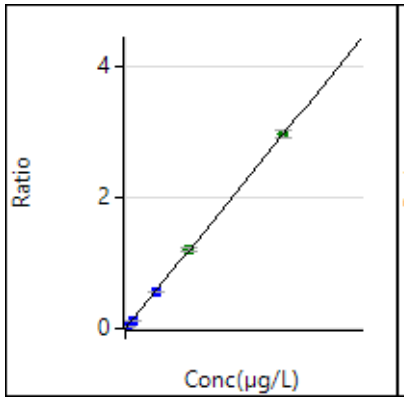
75 As [He]
ISTD: 72 Ge
y = 1.898E-2 x + 1.229E-3
R 0.9999
DL 0.0002027
BEC 0.06475



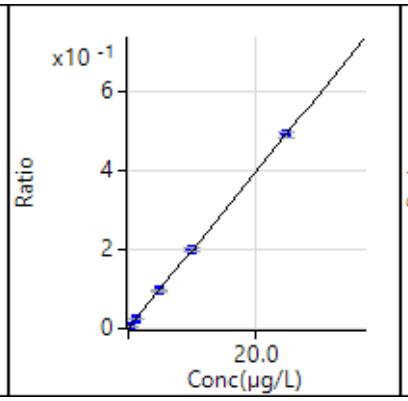
78 Se [He]
ISTD: 72 Ge
y = 1.428E-3 x + 8.811E-4
R 0.9999
DL 0.1788
BEC 0.6169



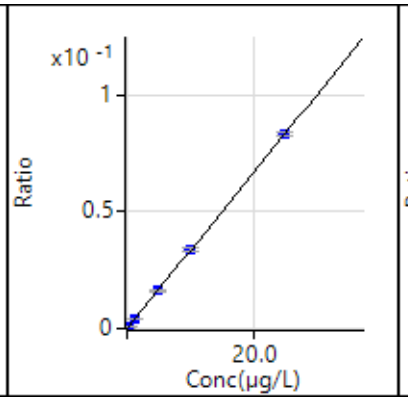
88 Sr [He]
ISTD: 72 Ge
y = 9.969E-2 x + 1.999E-3
R 1.0000
DL 0.005662
BEC 0.02005



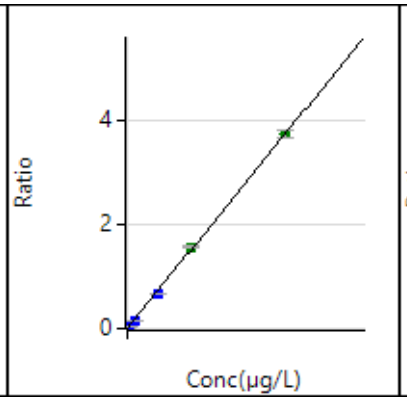
95 Mo [He]
ISTD: 115 In
y = 5.940E-3 x + 9.082E-5
R 0.9999
DL 0.005295
BEC 0.01529



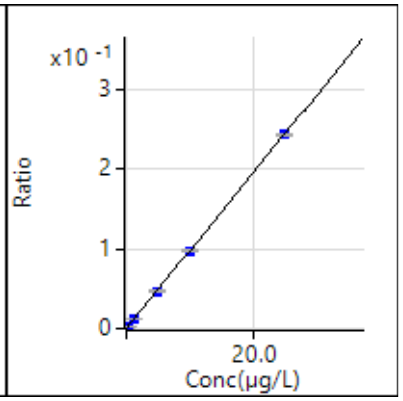
107 Ag [He]
ISTD: 115 In
y = 1.969E-2 x + 8.389E-5
R 1.0000
DL 0.0006983
BEC 0.004261



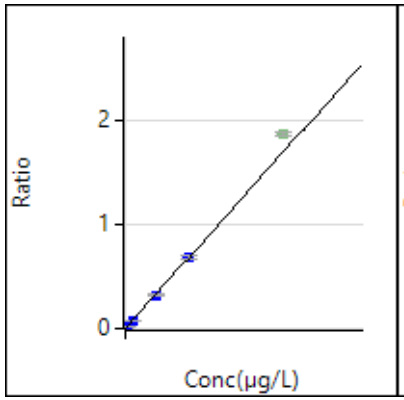
111 Cd [He]
ISTD: 115 In
y = 3.317E-3 x + 1.735E-6
R 1.0000
DL 0.0002777
BEC 0.0005231



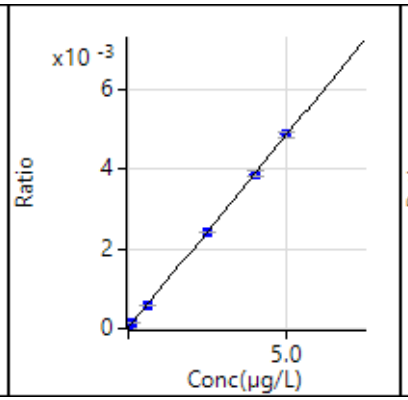
118 Sn [He]
ISTD: 115 In
y = 7.463E-3 x + 7.345E-4
R 0.9996
DL 0.07901
BEC 0.09842



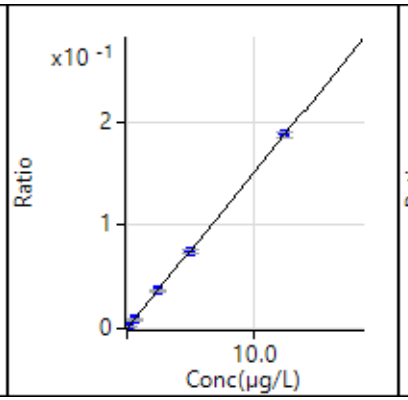
121 Sb [He]
ISTD: 115 In
y = 9.737E-3 x + 8.358E-5
R 1.0000
DL 0.005613
BEC 0.008584



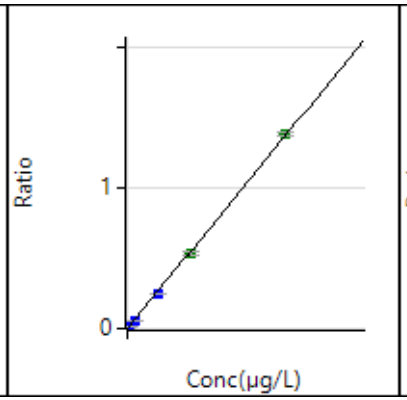
137 Ba [He]
ISTD: 115 In
y = 3.397E-3 x + 5.165E-5
R 0.9996
DL 0.01135
BEC 0.0152



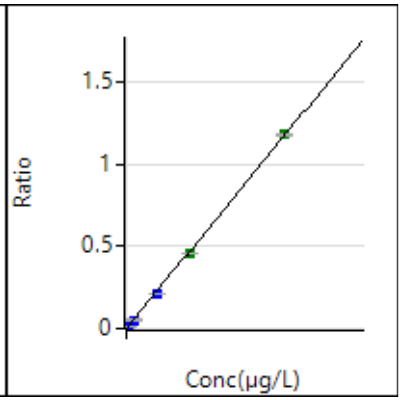
201 Hg [He]
ISTD: 159 Tb
y = 9.671E-4 x + 1.473E-5
R 1.0000
DL 0.005769
BEC 0.01523



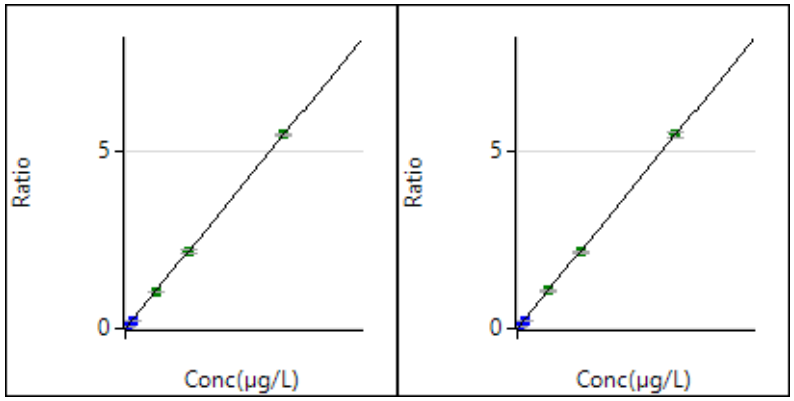
205 Tl [He]
ISTD: 159 Tb
y = 1.499E-2 x + 6.166E-6
R 1.0000
DL 0.0003662
BEC 0.0004114



206 [Pb] [He]
ISTD: 159 Tb
y = 5.476E-3 x + 1.817E-4
R 0.9997
DL 0.01281
BEC 0.03318



207 [Pb] [He]
ISTD: 159 Tb
y = 4.693E-3 x + 1.514E-4
R 0.9998
DL 0.003708
BEC 0.03226

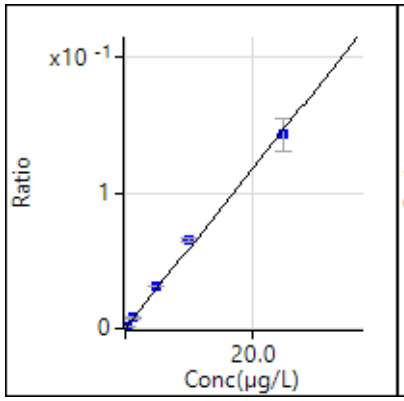


208 Pb [He]
ISTD: 159 Tb
y = 2.172E-2 x + 7.003E-4

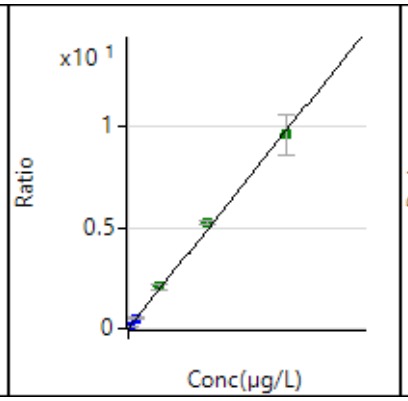
R	0.9999
DL	0.005435
BEC	0.03224

238 U [He]
ISTD: 159 Tb
y = 1.092E-2 x + 4.229E-5

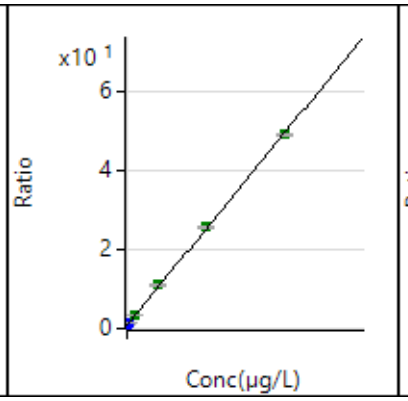
R	1.0000
DL	0.0005799
BEC	0.003872



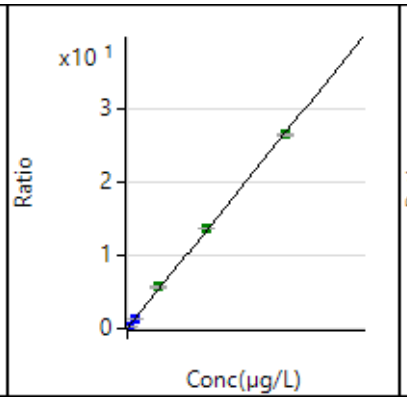
9 Be [No Gas]
ISTD: 6 Li
y = 5.854E-3 x + 9.084E-6
R 0.9985
DL 0.001816
BEC 0.001552



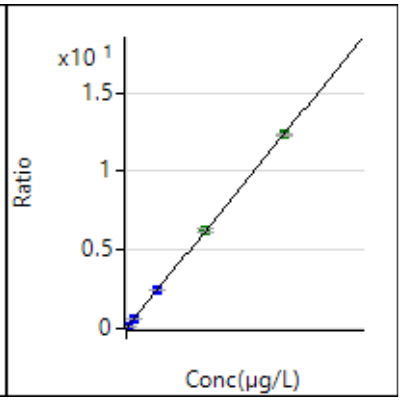
11 B [No Gas]
ISTD: 6 Li
y = 3.921E-3 x + 3.258E-3
R 0.9991
DL 0.1796
BEC 0.8308



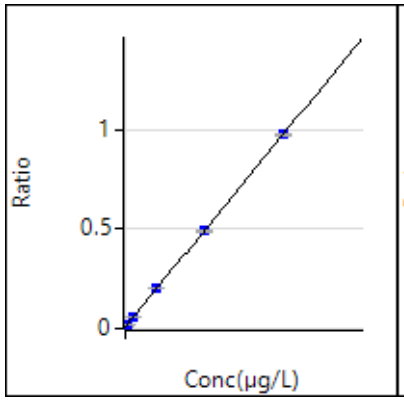
23 Na [He]
ISTD: 45 Sc
y = 9.740E-3 x + 7.660E-1
R 0.9999
DL 5.393
BEC 78.64



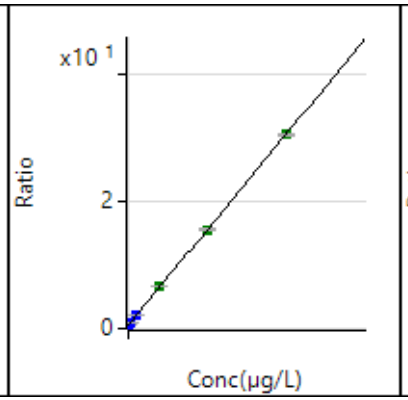
24 Mg [He]
ISTD: 45 Sc
y = 5.335E-3 x + 1.995E-3
R 0.9998
DL 0.06972
BEC 0.3739



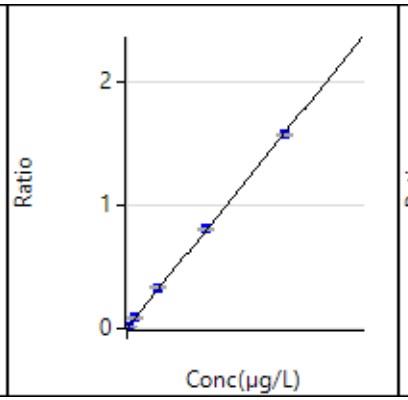
27 Al [He]
ISTD: 45 Sc
y = 2.474E-3 x + 1.351E-3
R 1.0000
DL 0.07283
BEC 0.546



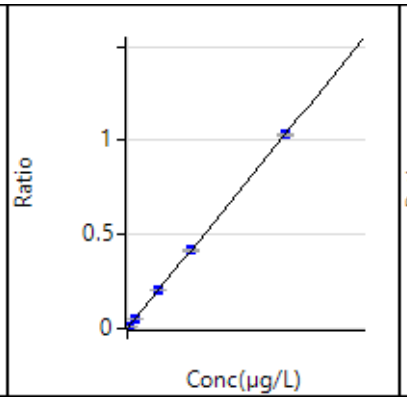
31 P [He]
ISTD: 45 Sc
y = 1.939E-4 x + 7.661E-3
R 1.0000
DL 8.316
BEC 39.51



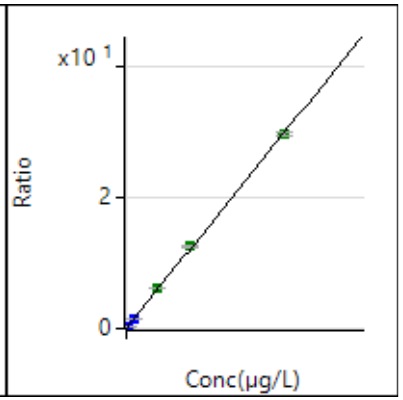
39 K [He]
ISTD: 45 Sc
y = 6.021E-3 x + 5.043E-1
R 1.0000
DL 3.838
BEC 83.75



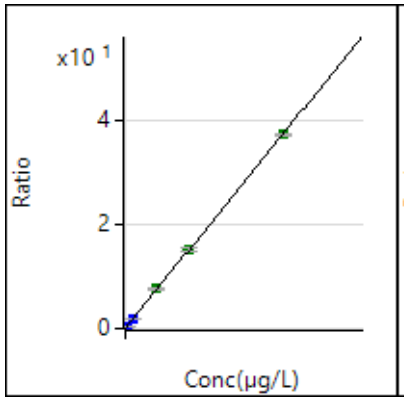
44 Ca [He]
ISTD: 45 Sc
y = 3.160E-4 x + 2.609E-3
R 0.9999
DL 1.05
BEC 8.257



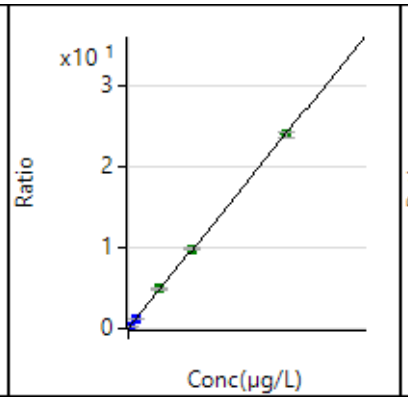
47 Ti [He]
ISTD: 45 Sc
y = 2.066E-3 x + 2.659E-5
R 1.0000
DL 0.02428
BEC 0.01287



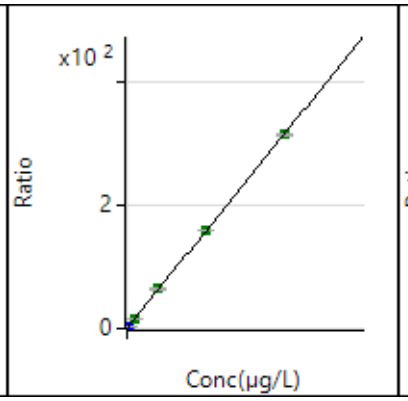
51 V [He]
ISTD: 45 Sc
y = 5.992E-2 x + 3.233E-2
R 0.9997
DL 0.02026
BEC 0.5396



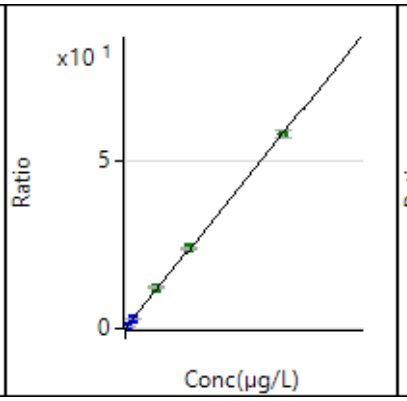
52 Cr [He]
ISTD: 45 Sc
y = 7.478E-2 x + 3.968E-3
R 1.0000
DL 0.00403
BEC 0.05306



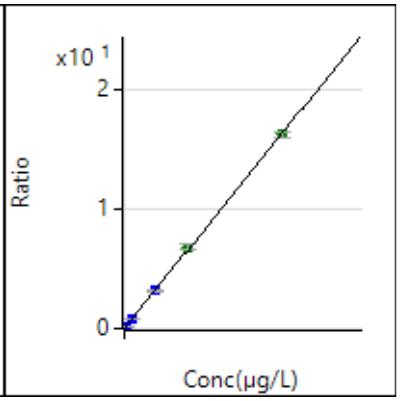
55 Mn [He]
ISTD: 45 Sc
y = 4.799E-2 x + 1.767E-3
R 0.9999
DL 0.006025
BEC 0.03682



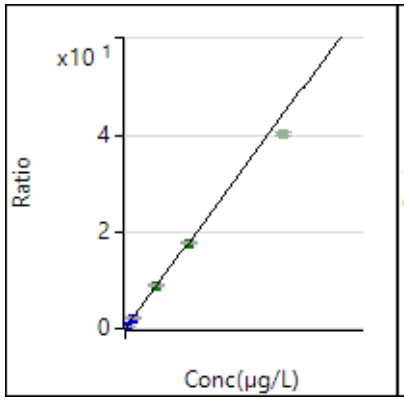
56 Fe [He]
ISTD: 45 Sc
y = 6.330E-2 x + 1.480E-1
R 1.0000
DL 0.1348
BEC 2.338



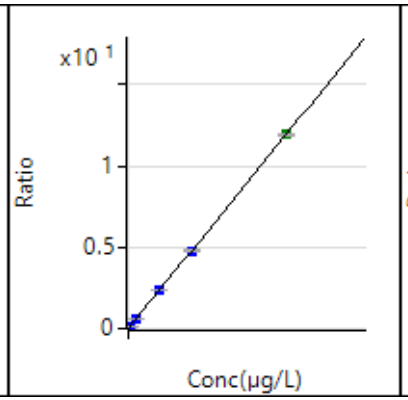
59 Co [He]
ISTD: 45 Sc
y = 1.166E-1 x + 3.842E-4
R 0.9999
DL 0.001352
BEC 0.003295



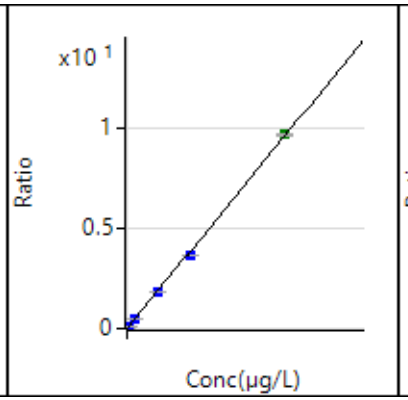
60 Ni [He]
ISTD: 45 Sc
y = 3.265E-2 x + 4.694E-4
R 0.9997
DL 0.005165
BEC 0.01437



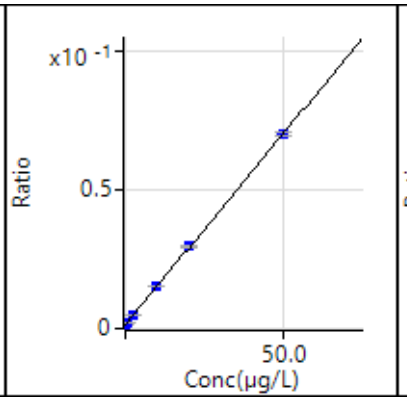
63 Cu [He]
ISTD: 45 Sc
y = 8.842E-2 x + 7.414E-3
R 1.0000
DL 0.009301
BEC 0.08384



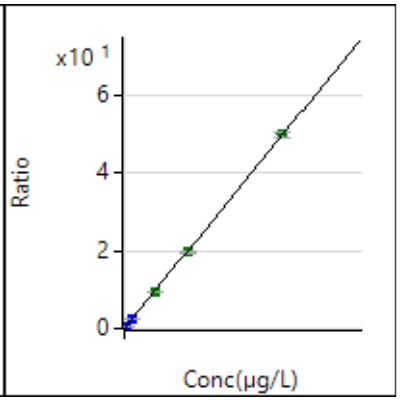
66 Zn [He]
ISTD: 72 Ge
y = 2.384E-2 x + 2.583E-3
R 1.0000
DL 0.03312
BEC 0.1083



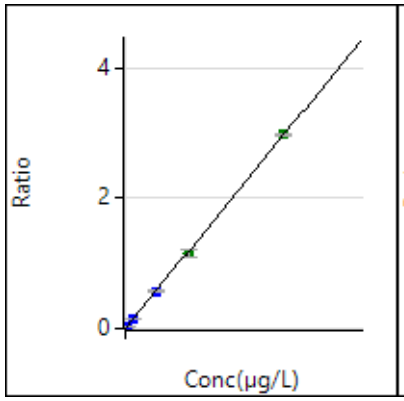
75 As [He]
ISTD: 72 Ge
y = 1.917E-2 x + 1.656E-3
R 0.9998
DL 0.01627
BEC 0.08636



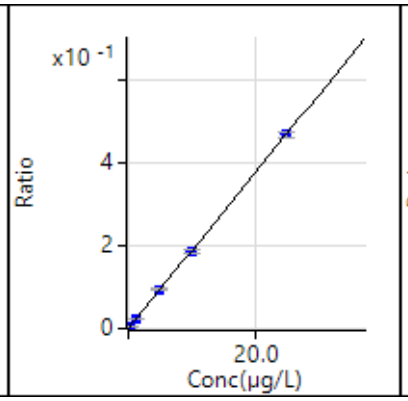
78 Se [He]
ISTD: 72 Ge
y = 1.374E-3 x + 1.332E-3
R 0.9999
DL 0.2743
BEC 0.9698



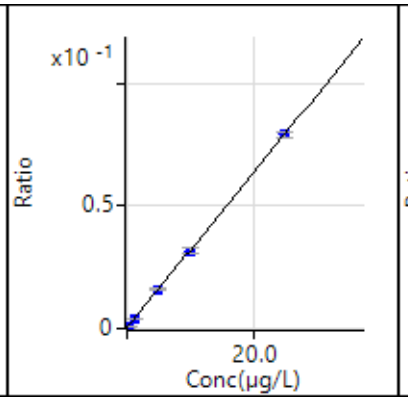
88 Sr [He]
ISTD: 72 Ge
y = 9.916E-2 x + 1.625E-3
R 0.9999
DL 0.00195
BEC 0.01638



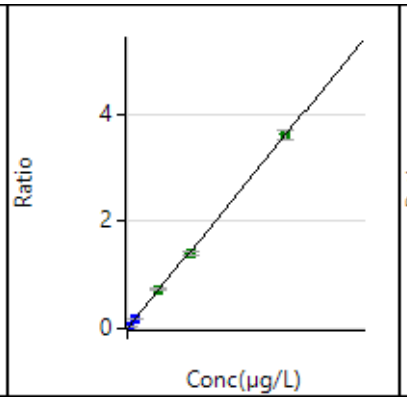
95 Mo [He]
ISTD: 115 In
y = 5.919E-3 x + 1.361E-5
R 0.9999
DL 0.002214
BEC 0.002299



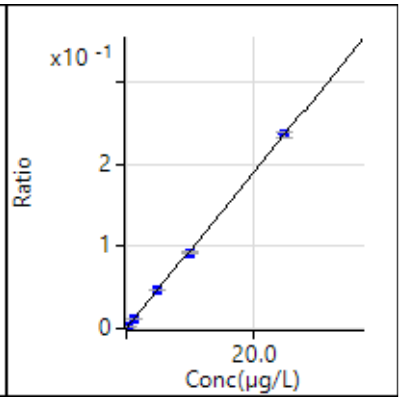
107 Ag [He]
ISTD: 115 In
y = 1.875E-2 x + 7.211E-5
R 1.0000
DL 0.002095
BEC 0.003846



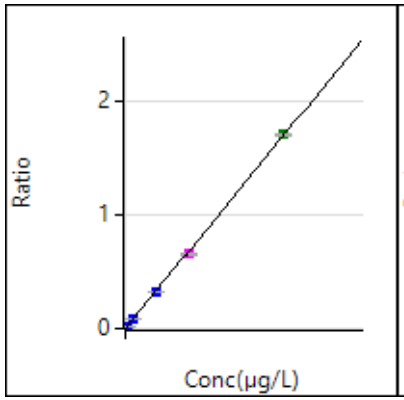
111 Cd [He]
ISTD: 115 In
y = 3.148E-3 x + 2.620E-4
R 1.0000
DL 0.04287
BEC 0.08323



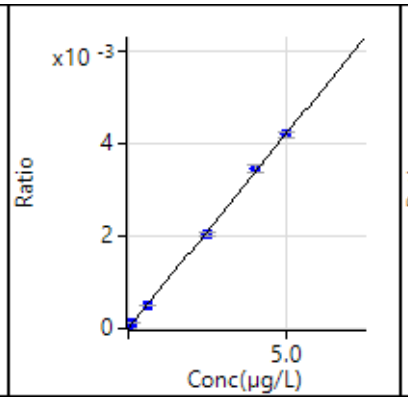
118 Sn [He]
ISTD: 115 In
y = 7.213E-3 x + 1.167E-4
R 0.9999
DL 0.005704
BEC 0.01618



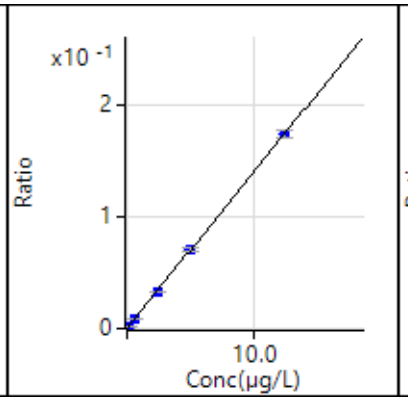
121 Sb [He]
ISTD: 115 In
y = 9.397E-3 x + 8.506E-5
R 1.0000
DL 0.00273
BEC 0.009051



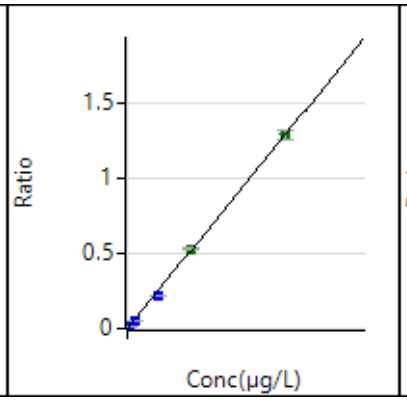
137 Ba [He]
ISTD: 115 In
y = 3.378E-3 x + 1.843E-5
R 0.9998
DL 0.002727
BEC 0.005455



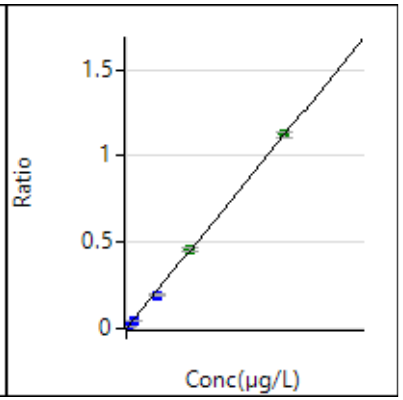
201 Hg [He]
ISTD: 159 Tb
y = 8.409E-4 x + 5.972E-6
R 0.9997
DL 0.002851
BEC 0.007102



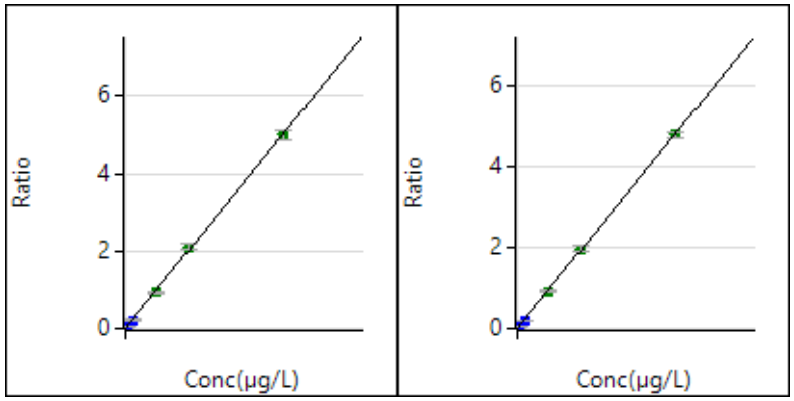
205 Tl [He]
ISTD: 159 Tb
y = 1.385E-2 x + 4.698E-6
R 0.9999
DL 0.0002458
BEC 0.0003392



206 [Pb] [He]
ISTD: 159 Tb
y = 5.135E-3 x + 1.226E-4
R 0.9994
DL 0.002547
BEC 0.02387



207 [Pb] [He]
ISTD: 159 Tb
y = 4.485E-3 x + 9.979E-5
R 0.9995
DL 0.001745
BEC 0.02225



208 Pb [He]
ISTD: 159 Tb
y = 2.012E-2 x + 4.633E-4

R	0.9997
DL	0.00553
BEC	0.02303

238 U [He]
ISTD: 159 Tb
y = 9.596E-3 x + 4.146E-6

R	0.9999
DL	0.0007368
BEC	0.0004321

Tunes

US EPA Tune Check Report

Operator Name	ICPMS
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\240826ME.b
Acq. Date-Time	8/26/2024 13:02:44
Report Comment	---
Instrument Name	G8422A SG22151236

[No Gas]

Sensitivity

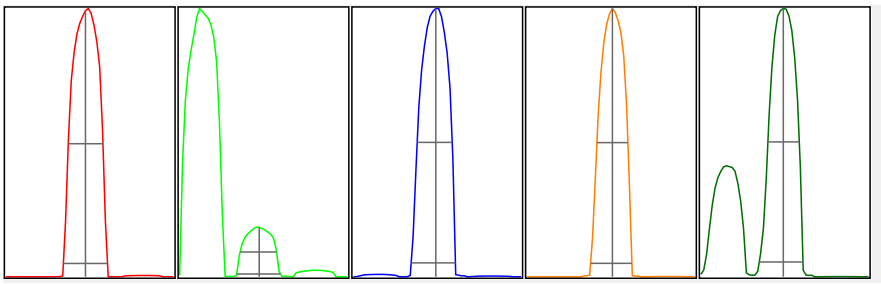
Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/(ug/l)]	Resp (Flag)	RSD%	RSD% (Required)
9	10.00	34982	349822.60			0.812	5.000
24	10.00	174951	1749512.67			0.798	5.000
59	10.00	316101	3161006.11			1.574	5.000
115	10.00	494969	4949689.55			0.447	5.000
208	10.00	299617	2996171.92			1.960	5.000

Mass	RSD% (Flag)
9	
24	
59	
115	
208	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	35254	35124	35139	34552	34842
24	176443	175651	174382	172829	175452
59	315844	313549	309328	320307	321475
115	492057	496546	493313	497301	495628
208	307732	298672	291232	299986	300465

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	60383.78	8.95	8.90 - 9.10	
24	287707.95	23.95	23.90 - 24.10	
59	539146.45	59.00	58.90 - 59.10	
115	946980.39	115.05	114.90 - 115.10	
208	552837.81	208.00	207.90 - 208.10	

US EPA Tune Check Report

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.61	0.777	0.900	
24	0.64	0.772	0.900	
59	0.62	0.779	0.900	
115	0.55	0.727	0.900	
208	0.55	0.769	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	153.699999999999
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.70 L/min	Makeup Gas	0.50 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	7.2 V	Deflect	11.4 V
Extract 2	-110.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-55 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	190 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9993	QP Bias	-3.0 V
Mass Offset	125	Axis Offset	0.03		

Hardware Settings

Torch

Torch H	0.3 mm	Torch V	-0.1 mm

EM

Discriminator	3.1 mV	Analog HV	2156 V	Pulse HV	1535 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/(ug/l)]	Resp (Flag)	RSD%	RSD% (Required)
24	10.00	5105	51049.16			0.989	5.000
59	10.00	96855	968552.29			1.352	5.000
115	10.00	133747	1337465.89			1.115	5.000
208	10.00	158372	1583720.42			1.304	5.000

Mass	RSD% (Flag)
24	
59	

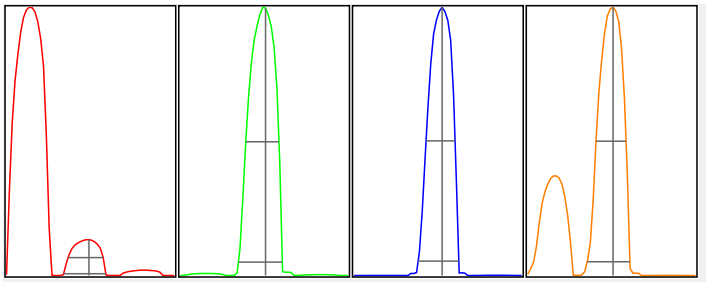
US EPA Tune Check Report

Mass	RSD% (Flag)
115	
208	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
24	5139	5099	5169	5076	5042
59	97068	97477	98288	96672	94772
115	133473	133647	134219	135768	131626
208	160367	156362	160791	156776	157565

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
24	8750.57	24.00	23.90 - 24.10	
59	172954.05	59.05	58.90 - 59.10	
115	267106.47	115.10	114.90 - 115.10	
208	307293.33	208.05	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
24	0.62	0.742	0.900	
59	0.58	0.773	0.900	
115	0.51	0.716	0.900	
208	0.53	0.751	0.900	

Integration Time [sec] 0.1
Acquisition Time [sec] 122.96
Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.70 L/min	Makeup Gas	0.35 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.1 V	Deflect	0.4 V
Extract 2	-200.0 V	Cell Entrance	-40 V	Plate Bias	-55 V
Omega Bias	-105 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	3.0 V

US EPA Tune Check Report

He Flow	4.3 mL/min	OctP Bias	-18.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9993	QP Bias	-15.0 V
Mass Offset	125	Axis Offset	0.03		

Hardware Settings

Torch

Torch H	0.3 mm	Torch V	-0.1 mm		

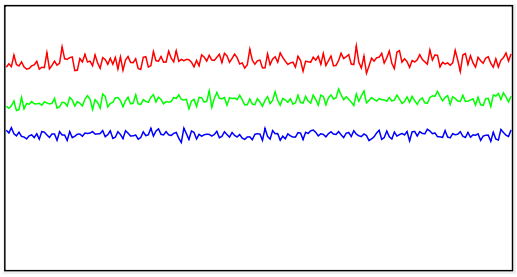
EM

Discriminator	3.1 mV	Analog HV	2156 V	Pulse HV	1535 V

Performance Report

Operator Name	ICPMS
Acq. Date-Time	8/26/2024 10:42:47
Instrument Name	G8422A SG22151236
Sample Introduction	PeriPump
Nebulizer Type	MicroMist
Ion Lens Model	x-Lens
Tune Parameters	Standard Tune

Sensitivity



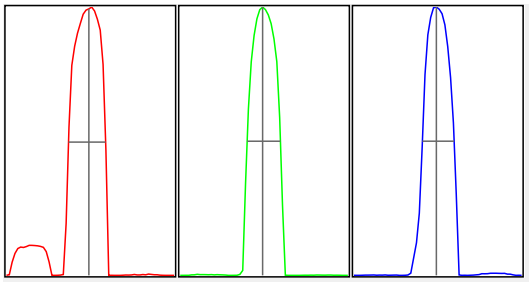
Mass	Range	Count	RSD%	Background
7	5000	3976	2.484	1.150
89	20000	12882	2.384	0.650
205	20000	10259	2.176	4.550

Sampling Period [sec]	0.311
Integration Time [sec]	0.1

Oxide/Doubly Charged Ratio

Oxide	156 / 140 0.966 %
Doubly Charged	70 / 140 2.404 %

Resolution/Axis



Mass	Peak Height	Axis	W-50%	W-10%
7	3956.09	7.00	0.65	0.76
89	12951.43	89.00	0.59	0.72
205	10143.58	205.00	0.56	0.75

Integration Time [sec]	0.1
Acquisition Time [sec]	22.74

Tune Parameters

Plasma Parameters

RF Power	1550 W	Option Gas	---	Makeup Gas	0.00 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Auxiliary Gas	0.90 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C	Plasma Gas	15.0 L/min
Nebulizer Gas	1.09 L/min				

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.0 V	Deflect	12.4 V
Extract 2	-185.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-100 V	Cell Exit	-50 V		

Performance Report

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	190 V		

QP Parameters

QP Bias	-3.0 V

Hardware Settings

Torch

Torch H	0.3 mm	Torch H (Hot)	---	Torch H (Cool)	---
Torch V	-0.1 mm	Torch V (Hot)	---	Torch V (Cool)	---

Plasma Correction

Nebulizer Gas Offset	0.04 L/min	Makeup Gas (Hot)	---	Makeup Gas (Cool)	---
		Sample Depth (Hot)	---		

Resolution/Axis

Mass Gain	123	Axis Gain	0.9993		
Mass Offset	125	Axis Offset	0.03		

EM

Discriminator	3.1 mV	Analog HV	2156 V	Pulse HV	1535 V

Performance Report

Meter

Name	Value	Unit
Nebulizer Gas	1.09	L/min
MU./Dil. Gas	0.00	L/min
Plasma Gas	15.00	L/min
Aux Gas	0.90	L/min
Ar Gas Tank Press	5.57E+2	kPa
+5V (Press Gage)	5.0	V
Ar AMFC Temp	31.2	°C
Nebulizer Gas(DP)	5.74E+0	kPa
MU./Dil. Gas(DP)	-2.16E-1	kPa
Aux Gas(DP)	1.07E+1	kPa
Plasma Gas(DP)	1.17E+1	kPa
Nebulizer Gas(BP)	3.09E+2	kPa
MU./Dil. Gas(BP)	0.00E+0	kPa
Aux Gas(BP)	6.05E+1	kPa
Plasma Gas(BP)	4.29E+1	kPa
S/C Temp (H)	21.0	°C
S/C Temp (L)	2.0	°C
Peltier Voltage	3.1	V
IF/BK Press	2.55E+2	Pa
Analyzer Press	5.74E-5	Pa
IG HV	178	V
IG Emission	4.98	µA
TMP Revolution	100.0	%
TMP Rev (Raw)	100.6	%
TMP Current	2.80	A
PWR AMP Drain I	0.3	A
PWR AMP Bias	3.98	V
OctP RF (Avg)	192.8	V
OctP RF Set	3.7	V
OctP FET Bias Set	3.73	V
OctP RF(+)	169.2	V
OctP RF(-)	214.6	V
OctP Bias	-7.9	V
Cell Temp.	65.0	°C
Cell Heater Volt.	3.8	V
+U Voltage	177.4	V

Name	Value	Unit
-U Voltage	-188.3	V
V Voltage	1546.8	V
QPRF Fader	1.3	V
Pickup Temp	55.0	°C
PWR Amp Temp	0.1	V
+600V	620.7	V
-120V	-133.1	V
-720V	-741.5	V
Prefilter Bias	-4.98	V
Pickup Heater I	0.08	A
QP PS +48V	47.6	V
QP PS +48V I	0.00	A
Analog HV	-2162	V
Pulse HV	1546	V
EM Gate	-40.8	V
Pulse Gate	324.1	V
EM Entrance	0.1	V
EM HV Gain	-779.5	V
Inner Pole	-300.0	V
Outer Pole	19.9	V
Analog -5V	-5.1	V
Analog +15V	14.5	V
Analog -15V	-14.4	V
Analog +5V	5.2	V
Shunt C Pos	1.5	V
Drain Volt.(max)	60.4	V
RF PS +48V	47.4	V
Forward Power	1549	W
Reflected Power	2	W
Plasma Freq.	27.07	MHz
Drain I 1	11.68	A
Drain I 2	10.56	A
Drain I 3	11.01	A
Drain I 4	11.52	A
Temp Sensor	2.8	V
Driver I	5.98	A

Name	Value	Unit
Igniter	0.1	V
Driver Voltage Set	6.9	V
Unbalance Current	0.34	A
PWM Threshold Set	0.2	V
Driver Voltage	5.6	V
PWM Threshold	0.2	V
Phase Detector	-2.0	mV
H2 Gas	0.00	mL/min
He Gas	0.11	mL/min
H2 Gas Press	1.71E+2	kPa
He Gas Press	0.00E+0	kPa
ORS AMFC Temp	32.1	°C
Atmospheric Press	1.02E+2	kPa
Extract 1	0.0	V
Extract 2	-185.1	V
Omega Bias	-100.0	V
Omega Lens	9.2	V
Cell Entrance	-30.0	V
Cell Exit	-50.0	V
Deflect	12.5	V
Plate Bias	-35.1	V
HV+530V	531	V
HV+240V	238	V
HV-360V	-360	V
Inlet Temp	27.1	°C
Internal Temp	35.8	°C
+24V	23.7	V
Water Temp	22.8	°C
Water RF/WC/IF	1.48	L/min
ISIS 3 Pump Speed	0.0	%
Valve Position		
Tune/ISTD Valve		

Performance Report History

Sensitivity

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/26/2024 10:42:47	3976	12882	10259
8/23/2024 09:05:16	3432	12892	9568
8/22/2024 08:43:54	3662	14009	10981
8/21/2024 08:04:13	3190	14776	11594
8/20/2024 09:20:37	4220	16080	10288
8/19/2024 10:25:21	3050	10181	8067
8/19/2024 09:17:03	3195	9903	8321
8/16/2024 08:56:38	3253	15296	12175
8/15/2024 08:28:01	3146	14138	12111
8/14/2024 08:24:41	3158	13973	11673
8/13/2024 08:51:41	3023	15070	13056
8/12/2024 09:10:43	3411	12432	11805
8/12/2024 08:57:52	1786	5237	5122
8/9/2024 11:39:50	3767	15758	13022
8/9/2024 10:08:20	12	1	3
8/8/2024 08:40:39	3024	12546	9719
8/7/2024 09:19:16	2917	12165	9488
8/6/2024 11:12:44	2859	11998	10016
8/6/2024 10:53:38	2232	10655	9558
8/5/2024 10:40:17	2691	10635	9226
8/5/2024 10:09:19	2125	6835	5664
8/5/2024 09:55:23	2365	7939	6556
8/2/2024 09:40:16	3340	11024	9295
8/2/2024 08:37:48	3505	10692	8586
8/1/2024 10:38:00	3758	12250	9330
8/1/2024 09:06:45	3389	10556	9761
7/31/2024 08:13:58	3039	11937	9529
7/30/2024 08:50:51	2533	10165	9332
7/29/2024 16:06:05	3222	12529	9934
7/29/2024 12:07:28	3037	11992	10136
7/29/2024 11:14:31	3174	12095	10013
7/29/2024 10:15:21	2846	11965	10483
7/26/2024 08:53:52	3203	12639	10549
7/25/2024 09:09:23	2585	8526	8080
7/24/2024 15:10:09	3079	9987	9009
7/24/2024 08:46:25	3148	11490	9796
7/23/2024 09:32:54	3357	11492	9580
7/22/2024 10:18:30	3442	12004	11023
7/19/2024 08:55:06	3486	11885	10185
7/18/2024 09:06:31	3257	9447	8888
7/17/2024 13:03:52	2495	9473	8373

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
7/17/2024 08:53:29	2867	10755	8619
7/16/2024 08:54:03	2886	10903	8985
7/15/2024 10:39:29	2656	10995	8921
7/15/2024 10:30:38	103	5	6
7/15/2024 10:13:57	1404	5260	4224
7/15/2024 09:02:48	3268	12919	10156
7/12/2024 08:34:22	2706	11570	8940
7/11/2024 09:57:22	2727	11970	8459
7/10/2024 08:53:17	2246	9073	7312
7/9/2024 11:54:06	3038	12303	9808
7/9/2024 11:32:31	2139	7705	5834
7/9/2024 11:26:38	2090	7758	5904
7/9/2024 10:39:16	3437	12816	9591
7/9/2024 09:17:46	2577	11478	8879
7/9/2024 08:57:06	3286	13034	8974
7/8/2024 09:21:55	3166	12745	9642
7/8/2024 09:16:31	3066	12665	9668
7/5/2024 09:03:10	3288	13628	11266
7/3/2024 13:05:52	3539	13046	10137
7/3/2024 11:25:40	3213	12344	9957
7/3/2024 09:13:37	3169	12570	10423
7/3/2024 08:44:49	2051	12221	9873
7/2/2024 10:26:17	2328	11750	10360
7/2/2024 08:58:12	3072	10344	9707
7/1/2024 14:16:19	3282	10802	9231
7/1/2024 10:01:10	3288	12796	10476
6/28/2024 08:25:22	3484	12596	10301
6/27/2024 08:34:14	3474	12721	10120
6/27/2024 08:11:22	1666	11338	9258
6/26/2024 07:54:24	2501	8288	8428
6/25/2024 09:02:17	2627	12790	10975
6/24/2024 09:30:27	2976	12050	10056
6/21/2024 08:55:34	3096	13175	9957
6/21/2024 08:22:44	1280	11401	9041
6/20/2024 09:00:43	2564	9588	8694
6/19/2024 07:51:31	2980	11922	9704
6/18/2024 07:52:20	3296	11922	9824
6/17/2024 08:58:45	3009	9463	9003
6/14/2024 08:44:27	2879	12214	10357
6/13/2024 08:42:30	3176	12682	10526
6/12/2024 09:03:47	2996	12633	11312

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
6/11/2024 08:44:40	3492	13252	10118
6/10/2024 09:31:51	4111	13060	10421
6/10/2024 09:17:04	3508	11070	8441
6/10/2024 09:10:07	3930	12555	9564
6/7/2024 09:02:38	3417	11597	7618
6/6/2024 15:20:20	2950	9649	8247
6/6/2024 05:03:01	3480	13184	11025
6/6/2024 04:59:28	3438	13257	11014
6/5/2024 08:30:26	3575	12412	10789
6/4/2024 08:52:51	3401	12310	11419
6/4/2024 08:39:35	2814	11768	10904
6/4/2024 08:33:37	3060	12687	11246
6/3/2024 10:10:17	3272	10175	10494
6/3/2024 09:51:43	1907	6599	4712
6/3/2024 09:44:54	2209	7627	5199
6/3/2024 09:30:49	3299	9738	9247
5/31/2024 08:42:32	3301	13328	10713
5/30/2024 09:08:46	3406	13401	10419
5/29/2024 09:04:40	3587	13162	10590
5/29/2024 08:48:40	1739	11664	8844
5/29/2024 08:44:08	1858	12854	9297
5/28/2024 09:34:37	3138	12513	10682
5/24/2024 07:20:01	3325	12857	11044
5/23/2024 10:25:13	3407	12821	11140
5/22/2024 09:45:06	3583	12763	11601
5/21/2024 09:06:58	3752	13803	11837
5/21/2024 08:01:17	3966	14413	11053
5/20/2024 17:22:27	3645	10846	9662
5/20/2024 17:18:56	3613	10801	9645
5/20/2024 09:20:56	3333	12566	10681
5/17/2024 09:12:39	3467	13701	10660
5/16/2024 08:56:23	3599	13565	10699
5/15/2024 09:38:13	3581	13159	10227
5/15/2024 09:21:01	1917	11948	9850
5/14/2024 09:41:16	3346	12368	10966
5/14/2024 09:04:40	3206	11414	12297
5/13/2024 09:04:44	2639	15138	12300
5/10/2024 08:57:17	2178	13865	10279
5/9/2024 09:06:46	2313	13292	10727
5/9/2024 08:50:21	1763	12142	9522
5/9/2024 08:44:20	1789	12171	9682

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
5/8/2024 09:39:10	3313	11092	11044
5/7/2024 17:05:39	3463	13115	10886
5/7/2024 16:48:43	3264	12073	10628
5/7/2024 09:19:24	3347	12706	11167
5/6/2024 09:15:59	3892	14499	12724
5/6/2024 09:03:10	3843	14665	13481
5/3/2024 09:11:06	3540	13100	11548
5/2/2024 09:48:24	3670	12233	11836
5/1/2024 09:22:54	4036	13686	11251
4/30/2024 10:43:56	4361	13605	11359
4/30/2024 08:17:01	4350	13793	11664
4/29/2024 09:10:57	4751	14089	11140
4/29/2024 08:57:45	3329	9292	6892
4/26/2024 08:09:31	5054	14978	10788
4/25/2024 09:37:51	4308	13902	11794
4/24/2024 09:17:24	4876	17662	12102
4/23/2024 22:46:11	4199	16180	12059
4/23/2024 09:01:59	3715	15592	11876
4/22/2024 10:16:34	4292	15978	13578
4/19/2024 10:59:00	3974	16385	11540
4/19/2024 10:07:48	2645	8439	3189
4/19/2024 09:10:32	360162	657303	2022720
4/18/2024 09:24:23	3369	17060	12485
4/17/2024 17:03:53	2828	16000	10229
4/17/2024 16:22:27	2262	14213	9009
4/17/2024 09:09:54	3608	12353	11595
4/16/2024 09:06:44	4046	14969	11814
4/15/2024 09:14:49	4139	16052	12083
4/12/2024 08:28:21	4666	17208	13280
4/11/2024 08:35:01	4138	17113	13613
4/10/2024 09:48:58	4018	16844	14484
4/9/2024 08:56:49	3881	15432	13181
4/8/2024 09:25:48	4035	16790	14224
4/5/2024 08:28:47	3893	17251	13416
4/4/2024 11:00:01	2778	10338	7494
4/4/2024 10:45:12	4028	16465	14158
4/3/2024 08:29:42	3630	16640	12452
4/2/2024 09:43:44	3046	17903	13815
4/1/2024 09:27:15	3194	17804	13701
3/29/2024 08:53:28	2520	17006	12384
3/28/2024 09:08:20	2920	17324	12995

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
3/27/2024 16:48:32	3382	17176	12605
3/27/2024 10:07:18	3661	16126	12723
3/27/2024 08:49:30	3929	17060	12992
3/26/2024 10:28:06	4590	16054	14855
3/25/2024 10:10:30	4003	18464	13973
3/22/2024 09:00:45	2984	17875	12893
3/21/2024 08:44:31	3167	17829	13067
3/20/2024 09:03:42	3080	17089	12389
3/19/2024 13:23:15	3786	17505	12877
3/19/2024 09:31:32	3279	17943	12421
3/18/2024 10:47:35	4608	16508	13822
3/15/2024 09:19:25	2446	16491	10868
3/14/2024 09:13:05	2441	16585	10800
3/13/2024 09:22:30	2903	16825	11325
3/12/2024 09:10:39	2653	17105	11709
3/11/2024 11:07:32	4200	16181	13057
3/11/2024 09:31:05	4293	17257	11986
3/11/2024 09:27:33	4322	17396	12106
3/8/2024 08:29:13	4145	16244	11704
3/7/2024 17:46:09	4185	15148	11811
3/7/2024 13:19:13	4029	15848	11265
3/7/2024 09:28:32	3605	13491	9204
3/7/2024 09:11:32	2580	13526	10298
3/7/2024 09:01:08	2698	13846	10718
3/6/2024 10:19:40	3208	14488	10724
3/5/2024 10:15:16	273	1743	2387
3/5/2024 10:09:01	146	892	1334
3/4/2024 11:41:00	4063	15365	11233
3/4/2024 11:28:21	1954	9059	5433
3/1/2024 08:43:28	2996	15512	8966
2/29/2024 10:38:23	4306	15354	11334
2/29/2024 10:00:25	554	3889	4359
2/29/2024 09:54:15	506	3359	3784
2/28/2024 09:32:01	3061	18229	13084
2/27/2024 09:16:47	2827	17549	11855
2/26/2024 10:30:35	3971	16379	11179
2/26/2024 10:00:21	1827	10055	6679
2/23/2024 09:07:38	3382	16511	11230
2/22/2024 08:58:48	3065	15604	10264
2/21/2024 09:51:13	3455	16190	11543
2/20/2024 09:59:52	3253	15976	11176

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
2/19/2024 11:30:32	4894	17240	13782
2/19/2024 11:27:00	4856	17120	13743
2/19/2024 10:16:07	4289	15395	10107
2/16/2024 10:28:26	3613	15969	9007
2/15/2024 09:20:58	4185	16564	9371
2/14/2024 09:20:12	4712	16825	9695
2/13/2024 10:44:41	4401	16379	9098
2/13/2024 10:29:18	758	13401	11559
2/12/2024 11:24:46	2301	15124	11918
2/12/2024 11:09:08	53	2239	4028
2/12/2024 10:33:45	42	1954	3702
2/12/2024 10:19:52	438	2663	2740
2/12/2024 10:03:02	137	541	1027
2/9/2024 09:43:26	2475	17092	10562
2/8/2024 09:41:08	2739	17007	11011
2/7/2024 09:08:34	2949	17251	11332
2/6/2024 10:08:14	3266	17222	10352
2/5/2024 16:27:35	2590	11801	7811
2/2/2024 09:52:22	4247	15989	11850
2/1/2024 09:29:20	4221	15873	11923
1/31/2024 11:01:25	4619	16449	12370
1/31/2024 10:56:52	2140	7715	5751
1/30/2024 09:04:33	4439	15663	11799
1/29/2024 09:09:33	3916	13763	12278
1/26/2024 10:08:59	3557	15191	9410
1/25/2024 09:54:25	3735	15427	9753
1/24/2024 08:52:40	3752	15257	10201
1/23/2024 11:08:41	3473	15039	10359
1/22/2024 09:17:23	4075	16149	10348
1/22/2024 09:06:26	2984	12293	7869
1/19/2024 09:01:45	3434	14536	9100
1/18/2024 10:29:20	3342	14635	9148
1/17/2024 08:52:45	3752	15881	10390
1/16/2024 14:09:54	4332	14365	9878
1/16/2024 13:58:35	1849	8752	5553
1/16/2024 13:45:11	1759	8747	5733
1/15/2024 13:03:28	344	1843	2376
1/15/2024 10:46:25	310	1953	2595
1/15/2024 10:34:05	355	1945	2594
1/15/2024 10:25:28	354	1906	2502
1/15/2024 09:48:32	378	1867	2261

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/15/2024 09:32:45	371	1842	2272
1/11/2024 14:10:39	440	1388	1671
1/11/2024 14:00:32	442	1331	1629
1/11/2024 13:07:14	441	1073	1309
1/11/2024 12:18:32	442	1296	1595
1/11/2024 10:36:51	468	1469	1987
1/11/2024 10:28:26	430	1428	1696
1/11/2024 09:11:58	387	1869	2263
1/11/2024 09:02:27	313	1592	1975
1/11/2024 08:54:00	310	1559	1944
1/10/2024 09:10:40	3490	14986	10982
1/9/2024 12:58:05	4349	14607	8180
1/9/2024 12:49:35	715	10779	7642
1/9/2024 12:37:33	8	1202	6143
1/9/2024 12:22:55	8	1215	6181
1/9/2024 12:00:03	8	1341	6546
1/9/2024 11:54:42	9	1280	6372
1/9/2024 11:45:17	9	1382	6594
1/9/2024 11:40:53	10	1397	6617
1/9/2024 11:25:08	362	1545	1665
1/9/2024 11:20:04	363	1540	1650
1/8/2024 13:49:37	3408	10281	9523
1/8/2024 12:34:48	1155	5021	6450
1/8/2024 12:30:18	1191	5187	6341
1/5/2024 09:35:49	3668	12692	8070
1/4/2024 09:13:21	3867	12894	6927
1/4/2024 09:00:57	603	1935	1257
1/3/2024 08:46:17	3809	12778	9107
1/2/2024 11:16:48	3519	12397	9390
1/2/2024 10:38:17	3814	12293	8842
12/29/2023 10:12:49	4013	12649	8816
12/28/2023 08:59:35	3766	13387	9586
12/27/2023 12:20:02	3809	12937	8800
12/27/2023 11:34:32	40	9	2
12/27/2023 10:51:04	55	31	2
12/27/2023 10:41:08	72	37	8
12/27/2023 10:33:50	3879	13288	8945
12/27/2023 10:28:28	3772	13183	8580
12/22/2023 07:49:52	3943	11892	9924
12/21/2023 08:44:43	3526	13027	9943
12/20/2023 09:26:41	4003	13172	10074

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/19/2023 09:55:37	4333	13694	10285
12/18/2023 10:16:18	4138	13763	10818
12/18/2023 10:06:38	3415	13014	10962
12/18/2023 10:00:26	3894	14384	11204
12/15/2023 09:45:55	3734	14030	9513
12/14/2023 10:23:15	3524	14113	9600
12/13/2023 10:17:40	3829	13996	9570
12/12/2023 09:56:00	3555	14240	9677
12/11/2023 10:31:48	3701	14394	9382
12/8/2023 10:10:39	3664	14293	8929
12/7/2023 09:51:50	3426	13353	8809
12/6/2023 10:12:37	3698	14579	8824
12/5/2023 10:02:14	3349	13427	9922
12/4/2023 12:08:53	3427	12418	10340
12/4/2023 11:24:17	1768	7808	8292
12/4/2023 11:20:06	1802	8001	8316
12/4/2023 11:16:06	1832	8106	8250
12/4/2023 10:23:39	1770	7816	7735
12/4/2023 10:16:55	1601	7275	7827
12/4/2023 10:09:27	1944	8113	7456
12/1/2023 09:45:19	2113	9054	8466
11/30/2023 11:48:17	2317	9995	8851
11/30/2023 11:13:01	1727	8309	9089
11/30/2023 11:05:44	1721	8023	8748
11/30/2023 10:33:46	1172	5927	8124
11/29/2023 10:04:26	2359	11870	8365
11/29/2023 09:51:22	1483	5693	3444
11/28/2023 12:50:37	3146	12531	8324
11/28/2023 12:18:55	2789	8914	4789
11/28/2023 12:15:04	3346	10726	5995
11/28/2023 11:49:24	2609	8496	4878
11/28/2023 10:22:53	1529	5718	4738
11/28/2023 10:19:03	1663	6180	5204
11/28/2023 10:15:20	1784	6623	5657
11/28/2023 09:59:37	1436	6174	5639
11/27/2023 10:28:48	2148	9665	8835
11/27/2023 10:07:16	1451	7618	8440
11/27/2023 10:01:25	1454	7648	8543
11/27/2023 09:52:06	1636	8794	9323
11/22/2023 09:50:47	2317	9749	8520
11/21/2023 09:52:05	2348	10189	9398

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/20/2023 09:38:08	2536	10392	9162
11/17/2023 10:07:38	2699	10664	9285
11/16/2023 09:42:56	2615	11519	10404
11/15/2023 13:01:45	2120	9780	10146
11/15/2023 12:33:52	1814	8334	9391
11/15/2023 12:27:35	1837	8353	9462
11/15/2023 12:17:35	1829	8310	9392
11/15/2023 12:09:42	1631	7760	9062
11/15/2023 10:39:09	1634	7521	8758
11/14/2023 10:25:03	4165	15167	8009
11/13/2023 09:42:07	3445	15971	9795
11/10/2023 09:15:37	3300	14607	7635
11/9/2023 09:55:52	2651	15369	8099
11/8/2023 09:55:56	2862	15545	7990
11/7/2023 10:07:52	2359	13776	7205
11/7/2023 10:01:12	1759	11245	6289
11/7/2023 09:55:11	1931	12236	6442
11/6/2023 10:21:52	3645	16323	7638
11/3/2023 09:44:39	2391	13805	7745
11/2/2023 09:56:11	2999	15000	8628
11/1/2023 09:41:33	3299	14766	7935

Background

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/26/2024 10:42:47	1.150	0.650	4.550
8/23/2024 09:05:16	1.400	1.400	3.650
8/22/2024 08:43:54	1.050	0.850	3.250
8/21/2024 08:04:13	1.200	1.050	4.450
8/20/2024 09:20:37	1.250	1.250	5.250
8/19/2024 10:25:21	1.000	0.500	4.550
8/19/2024 09:17:03	0.900	0.650	3.700
8/16/2024 08:56:38	1.050	1.050	3.450
8/15/2024 08:28:01	1.000	0.600	3.250
8/14/2024 08:24:41	1.150	0.450	4.000
8/13/2024 08:51:41	1.200	0.450	2.850
8/12/2024 09:10:43	0.500	0.500	2.350

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/12/2024 08:57:52	0.950	0.600	2.950
8/9/2024 11:39:50	1.350	0.700	4.500
8/9/2024 10:08:20	0.850	0.600	3.100
8/8/2024 08:40:39	1.200	0.500	5.750
8/7/2024 09:19:16	1.350	0.900	4.300
8/6/2024 11:12:44	1.450	0.800	3.500
8/6/2024 10:53:38	1.600	0.500	3.350
8/5/2024 10:40:17	0.600	0.750	3.150
8/5/2024 10:09:19	1.300	0.750	4.700
8/5/2024 09:55:23	0.800	0.700	5.750
8/2/2024 09:40:16	1.050	0.650	4.450
8/2/2024 08:37:48	1.300	0.700	4.600
8/1/2024 10:38:00	1.050	0.550	5.450
8/1/2024 09:06:45	0.900	0.850	3.750
7/31/2024 08:13:58	1.200	0.650	3.800
7/30/2024 08:50:51	1.100	0.650	2.400
7/29/2024 16:06:05	1.250	0.950	4.850
7/29/2024 12:07:28	1.500	0.750	4.100
7/29/2024 11:14:31	1.200	1.000	3.500
7/29/2024 10:15:21	1.250	0.800	3.900
7/26/2024 08:53:52	0.750	1.200	3.950
7/25/2024 09:09:23	0.750	0.300	2.900
7/24/2024 15:10:09	0.750	0.700	3.650
7/24/2024 08:46:25	1.100	0.650	4.200
7/23/2024 09:32:54	1.250	0.750	3.550
7/22/2024 10:18:30	1.050	0.600	4.200
7/19/2024 08:55:06	1.300	0.650	4.050
7/18/2024 09:06:31	0.700	0.600	2.950
7/17/2024 13:03:52	1.150	0.800	3.850
7/17/2024 08:53:29	1.700	0.550	5.400
7/16/2024 08:54:03	0.900	0.850	4.100
7/15/2024 10:39:29	1.050	0.750	4.650
7/15/2024 10:30:38	1.250	0.750	4.300
7/15/2024 10:13:57	1.250	0.650	4.400
7/15/2024 09:02:48	1.550	0.450	4.300
7/12/2024 08:34:22	1.200	0.850	4.100
7/11/2024 09:57:22	1.550	1.200	5.900
7/10/2024 08:53:17	1.050	0.850	2.900
7/9/2024 11:54:06	1.200	0.750	3.700
7/9/2024 11:32:31	1.000	0.450	3.700
7/9/2024 11:26:38	1.550	0.550	4.350

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
7/9/2024 10:39:16	1.200	1.050	4.700
7/9/2024 09:17:46	1.550	0.800	4.650
7/9/2024 08:57:06	1.250	0.700	3.100
7/8/2024 09:21:55	1.700	0.950	5.050
7/8/2024 09:16:31	1.050	0.750	4.500
7/5/2024 09:03:10	1.200	0.500	3.600
7/3/2024 13:05:52	1.150	1.000	4.000
7/3/2024 11:25:40	1.500	0.850	4.500
7/3/2024 09:13:37	1.000	0.550	4.300
7/3/2024 08:44:49	0.950	0.650	3.500
7/2/2024 10:26:17	0.850	0.650	3.600
7/2/2024 08:58:12	0.900	0.850	3.350
7/1/2024 14:16:19	1.450	0.500	5.050
7/1/2024 10:01:10	1.450	0.850	3.900
6/28/2024 08:25:22	1.100	1.350	4.300
6/27/2024 08:34:14	1.350	0.900	6.000
6/27/2024 08:11:22	0.850	0.700	4.400
6/26/2024 07:54:24	0.650	0.400	2.750
6/25/2024 09:02:17	0.900	0.650	4.200
6/24/2024 09:30:27	1.250	1.100	4.150
6/21/2024 08:55:34	1.150	0.700	6.200
6/21/2024 08:22:44	1.050	0.900	3.250
6/20/2024 09:00:43	1.300	0.700	2.750
6/19/2024 07:51:31	1.500	1.400	4.900
6/18/2024 07:52:20	1.850	1.000	4.300
6/17/2024 08:58:45	1.000	0.450	2.900
6/14/2024 08:44:27	1.200	0.450	4.150
6/13/2024 08:42:30	1.100	0.850	4.800
6/12/2024 09:03:47	1.200	0.400	3.350
6/11/2024 08:44:40	1.650	0.700	3.950
6/10/2024 09:31:51	1.550	0.750	4.350
6/10/2024 09:17:04	1.250	0.450	3.800
6/10/2024 09:10:07	1.400	0.600	3.500
6/7/2024 09:02:38	1.400	0.350	3.300
6/6/2024 15:20:20	1.150	0.400	2.650
6/6/2024 05:03:01	1.500	1.100	4.650
6/6/2024 04:59:28	1.300	0.900	3.750
6/5/2024 08:30:26	1.800	1.350	4.050
6/4/2024 08:52:51	0.650	0.500	3.850
6/4/2024 08:39:35	0.850	0.500	3.450
6/4/2024 08:33:37	0.950	0.800	4.400

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
6/3/2024 10:10:17	1.000	0.500	3.100
6/3/2024 09:51:43	2.050	0.850	4.950
6/3/2024 09:44:54	1.500	0.500	5.150
6/3/2024 09:30:49	1.100	0.350	3.050
5/31/2024 08:42:32	1.350	0.900	5.150
5/30/2024 09:08:46	1.000	0.550	4.300
5/29/2024 09:04:40	1.150	0.750	4.750
5/29/2024 08:48:40	0.700	0.550	2.700
5/29/2024 08:44:08	1.150	0.400	3.600
5/28/2024 09:34:37	1.000	0.450	3.150
5/24/2024 07:20:01	1.250	1.100	4.200
5/23/2024 10:25:13	0.900	0.900	5.100
5/22/2024 09:45:06	1.050	0.750	5.250
5/21/2024 09:06:58	1.400	1.100	5.050
5/21/2024 08:01:17	1.150	0.950	4.950
5/20/2024 17:22:27	0.900	0.750	3.800
5/20/2024 17:18:56	1.050	1.050	3.750
5/20/2024 09:20:56	0.450	0.650	3.250
5/17/2024 09:12:39	1.050	0.700	4.800
5/16/2024 08:56:23	0.900	0.750	3.850
5/15/2024 09:38:13	0.750	0.600	4.050
5/15/2024 09:21:01	0.900	0.250	3.400
5/14/2024 09:41:16	0.900	0.350	3.050
5/14/2024 09:04:40	0.600	0.350	2.100
5/13/2024 09:04:44	0.950	0.900	3.450
5/10/2024 08:57:17	0.900	0.550	5.000
5/9/2024 09:06:46	1.100	0.900	5.050
5/9/2024 08:50:21	1.150	0.700	4.800
5/9/2024 08:44:20	1.000	1.000	5.300
5/8/2024 09:39:10	1.300	0.600	3.200
5/7/2024 17:05:39	1.150	0.700	4.850
5/7/2024 16:48:43	1.050	0.800	3.600
5/7/2024 09:19:24	1.000	0.800	3.750
5/6/2024 09:15:59	0.750	0.750	4.350
5/6/2024 09:03:10	0.850	0.700	4.500
5/3/2024 09:11:06	1.150	0.500	3.350
5/2/2024 09:48:24	0.800	0.800	2.450
5/1/2024 09:22:54	1.300	0.700	5.450
4/30/2024 10:43:56	1.000	1.250	5.000
4/30/2024 08:17:01	1.150	0.950	4.100
4/29/2024 09:10:57	1.550	0.750	5.050

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
4/29/2024 08:57:45	1.550	0.850	5.850
4/26/2024 08:09:31	1.300	0.750	5.850
4/25/2024 09:37:51	1.250	1.000	4.100
4/24/2024 09:17:24	1.600	1.450	5.400
4/23/2024 22:46:11	1.250	1.150	5.750
4/23/2024 09:01:59	0.700	0.550	4.900
4/22/2024 10:16:34	1.000	0.650	4.100
4/19/2024 10:59:00	1.050	1.050	5.250
4/19/2024 10:07:48	2.150	1.700	8.800
4/19/2024 09:10:32	0.600	0.600	1.050
4/18/2024 09:24:23	0.850	0.800	2.900
4/17/2024 17:03:53	1.350	0.800	4.300
4/17/2024 16:22:27	1.150	1.000	4.600
4/17/2024 09:09:54	0.800	0.750	2.300
4/16/2024 09:06:44	1.150	1.300	4.500
4/15/2024 09:14:49	1.200	1.150	5.300
4/12/2024 08:28:21	1.050	0.850	4.250
4/11/2024 08:35:01	0.900	0.700	4.650
4/10/2024 09:48:58	0.550	1.000	3.500
4/9/2024 08:56:49	0.700	0.700	3.500
4/8/2024 09:25:48	0.950	0.800	4.150
4/5/2024 08:28:47	1.450	0.700	5.100
4/4/2024 11:00:01	1.700	0.650	4.750
4/4/2024 10:45:12	1.100	0.750	3.200
4/3/2024 08:29:42	0.950	0.900	5.550
4/2/2024 09:43:44	0.800	0.750	2.500
4/1/2024 09:27:15	1.200	1.300	3.650
3/29/2024 08:53:28	1.250	0.900	3.350
3/28/2024 09:08:20	0.800	0.850	3.950
3/27/2024 16:48:32	1.250	1.100	4.700
3/27/2024 10:07:18	1.650	0.750	3.600
3/27/2024 08:49:30	1.700	0.600	4.200
3/26/2024 10:28:06	1.450	0.550	4.000
3/25/2024 10:10:30	1.150	0.650	4.800
3/22/2024 09:00:45	0.750	0.750	4.000
3/21/2024 08:44:31	0.900	0.450	4.000
3/20/2024 09:03:42	1.350	0.650	2.950
3/19/2024 13:23:15	1.250	0.750	3.650
3/19/2024 09:31:32	0.950	0.500	3.450
3/18/2024 10:47:35	1.150	0.550	3.550
3/15/2024 09:19:25	1.700	1.000	5.050

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
3/14/2024 09:13:05	1.100	0.750	4.050
3/13/2024 09:22:30	1.700	0.850	3.850
3/12/2024 09:10:39	0.850	0.700	3.750
3/11/2024 11:07:32	1.650	0.850	4.300
3/11/2024 09:31:05	1.450	0.850	4.850
3/11/2024 09:27:33	1.950	0.500	4.700
3/8/2024 08:29:13	1.800	0.650	4.350
3/7/2024 17:46:09	1.250	1.050	4.550
3/7/2024 13:19:13	0.950	0.650	4.750
3/7/2024 09:28:32	2.150	1.000	4.900
3/7/2024 09:11:32	1.200	0.600	3.500
3/7/2024 09:01:08	1.250	0.700	4.350
3/6/2024 10:19:40	1.600	0.500	4.550
3/5/2024 10:15:16	45.151	868.764	0.250
3/5/2024 10:09:01	0.450	0.100	0.150
3/4/2024 11:41:00	1.650	1.000	4.400
3/4/2024 11:28:21	1.900	1.700	7.550
3/1/2024 08:43:28	1.850	1.100	5.400
2/29/2024 10:38:23	1.350	0.800	4.500
2/29/2024 10:00:25	0.850	0.450	1.150
2/29/2024 09:54:15	0.900	0.350	1.300
2/28/2024 09:32:01	1.250	0.700	3.350
2/27/2024 09:16:47	1.000	0.700	3.200
2/26/2024 10:30:35	1.750	0.700	5.350
2/26/2024 10:00:21	2.150	0.700	5.850
2/23/2024 09:07:38	1.300	0.550	3.600
2/22/2024 08:58:48	1.150	0.850	4.300
2/21/2024 09:51:13	1.000	0.650	3.750
2/20/2024 09:59:52	1.100	1.250	3.900
2/19/2024 11:30:32	1.150	0.400	3.700
2/19/2024 11:27:00	1.800	0.500	3.150
2/19/2024 10:16:07	1.100	0.750	4.100
2/16/2024 10:28:26	1.650	0.950	5.150
2/15/2024 09:20:58	1.850	0.850	5.350
2/14/2024 09:20:12	2.050	1.150	5.600
2/13/2024 10:44:41	1.700	1.150	5.800
2/13/2024 10:29:18	1.550	0.800	2.700
2/12/2024 11:24:46	1.300	0.400	3.900
2/12/2024 11:09:08	0.150	0.150	0.350
2/12/2024 10:33:45	0.450	2.300	0.100
2/12/2024 10:19:52	1.550	0.400	1.250

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
2/12/2024 10:03:02	0.150	0.050	0.200
2/9/2024 09:43:26	1.600	0.400	3.200
2/8/2024 09:41:08	1.600	0.800	3.200
2/7/2024 09:08:34	1.200	0.550	3.550
2/6/2024 10:08:14	1.650	1.550	4.100
2/5/2024 16:27:35	1.100	0.550	3.400
2/2/2024 09:52:22	1.250	0.600	5.350
2/1/2024 09:29:20	1.000	0.550	5.000
1/31/2024 11:01:25	1.300	0.650	4.650
1/31/2024 10:56:52	1.200	0.800	5.700
1/30/2024 09:04:33	0.900	0.650	5.400
1/29/2024 09:09:33	1.100	0.650	4.000
1/26/2024 10:08:59	1.450	1.050	5.000
1/25/2024 09:54:25	1.350	0.850	3.950
1/24/2024 08:52:40	1.300	0.900	3.900
1/23/2024 11:08:41	1.000	0.900	3.450
1/22/2024 09:17:23	1.300	0.800	5.500
1/22/2024 09:06:26	1.750	0.650	4.050
1/19/2024 09:01:45	1.750	1.000	4.000
1/18/2024 10:29:20	1.250	0.650	3.600
1/17/2024 08:52:45	1.550	0.650	4.250
1/16/2024 14:09:54	1.450	0.650	4.150
1/16/2024 13:58:35	1.450	0.800	3.350
1/16/2024 13:45:11	1.050	0.600	3.600
1/15/2024 13:03:28	0.750	0.200	0.700
1/15/2024 10:46:25	0.800	0.100	0.400
1/15/2024 10:34:05	0.800	0.100	0.750
1/15/2024 10:25:28	1.350	0.150	0.800
1/15/2024 09:48:32	0.950	0.250	0.450
1/15/2024 09:32:45	1.050	0.350	0.600
1/11/2024 14:10:39	0.900	0.150	0.200
1/11/2024 14:00:32	0.700	0.050	0.250
1/11/2024 13:07:14	0.600	0.150	0.250
1/11/2024 12:18:32	0.550	0.050	0.400
1/11/2024 10:36:51	0.450	0.100	0.250
1/11/2024 10:28:26	0.550	0.050	0.200
1/11/2024 09:11:58	0.300	0.150	0.500
1/11/2024 09:02:27	0.700	0.200	0.500
1/11/2024 08:54:00	0.450	0.100	0.600
1/10/2024 09:10:40	1.400	1.000	4.400
1/9/2024 12:58:05	2.000	0.800	4.900

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/9/2024 12:49:35	1.200	0.450	1.750
1/9/2024 12:37:33	0.000	0.050	0.200
1/9/2024 12:22:55	0.050	0.050	0.000
1/9/2024 12:00:03	0.000	0.050	0.100
1/9/2024 11:54:42	0.000	0.000	0.050
1/9/2024 11:45:17	0.100	0.000	0.050
1/9/2024 11:40:53	0.050	0.000	0.050
1/9/2024 11:25:08	0.450	0.050	0.200
1/9/2024 11:20:04	0.250	0.100	0.200
1/8/2024 13:49:37	0.950	0.550	2.650
1/8/2024 12:34:48	0.350	0.150	0.600
1/8/2024 12:30:18	0.250	0.300	0.450
1/5/2024 09:35:49	1.250	0.450	3.900
1/4/2024 09:13:21	1.100	0.750	4.350
1/4/2024 09:00:57	1.400	0.450	2.950
1/3/2024 08:46:17	1.250	0.600	3.200
1/2/2024 11:16:48	1.350	0.300	2.800
1/2/2024 10:38:17	1.250	0.800	2.900
12/29/2023 10:12:49	0.850	0.500	3.100
12/28/2023 08:59:35	1.000	0.800	3.550
12/27/2023 12:20:02	1.000	0.600	3.150
12/27/2023 11:34:32	0.800	0.650	3.450
12/27/2023 10:51:04	1.000	0.800	3.000
12/27/2023 10:41:08	1.200	0.400	3.400
12/27/2023 10:33:50	1.500	0.650	3.500
12/27/2023 10:28:28	0.950	0.600	3.300
12/22/2023 07:49:52	0.850	0.450	2.400
12/21/2023 08:44:43	1.050	0.450	2.150
12/20/2023 09:26:41	0.600	0.350	3.500
12/19/2023 09:55:37	1.150	0.550	2.600
12/18/2023 10:16:18	0.700	0.400	2.100
12/18/2023 10:06:38	0.900	0.150	2.400
12/18/2023 10:00:26	1.150	0.200	2.950
12/15/2023 09:45:55	1.000	0.800	3.050
12/14/2023 10:23:15	0.350	0.850	2.950
12/13/2023 10:17:40	0.650	0.250	2.800
12/12/2023 09:56:00	0.950	0.600	2.700
12/11/2023 10:31:48	1.350	0.200	2.550
12/8/2023 10:10:39	0.950	0.600	3.250
12/7/2023 09:51:50	0.850	0.300	2.550
12/6/2023 10:12:37	1.050	0.750	3.550

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/5/2023 10:02:14	0.600	0.450	1.750
12/4/2023 12:08:53	0.600	0.300	2.500
12/4/2023 11:24:17	0.350	0.200	1.300
12/4/2023 11:20:06	0.500	0.250	0.850
12/4/2023 11:16:06	0.150	0.500	1.150
12/4/2023 10:23:39	0.300	0.150	1.400
12/4/2023 10:16:55	0.300	0.350	0.950
12/4/2023 10:09:27	0.400	0.300	1.100
12/1/2023 09:45:19	0.550	0.500	1.500
11/30/2023 11:48:17	0.450	0.350	1.950
11/30/2023 11:13:01	0.450	0.100	1.200
11/30/2023 11:05:44	0.500	0.050	1.150
11/30/2023 10:33:46	0.150	0.200	0.700
11/29/2023 10:04:26	0.850	0.450	2.200
11/29/2023 09:51:22	0.750	0.300	2.400
11/28/2023 12:50:37	1.000	0.550	2.650
11/28/2023 12:18:55	0.800	0.700	3.500
11/28/2023 12:15:04	0.500	0.450	3.050
11/28/2023 11:49:24	0.900	0.450	3.200
11/28/2023 10:22:53	0.650	0.350	1.800
11/28/2023 10:19:03	0.550	0.400	1.950
11/28/2023 10:15:20	0.200	0.200	1.650
11/28/2023 09:59:37	0.250	0.200	1.500
11/27/2023 10:28:48	0.300	0.200	1.850
11/27/2023 10:07:16	0.300	0.100	1.500
11/27/2023 10:01:25	0.500	0.150	1.150
11/27/2023 09:52:06	0.500	0.150	1.250
11/22/2023 09:50:47	0.500	0.300	1.700
11/21/2023 09:52:05	0.650	0.250	1.200
11/20/2023 09:38:08	0.200	0.350	1.450
11/17/2023 10:07:38	0.250	0.100	2.450
11/16/2023 09:42:56	0.350	0.350	2.750
11/15/2023 13:01:45	0.550	0.100	1.700
11/15/2023 12:33:52	0.350	0.250	0.900
11/15/2023 12:27:35	0.150	0.250	1.300
11/15/2023 12:17:35	0.400	0.200	0.900
11/15/2023 12:09:42	0.450	0.150	1.350
11/15/2023 10:39:09	0.200	0.100	1.150
11/14/2023 10:25:03	1.600	0.750	4.550
11/13/2023 09:42:07	1.000	0.350	3.300
11/10/2023 09:15:37	0.950	0.650	3.000

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/9/2023 09:55:52	0.850	0.450	2.800
11/8/2023 09:55:56	1.100	0.450	3.550
11/7/2023 10:07:52	1.150	0.800	3.850
11/7/2023 10:01:12	0.750	0.350	2.550
11/7/2023 09:55:11	1.000	0.350	3.150
11/6/2023 10:21:52	1.450	0.800	3.700
11/3/2023 09:44:39	1.250	0.600	4.000
11/2/2023 09:56:11	1.350	0.500	3.200
11/1/2023 09:41:33	1.550	0.700	4.000

Tune Parameters

Created Date	Extract 1	Extract 2	Omega Bias
8/26/2024 10:42:47	0.0 V	-185.0 V	-100 V
8/23/2024 09:05:16	0.0 V	-140.0 V	-70 V
8/22/2024 08:43:54	0.0 V	-160.0 V	-70 V
8/21/2024 08:04:13	0.0 V	-200.0 V	-80 V
8/20/2024 09:20:37	0.0 V	-190.0 V	-100 V
8/19/2024 10:25:21	0.0 V	-185.0 V	-80 V
8/19/2024 09:17:03	0.0 V	-165.0 V	-80 V
8/16/2024 08:56:38	0.0 V	-180.0 V	-80 V
8/15/2024 08:28:01	0.0 V	-165.0 V	-80 V
8/14/2024 08:24:41	0.0 V	-175.0 V	-80 V
8/13/2024 08:51:41	0.0 V	-185.0 V	-80 V
8/12/2024 09:10:43	0.0 V	-160.0 V	-80 V
8/12/2024 08:57:52	0.0 V	-180.0 V	-80 V
8/9/2024 11:39:50	0.0 V	-195.0 V	-90 V
8/9/2024 10:08:20	0.0 V	-195.0 V	-90 V
8/8/2024 08:40:39	0.0 V	-195.0 V	-90 V
8/7/2024 09:19:16	0.0 V	-195.0 V	-90 V
8/6/2024 11:12:44	0.0 V	-200.0 V	-80 V
8/6/2024 10:53:38	0.0 V	-200.0 V	-80 V
8/5/2024 10:40:17	0.0 V	-200.0 V	-80 V
8/5/2024 10:09:19	0.0 V	-200.0 V	-90 V
8/5/2024 09:55:23	0.0 V	-195.0 V	-90 V
8/2/2024 09:40:16	0.0 V	-190.0 V	-90 V
8/2/2024 08:37:48	0.0 V	-190.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
8/1/2024 10:38:00	0.0 V	-180.0 V	-90 V
8/1/2024 09:06:45	0.0 V	-175.0 V	-90 V
7/31/2024 08:13:58	0.0 V	-185.0 V	-90 V
7/30/2024 08:50:51	0.0 V	-180.0 V	-90 V
7/29/2024 16:06:05	0.0 V	-190.0 V	-90 V
7/29/2024 12:07:28	0.0 V	-195.0 V	-90 V
7/29/2024 11:14:31	0.0 V	-195.0 V	-100 V
7/29/2024 10:15:21	0.0 V	-180.0 V	-90 V
7/26/2024 08:53:52	0.0 V	-190.0 V	-90 V
7/25/2024 09:09:23	0.0 V	-165.0 V	-90 V
7/24/2024 15:10:09	0.0 V	-185.0 V	-90 V
7/24/2024 08:46:25	0.0 V	-180.0 V	-90 V
7/23/2024 09:32:54	0.0 V	-180.0 V	-90 V
7/22/2024 10:18:30	0.0 V	-185.0 V	-90 V
7/19/2024 08:55:06	0.0 V	-190.0 V	-90 V
7/18/2024 09:06:31	0.0 V	-175.0 V	-90 V
7/17/2024 13:03:52	0.0 V	-185.0 V	-90 V
7/17/2024 08:53:29	0.0 V	-185.0 V	-90 V
7/16/2024 08:54:03	0.0 V	-190.0 V	-90 V
7/15/2024 10:39:29	0.0 V	-195.0 V	-90 V
7/15/2024 10:30:38	0.0 V	-180.0 V	-90 V
7/15/2024 10:13:57	0.0 V	-180.0 V	-90 V
7/15/2024 09:02:48	0.0 V	-185.0 V	-90 V
7/12/2024 08:34:22	0.0 V	-175.0 V	-90 V
7/11/2024 09:57:22	0.0 V	-180.0 V	-80 V
7/10/2024 08:53:17	0.0 V	-150.0 V	-70 V
7/9/2024 11:54:06	0.0 V	-155.0 V	-70 V
7/9/2024 11:32:31	0.0 V	-155.0 V	-70 V
7/9/2024 11:26:38	0.0 V	-155.0 V	-70 V
7/9/2024 10:39:16	0.0 V	-155.0 V	-70 V
7/9/2024 09:17:46	0.0 V	-155.0 V	-70 V
7/9/2024 08:57:06	0.0 V	-140.0 V	-70 V
7/8/2024 09:21:55	0.0 V	-165.0 V	-80 V
7/8/2024 09:16:31	0.0 V	-160.0 V	-80 V
7/5/2024 09:03:10	0.0 V	-200.0 V	-90 V
7/3/2024 13:05:52	0.0 V	-195.0 V	-100 V
7/3/2024 11:25:40	0.0 V	-195.0 V	-90 V
7/3/2024 09:13:37	0.0 V	-195.0 V	-90 V
7/3/2024 08:44:49	0.0 V	-170.0 V	-90 V
7/2/2024 10:26:17	0.0 V	-170.0 V	-90 V
7/2/2024 08:58:12	0.0 V	-170.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
7/1/2024 14:16:19	0.0 V	-190.0 V	-90 V
7/1/2024 10:01:10	0.0 V	-195.0 V	-90 V
6/28/2024 08:25:22	0.0 V	-195.0 V	-90 V
6/27/2024 08:34:14	0.0 V	-195.0 V	-90 V
6/27/2024 08:11:22	0.0 V	-175.0 V	-90 V
6/26/2024 07:54:24	0.0 V	-175.0 V	-90 V
6/25/2024 09:02:17	0.0 V	-190.0 V	-90 V
6/24/2024 09:30:27	0.0 V	-190.0 V	-90 V
6/21/2024 08:55:34	0.0 V	-200.0 V	-90 V
6/21/2024 08:22:44	0.0 V	-170.0 V	-90 V
6/20/2024 09:00:43	0.0 V	-170.0 V	-90 V
6/19/2024 07:51:31	0.0 V	-175.0 V	-90 V
6/18/2024 07:52:20	0.0 V	-175.0 V	-90 V
6/17/2024 08:58:45	0.0 V	-175.0 V	-90 V
6/14/2024 08:44:27	0.0 V	-195.0 V	-90 V
6/13/2024 08:42:30	0.0 V	-200.0 V	-100 V
6/12/2024 09:03:47	0.0 V	-200.0 V	-100 V
6/11/2024 08:44:40	0.0 V	-185.0 V	-100 V
6/10/2024 09:31:51	0.0 V	-170.0 V	-90 V
6/10/2024 09:17:04	0.0 V	-165.0 V	-90 V
6/10/2024 09:10:07	0.0 V	-165.0 V	-90 V
6/7/2024 09:02:38	0.0 V	-165.0 V	-90 V
6/6/2024 15:20:20	0.0 V	-165.0 V	-90 V
6/6/2024 05:03:01	0.0 V	-190.0 V	-90 V
6/6/2024 04:59:28	0.0 V	-190.0 V	-90 V
6/5/2024 08:30:26	0.0 V	-190.0 V	-90 V
6/4/2024 08:52:51	0.0 V	-200.0 V	-90 V
6/4/2024 08:39:35	0.0 V	-200.0 V	-100 V
6/4/2024 08:33:37	0.0 V	-200.0 V	-100 V
6/3/2024 10:10:17	0.0 V	-200.0 V	-100 V
6/3/2024 09:51:43	0.0 V	-175.0 V	-100 V
6/3/2024 09:44:54	0.0 V	-175.0 V	-100 V
6/3/2024 09:30:49	0.0 V	-175.0 V	-100 V
5/31/2024 08:42:32	0.0 V	-200.0 V	-100 V
5/30/2024 09:08:46	0.0 V	-200.0 V	-100 V
5/29/2024 09:04:40	0.0 V	-200.0 V	-100 V
5/29/2024 08:48:40	0.0 V	-170.0 V	-80 V
5/29/2024 08:44:08	0.0 V	-170.0 V	-80 V
5/28/2024 09:34:37	0.0 V	-170.0 V	-80 V
5/24/2024 07:20:01	0.0 V	-200.0 V	-90 V
5/23/2024 10:25:13	0.0 V	-200.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
5/22/2024 09:45:06	0.0 V	-200.0 V	-90 V
5/21/2024 09:06:58	0.0 V	-200.0 V	-90 V
5/21/2024 08:01:17	0.0 V	-200.0 V	-100 V
5/20/2024 17:22:27	0.0 V	-200.0 V	-100 V
5/20/2024 17:18:56	0.0 V	-200.0 V	-100 V
5/20/2024 09:20:56	0.0 V	-200.0 V	-100 V
5/17/2024 09:12:39	0.0 V	-200.0 V	-100 V
5/16/2024 08:56:23	0.0 V	-200.0 V	-100 V
5/15/2024 09:38:13	0.0 V	-200.0 V	-100 V
5/15/2024 09:21:01	0.0 V	-190.0 V	-90 V
5/14/2024 09:41:16	0.0 V	-190.0 V	-90 V
5/14/2024 09:04:40	0.0 V	-190.0 V	-90 V
5/13/2024 09:04:44	0.0 V	-190.0 V	-90 V
5/10/2024 08:57:17	0.0 V	-190.0 V	-90 V
5/9/2024 09:06:46	0.0 V	-190.0 V	-90 V
5/9/2024 08:50:21	0.0 V	-190.0 V	-90 V
5/9/2024 08:44:20	0.0 V	-190.0 V	-90 V
5/8/2024 09:39:10	0.0 V	-190.0 V	-90 V
5/7/2024 17:05:39	0.0 V	-195.0 V	-100 V
5/7/2024 16:48:43	0.0 V	-195.0 V	-100 V
5/7/2024 09:19:24	0.0 V	-195.0 V	-100 V
5/6/2024 09:15:59	0.0 V	-195.0 V	-100 V
5/6/2024 09:03:10	0.0 V	-195.0 V	-100 V
5/3/2024 09:11:06	0.0 V	-195.0 V	-100 V
5/2/2024 09:48:24	0.0 V	-190.0 V	-100 V
5/1/2024 09:22:54	0.0 V	-185.0 V	-100 V
4/30/2024 10:43:56	0.0 V	-185.0 V	-100 V
4/30/2024 08:17:01	0.0 V	-185.0 V	-100 V
4/29/2024 09:10:57	0.0 V	-185.0 V	-100 V
4/29/2024 08:57:45	0.0 V	-185.0 V	-100 V
4/26/2024 08:09:31	0.0 V	-185.0 V	-100 V
4/25/2024 09:37:51	0.0 V	-185.0 V	-100 V
4/24/2024 09:17:24	0.0 V	-195.0 V	-100 V
4/23/2024 22:46:11	0.0 V	-195.0 V	-100 V
4/23/2024 09:01:59	0.0 V	-195.0 V	-100 V
4/22/2024 10:16:34	0.0 V	-195.0 V	-100 V
4/19/2024 10:59:00	0.0 V	-200.0 V	-100 V
4/19/2024 10:07:48	0.0 V	-200.0 V	-110 V
4/19/2024 09:10:32	0.0 V	-180.0 V	-100 V
4/18/2024 09:24:23	0.0 V	-180.0 V	-100 V
4/17/2024 17:03:53	0.0 V	-180.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
4/17/2024 16:22:27	0.0 V	-180.0 V	-100 V
4/17/2024 09:09:54	0.0 V	-180.0 V	-100 V
4/16/2024 09:06:44	0.0 V	-200.0 V	-100 V
4/15/2024 09:14:49	0.0 V	-200.0 V	-100 V
4/12/2024 08:28:21	0.0 V	-200.0 V	-100 V
4/11/2024 08:35:01	0.0 V	-200.0 V	-100 V
4/10/2024 09:48:58	0.0 V	-195.0 V	-100 V
4/9/2024 08:56:49	0.0 V	-195.0 V	-100 V
4/8/2024 09:25:48	0.0 V	-195.0 V	-100 V
4/5/2024 08:28:47	0.0 V	-195.0 V	-100 V
4/4/2024 11:00:01	0.0 V	-190.0 V	-90 V
4/4/2024 10:45:12	0.0 V	-200.0 V	-90 V
4/3/2024 08:29:42	0.0 V	-200.0 V	-90 V
4/2/2024 09:43:44	0.0 V	-195.0 V	-90 V
4/1/2024 09:27:15	0.0 V	-195.0 V	-90 V
3/29/2024 08:53:28	0.0 V	-195.0 V	-90 V
3/28/2024 09:08:20	0.0 V	-195.0 V	-90 V
3/27/2024 16:48:32	0.0 V	-195.0 V	-90 V
3/27/2024 10:07:18	0.0 V	-195.0 V	-90 V
3/27/2024 08:49:30	0.0 V	-195.0 V	-90 V
3/26/2024 10:28:06	0.0 V	-195.0 V	-90 V
3/25/2024 10:10:30	0.0 V	-200.0 V	-100 V
3/22/2024 09:00:45	0.0 V	-190.0 V	-100 V
3/21/2024 08:44:31	0.0 V	-190.0 V	-100 V
3/20/2024 09:03:42	0.0 V	-190.0 V	-100 V
3/19/2024 13:23:15	0.0 V	-190.0 V	-100 V
3/19/2024 09:31:32	0.0 V	-190.0 V	-100 V
3/18/2024 10:47:35	0.0 V	-190.0 V	-100 V
3/15/2024 09:19:25	0.0 V	-200.0 V	-90 V
3/14/2024 09:13:05	0.0 V	-200.0 V	-90 V
3/13/2024 09:22:30	0.0 V	-200.0 V	-90 V
3/12/2024 09:10:39	0.0 V	-200.0 V	-90 V
3/11/2024 11:07:32	0.0 V	-200.0 V	-90 V
3/11/2024 09:31:05	0.0 V	-195.0 V	-100 V
3/11/2024 09:27:33	0.0 V	-195.0 V	-100 V
3/8/2024 08:29:13	0.0 V	-200.0 V	-100 V
3/7/2024 17:46:09	0.0 V	-200.0 V	-100 V
3/7/2024 13:19:13	0.0 V	-200.0 V	-100 V
3/7/2024 09:28:32	0.0 V	-200.0 V	-100 V
3/7/2024 09:11:32	0.0 V	-200.0 V	-100 V
3/7/2024 09:01:08	0.0 V	-200.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
3/6/2024 10:19:40	0.0 V	-200.0 V	-100 V
3/5/2024 10:15:16	0.0 V	-200.0 V	-100 V
3/5/2024 10:09:01	0.0 V	-200.0 V	-100 V
3/4/2024 11:41:00	0.0 V	-200.0 V	-100 V
3/4/2024 11:28:21	0.0 V	-200.0 V	-100 V
3/1/2024 08:43:28	0.0 V	-200.0 V	-120 V
2/29/2024 10:38:23	0.0 V	-200.0 V	-120 V
2/29/2024 10:00:25	0.0 V	-160.0 V	-110 V
2/29/2024 09:54:15	0.0 V	-160.0 V	-110 V
2/28/2024 09:32:01	0.0 V	-200.0 V	-100 V
2/27/2024 09:16:47	0.0 V	-200.0 V	-100 V
2/26/2024 10:30:35	0.0 V	-200.0 V	-100 V
2/26/2024 10:00:21	0.0 V	-200.0 V	-110 V
2/23/2024 09:07:38	0.0 V	-200.0 V	-110 V
2/22/2024 08:58:48	0.0 V	-200.0 V	-110 V
2/21/2024 09:51:13	0.0 V	-200.0 V	-110 V
2/20/2024 09:59:52	0.0 V	-200.0 V	-110 V
2/19/2024 11:30:32	0.0 V	-200.0 V	-110 V
2/19/2024 11:27:00	0.0 V	-200.0 V	-110 V
2/19/2024 10:16:07	0.0 V	-200.0 V	-120 V
2/16/2024 10:28:26	0.0 V	-200.0 V	-120 V
2/15/2024 09:20:58	0.0 V	-200.0 V	-120 V
2/14/2024 09:20:12	0.0 V	-200.0 V	-120 V
2/13/2024 10:44:41	0.0 V	-200.0 V	-120 V
2/13/2024 10:29:18	0.0 V	-200.0 V	-120 V
2/12/2024 11:24:46	0.0 V	-200.0 V	-120 V
2/12/2024 11:09:08	0.0 V	-175.0 V	-120 V
2/12/2024 10:33:45	0.0 V	-175.0 V	-120 V
2/12/2024 10:19:52	0.0 V	-175.0 V	-120 V
2/12/2024 10:03:02	0.0 V	-200.0 V	-100 V
2/9/2024 09:43:26	0.0 V	-200.0 V	-100 V
2/8/2024 09:41:08	0.0 V	-200.0 V	-100 V
2/7/2024 09:08:34	0.0 V	-200.0 V	-100 V
2/6/2024 10:08:14	0.0 V	-200.0 V	-100 V
2/5/2024 16:27:35	0.0 V	-200.0 V	-120 V
2/2/2024 09:52:22	0.0 V	-200.0 V	-90 V
2/1/2024 09:29:20	0.0 V	-200.0 V	-90 V
1/31/2024 11:01:25	0.0 V	-200.0 V	-90 V
1/31/2024 10:56:52	0.0 V	-200.0 V	-90 V
1/30/2024 09:04:33	0.0 V	-200.0 V	-90 V
1/29/2024 09:09:33	0.0 V	-200.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
1/26/2024 10:08:59	0.0 V	-200.0 V	-90 V
1/25/2024 09:54:25	0.0 V	-200.0 V	-90 V
1/24/2024 08:52:40	0.0 V	-200.0 V	-90 V
1/23/2024 11:08:41	0.0 V	-200.0 V	-90 V
1/22/2024 09:17:23	0.0 V	-200.0 V	-90 V
1/22/2024 09:06:26	0.0 V	-200.0 V	-100 V
1/19/2024 09:01:45	0.0 V	-200.0 V	-100 V
1/18/2024 10:29:20	0.0 V	-200.0 V	-100 V
1/17/2024 08:52:45	0.0 V	-200.0 V	-100 V
1/16/2024 14:09:54	0.0 V	-200.0 V	-100 V
1/16/2024 13:58:35	0.0 V	-200.0 V	-100 V
1/16/2024 13:45:11	0.0 V	-200.0 V	-100 V
1/15/2024 13:03:28	0.0 V	-200.0 V	-120 V
1/15/2024 10:46:25	0.0 V	-200.0 V	-120 V
1/15/2024 10:34:05	0.0 V	-200.0 V	-120 V
1/15/2024 10:25:28	0.0 V	-200.0 V	-120 V
1/15/2024 09:48:32	0.0 V	-200.0 V	-120 V
1/15/2024 09:32:45	0.0 V	-200.0 V	-120 V
1/11/2024 14:10:39	0.0 V	-200.0 V	-120 V
1/11/2024 14:00:32	0.0 V	-200.0 V	-120 V
1/11/2024 13:07:14	0.0 V	-200.0 V	-120 V
1/11/2024 12:18:32	0.0 V	-200.0 V	-120 V
1/11/2024 10:36:51	0.0 V	-200.0 V	-120 V
1/11/2024 10:28:26	0.0 V	-185.0 V	-110 V
1/11/2024 09:11:58	0.0 V	-155.0 V	-100 V
1/11/2024 09:02:27	0.0 V	-150.0 V	-80 V
1/11/2024 08:54:00	0.0 V	-150.0 V	-80 V
1/10/2024 09:10:40	0.0 V	-200.0 V	-90 V
1/9/2024 12:58:05	0.0 V	-200.0 V	-120 V
1/9/2024 12:49:35	0.0 V	-200.0 V	-120 V
1/9/2024 12:37:33	0.0 V	-165.0 V	-100 V
1/9/2024 12:22:55	0.0 V	-165.0 V	-100 V
1/9/2024 12:00:03	0.0 V	-165.0 V	-100 V
1/9/2024 11:54:42	0.0 V	-165.0 V	-100 V
1/9/2024 11:45:17	0.0 V	-165.0 V	-100 V
1/9/2024 11:40:53	0.0 V	-165.0 V	-100 V
1/9/2024 11:25:08	0.0 V	-165.0 V	-100 V
1/9/2024 11:20:04	0.0 V	-165.0 V	-100 V
1/8/2024 13:49:37	0.0 V	-200.0 V	-100 V
1/8/2024 12:34:48	0.0 V	-140.0 V	-80 V
1/8/2024 12:30:18	0.0 V	-140.0 V	-80 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
1/5/2024 09:35:49	0.0 V	-180.0 V	-80 V
1/4/2024 09:13:21	0.0 V	-170.0 V	-80 V
1/4/2024 09:00:57	0.0 V	-160.0 V	-80 V
1/3/2024 08:46:17	0.0 V	-200.0 V	-100 V
1/2/2024 11:16:48	0.0 V	-200.0 V	-90 V
1/2/2024 10:38:17	0.0 V	-200.0 V	-100 V
12/29/2023 10:12:49	0.0 V	-200.0 V	-100 V
12/28/2023 08:59:35	0.0 V	-200.0 V	-90 V
12/27/2023 12:20:02	0.0 V	-200.0 V	-90 V
12/27/2023 11:34:32	0.0 V	-200.0 V	-90 V
12/27/2023 10:51:04	0.0 V	-200.0 V	-90 V
12/27/2023 10:41:08	0.0 V	-200.0 V	-90 V
12/27/2023 10:33:50	0.0 V	-200.0 V	-90 V
12/27/2023 10:28:28	0.0 V	-200.0 V	-90 V
12/22/2023 07:49:52	0.0 V	-195.0 V	-90 V
12/21/2023 08:44:43	0.0 V	-200.0 V	-90 V
12/20/2023 09:26:41	0.0 V	-200.0 V	-100 V
12/19/2023 09:55:37	0.0 V	-200.0 V	-100 V
12/18/2023 10:16:18	0.0 V	-200.0 V	-100 V
12/18/2023 10:06:38	0.0 V	-185.0 V	-90 V
12/18/2023 10:00:26	0.0 V	-185.0 V	-90 V
12/15/2023 09:45:55	0.0 V	-200.0 V	-90 V
12/14/2023 10:23:15	0.0 V	-200.0 V	-90 V
12/13/2023 10:17:40	0.0 V	-200.0 V	-90 V
12/12/2023 09:56:00	0.0 V	-200.0 V	-90 V
12/11/2023 10:31:48	0.0 V	-200.0 V	-90 V
12/8/2023 10:10:39	0.0 V	-200.0 V	-100 V
12/7/2023 09:51:50	0.0 V	-190.0 V	-80 V
12/6/2023 10:12:37	0.0 V	-200.0 V	-100 V
12/5/2023 10:02:14	0.0 V	-200.0 V	-80 V
12/4/2023 12:08:53	0.0 V	-180.0 V	-90 V
12/4/2023 11:24:17	0.0 V	-145.0 V	-70 V
12/4/2023 11:20:06	0.0 V	-145.0 V	-70 V
12/4/2023 11:16:06	0.0 V	-145.0 V	-70 V
12/4/2023 10:23:39	0.0 V	-145.0 V	-70 V
12/4/2023 10:16:55	0.0 V	-170.0 V	-90 V
12/4/2023 10:09:27	0.0 V	-145.0 V	-70 V
12/1/2023 09:45:19	0.0 V	-155.0 V	-80 V
11/30/2023 11:48:17	0.0 V	-155.0 V	-80 V
11/30/2023 11:13:01	0.0 V	-150.0 V	-80 V
11/30/2023 11:05:44	0.0 V	-160.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
11/30/2023 10:33:46	0.0 V	-170.0 V	-90 V
11/29/2023 10:04:26	0.0 V	-195.0 V	-100 V
11/29/2023 09:51:22	0.0 V	-190.0 V	-80 V
11/28/2023 12:50:37	0.0 V	-200.0 V	-80 V
11/28/2023 12:18:55	0.0 V	-175.0 V	-80 V
11/28/2023 12:15:04	0.0 V	-175.0 V	-80 V
11/28/2023 11:49:24	0.0 V	-170.0 V	-80 V
11/28/2023 10:22:53	0.0 V	-165.0 V	-80 V
11/28/2023 10:19:03	0.0 V	-165.0 V	-80 V
11/28/2023 10:15:20	0.0 V	-165.0 V	-80 V
11/28/2023 09:59:37	0.0 V	-170.0 V	-70 V
11/27/2023 10:28:48	0.0 V	-165.0 V	-80 V
11/27/2023 10:07:16	0.0 V	-185.0 V	-100 V
11/27/2023 10:01:25	0.0 V	-185.0 V	-100 V
11/27/2023 09:52:06	0.0 V	-185.0 V	-100 V
11/22/2023 09:50:47	0.0 V	-155.0 V	-80 V
11/21/2023 09:52:05	0.0 V	-155.0 V	-80 V
11/20/2023 09:38:08	0.0 V	-150.0 V	-80 V
11/17/2023 10:07:38	0.0 V	-175.0 V	-90 V
11/16/2023 09:42:56	0.0 V	-180.0 V	-90 V
11/15/2023 13:01:45	0.0 V	-170.0 V	-90 V
11/15/2023 12:33:52	0.0 V	-175.0 V	-90 V
11/15/2023 12:27:35	0.0 V	-175.0 V	-90 V
11/15/2023 12:17:35	0.0 V	-175.0 V	-90 V
11/15/2023 12:09:42	0.0 V	-170.0 V	-90 V
11/15/2023 10:39:09	0.0 V	-175.0 V	-90 V
11/14/2023 10:25:03	0.0 V	-200.0 V	-90 V
11/13/2023 09:42:07	0.0 V	-200.0 V	-90 V
11/10/2023 09:15:37	0.0 V	-200.0 V	-90 V
11/9/2023 09:55:52	0.0 V	-200.0 V	-90 V
11/8/2023 09:55:56	0.0 V	-200.0 V	-100 V
11/7/2023 10:07:52	0.0 V	-200.0 V	-120 V
11/7/2023 10:01:12	0.0 V	-195.0 V	-90 V
11/7/2023 09:55:11	0.0 V	-195.0 V	-90 V
11/6/2023 10:21:52	0.0 V	-200.0 V	-100 V
11/3/2023 09:44:39	0.0 V	-200.0 V	-120 V
11/2/2023 09:56:11	0.0 V	-200.0 V	-90 V
11/1/2023 09:41:33	0.0 V	-195.0 V	-90 V

US EPA Tune Check Report

Operator Name	ICPMS
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\240827ME.b
Acq. Date-Time	8/27/2024 09:10:54
Report Comment	---
Instrument Name	G8422A SG22151236

[No Gas]

Sensitivity

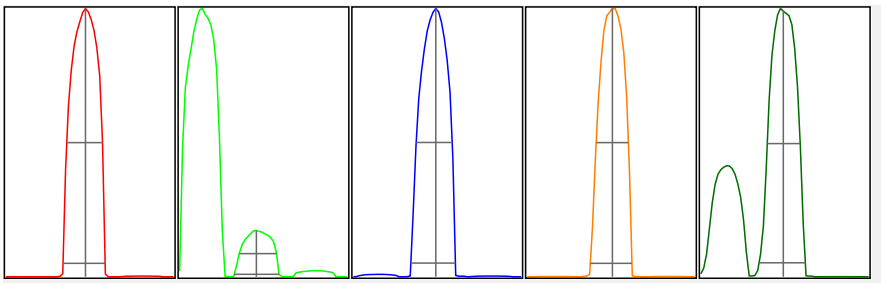
Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/(ug/l)]	Resp (Flag)	RSD%	RSD% (Required)
9	10.00	34948	349475.52			0.428	5.000
24	10.00	195998	1959981.37			1.540	5.000
59	10.00	397003	3970033.94			1.715	5.000
115	10.00	642844	6428440.88			1.385	5.000
208	10.00	384149	3841485.19			1.607	5.000

Mass	RSD% (Flag)
9	
24	
59	
115	
208	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	35116	34943	34992	34707	34980
24	198114	193925	199010	191831	197111
59	395618	389466	401973	392117	405844
115	649326	637694	655227	636807	635166
208	381310	375097	388646	385117	390572

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	59379.67	8.95	8.90 - 9.10	
24	320275.37	23.90	23.90 - 24.10	
59	672104.19	59.00	58.90 - 59.10	
115	1178599.28	115.05	114.90 - 115.10	
208	675465.72	208.00	207.90 - 208.10	

US EPA Tune Check Report

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.63	0.741	0.900	
24	0.65	0.789	0.900	
59	0.63	0.784	0.900	
115	0.57	0.733	0.900	
208	0.58	0.815	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	153.699999999999
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.70 L/min	Makeup Gas	0.50 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	7.7 V	Deflect	11.6 V
Extract 2	-135.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-60 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9993	QP Bias	-3.0 V
Mass Offset	125	Axis Offset	0.03		

Hardware Settings

Torch

Torch H	0.4 mm	Torch V	0.1 mm

EM

Discriminator	3.1 mV	Analog HV	2156 V	Pulse HV	1535 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/(ug/l)]	Resp (Flag)	RSD%	RSD% (Required)
24	10.00	6796	67960.77			0.490	5.000
59	10.00	131558	1315579.40			1.525	5.000
115	10.00	171205	1712051.50			1.287	5.000
208	10.00	170066	1700658.95			1.157	5.000

Mass	RSD% (Flag)
24	
59	

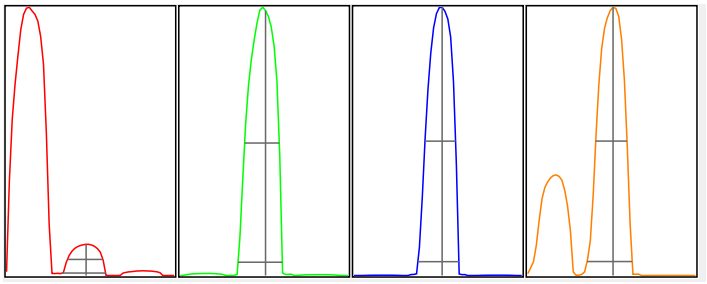
US EPA Tune Check Report

Mass	RSD% (Flag)
115	
208	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
24	6839	6807	6806	6777	6751
59	130415	129299	133487	133858	130731
115	171561	172240	173906	168032	170286
208	171819	167635	168775	169846	172255

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
24	11411.30	23.95	23.90 - 24.10	
59	226314.13	59.05	58.90 - 59.10	
115	327854.91	115.10	114.90 - 115.10	
208	316441.75	208.05	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
24	0.62	0.765	0.900	
59	0.61	0.779	0.900	
115	0.54	0.721	0.900	
208	0.55	0.795	0.900	

Integration Time [sec] 0.1
Acquisition Time [sec] 122.96
Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.70 L/min	Makeup Gas	0.35 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.7 V	Deflect	0.2 V
Extract 2	-200.0 V	Cell Entrance	-40 V	Plate Bias	-55 V
Omega Bias	-100 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	3.0 V

US EPA Tune Check Report

He Flow	4.3 mL/min	OctP Bias	-18.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9993	QP Bias	-15.0 V
Mass Offset	125	Axis Offset	0.03		

Hardware Settings

Torch

Torch H	0.4 mm	Torch V	0.1 mm		

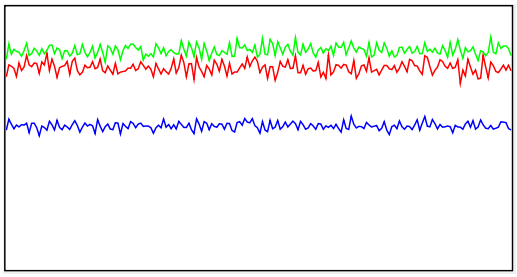
EM

Discriminator	3.1 mV	Analog HV	2156 V	Pulse HV	1535 V

Performance Report

Operator Name	ICPMS
Acq. Date-Time	8/27/2024 08:32:46
Instrument Name	G8422A SG22151236
Sample Introduction	PeriPump
Nebulizer Type	MicroMist
Ion Lens Model	x-Lens
Tune Parameters	Standard Tune

Sensitivity



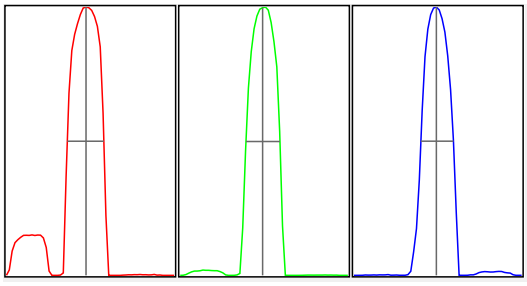
Mass	Range	Count	RSD%	Background
7	5000	3843	2.871	1.450
89	20000	16710	2.316	1.000
205	20000	10929	2.528	5.600

Sampling Period [sec]	0.311
Integration Time [sec]	0.1

Oxide/Doubly Charged Ratio

Oxide	156 / 140 0.916 %
Doubly Charged	70 / 140 1.758 %

Resolution/Axis



Mass	Peak Height	Axis	W-50%	W-10%
7	3791.65	6.95	0.64	0.77
89	16581.50	89.00	0.60	0.75
205	11016.58	205.00	0.57	0.77

Integration Time [sec]	0.1
Acquisition Time [sec]	22.74

Tune Parameters

Plasma Parameters

RF Power	1550 W	Option Gas	---	Makeup Gas	0.00 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Auxiliary Gas	0.90 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C	Plasma Gas	15.0 L/min
Nebulizer Gas	1.09 L/min				

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.4 V	Deflect	11.8 V
Extract 2	-200.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-80 V	Cell Exit	-50 V		

Performance Report

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

QP Bias	-3.0 V

Hardware Settings

Torch

Torch H	0.4 mm	Torch H (Hot)	---	Torch H (Cool)	---
Torch V	0.1 mm	Torch V (Hot)	---	Torch V (Cool)	---

Plasma Correction

Nebulizer Gas Offset	0.04 L/min	Makeup Gas (Hot)	---	Makeup Gas (Cool)	---
		Sample Depth (Hot)	---		

Resolution/Axis

Mass Gain	123	Axis Gain	0.9993		
Mass Offset	125	Axis Offset	0.03		

EM

Discriminator	3.1 mV	Analog HV	2156 V	Pulse HV	1535 V

Performance Report

Meter

Name	Value	Unit
Nebulizer Gas	1.09	L/min
MU./Dil. Gas	0.00	L/min
Plasma Gas	14.98	L/min
Aux Gas	0.90	L/min
Ar Gas Tank Press	5.61E+2	kPa
+5V (Press Gage)	5.0	V
Ar AMFC Temp	28.0	°C
Nebulizer Gas(DP)	5.73E+0	kPa
MU./Dil. Gas(DP)	-1.85E-1	kPa
Aux Gas(DP)	1.07E+1	kPa
Plasma Gas(DP)	1.16E+1	kPa
Nebulizer Gas(BP)	3.09E+2	kPa
MU./Dil. Gas(BP)	0.00E+0	kPa
Aux Gas(BP)	5.93E+1	kPa
Plasma Gas(BP)	4.26E+1	kPa
S/C Temp (H)	21.0	°C
S/C Temp (L)	2.0	°C
Peltier Voltage	3.6	V
IF/BK Press	2.60E+2	Pa
Analyzer Press	5.61E-5	Pa
IG HV	178	V
IG Emission	4.95	µA
TMP Revolution	100.0	%
TMP Rev (Raw)	100.6	%
TMP Current	2.88	A
PWR AMP Drain I	0.4	A
PWR AMP Bias	4.02	V
OctP RF (Avg)	202.9	V
OctP RF Set	3.9	V
OctP FET Bias Set	3.95	V
OctP RF(+)	177.8	V
OctP RF(-)	226.7	V
OctP Bias	-7.9	V
Cell Temp.	65.0	°C
Cell Heater Volt.	4.2	V
+U Voltage	8.6	V

Name	Value	Unit
-U Voltage	-14.9	V
V Voltage	45.7	V
QPRF Fader	0.0	V
Pickup Temp	55.0	°C
PWR Amp Temp	0.1	V
+600V	620.0	V
-120V	-132.8	V
-720V	-741.3	V
Prefilter Bias	-4.98	V
Pickup Heater I	0.09	A
QP PS +48V	47.6	V
QP PS +48V I	0.00	A
Analog HV	-2163	V
Pulse HV	1547	V
EM Gate	-43.4	V
Pulse Gate	331.6	V
EM Entrance	0.2	V
EM HV Gain	-779.6	V
Inner Pole	-300.0	V
Outer Pole	19.9	V
Analog -5V	-5.1	V
Analog +15V	14.5	V
Analog -15V	-14.4	V
Analog +5V	5.2	V
Shunt C Pos	1.5	V
Drain Volt.(max)	60.6	V
RF PS +48V	47.2	V
Forward Power	1549	W
Reflected Power	4	W
Plasma Freq.	27.05	MHz
Drain I 1	11.62	A
Drain I 2	10.49	A
Drain I 3	10.88	A
Drain I 4	11.48	A
Temp Sensor	2.8	V
Driver I	5.91	A

Name	Value	Unit
Igniter	0.0	V
Driver Voltage Set	6.9	V
Unbalance Current	0.33	A
PWM Threshold Set	0.2	V
Driver Voltage	5.6	V
PWM Threshold	0.2	V
Phase Detector	2.0	mV
H2 Gas	0.00	mL/min
He Gas	0.12	mL/min
H2 Gas Press	1.71E+2	kPa
He Gas Press	0.00E+0	kPa
ORS AMFC Temp	28.7	°C
Atmospheric Press	1.02E+2	kPa
Extract 1	0.0	V
Extract 2	-199.9	V
Omega Bias	-79.9	V
Omega Lens	8.6	V
Cell Entrance	-30.0	V
Cell Exit	-50.0	V
Deflect	11.9	V
Plate Bias	-35.1	V
HV+530V	531	V
HV+240V	238	V
HV-360V	-360	V
Inlet Temp	24.9	°C
Internal Temp	33.5	°C
+24V	23.7	V
Water Temp	22.4	°C
Water RF/WC/IF	1.47	L/min
ISIS 3 Pump Speed	0.0	%
Valve Position		
Tune/ISTD Valve		

Performance Report History

Sensitivity

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/27/2024 08:32:46	3843	16710	10929
8/26/2024 10:42:47	3976	12882	10259
8/23/2024 09:05:16	3432	12892	9568
8/22/2024 08:43:54	3662	14009	10981
8/21/2024 08:04:13	3190	14776	11594
8/20/2024 09:20:37	4220	16080	10288
8/19/2024 10:25:21	3050	10181	8067
8/19/2024 09:17:03	3195	9903	8321
8/16/2024 08:56:38	3253	15296	12175
8/15/2024 08:28:01	3146	14138	12111
8/14/2024 08:24:41	3158	13973	11673
8/13/2024 08:51:41	3023	15070	13056
8/12/2024 09:10:43	3411	12432	11805
8/12/2024 08:57:52	1786	5237	5122
8/9/2024 11:39:50	3767	15758	13022
8/9/2024 10:08:20	12	1	3
8/8/2024 08:40:39	3024	12546	9719
8/7/2024 09:19:16	2917	12165	9488
8/6/2024 11:12:44	2859	11998	10016
8/6/2024 10:53:38	2232	10655	9558
8/5/2024 10:40:17	2691	10635	9226
8/5/2024 10:09:19	2125	6835	5664
8/5/2024 09:55:23	2365	7939	6556
8/2/2024 09:40:16	3340	11024	9295
8/2/2024 08:37:48	3505	10692	8586
8/1/2024 10:38:00	3758	12250	9330
8/1/2024 09:06:45	3389	10556	9761
7/31/2024 08:13:58	3039	11937	9529
7/30/2024 08:50:51	2533	10165	9332
7/29/2024 16:06:05	3222	12529	9934
7/29/2024 12:07:28	3037	11992	10136
7/29/2024 11:14:31	3174	12095	10013
7/29/2024 10:15:21	2846	11965	10483
7/26/2024 08:53:52	3203	12639	10549
7/25/2024 09:09:23	2585	8526	8080
7/24/2024 15:10:09	3079	9987	9009
7/24/2024 08:46:25	3148	11490	9796
7/23/2024 09:32:54	3357	11492	9580
7/22/2024 10:18:30	3442	12004	11023
7/19/2024 08:55:06	3486	11885	10185
7/18/2024 09:06:31	3257	9447	8888

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
7/17/2024 13:03:52	2495	9473	8373
7/17/2024 08:53:29	2867	10755	8619
7/16/2024 08:54:03	2886	10903	8985
7/15/2024 10:39:29	2656	10995	8921
7/15/2024 10:30:38	103	5	6
7/15/2024 10:13:57	1404	5260	4224
7/15/2024 09:02:48	3268	12919	10156
7/12/2024 08:34:22	2706	11570	8940
7/11/2024 09:57:22	2727	11970	8459
7/10/2024 08:53:17	2246	9073	7312
7/9/2024 11:54:06	3038	12303	9808
7/9/2024 11:32:31	2139	7705	5834
7/9/2024 11:26:38	2090	7758	5904
7/9/2024 10:39:16	3437	12816	9591
7/9/2024 09:17:46	2577	11478	8879
7/9/2024 08:57:06	3286	13034	8974
7/8/2024 09:21:55	3166	12745	9642
7/8/2024 09:16:31	3066	12665	9668
7/5/2024 09:03:10	3288	13628	11266
7/3/2024 13:05:52	3539	13046	10137
7/3/2024 11:25:40	3213	12344	9957
7/3/2024 09:13:37	3169	12570	10423
7/3/2024 08:44:49	2051	12221	9873
7/2/2024 10:26:17	2328	11750	10360
7/2/2024 08:58:12	3072	10344	9707
7/1/2024 14:16:19	3282	10802	9231
7/1/2024 10:01:10	3288	12796	10476
6/28/2024 08:25:22	3484	12596	10301
6/27/2024 08:34:14	3474	12721	10120
6/27/2024 08:11:22	1666	11338	9258
6/26/2024 07:54:24	2501	8288	8428
6/25/2024 09:02:17	2627	12790	10975
6/24/2024 09:30:27	2976	12050	10056
6/21/2024 08:55:34	3096	13175	9957
6/21/2024 08:22:44	1280	11401	9041
6/20/2024 09:00:43	2564	9588	8694
6/19/2024 07:51:31	2980	11922	9704
6/18/2024 07:52:20	3296	11922	9824
6/17/2024 08:58:45	3009	9463	9003
6/14/2024 08:44:27	2879	12214	10357
6/13/2024 08:42:30	3176	12682	10526

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
6/12/2024 09:03:47	2996	12633	11312
6/11/2024 08:44:40	3492	13252	10118
6/10/2024 09:31:51	4111	13060	10421
6/10/2024 09:17:04	3508	11070	8441
6/10/2024 09:10:07	3930	12555	9564
6/7/2024 09:02:38	3417	11597	7618
6/6/2024 15:20:20	2950	9649	8247
6/6/2024 05:03:01	3480	13184	11025
6/6/2024 04:59:28	3438	13257	11014
6/5/2024 08:30:26	3575	12412	10789
6/4/2024 08:52:51	3401	12310	11419
6/4/2024 08:39:35	2814	11768	10904
6/4/2024 08:33:37	3060	12687	11246
6/3/2024 10:10:17	3272	10175	10494
6/3/2024 09:51:43	1907	6599	4712
6/3/2024 09:44:54	2209	7627	5199
6/3/2024 09:30:49	3299	9738	9247
5/31/2024 08:42:32	3301	13328	10713
5/30/2024 09:08:46	3406	13401	10419
5/29/2024 09:04:40	3587	13162	10590
5/29/2024 08:48:40	1739	11664	8844
5/29/2024 08:44:08	1858	12854	9297
5/28/2024 09:34:37	3138	12513	10682
5/24/2024 07:20:01	3325	12857	11044
5/23/2024 10:25:13	3407	12821	11140
5/22/2024 09:45:06	3583	12763	11601
5/21/2024 09:06:58	3752	13803	11837
5/21/2024 08:01:17	3966	14413	11053
5/20/2024 17:22:27	3645	10846	9662
5/20/2024 17:18:56	3613	10801	9645
5/20/2024 09:20:56	3333	12566	10681
5/17/2024 09:12:39	3467	13701	10660
5/16/2024 08:56:23	3599	13565	10699
5/15/2024 09:38:13	3581	13159	10227
5/15/2024 09:21:01	1917	11948	9850
5/14/2024 09:41:16	3346	12368	10966
5/14/2024 09:04:40	3206	11414	12297
5/13/2024 09:04:44	2639	15138	12300
5/10/2024 08:57:17	2178	13865	10279
5/9/2024 09:06:46	2313	13292	10727
5/9/2024 08:50:21	1763	12142	9522

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
5/9/2024 08:44:20	1789	12171	9682
5/8/2024 09:39:10	3313	11092	11044
5/7/2024 17:05:39	3463	13115	10886
5/7/2024 16:48:43	3264	12073	10628
5/7/2024 09:19:24	3347	12706	11167
5/6/2024 09:15:59	3892	14499	12724
5/6/2024 09:03:10	3843	14665	13481
5/3/2024 09:11:06	3540	13100	11548
5/2/2024 09:48:24	3670	12233	11836
5/1/2024 09:22:54	4036	13686	11251
4/30/2024 10:43:56	4361	13605	11359
4/30/2024 08:17:01	4350	13793	11664
4/29/2024 09:10:57	4751	14089	11140
4/29/2024 08:57:45	3329	9292	6892
4/26/2024 08:09:31	5054	14978	10788
4/25/2024 09:37:51	4308	13902	11794
4/24/2024 09:17:24	4876	17662	12102
4/23/2024 22:46:11	4199	16180	12059
4/23/2024 09:01:59	3715	15592	11876
4/22/2024 10:16:34	4292	15978	13578
4/19/2024 10:59:00	3974	16385	11540
4/19/2024 10:07:48	2645	8439	3189
4/19/2024 09:10:32	360162	657303	2022720
4/18/2024 09:24:23	3369	17060	12485
4/17/2024 17:03:53	2828	16000	10229
4/17/2024 16:22:27	2262	14213	9009
4/17/2024 09:09:54	3608	12353	11595
4/16/2024 09:06:44	4046	14969	11814
4/15/2024 09:14:49	4139	16052	12083
4/12/2024 08:28:21	4666	17208	13280
4/11/2024 08:35:01	4138	17113	13613
4/10/2024 09:48:58	4018	16844	14484
4/9/2024 08:56:49	3881	15432	13181
4/8/2024 09:25:48	4035	16790	14224
4/5/2024 08:28:47	3893	17251	13416
4/4/2024 11:00:01	2778	10338	7494
4/4/2024 10:45:12	4028	16465	14158
4/3/2024 08:29:42	3630	16640	12452
4/2/2024 09:43:44	3046	17903	13815
4/1/2024 09:27:15	3194	17804	13701
3/29/2024 08:53:28	2520	17006	12384

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
3/28/2024 09:08:20	2920	17324	12995
3/27/2024 16:48:32	3382	17176	12605
3/27/2024 10:07:18	3661	16126	12723
3/27/2024 08:49:30	3929	17060	12992
3/26/2024 10:28:06	4590	16054	14855
3/25/2024 10:10:30	4003	18464	13973
3/22/2024 09:00:45	2984	17875	12893
3/21/2024 08:44:31	3167	17829	13067
3/20/2024 09:03:42	3080	17089	12389
3/19/2024 13:23:15	3786	17505	12877
3/19/2024 09:31:32	3279	17943	12421
3/18/2024 10:47:35	4608	16508	13822
3/15/2024 09:19:25	2446	16491	10868
3/14/2024 09:13:05	2441	16585	10800
3/13/2024 09:22:30	2903	16825	11325
3/12/2024 09:10:39	2653	17105	11709
3/11/2024 11:07:32	4200	16181	13057
3/11/2024 09:31:05	4293	17257	11986
3/11/2024 09:27:33	4322	17396	12106
3/8/2024 08:29:13	4145	16244	11704
3/7/2024 17:46:09	4185	15148	11811
3/7/2024 13:19:13	4029	15848	11265
3/7/2024 09:28:32	3605	13491	9204
3/7/2024 09:11:32	2580	13526	10298
3/7/2024 09:01:08	2698	13846	10718
3/6/2024 10:19:40	3208	14488	10724
3/5/2024 10:15:16	273	1743	2387
3/5/2024 10:09:01	146	892	1334
3/4/2024 11:41:00	4063	15365	11233
3/4/2024 11:28:21	1954	9059	5433
3/1/2024 08:43:28	2996	15512	8966
2/29/2024 10:38:23	4306	15354	11334
2/29/2024 10:00:25	554	3889	4359
2/29/2024 09:54:15	506	3359	3784
2/28/2024 09:32:01	3061	18229	13084
2/27/2024 09:16:47	2827	17549	11855
2/26/2024 10:30:35	3971	16379	11179
2/26/2024 10:00:21	1827	10055	6679
2/23/2024 09:07:38	3382	16511	11230
2/22/2024 08:58:48	3065	15604	10264
2/21/2024 09:51:13	3455	16190	11543

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
2/20/2024 09:59:52	3253	15976	11176
2/19/2024 11:30:32	4894	17240	13782
2/19/2024 11:27:00	4856	17120	13743
2/19/2024 10:16:07	4289	15395	10107
2/16/2024 10:28:26	3613	15969	9007
2/15/2024 09:20:58	4185	16564	9371
2/14/2024 09:20:12	4712	16825	9695
2/13/2024 10:44:41	4401	16379	9098
2/13/2024 10:29:18	758	13401	11559
2/12/2024 11:24:46	2301	15124	11918
2/12/2024 11:09:08	53	2239	4028
2/12/2024 10:33:45	42	1954	3702
2/12/2024 10:19:52	438	2663	2740
2/12/2024 10:03:02	137	541	1027
2/9/2024 09:43:26	2475	17092	10562
2/8/2024 09:41:08	2739	17007	11011
2/7/2024 09:08:34	2949	17251	11332
2/6/2024 10:08:14	3266	17222	10352
2/5/2024 16:27:35	2590	11801	7811
2/2/2024 09:52:22	4247	15989	11850
2/1/2024 09:29:20	4221	15873	11923
1/31/2024 11:01:25	4619	16449	12370
1/31/2024 10:56:52	2140	7715	5751
1/30/2024 09:04:33	4439	15663	11799
1/29/2024 09:09:33	3916	13763	12278
1/26/2024 10:08:59	3557	15191	9410
1/25/2024 09:54:25	3735	15427	9753
1/24/2024 08:52:40	3752	15257	10201
1/23/2024 11:08:41	3473	15039	10359
1/22/2024 09:17:23	4075	16149	10348
1/22/2024 09:06:26	2984	12293	7869
1/19/2024 09:01:45	3434	14536	9100
1/18/2024 10:29:20	3342	14635	9148
1/17/2024 08:52:45	3752	15881	10390
1/16/2024 14:09:54	4332	14365	9878
1/16/2024 13:58:35	1849	8752	5553
1/16/2024 13:45:11	1759	8747	5733
1/15/2024 13:03:28	344	1843	2376
1/15/2024 10:46:25	310	1953	2595
1/15/2024 10:34:05	355	1945	2594
1/15/2024 10:25:28	354	1906	2502

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/15/2024 09:48:32	378	1867	2261
1/15/2024 09:32:45	371	1842	2272
1/11/2024 14:10:39	440	1388	1671
1/11/2024 14:00:32	442	1331	1629
1/11/2024 13:07:14	441	1073	1309
1/11/2024 12:18:32	442	1296	1595
1/11/2024 10:36:51	468	1469	1987
1/11/2024 10:28:26	430	1428	1696
1/11/2024 09:11:58	387	1869	2263
1/11/2024 09:02:27	313	1592	1975
1/11/2024 08:54:00	310	1559	1944
1/10/2024 09:10:40	3490	14986	10982
1/9/2024 12:58:05	4349	14607	8180
1/9/2024 12:49:35	715	10779	7642
1/9/2024 12:37:33	8	1202	6143
1/9/2024 12:22:55	8	1215	6181
1/9/2024 12:00:03	8	1341	6546
1/9/2024 11:54:42	9	1280	6372
1/9/2024 11:45:17	9	1382	6594
1/9/2024 11:40:53	10	1397	6617
1/9/2024 11:25:08	362	1545	1665
1/9/2024 11:20:04	363	1540	1650
1/8/2024 13:49:37	3408	10281	9523
1/8/2024 12:34:48	1155	5021	6450
1/8/2024 12:30:18	1191	5187	6341
1/5/2024 09:35:49	3668	12692	8070
1/4/2024 09:13:21	3867	12894	6927
1/4/2024 09:00:57	603	1935	1257
1/3/2024 08:46:17	3809	12778	9107
1/2/2024 11:16:48	3519	12397	9390
1/2/2024 10:38:17	3814	12293	8842
12/29/2023 10:12:49	4013	12649	8816
12/28/2023 08:59:35	3766	13387	9586
12/27/2023 12:20:02	3809	12937	8800
12/27/2023 11:34:32	40	9	2
12/27/2023 10:51:04	55	31	2
12/27/2023 10:41:08	72	37	8
12/27/2023 10:33:50	3879	13288	8945
12/27/2023 10:28:28	3772	13183	8580
12/22/2023 07:49:52	3943	11892	9924
12/21/2023 08:44:43	3526	13027	9943

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/20/2023 09:26:41	4003	13172	10074
12/19/2023 09:55:37	4333	13694	10285
12/18/2023 10:16:18	4138	13763	10818
12/18/2023 10:06:38	3415	13014	10962
12/18/2023 10:00:26	3894	14384	11204
12/15/2023 09:45:55	3734	14030	9513
12/14/2023 10:23:15	3524	14113	9600
12/13/2023 10:17:40	3829	13996	9570
12/12/2023 09:56:00	3555	14240	9677
12/11/2023 10:31:48	3701	14394	9382
12/8/2023 10:10:39	3664	14293	8929
12/7/2023 09:51:50	3426	13353	8809
12/6/2023 10:12:37	3698	14579	8824
12/5/2023 10:02:14	3349	13427	9922
12/4/2023 12:08:53	3427	12418	10340
12/4/2023 11:24:17	1768	7808	8292
12/4/2023 11:20:06	1802	8001	8316
12/4/2023 11:16:06	1832	8106	8250
12/4/2023 10:23:39	1770	7816	7735
12/4/2023 10:16:55	1601	7275	7827
12/4/2023 10:09:27	1944	8113	7456
12/1/2023 09:45:19	2113	9054	8466
11/30/2023 11:48:17	2317	9995	8851
11/30/2023 11:13:01	1727	8309	9089
11/30/2023 11:05:44	1721	8023	8748
11/30/2023 10:33:46	1172	5927	8124
11/29/2023 10:04:26	2359	11870	8365
11/29/2023 09:51:22	1483	5693	3444
11/28/2023 12:50:37	3146	12531	8324
11/28/2023 12:18:55	2789	8914	4789
11/28/2023 12:15:04	3346	10726	5995
11/28/2023 11:49:24	2609	8496	4878
11/28/2023 10:22:53	1529	5718	4738
11/28/2023 10:19:03	1663	6180	5204
11/28/2023 10:15:20	1784	6623	5657
11/28/2023 09:59:37	1436	6174	5639
11/27/2023 10:28:48	2148	9665	8835
11/27/2023 10:07:16	1451	7618	8440
11/27/2023 10:01:25	1454	7648	8543
11/27/2023 09:52:06	1636	8794	9323
11/22/2023 09:50:47	2317	9749	8520

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/21/2023 09:52:05	2348	10189	9398
11/20/2023 09:38:08	2536	10392	9162
11/17/2023 10:07:38	2699	10664	9285
11/16/2023 09:42:56	2615	11519	10404
11/15/2023 13:01:45	2120	9780	10146
11/15/2023 12:33:52	1814	8334	9391
11/15/2023 12:27:35	1837	8353	9462
11/15/2023 12:17:35	1829	8310	9392
11/15/2023 12:09:42	1631	7760	9062
11/15/2023 10:39:09	1634	7521	8758
11/14/2023 10:25:03	4165	15167	8009
11/13/2023 09:42:07	3445	15971	9795
11/10/2023 09:15:37	3300	14607	7635
11/9/2023 09:55:52	2651	15369	8099
11/8/2023 09:55:56	2862	15545	7990
11/7/2023 10:07:52	2359	13776	7205
11/7/2023 10:01:12	1759	11245	6289
11/7/2023 09:55:11	1931	12236	6442
11/6/2023 10:21:52	3645	16323	7638
11/3/2023 09:44:39	2391	13805	7745
11/2/2023 09:56:11	2999	15000	8628
11/1/2023 09:41:33	3299	14766	7935

Background

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/27/2024 08:32:46	1.450	1.000	5.600
8/26/2024 10:42:47	1.150	0.650	4.550
8/23/2024 09:05:16	1.400	1.400	3.650
8/22/2024 08:43:54	1.050	0.850	3.250
8/21/2024 08:04:13	1.200	1.050	4.450
8/20/2024 09:20:37	1.250	1.250	5.250
8/19/2024 10:25:21	1.000	0.500	4.550
8/19/2024 09:17:03	0.900	0.650	3.700
8/16/2024 08:56:38	1.050	1.050	3.450
8/15/2024 08:28:01	1.000	0.600	3.250
8/14/2024 08:24:41	1.150	0.450	4.000

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/13/2024 08:51:41	1.200	0.450	2.850
8/12/2024 09:10:43	0.500	0.500	2.350
8/12/2024 08:57:52	0.950	0.600	2.950
8/9/2024 11:39:50	1.350	0.700	4.500
8/9/2024 10:08:20	0.850	0.600	3.100
8/8/2024 08:40:39	1.200	0.500	5.750
8/7/2024 09:19:16	1.350	0.900	4.300
8/6/2024 11:12:44	1.450	0.800	3.500
8/6/2024 10:53:38	1.600	0.500	3.350
8/5/2024 10:40:17	0.600	0.750	3.150
8/5/2024 10:09:19	1.300	0.750	4.700
8/5/2024 09:55:23	0.800	0.700	5.750
8/2/2024 09:40:16	1.050	0.650	4.450
8/2/2024 08:37:48	1.300	0.700	4.600
8/1/2024 10:38:00	1.050	0.550	5.450
8/1/2024 09:06:45	0.900	0.850	3.750
7/31/2024 08:13:58	1.200	0.650	3.800
7/30/2024 08:50:51	1.100	0.650	2.400
7/29/2024 16:06:05	1.250	0.950	4.850
7/29/2024 12:07:28	1.500	0.750	4.100
7/29/2024 11:14:31	1.200	1.000	3.500
7/29/2024 10:15:21	1.250	0.800	3.900
7/26/2024 08:53:52	0.750	1.200	3.950
7/25/2024 09:09:23	0.750	0.300	2.900
7/24/2024 15:10:09	0.750	0.700	3.650
7/24/2024 08:46:25	1.100	0.650	4.200
7/23/2024 09:32:54	1.250	0.750	3.550
7/22/2024 10:18:30	1.050	0.600	4.200
7/19/2024 08:55:06	1.300	0.650	4.050
7/18/2024 09:06:31	0.700	0.600	2.950
7/17/2024 13:03:52	1.150	0.800	3.850
7/17/2024 08:53:29	1.700	0.550	5.400
7/16/2024 08:54:03	0.900	0.850	4.100
7/15/2024 10:39:29	1.050	0.750	4.650
7/15/2024 10:30:38	1.250	0.750	4.300
7/15/2024 10:13:57	1.250	0.650	4.400
7/15/2024 09:02:48	1.550	0.450	4.300
7/12/2024 08:34:22	1.200	0.850	4.100
7/11/2024 09:57:22	1.550	1.200	5.900
7/10/2024 08:53:17	1.050	0.850	2.900
7/9/2024 11:54:06	1.200	0.750	3.700

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
7/9/2024 11:32:31	1.000	0.450	3.700
7/9/2024 11:26:38	1.550	0.550	4.350
7/9/2024 10:39:16	1.200	1.050	4.700
7/9/2024 09:17:46	1.550	0.800	4.650
7/9/2024 08:57:06	1.250	0.700	3.100
7/8/2024 09:21:55	1.700	0.950	5.050
7/8/2024 09:16:31	1.050	0.750	4.500
7/5/2024 09:03:10	1.200	0.500	3.600
7/3/2024 13:05:52	1.150	1.000	4.000
7/3/2024 11:25:40	1.500	0.850	4.500
7/3/2024 09:13:37	1.000	0.550	4.300
7/3/2024 08:44:49	0.950	0.650	3.500
7/2/2024 10:26:17	0.850	0.650	3.600
7/2/2024 08:58:12	0.900	0.850	3.350
7/1/2024 14:16:19	1.450	0.500	5.050
7/1/2024 10:01:10	1.450	0.850	3.900
6/28/2024 08:25:22	1.100	1.350	4.300
6/27/2024 08:34:14	1.350	0.900	6.000
6/27/2024 08:11:22	0.850	0.700	4.400
6/26/2024 07:54:24	0.650	0.400	2.750
6/25/2024 09:02:17	0.900	0.650	4.200
6/24/2024 09:30:27	1.250	1.100	4.150
6/21/2024 08:55:34	1.150	0.700	6.200
6/21/2024 08:22:44	1.050	0.900	3.250
6/20/2024 09:00:43	1.300	0.700	2.750
6/19/2024 07:51:31	1.500	1.400	4.900
6/18/2024 07:52:20	1.850	1.000	4.300
6/17/2024 08:58:45	1.000	0.450	2.900
6/14/2024 08:44:27	1.200	0.450	4.150
6/13/2024 08:42:30	1.100	0.850	4.800
6/12/2024 09:03:47	1.200	0.400	3.350
6/11/2024 08:44:40	1.650	0.700	3.950
6/10/2024 09:31:51	1.550	0.750	4.350
6/10/2024 09:17:04	1.250	0.450	3.800
6/10/2024 09:10:07	1.400	0.600	3.500
6/7/2024 09:02:38	1.400	0.350	3.300
6/6/2024 15:20:20	1.150	0.400	2.650
6/6/2024 05:03:01	1.500	1.100	4.650
6/6/2024 04:59:28	1.300	0.900	3.750
6/5/2024 08:30:26	1.800	1.350	4.050
6/4/2024 08:52:51	0.650	0.500	3.850

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
6/4/2024 08:39:35	0.850	0.500	3.450
6/4/2024 08:33:37	0.950	0.800	4.400
6/3/2024 10:10:17	1.000	0.500	3.100
6/3/2024 09:51:43	2.050	0.850	4.950
6/3/2024 09:44:54	1.500	0.500	5.150
6/3/2024 09:30:49	1.100	0.350	3.050
5/31/2024 08:42:32	1.350	0.900	5.150
5/30/2024 09:08:46	1.000	0.550	4.300
5/29/2024 09:04:40	1.150	0.750	4.750
5/29/2024 08:48:40	0.700	0.550	2.700
5/29/2024 08:44:08	1.150	0.400	3.600
5/28/2024 09:34:37	1.000	0.450	3.150
5/24/2024 07:20:01	1.250	1.100	4.200
5/23/2024 10:25:13	0.900	0.900	5.100
5/22/2024 09:45:06	1.050	0.750	5.250
5/21/2024 09:06:58	1.400	1.100	5.050
5/21/2024 08:01:17	1.150	0.950	4.950
5/20/2024 17:22:27	0.900	0.750	3.800
5/20/2024 17:18:56	1.050	1.050	3.750
5/20/2024 09:20:56	0.450	0.650	3.250
5/17/2024 09:12:39	1.050	0.700	4.800
5/16/2024 08:56:23	0.900	0.750	3.850
5/15/2024 09:38:13	0.750	0.600	4.050
5/15/2024 09:21:01	0.900	0.250	3.400
5/14/2024 09:41:16	0.900	0.350	3.050
5/14/2024 09:04:40	0.600	0.350	2.100
5/13/2024 09:04:44	0.950	0.900	3.450
5/10/2024 08:57:17	0.900	0.550	5.000
5/9/2024 09:06:46	1.100	0.900	5.050
5/9/2024 08:50:21	1.150	0.700	4.800
5/9/2024 08:44:20	1.000	1.000	5.300
5/8/2024 09:39:10	1.300	0.600	3.200
5/7/2024 17:05:39	1.150	0.700	4.850
5/7/2024 16:48:43	1.050	0.800	3.600
5/7/2024 09:19:24	1.000	0.800	3.750
5/6/2024 09:15:59	0.750	0.750	4.350
5/6/2024 09:03:10	0.850	0.700	4.500
5/3/2024 09:11:06	1.150	0.500	3.350
5/2/2024 09:48:24	0.800	0.800	2.450
5/1/2024 09:22:54	1.300	0.700	5.450
4/30/2024 10:43:56	1.000	1.250	5.000

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
4/30/2024 08:17:01	1.150	0.950	4.100
4/29/2024 09:10:57	1.550	0.750	5.050
4/29/2024 08:57:45	1.550	0.850	5.850
4/26/2024 08:09:31	1.300	0.750	5.850
4/25/2024 09:37:51	1.250	1.000	4.100
4/24/2024 09:17:24	1.600	1.450	5.400
4/23/2024 22:46:11	1.250	1.150	5.750
4/23/2024 09:01:59	0.700	0.550	4.900
4/22/2024 10:16:34	1.000	0.650	4.100
4/19/2024 10:59:00	1.050	1.050	5.250
4/19/2024 10:07:48	2.150	1.700	8.800
4/19/2024 09:10:32	0.600	0.600	1.050
4/18/2024 09:24:23	0.850	0.800	2.900
4/17/2024 17:03:53	1.350	0.800	4.300
4/17/2024 16:22:27	1.150	1.000	4.600
4/17/2024 09:09:54	0.800	0.750	2.300
4/16/2024 09:06:44	1.150	1.300	4.500
4/15/2024 09:14:49	1.200	1.150	5.300
4/12/2024 08:28:21	1.050	0.850	4.250
4/11/2024 08:35:01	0.900	0.700	4.650
4/10/2024 09:48:58	0.550	1.000	3.500
4/9/2024 08:56:49	0.700	0.700	3.500
4/8/2024 09:25:48	0.950	0.800	4.150
4/5/2024 08:28:47	1.450	0.700	5.100
4/4/2024 11:00:01	1.700	0.650	4.750
4/4/2024 10:45:12	1.100	0.750	3.200
4/3/2024 08:29:42	0.950	0.900	5.550
4/2/2024 09:43:44	0.800	0.750	2.500
4/1/2024 09:27:15	1.200	1.300	3.650
3/29/2024 08:53:28	1.250	0.900	3.350
3/28/2024 09:08:20	0.800	0.850	3.950
3/27/2024 16:48:32	1.250	1.100	4.700
3/27/2024 10:07:18	1.650	0.750	3.600
3/27/2024 08:49:30	1.700	0.600	4.200
3/26/2024 10:28:06	1.450	0.550	4.000
3/25/2024 10:10:30	1.150	0.650	4.800
3/22/2024 09:00:45	0.750	0.750	4.000
3/21/2024 08:44:31	0.900	0.450	4.000
3/20/2024 09:03:42	1.350	0.650	2.950
3/19/2024 13:23:15	1.250	0.750	3.650
3/19/2024 09:31:32	0.950	0.500	3.450

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
3/18/2024 10:47:35	1.150	0.550	3.550
3/15/2024 09:19:25	1.700	1.000	5.050
3/14/2024 09:13:05	1.100	0.750	4.050
3/13/2024 09:22:30	1.700	0.850	3.850
3/12/2024 09:10:39	0.850	0.700	3.750
3/11/2024 11:07:32	1.650	0.850	4.300
3/11/2024 09:31:05	1.450	0.850	4.850
3/11/2024 09:27:33	1.950	0.500	4.700
3/8/2024 08:29:13	1.800	0.650	4.350
3/7/2024 17:46:09	1.250	1.050	4.550
3/7/2024 13:19:13	0.950	0.650	4.750
3/7/2024 09:28:32	2.150	1.000	4.900
3/7/2024 09:11:32	1.200	0.600	3.500
3/7/2024 09:01:08	1.250	0.700	4.350
3/6/2024 10:19:40	1.600	0.500	4.550
3/5/2024 10:15:16	45.151	868.764	0.250
3/5/2024 10:09:01	0.450	0.100	0.150
3/4/2024 11:41:00	1.650	1.000	4.400
3/4/2024 11:28:21	1.900	1.700	7.550
3/1/2024 08:43:28	1.850	1.100	5.400
2/29/2024 10:38:23	1.350	0.800	4.500
2/29/2024 10:00:25	0.850	0.450	1.150
2/29/2024 09:54:15	0.900	0.350	1.300
2/28/2024 09:32:01	1.250	0.700	3.350
2/27/2024 09:16:47	1.000	0.700	3.200
2/26/2024 10:30:35	1.750	0.700	5.350
2/26/2024 10:00:21	2.150	0.700	5.850
2/23/2024 09:07:38	1.300	0.550	3.600
2/22/2024 08:58:48	1.150	0.850	4.300
2/21/2024 09:51:13	1.000	0.650	3.750
2/20/2024 09:59:52	1.100	1.250	3.900
2/19/2024 11:30:32	1.150	0.400	3.700
2/19/2024 11:27:00	1.800	0.500	3.150
2/19/2024 10:16:07	1.100	0.750	4.100
2/16/2024 10:28:26	1.650	0.950	5.150
2/15/2024 09:20:58	1.850	0.850	5.350
2/14/2024 09:20:12	2.050	1.150	5.600
2/13/2024 10:44:41	1.700	1.150	5.800
2/13/2024 10:29:18	1.550	0.800	2.700
2/12/2024 11:24:46	1.300	0.400	3.900
2/12/2024 11:09:08	0.150	0.150	0.350

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
2/12/2024 10:33:45	0.450	2.300	0.100
2/12/2024 10:19:52	1.550	0.400	1.250
2/12/2024 10:03:02	0.150	0.050	0.200
2/9/2024 09:43:26	1.600	0.400	3.200
2/8/2024 09:41:08	1.600	0.800	3.200
2/7/2024 09:08:34	1.200	0.550	3.550
2/6/2024 10:08:14	1.650	1.550	4.100
2/5/2024 16:27:35	1.100	0.550	3.400
2/2/2024 09:52:22	1.250	0.600	5.350
2/1/2024 09:29:20	1.000	0.550	5.000
1/31/2024 11:01:25	1.300	0.650	4.650
1/31/2024 10:56:52	1.200	0.800	5.700
1/30/2024 09:04:33	0.900	0.650	5.400
1/29/2024 09:09:33	1.100	0.650	4.000
1/26/2024 10:08:59	1.450	1.050	5.000
1/25/2024 09:54:25	1.350	0.850	3.950
1/24/2024 08:52:40	1.300	0.900	3.900
1/23/2024 11:08:41	1.000	0.900	3.450
1/22/2024 09:17:23	1.300	0.800	5.500
1/22/2024 09:06:26	1.750	0.650	4.050
1/19/2024 09:01:45	1.750	1.000	4.000
1/18/2024 10:29:20	1.250	0.650	3.600
1/17/2024 08:52:45	1.550	0.650	4.250
1/16/2024 14:09:54	1.450	0.650	4.150
1/16/2024 13:58:35	1.450	0.800	3.350
1/16/2024 13:45:11	1.050	0.600	3.600
1/15/2024 13:03:28	0.750	0.200	0.700
1/15/2024 10:46:25	0.800	0.100	0.400
1/15/2024 10:34:05	0.800	0.100	0.750
1/15/2024 10:25:28	1.350	0.150	0.800
1/15/2024 09:48:32	0.950	0.250	0.450
1/15/2024 09:32:45	1.050	0.350	0.600
1/11/2024 14:10:39	0.900	0.150	0.200
1/11/2024 14:00:32	0.700	0.050	0.250
1/11/2024 13:07:14	0.600	0.150	0.250
1/11/2024 12:18:32	0.550	0.050	0.400
1/11/2024 10:36:51	0.450	0.100	0.250
1/11/2024 10:28:26	0.550	0.050	0.200
1/11/2024 09:11:58	0.300	0.150	0.500
1/11/2024 09:02:27	0.700	0.200	0.500
1/11/2024 08:54:00	0.450	0.100	0.600

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/10/2024 09:10:40	1.400	1.000	4.400
1/9/2024 12:58:05	2.000	0.800	4.900
1/9/2024 12:49:35	1.200	0.450	1.750
1/9/2024 12:37:33	0.000	0.050	0.200
1/9/2024 12:22:55	0.050	0.050	0.000
1/9/2024 12:00:03	0.000	0.050	0.100
1/9/2024 11:54:42	0.000	0.000	0.050
1/9/2024 11:45:17	0.100	0.000	0.050
1/9/2024 11:40:53	0.050	0.000	0.050
1/9/2024 11:25:08	0.450	0.050	0.200
1/9/2024 11:20:04	0.250	0.100	0.200
1/8/2024 13:49:37	0.950	0.550	2.650
1/8/2024 12:34:48	0.350	0.150	0.600
1/8/2024 12:30:18	0.250	0.300	0.450
1/5/2024 09:35:49	1.250	0.450	3.900
1/4/2024 09:13:21	1.100	0.750	4.350
1/4/2024 09:00:57	1.400	0.450	2.950
1/3/2024 08:46:17	1.250	0.600	3.200
1/2/2024 11:16:48	1.350	0.300	2.800
1/2/2024 10:38:17	1.250	0.800	2.900
12/29/2023 10:12:49	0.850	0.500	3.100
12/28/2023 08:59:35	1.000	0.800	3.550
12/27/2023 12:20:02	1.000	0.600	3.150
12/27/2023 11:34:32	0.800	0.650	3.450
12/27/2023 10:51:04	1.000	0.800	3.000
12/27/2023 10:41:08	1.200	0.400	3.400
12/27/2023 10:33:50	1.500	0.650	3.500
12/27/2023 10:28:28	0.950	0.600	3.300
12/22/2023 07:49:52	0.850	0.450	2.400
12/21/2023 08:44:43	1.050	0.450	2.150
12/20/2023 09:26:41	0.600	0.350	3.500
12/19/2023 09:55:37	1.150	0.550	2.600
12/18/2023 10:16:18	0.700	0.400	2.100
12/18/2023 10:06:38	0.900	0.150	2.400
12/18/2023 10:00:26	1.150	0.200	2.950
12/15/2023 09:45:55	1.000	0.800	3.050
12/14/2023 10:23:15	0.350	0.850	2.950
12/13/2023 10:17:40	0.650	0.250	2.800
12/12/2023 09:56:00	0.950	0.600	2.700
12/11/2023 10:31:48	1.350	0.200	2.550
12/8/2023 10:10:39	0.950	0.600	3.250

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/7/2023 09:51:50	0.850	0.300	2.550
12/6/2023 10:12:37	1.050	0.750	3.550
12/5/2023 10:02:14	0.600	0.450	1.750
12/4/2023 12:08:53	0.600	0.300	2.500
12/4/2023 11:24:17	0.350	0.200	1.300
12/4/2023 11:20:06	0.500	0.250	0.850
12/4/2023 11:16:06	0.150	0.500	1.150
12/4/2023 10:23:39	0.300	0.150	1.400
12/4/2023 10:16:55	0.300	0.350	0.950
12/4/2023 10:09:27	0.400	0.300	1.100
12/1/2023 09:45:19	0.550	0.500	1.500
11/30/2023 11:48:17	0.450	0.350	1.950
11/30/2023 11:13:01	0.450	0.100	1.200
11/30/2023 11:05:44	0.500	0.050	1.150
11/30/2023 10:33:46	0.150	0.200	0.700
11/29/2023 10:04:26	0.850	0.450	2.200
11/29/2023 09:51:22	0.750	0.300	2.400
11/28/2023 12:50:37	1.000	0.550	2.650
11/28/2023 12:18:55	0.800	0.700	3.500
11/28/2023 12:15:04	0.500	0.450	3.050
11/28/2023 11:49:24	0.900	0.450	3.200
11/28/2023 10:22:53	0.650	0.350	1.800
11/28/2023 10:19:03	0.550	0.400	1.950
11/28/2023 10:15:20	0.200	0.200	1.650
11/28/2023 09:59:37	0.250	0.200	1.500
11/27/2023 10:28:48	0.300	0.200	1.850
11/27/2023 10:07:16	0.300	0.100	1.500
11/27/2023 10:01:25	0.500	0.150	1.150
11/27/2023 09:52:06	0.500	0.150	1.250
11/22/2023 09:50:47	0.500	0.300	1.700
11/21/2023 09:52:05	0.650	0.250	1.200
11/20/2023 09:38:08	0.200	0.350	1.450
11/17/2023 10:07:38	0.250	0.100	2.450
11/16/2023 09:42:56	0.350	0.350	2.750
11/15/2023 13:01:45	0.550	0.100	1.700
11/15/2023 12:33:52	0.350	0.250	0.900
11/15/2023 12:27:35	0.150	0.250	1.300
11/15/2023 12:17:35	0.400	0.200	0.900
11/15/2023 12:09:42	0.450	0.150	1.350
11/15/2023 10:39:09	0.200	0.100	1.150
11/14/2023 10:25:03	1.600	0.750	4.550

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/13/2023 09:42:07	1.000	0.350	3.300
11/10/2023 09:15:37	0.950	0.650	3.000
11/9/2023 09:55:52	0.850	0.450	2.800
11/8/2023 09:55:56	1.100	0.450	3.550
11/7/2023 10:07:52	1.150	0.800	3.850
11/7/2023 10:01:12	0.750	0.350	2.550
11/7/2023 09:55:11	1.000	0.350	3.150
11/6/2023 10:21:52	1.450	0.800	3.700
11/3/2023 09:44:39	1.250	0.600	4.000
11/2/2023 09:56:11	1.350	0.500	3.200
11/1/2023 09:41:33	1.550	0.700	4.000

Tune Parameters

Created Date	Extract 1	Extract 2	Omega Bias
8/27/2024 08:32:46	0.0 V	-200.0 V	-80 V
8/26/2024 10:42:47	0.0 V	-185.0 V	-100 V
8/23/2024 09:05:16	0.0 V	-140.0 V	-70 V
8/22/2024 08:43:54	0.0 V	-160.0 V	-70 V
8/21/2024 08:04:13	0.0 V	-200.0 V	-80 V
8/20/2024 09:20:37	0.0 V	-190.0 V	-100 V
8/19/2024 10:25:21	0.0 V	-185.0 V	-80 V
8/19/2024 09:17:03	0.0 V	-165.0 V	-80 V
8/16/2024 08:56:38	0.0 V	-180.0 V	-80 V
8/15/2024 08:28:01	0.0 V	-165.0 V	-80 V
8/14/2024 08:24:41	0.0 V	-175.0 V	-80 V
8/13/2024 08:51:41	0.0 V	-185.0 V	-80 V
8/12/2024 09:10:43	0.0 V	-160.0 V	-80 V
8/12/2024 08:57:52	0.0 V	-180.0 V	-80 V
8/9/2024 11:39:50	0.0 V	-195.0 V	-90 V
8/9/2024 10:08:20	0.0 V	-195.0 V	-90 V
8/8/2024 08:40:39	0.0 V	-195.0 V	-90 V
8/7/2024 09:19:16	0.0 V	-195.0 V	-90 V
8/6/2024 11:12:44	0.0 V	-200.0 V	-80 V
8/6/2024 10:53:38	0.0 V	-200.0 V	-80 V
8/5/2024 10:40:17	0.0 V	-200.0 V	-80 V
8/5/2024 10:09:19	0.0 V	-200.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
8/5/2024 09:55:23	0.0 V	-195.0 V	-90 V
8/2/2024 09:40:16	0.0 V	-190.0 V	-90 V
8/2/2024 08:37:48	0.0 V	-190.0 V	-90 V
8/1/2024 10:38:00	0.0 V	-180.0 V	-90 V
8/1/2024 09:06:45	0.0 V	-175.0 V	-90 V
7/31/2024 08:13:58	0.0 V	-185.0 V	-90 V
7/30/2024 08:50:51	0.0 V	-180.0 V	-90 V
7/29/2024 16:06:05	0.0 V	-190.0 V	-90 V
7/29/2024 12:07:28	0.0 V	-195.0 V	-90 V
7/29/2024 11:14:31	0.0 V	-195.0 V	-100 V
7/29/2024 10:15:21	0.0 V	-180.0 V	-90 V
7/26/2024 08:53:52	0.0 V	-190.0 V	-90 V
7/25/2024 09:09:23	0.0 V	-165.0 V	-90 V
7/24/2024 15:10:09	0.0 V	-185.0 V	-90 V
7/24/2024 08:46:25	0.0 V	-180.0 V	-90 V
7/23/2024 09:32:54	0.0 V	-180.0 V	-90 V
7/22/2024 10:18:30	0.0 V	-185.0 V	-90 V
7/19/2024 08:55:06	0.0 V	-190.0 V	-90 V
7/18/2024 09:06:31	0.0 V	-175.0 V	-90 V
7/17/2024 13:03:52	0.0 V	-185.0 V	-90 V
7/17/2024 08:53:29	0.0 V	-185.0 V	-90 V
7/16/2024 08:54:03	0.0 V	-190.0 V	-90 V
7/15/2024 10:39:29	0.0 V	-195.0 V	-90 V
7/15/2024 10:30:38	0.0 V	-180.0 V	-90 V
7/15/2024 10:13:57	0.0 V	-180.0 V	-90 V
7/15/2024 09:02:48	0.0 V	-185.0 V	-90 V
7/12/2024 08:34:22	0.0 V	-175.0 V	-90 V
7/11/2024 09:57:22	0.0 V	-180.0 V	-80 V
7/10/2024 08:53:17	0.0 V	-150.0 V	-70 V
7/9/2024 11:54:06	0.0 V	-155.0 V	-70 V
7/9/2024 11:32:31	0.0 V	-155.0 V	-70 V
7/9/2024 11:26:38	0.0 V	-155.0 V	-70 V
7/9/2024 10:39:16	0.0 V	-155.0 V	-70 V
7/9/2024 09:17:46	0.0 V	-155.0 V	-70 V
7/9/2024 08:57:06	0.0 V	-140.0 V	-70 V
7/8/2024 09:21:55	0.0 V	-165.0 V	-80 V
7/8/2024 09:16:31	0.0 V	-160.0 V	-80 V
7/5/2024 09:03:10	0.0 V	-200.0 V	-90 V
7/3/2024 13:05:52	0.0 V	-195.0 V	-100 V
7/3/2024 11:25:40	0.0 V	-195.0 V	-90 V
7/3/2024 09:13:37	0.0 V	-195.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
7/3/2024 08:44:49	0.0 V	-170.0 V	-90 V
7/2/2024 10:26:17	0.0 V	-170.0 V	-90 V
7/2/2024 08:58:12	0.0 V	-170.0 V	-90 V
7/1/2024 14:16:19	0.0 V	-190.0 V	-90 V
7/1/2024 10:01:10	0.0 V	-195.0 V	-90 V
6/28/2024 08:25:22	0.0 V	-195.0 V	-90 V
6/27/2024 08:34:14	0.0 V	-195.0 V	-90 V
6/27/2024 08:11:22	0.0 V	-175.0 V	-90 V
6/26/2024 07:54:24	0.0 V	-175.0 V	-90 V
6/25/2024 09:02:17	0.0 V	-190.0 V	-90 V
6/24/2024 09:30:27	0.0 V	-190.0 V	-90 V
6/21/2024 08:55:34	0.0 V	-200.0 V	-90 V
6/21/2024 08:22:44	0.0 V	-170.0 V	-90 V
6/20/2024 09:00:43	0.0 V	-170.0 V	-90 V
6/19/2024 07:51:31	0.0 V	-175.0 V	-90 V
6/18/2024 07:52:20	0.0 V	-175.0 V	-90 V
6/17/2024 08:58:45	0.0 V	-175.0 V	-90 V
6/14/2024 08:44:27	0.0 V	-195.0 V	-90 V
6/13/2024 08:42:30	0.0 V	-200.0 V	-100 V
6/12/2024 09:03:47	0.0 V	-200.0 V	-100 V
6/11/2024 08:44:40	0.0 V	-185.0 V	-100 V
6/10/2024 09:31:51	0.0 V	-170.0 V	-90 V
6/10/2024 09:17:04	0.0 V	-165.0 V	-90 V
6/10/2024 09:10:07	0.0 V	-165.0 V	-90 V
6/7/2024 09:02:38	0.0 V	-165.0 V	-90 V
6/6/2024 15:20:20	0.0 V	-165.0 V	-90 V
6/6/2024 05:03:01	0.0 V	-190.0 V	-90 V
6/6/2024 04:59:28	0.0 V	-190.0 V	-90 V
6/5/2024 08:30:26	0.0 V	-190.0 V	-90 V
6/4/2024 08:52:51	0.0 V	-200.0 V	-90 V
6/4/2024 08:39:35	0.0 V	-200.0 V	-100 V
6/4/2024 08:33:37	0.0 V	-200.0 V	-100 V
6/3/2024 10:10:17	0.0 V	-200.0 V	-100 V
6/3/2024 09:51:43	0.0 V	-175.0 V	-100 V
6/3/2024 09:44:54	0.0 V	-175.0 V	-100 V
6/3/2024 09:30:49	0.0 V	-175.0 V	-100 V
5/31/2024 08:42:32	0.0 V	-200.0 V	-100 V
5/30/2024 09:08:46	0.0 V	-200.0 V	-100 V
5/29/2024 09:04:40	0.0 V	-200.0 V	-100 V
5/29/2024 08:48:40	0.0 V	-170.0 V	-80 V
5/29/2024 08:44:08	0.0 V	-170.0 V	-80 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
5/28/2024 09:34:37	0.0 V	-170.0 V	-80 V
5/24/2024 07:20:01	0.0 V	-200.0 V	-90 V
5/23/2024 10:25:13	0.0 V	-200.0 V	-90 V
5/22/2024 09:45:06	0.0 V	-200.0 V	-90 V
5/21/2024 09:06:58	0.0 V	-200.0 V	-90 V
5/21/2024 08:01:17	0.0 V	-200.0 V	-100 V
5/20/2024 17:22:27	0.0 V	-200.0 V	-100 V
5/20/2024 17:18:56	0.0 V	-200.0 V	-100 V
5/20/2024 09:20:56	0.0 V	-200.0 V	-100 V
5/17/2024 09:12:39	0.0 V	-200.0 V	-100 V
5/16/2024 08:56:23	0.0 V	-200.0 V	-100 V
5/15/2024 09:38:13	0.0 V	-200.0 V	-100 V
5/15/2024 09:21:01	0.0 V	-190.0 V	-90 V
5/14/2024 09:41:16	0.0 V	-190.0 V	-90 V
5/14/2024 09:04:40	0.0 V	-190.0 V	-90 V
5/13/2024 09:04:44	0.0 V	-190.0 V	-90 V
5/10/2024 08:57:17	0.0 V	-190.0 V	-90 V
5/9/2024 09:06:46	0.0 V	-190.0 V	-90 V
5/9/2024 08:50:21	0.0 V	-190.0 V	-90 V
5/9/2024 08:44:20	0.0 V	-190.0 V	-90 V
5/8/2024 09:39:10	0.0 V	-190.0 V	-90 V
5/7/2024 17:05:39	0.0 V	-195.0 V	-100 V
5/7/2024 16:48:43	0.0 V	-195.0 V	-100 V
5/7/2024 09:19:24	0.0 V	-195.0 V	-100 V
5/6/2024 09:15:59	0.0 V	-195.0 V	-100 V
5/6/2024 09:03:10	0.0 V	-195.0 V	-100 V
5/3/2024 09:11:06	0.0 V	-195.0 V	-100 V
5/2/2024 09:48:24	0.0 V	-190.0 V	-100 V
5/1/2024 09:22:54	0.0 V	-185.0 V	-100 V
4/30/2024 10:43:56	0.0 V	-185.0 V	-100 V
4/30/2024 08:17:01	0.0 V	-185.0 V	-100 V
4/29/2024 09:10:57	0.0 V	-185.0 V	-100 V
4/29/2024 08:57:45	0.0 V	-185.0 V	-100 V
4/26/2024 08:09:31	0.0 V	-185.0 V	-100 V
4/25/2024 09:37:51	0.0 V	-185.0 V	-100 V
4/24/2024 09:17:24	0.0 V	-195.0 V	-100 V
4/23/2024 22:46:11	0.0 V	-195.0 V	-100 V
4/23/2024 09:01:59	0.0 V	-195.0 V	-100 V
4/22/2024 10:16:34	0.0 V	-195.0 V	-100 V
4/19/2024 10:59:00	0.0 V	-200.0 V	-100 V
4/19/2024 10:07:48	0.0 V	-200.0 V	-110 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
4/19/2024 09:10:32	0.0 V	-180.0 V	-100 V
4/18/2024 09:24:23	0.0 V	-180.0 V	-100 V
4/17/2024 17:03:53	0.0 V	-180.0 V	-100 V
4/17/2024 16:22:27	0.0 V	-180.0 V	-100 V
4/17/2024 09:09:54	0.0 V	-180.0 V	-100 V
4/16/2024 09:06:44	0.0 V	-200.0 V	-100 V
4/15/2024 09:14:49	0.0 V	-200.0 V	-100 V
4/12/2024 08:28:21	0.0 V	-200.0 V	-100 V
4/11/2024 08:35:01	0.0 V	-200.0 V	-100 V
4/10/2024 09:48:58	0.0 V	-195.0 V	-100 V
4/9/2024 08:56:49	0.0 V	-195.0 V	-100 V
4/8/2024 09:25:48	0.0 V	-195.0 V	-100 V
4/5/2024 08:28:47	0.0 V	-195.0 V	-100 V
4/4/2024 11:00:01	0.0 V	-190.0 V	-90 V
4/4/2024 10:45:12	0.0 V	-200.0 V	-90 V
4/3/2024 08:29:42	0.0 V	-200.0 V	-90 V
4/2/2024 09:43:44	0.0 V	-195.0 V	-90 V
4/1/2024 09:27:15	0.0 V	-195.0 V	-90 V
3/29/2024 08:53:28	0.0 V	-195.0 V	-90 V
3/28/2024 09:08:20	0.0 V	-195.0 V	-90 V
3/27/2024 16:48:32	0.0 V	-195.0 V	-90 V
3/27/2024 10:07:18	0.0 V	-195.0 V	-90 V
3/27/2024 08:49:30	0.0 V	-195.0 V	-90 V
3/26/2024 10:28:06	0.0 V	-195.0 V	-90 V
3/25/2024 10:10:30	0.0 V	-200.0 V	-100 V
3/22/2024 09:00:45	0.0 V	-190.0 V	-100 V
3/21/2024 08:44:31	0.0 V	-190.0 V	-100 V
3/20/2024 09:03:42	0.0 V	-190.0 V	-100 V
3/19/2024 13:23:15	0.0 V	-190.0 V	-100 V
3/19/2024 09:31:32	0.0 V	-190.0 V	-100 V
3/18/2024 10:47:35	0.0 V	-190.0 V	-100 V
3/15/2024 09:19:25	0.0 V	-200.0 V	-90 V
3/14/2024 09:13:05	0.0 V	-200.0 V	-90 V
3/13/2024 09:22:30	0.0 V	-200.0 V	-90 V
3/12/2024 09:10:39	0.0 V	-200.0 V	-90 V
3/11/2024 11:07:32	0.0 V	-200.0 V	-90 V
3/11/2024 09:31:05	0.0 V	-195.0 V	-100 V
3/11/2024 09:27:33	0.0 V	-195.0 V	-100 V
3/8/2024 08:29:13	0.0 V	-200.0 V	-100 V
3/7/2024 17:46:09	0.0 V	-200.0 V	-100 V
3/7/2024 13:19:13	0.0 V	-200.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
3/7/2024 09:28:32	0.0 V	-200.0 V	-100 V
3/7/2024 09:11:32	0.0 V	-200.0 V	-100 V
3/7/2024 09:01:08	0.0 V	-200.0 V	-100 V
3/6/2024 10:19:40	0.0 V	-200.0 V	-100 V
3/5/2024 10:15:16	0.0 V	-200.0 V	-100 V
3/5/2024 10:09:01	0.0 V	-200.0 V	-100 V
3/4/2024 11:41:00	0.0 V	-200.0 V	-100 V
3/4/2024 11:28:21	0.0 V	-200.0 V	-100 V
3/1/2024 08:43:28	0.0 V	-200.0 V	-120 V
2/29/2024 10:38:23	0.0 V	-200.0 V	-120 V
2/29/2024 10:00:25	0.0 V	-160.0 V	-110 V
2/29/2024 09:54:15	0.0 V	-160.0 V	-110 V
2/28/2024 09:32:01	0.0 V	-200.0 V	-100 V
2/27/2024 09:16:47	0.0 V	-200.0 V	-100 V
2/26/2024 10:30:35	0.0 V	-200.0 V	-100 V
2/26/2024 10:00:21	0.0 V	-200.0 V	-110 V
2/23/2024 09:07:38	0.0 V	-200.0 V	-110 V
2/22/2024 08:58:48	0.0 V	-200.0 V	-110 V
2/21/2024 09:51:13	0.0 V	-200.0 V	-110 V
2/20/2024 09:59:52	0.0 V	-200.0 V	-110 V
2/19/2024 11:30:32	0.0 V	-200.0 V	-110 V
2/19/2024 11:27:00	0.0 V	-200.0 V	-110 V
2/19/2024 10:16:07	0.0 V	-200.0 V	-120 V
2/16/2024 10:28:26	0.0 V	-200.0 V	-120 V
2/15/2024 09:20:58	0.0 V	-200.0 V	-120 V
2/14/2024 09:20:12	0.0 V	-200.0 V	-120 V
2/13/2024 10:44:41	0.0 V	-200.0 V	-120 V
2/13/2024 10:29:18	0.0 V	-200.0 V	-120 V
2/12/2024 11:24:46	0.0 V	-200.0 V	-120 V
2/12/2024 11:09:08	0.0 V	-175.0 V	-120 V
2/12/2024 10:33:45	0.0 V	-175.0 V	-120 V
2/12/2024 10:19:52	0.0 V	-175.0 V	-120 V
2/12/2024 10:03:02	0.0 V	-200.0 V	-100 V
2/9/2024 09:43:26	0.0 V	-200.0 V	-100 V
2/8/2024 09:41:08	0.0 V	-200.0 V	-100 V
2/7/2024 09:08:34	0.0 V	-200.0 V	-100 V
2/6/2024 10:08:14	0.0 V	-200.0 V	-100 V
2/5/2024 16:27:35	0.0 V	-200.0 V	-120 V
2/2/2024 09:52:22	0.0 V	-200.0 V	-90 V
2/1/2024 09:29:20	0.0 V	-200.0 V	-90 V
1/31/2024 11:01:25	0.0 V	-200.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
1/31/2024 10:56:52	0.0 V	-200.0 V	-90 V
1/30/2024 09:04:33	0.0 V	-200.0 V	-90 V
1/29/2024 09:09:33	0.0 V	-200.0 V	-90 V
1/26/2024 10:08:59	0.0 V	-200.0 V	-90 V
1/25/2024 09:54:25	0.0 V	-200.0 V	-90 V
1/24/2024 08:52:40	0.0 V	-200.0 V	-90 V
1/23/2024 11:08:41	0.0 V	-200.0 V	-90 V
1/22/2024 09:17:23	0.0 V	-200.0 V	-90 V
1/22/2024 09:06:26	0.0 V	-200.0 V	-100 V
1/19/2024 09:01:45	0.0 V	-200.0 V	-100 V
1/18/2024 10:29:20	0.0 V	-200.0 V	-100 V
1/17/2024 08:52:45	0.0 V	-200.0 V	-100 V
1/16/2024 14:09:54	0.0 V	-200.0 V	-100 V
1/16/2024 13:58:35	0.0 V	-200.0 V	-100 V
1/16/2024 13:45:11	0.0 V	-200.0 V	-100 V
1/15/2024 13:03:28	0.0 V	-200.0 V	-120 V
1/15/2024 10:46:25	0.0 V	-200.0 V	-120 V
1/15/2024 10:34:05	0.0 V	-200.0 V	-120 V
1/15/2024 10:25:28	0.0 V	-200.0 V	-120 V
1/15/2024 09:48:32	0.0 V	-200.0 V	-120 V
1/15/2024 09:32:45	0.0 V	-200.0 V	-120 V
1/11/2024 14:10:39	0.0 V	-200.0 V	-120 V
1/11/2024 14:00:32	0.0 V	-200.0 V	-120 V
1/11/2024 13:07:14	0.0 V	-200.0 V	-120 V
1/11/2024 12:18:32	0.0 V	-200.0 V	-120 V
1/11/2024 10:36:51	0.0 V	-200.0 V	-120 V
1/11/2024 10:28:26	0.0 V	-185.0 V	-110 V
1/11/2024 09:11:58	0.0 V	-155.0 V	-100 V
1/11/2024 09:02:27	0.0 V	-150.0 V	-80 V
1/11/2024 08:54:00	0.0 V	-150.0 V	-80 V
1/10/2024 09:10:40	0.0 V	-200.0 V	-90 V
1/9/2024 12:58:05	0.0 V	-200.0 V	-120 V
1/9/2024 12:49:35	0.0 V	-200.0 V	-120 V
1/9/2024 12:37:33	0.0 V	-165.0 V	-100 V
1/9/2024 12:22:55	0.0 V	-165.0 V	-100 V
1/9/2024 12:00:03	0.0 V	-165.0 V	-100 V
1/9/2024 11:54:42	0.0 V	-165.0 V	-100 V
1/9/2024 11:45:17	0.0 V	-165.0 V	-100 V
1/9/2024 11:40:53	0.0 V	-165.0 V	-100 V
1/9/2024 11:25:08	0.0 V	-165.0 V	-100 V
1/9/2024 11:20:04	0.0 V	-165.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
1/8/2024 13:49:37	0.0 V	-200.0 V	-100 V
1/8/2024 12:34:48	0.0 V	-140.0 V	-80 V
1/8/2024 12:30:18	0.0 V	-140.0 V	-80 V
1/5/2024 09:35:49	0.0 V	-180.0 V	-80 V
1/4/2024 09:13:21	0.0 V	-170.0 V	-80 V
1/4/2024 09:00:57	0.0 V	-160.0 V	-80 V
1/3/2024 08:46:17	0.0 V	-200.0 V	-100 V
1/2/2024 11:16:48	0.0 V	-200.0 V	-90 V
1/2/2024 10:38:17	0.0 V	-200.0 V	-100 V
12/29/2023 10:12:49	0.0 V	-200.0 V	-100 V
12/28/2023 08:59:35	0.0 V	-200.0 V	-90 V
12/27/2023 12:20:02	0.0 V	-200.0 V	-90 V
12/27/2023 11:34:32	0.0 V	-200.0 V	-90 V
12/27/2023 10:51:04	0.0 V	-200.0 V	-90 V
12/27/2023 10:41:08	0.0 V	-200.0 V	-90 V
12/27/2023 10:33:50	0.0 V	-200.0 V	-90 V
12/27/2023 10:28:28	0.0 V	-200.0 V	-90 V
12/22/2023 07:49:52	0.0 V	-195.0 V	-90 V
12/21/2023 08:44:43	0.0 V	-200.0 V	-90 V
12/20/2023 09:26:41	0.0 V	-200.0 V	-100 V
12/19/2023 09:55:37	0.0 V	-200.0 V	-100 V
12/18/2023 10:16:18	0.0 V	-200.0 V	-100 V
12/18/2023 10:06:38	0.0 V	-185.0 V	-90 V
12/18/2023 10:00:26	0.0 V	-185.0 V	-90 V
12/15/2023 09:45:55	0.0 V	-200.0 V	-90 V
12/14/2023 10:23:15	0.0 V	-200.0 V	-90 V
12/13/2023 10:17:40	0.0 V	-200.0 V	-90 V
12/12/2023 09:56:00	0.0 V	-200.0 V	-90 V
12/11/2023 10:31:48	0.0 V	-200.0 V	-90 V
12/8/2023 10:10:39	0.0 V	-200.0 V	-100 V
12/7/2023 09:51:50	0.0 V	-190.0 V	-80 V
12/6/2023 10:12:37	0.0 V	-200.0 V	-100 V
12/5/2023 10:02:14	0.0 V	-200.0 V	-80 V
12/4/2023 12:08:53	0.0 V	-180.0 V	-90 V
12/4/2023 11:24:17	0.0 V	-145.0 V	-70 V
12/4/2023 11:20:06	0.0 V	-145.0 V	-70 V
12/4/2023 11:16:06	0.0 V	-145.0 V	-70 V
12/4/2023 10:23:39	0.0 V	-145.0 V	-70 V
12/4/2023 10:16:55	0.0 V	-170.0 V	-90 V
12/4/2023 10:09:27	0.0 V	-145.0 V	-70 V
12/1/2023 09:45:19	0.0 V	-155.0 V	-80 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
11/30/2023 11:48:17	0.0 V	-155.0 V	-80 V
11/30/2023 11:13:01	0.0 V	-150.0 V	-80 V
11/30/2023 11:05:44	0.0 V	-160.0 V	-90 V
11/30/2023 10:33:46	0.0 V	-170.0 V	-90 V
11/29/2023 10:04:26	0.0 V	-195.0 V	-100 V
11/29/2023 09:51:22	0.0 V	-190.0 V	-80 V
11/28/2023 12:50:37	0.0 V	-200.0 V	-80 V
11/28/2023 12:18:55	0.0 V	-175.0 V	-80 V
11/28/2023 12:15:04	0.0 V	-175.0 V	-80 V
11/28/2023 11:49:24	0.0 V	-170.0 V	-80 V
11/28/2023 10:22:53	0.0 V	-165.0 V	-80 V
11/28/2023 10:19:03	0.0 V	-165.0 V	-80 V
11/28/2023 10:15:20	0.0 V	-165.0 V	-80 V
11/28/2023 09:59:37	0.0 V	-170.0 V	-70 V
11/27/2023 10:28:48	0.0 V	-165.0 V	-80 V
11/27/2023 10:07:16	0.0 V	-185.0 V	-100 V
11/27/2023 10:01:25	0.0 V	-185.0 V	-100 V
11/27/2023 09:52:06	0.0 V	-185.0 V	-100 V
11/22/2023 09:50:47	0.0 V	-155.0 V	-80 V
11/21/2023 09:52:05	0.0 V	-155.0 V	-80 V
11/20/2023 09:38:08	0.0 V	-150.0 V	-80 V
11/17/2023 10:07:38	0.0 V	-175.0 V	-90 V
11/16/2023 09:42:56	0.0 V	-180.0 V	-90 V
11/15/2023 13:01:45	0.0 V	-170.0 V	-90 V
11/15/2023 12:33:52	0.0 V	-175.0 V	-90 V
11/15/2023 12:27:35	0.0 V	-175.0 V	-90 V
11/15/2023 12:17:35	0.0 V	-175.0 V	-90 V
11/15/2023 12:09:42	0.0 V	-170.0 V	-90 V
11/15/2023 10:39:09	0.0 V	-175.0 V	-90 V
11/14/2023 10:25:03	0.0 V	-200.0 V	-90 V
11/13/2023 09:42:07	0.0 V	-200.0 V	-90 V
11/10/2023 09:15:37	0.0 V	-200.0 V	-90 V
11/9/2023 09:55:52	0.0 V	-200.0 V	-90 V
11/8/2023 09:55:56	0.0 V	-200.0 V	-100 V
11/7/2023 10:07:52	0.0 V	-200.0 V	-120 V
11/7/2023 10:01:12	0.0 V	-195.0 V	-90 V
11/7/2023 09:55:11	0.0 V	-195.0 V	-90 V
11/6/2023 10:21:52	0.0 V	-200.0 V	-100 V
11/3/2023 09:44:39	0.0 V	-200.0 V	-120 V
11/2/2023 09:56:11	0.0 V	-200.0 V	-90 V
11/1/2023 09:41:33	0.0 V	-195.0 V	-90 V

Internal Standards

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_240826E

CCV Name: CAL BLANK

Run No: 93902

CCV SeqNo: 1961328

Lab File ID (Standard): 003CALB.d

Date Analyzed: 8/26/2024

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 13:08

GC Column: ID (mm): Length (M):

		IS1 Lithium 6 AREA #	RT #	IS2 Scandium AREA #	RT #	IS3 Germanium AREA #	RT #	IS4 Indium AREA #	RT #
	12 HOUR STD	1609681.45	0.000	189046.05	0.000	133139.38	0.000	1529018.84	0.000
	UPPER LIMIT	8048407.25	1.000	945230.25	1.000	665696.9	1.000	7645094.2	1.000
	LOWER LIMIT	482904	-1.000	56714	-1.000	39942	-1.000	458706	-1.000
	SAMPLE NO.								
01	ICV	1.63475e+006	0	189042	0	131077	0	1.42679e+006	0
02	ICSA	1.53077e+006	0	187685	0	130243	0	1.4365e+006	0
03	CCV-A	1.19941e+006	0	194969	0	140074	0	1.52612e+006	0
04	CCB-A	1.18087e+006	0	194824	0	138336	0	1.56521e+006	0
05	MB-44989	1.21042e+006	0	191735	0	140714	0	1.59696e+006	0
06	LCS-44989	1.30401e+006	0	192579	0	140423	0	1.56194e+006	0
07	2408401-001A	800526	0	214357	0	135324	0	1.46884e+006	0
08	2408401-001ADUP	447124 *	0	225998	0	142942	0	1.48237e+006	0
09	2408401-001AMS	390101 *	0	226202	0	144958	0	1.45977e+006	0
10	2408401-001AMSD	389675 *	0	226518	0	143720	0	1.45971e+006	0
11	2408401-001AMSDIL	433838 *	0	196938	0	138409	0	1.53922e+006	0
12	2408401-001APDS	429754 *	0	229844	0	142100	0	1.51077e+006	0
13	2408287-005A	676845	0	192232	0	135518	0	1.36103e+006	0
14	2408288-001A	842044	0	213806	0	151736	0	1.44652e+006	0
15	CCV-B	993775	0	194753	0	138988	0	1.4862e+006	0
16	CCB-B	957020	0	185101	0	133510	0	1.49922e+006	0
17	MB-44989	1.12794e+006	0	190085	0	138553	0	1.52841e+006	0
18	2408288-001A	1.07485e+006	0	201782	0	139043	0	1.46682e+006	0
19	2408401-001A	868894	0	182197	0	130527	0	1.42751e+006	0
20	2408401-001AMS	638499	0	179788	0	127297	0	1.41257e+006	0
21	2408401-001AMSD	609950	0	180262	0	127940	0	1.44919e+006	0
22	2408401-001AMSDIL	672557	0	177165	0	129699	0	1.37937e+006	0
23	2408401-001APDS	636504	0	178788	0	127433	0	1.42667e+006	0
24	CCV-C	766877	0	178165	0	130393	0	1.43872e+006	0
25	CCB-C	830231	0	182321	0	131424	0	1.48439e+006	0
26	2408288-001A	1.08214e+006	0	194876	0	139415	0	1.46e+006	0
27	CCV-D	1.11659e+006	0	194384	0	138219	0	1.42804e+006	0
28	CCB-D	1.05043e+006	0	196265	0	139022	0	1.46102e+006	0
29	2408312-001C	1.0394e+006	0	191568	0	136798	0	1.43802e+006	0
30	2408312-002C	1.135e+006	0	193291	0	137312	0	1.46723e+006	0
31	2408312-003C	983523	0	191832	0	138524	0	1.48054e+006	0
32	2408312-004C	1.02377e+006	0	194566	0	139158	0	1.45282e+006	0
33	2408344-001A	872887	0	190302	0	134945	0	1.26997e+006	0
34	2408344-002A	1.57119e+006	0	221910	0	156379	0	1.62238e+006	0
35	2408346-001C	1.49324e+006	0	216596	0	152365	0	1.6469e+006	0
36	2408346-002C	1.43927e+006	0	208682	0	147436	0	1.58948e+006	0
37	2408391-017B	1.31993e+006	0	207084	0	144567	0	1.48856e+006	0
38	2408391-018B	1.27157e+006	0	200184	0	143163	0	1.46755e+006	0
39	CCV-F	1.19253e+006	0	194411	0	139935	0	1.53773e+006	0
40	CCB-F	1.20786e+006	0	190345	0	137543	0	1.5634e+006	0

RunID: ICP-MS 2 AGILENT 7850_240826E

CCV Name: CAL BLANK

Run No: 93902

CCV SeqNo: 1961328

Lab File ID (Standard): 003CALB.d

Date Analyzed: 8/26/2024

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 13:08

GC Column: ID (mm): Length (M):

41	2408391-019B	1.15053e+006	0	199307	0	139495	0	1.44107e+006	0
42	2408391-020B	1.15938e+006	0	199659	0	143938	0	1.49251e+006	0
43	CCV-G	1.24506e+006	0	196195	0	141002	0	1.54401e+006	0
44	CCB-G	1.13928e+006	0	194925	0	139068	0	1.5328e+006	0

IS1 Lithium 6 = Lithium 6
IS2 Scandium = Scandium
IS3 Germanium = Germanium
IS4 Indium = Indium

AREA UPPER LIMIT = +400% of internal standard area
AREA LOWER LIMIT = -70% of internal standard area
RT UPPER LIMIT = +1.00 minutes of internal standard RT
RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

RunID: ICP-MS 2 AGILENT 7850_240826E

CCV Name: CAL BLANK

Run No: 93902

CCV SeqNo: 1961328

Lab File ID (Standard): 003CALB.d

Date Analyzed: 8/26/2024

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 13:08

GC Column: ID (mm): Length (M):

		IS5 Terbium AREA #	RT #						
	12 HOUR STD	3783565.58	0.000						
	UPPER LIMIT	18917827.9	1.000						
	LOWER LIMIT	1135070	-1.000						
	SAMPLE NO.								
01	ICV	3.82032e+006	0						
02	ICSA	3.68171e+006	0						
03	CCV-A	3.9867e+006	0						
04	CCB-A	3.90601e+006	0						
05	MB-44989	3.88946e+006	0						
06	LCS-44989	4.00041e+006	0						
07	2408401-001A	3.9587e+006	0						
08	2408401-001ADUP	4.10027e+006	0						
09	2408401-001AMS	3.90573e+006	0						
10	2408401-001AMSD	3.86732e+006	0						
11	2408401-001AMSDIL	3.98419e+006	0						
12	2408401-001APDS	3.92109e+006	0						
13	2408287-005A	3.3946e+006	0						
14	2408288-001A	3.77941e+006	0						
15	CCV-B	3.79546e+006	0						
16	CCB-B	3.71568e+006	0						
17	MB-44989	3.7686e+006	0						
18	2408288-001A	3.8795e+006	0						
19	2408401-001A	3.72331e+006	0						
20	2408401-001AMS	3.78311e+006	0						
21	2408401-001AMSD	3.66624e+006	0						
22	2408401-001AMSDIL	3.68041e+006	0						
23	2408401-001APDS	3.72115e+006	0						
24	CCV-C	3.76035e+006	0						
25	CCB-C	3.78055e+006	0						
26	2408288-001A	3.75591e+006	0						
27	CCV-D	3.72621e+006	0						
28	CCB-D	3.82704e+006	0						
29	2408312-001C	3.71159e+006	0						
30	2408312-002C	3.61304e+006	0						
31	2408312-003C	3.72348e+006	0						
32	2408312-004C	3.73879e+006	0						
33	2408344-001A	3.15203e+006	0						
34	2408344-002A	3.75375e+006	0						
35	2408346-001C	3.87256e+006	0						
36	2408346-002C	3.89281e+006	0						
37	2408391-017B	3.79261e+006	0						
38	2408391-018B	3.72354e+006	0						
39	CCV-F	3.84428e+006	0						
40	CCB-F	3.68285e+006	0						

RunID: ICP-MS 2 AGILENT 7850_240826E

Run No: 93902

Lab File ID (Standard): 003CALB.d

Instrument ID: ICP-MS 2 Agilent 7850

GC Column: ID (mm):

CCV Name: CAL BLANK

CCV SeqNo: 1961328

Date Analyzed: 8/26/2024

Time Analyzed: 13:08

Length (M):

41	2408391-019B	3.70618e+006	0					
42	2408391-020B	3.73679e+006	0					
43	CCV-G	3.76598e+006	0					
44	CCB-G	3.86943e+006	0					

IS5 Terbium = Terbium

AREA UPPER LIMIT = +400% of internal standard area
AREA LOWER LIMIT = -70% of internal standard area
RT UPPER LIMIT = +1.00 minutes of internal standard RT
RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_240826E

CCV Name: CAL BLANK

Run No: 93902

CCV SeqNo: 1961928

Lab File ID (Standard): 025CALB.d

Date Analyzed: 8/27/2024

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 10:15

GC Column: ID (mm): Length (M):

		IS1 Lithium 6 AREA #	RT #	IS2 Scandium AREA #	RT #	IS3 Germanium AREA #	RT #	IS4 Indium AREA #	RT #
	12 HOUR STD	1115241.71	0.000	251581.05	0.000	175206.08	0.000	1770440.64	0.000
	UPPER LIMIT	5576208.55	1.000	1257905.25	1.000	876030.4	1.000	8852203.2	1.000
	LOWER LIMIT	334573	-1.000	75474	-1.000	52562	-1.000	531132	-1.000
	SAMPLE NO.								
01	ICV	1.29098e+006	0	248793	0	168553	0	1.77645e+006	0
02	ICSA	1.3131e+006	0	240999	0	164703	0	1.6466e+006	0
03	CCV-A	1.7503e+006	0	233756	0	165359	0	1.83168e+006	0
04	CCB-A	1.71645e+006	0	228107	0	162425	0	1.87443e+006	0
05	MB-44989	1.43451e+006	0	206258	0	151106	0	1.7686e+006	0
06	2408346-001C	1.37299e+006	0	202668	0	149083	0	1.66266e+006	0
07	2408346-002C	1.39927e+006	0	203142	0	151126	0	1.69421e+006	0
08	CCV-B	1.4244e+006	0	218393	0	155616	0	1.66276e+006	0
09	CCB-B	1.4211e+006	0	216867	0	154822	0	1.69616e+006	0
10	2408344-001A	1.53478e+006	0	223251	0	157224	0	1.77335e+006	0
11	2408344-002A	1.50413e+006	0	222830	0	159179	0	1.78638e+006	0
12	2408344-003A	1.40998e+006	0	222951	0	156814	0	1.71728e+006	0
13	CCV-C	1.77463e+006	0	234423	0	167172	0	1.86494e+006	0
14	CCB-C	1.7665e+006	0	236691	0	164956	0	1.84168e+006	0
15	2408344-003A	1.86485e+006	0	230943	0	162151	0	1.7636e+006	0
16	CCV-D	1.79711e+006	0	233280	0	163873	0	1.86863e+006	0
17	CCB-D	1.73265e+006	0	230854	0	163554	0	1.82235e+006	0

IS1 Lithium 6 = Lithium 6

IS2 Scandium = Scandium

IS3 Germanium = Germanium

IS4 Indium = Indium

AREA UPPER LIMIT = +400% of internal standard area

AREA LOWER LIMIT = -70% of internal standard area

RT UPPER LIMIT = +1.00 minutes of internal standard RT

RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_240826E

CCV Name: CAL BLANK

Run No: 93902

CCV SeqNo: 1961928

Lab File ID (Standard): 025CALB.d

Date Analyzed: 8/27/2024

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 10:15

GC Column: ID (mm): Length (M):

		IS5 Terbium AREA #	RT #						
	12 HOUR STD	3986983	0.000						
	UPPER LIMIT	19934915	1.000						
	LOWER LIMIT	1196095	-1.000						
	SAMPLE NO.								
01	CCV-A	4.28087e+006	0						
02	CCB-A	4.30289e+006	0						
03	ICV	4.05538e+006	0						
04	ICSA	3.95193e+006	0						
05	MB-44989	4.13043e+006	0						
06	2408346-001C	4.1273e+006	0						
07	2408346-002C	3.99922e+006	0						
08	CCV-B	4.2172e+006	0						
09	CCB-B	4.09265e+006	0						
10	2408344-001A	4.09822e+006	0						
11	2408344-002A	4.07984e+006	0						
12	2408344-003A	4.12531e+006	0						
13	CCV-C	4.31325e+006	0						
14	CCB-C	4.35803e+006	0						
15	2408344-003A	4.35467e+006	0						
16	CCV-D	4.14636e+006	0						
17	CCB-D	4.24622e+006	0						

IS5 Terbium = Terbium

AREA UPPER LIMIT = +400% of internal standard area
AREA LOWER LIMIT = -70% of internal standard area
RT UPPER LIMIT = +1.00 minutes of internal standard RT
RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Supporting Data

3010A Total Metals in Water Prep Bench Sheet

Analyst:	Carmen Gomez
Date and Time:	8/26/2021
Batch:	94986

Equipment	
Thermometer:	85
Thermometer CF:	-.1
Hot Block:	10
Pipette:	42 46 36
Other:	

Spikes / Chemicals / Reagents	Omega ID	Amount Used	Final Volume
Metals Water Spike	30157	1.0 mL	
EAL-STD-2	29587	0.5 mL	
500 ppb Hg Standard	30256	0.25 mL	
Concentrated Nitric Acid	8818	0.5 mL	
1:1 HCl	7686	0.5 mL	
50mL Tubes	8342		
10mL Tubes	8342		
pH Strips	30197		
Metals Spike (PDS)	30157	0.2 mL	
EAL-STD-2 (PDS)	29587	0.1 mL	
500 ppb Hg Standard (PDS)	30256	0.05 mL	

Notes/Modifications

344 13 24

Unpreservable

344-34
339116-2
Preservable
diluted more
initially
pH
KEEP

Digestion Time/Temp.		
Time START:	10:47	
Time STOP:	2:00	
	Observed	Plus CF
Temp. IN:	91.8	91.4
Temp. OUT:	91.6	91.2
Time START:		
Time STOP:		
	Observed	Plus CF
Temp. IN:		
Temp. OUT:		

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date
	CG 8/26/2021

Samples verified pH < 2	Initial/Date
	CG 8/26/2021

Dilutions

Sample ID	Dilution Description
374 1A 24	2x digest
288	5X
344 13MA	~~10X~~ 4 62 10 ml vial
	CG
	8/26/21

Sign and date below if you contributed to the preparation of this batch

Carmen Gomez 8/26/2021

Fremont Analytical, Inc

PREP BATCH REPORT

Prep Start Date: **8/26/2024 10:28:12**
Prep End Date:
Technician: **Cammeo Gaviota**

Prep Factor Units:
mL / mL

Prep Batch ID: **44989** Prep Code: **PREP-3010-TW** Method No: **SW3010A**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-44989		Aqueous	50	50	1.000	8/26/2024	Preliminary
LCS-44989		Aqueous	50	50	1.000	8/26/2024	Preliminary
2408401-001A	6011 SA	Water	50	50	1.000	8/26/2024	Preliminary
2408401-001ADUP		Water	50	50	1.000	8/26/2024	Preliminary
2408401-001AMS		Water	50	50	1.000	8/26/2024	Preliminary
2408401-001AMSDIL		Water	50	50	1.000	8/26/2024	Preliminary
2408401-001AMSD		Water	50	50	1.000	8/26/2024	Preliminary
2408401-001APDS		Water	50	50	1.000	8/26/2024	Preliminary
2408287-005A	SHOP-MW-1	Water	50	50	1.000	8/26/2024	Preliminary
2408288-001A	Market Place OWS	Sludge	50	50	1.000	8/26/2024	Preliminary
2408312-001C	GEI-11_082024	Water	50	50	1.000	8/26/2024	Preliminary
2408312-002C	GEI-12_082024	Water	50	50	1.000	8/26/2024	Preliminary
2408312-003C	GEI-13_082024	Water	50	50	1.000	8/26/2024	Preliminary
2408312-004C	Dup_082024	Water	50	50	1.000	8/26/2024	Preliminary
2408344-001A	Ticad Filter Containme	Wastewater	50	50	1.000	8/26/2024	Preliminary
2408344-002A	Cad Plating Water #1	Wastewater	50	50	1.000	8/26/2024	Preliminary
2408344-003A	Cad Plating Water #2	Wastewater	50	50	1.000	8/26/2024	Preliminary
2408346-001C	GEI-1	Water	50	50	1.000	8/26/2024	Preliminary
2408346-002C	GEI-2	Water	50	50	1.000	8/26/2024	Preliminary
2408391-017B	MW2	Water	50	50	1.000	8/26/2024	Preliminary
2408391-018B	MW3	Water	50	50	1.000	8/26/2024	Preliminary
2408391-019B	MW4	Water	50	50	1.000	8/26/2024	Preliminary
2408391-020B	MW5	Water	50	50	1.000	8/26/2024	Preliminary

Fremont Analytical, Inc

PREP BATCH REPORT

Prep Start Date: **8/26/2024 10:28:12**
Prep End Date: **8/26/2024 3:44:57 P**
Technician: **Cammeo Gaviota**

Prep Factor Units: **mL / mL**

Prep Batch ID: **44989** Prep Code: **PREP-3010-TW** Method No: **SW3010A**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-44989		Aqueous	50	50	1.000	8/26/2024	8/26/2024
LCS-44989		Aqueous	50	50	1.000	8/26/2024	8/26/2024
2408401-001A	6011 SA	Water	50	50	1.000	8/26/2024	8/26/2024
2408401-001ADUP		Water	50	50	1.000	8/26/2024	8/26/2024
2408401-001AMS		Water	50	50	1.000	8/26/2024	8/26/2024
2408401-001AMSDIL		Water	50	50	1.000	8/26/2024	8/26/2024
2408401-001AMSD		Water	50	50	1.000	8/26/2024	8/26/2024
2408401-001APDS		Water	50	50	1.000	8/26/2024	8/26/2024
2408287-005A	SHOP-MW-1	Water	50	50	1.000	8/26/2024	8/26/2024
2408288-001A	Market Place OWS	Sludge	50	50	1.000	8/26/2024	8/26/2024
2408312-001C	GEI-11_082024	Water	50	50	1.000	8/26/2024	8/26/2024
2408312-002C	GEI-12_082024	Water	50	50	1.000	8/26/2024	8/26/2024
2408312-003C	GEI-13_082024	Water	50	50	1.000	8/26/2024	8/26/2024
2408312-004C	Dup_082024	Water	50	50	1.000	8/26/2024	8/26/2024
2408344-001A	Ticad Filter Containme	Wastewater	25	50	2.000	8/26/2024	8/26/2024
2408344-002A	Cad Plating Water #1	Wastewater	25	50	2.000	8/26/2024	8/26/2024
2408344-003A	Cad Plating Water #2	Wastewater	25	50	2.000	8/26/2024	8/26/2024
2408346-001C	GEI-1	Water	50	50	1.000	8/26/2024	8/26/2024
2408346-002C	GEI-2	Water	50	50	1.000	8/26/2024	8/26/2024
2408391-017B	MW2	Water	50	50	1.000	8/26/2024	8/26/2024
2408391-018B	MW3	Water	50	50	1.000	8/26/2024	8/26/2024
2408391-019B	MW4	Water	50	50	1.000	8/26/2024	8/26/2024
2408391-020B	MW5	Water	50	50	1.000	8/26/2024	8/26/2024

Reporting Checklist

Analyst: Melanie
Workorder(s): 2408401, 287, 288
Date: 08/26/2024
Prep #: 44989
Run(s) #: 93902
Analysis: M-6020-TW

Y/N		Reviewed
N	**Run complete? (i.e., all QC, samples, dilutions present)**	✔
N	**All QC within limits?** ____ Exceedances acceptable per QA Manual and/or Auth'd by PM____?	✔

☐CCV out ☐LCS out ☑MS out ☑Blank hits ☐IS/surr out ☑RPD out
☐Hold time ☐Other_____

B-flags for Cd, digested new MB and B-flags were resolved

Y	Any pending dilutions, re-extracts, or reanalysis to be completed in future run?	
N/A	**Manual entries/narratives reviewed for accuracy? (note below)** Analyst: Reviewer:	
✔	**Omega checks performed?**	✔
✔	SampID, Test Code, Type, Prep	
✔	PMOIST, pH	
✔	BLKref, SPKref, RPDref, CCVref	
✔	Attachments	✔
	☐Sequence ☐Cgrams ☑Bench Sheets ☐Perf Checks ☑Tech Doc	
✔	Related Info	✔
	☐ICAL Ref ☐ICAL Ack/QA'd? ☑Spiking Info/CCV Std ☐_____	
✔	Reporting Checks	✔
	☐Dilutions data/narr redundancy check ☐RLs OK (low wt, high pmoist, dilutions)	

Notes for Reviewer

By signing, I attest that I have followed the SOP

Melanie Esparza 08/26/2024
Analyst Date

MG 8/26/2024
Reviewer Date

DATA SET for Review - Deliverable Requirements

Volatile Organic Compounds by EPA 8260D

Fremont Analytical Work Order No. 2408312

GeoEngineers

Project Name: 701/709 South Jackson

Project Number: 24504-001-04

This data set contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information
- Internal Standards Report

Injection Log

Data Directory: D:\GC-19\Data\081524\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	081501.D	8260_90to1.M			
R		O-VOC-W		1.000	15 Aug 2024 09:10 am
2)	081502.D	8260_90to1.M			
VOC W CCV A		O-VOC-W	1	1.000	15 Aug 2024 09:43 am
3)	081503.D	8260_90to1.M			
VOC S CCV A		O-VOC-W	2	1.000	15 Aug 2024 10:16 am
4)	081504.D	8260_90to1.M			
GX CCV A		O-VOC-W	3	1.000	15 Aug 2024 10:49 am
5)	081505.D	8260_90to1.M			
R		O-VOC-W		1.000	15 Aug 2024 11:21 am
6)	081506.D	8260_90to1.M			
R		O-VOC-W		1.000	15 Aug 2024 03:32 pm
7)	081507.D	8260_90to1.M			
MB S		O-VOC-S	4	1.000	15 Aug 2024 04:05 pm
8)	081508.D	8260_90to1.M			
2408199-001B		O-VOC-S	5	1.000	15 Aug 2024 04:38 pm
9)	081509.D	8260_90to1.M			
2408199-002B 0.5X		O-VOC-S	6	1.000	15 Aug 2024 05:11 pm
10)	081510.D	8260_90to1.M			
2408199-003B		O-VOC-S	7	1.000	15 Aug 2024 05:44 pm
11)	081511.D	8260_90to1.M			
2408222-001B		O-VOC-S	8	1.000	15 Aug 2024 06:17 pm
12)	081512.D	8260_90to1.M			
2408222-001BDUP		O-VOC-S	9	1.000	15 Aug 2024 06:50 pm
13)	081513.D	8260_90to1.M			
2408222-002B 0.5X		O-VOC-S	10	1.000	15 Aug 2024 07:23 pm
14)	081514.D	8260_90to1.M			
2408222-009B 0.5X		O-VOC-S	11	1.000	15 Aug 2024 07:56 pm
15)	081515.D	8260_90to1.M			
2408222-004B		O-VOC-S	13	1.000	15 Aug 2024 08:29 pm
16)	081516.D	8260_90to1.M			
2408222-004BDUP		O-VOC-S	14	1.000	15 Aug 2024 09:03 pm
17)	081517.D	8260_90to1.M			
R		O-VOC-S		1.000	15 Aug 2024 09:34 pm
18)	081518.D	8260_90to1.M			
VOC S CCV B		O-VOC-S	15	1.000	15 Aug 2024 10:07 pm
19)	081519.D	8260_90to1.M			
GX CCV B		O-VOC-S	16	1.000	15 Aug 2024 10:40 pm
20)	081520.D	8260_90to1.M			
R		O-VOC-S		1.000	15 Aug 2024 11:12 pm
21)	081521.D	8260_90to1.M			
2408222-003B		O-VOC-S	12	1.000	15 Aug 2024 11:45 pm

22) 081522.D 8260_90to1.M
2408222-005B O-VOC-S 17 1.000 16 Aug 2024 12:18 am
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23) 081523.D 8260_90to1.M
2408222-006B O-VOC-S 18 1.000 16 Aug 2024 12:51 am
---
24) 081524.D 8260_90to1.M
2408222-007B O-VOC-S 19 1.000 16 Aug 2024 01:24 am
---
25) 081525.D 8260_90to1.M
2408222-008B O-VOC-S 20 1.000 16 Aug 2024 01:58 am
---
26) 081526.D 8260_90to1.M
2408222-010B O-VOC-S 21 1.000 16 Aug 2024 02:31 am
---
27) 081527.D 8260_90to1.M
2408222-011B O-VOC-S 22 1.000 16 Aug 2024 03:04 am
---
28) 081528.D 8260_90to1.M
2408222-012B O-VOC-S 23 1.000 16 Aug 2024 03:37 am
---
29) 081529.D 8260_90to1.M
2408222-013B O-VOC-S 24 1.000 16 Aug 2024 04:10 am
---
30) 081530.D 8260_90to1.M
2408222-014B O-VOC-S 25 1.000 16 Aug 2024 04:43 am
---
31) 081531.D 8260_90to1.M
2408222-015B O-VOC-S 26 1.000 16 Aug 2024 05:16 am
---
32) 081532.D 8260_90to1.M
2408222-016B O-VOC-S 27 1.000 16 Aug 2024 05:49 am
---
33) 081533.D 8260_90to1.M
2408186-001B 10X O-VOC-S 28 1.000 16 Aug 2024 06:22 am
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34) 081534.D 8260_90to1.M
R O-VOC-S 1.000 16 Aug 2024 06:54 am
---
35) 081535.D 8260_90to1.M
2408222-003BMS VOC O-VOC-S 29 1.000 16 Aug 2024 07:27 am
---
36) 081536.D 8260_90to1.M
2408222-005BMS GX O-VOC-S 30 1.000 16 Aug 2024 08:00 am
---
37) 081537.D 8260_90to1.M
R O-VOC-S 1.000 16 Aug 2024 08:32 am
---
38) 081538.D 8260_90to1.M
VOC S CCV C O-VOC-S 31 1.000 16 Aug 2024 09:05 am
---
39) 081539.D 8260_90to1.M
GX CCV C O-VOC-S 32 1.000 16 Aug 2024 09:38 am
---
40) 081540.D 8260_90to1.M
R O-VOC-S 1.000 16 Aug 2024 10:09 am
---
41) 081541.D 8260_90to1.M
2408186-001B 10X RR O-VOC-S 33 1.000 16 Aug 2024 10:48 am
---
42) 081542.D 8260_90to1.M
R O-VOC-S 1.000 16 Aug 2024 11:19 am
---
43) 081543.D 8260_90to1.M
GX CCV D O-VOC-S 34 1.000 16 Aug 2024 11:52 am
---
44) 081544.D 8260_90to1.M
R O-VOC-S 1.000 16 Aug 2024 02:36 pm
---
45) 081545.D 8260_90to1.M

MB O-VOC-GX-W 35 1.000 16 Aug 2024 03:09 pm

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46) 081546.D 8260_90to1.M
GX W 25 O-VOC-GX-W 36 1.000 16 Aug 2024 03:42 pm

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47) 081547.D 8260_90to1.M
GX S 25 O-VOC-GX-W 37 1.000 16 Aug 2024 04:15 pm

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48) 081548.D 8260_90to1.M
GX W 50 O-VOC-GX-W 38 1.000 16 Aug 2024 04:48 pm

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49) 081549.D 8260_90to1.M
GX S 50 O-VOC-GX-W 39 1.000 16 Aug 2024 05:21 pm

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50) 081550.D 8260_90to1.M
GX CCV D O-VOC-GX-W 40 1.000 16 Aug 2024 05:54 pm

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51) 081551.D 8260_90to1.M
R O-VOC-GX-W 1.000 16 Aug 2024 06:26 pm

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52) 081552.D 8260_90to1.M
R O-VOC-GX-W 1.000 16 Aug 2024 06:58 pm

---

53) 081553.D 8260_90to1.M
R O-VOC-GX-W 1.000 16 Aug 2024 07:29 pm

---

54) 081554.D 8260_90to1.M
R O-VOC-GX-W 1.000 16 Aug 2024 08:01 pm

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55) 081555.D 8260_90to1.M
VOC S ICAL 1 O-VOC-S 41 1.000 16 Aug 2024 08:34 pm

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56) 081556.D 8260_90to1.M
VOC S ICAL 2 O-VOC-S 42 1.000 16 Aug 2024 09:07 pm

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57) 081557.D 8260_90to1.M
VOC S ICAL 3 O-VOC-S 43 1.000 16 Aug 2024 09:40 pm

---

58) 081558.D 8260_90to1.M
VOC S ICAL 4 O-VOC-S 44 1.000 16 Aug 2024 10:13 pm

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59) 081559.D 8260_90to1.M
VOC S ICAL 5 O-VOC-S 45 1.000 16 Aug 2024 10:46 pm

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60) 081560.D 8260_90to1.M
VOC S ICAL 6 O-VOC-S 46 1.000 16 Aug 2024 11:20 pm

---

61) 081561.D 8260_90to1.M
VOC S ICAL 7 O-VOC-S 47 1.000 16 Aug 2024 11:53 pm

---

62) 081562.D 8260_90to1.M
VOC S ICAL 8 O-VOC-S 48 1.000 17 Aug 2024 12:26 am

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63) 081563.D 8260_90to1.M
R O-VOC-S 1.000 17 Aug 2024 12:57 am

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64) 081564.D 8260_90to1.M
R O-VOC-S 1.000 17 Aug 2024 01:29 am

---

65) 081565.D 8260_90to1.M
R O-VOC-S 1.000 17 Aug 2024 02:01 am

---

66) 081566.D 8260_90to1.M
ICB O-VOC-S 49 1.000 17 Aug 2024 02:34 am

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67) 081567.D 8260_90to1.M
ICV O-VOC-S 50 1.000 17 Aug 2024 03:07 am

---

68) 081568.D 8260_90to1.M
R O-VOC-S 1.000 17 Aug 2024 03:39 am

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 69) 081903.D              8260_90to1.M
VOC S ICV RR         O-VOC-W               52    1.000     19 Aug 2024  10:08 am
 70) 081905.D              8260_90to1.M
VOC S CCV            O-VOC-W               56    1.000     19 Aug 2024  11:14 am
```

Injection Log

Data Directory: D:\GC-19\Data\082124\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	081989.D	8260_90to1.M			
VOC W CCV D		O-VOC-W	34	1.000	21 Aug 2024 08:37 am
2)	081990.D	8260_90to1.M			
GX CCV F		O-VOC-W	35	1.000	21 Aug 2024 09:10 am
3)	081991.D	8260_90to1.M			
R		O-VOC-W		1.000	21 Aug 2024 09:41 am
4)	081992.D	8260_90to1.M			
MB W		O-VOC-W	37	1.000	21 Aug 2024 10:14 am
5)	082101.D	8260_90to1.M			
R		O-VOC-W		1.000	21 Aug 2024 10:52 am
6)	082102.D	8260_90to1.M			
2408312-005A TB		O-VOC-W	1	1.000	21 Aug 2024 11:25 am
7)	082103.D	8260_90to1.M			
2408246-001A		O-VOC-W	2	1.000	21 Aug 2024 11:58 am
8)	082104.D	8260_90to1.M			
2408246-002A		O-VOC-W	3	1.000	21 Aug 2024 12:31 pm
9)	082105.D	8260_90to1.M			
2408246-003A		O-VOC-W	4	1.000	21 Aug 2024 01:04 pm
10)	082106.D	8260_90to1.M			
2408246-004A		O-VOC-W	5	1.000	21 Aug 2024 01:37 pm
11)	082107.D	8260_90to1.M			
2408246-005A		O-VOC-W	6	1.000	21 Aug 2024 02:10 pm
12)	082108.D	8260_90to1.M			
2408246-006A		O-VOC-W	7	1.000	21 Aug 2024 02:43 pm
13)	082109.D	8260_90to1.M			
2408246-007A		O-VOC-W	8	1.000	21 Aug 2024 03:16 pm
14)	082110.D	8260_90to1.M			
2408246-008A		O-VOC-W	9	1.000	21 Aug 2024 03:49 pm
15)	082111.D	8260_90to1.M			
2408312-001A		O-VOC-W	10	1.000	21 Aug 2024 04:22 pm
16)	082112.D	8260_90to1.M			
2408312-001ADUP		O-VOC-W	11	1.000	21 Aug 2024 04:56 pm
17)	082113.D	8260_90to1.M			
2408312-002A GHOST KJ 8/28/24		O-VOC-W	12	1.000	21 Aug 2024 05:13 pm
18)	082114.D	8260_90to1.M			
2408312-003A 002A KJ 8/28/24		O-VOC-W	13	1.000	21 Aug 2024 05:30 pm
19)	082115.D	8260_90to1.M			
2408312-004A 003A KJ 8/28/24		O-VOC-W	14	1.000	21 Aug 2024 06:03 pm
20)	082116.D	8260_90to1.M			
2408312-002AMS voc 004A KJ 8/28/24		O-VOC-W	15	1.000	21 Aug 2024 06:36 pm
21)	082117.D	8260_90to1.M			
2408312-003AMS gx 002AMS VOC KJ 8/28/24		O-VOC-W	16	1.000	21 Aug 2024 07:09 pm

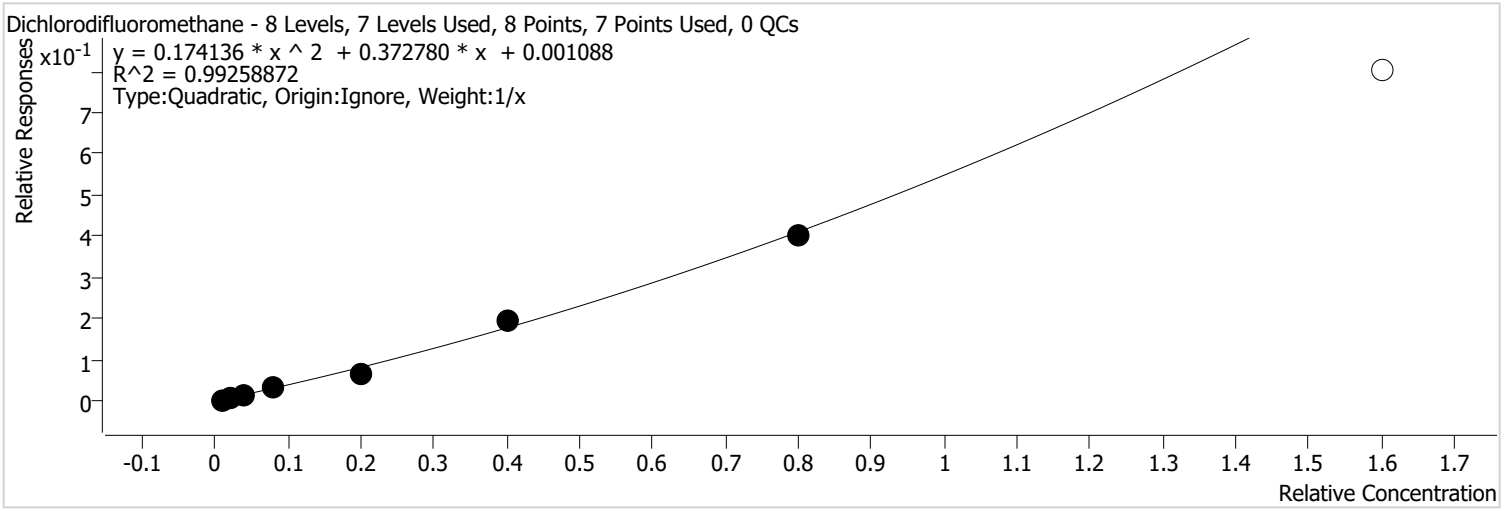
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 22) 082118.D              8260_90to1.M
R  2408312-003AMS GX  O-VOC-W                      1.000     21 Aug 2024  07:42 pm
KJ 8/28/24 ------------------------------------------------------------------------
 23) 082119.D              8260_90to1.M
GX CCV A  R           O-VOC-W                17    1.000     21 Aug 2024  08:14 pm
KJ 8/28/24 ------------------------------------------------------------------------
 24) 082120.D              8260_90to1.M
R  GX CCV             O-VOC-W                      1.000     21 Aug 2024  08:47 pm
KJ 8/28/24 ------------------------------------------------------------------------
```

Calibration

Calibration Report

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:01 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

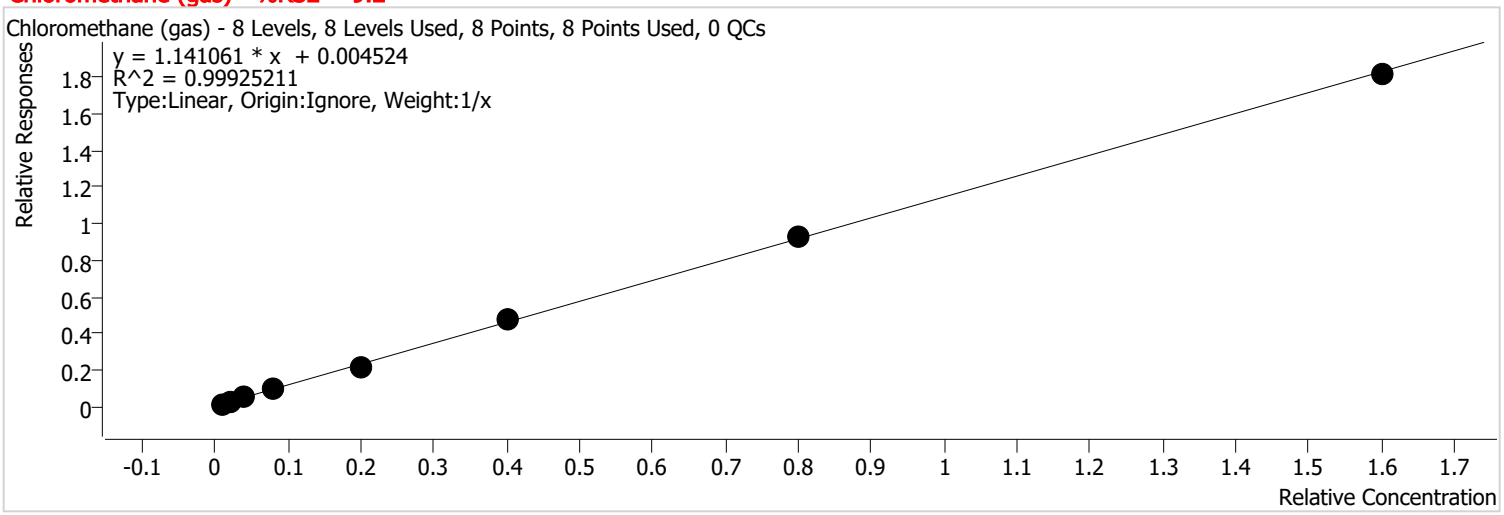
Dichlorodifluoromethane %RSE = 11.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	2676	0.2000	0.4935	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	6468	0.5000	0.4545	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	12416	1.0000	0.4345	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	22672	2.0000	0.3991	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	47883	5.0000	0.3369	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	141465	10.0000	0.4958	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	306286	20.0000	0.5055	
D:\GC-19\Data\081524\081562.D	Calibration	8		595844	40.0000	0.5008	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Chloromethane (gas) %RSE = 9.2

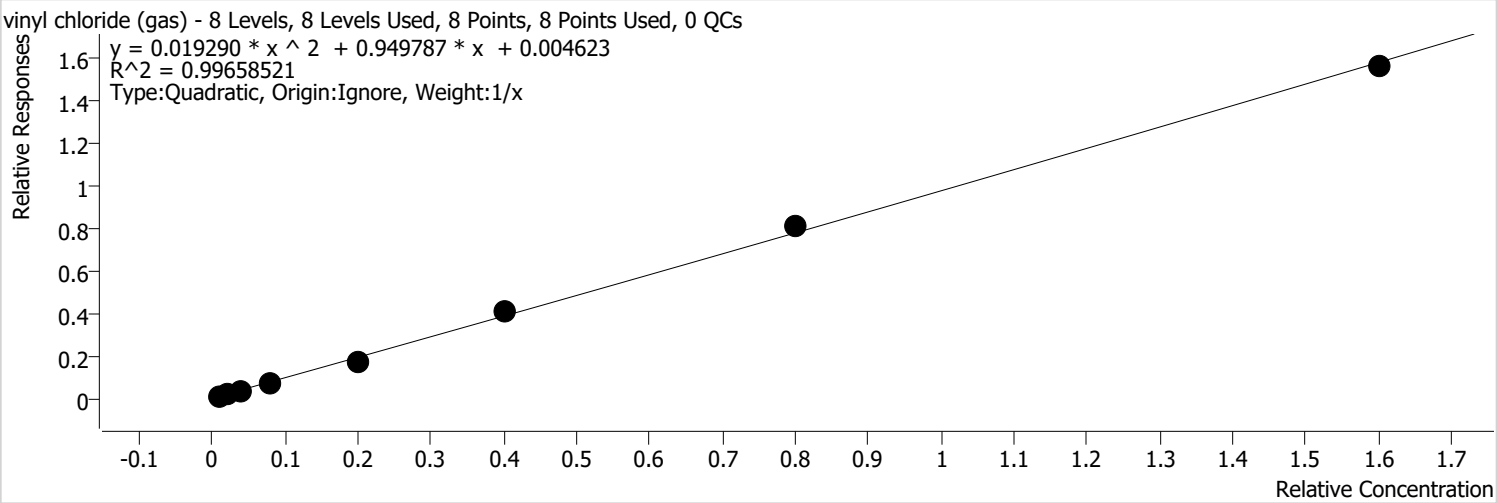


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	10376	0.2000	1.9138	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	17847	0.5000	1.2541	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	34003	1.0000	1.1899	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	66492	2.0000	1.1704	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	157272	5.0000	1.1065	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	342012	10.0000	1.1987	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	706124	20.0000	1.1653	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1348695	40.0000	1.1335	

Calibration Report

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

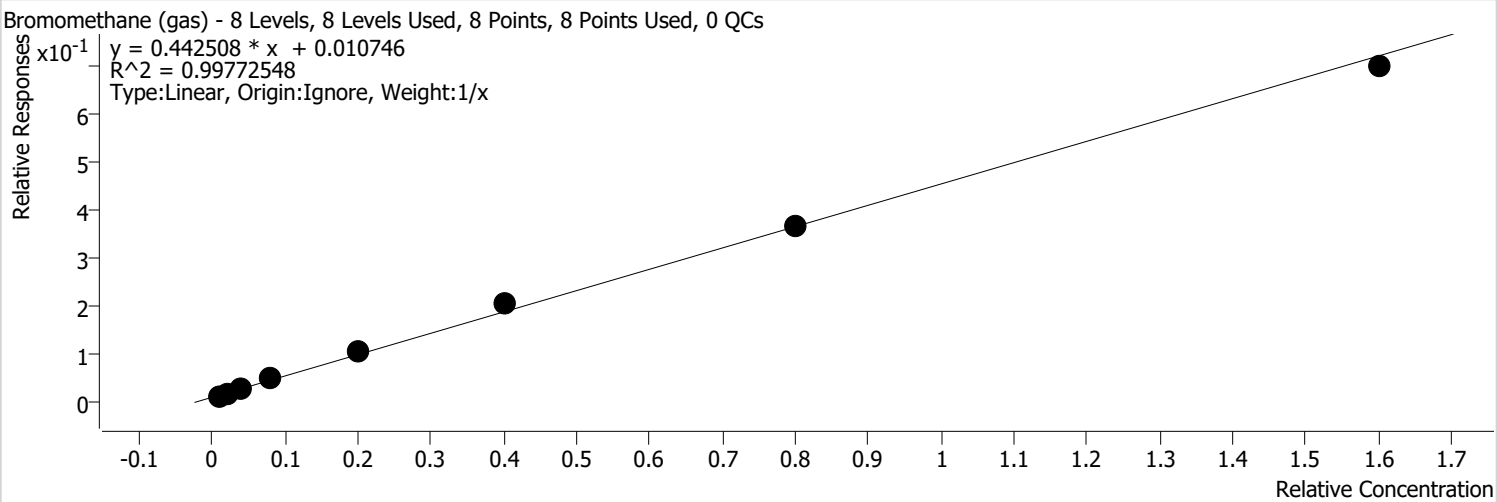
vinyl chloride (gas) %RSE = 21.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	10352	0.2000	1.9093	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	14934	0.5000	1.0494	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	27425	1.0000	0.9597	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	51807	2.0000	0.9119	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	120065	5.0000	0.8448	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	291493	10.0000	1.0217	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	616294	20.0000	1.0171	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1155498	40.0000	0.9711	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

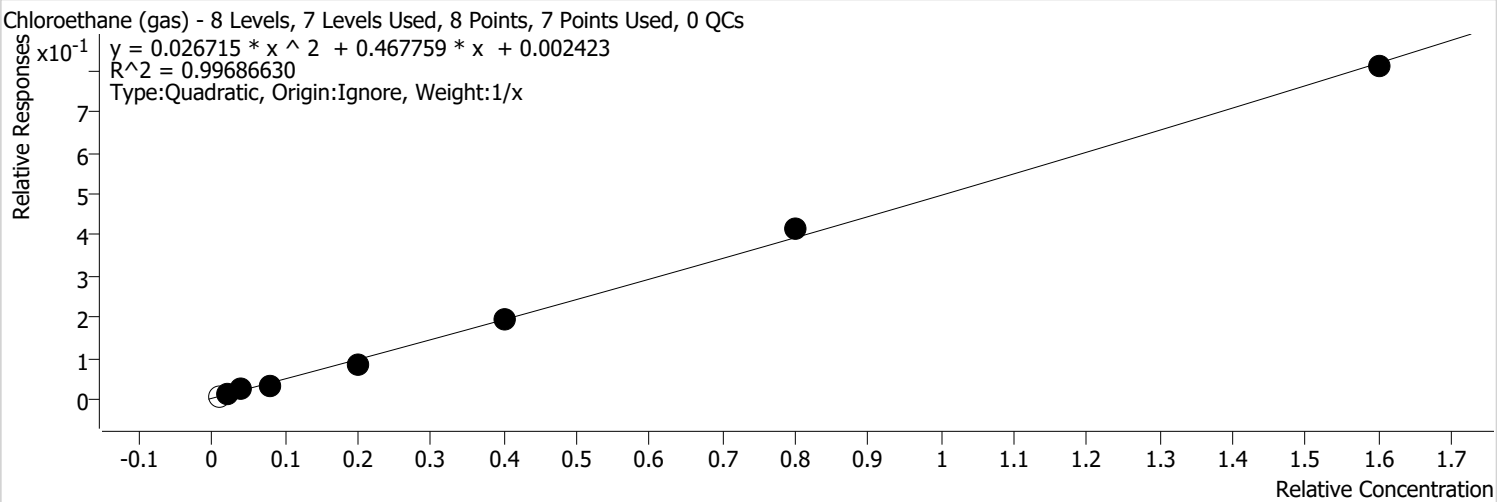
Bromomethane (gas) %RSE = 8.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	9391	0.2000	1.7321	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	13386	0.5000	0.9406	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	20553	1.0000	0.7192	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	34492	2.0000	0.6071	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	74751	5.0000	0.5259	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	145471	10.0000	0.5099	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	275288	20.0000	0.4543	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	517886	40.0000	0.4352	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

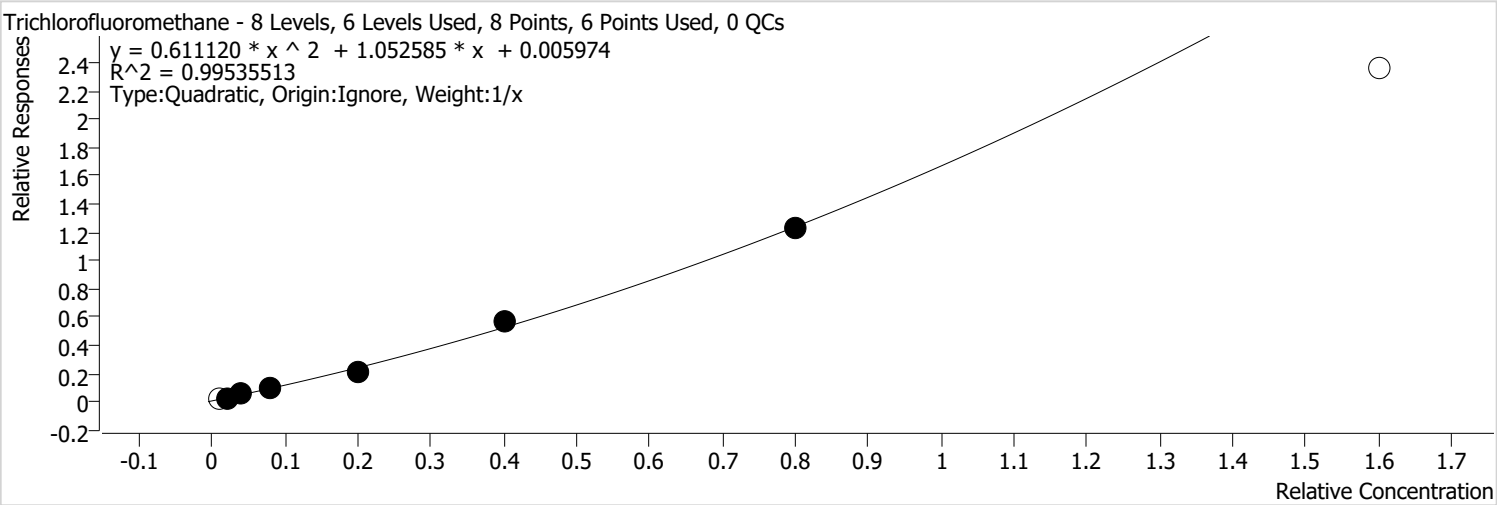
Chloroethane (gas) %RSE = 14.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		5693	0.2000	1.0499	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	8392	0.5000	0.5897	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	17964	1.0000	0.6286	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	24899	2.0000	0.4383	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	59947	5.0000	0.4218	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	140067	10.0000	0.4909	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	313378	20.0000	0.5172	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	602603	40.0000	0.5064	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

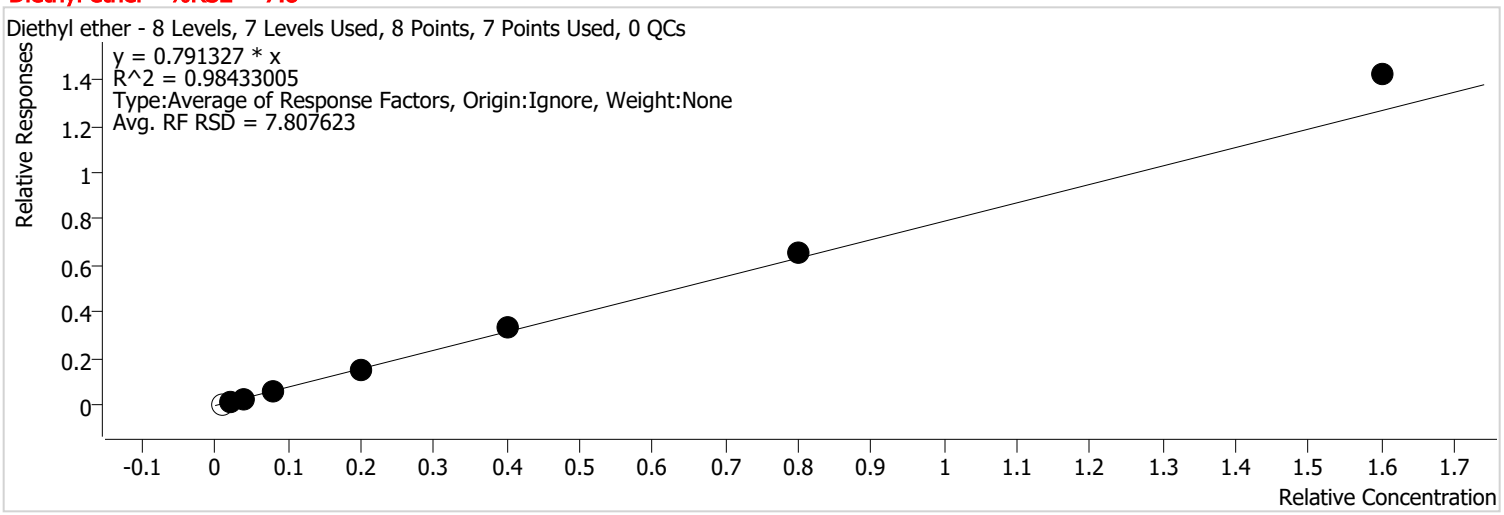
Trichlorofluoromethane %RSE = 9.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		19392	0.2000	3.5766	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	19781	0.5000	1.3900	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	36821	1.0000	1.2885	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	65595	2.0000	1.1546	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	147670	5.0000	1.0390	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	407891	10.0000	1.4296	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	927052	20.0000	1.5299	
D:\GC-19\Data\081524\081562.D	Calibration	8		1754260	40.0000	1.4743	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

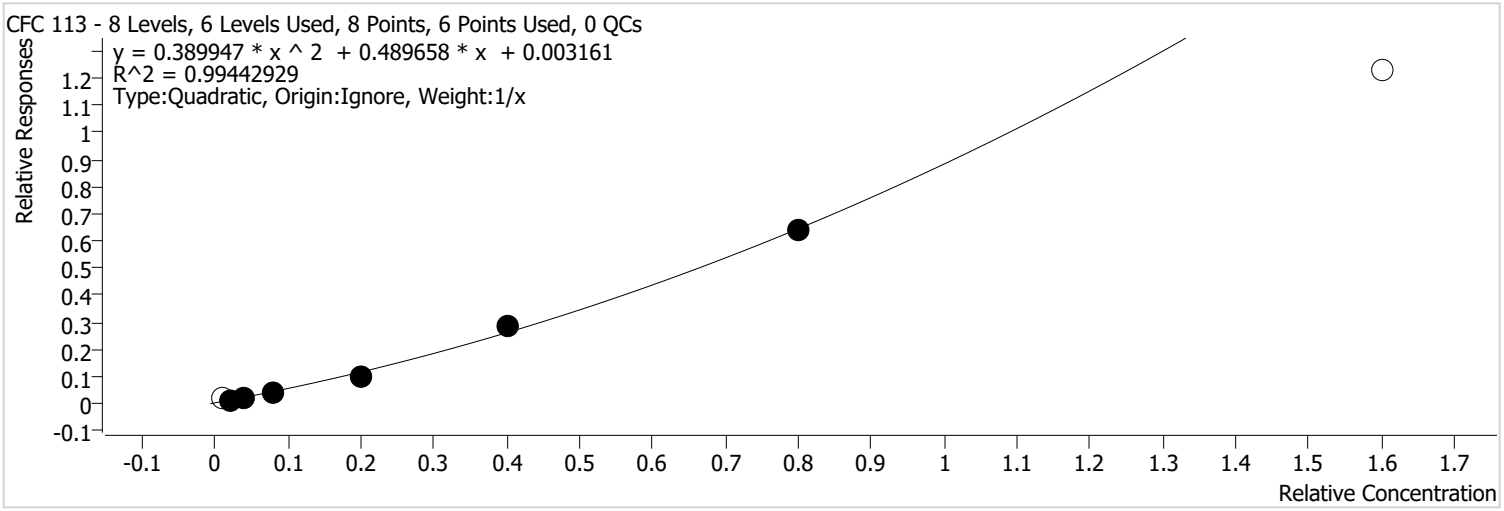
Diethyl ether %RSE = 7.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		5235	0.2000	0.9654	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	11305	0.5000	0.7944	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	21399	1.0000	0.7488	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	40156	2.0000	0.7068	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	106314	5.0000	0.7480	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	239174	10.0000	0.8383	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	494026	20.0000	0.8153	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1056245	40.0000	0.8877	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

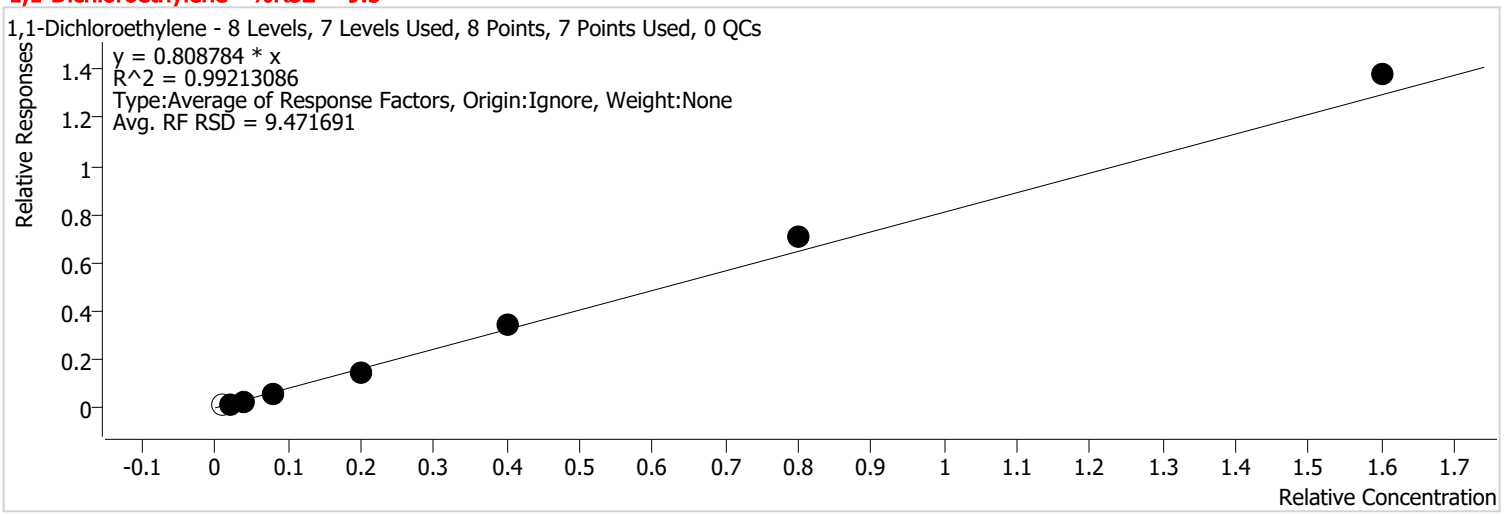
CFC 113 %RSE = 12.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		11140	0.2000	2.0546	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	10178	0.5000	0.7152	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	15999	1.0000	0.5599	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	31813	2.0000	0.5600	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	70000	5.0000	0.4925	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	205632	10.0000	0.7207	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	481412	20.0000	0.7945	
D:\GC-19\Data\081524\081562.D	Calibration	8		912243	40.0000	0.7667	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

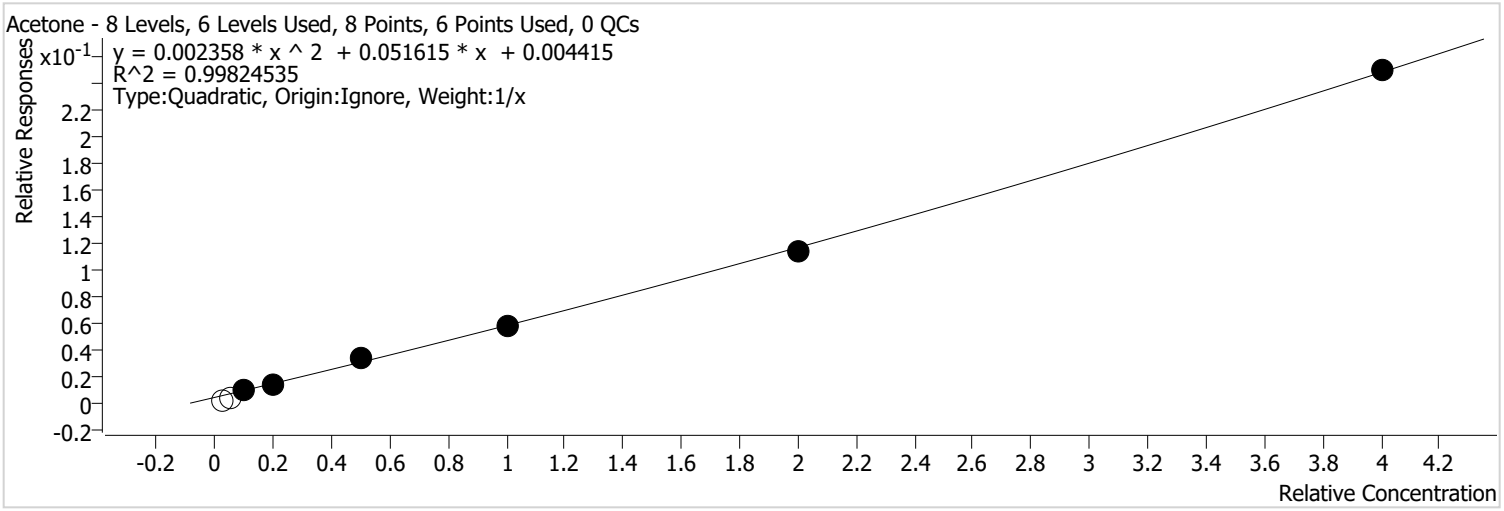
1,1-Dichloroethylene %RSE = 9.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		11501	0.2000	2.1211	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	12290	0.5000	0.8636	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	21011	1.0000	0.7352	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	41883	2.0000	0.7372	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	101125	5.0000	0.7115	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	246520	10.0000	0.8640	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	538754	20.0000	0.8891	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1024193	40.0000	0.8608	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

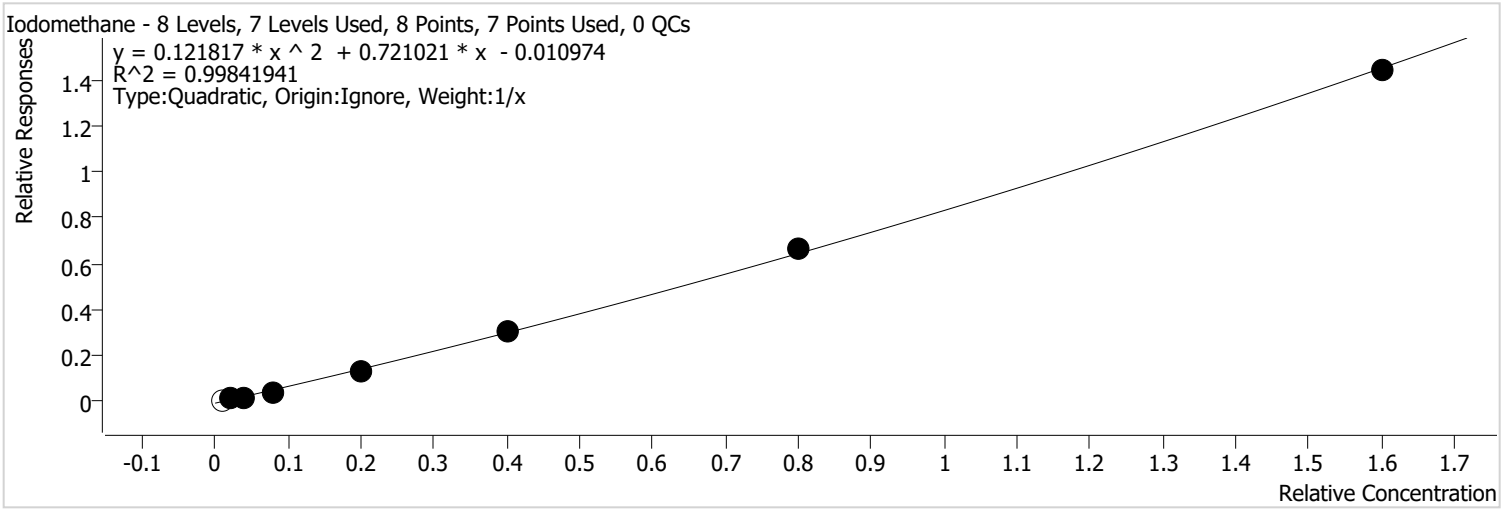
Acetone %RSE = 11.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		1728	0.5000	0.1275	
D:\GC-19\Data\081524\081556.D	Calibration	2		3078	1.2500	0.0865	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	7059	2.5000	0.0988	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	9434	5.0000	0.0664	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	24044	12.5000	0.0677	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	41750	25.0000	0.0585	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	86321	50.0000	0.0570	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	185781	100.0000	0.0625	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

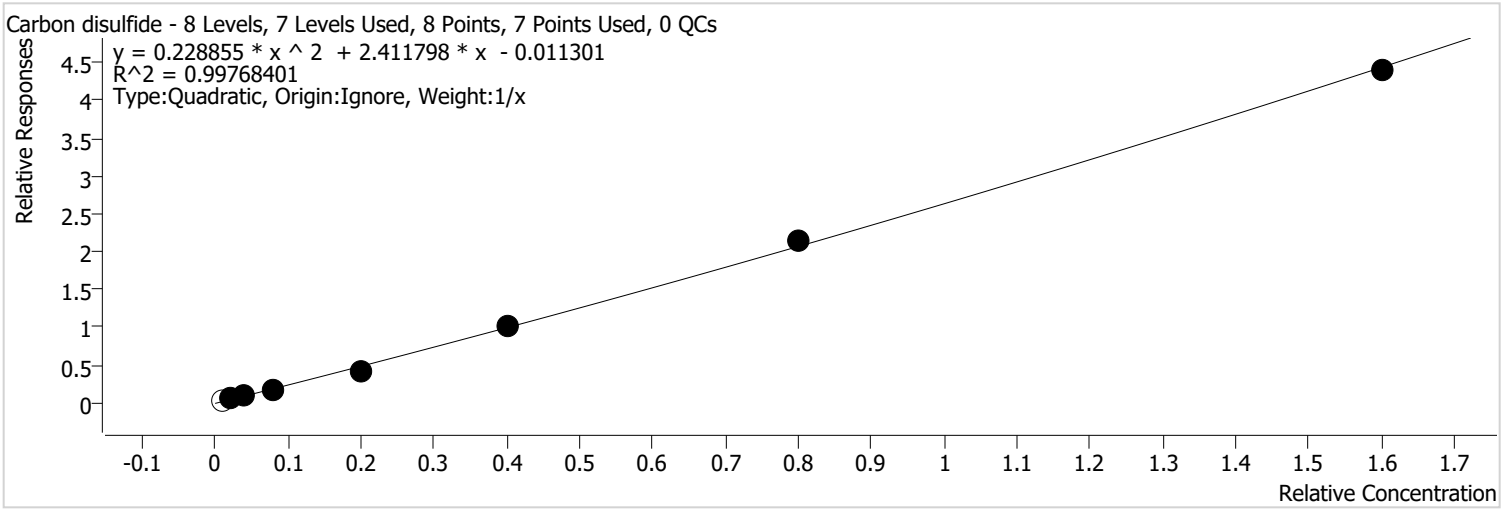
Iodomethane %RSE = 14.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		2615	0.2000	0.4824	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	4962	0.5000	0.3487	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	11391	1.0000	0.3986	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	28097	2.0000	0.4945	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	89127	5.0000	0.6271	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	217770	10.0000	0.7633	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	504255	20.0000	0.8322	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1073437	40.0000	0.9021	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

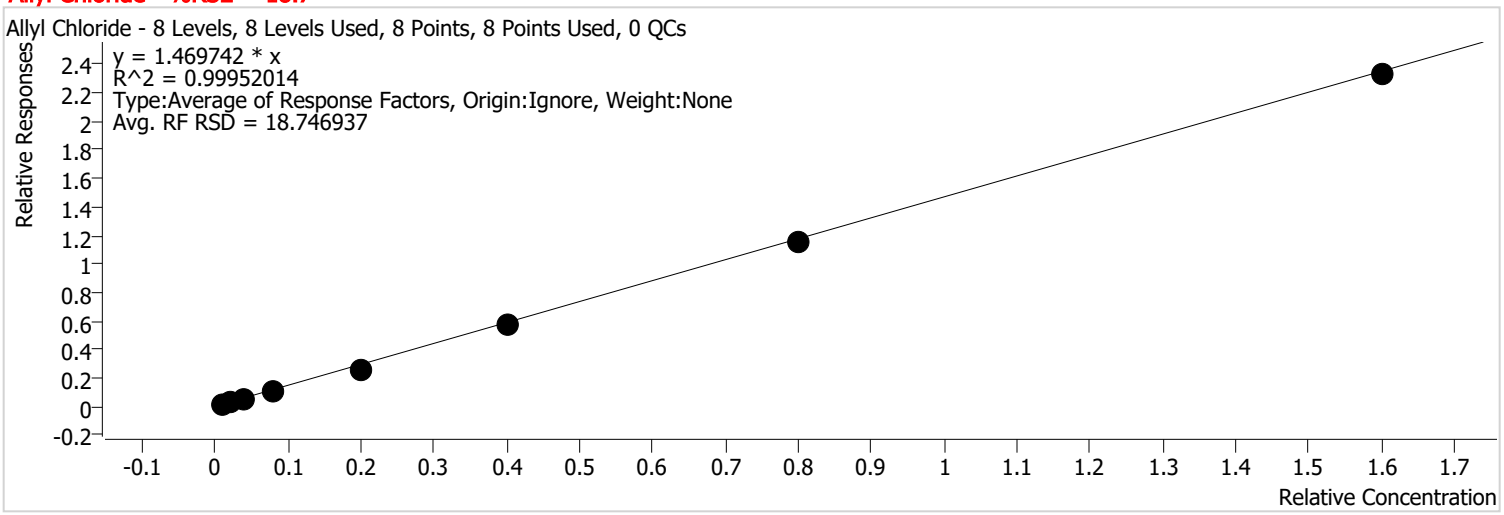
Carbon disulfide %RSE = 12.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		25016	0.2000	4.6138	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	32297	0.5000	2.2695	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	60607	1.0000	2.1208	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	117162	2.0000	2.0622	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	293489	5.0000	2.0650	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	727494	10.0000	2.5498	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	1633563	20.0000	2.6959	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	3264059	40.0000	2.7432	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

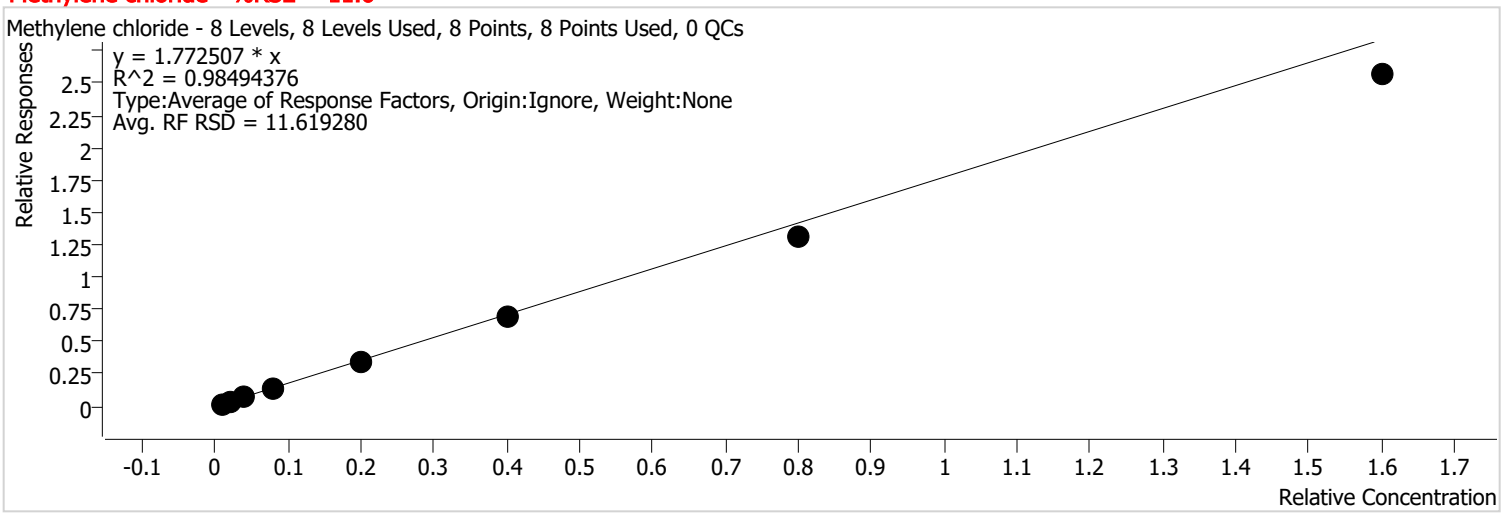
Allyl Chloride %RSE = 18.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	11534	0.2000	2.1272	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	19749	0.5000	1.3877	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	36403	1.0000	1.2739	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	74403	2.0000	1.3096	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	185337	5.0000	1.3040	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	413346	10.0000	1.4487	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	880029	20.0000	1.4523	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1730623	40.0000	1.4545	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

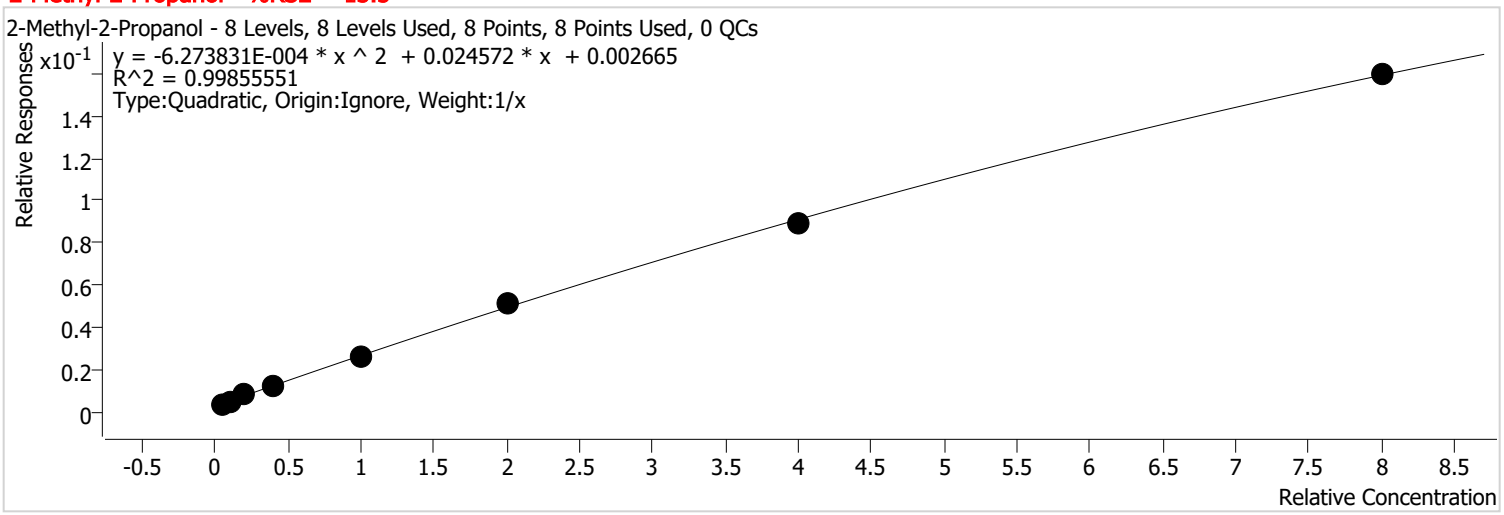
Methylene chloride %RSE = 11.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	12265	0.2000	2.2620	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	25444	0.5000	1.7879	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	49873	1.0000	1.7452	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	96844	2.0000	1.7046	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	241463	5.0000	1.6989	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	494244	10.0000	1.7323	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	997314	20.0000	1.6459	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1907649	40.0000	1.6032	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

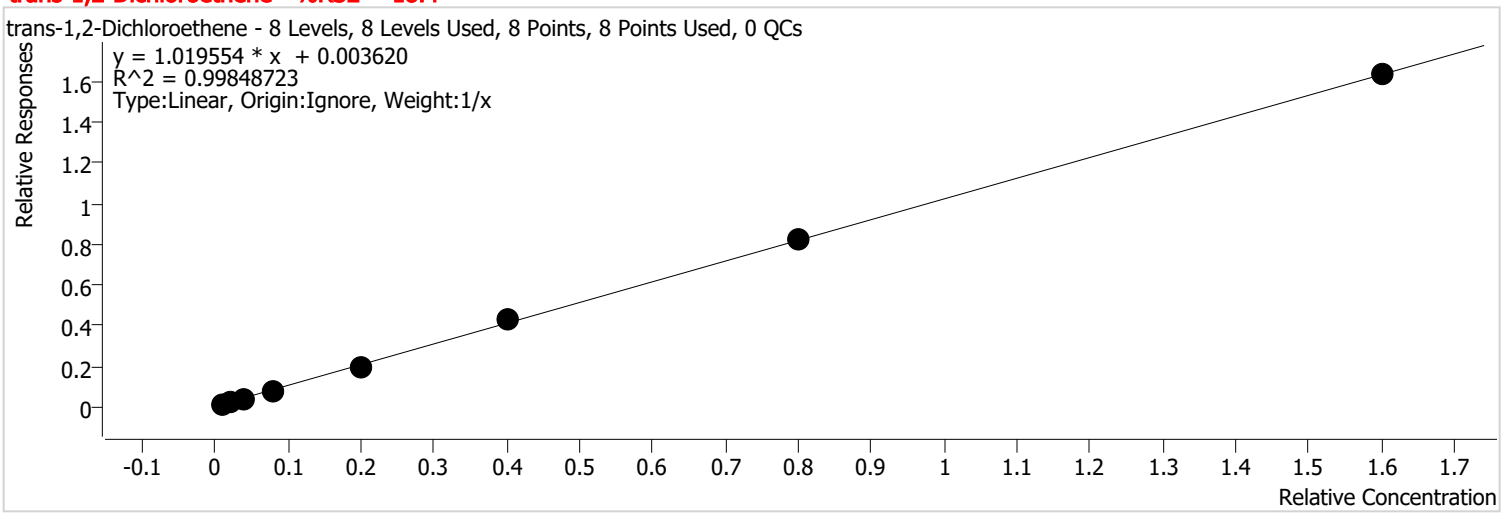
2-Methyl-2-Propanol %RSE = 13.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	2569	1.0000	0.0947	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	3247	2.5000	0.0456	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	5796	5.0000	0.0406	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	8626	10.0000	0.0304	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	18182	25.0000	0.0256	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	36725	50.0000	0.0257	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	67877	100.0000	0.0224	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	118487	200.0000	0.0199	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

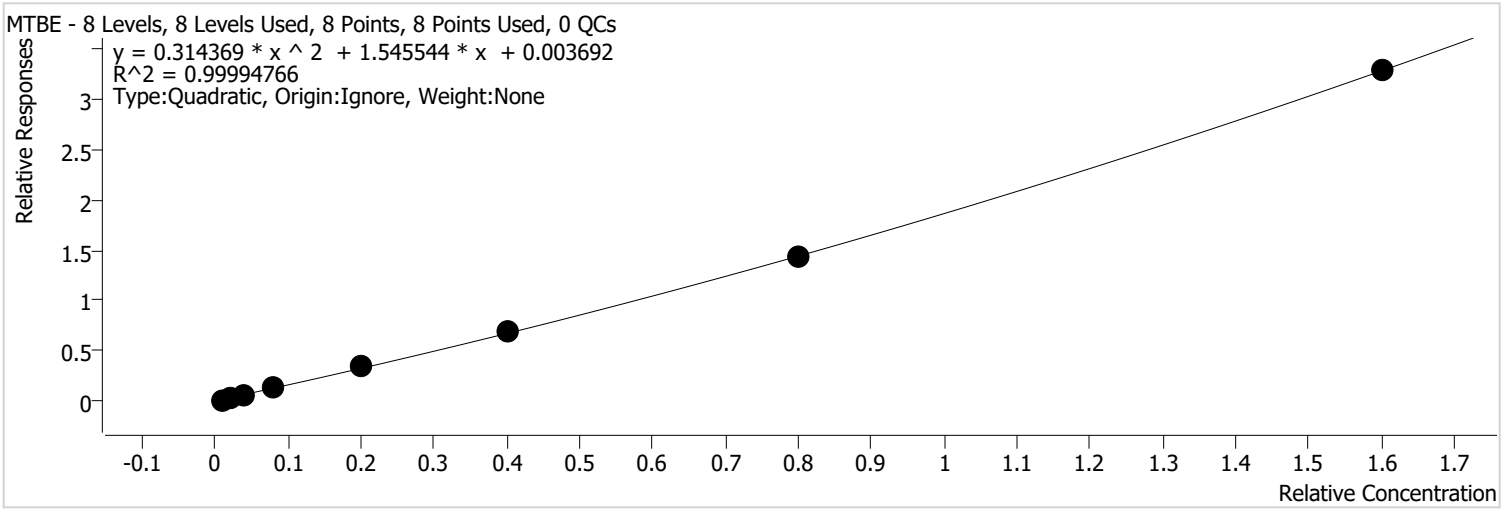
trans-1,2-Dichloroethene %RSE = 18.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	10100	0.2000	1.8628	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	14688	0.5000	1.0321	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	28641	1.0000	1.0022	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	53608	2.0000	0.9436	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	141475	5.0000	0.9954	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	305020	10.0000	1.0691	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	625897	20.0000	1.0329	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1215408	40.0000	1.0215	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

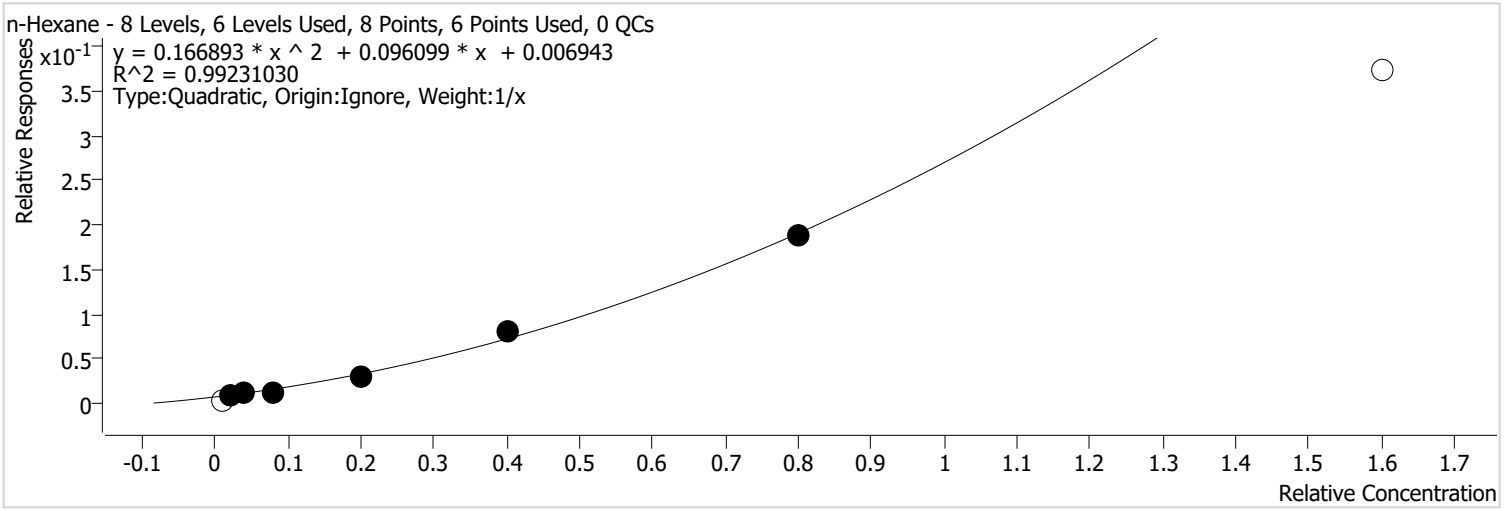
MTBE %RSE = 12.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	9196	0.2000	1.6961	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	26147	0.5000	1.8373	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	39843	1.0000	1.3942	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	90720	2.0000	1.5968	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	239899	5.0000	1.6879	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	485912	10.0000	1.7031	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	1083481	20.0000	1.7881	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	2441695	40.0000	2.0521	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

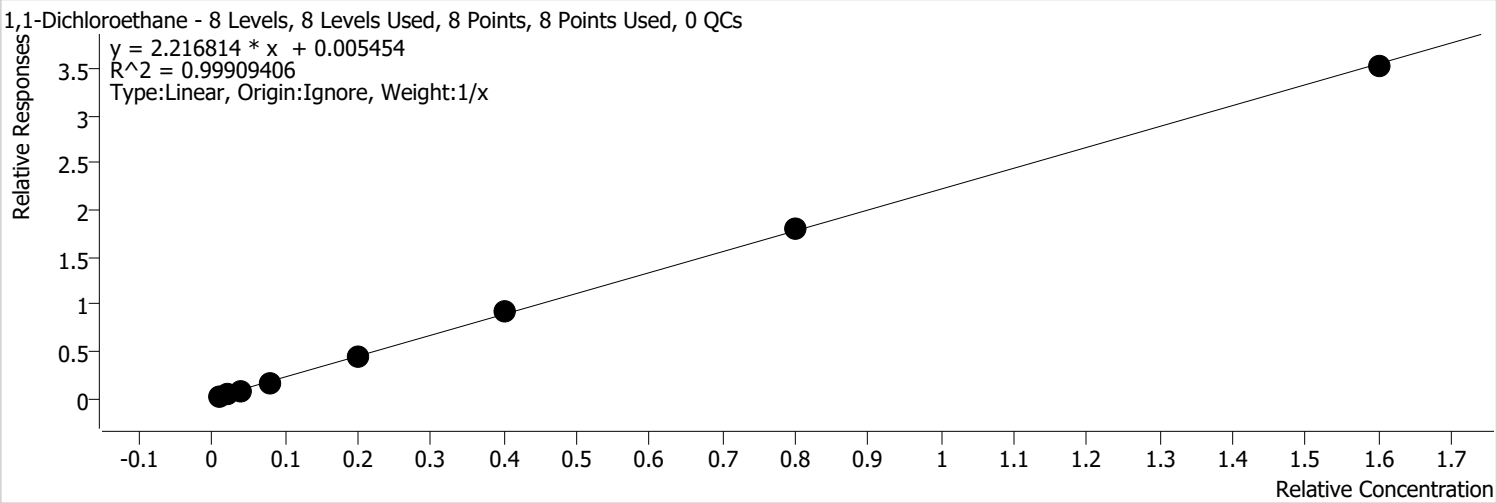
n-Hexane %RSE = 22.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		2539	0.2000	0.4682	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	6638	0.5000	0.4665	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	8298	1.0000	0.2904	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	9363	2.0000	0.1648	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	20392	5.0000	0.1435	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	57765	10.0000	0.2025	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	141967	20.0000	0.2343	
D:\GC-19\Data\081524\081562.D	Calibration	8		277482	40.0000	0.2332	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

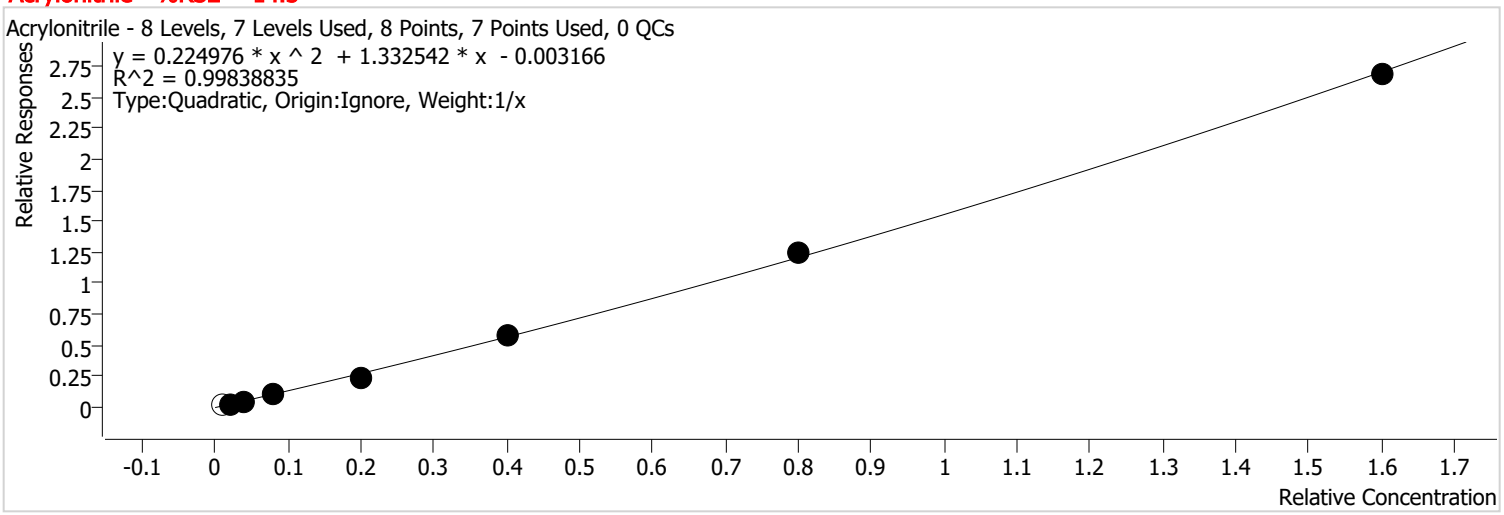
1,1-Dichloroethane %RSE = 12.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	18745	0.2000	3.4573	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	30379	0.5000	2.1347	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	62696	1.0000	2.1939	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	121975	2.0000	2.1469	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	318207	5.0000	2.2389	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	666474	10.0000	2.3359	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	1355015	20.0000	2.2362	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	2618592	40.0000	2.2007	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

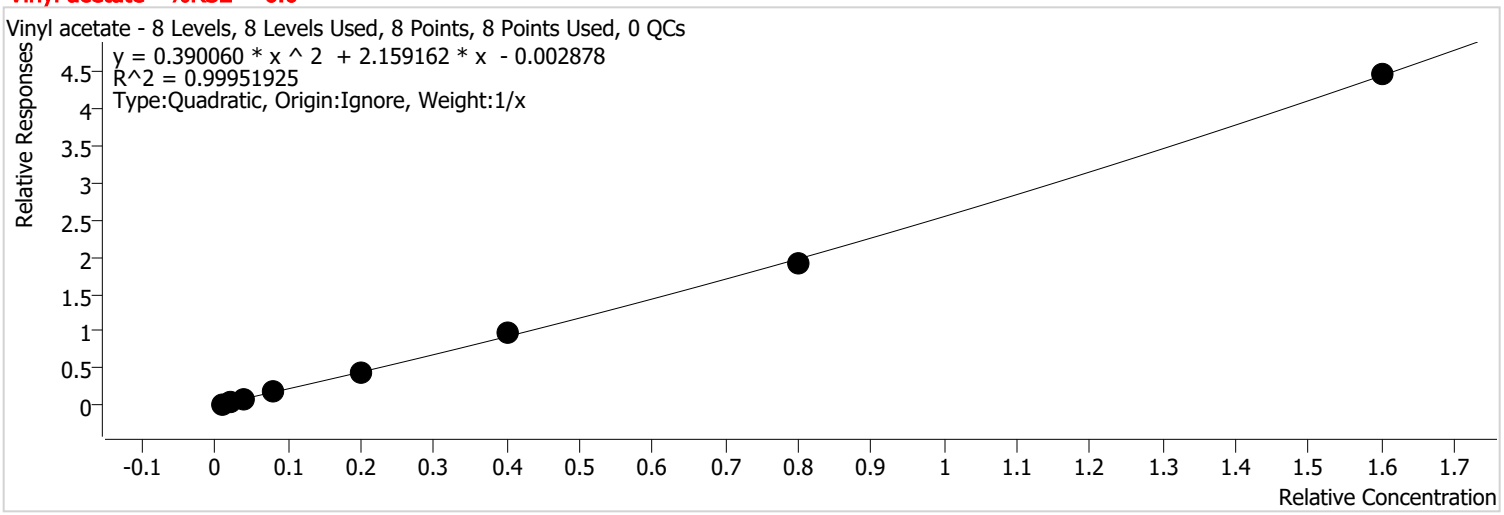
Acrylonitrile %RSE = 14.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		18599	0.2000	3.4302	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	21213	0.5000	1.4906	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	32050	1.0000	1.1215	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	68695	2.0000	1.2091	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	173332	5.0000	1.2195	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	411627	10.0000	1.4427	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	949738	20.0000	1.5674	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1994911	40.0000	1.6766	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

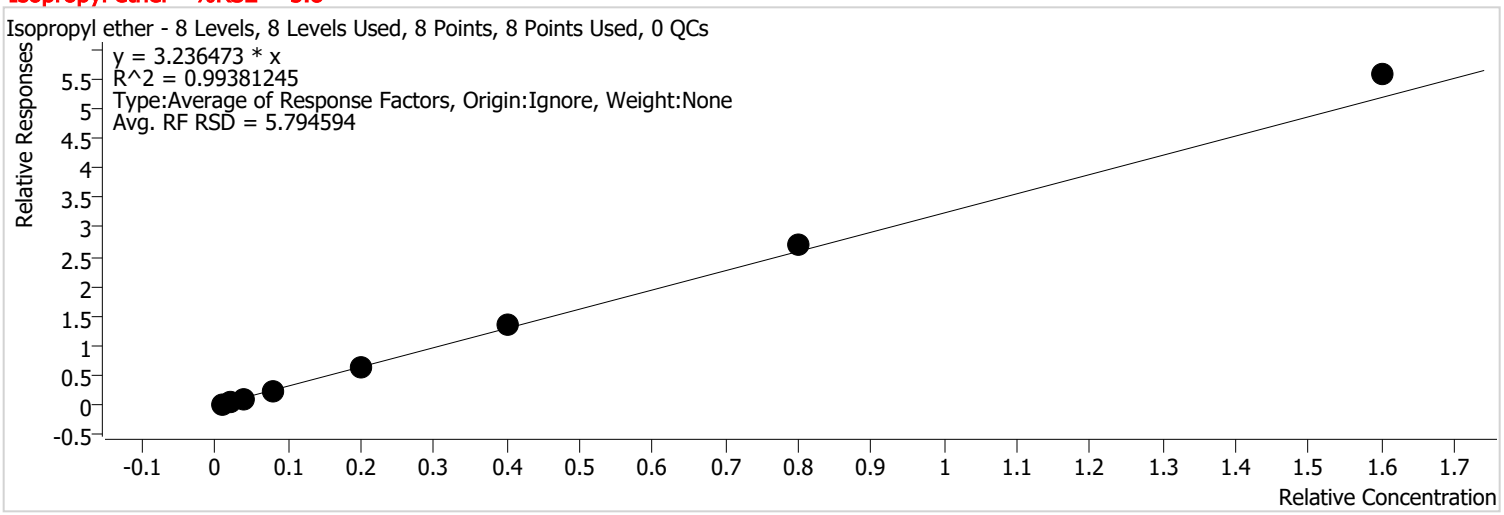
Vinyl acetate %RSE = 6.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	10360	0.2000	1.9107	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	30120	0.5000	2.1165	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	53441	1.0000	1.8701	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	120233	2.0000	2.1163	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	319190	5.0000	2.2458	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	686242	10.0000	2.4052	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	1458987	20.0000	2.4078	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	3319971	40.0000	2.7902	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

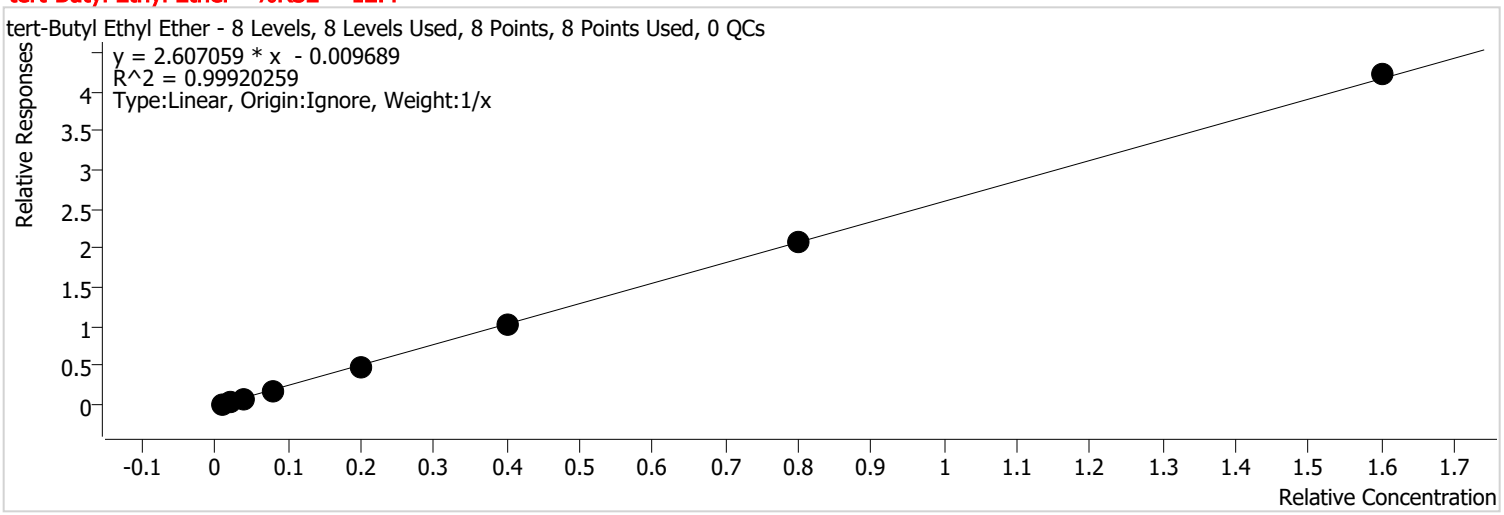
Isopropyl ether %RSE = 5.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	17932	0.2000	3.3073	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	45540	0.5000	3.2001	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	82131	1.0000	2.8741	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	175871	2.0000	3.0956	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	457634	5.0000	3.2199	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	953149	10.0000	3.3407	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	2046753	20.0000	3.3778	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	4136426	40.0000	3.4764	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

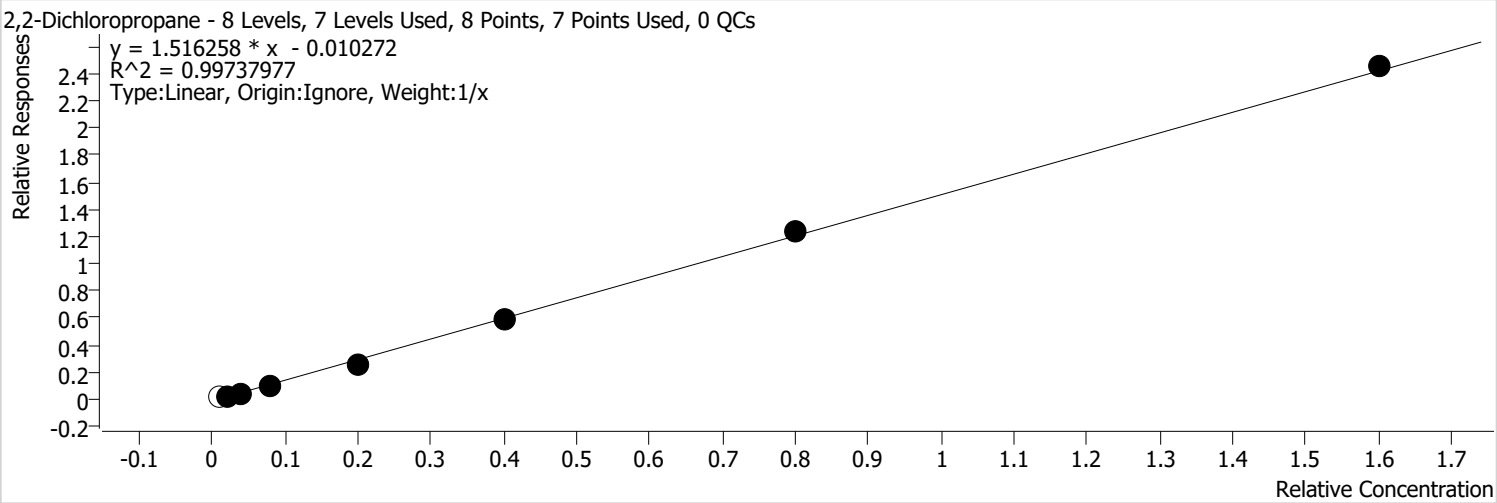
tert-Butyl Ethyl Ether %RSE = 12.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	11333	0.2000	2.0902	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	28491	0.5000	2.0020	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	59321	1.0000	2.0758	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	132124	2.0000	2.3256	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	343805	5.0000	2.4190	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	728541	10.0000	2.5535	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	1580481	20.0000	2.6083	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	3132215	40.0000	2.6324	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

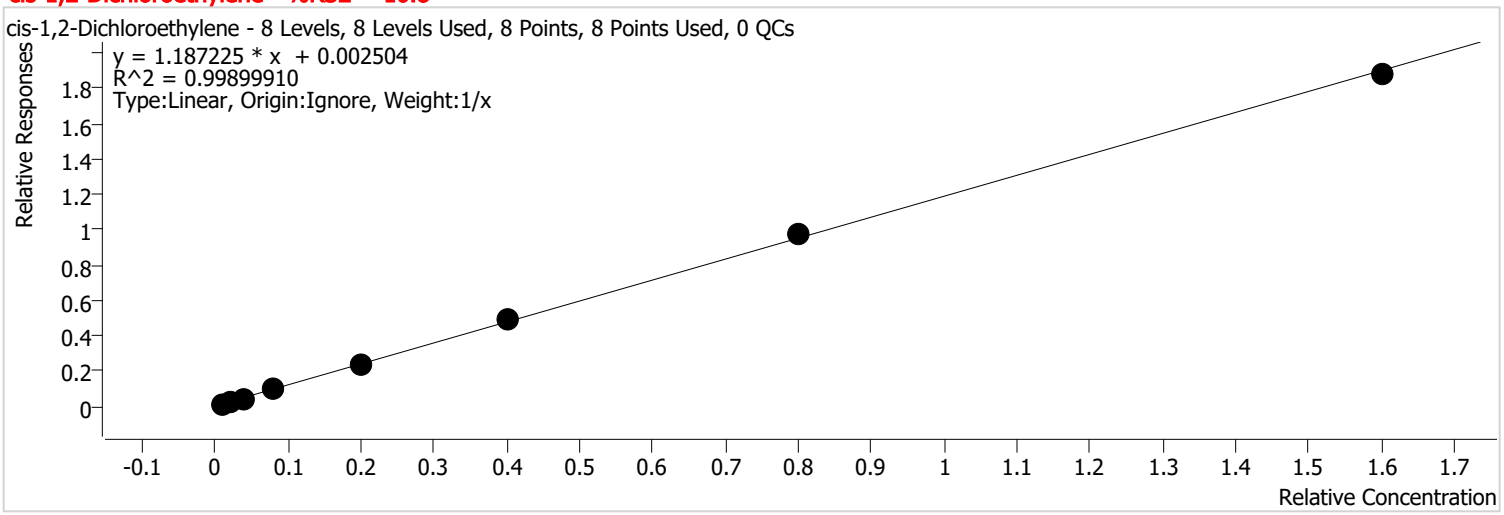
2,2-Dichloropropane %RSE = 13.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		18162	0.2000	3.3498	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	19666	0.5000	1.3819	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	33893	1.0000	1.1860	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	72652	2.0000	1.2788	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	177163	5.0000	1.2465	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	414903	10.0000	1.4542	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	934097	20.0000	1.5416	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1820156	40.0000	1.5297	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

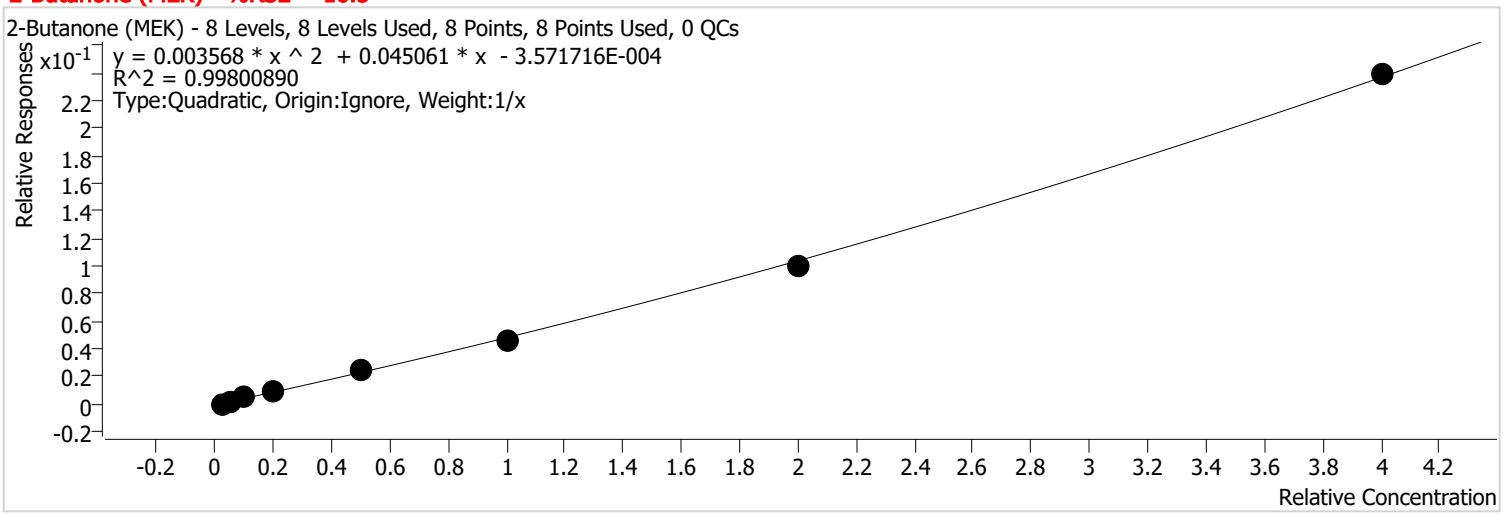
cis-1,2-Dichloroethylene %RSE = 10.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	9448	0.2000	1.7426	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	18030	0.5000	1.2670	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	30672	1.0000	1.0733	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	66316	2.0000	1.1673	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	166276	5.0000	1.1699	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	355026	10.0000	1.2443	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	736352	20.0000	1.2152	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1396558	40.0000	1.1737	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

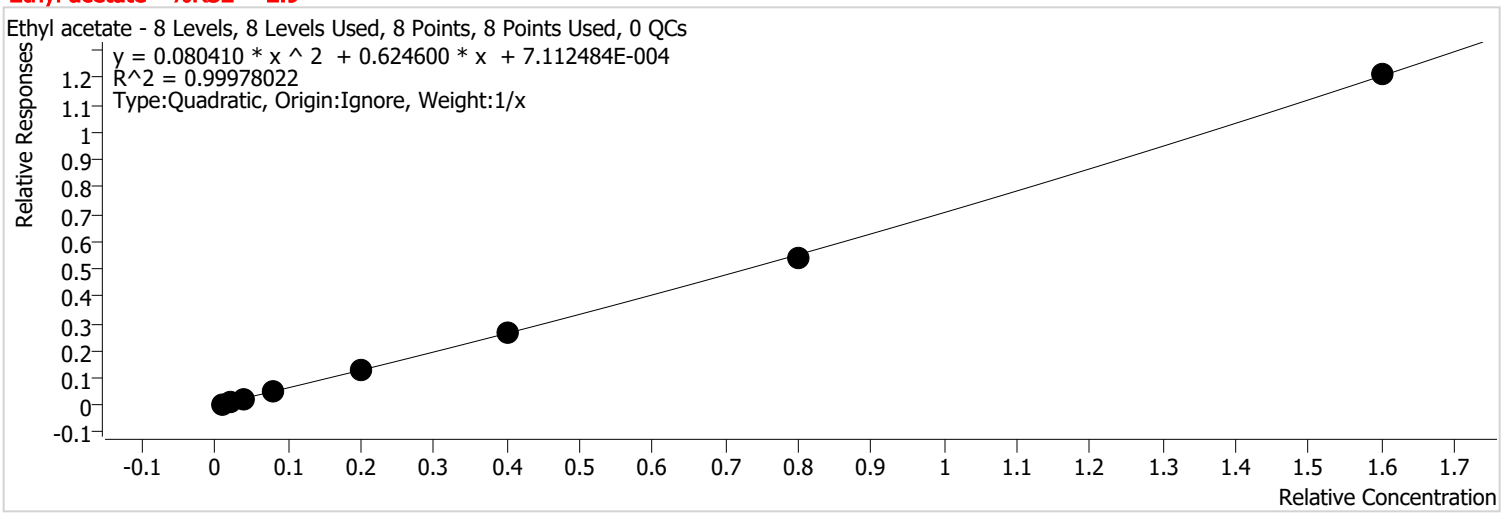
2-Butanone (MEK) %RSE = 16.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	221	0.5000	0.0163	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	1192	1.2500	0.0335	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	3651	2.5000	0.0511	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	6970	5.0000	0.0491	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	18213	12.5000	0.0513	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	32402	25.0000	0.0454	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	76479	50.0000	0.0505	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	177611	100.0000	0.0597	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

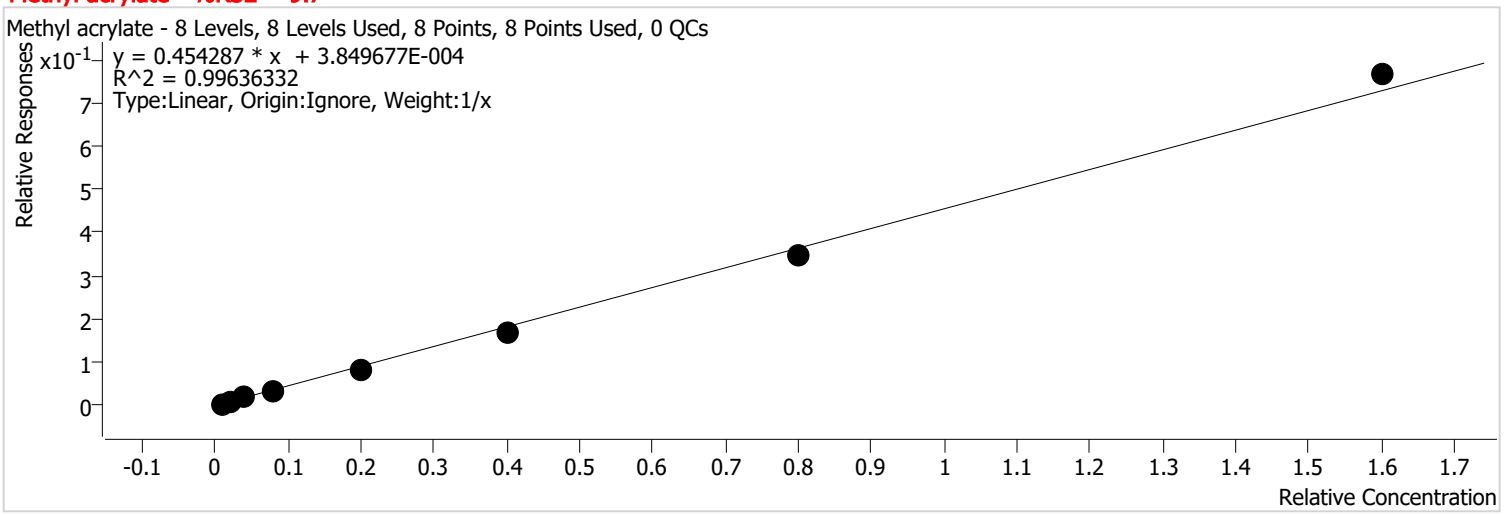
Ethyl acetate %RSE = 2.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	3845	0.2000	0.7092	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	9242	0.5000	0.6494	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	17887	1.0000	0.6259	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	37744	2.0000	0.6643	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	94129	5.0000	0.6623	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	189593	10.0000	0.6645	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	409275	20.0000	0.6754	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	900247	40.0000	0.7566	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

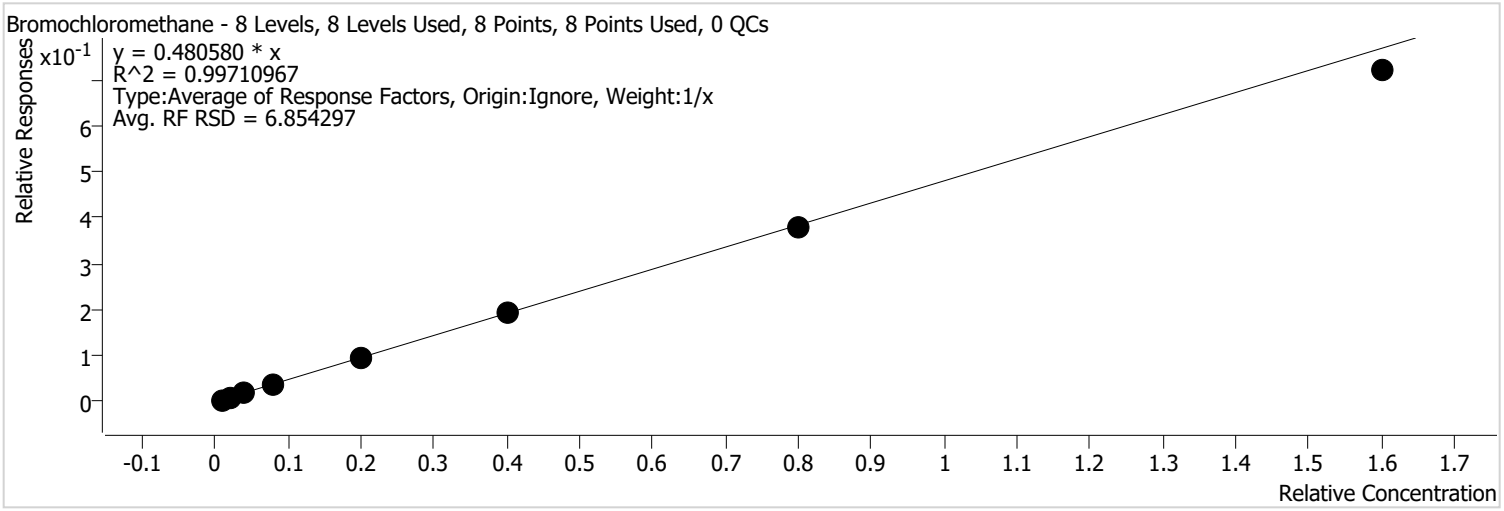
Methyl acrylate %RSE = 9.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	2920	0.2000	0.5386	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	7804	0.5000	0.5484	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	12752	1.0000	0.4463	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	24998	2.0000	0.4400	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	58287	5.0000	0.4101	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	120163	10.0000	0.4212	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	265101	20.0000	0.4375	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	568432	40.0000	0.4777	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

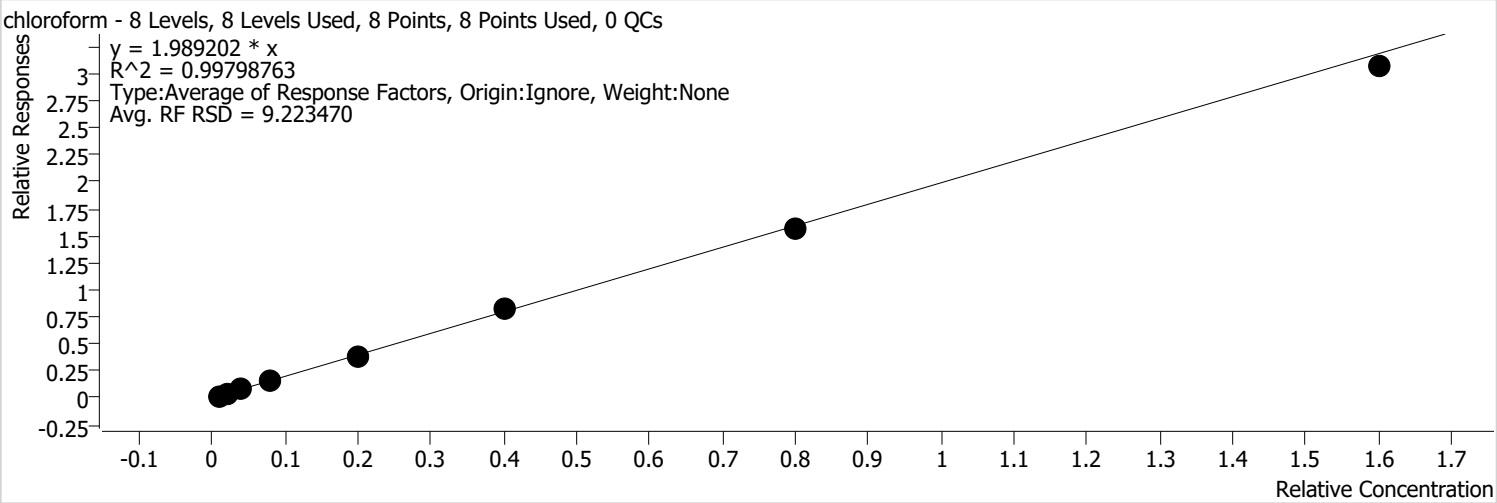
Bromochloromethane %RSE = 7.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	2812	0.2000	0.5186	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	5800	0.5000	0.4075	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	12789	1.0000	0.4475	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	26563	2.0000	0.4676	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	65783	5.0000	0.4628	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	137542	10.0000	0.4821	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	287185	20.0000	0.4739	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	535583	40.0000	0.4501	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

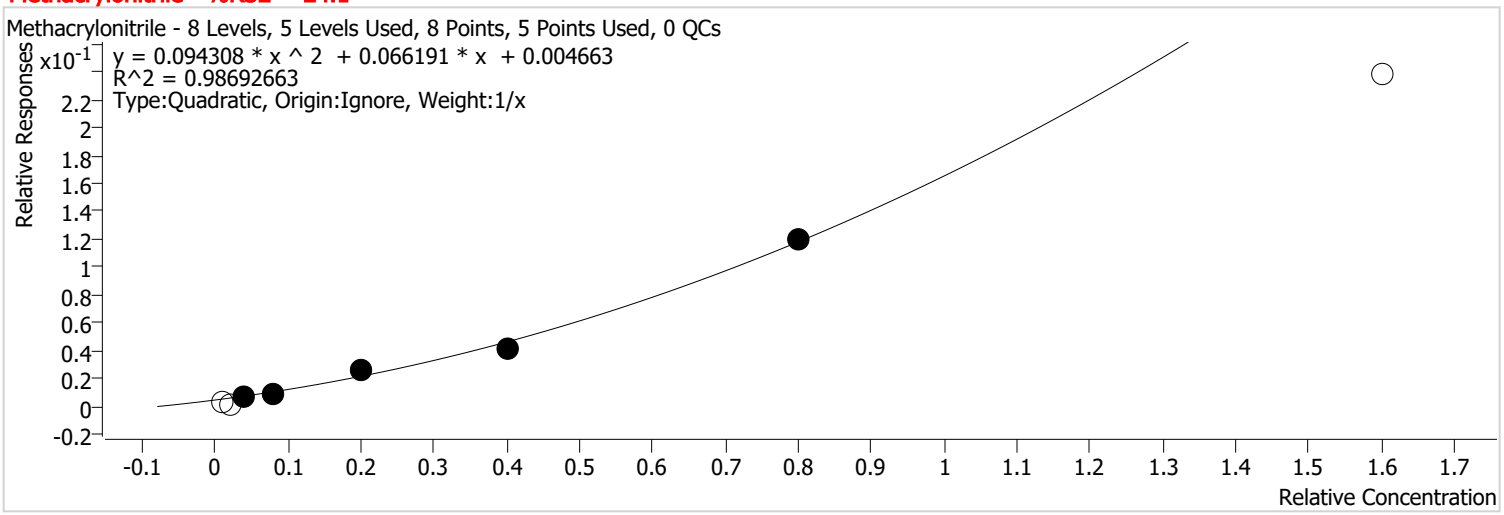
chloroform %RSE = 9.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	13113	0.2000	2.4186	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	27786	0.5000	1.9525	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	52427	1.0000	1.8346	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	107145	2.0000	1.8859	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	271921	5.0000	1.9132	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	582327	10.0000	2.0410	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	1183987	20.0000	1.9540	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	2277252	40.0000	1.9139	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

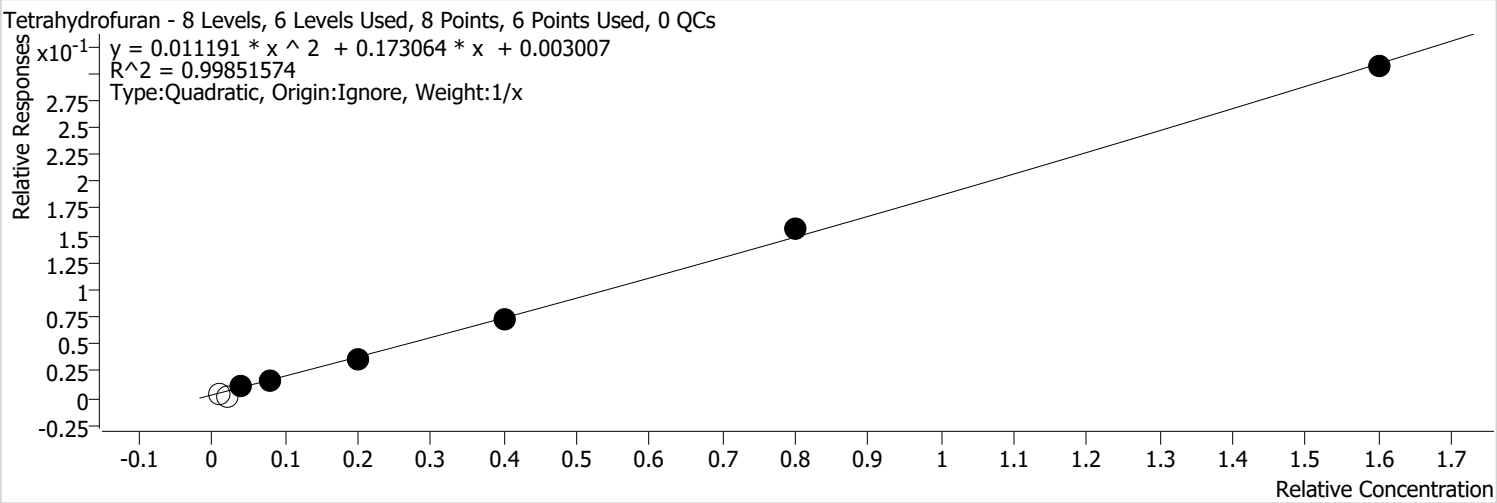
Methacrylonitrile %RSE = 24.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		1974	0.2000	0.3641	
D:\GC-19\Data\081524\081556.D	Calibration	2		1401	0.5000	0.0985	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	5430	1.0000	0.1900	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	6508	2.0000	0.1146	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	19042	5.0000	0.1340	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	29100	10.0000	0.1020	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	90544	20.0000	0.1494	
D:\GC-19\Data\081524\081562.D	Calibration	8		176809	40.0000	0.1486	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

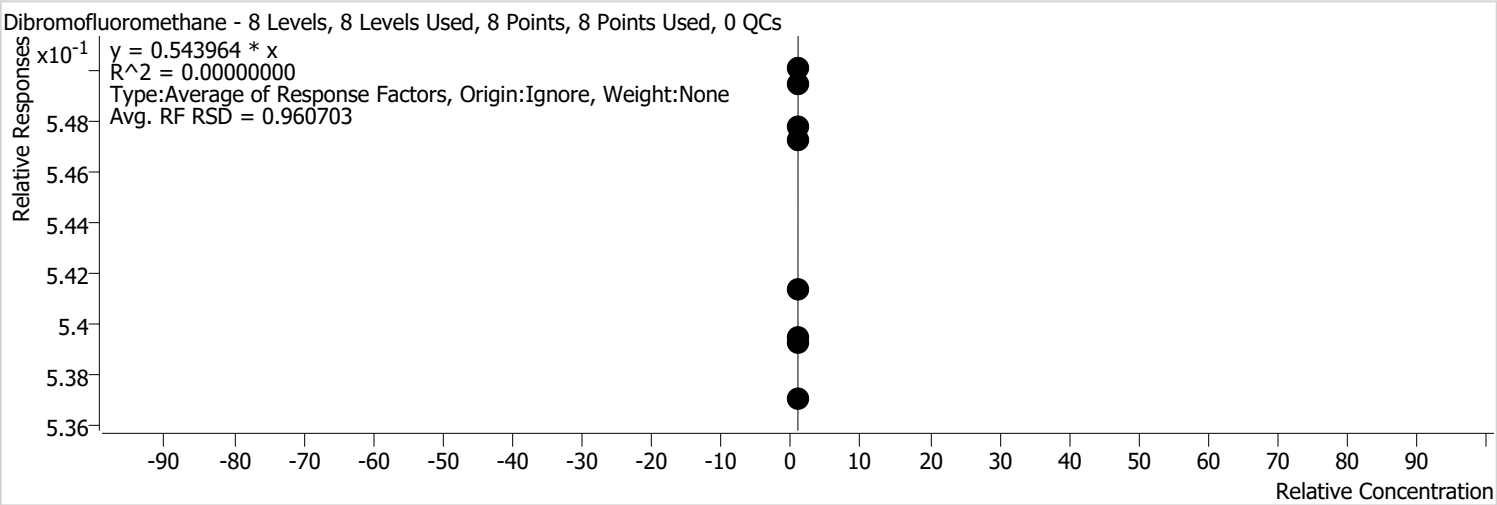
Tetrahydrofuran %RSE = 6.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		3017	0.2000	0.5564	
D:\GC-19\Data\081524\081556.D	Calibration	2		1571	0.5000	0.1104	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	7401	1.0000	0.2590	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	12116	2.0000	0.2133	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	25151	5.0000	0.1770	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	51114	10.0000	0.1791	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	117996	20.0000	0.1947	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	227477	40.0000	0.1912	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

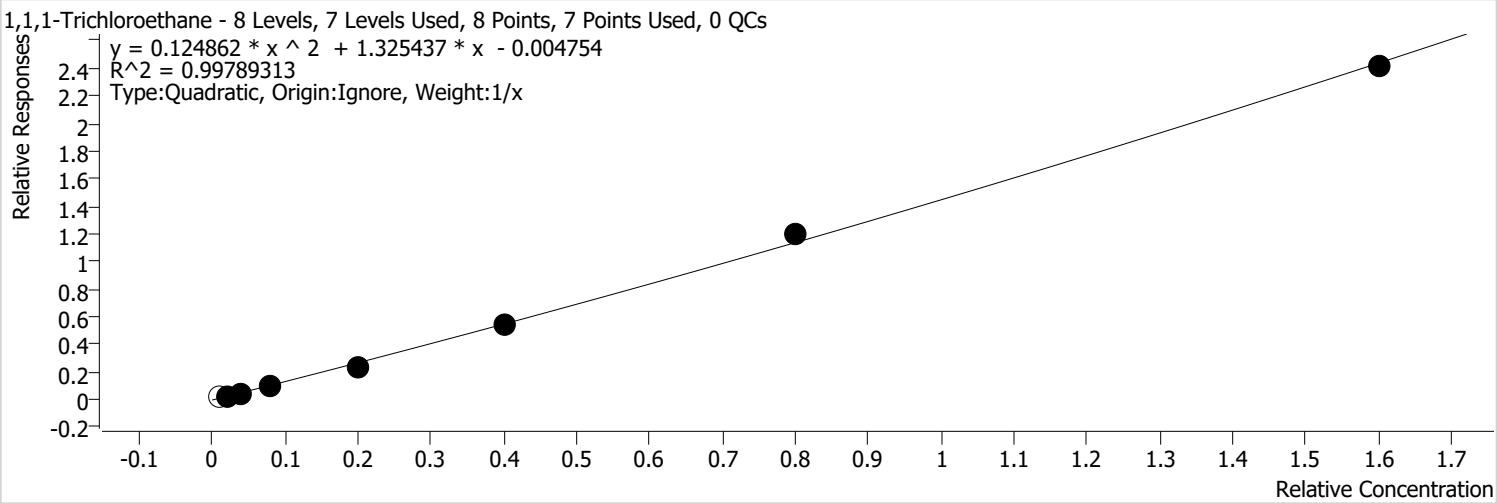
Dibromofluoromethane %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081562.D	Calibration	8	x	399415	25.0000	0.5371	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	414934	25.0000	0.5478	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	391966	25.0000	0.5495	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	388880	25.0000	0.5472	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	390652	25.0000	0.5501	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	385227	25.0000	0.5392	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	383826	25.0000	0.5394	
D:\GC-19\Data\081524\081555.D	Calibration	1	x	366888	25.0000	0.5413	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

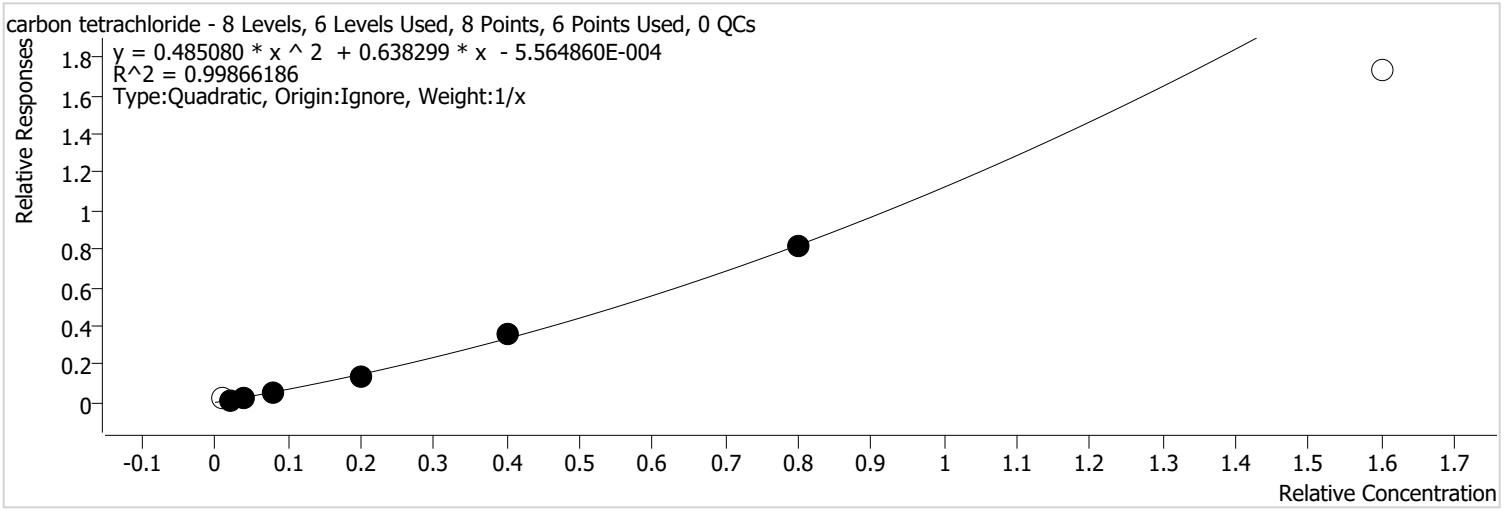
1,1,1-Trichloroethane %RSE = 11.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		19700	0.2000	3.6334	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	18650	0.5000	1.3105	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	34029	1.0000	1.1908	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	66560	2.0000	1.1716	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	165054	5.0000	1.1613	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	392774	10.0000	1.3766	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	904588	20.0000	1.4929	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1791797	40.0000	1.5059	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

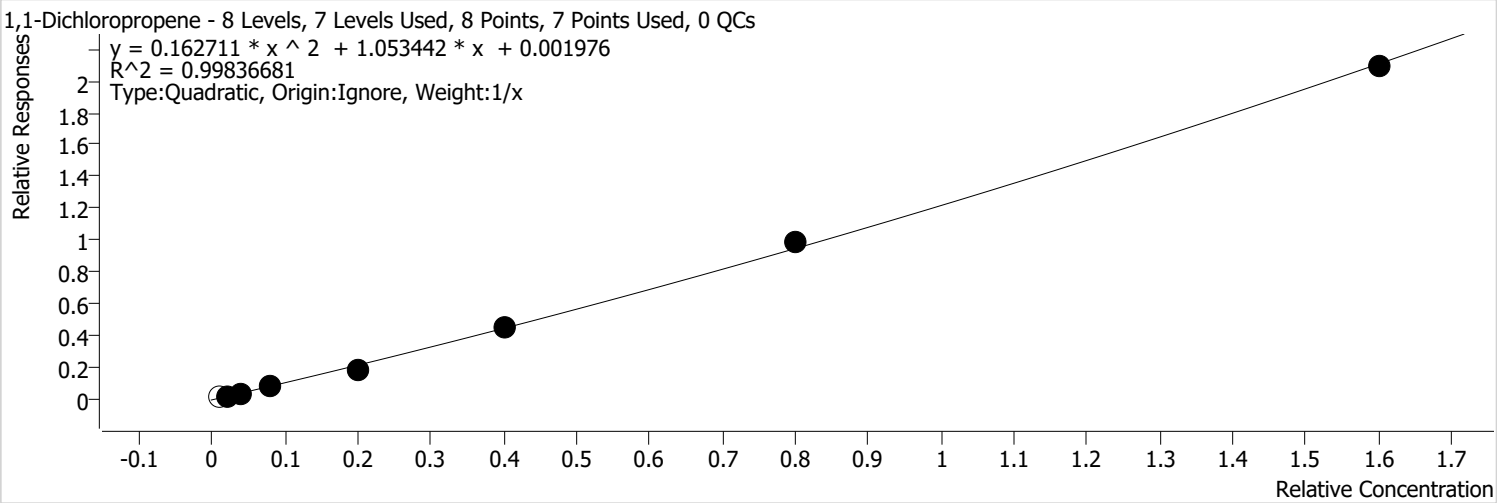
carbon tetrachloride %RSE = 6.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		10846	0.2000	2.0005	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	9573	0.5000	0.6727	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	18100	1.0000	0.6334	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	36386	2.0000	0.6404	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	97167	5.0000	0.6837	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	249695	10.0000	0.8752	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	616824	20.0000	1.0180	
D:\GC-19\Data\081524\081562.D	Calibration	8		1287388	40.0000	1.0820	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

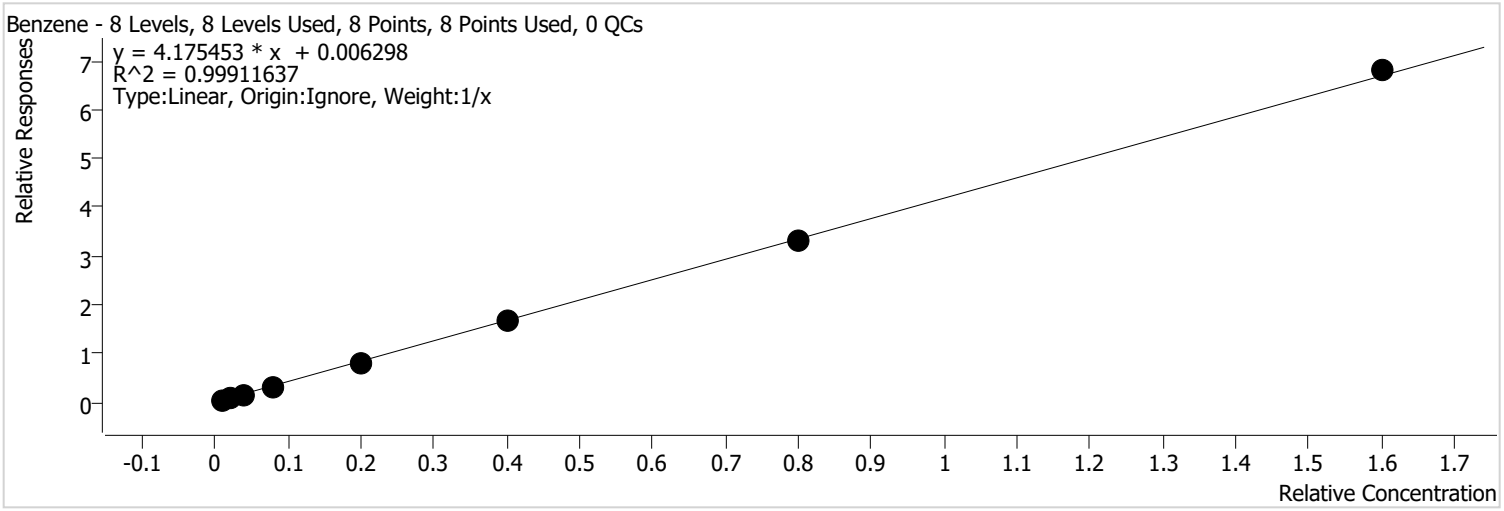
1,1-Dichloropropene %RSE = 12.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		19288	0.2000	3.5573	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	19458	0.5000	1.3673	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	29056	1.0000	1.0168	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	59063	2.0000	1.0396	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	137698	5.0000	0.9688	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	327555	10.0000	1.1480	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	746269	20.0000	1.2316	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1551874	40.0000	1.3042	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

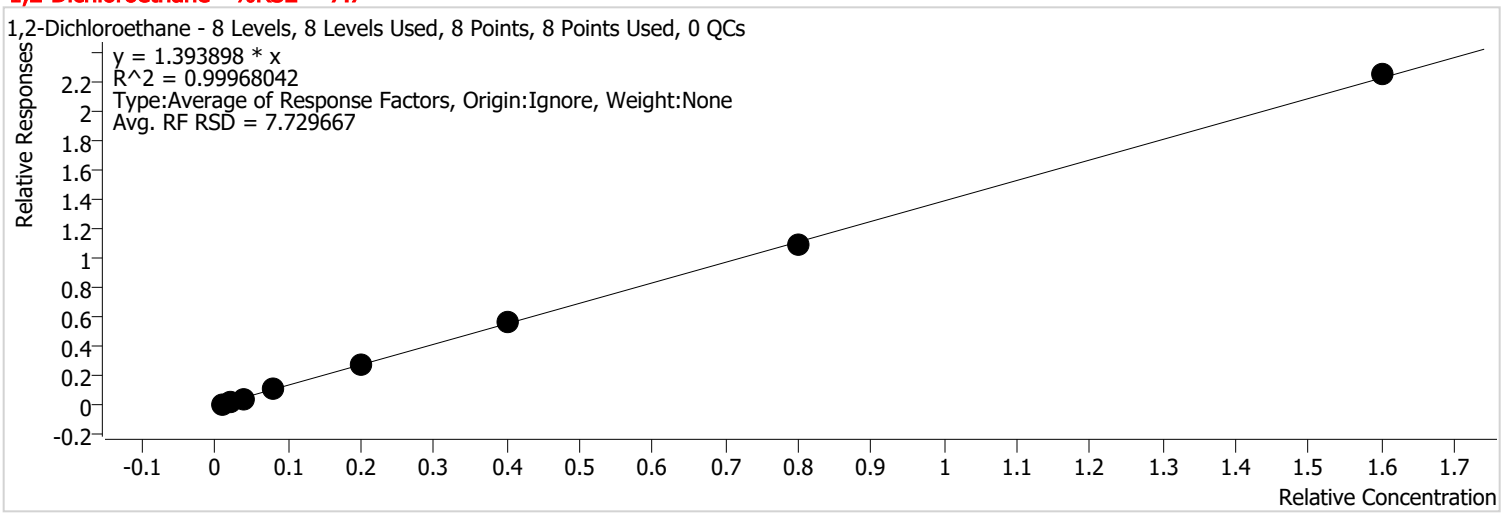
Benzene %RSE = 13.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	33360	0.2000	6.1528	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	60650	0.5000	4.2618	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	107968	1.0000	3.7782	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	227834	2.0000	4.0102	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	572150	5.0000	4.0256	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	1192149	10.0000	4.1783	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	2513731	20.0000	4.1485	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	5051792	40.0000	4.2457	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

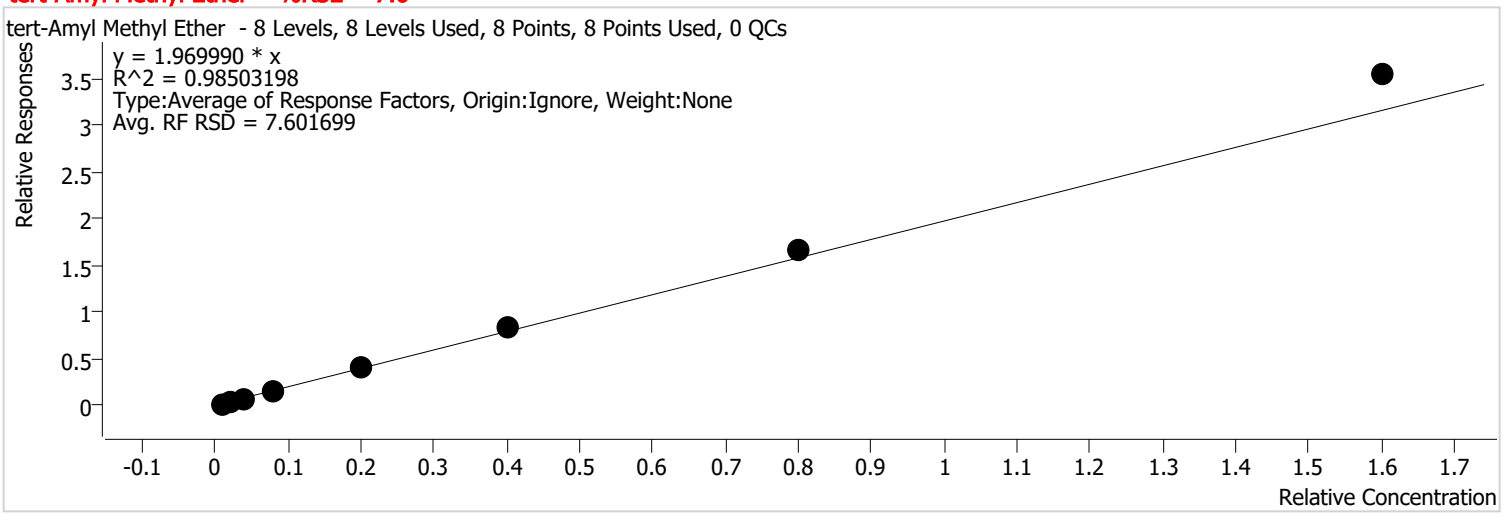
1,2-Dichloroethane %RSE = 7.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	8807	0.2000	1.6243	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	19830	0.5000	1.3935	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	35647	1.0000	1.2474	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	75890	2.0000	1.3358	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	192884	5.0000	1.3571	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	405860	10.0000	1.4225	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	825746	20.0000	1.3627	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1675205	40.0000	1.4079	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

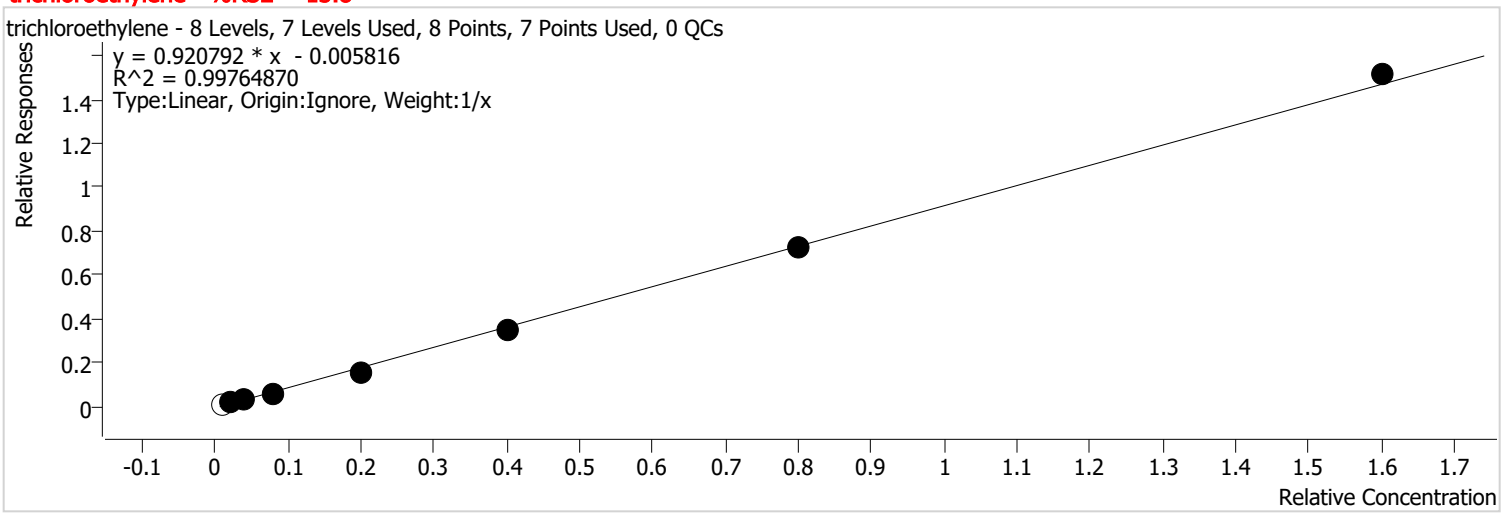
tert-Amyl Methyl Ether %RSE = 7.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	10226	0.2000	1.8860	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	26147	0.5000	1.8373	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	50565	1.0000	1.7694	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	108244	2.0000	1.9053	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	279417	5.0000	1.9659	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	600139	10.0000	2.1034	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	1262398	20.0000	2.0834	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	2628681	40.0000	2.2092	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

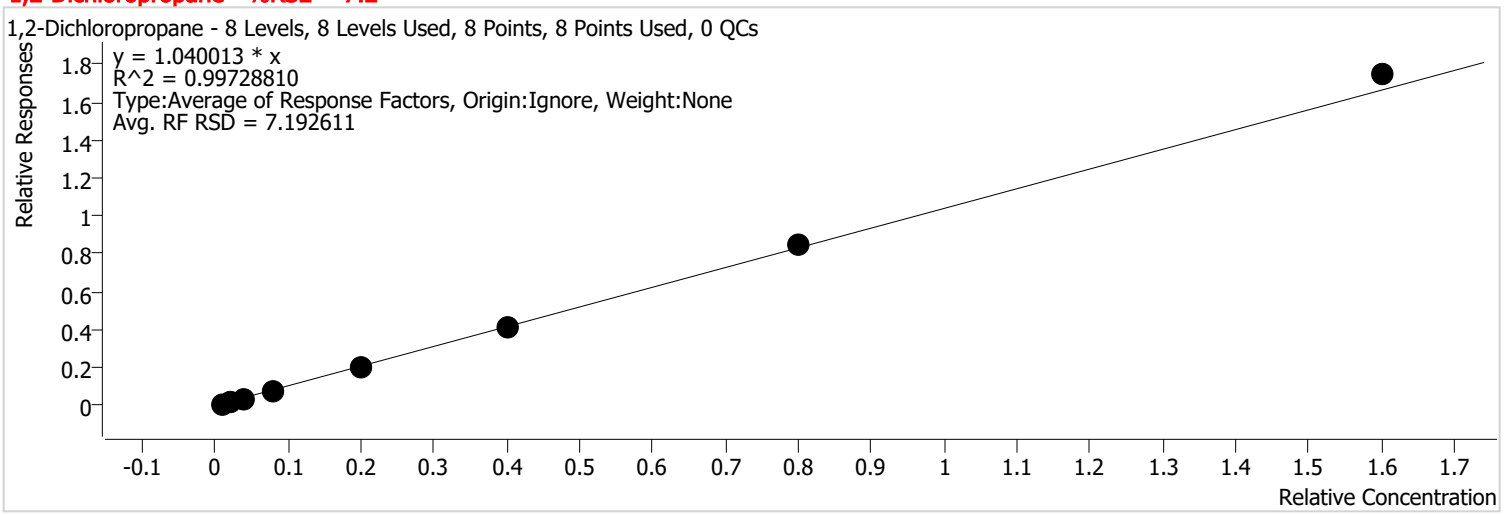
trichloroethylene %RSE = 13.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		8954	0.2000	1.6514	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	12473	0.5000	0.8765	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	20256	1.0000	0.7088	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	44180	2.0000	0.7776	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	113432	5.0000	0.7981	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	249465	10.0000	0.8743	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	546614	20.0000	0.9021	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1124017	40.0000	0.9447	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

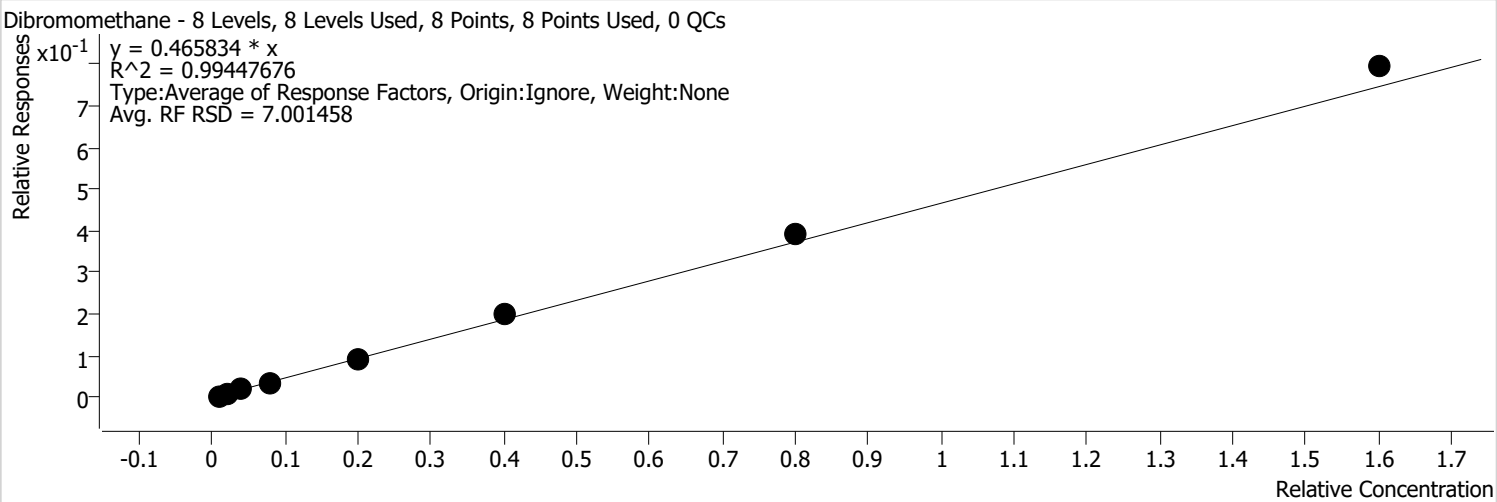
1,2-Dichloropropane %RSE = 7.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	6247	0.2000	1.1522	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	15627	0.5000	1.0981	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	26568	1.0000	0.9297	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	54721	2.0000	0.9632	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	141250	5.0000	0.9938	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	294772	10.0000	1.0331	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	641727	20.0000	1.0591	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1297942	40.0000	1.0908	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

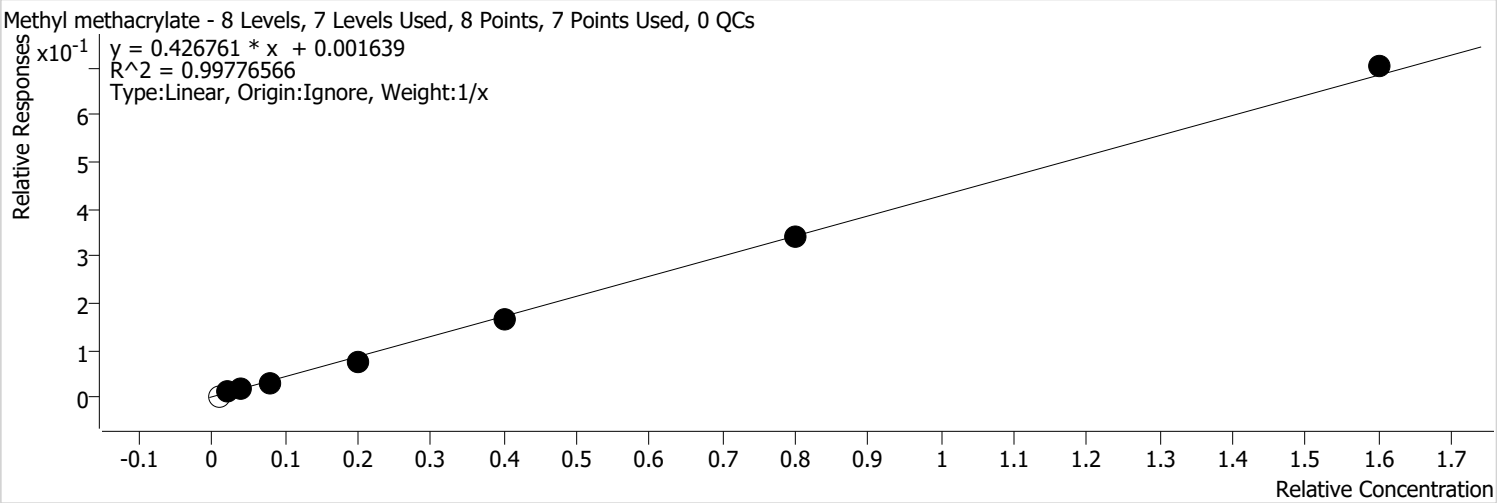
Dibromomethane %RSE = 7.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	2603	0.2000	0.4801	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	5753	0.5000	0.4043	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	12861	1.0000	0.4500	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	25885	2.0000	0.4556	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	63696	5.0000	0.4482	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	142675	10.0000	0.5001	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	298487	20.0000	0.4926	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	589970	40.0000	0.4958	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

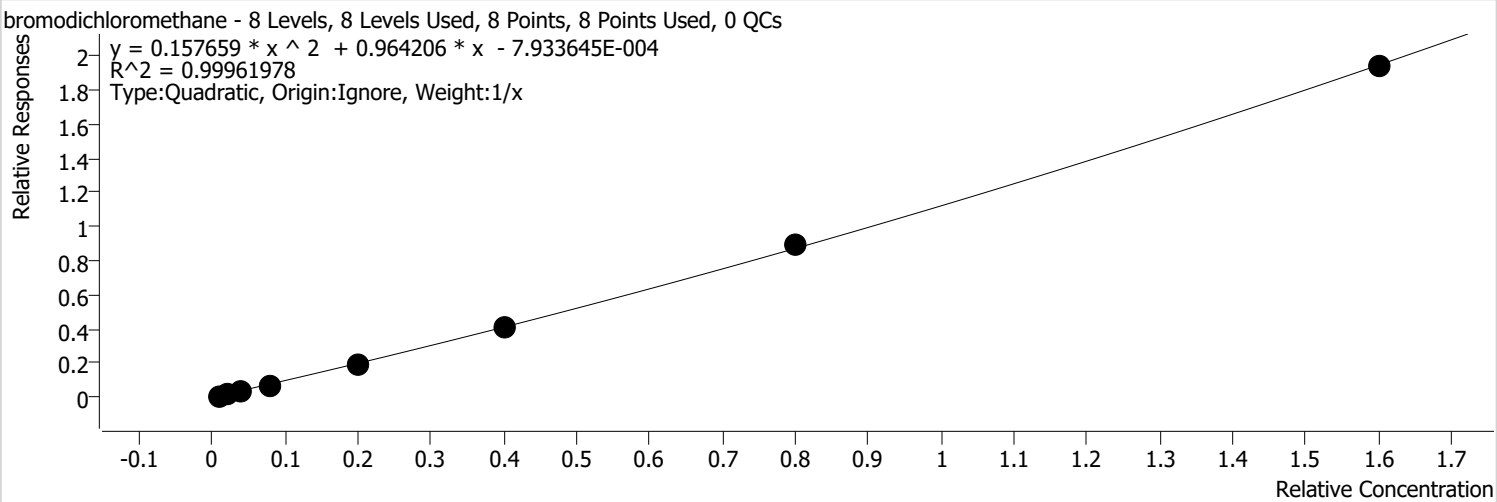
Methyl methacrylate %RSE = 13.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		2546	0.2000	0.4696	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	8716	0.5000	0.6125	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	13181	1.0000	0.4613	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	22601	2.0000	0.3978	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	55483	5.0000	0.3904	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	119582	10.0000	0.4191	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	258123	20.0000	0.4260	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	522399	40.0000	0.4390	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

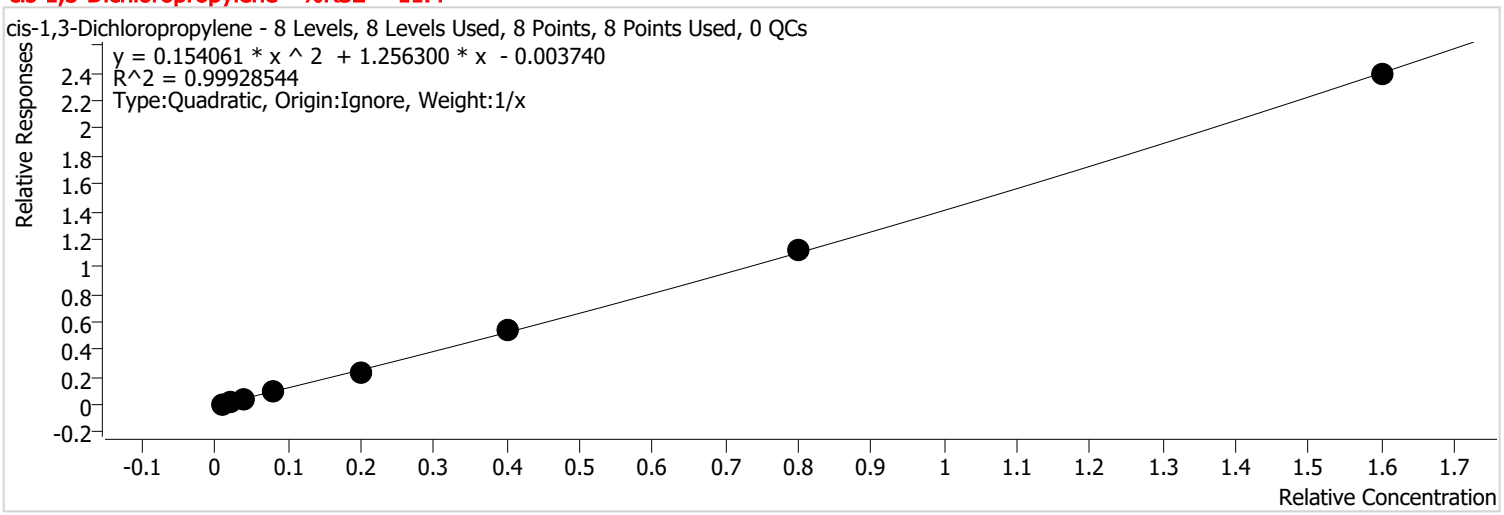
bromodichloromethane %RSE = 7.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	5394	0.2000	0.9948	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	13398	0.5000	0.9415	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	25244	1.0000	0.8834	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	50886	2.0000	0.8957	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	136697	5.0000	0.9618	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	294887	10.0000	1.0335	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	674490	20.0000	1.1131	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1439962	40.0000	1.2102	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

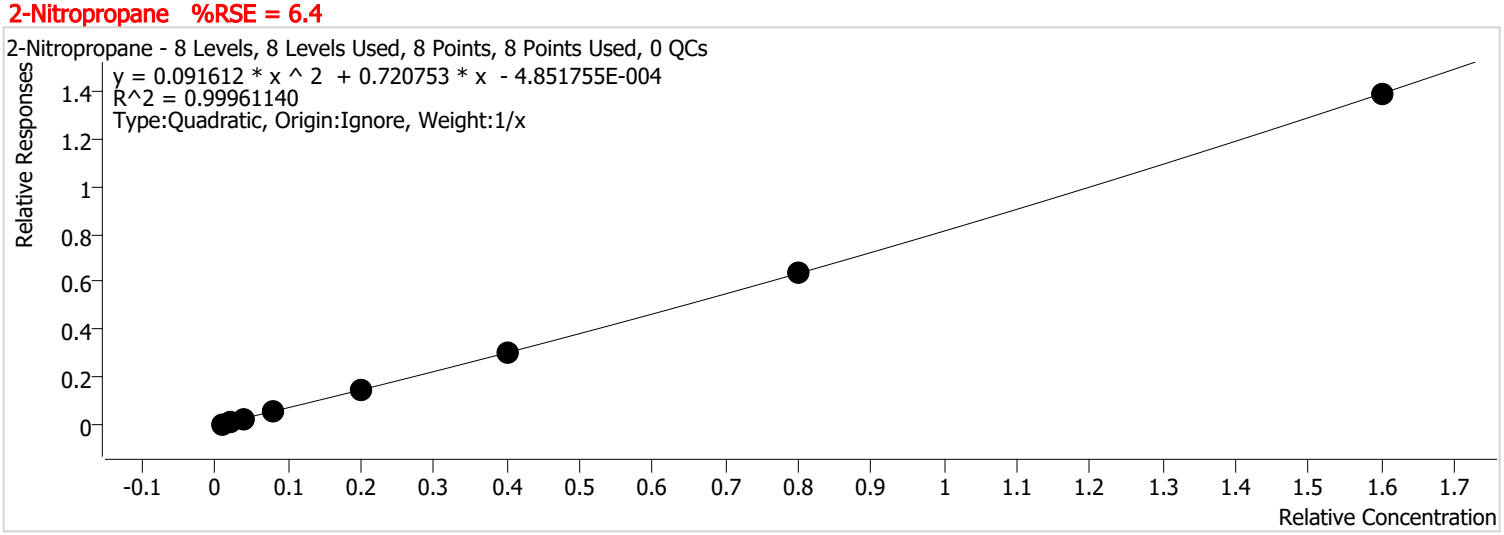
cis-1,3-Dichloropropylene %RSE = 11.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	5573	0.2000	1.0278	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	15653	0.5000	1.0999	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	27923	1.0000	0.9771	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	65877	2.0000	1.1595	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	171181	5.0000	1.2044	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	382697	10.0000	1.3413	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	850005	20.0000	1.4028	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1776119	40.0000	1.4927	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

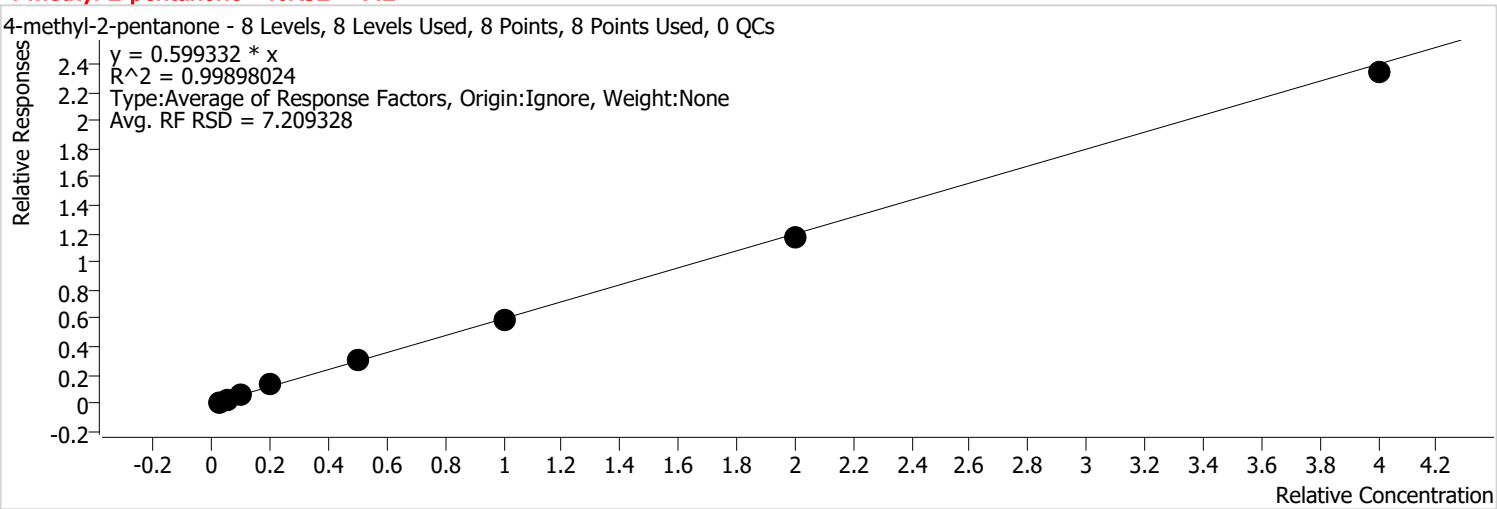
2-Nitropropane %RSE = 6.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	3701	0.2000	0.6825	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	10926	0.5000	0.7678	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	19659	1.0000	0.6879	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	37312	2.0000	0.6567	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	101323	5.0000	0.7129	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	220093	10.0000	0.7714	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	486770	20.0000	0.8033	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1028216	40.0000	0.8641	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:02 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

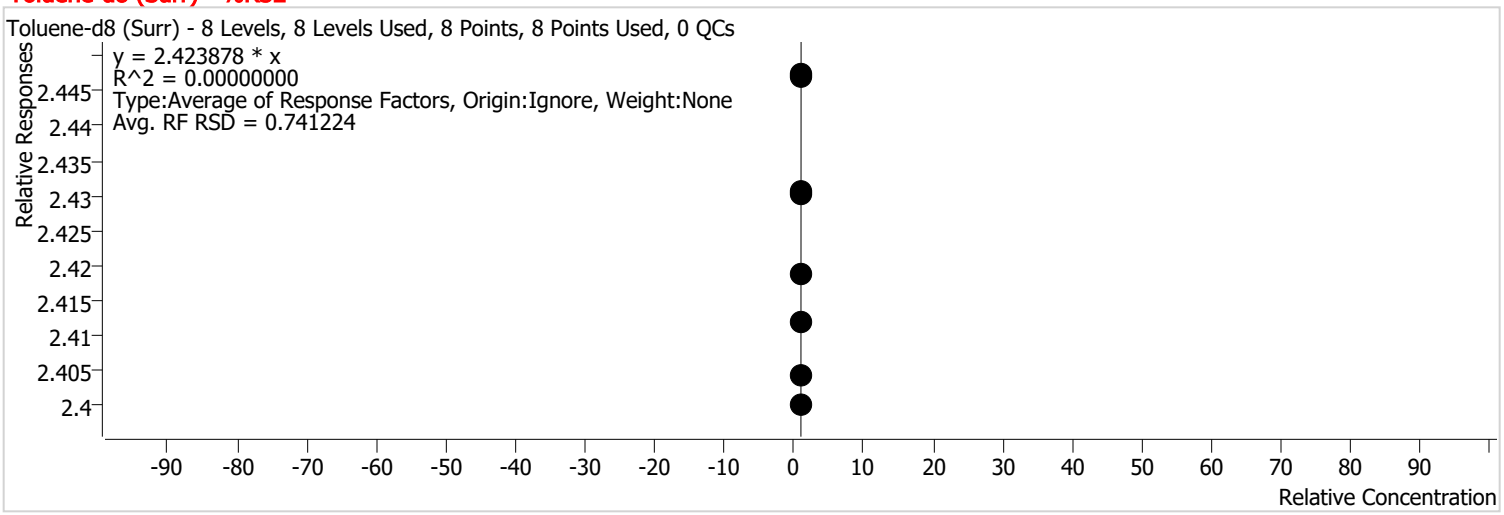
4-methyl-2-pentanone %RSE = 7.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	7820	0.5000	0.5769	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	22223	1.2500	0.6246	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	38533	2.5000	0.5394	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	97769	5.0000	0.6884	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	211628	12.5000	0.5956	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	427242	25.0000	0.5990	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	888788	50.0000	0.5867	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1737519	100.0000	0.5841	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:03 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

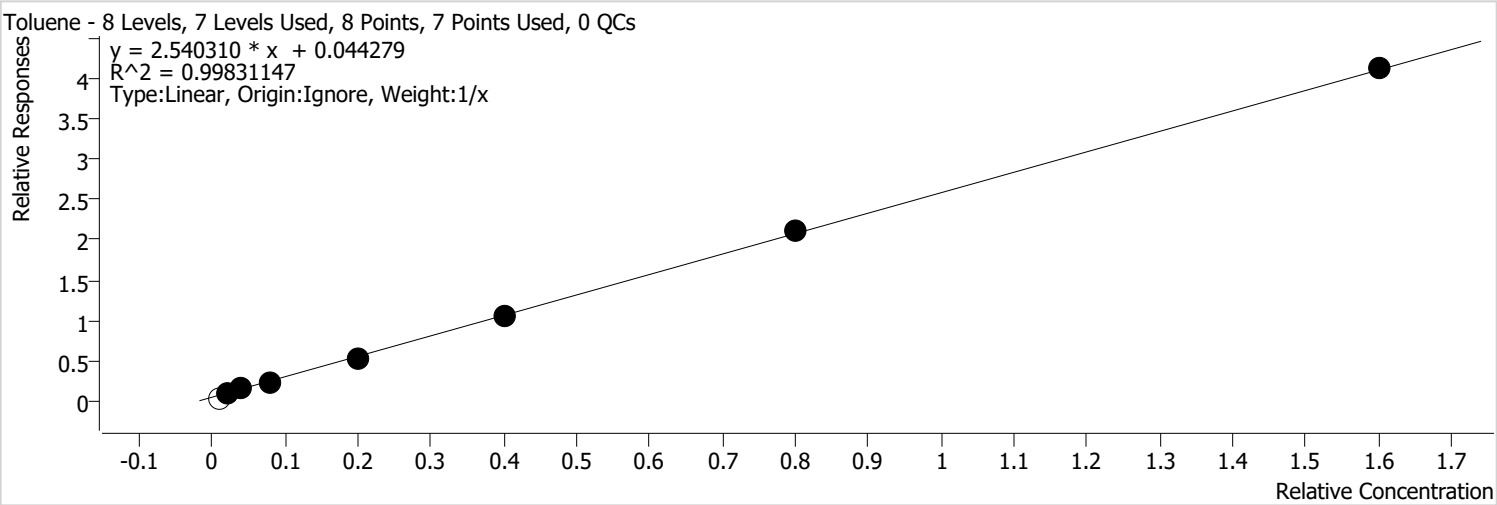
Toluene-d8 (Surr) %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1788153	25.0000	2.4045	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	1818044	25.0000	2.4003	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	1745366	25.0000	2.4469	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	1719015	25.0000	2.4190	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	1726007	25.0000	2.4304	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	1723259	25.0000	2.4121	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	1729456	25.0000	2.4306	
D:\GC-19\Data\081524\081555.D	Calibration	1	x	1658619	25.0000	2.4473	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

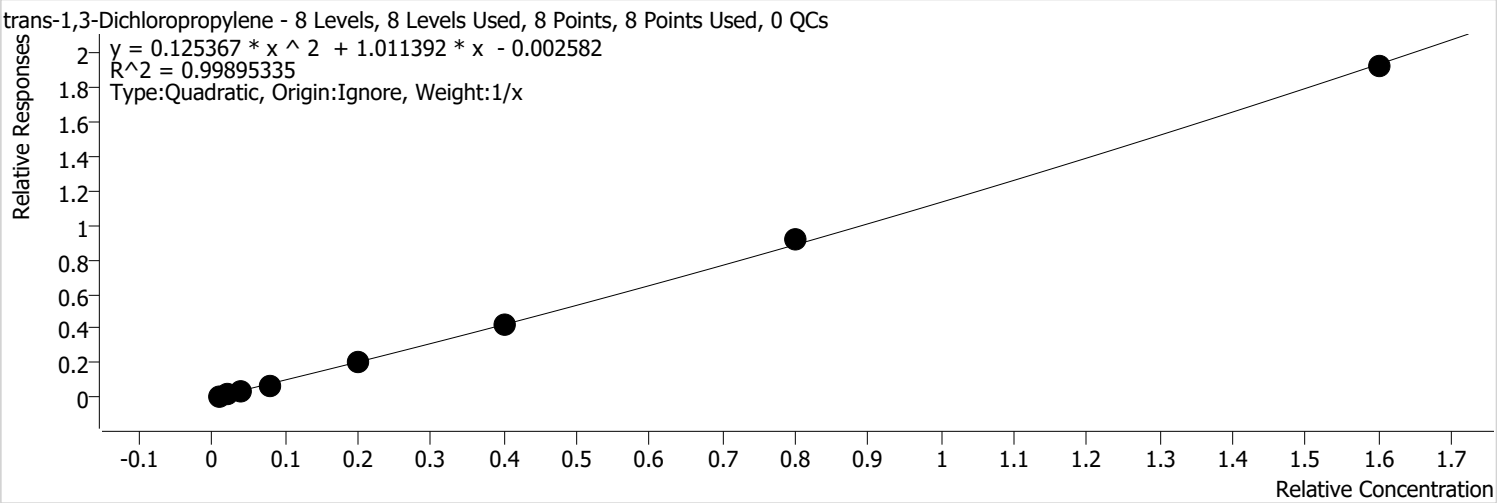
Toluene %RSE = 11.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		24929	0.2000	4.5977	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	70832	0.5000	4.9774	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	113787	1.0000	3.9818	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	148935	2.0000	2.6215	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	371659	5.0000	2.6150	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	761984	10.0000	2.6707	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	1592141	20.0000	2.6275	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	3067403	40.0000	2.5779	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

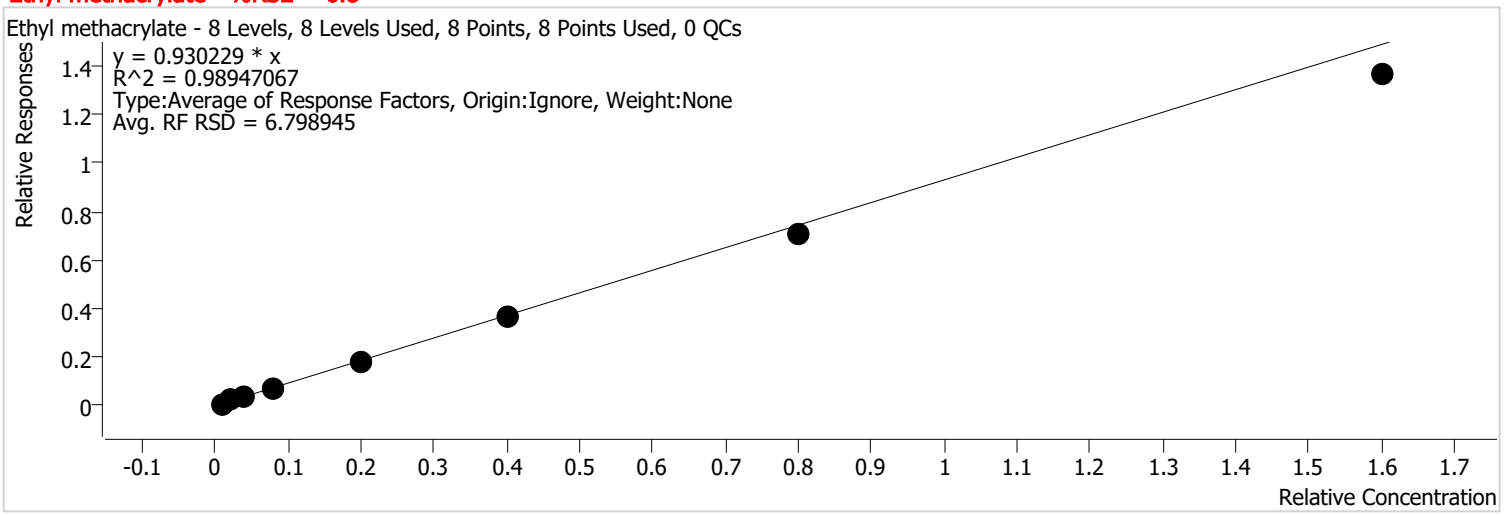
trans-1,3-Dichloropropylene %RSE = 17.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	5542	0.2000	1.0221	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	11076	0.5000	0.7783	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	23339	1.0000	0.8167	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	50810	2.0000	0.8943	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	140188	5.0000	0.9863	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	305360	10.0000	1.0703	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	692709	20.0000	1.1432	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1429799	40.0000	1.2016	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

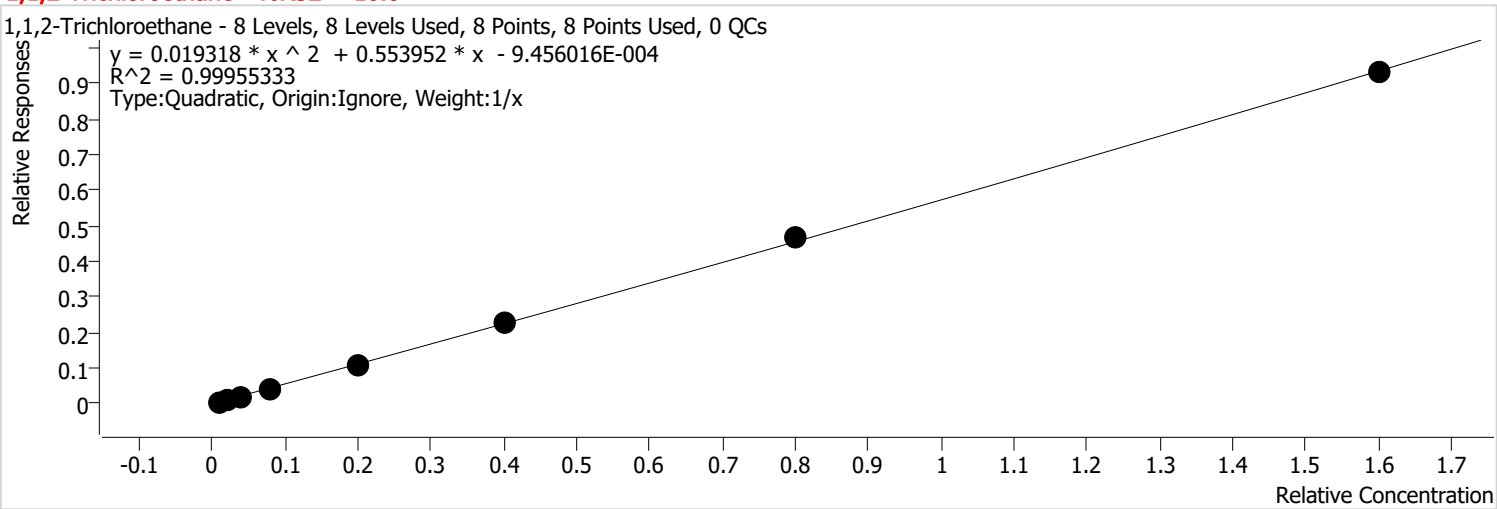
Ethyl methacrylate %RSE = 6.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	5333	0.2000	0.9836	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	15028	0.5000	1.0560	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	26759	1.0000	0.9364	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	51303	2.0000	0.9030	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	129005	5.0000	0.9077	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	260776	10.0000	0.9140	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	538579	20.0000	0.8888	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1014162	40.0000	0.8523	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:03 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

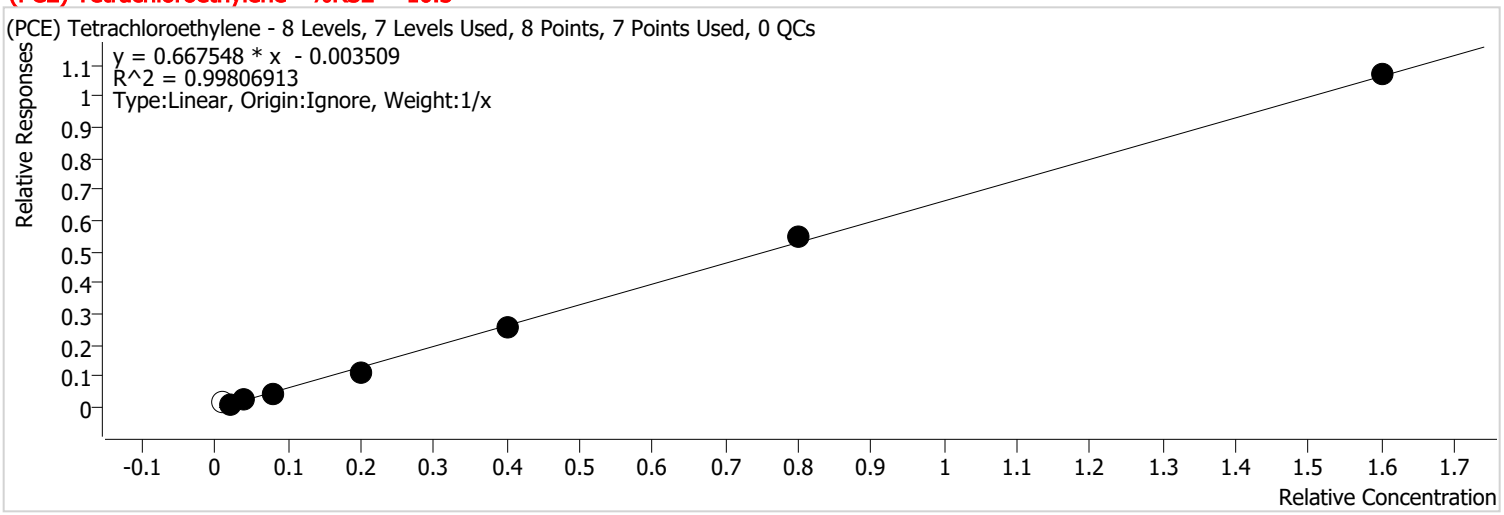
1,1,2-Trichloroethane %RSE = 10.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	2938	0.2000	0.5419	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	6742	0.5000	0.4737	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	13824	1.0000	0.4838	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	29525	2.0000	0.5197	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	76534	5.0000	0.5385	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	160803	10.0000	0.5636	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	351515	20.0000	0.5801	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	691731	40.0000	0.5814	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:03 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

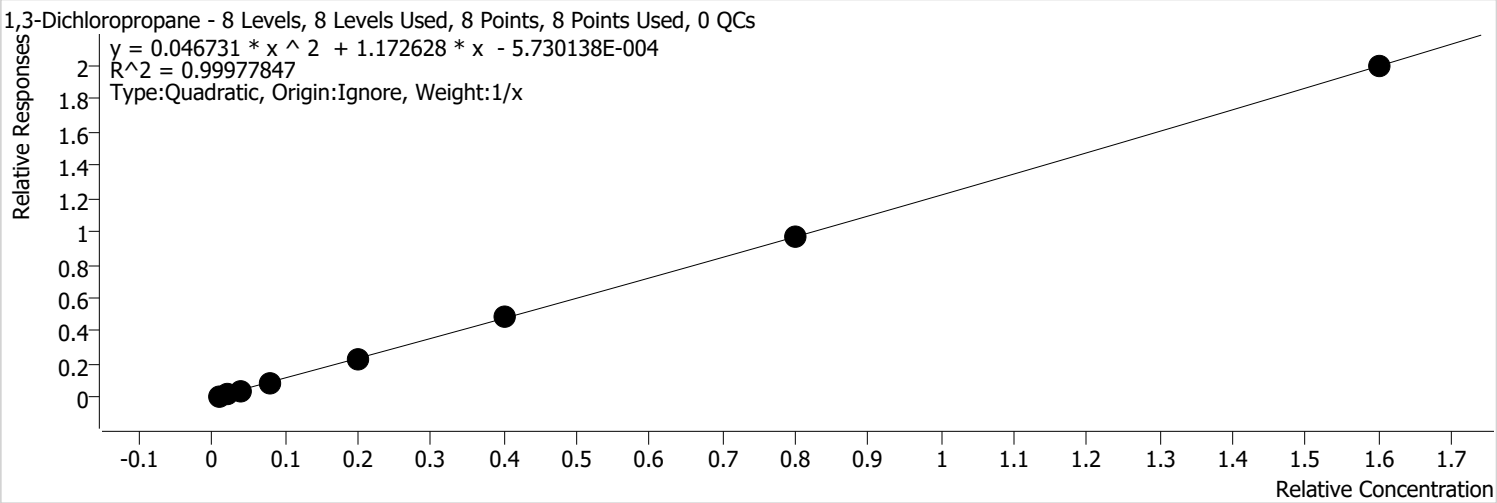
(PCE) Tetrachloroethylene %RSE = 10.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		9386	0.2000	1.7311	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	8708	0.5000	0.6119	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	16273	1.0000	0.5694	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	33213	2.0000	0.5846	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	80427	5.0000	0.5659	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	184808	10.0000	0.6477	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	414996	20.0000	0.6849	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	795417	40.0000	0.6685	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

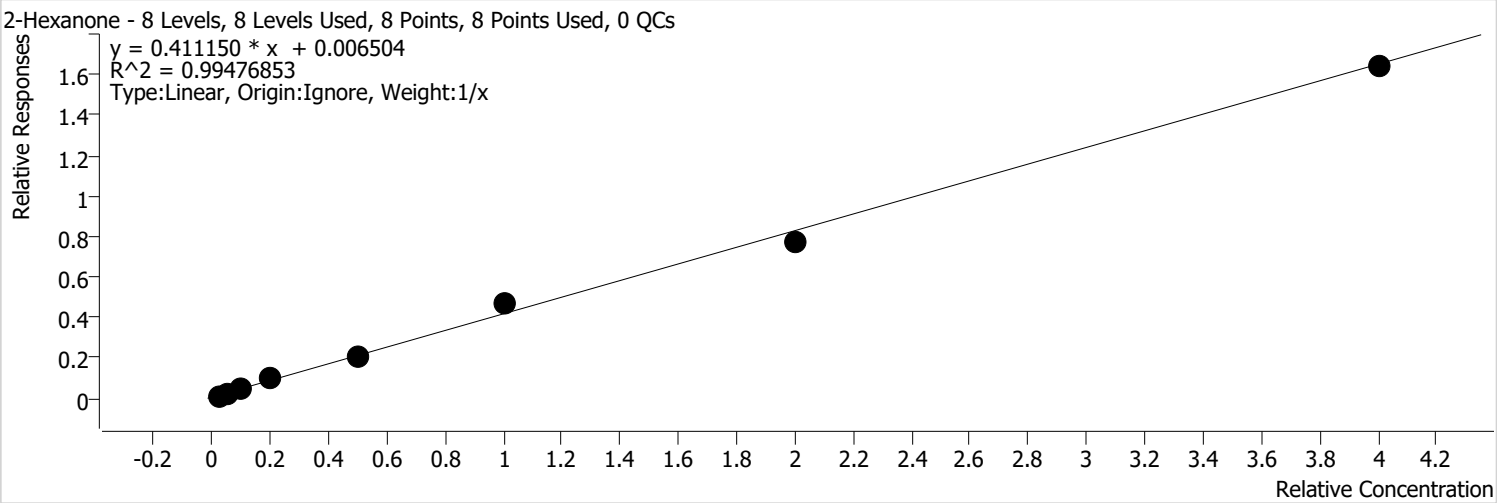
1,3-Dichloropropane %RSE = 7.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	6704	0.2000	1.2364	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	16294	0.5000	1.1450	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	29644	1.0000	1.0373	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	65155	2.0000	1.1468	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	166170	5.0000	1.1692	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	344376	10.0000	1.2070	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	735827	20.0000	1.2144	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1481373	40.0000	1.2450	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

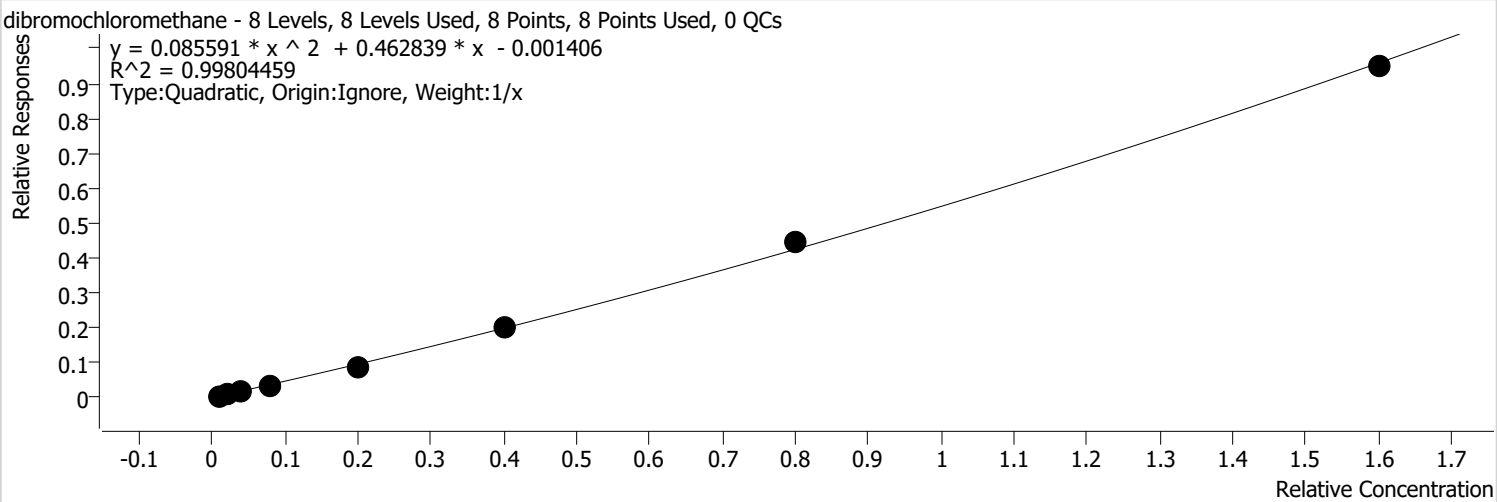
2-Hexanone %RSE = 15.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	8435	0.5000	0.6223	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	18511	1.2500	0.5203	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	37425	2.5000	0.5238	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	73890	5.0000	0.5202	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	144869	12.5000	0.4077	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	338049	25.0000	0.4739	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	588730	50.0000	0.3886	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1217999	100.0000	0.4095	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

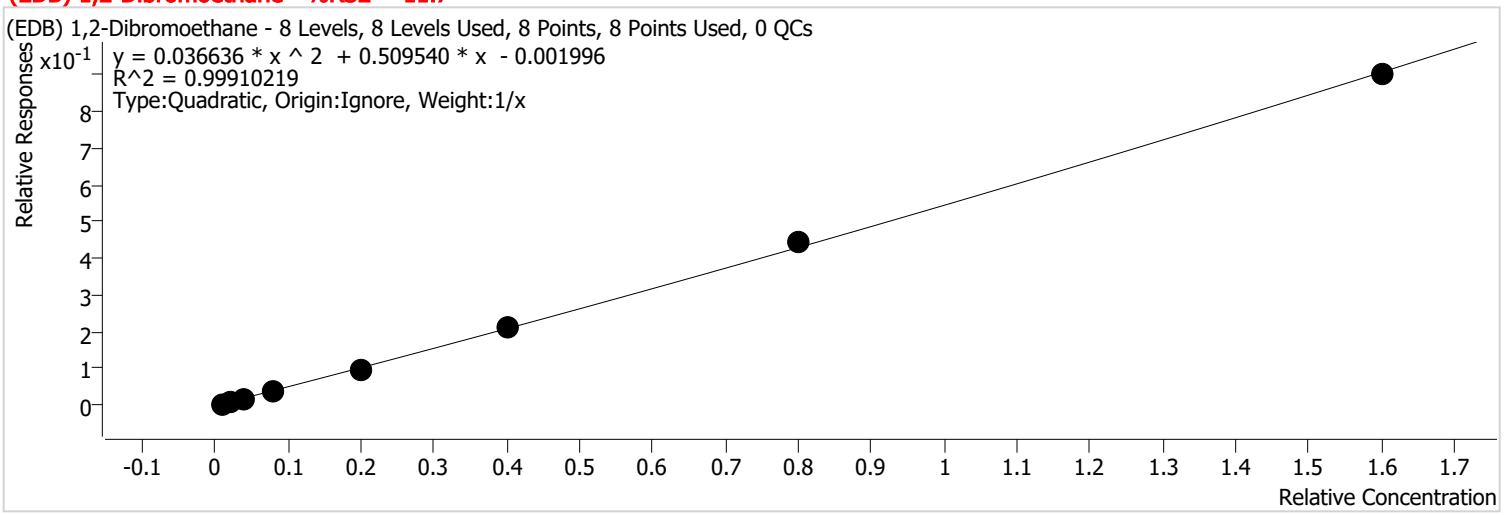
dibromochloromethane %RSE = 20.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	2561	0.2000	0.4722	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	4984	0.5000	0.3502	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	10086	1.0000	0.3529	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	22776	2.0000	0.4009	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	61683	5.0000	0.4340	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	142725	10.0000	0.5002	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	337776	20.0000	0.5574	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	704764	40.0000	0.5923	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

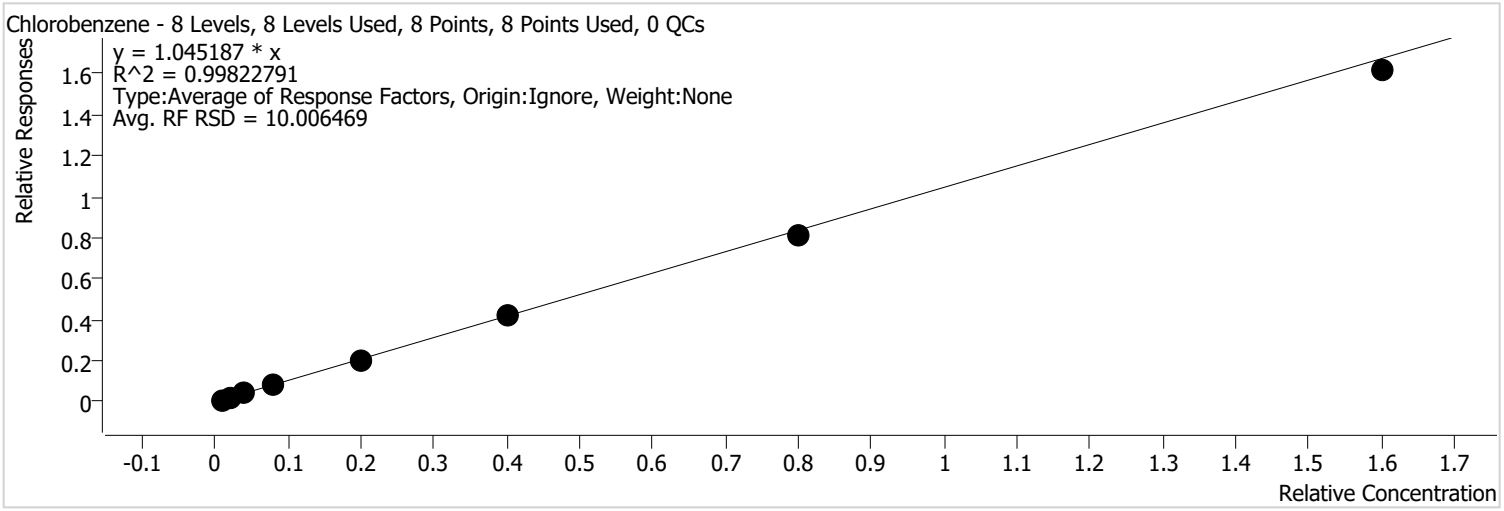
(EDB) 1,2-Dibromoethane %RSE = 11.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	1977	0.2000	0.3646	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	5896	0.5000	0.4143	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	11125	1.0000	0.3893	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	26038	2.0000	0.4583	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	68423	5.0000	0.4814	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	149515	10.0000	0.5240	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	335790	20.0000	0.5542	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	669503	40.0000	0.5627	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:03 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

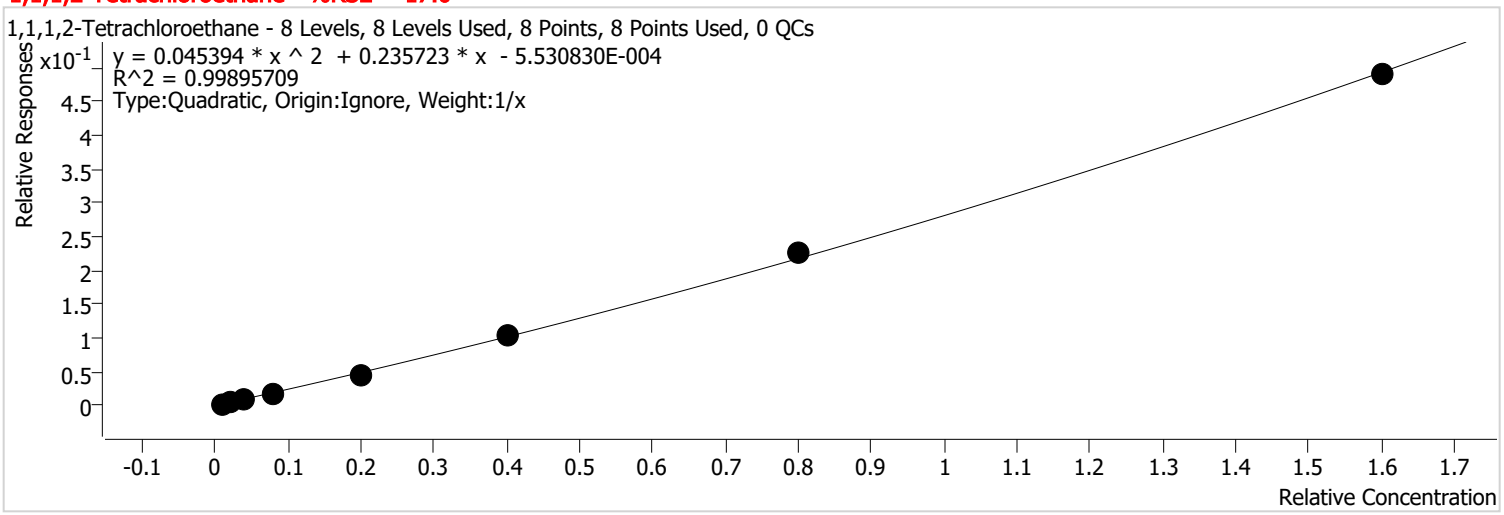
Chlorobenzene %RSE = 10.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	18178	0.2000	1.2997	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	35662	0.5000	0.9891	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	70152	1.0000	0.9785	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	146951	2.0000	1.0154	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	361534	5.0000	1.0079	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	751862	10.0000	1.0409	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	1561451	20.0000	1.0218	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	2909009	40.0000	1.0082	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

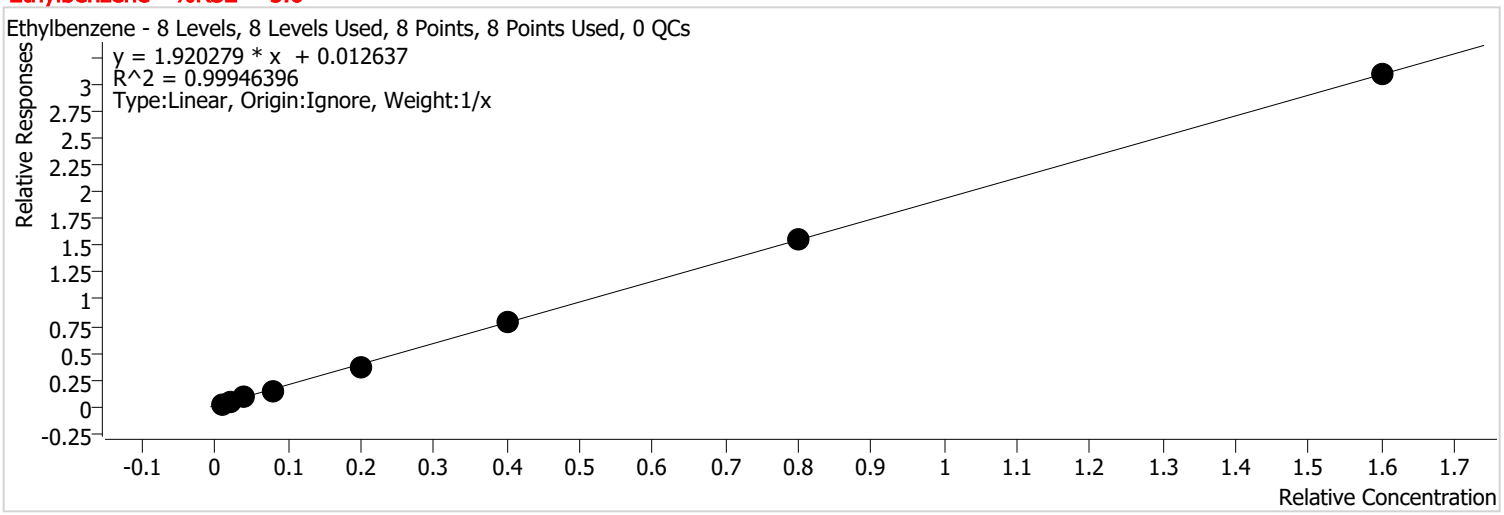
1,1,1,2-Tetrachloroethane %RSE = 17.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	3382	0.2000	0.2418	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	6946	0.5000	0.1927	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	12902	1.0000	0.1800	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	31897	2.0000	0.2204	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	82310	5.0000	0.2295	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	184420	10.0000	0.2553	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	428805	20.0000	0.2806	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	882230	40.0000	0.3058	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

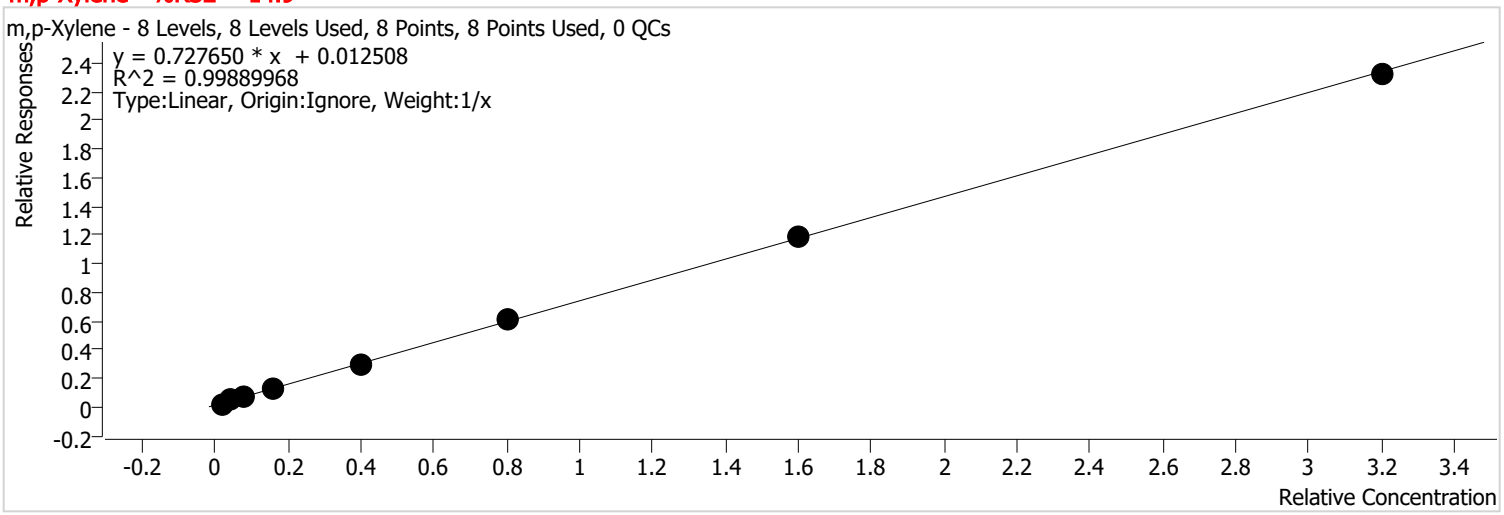
Ethylbenzene %RSE = 5.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	48711	0.2000	3.4828	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	96149	0.5000	2.6667	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	168970	1.0000	2.3568	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	275267	2.0000	1.9021	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	678926	5.0000	1.8927	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	1432477	10.0000	1.9832	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	2987529	20.0000	1.9549	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	5558973	40.0000	1.9267	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

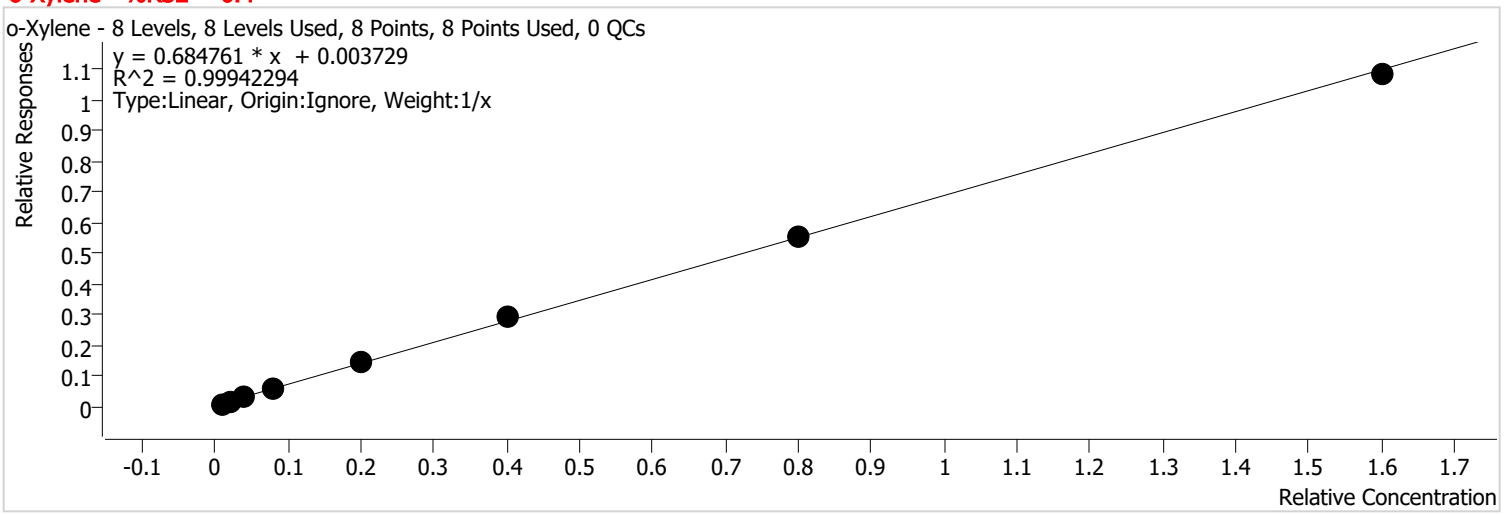
m,p-Xylene %RSE = 14.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	36879	0.4000	1.3184	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	84372	1.0000	1.1700	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	143259	2.0000	0.9991	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	217006	4.0000	0.7498	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	534416	10.0000	0.7449	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	1094879	20.0000	0.7579	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	2273837	40.0000	0.7440	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	4181647	80.0000	0.7247	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

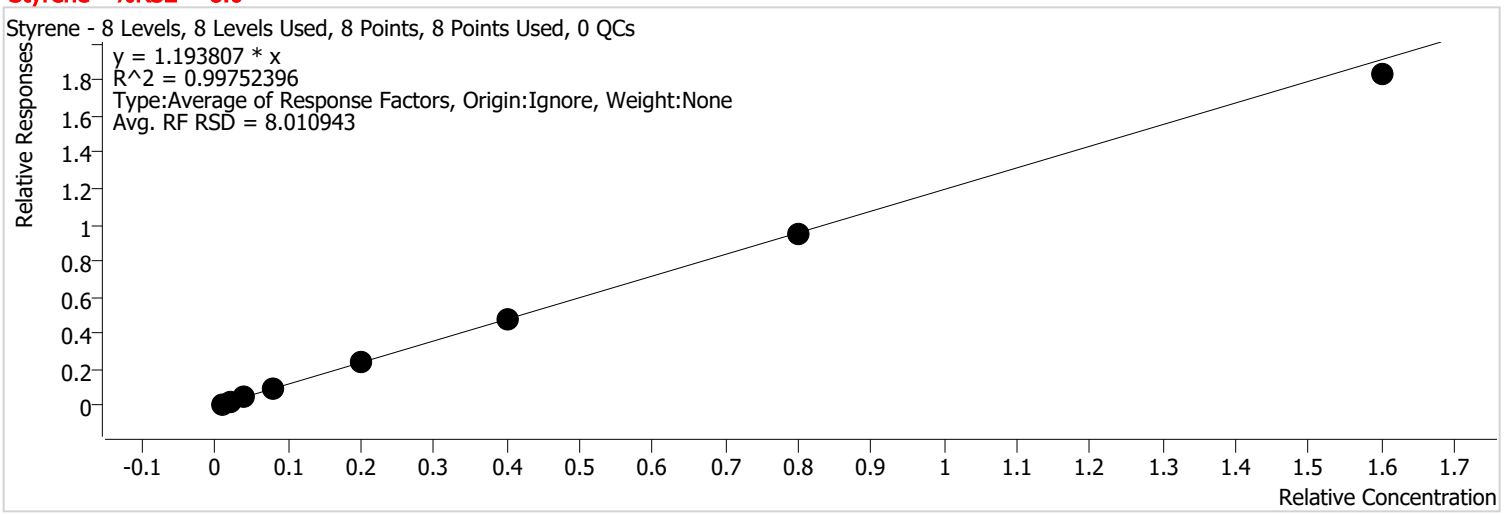
o-Xylene %RSE = 6.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	14897	0.2000	1.0651	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	32372	0.5000	0.8978	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	58972	1.0000	0.8225	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	103665	2.0000	0.7163	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	254014	5.0000	0.7082	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	524742	10.0000	0.7265	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	1057920	20.0000	0.6923	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1952470	40.0000	0.6767	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

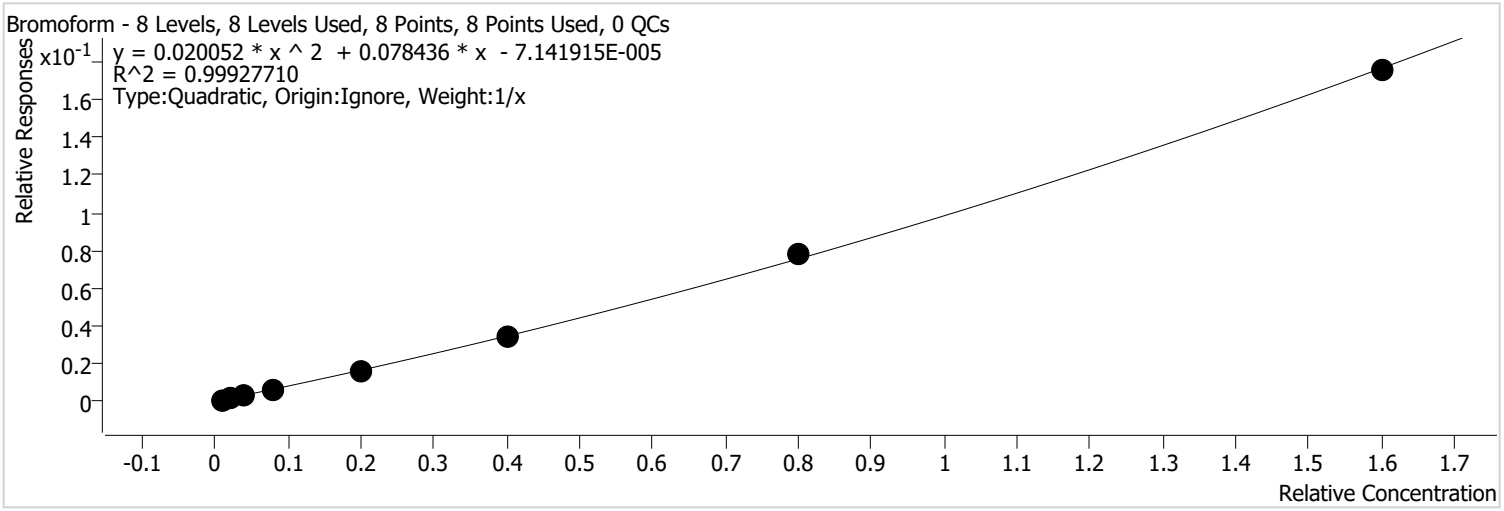
Styrene %RSE = 8.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	19770	0.2000	1.4135	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	40101	0.5000	1.1122	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	80308	1.0000	1.1201	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	169519	2.0000	1.1714	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	431870	5.0000	1.2040	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	871712	10.0000	1.2069	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	1803989	20.0000	1.1805	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	3294657	40.0000	1.1419	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

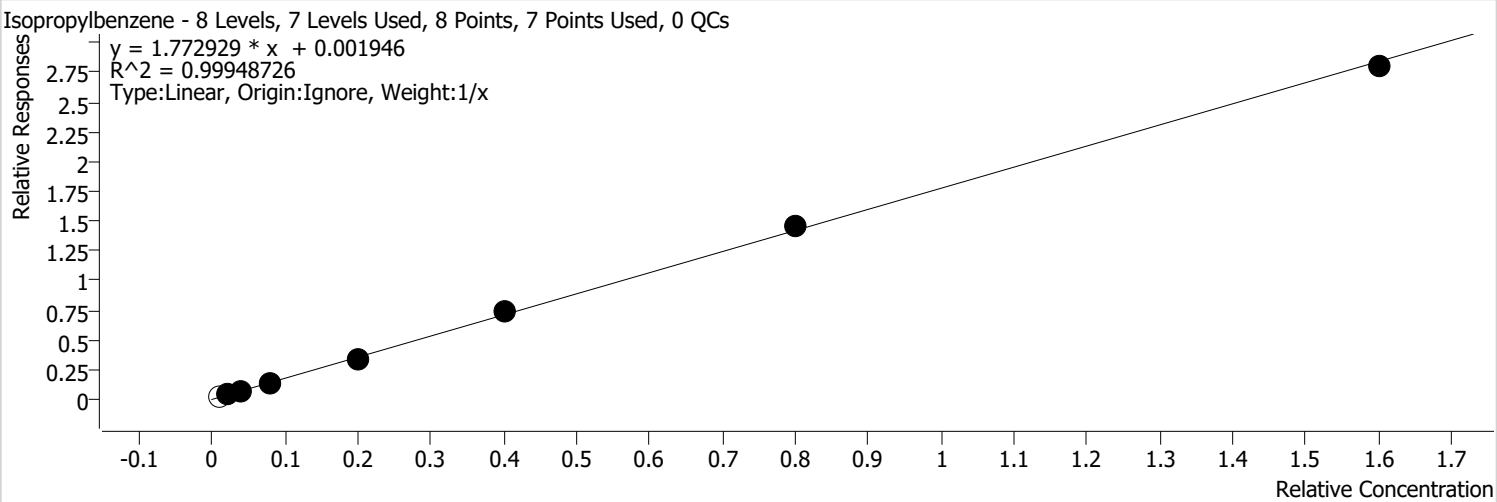
Bromoform %RSE = 10.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	1207	0.2000	0.0863	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	2593	0.5000	0.0719	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	5079	1.0000	0.0708	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	10731	2.0000	0.0742	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	28161	5.0000	0.0785	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	61572	10.0000	0.0852	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	150006	20.0000	0.0982	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	316421	40.0000	0.1097	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

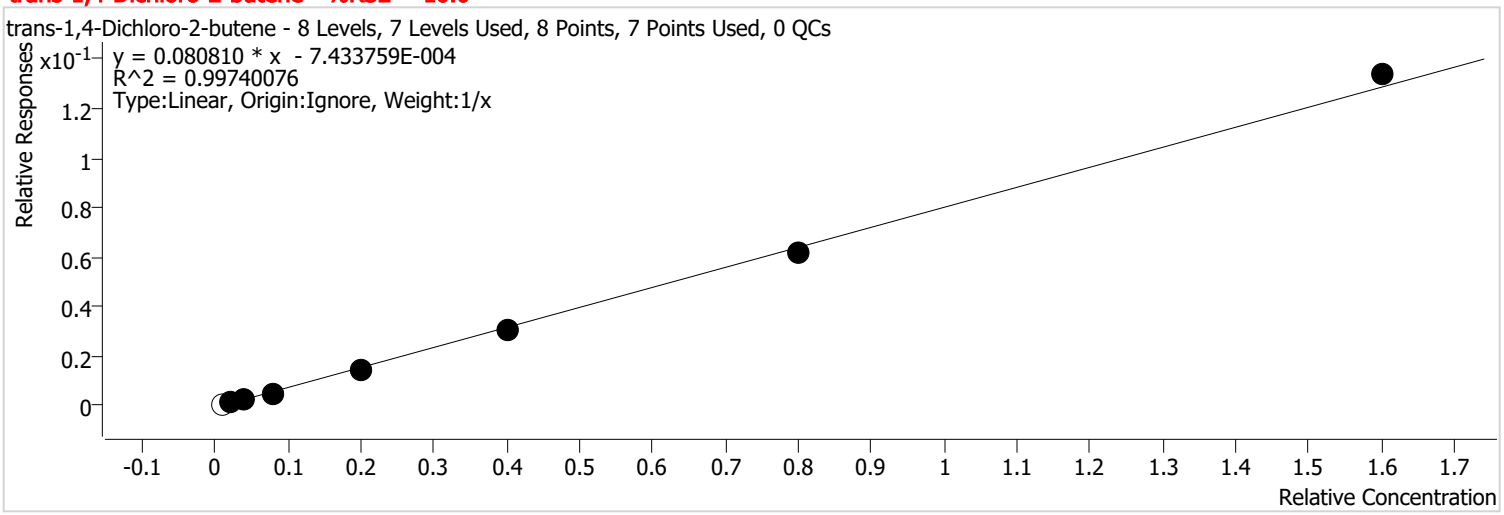
Isopropylbenzene %RSE = 3.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		56139	0.2000	4.0138	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	69609	0.5000	1.9306	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	125678	1.0000	1.7529	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	257654	2.0000	1.7804	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	625149	5.0000	1.7428	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	1319045	10.0000	1.8262	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	2779908	20.0000	1.8191	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	5040444	40.0000	1.7470	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:03 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

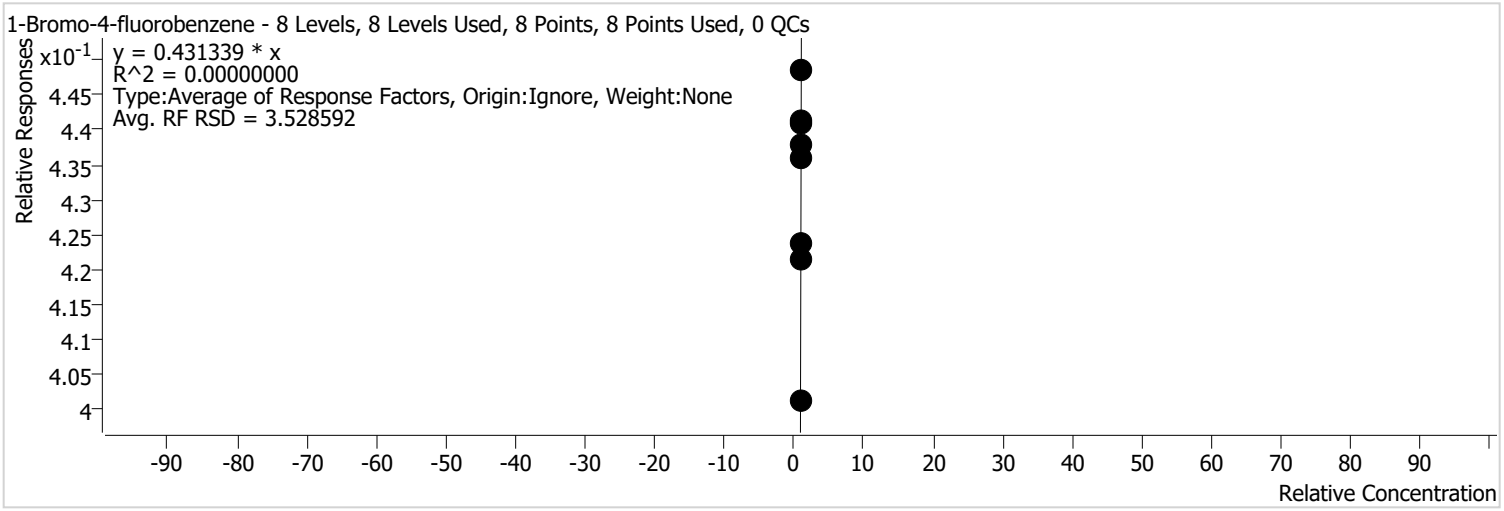
trans-1,4-Dichloro-2-butene %RSE = 10.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		1324	0.2000	0.0947	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	2071	0.5000	0.0574	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	4672	1.0000	0.0652	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	9468	2.0000	0.0654	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	24901	5.0000	0.0694	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	54343	10.0000	0.0752	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	118414	20.0000	0.0775	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	240889	40.0000	0.0835	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:03 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

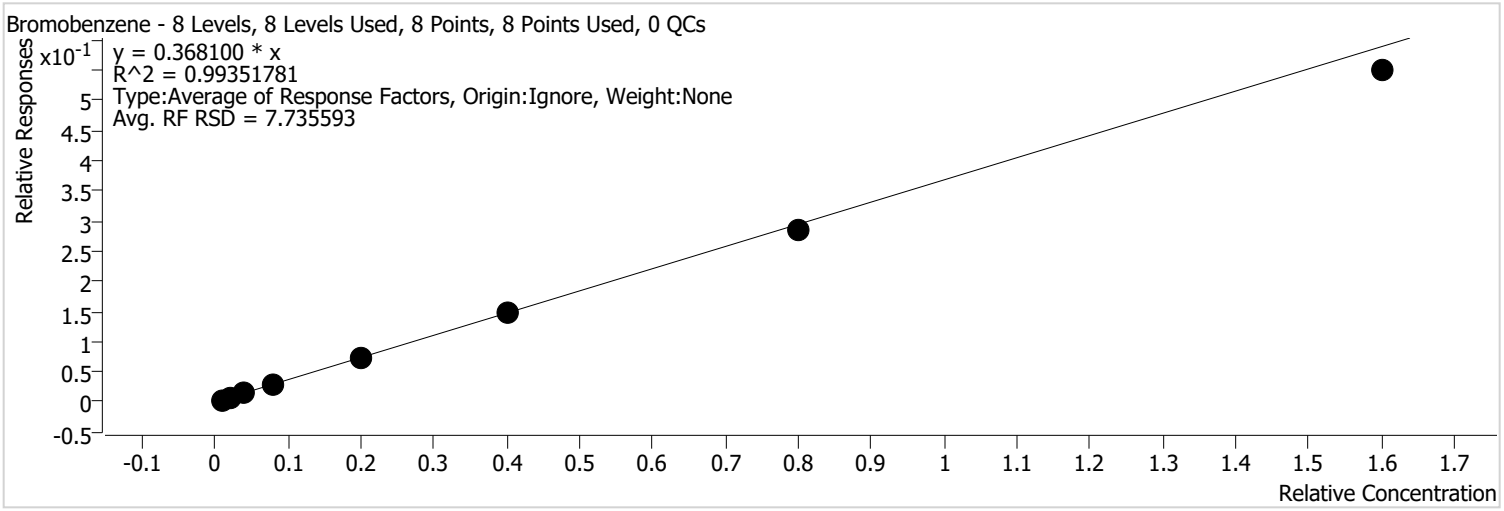
1-Bromo-4-fluorobenzene %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081562.D	Calibration	8	x	723363	25.0000	0.4011	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	809333	25.0000	0.4237	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	760818	25.0000	0.4213	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	781600	25.0000	0.4358	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	792342	25.0000	0.4380	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	790223	25.0000	0.4409	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	795683	25.0000	0.4414	
D:\GC-19\Data\081524\081555.D	Calibration	1	x	784130	25.0000	0.4485	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

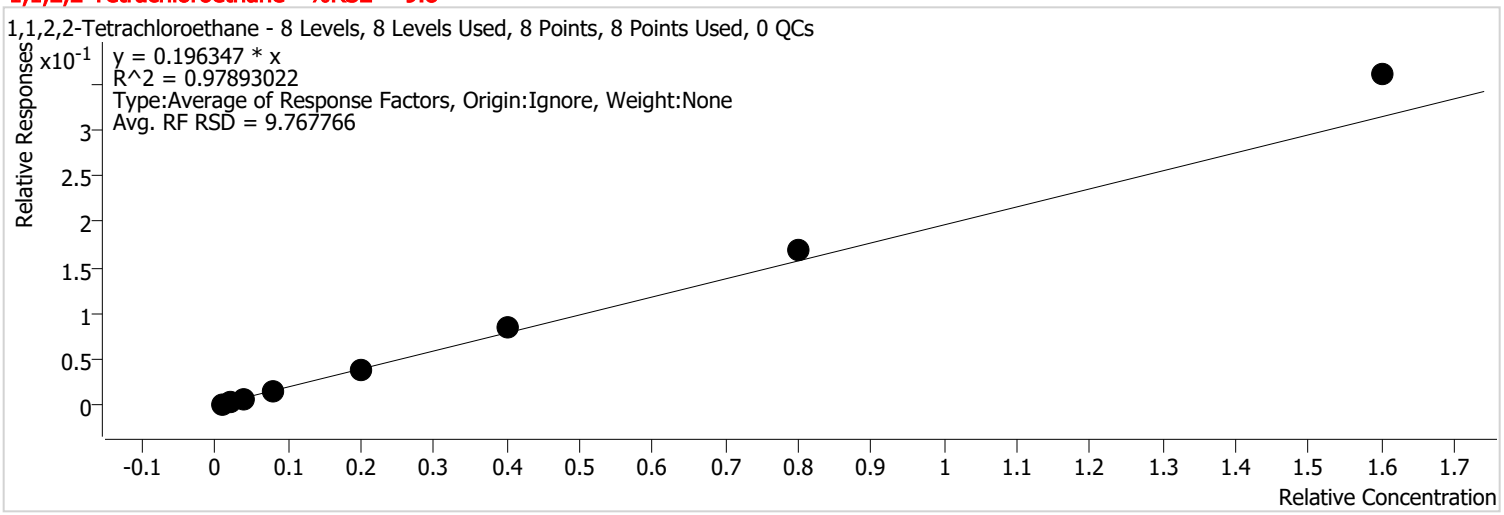
Bromobenzene %RSE = 7.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	6086	0.2000	0.4351	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	12690	0.5000	0.3520	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	25720	1.0000	0.3587	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	53742	2.0000	0.3714	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	128621	5.0000	0.3586	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	266064	10.0000	0.3684	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	546395	20.0000	0.3575	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	990056	40.0000	0.3431	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

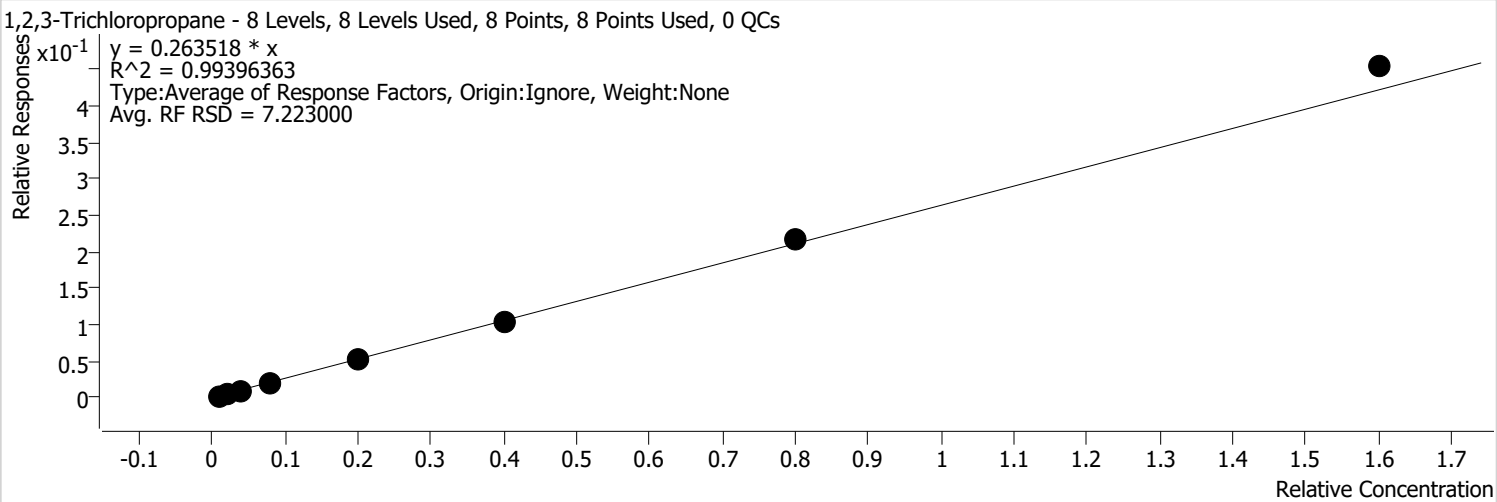
1,1,2,2-Tetrachloroethane %RSE = 9.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	2319	0.2000	0.1658	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	6802	0.5000	0.1886	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	12923	1.0000	0.1802	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	27873	2.0000	0.1926	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	69833	5.0000	0.1947	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	152595	10.0000	0.2113	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	324786	20.0000	0.2125	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	649197	40.0000	0.2250	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:03 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

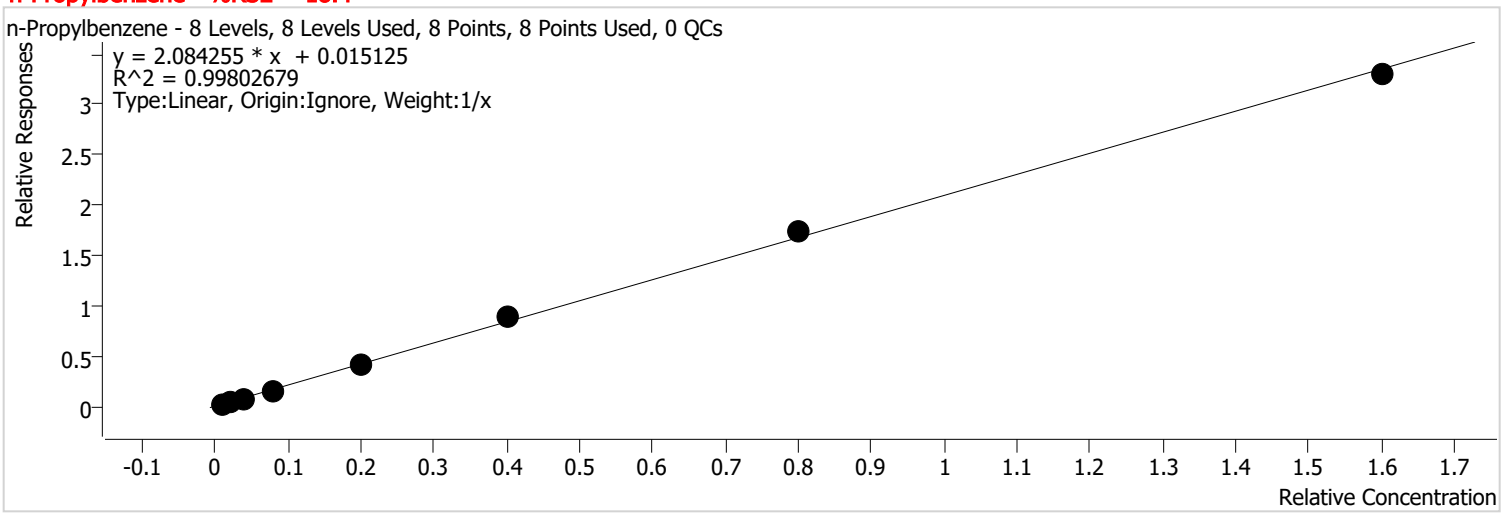
1,2,3-Trichloropropane %RSE = 7.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	4126	0.2000	0.2950	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	8606	0.5000	0.2387	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	17934	1.0000	0.2501	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	35620	2.0000	0.2461	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	94010	5.0000	0.2621	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	189415	10.0000	0.2622	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	413281	20.0000	0.2704	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	817711	40.0000	0.2834	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:03 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

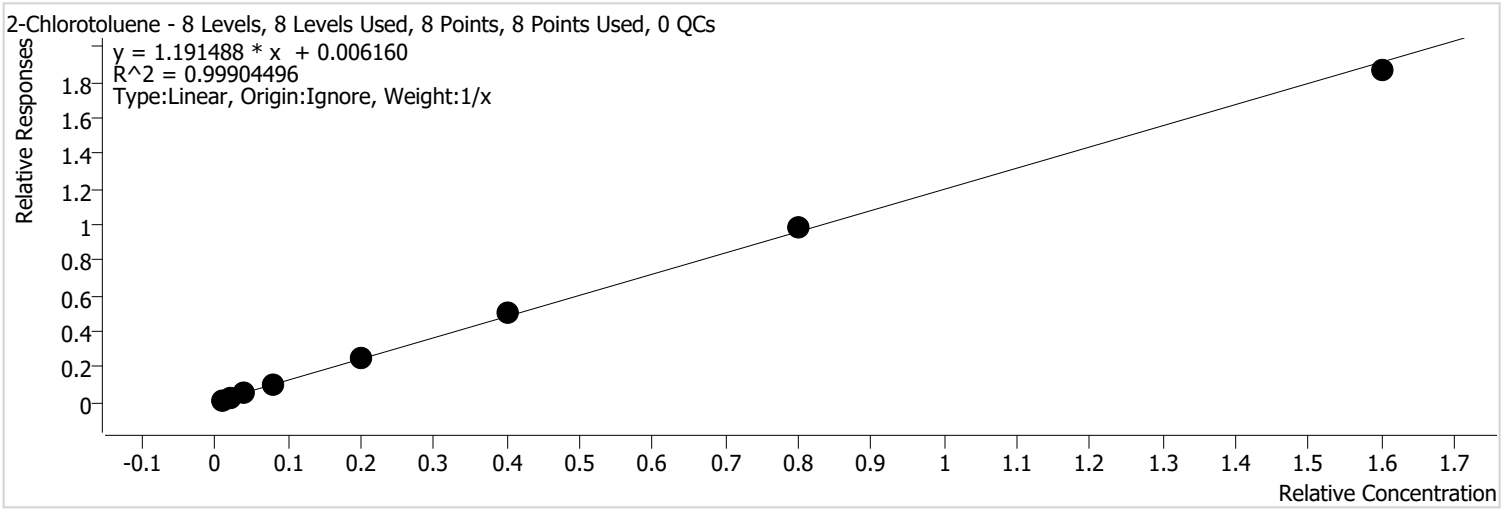
n-Propylbenzene %RSE = 18.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	66375	0.2000	4.7457	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	86734	0.5000	2.4056	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	160911	1.0000	2.2443	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	305203	2.0000	2.1090	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	742277	5.0000	2.0694	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	1602846	10.0000	2.2191	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	3329312	20.0000	2.1786	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	5938709	40.0000	2.0583	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:03 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

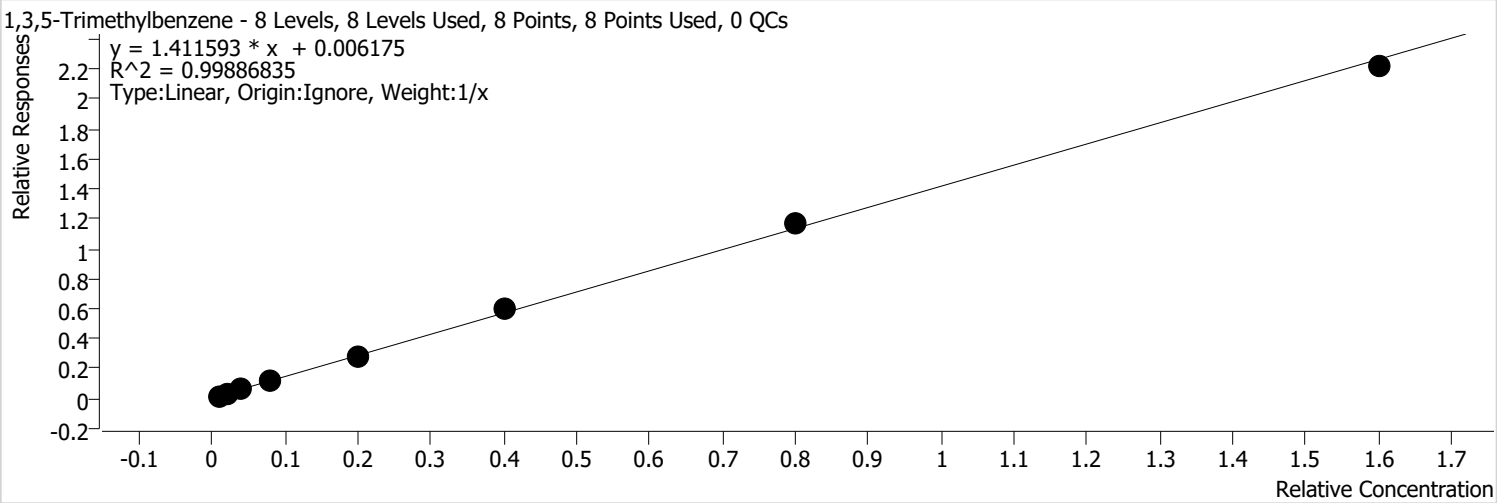
2-Chlorotoluene %RSE = 5.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	26259	0.2000	1.8775	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	51252	0.5000	1.4215	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	102373	1.0000	1.4279	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	183729	2.0000	1.2696	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	448023	5.0000	1.2490	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	914512	10.0000	1.2661	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	1867491	20.0000	1.2220	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	3361458	40.0000	1.1651	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:03 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

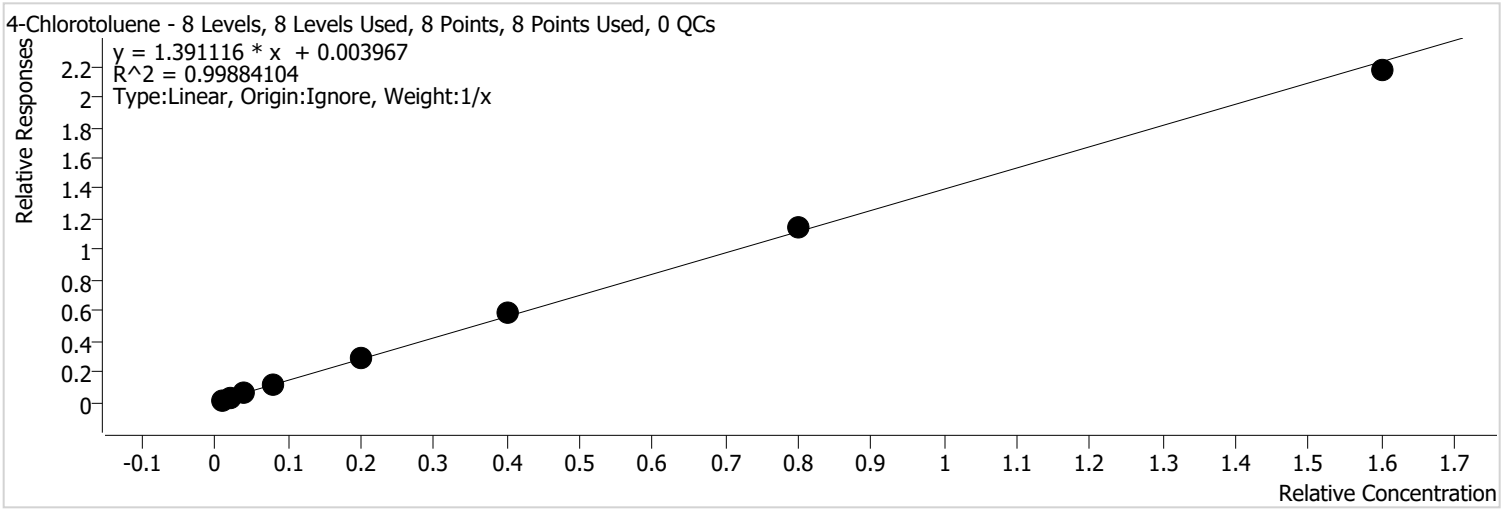
1,3,5-Trimethylbenzene %RSE = 6.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	32907	0.2000	2.3528	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	58786	0.5000	1.6304	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	109593	1.0000	1.5286	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	202712	2.0000	1.4008	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	504448	5.0000	1.4063	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	1075636	10.0000	1.4892	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	2246608	20.0000	1.4701	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	3995049	40.0000	1.3847	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
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Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

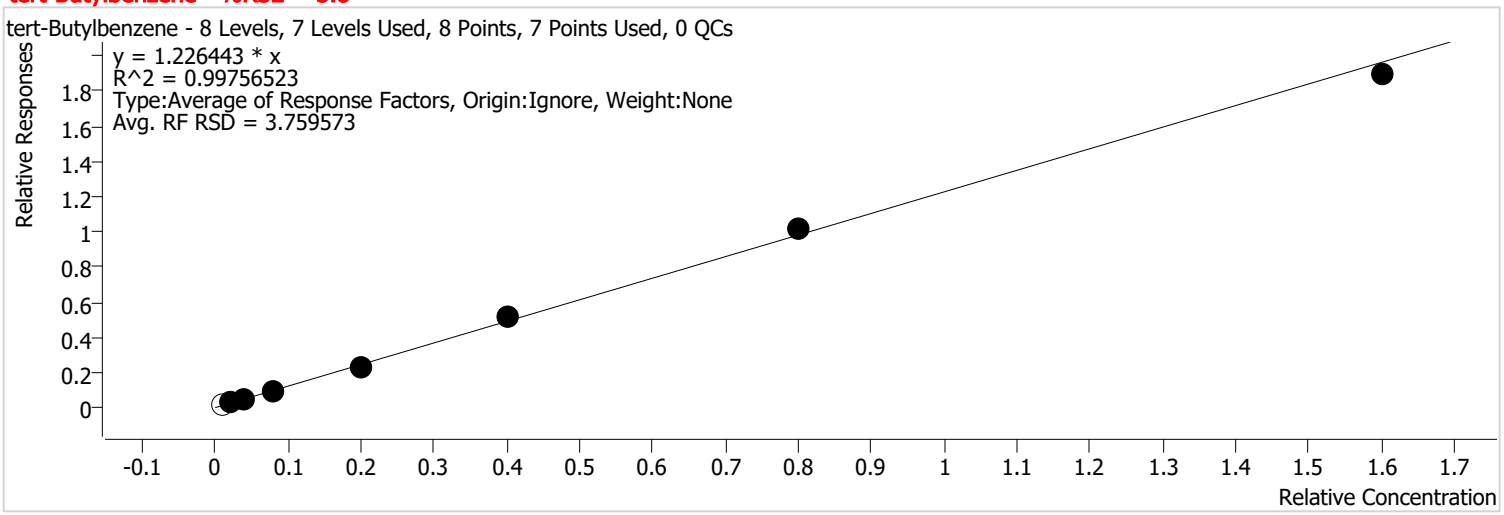
4-Chlorotoluene %RSE = 6.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	27634	0.2000	1.9758	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	52427	0.5000	1.4541	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	100122	1.0000	1.3965	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	212851	2.0000	1.4708	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	520873	5.0000	1.4521	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	1067479	10.0000	1.4779	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	2178201	20.0000	1.4253	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	3914384	40.0000	1.3567	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:03 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

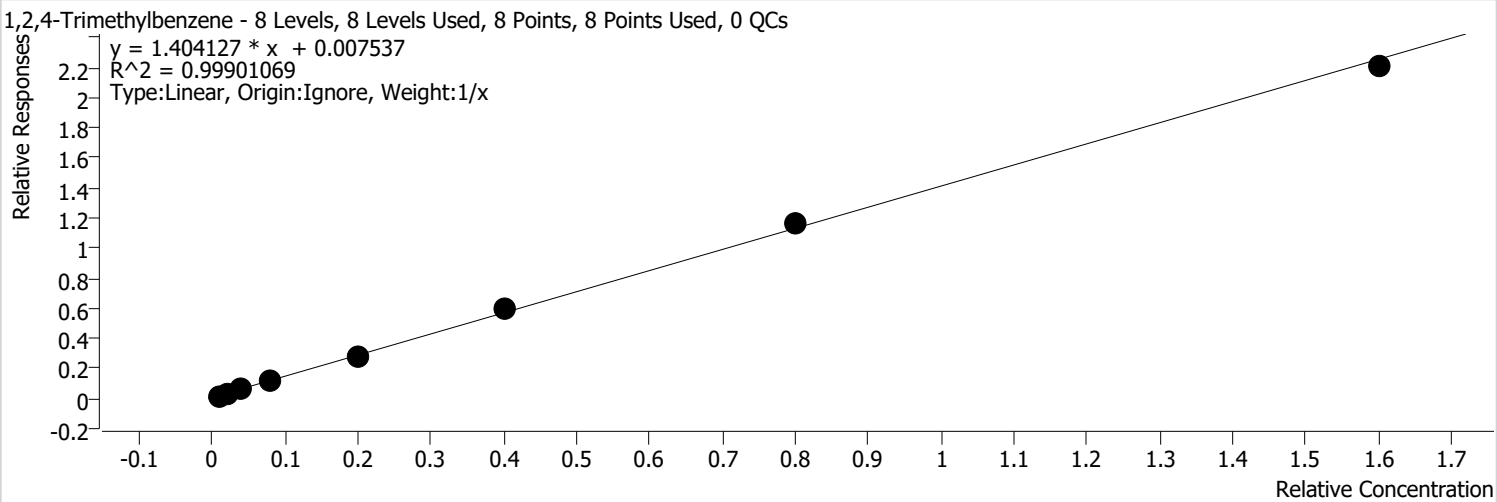
tert-Butylbenzene %RSE = 3.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		39097	0.2000	2.7954	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	45379	0.5000	1.2586	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	84892	1.0000	1.1840	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	176972	2.0000	1.2229	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	422729	5.0000	1.1785	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	929190	10.0000	1.2865	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	1944056	20.0000	1.2721	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	3411859	40.0000	1.1825	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:03 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

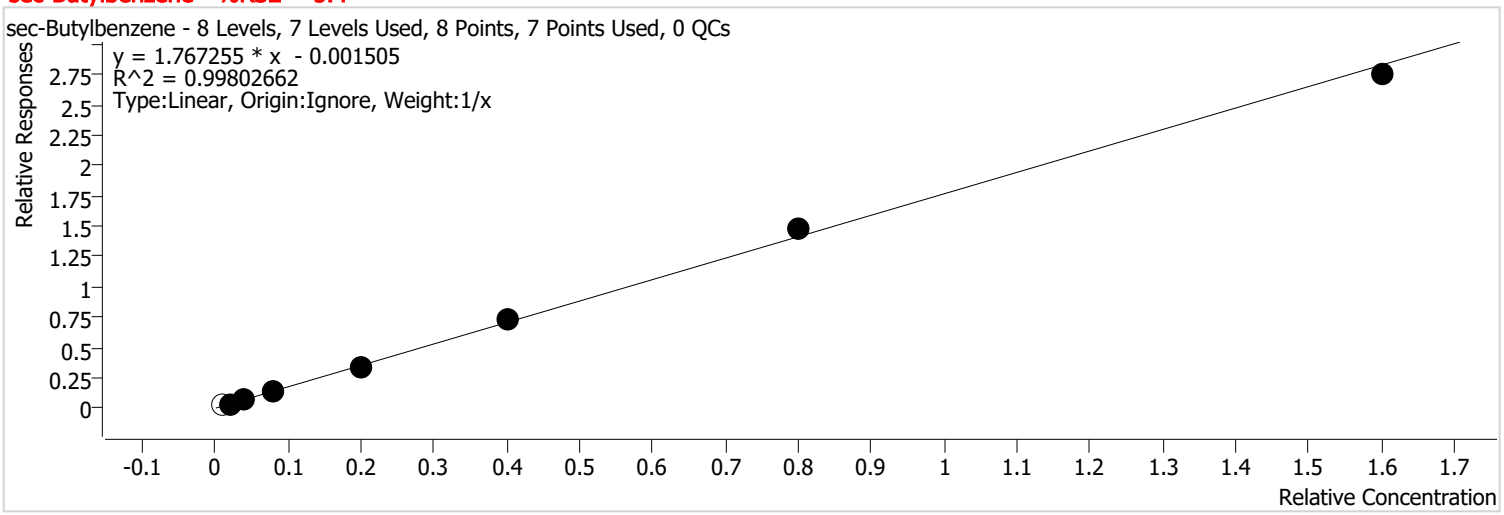
1,2,4-Trimethylbenzene %RSE = 6.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	31181	0.2000	2.2294	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	64393	0.5000	1.7859	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	124215	1.0000	1.7325	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	205239	2.0000	1.4182	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	511719	5.0000	1.4266	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	1071947	10.0000	1.4841	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	2216984	20.0000	1.4507	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	3975599	40.0000	1.3779	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:03 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

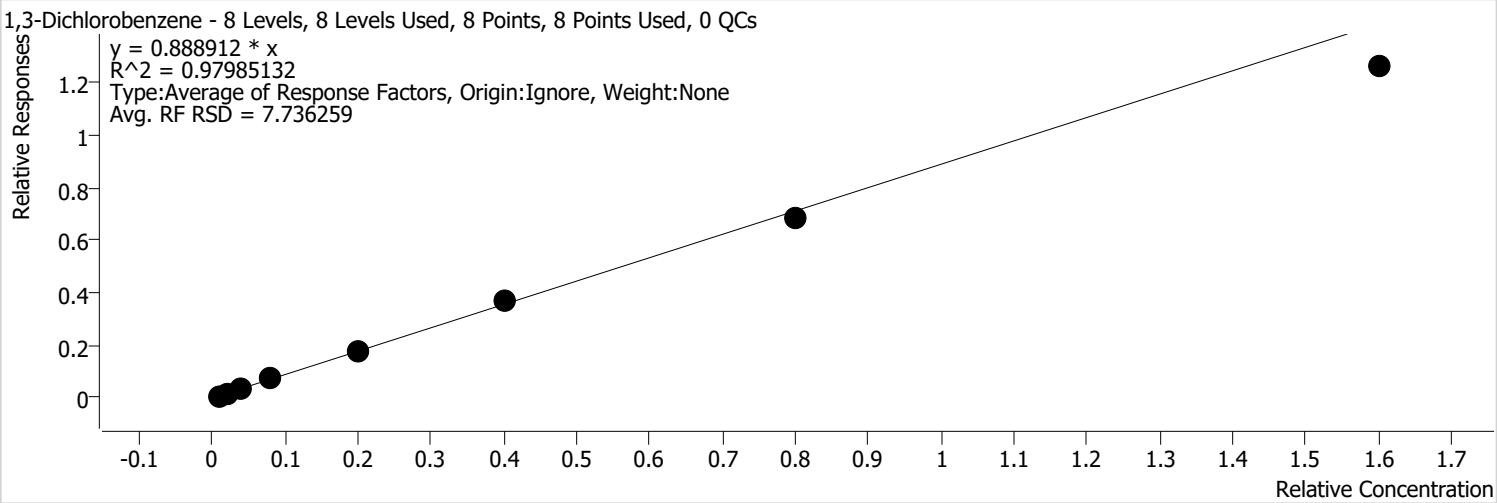
sec-Butylbenzene %RSE = 5.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		67196	0.2000	4.8044	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	64414	0.5000	1.7865	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	120629	1.0000	1.6825	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	242813	2.0000	1.6779	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	593121	5.0000	1.6535	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	1340478	10.0000	1.8559	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	2830181	20.0000	1.8520	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	4953169	40.0000	1.7167	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:03 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

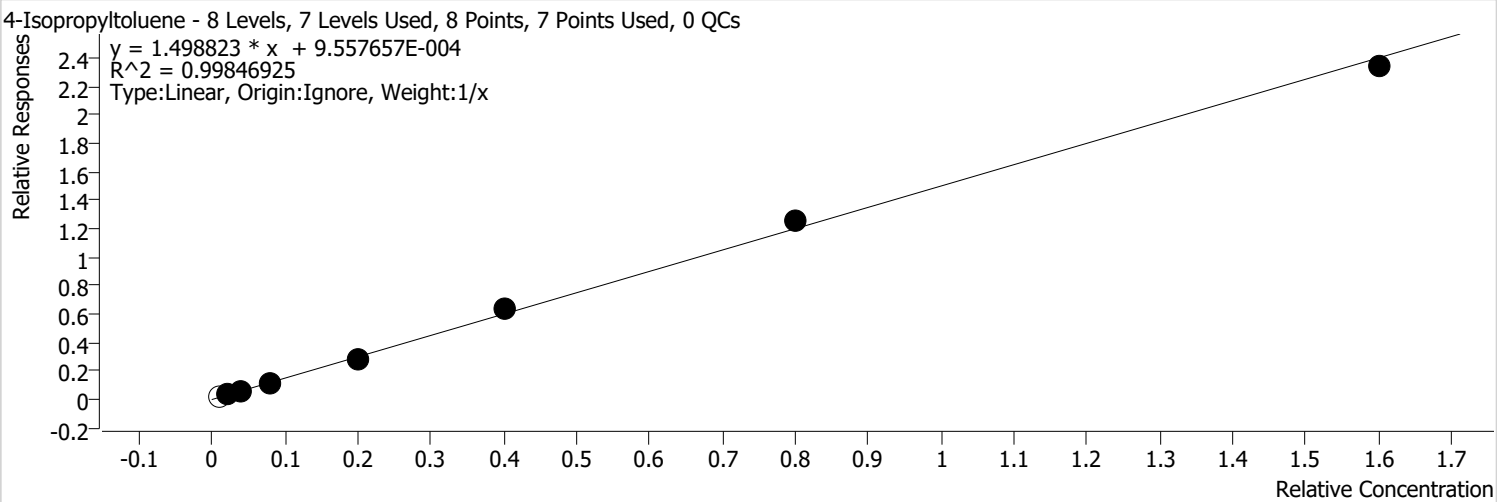
1,3-Dichlorobenzene %RSE = 7.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	11410	0.2000	1.0295	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	24765	0.5000	0.8653	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	49450	1.0000	0.8809	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	100703	2.0000	0.8992	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	252077	5.0000	0.8833	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	522673	10.0000	0.9159	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	1059018	20.0000	0.8499	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1860544	40.0000	0.7873	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:03 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

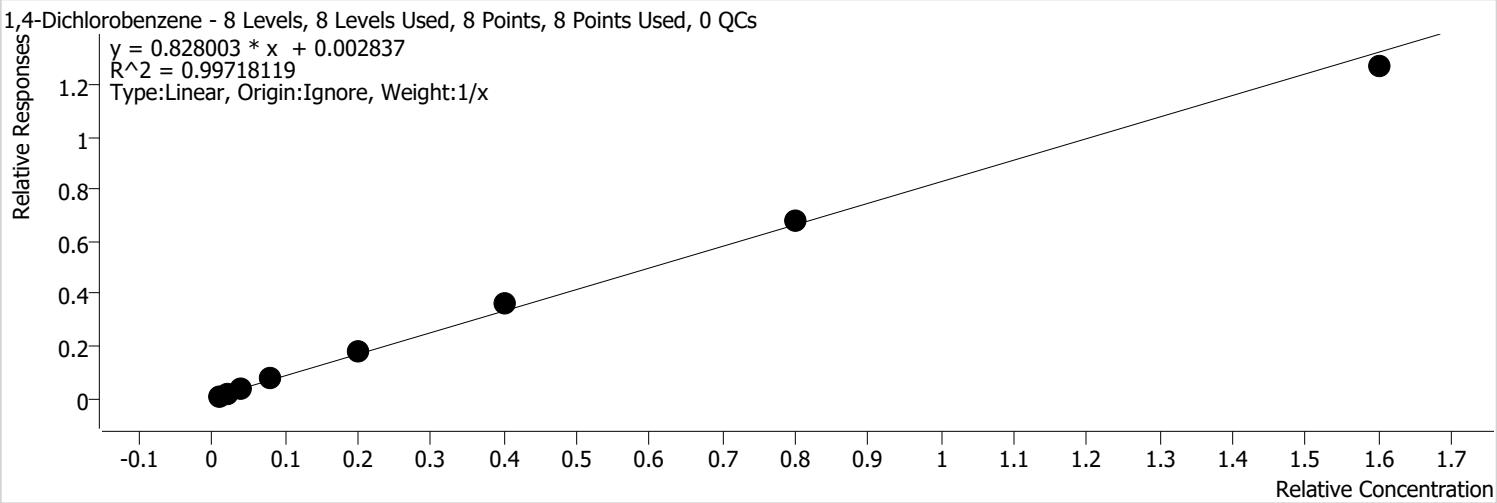
4-Isopropyltoluene %RSE = 4.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		47003	0.2000	3.3606	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	57173	0.5000	1.5857	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	107056	1.0000	1.4932	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	213751	2.0000	1.4770	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	512475	5.0000	1.4287	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	1138824	10.0000	1.5767	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	2387659	20.0000	1.5624	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	4214368	40.0000	1.4607	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:03 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

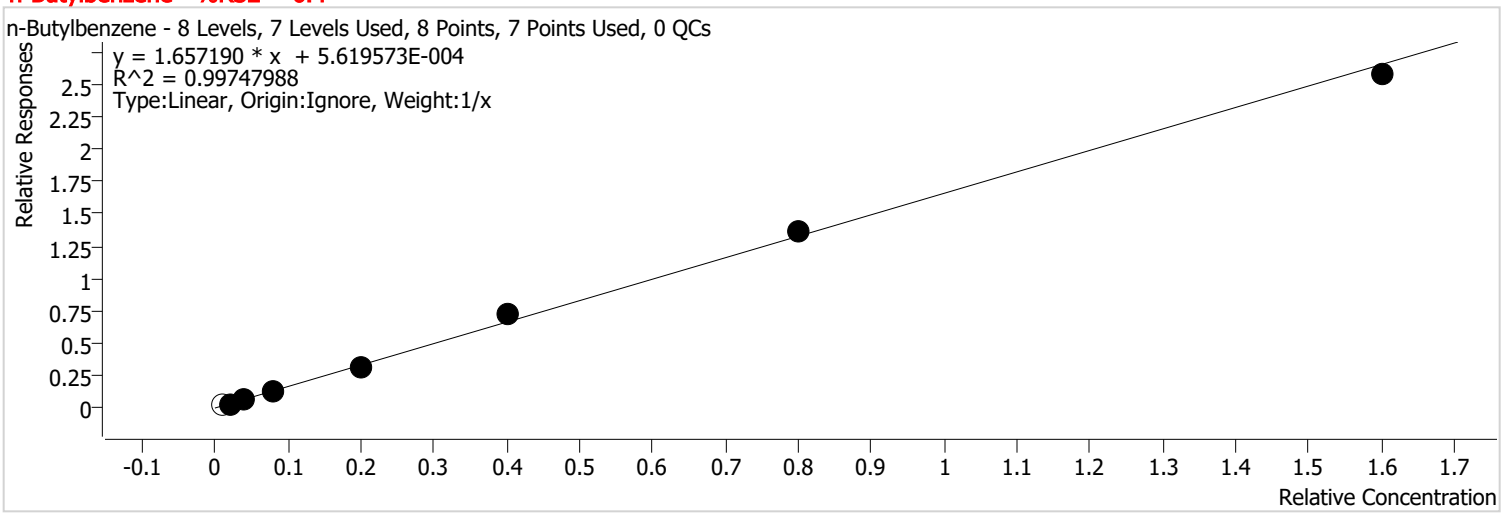
1,4-Dichlorobenzene %RSE = 8.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	12363	0.2000	1.1155	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	25080	0.5000	0.8763	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	49118	1.0000	0.8750	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	106199	2.0000	0.9483	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	252698	5.0000	0.8855	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	518898	10.0000	0.9093	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	1057455	20.0000	0.8487	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1879044	40.0000	0.7951	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:03 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

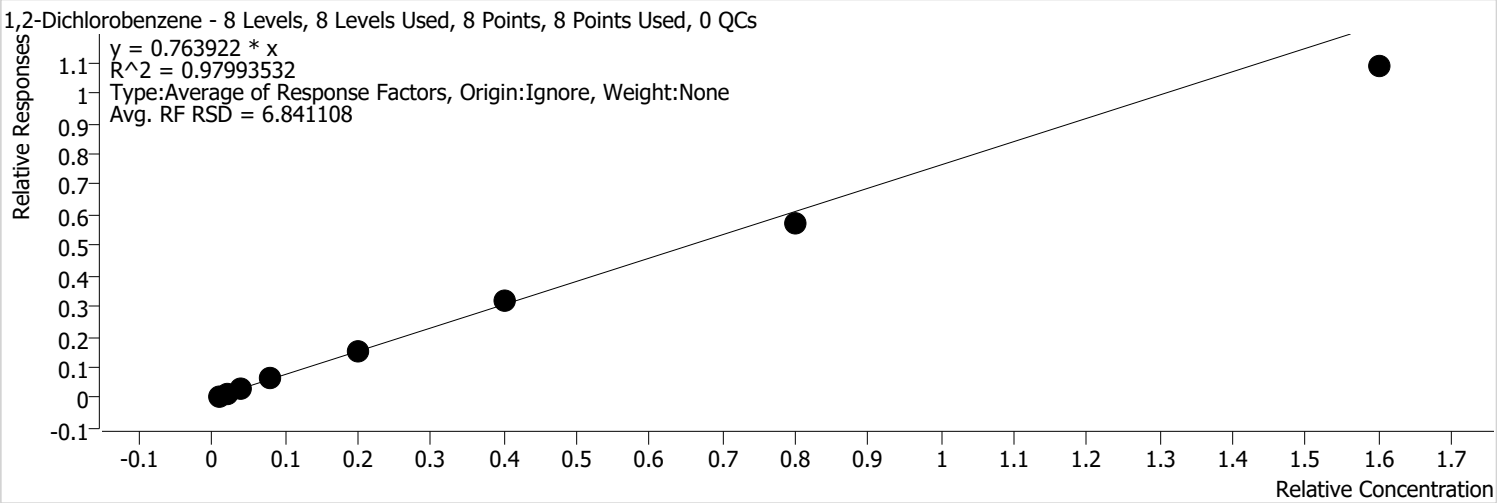
n-Butylbenzene %RSE = 6.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		45673	0.2000	4.1210	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	50576	0.5000	1.7671	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	88533	1.0000	1.5771	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	181533	2.0000	1.6209	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	444601	5.0000	1.5580	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	1033023	10.0000	1.8102	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	2134856	20.0000	1.7134	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	3800438	40.0000	1.6082	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:03 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

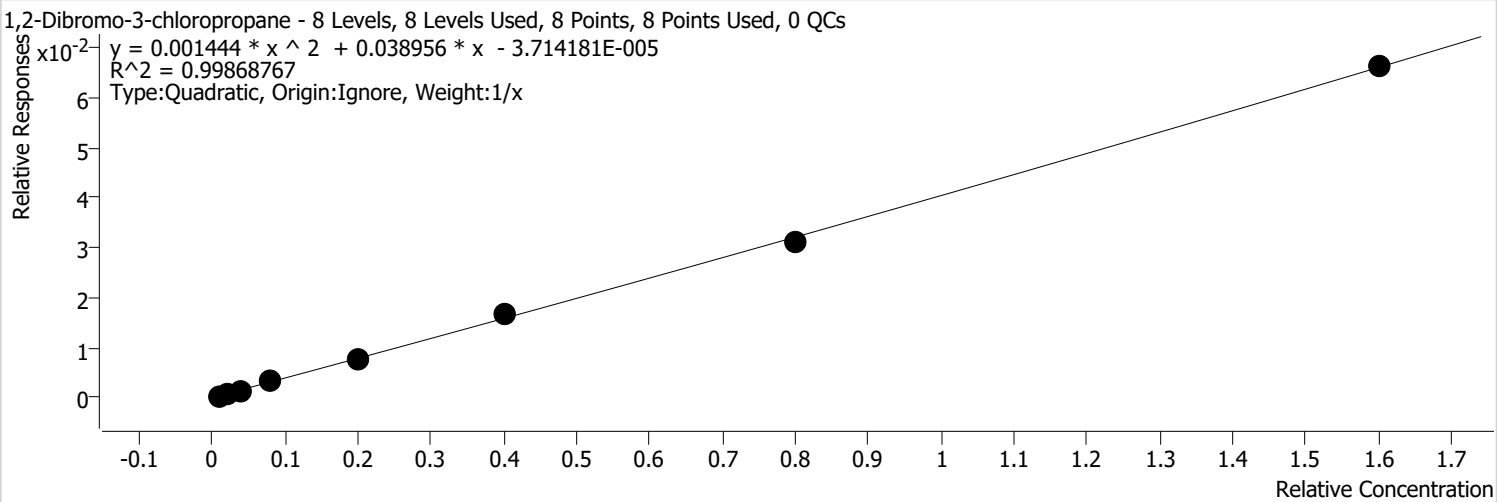
1,2-Dichlorobenzene %RSE = 6.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	9434	0.2000	0.8512	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	21330	0.5000	0.7453	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	42734	1.0000	0.7612	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	86948	2.0000	0.7764	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	222024	5.0000	0.7780	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	457681	10.0000	0.8020	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	895541	20.0000	0.7187	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1603483	40.0000	0.6785	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:03 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

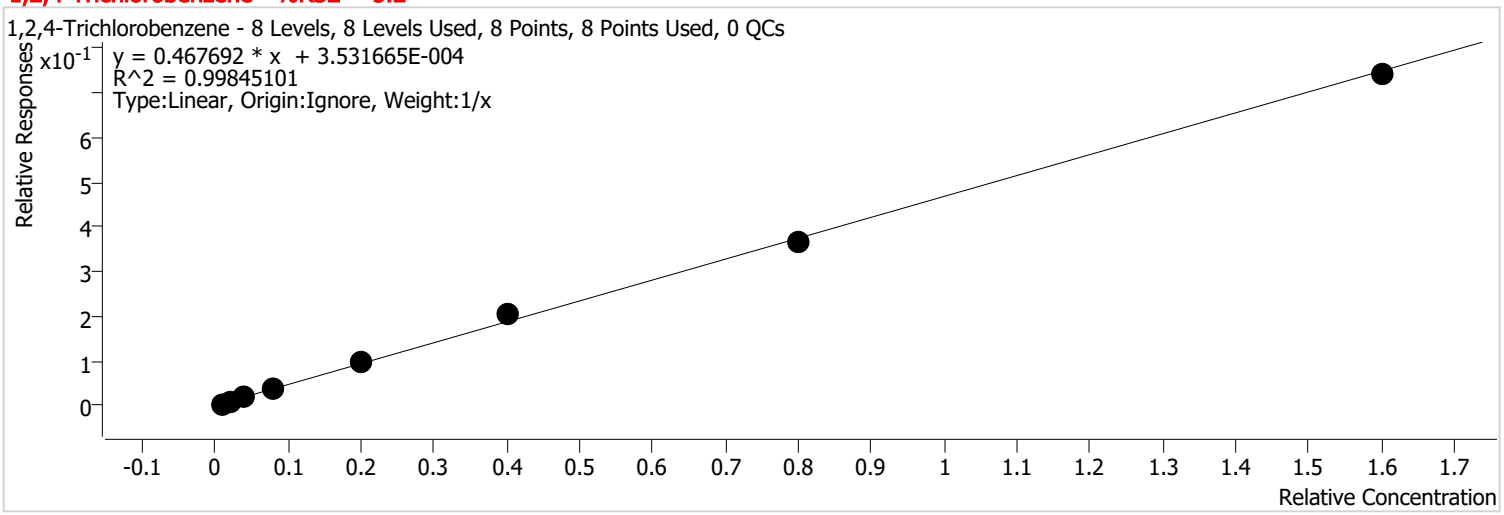
1,2-Dibromo-3-chloropropane %RSE = 9.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	439	0.2000	0.0396	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	1057	0.5000	0.0369	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	1826	1.0000	0.0325	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	4366	2.0000	0.0390	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	10604	5.0000	0.0372	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	24143	10.0000	0.0423	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	48747	20.0000	0.0391	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	97675	40.0000	0.0413	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:03 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

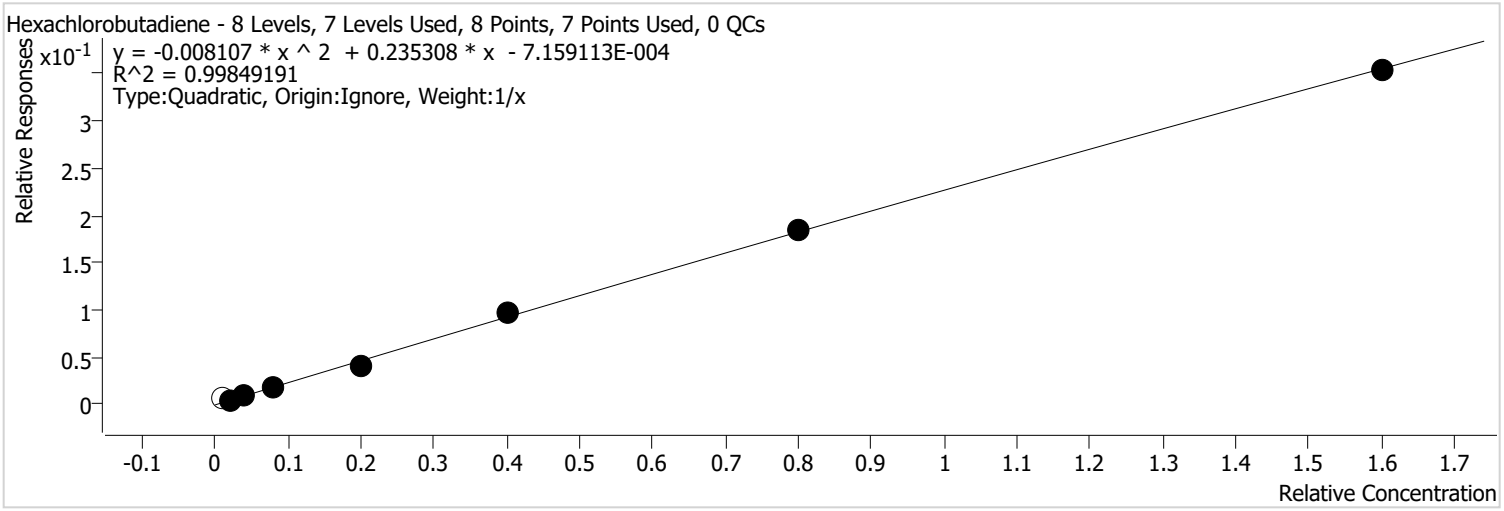
1,2,4-Trichlorobenzene %RSE = 5.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	5621	0.2000	0.5071	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	12859	0.5000	0.4493	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	26715	1.0000	0.4759	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	53501	2.0000	0.4777	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	137330	5.0000	0.4812	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	291729	10.0000	0.5112	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	566611	20.0000	0.4547	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	1093438	40.0000	0.4627	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:03 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

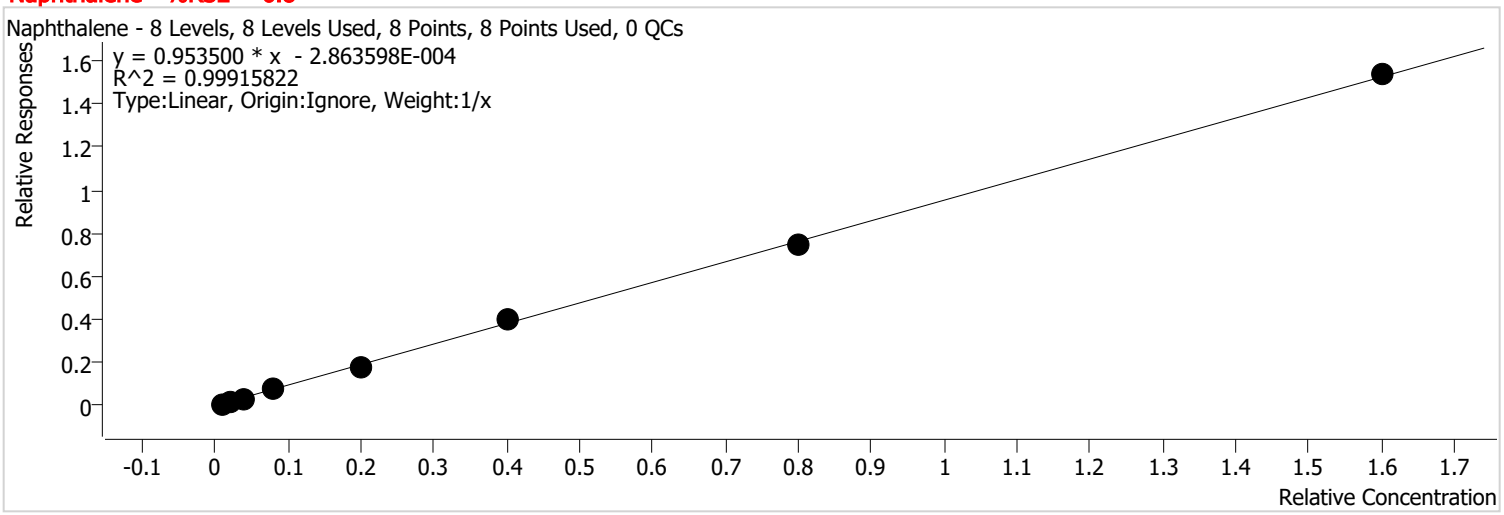
Hexachlorobutadiene %RSE = 9.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1		7735	0.2000	0.6979	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	6692	0.5000	0.2338	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	11498	1.0000	0.2048	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	23838	2.0000	0.2129	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	59255	5.0000	0.2076	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	137357	10.0000	0.2407	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	288924	20.0000	0.2319	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	521409	40.0000	0.2206	

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:03 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Naphthalene %RSE = 6.8

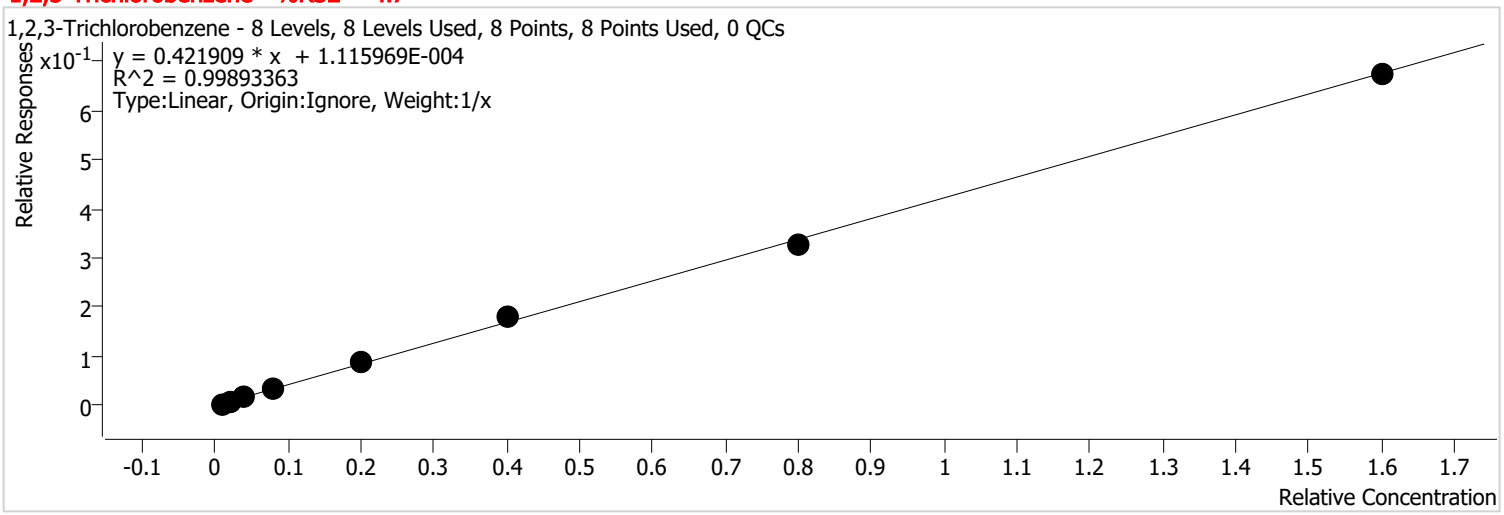


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	11445	0.2000	1.0327	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	25826	0.5000	0.9024	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	48860	1.0000	0.8704	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	107078	2.0000	0.9561	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	260537	5.0000	0.9130	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	571698	10.0000	1.0018	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	1156795	20.0000	0.9284	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	2268221	40.0000	0.9598	

Calibration Report

Batch Path	D:\GC-19\Data\081524\QuantResults\voc s ical.batch.bin		
Analysis Time	8/19/2024 12:33 PM	**Analyst Name**	FA\GC19
Report Time	8/19/2024 12:34:03 PM	**Reporter Name**	FA\GC19
Last Calib Update	8/19/2024 12:17 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,2,3-Trichlorobenzene %RSE = 4.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\081524\081555.D	Calibration	1	x	4881	0.2000	0.4404	
D:\GC-19\Data\081524\081556.D	Calibration	2	x	11364	0.5000	0.3971	
D:\GC-19\Data\081524\081557.D	Calibration	3	x	23268	1.0000	0.4145	
D:\GC-19\Data\081524\081558.D	Calibration	4	x	48818	2.0000	0.4359	
D:\GC-19\Data\081524\081559.D	Calibration	5	x	123229	5.0000	0.4318	
D:\GC-19\Data\081524\081560.D	Calibration	6	x	257659	10.0000	0.4515	
D:\GC-19\Data\081524\081561.D	Calibration	7	x	509333	20.0000	0.4088	
D:\GC-19\Data\081524\081562.D	Calibration	8	x	992796	40.0000	0.4201	

VOC Soil Calibration

Fremont

Date: 3/14/24

Analyst: KS

Instrument: 6019

Cal	ICV
8260 Standard: [illegible]	**8260 Standard:** [illegible]

IS/Surrogate 3020

Cal Level	Spike Conc. (ppb)	Cal 8260 Spike (uL)	ICV 8260 Spike (uL)	Amount MeOH (mL)	Final Vol. (mL)	Comments
1	0.2	0.50	--	1.00	50	
2	0.5	1.25	--	1.00	50	
3	1	2.50	--	1.00	50	
4	2	5.00	--	1.00	50	
5	5	12.50	--	1.00	50	
6	10	25.00	--	1.00	50	
7	20	50.00	--	1.00	50	
8	40	100.00	--	1.00	50	
	ICV (20 ppb)	--	50.00	1.00	50	

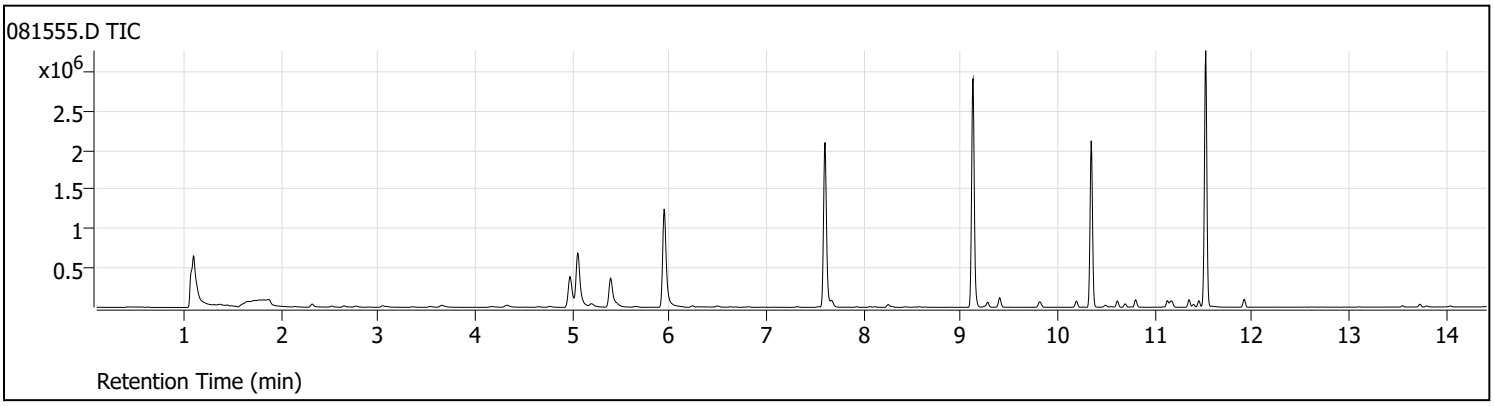
Signature and Date: [signature] 3/14/24

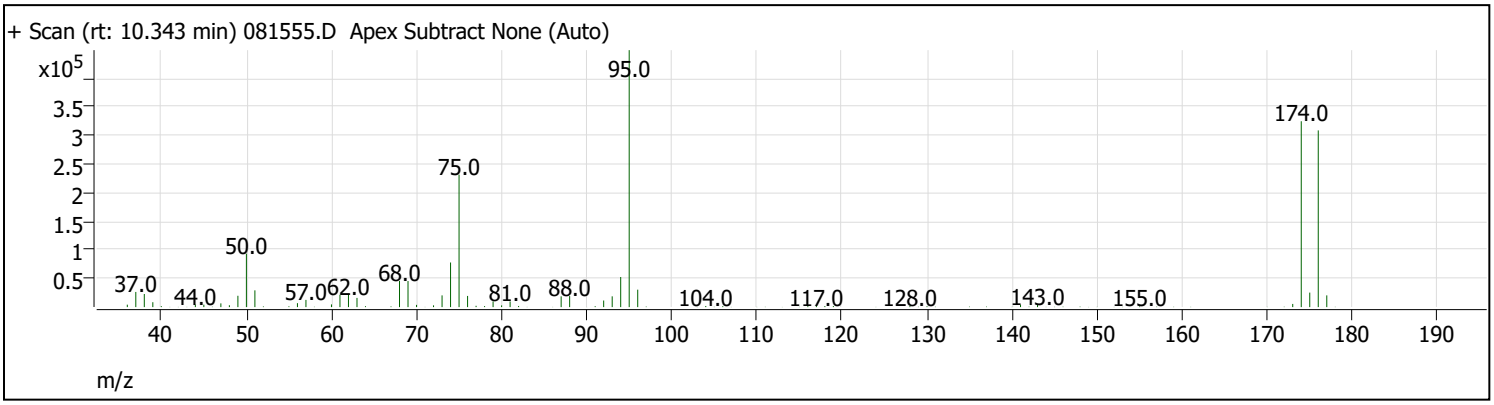
Signature: AK

Tunes

Tune Evaluation Report

Data Path:	D:\GC-19\Data\081524\081555.D
Acq on:	8/16/2024 8:34:42 PM
Operator:	FA\GC19
Sample:	VOC S ICAL 1
Inst Name:	GC19
ALS Vial:	41
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

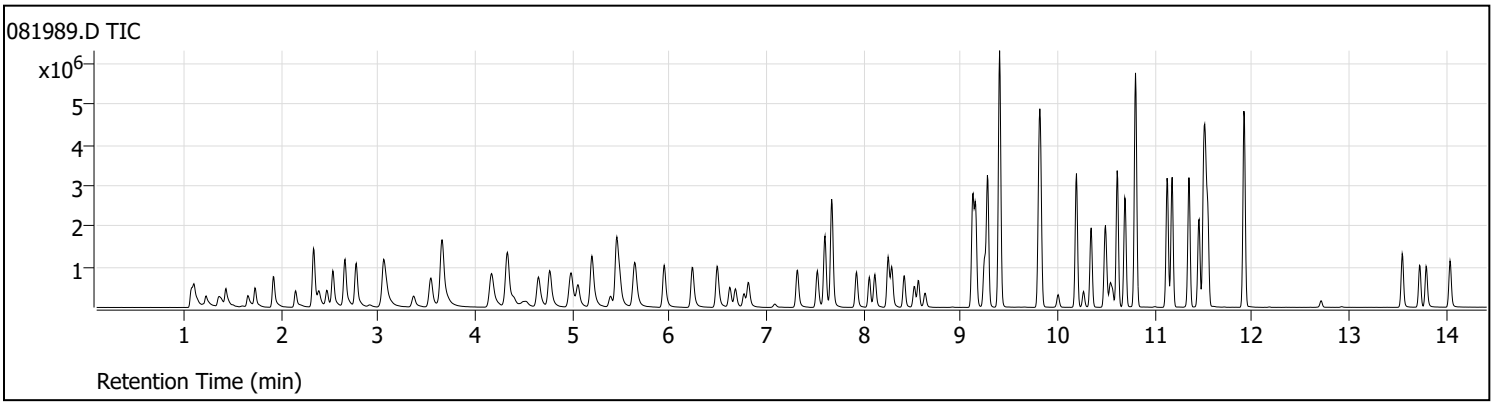


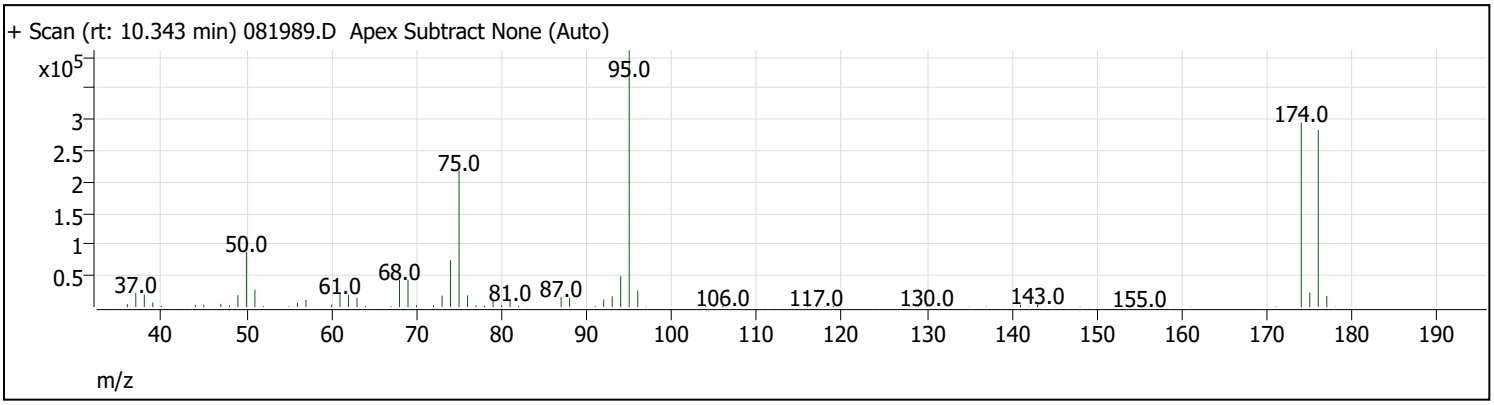


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	138.2	449517	Pass
96	95	5	9	6.8	30487	Pass
173	174	0	2	1.7	5535	Pass
174	95	50	200	72.3	325163	Pass
175	174	5	9	7.8	25349	Pass
176	174	95	105	95.1	309105	Pass
177	176	5	10	6.6	20499	Pass

Tune Evaluation Report

Data Path:	D:\GC-19\Data\082124\081989.D
Acq on:	8/21/2024 8:37:12 AM
Operator:	FA\GC19
Sample:	VOC W CCV D
Inst Name:	GC19
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	139.1	410927	Pass
96	95	5	9	6.5	26679	Pass
173	174	0	2	0.0	0	Pass
174	95	50	200	71.9	295366	Pass
175	174	5	9	7.9	23429	Pass
176	174	95	105	95.9	283273	Pass
177	176	5	10	6.3	17889	Pass

Internal Standards

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-19_240828B

Run No: 93964

Lab File ID (Standard): 081942.D

Instrument ID: GC-19

GC Column: ID (mm):

CCV Name: VOC W 93783

CCV SeqNo: 1962423

Date Analyzed: 8/20/2024

Time Analyzed: 6:55

Length (M):

		IS1 FBZ AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (14DCBZ) AREA #	RT #		
	12 HOUR STD	617234	5.058	1846956	9.122	1610907	11.523		
	UPPER LIMIT	1234468	5.558	3693912	9.622	3221814	12.023		
	LOWER LIMIT	308617	4.558	923478	8.622	805454	11.023		
	SAMPLE NO.								
01	VOC-CCV-93964A	440781	5.058	1.52965e+006	9.122	1.36392e+006	11.523		

IS1 FBZ = Fluorobenzene

IS2 (CBZ) = Chlorobenzene-d5

IS3 (14DCBZ) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-19_240828B

CCV Name: VOC-CCV-93964A

Run No: 93964

CCV SeqNo: 1962388

Lab File ID (Standard): 081989.D

Date Analyzed: 8/21/2024

Instrument ID: GC-19

Time Analyzed: 8:37

GC Column: ID (mm): Length (M):

		IS1 FBZ AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (14DCBZ) AREA #	RT #		
	12 HOUR STD	440781	5.058	1529653	9.122	1363918	11.523		
	UPPER LIMIT	881562	5.558	3059306	9.622	2727836	12.023		
	LOWER LIMIT	220391	4.558	764827	8.622	681959	11.023		
	SAMPLE NO.								
01	LCS-44941	440781	5.058	1.52965e+006	9.122	1.36392e+006	11.523		
02	MB-44941	398707	5.058	1.53965e+006	9.122	1.26792e+006	11.523		
03	2408312-005A	380283	5.058	1.49575e+006	9.122	1.21946e+006	11.523		
04	2408312-001A	383660	5.058	1.5562e+006	9.122	1.32001e+006	11.523		
05	2408312-001ADUP	381107	5.058	1.5128e+006	9.122	1.31126e+006	11.523		
06	2408312-002A	349582	5.064	1.42018e+006	9.122	1.21791e+006	11.518		
07	2408312-003A	344156	5.058	1.44014e+006	9.127	1.24097e+006	11.523		
08	2408312-004A	340974	5.058	1.41163e+006	9.122	1.17047e+006	11.523		
09	2408312-002AMS	386460	5.058	1.53389e+006	9.122	1.40888e+006	11.523		

IS1 FBZ = Fluorobenzene

IS2 (CBZ) = Chlorobenzene-d5

IS3 (14DCBZ) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

Supporting Data

5030B Prep Bench Sheet

Analyst: KT	
Date and Time: 8/20/21	
Batch: 11941	

Spikes / Chemicals / Reagents	Omega ID	Amount Used	Final Volume
VOC Standard 20 µg/mL (LCS/LCSD)	32415	50 µL	2 mL
GX Standard 2,500 µg/mL (LCS/LCSD)	32972	10 µL	"
VOC Standard 20 µg/mL (MS/MSD)	32415	43 µL	2 mL
GX Standard 2,500 µg/mL (MS/MSD)	32972	8.6 µL	"

Notes/Modificaitons

Samples verified pH < 2	Initial/Date

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date
	KT 8/20/21

Equipment	
Pipette:	7
Balance:	2
Other:	

Dilutions	
Sample ID	Dilution Description

Sign and date below if you contributed to the preparation of this batch
Kathryn Tran 8/20/21

Signature: EM

Fremont Analytical, Inc

PREP BATCH REPORT

Prep Start Date: **8/21/2024 10:32:30**
Prep End Date:
Technician: **Kelsey Jones**

Prep Factor Units:
mL / mL

Prep Batch ID: **44941** Prep Code: **PREP-5030** Method No: **SW5030**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-44941		Water	40	40	1.000	8/21/2024	Preliminary
LCS-44941		Water	40	40	1.000	8/21/2024	Preliminary
2408246-001A	GW-MW501-0824	Water	40	40	1.000	8/21/2024	Preliminary
2408246-002A	GW-MW502-0824	Water	40	40	1.000	8/21/2024	Preliminary
2408246-003A	GW-MW503-0824	Water	40	40	1.000	8/21/2024	Preliminary
2408246-004A	GW-MW504-0824	Water	40	40	1.000	8/21/2024	Preliminary
2408246-005A	GW-MW505-0824	Water	40	40	1.000	8/21/2024	Preliminary
2408246-006A	GW-MW506-0824	Water	40	40	1.000	8/21/2024	Preliminary
2408246-007A	GW-MW506-0824-01	Water	40	40	1.000	8/21/2024	Preliminary
2408246-008A	GW-MW201-0824	Water	40	40	1.000	8/21/2024	Preliminary
2408312-001A	GEI-11_082024	Water	40	40	1.000	8/21/2024	Preliminary
2408312-001ADUP		Water	40	40	1.000	8/21/2024	Preliminary
2408312-002A	GEI-12_082024	Water	40	40	1.000	8/21/2024	Preliminary
2408312-002AMS		Water	40	40	1.000	8/21/2024	Preliminary
2408312-003A	GEI-13_082024	Water	40	40	1.000	8/21/2024	Preliminary
2408312-003AMS		Water	40	40	1.000	8/21/2024	Preliminary
2408312-004A	Dup_082024	Water	40	40	1.000	8/21/2024	Preliminary
2408312-005A	Trip Blank	Water	40	40	1.000	8/21/2024	Preliminary

Reporting Checklist

Analyst: KJ
Workorder(s): 08312
Date: 8/28/24
Prep #: 44941
Run(s) #: 93964
Analysis: O-VOC-W

Y/N		Reviewed
Y	**Run complete? (i.e., all QC, samples, dilutions present)**	✔
N	**All QC within limits?** [ ] Exceedances acceptable per QA Manual and/or Auth'd by PM____?	✔

☐CCV out ☐LCS out ☑MS out ☐Blank hits ☐IS/surr out ☐RPD out
☐Hold time ☐Other_____

MS fails high for several analytes

N Any pending dilutions, re-extracts, or reanalysis to be completed in future run?

[ ] **Manual entries/narratives reviewed for accuracy? (note below)** Analyst: Reviewer: [ ]

✔ **Omega checks performed?** ✔

- ✔ SampID, Test Code, Type, Prep
- [ ] PMOIST, pH
- ✔ BLKref, SPKref, RPDref, CCVref
- ✔ Attachments ✔
  - ☑Sequence ☑Cgrams ☑Bench Sheets ☑Perf Checks ☑Tech Doc
- ✔ Related Info ✔
  - ☑ICAL Ref ☑ICAL Ack/QA'd? ☑Spiking Info/CCV Std ☐_____
- ✔ Reporting Checks ✔
  - ☐Dilutions data/narr redundancy check ☐RLs OK (low wt, high pmoist, dilutions)

Notes for Reviewer

Toulene rounds down to passing in CCV/LCS; please remove S-flag

By signing, I attest that I have followed the SOP

Kelsey Jones 8/28/24
Analyst Date

MG 8/28/2024
Reviewer Date

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

GeoEngineers
Robert Trahan
2101 4th Ave, Suite 950
Seattle, WA 98121

RE: 701/709 South Jackson, 24504-001-04
Work Order Number: 2411560

December 06, 2024

Attention Robert Trahan:

Alliance Technical Group, LLC - Seattle received 4 sample(s) on 11/27/2024 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx
Dissolved Metals by EPA 6020B
Gasoline by NWTPH-Gx
PAHs by EPA Method 8270E SIM
Total Metals by EPA 6020B
Volatile Organic Compounds by EPA 8260D SIM

All analyses were performed according to our accredited Quality Assurance program. Please contact the laboratory if you should have any questions about the results.

Alliance Technical Group is committed to accuracy, speed, and customer service. Thank you for choosing Alliance Technical Group's Seattle laboratory team for your analytical needs. We appreciate this opportunity to serve you!

Sincerely,

Brianna Barnes
Project Manager

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.4 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Date: *03/13/2025*

CLIENT: GeoEngineers
Project: 701/709 South Jackson
Work Order: 2411560

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2411560-001	GEI-11-112624	11/26/2024 2:15 PM	11/27/2024 12:13 PM
2411560-002	GEI-12-112624	11/26/2024 4:45 PM	11/27/2024 12:13 PM
2411560-003	GEI-13-112624	11/26/2024 5:45 PM	11/27/2024 12:13 PM
2411560-004	DUP-112624	11/26/2024 12:00 PM	11/27/2024 12:13 PM

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

Revision v1

Case Narrative

WO#: **2411560**

Date: **12/6/2024**

CLIENT: GeoEngineers

Project: 701/709 South Jackson

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.

3/13/2025: Rev1 includes a Tier 2B data validation 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: **2411560**
Date Reported: **12/6/2024**

Client: GeoEngineers
Project: 701/709 South Jackson
Lab ID: 2411560-001
Client Sample ID: **GEI-11-112624**

Collection Date: 11/26/2024 2:15:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx				Batch ID: 46037		Analyst: AP
Diesel Range Organics	ND	96.9		µg/L	1	12/5/2024 7:10:29 PM
Heavy Oil	ND	145		µg/L	1	12/5/2024 7:10:29 PM
Total Petroleum Hydrocarbons	ND	242		µg/L	1	12/5/2024 7:10:29 PM
Surr: 2-Fluorobiphenyl	94.2	50 - 150		%Rec	1	12/5/2024 7:10:29 PM
Surr: o-Terphenyl	103	50 - 150		%Rec	1	12/5/2024 7:10:29 PM
PAHs by EPA Method 8270E SIM				Batch ID: 46001		Analyst: RG
Naphthalene	ND	0.0958		µg/L	1	12/5/2024 7:58:41 PM
2-Methylnaphthalene	0.192	0.0958		µg/L	1	12/5/2024 7:58:41 PM
1-Methylnaphthalene	0.144	0.0958		µg/L	1	12/5/2024 7:58:41 PM
Surr: 2-Fluorobiphenyl	103	45.7 - 127		%Rec	1	12/5/2024 7:58:41 PM
Surr: Terphenyl-d14	116	41.1 - 145		%Rec	1	12/5/2024 7:58:41 PM
Gasoline by NWTPH-Gx				Batch ID: 46012		Analyst: KJ
Gasoline Range Organics	ND	50.0		µg/L	1	12/3/2024 7:16:20 PM
Surr: Toluene-d8	95.4	65 - 135		%Rec	1	12/3/2024 7:16:20 PM
Surr: 4-Bromofluorobenzene	93.5	65 - 135		%Rec	1	12/3/2024 7:16:20 PM
Volatile Organic Compounds by EPA 8260D SIM				Batch ID: 46053		Analyst: KJ
methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	12/5/2024 4:07:05 PM
1,2-Dichloroethane (EDC)	ND	0.100		µg/L	1	12/5/2024 4:07:05 PM
Benzene	ND	0.100		µg/L	1	12/5/2024 4:07:05 PM
Toluene	ND	0.200		µg/L	1	12/5/2024 4:07:05 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	12/5/2024 4:07:05 PM
Ethylbenzene	ND	0.100		µg/L	1	12/5/2024 4:07:05 PM
m,p-Xylene	ND	0.200		µg/L	1	12/5/2024 4:07:05 PM
o-Xylene	ND	0.100		µg/L	1	12/5/2024 4:07:05 PM
Surr: Dibromofluoromethane	106	80 - 120		%Rec	1	12/5/2024 4:07:05 PM
Surr: Toluene-d8	103	80 - 120		%Rec	1	12/5/2024 4:07:05 PM
Surr: 1-Bromo-4-fluorobenzene	96.9	80 - 120		%Rec	1	12/5/2024 4:07:05 PM
Dissolved Metals by EPA 6020B				Batch ID: 46042		Analyst: ME
Lead	ND	0.300		µg/L	1	12/5/2024 3:18:00 PM

Analytical Report

Work Order: **2411560**
Date Reported: **12/6/2024**

Client: GeoEngineers
Project: 701/709 South Jackson
Lab ID: 2411560-001
Client Sample ID: **GEI-11-112624**

Collection Date: 11/26/2024 2:15:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA 6020B				Batch ID: 46040		Analyst: ME
Lead	ND	0.300		µg/L	1	12/5/2024 1:56:00 PM

Analytical Report

Work Order: **2411560**

Date Reported: **12/6/2024**

Client: GeoEngineers **Collection Date:** 11/26/2024 4:45:00 PM

Project: 701/709 South Jackson

Lab ID: 2411560-002 **Matrix:** Water

Client Sample ID: GEI-12-112624

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx				Batch ID: 46037		Analyst: AP
Diesel Range Organics	ND	96.1		µg/L	1	12/5/2024 7:22:16 PM
Heavy Oil	ND	144		µg/L	1	12/5/2024 7:22:16 PM
Total Petroleum Hydrocarbons	ND	240		µg/L	1	12/5/2024 7:22:16 PM
Surr: 2-Fluorobiphenyl	94.3	50 - 150		%Rec	1	12/5/2024 7:22:16 PM
Surr: o-Terphenyl	103	50 - 150		%Rec	1	12/5/2024 7:22:16 PM
PAHs by EPA Method 8270E SIM				Batch ID: 46001		Analyst: RG
Naphthalene	ND	0.0952		µg/L	1	12/5/2024 8:14:37 PM
2-Methylnaphthalene	ND	0.0952		µg/L	1	12/5/2024 8:14:37 PM
1-Methylnaphthalene	ND	0.0952		µg/L	1	12/5/2024 8:14:37 PM
Surr: 2-Fluorobiphenyl	110	45.7 - 127		%Rec	1	12/5/2024 8:14:37 PM
Surr: Terphenyl-d14	109	41.1 - 145		%Rec	1	12/5/2024 8:14:37 PM
Gasoline by NWTPH-Gx				Batch ID: 46012		Analyst: KJ
Gasoline Range Organics	ND	50.0		µg/L	1	12/3/2024 7:49:24 PM
Surr: Toluene-d8	96.1	65 - 135		%Rec	1	12/3/2024 7:49:24 PM
Surr: 4-Bromofluorobenzene	93.9	65 - 135		%Rec	1	12/3/2024 7:49:24 PM
Volatile Organic Compounds by EPA 8260D SIM				Batch ID: 46053		Analyst: KJ
methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	12/5/2024 4:39:05 PM
1,2-Dichloroethane (EDC)	ND	0.100		µg/L	1	12/5/2024 4:39:05 PM
Benzene	ND	0.100		µg/L	1	12/5/2024 4:39:05 PM
Toluene	ND	0.200		µg/L	1	12/5/2024 4:39:05 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	12/5/2024 4:39:05 PM
Ethylbenzene	ND	0.100		µg/L	1	12/5/2024 4:39:05 PM
m,p-Xylene	ND	0.200		µg/L	1	12/5/2024 4:39:05 PM
o-Xylene	ND	0.100		µg/L	1	12/5/2024 4:39:05 PM
Surr: Dibromofluoromethane	106	80 - 120		%Rec	1	12/5/2024 4:39:05 PM
Surr: Toluene-d8	103	80 - 120		%Rec	1	12/5/2024 4:39:05 PM
Surr: 1-Bromo-4-fluorobenzene	96.4	80 - 120		%Rec	1	12/5/2024 4:39:05 PM
Dissolved Metals by EPA 6020B				Batch ID: 46042		Analyst: ME
Lead	ND	0.300		µg/L	1	12/5/2024 3:21:00 PM

Analytical Report

Work Order: **2411560**

Date Reported: **12/6/2024**

Client: GeoEngineers
Collection Date: 11/26/2024 4:45:00 PM
Project: 701/709 South Jackson
Lab ID: 2411560-002
Matrix: Water
Client Sample ID: **GEI-12-112624**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA 6020B				Batch ID: 46040		Analyst: ME
Lead	0.491	0.300		µg/L	1	12/5/2024 1:59:00 PM

Analytical Report

Work Order: **2411560**
Date Reported: **12/6/2024**

Client: GeoEngineers
Project: 701/709 South Jackson
Lab ID: 2411560-003
Client Sample ID: **GEI-13-112624**

Collection Date: 11/26/2024 5:45:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx				Batch ID: 46037		Analyst: AP
Diesel Range Organics	ND	99.4		µg/L	1	12/5/2024 7:34:04 PM
Heavy Oil	ND	149		µg/L	1	12/5/2024 7:34:04 PM
Total Petroleum Hydrocarbons	ND	248		µg/L	1	12/5/2024 7:34:04 PM
Surr: 2-Fluorobiphenyl	96.5	50 - 150		%Rec	1	12/5/2024 7:34:04 PM
Surr: o-Terphenyl	105	50 - 150		%Rec	1	12/5/2024 7:34:04 PM
PAHs by EPA Method 8270E SIM				Batch ID: 46001		Analyst: RG
Naphthalene	ND	0.0952		µg/L	1	12/5/2024 8:30:34 PM
2-Methylnaphthalene	ND	0.0952		µg/L	1	12/5/2024 8:30:34 PM
1-Methylnaphthalene	ND	0.0952		µg/L	1	12/5/2024 8:30:34 PM
Surr: 2-Fluorobiphenyl	100	45.7 - 127		%Rec	1	12/5/2024 8:30:34 PM
Surr: Terphenyl-d14	109	41.1 - 145		%Rec	1	12/5/2024 8:30:34 PM
Gasoline by NWTPH-Gx				Batch ID: 46012		Analyst: KJ
Gasoline Range Organics	ND	50.0		µg/L	1	12/3/2024 8:22:27 PM
Surr: Toluene-d8	95.0	65 - 135		%Rec	1	12/3/2024 8:22:27 PM
Surr: 4-Bromofluorobenzene	93.2	65 - 135		%Rec	1	12/3/2024 8:22:27 PM
Volatile Organic Compounds by EPA 8260D SIM				Batch ID: 46053		Analyst: KJ
methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	12/5/2024 5:43:05 PM
1,2-Dichloroethane (EDC)	ND	0.100		µg/L	1	12/5/2024 5:43:05 PM
Benzene	ND	0.100		µg/L	1	12/5/2024 5:43:05 PM
Toluene	ND	0.200		µg/L	1	12/5/2024 5:43:05 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	12/5/2024 5:43:05 PM
Ethylbenzene	ND	0.100		µg/L	1	12/5/2024 5:43:05 PM
m,p-Xylene	ND	0.200		µg/L	1	12/5/2024 5:43:05 PM
o-Xylene	ND	0.100		µg/L	1	12/5/2024 5:43:05 PM
Surr: Dibromofluoromethane	107	80 - 120		%Rec	1	12/5/2024 5:43:05 PM
Surr: Toluene-d8	103	80 - 120		%Rec	1	12/5/2024 5:43:05 PM
Surr: 1-Bromo-4-fluorobenzene	97.5	80 - 120		%Rec	1	12/5/2024 5:43:05 PM
Dissolved Metals by EPA 6020B				Batch ID: 46042		Analyst: ME
Lead	ND	0.300		µg/L	1	12/5/2024 3:23:00 PM

Analytical Report

Work Order: **2411560**
Date Reported: **12/6/2024**

Client: GeoEngineers
Project: 701/709 South Jackson
Lab ID: 2411560-003
Client Sample ID: **GEI-13-112624**

Collection Date: 11/26/2024 5:45:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA 6020B				Batch ID: 46040		Analyst: ME
Lead	ND	0.300		µg/L	1	12/5/2024 2:01:00 PM

Analytical Report

Work Order: **2411560**

Date Reported: **12/6/2024**

Client: GeoEngineers **Collection Date:** 11/26/2024 12:00:00 PM

Project: 701/709 South Jackson

Lab ID: 2411560-004 **Matrix:** Water

Client Sample ID: DUP-112624

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx				Batch ID: 46037		Analyst: AP
Diesel Range Organics	ND	103		µg/L	1	12/5/2024 7:45:53 PM
Heavy Oil	ND	154		µg/L	1	12/5/2024 7:45:53 PM
Total Petroleum Hydrocarbons	ND	257		µg/L	1	12/5/2024 7:45:53 PM
Surr: 2-Fluorobiphenyl	90.2	50 - 150		%Rec	1	12/5/2024 7:45:53 PM
Surr: o-Terphenyl	99.8	50 - 150		%Rec	1	12/5/2024 7:45:53 PM
PAHs by EPA Method 8270E SIM				Batch ID: 46001		Analyst: RG
Naphthalene	ND	0.0965		µg/L	1	12/5/2024 8:46:31 PM
2-Methylnaphthalene	ND	0.0965		µg/L	1	12/5/2024 8:46:31 PM
1-Methylnaphthalene	ND	0.0965		µg/L	1	12/5/2024 8:46:31 PM
Surr: 2-Fluorobiphenyl	108	45.7 - 127		%Rec	1	12/5/2024 8:46:31 PM
Surr: Terphenyl-d14	124	41.1 - 145		%Rec	1	12/5/2024 8:46:31 PM
Gasoline by NWTPH-Gx				Batch ID: 46012		Analyst: KJ
Gasoline Range Organics	ND	50.0		µg/L	1	12/3/2024 8:55:31 PM
Surr: Toluene-d8	96.3	65 - 135		%Rec	1	12/3/2024 8:55:31 PM
Surr: 4-Bromofluorobenzene	93.8	65 - 135		%Rec	1	12/3/2024 8:55:31 PM
Volatile Organic Compounds by EPA 8260D SIM				Batch ID: 46053		Analyst: KJ
methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	12/5/2024 6:15:03 PM
1,2-Dichloroethane (EDC)	ND	0.100		µg/L	1	12/5/2024 6:15:03 PM
Benzene	ND	0.100		µg/L	1	12/5/2024 6:15:03 PM
Toluene	ND	0.200		µg/L	1	12/5/2024 6:15:03 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	12/5/2024 6:15:03 PM
Ethylbenzene	ND	0.100		µg/L	1	12/5/2024 6:15:03 PM
m,p-Xylene	ND	0.200		µg/L	1	12/5/2024 6:15:03 PM
o-Xylene	ND	0.100		µg/L	1	12/5/2024 6:15:03 PM
Surr: Dibromofluoromethane	106	80 - 120		%Rec	1	12/5/2024 6:15:03 PM
Surr: Toluene-d8	102	80 - 120		%Rec	1	12/5/2024 6:15:03 PM
Surr: 1-Bromo-4-fluorobenzene	96.4	80 - 120		%Rec	1	12/5/2024 6:15:03 PM
Dissolved Metals by EPA 6020B				Batch ID: 46042		Analyst: ME
Lead	ND	0.300		µg/L	1	12/5/2024 3:26:00 PM

Analytical Report

Work Order: **2411560**
Date Reported: **12/6/2024**

Client: GeoEngineers
Project: 701/709 South Jackson
Lab ID: 2411560-004
Client Sample ID: **DUP-112624**

Collection Date: 11/26/2024 12:00:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA 6020B				Batch ID: 46040		Analyst: ME
Lead	ND	0.300		µg/L	1	12/5/2024 2:04:00 PM

Work Order: 2411560
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Dissolved Metals by EPA 6020B

Sample ID: **ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96129**
Client ID: **ICB**	Batch ID: **46042**		Analysis Date: **12/5/2024**	SeqNo: **2005941**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **ICV**	SampType: **ICV**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96129**
Client ID: **ICV**	Batch ID: **46042**		Analysis Date: **12/5/2024**	SeqNo: **2005942**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	45.4	0.300	50.00	0	90.7	90	110				

Sample ID: **ICSA**	SampType: **ICSA**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96129**
Client ID: **ICSA**	Batch ID: **46042**		Analysis Date: **12/5/2024**	SeqNo: **2005943**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **CCV-A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96129**
Client ID: **CCV**	Batch ID: **46042**		Analysis Date: **12/5/2024**	SeqNo: **2005931**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	47.1	0.300	50.00	0	94.2	90	110				

Sample ID: **CCB-A**	SampType: **CCB**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96129**
Client ID: **CCB**	Batch ID: **46042**		Analysis Date: **12/5/2024**	SeqNo: **2005932**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Work Order: 2411560
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Dissolved Metals by EPA 6020B

Sample ID: **MB-46042**	SampType: **MBLK**			Units: **µg/L**		Prep Date: **12/5/2024**		RunNo: **96129**		
Client ID: **MBLKW**	Batch ID: **46042**					Analysis Date: **12/5/2024**		SeqNo: **2005944**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **CCV-B**	SampType: **CCV**			Units: **µg/L**		Prep Date: **12/5/2024**		RunNo: **96129**		
Client ID: **CCV**	Batch ID: **46042**					Analysis Date: **12/5/2024**		SeqNo: **2005947**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	47.1	0.300	50.00	0	94.2	90	110				

Sample ID: **CCB-B**	SampType: **CCB**			Units: **µg/L**		Prep Date: **12/5/2024**		RunNo: **96129**		
Client ID: **CCB**	Batch ID: **46042**					Analysis Date: **12/5/2024**		SeqNo: **2005948**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **LCS-46042**	SampType: **LCS**			Units: **µg/L**		Prep Date: **12/5/2024**		RunNo: **96129**		
Client ID: **LCSW**	Batch ID: **46042**					Analysis Date: **12/5/2024**		SeqNo: **2005949**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	49.0	0.300	50.00	0	98.0	80	120				

Sample ID: **2411524-001CDUP**	SampType: **DUP**			Units: **µg/L**		Prep Date: **12/5/2024**		RunNo: **96129**		
Client ID: **BATCH**	Batch ID: **46042**					Analysis Date: **12/5/2024**		SeqNo: **2005950**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300						0		20	

Work Order: 2411560
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Dissolved Metals by EPA 6020B

Sample ID: **CCV-C**	SampType: **CCV**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96129**
Client ID: **CCV**	Batch ID: **46042**		Analysis Date: **12/5/2024**	SeqNo: **2005959**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	47.3	0.300	50.00	0	94.5	90	110				

Sample ID: **CCB-C**	SampType: **CCB**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96129**
Client ID: **CCB**	Batch ID: **46042**		Analysis Date: **12/5/2024**	SeqNo: **2005960**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **CCV-D**	SampType: **CCV**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96129**
Client ID: **CCV**	Batch ID: **46042**		Analysis Date: **12/5/2024**	SeqNo: **2005971**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.0	0.300	50.00	0	96.1	90	110				

Sample ID: **CCB-D**	SampType: **CCB**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96129**
Client ID: **CCB**	Batch ID: **46042**		Analysis Date: **12/5/2024**	SeqNo: **2005972**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **2411524-001CMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96129**
Client ID: **BATCH**	Batch ID: **46042**		Analysis Date: **12/5/2024**	SeqNo: **2005973**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	43.9	0.300	50.00	0	87.9	75	125				

Work Order: 2411560
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Dissolved Metals by EPA 6020B

Sample ID: **2411524-001CMSD**	SampType: **MSD**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96129**
Client ID: **BATCH**	Batch ID: **46042**		Analysis Date: **12/5/2024**	SeqNo: **2005974**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	42.9	0.300	50.00	0	85.9	75	125	43.95	2.34	20	

Sample ID: **CCV-E**	SampType: **CCV**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96129**
Client ID: **CCV**	Batch ID: **46042**		Analysis Date: **12/5/2024**	SeqNo: **2005976**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.3	0.300	50.00	0	96.6	90	110				

Sample ID: **CCB-E**	SampType: **CCB**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96129**
Client ID: **CCB**	Batch ID: **46042**		Analysis Date: **12/5/2024**	SeqNo: **2005977**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Work Order: 2411560
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: **ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96128**
Client ID: **ICB**	Batch ID: **46040**		Analysis Date: **12/5/2024**	SeqNo: **2005919**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **ICV**	SampType: **ICV**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96128**
Client ID: **ICV**	Batch ID: **46040**		Analysis Date: **12/5/2024**	SeqNo: **2005920**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	45.4	0.300	50.00	0	90.7	90	110				

Sample ID: **ICSA**	SampType: **ICSA**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96128**
Client ID: **ICSA**	Batch ID: **46040**		Analysis Date: **12/5/2024**	SeqNo: **2005921**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **CCV-A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96128**
Client ID: **CCV**	Batch ID: **46040**		Analysis Date: **12/5/2024**	SeqNo: **2005922**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	46.3	0.300	50.00	0	92.6	90	110				

Sample ID: **CCB-A**	SampType: **CCB**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96128**
Client ID: **CCB**	Batch ID: **46040**		Analysis Date: **12/5/2024**	SeqNo: **2005923**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Work Order: 2411560
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: **MB-46040**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **12/4/2024**	RunNo: **96128**
Client ID: **MBLKW**	Batch ID: **46040**		Analysis Date: **12/5/2024**	SeqNo: **2005924**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **LCS-46040**	SampType: **LCS**	Units: **µg/L**	Prep Date: **12/4/2024**	RunNo: **96128**
Client ID: **LCSW**	Batch ID: **46040**		Analysis Date: **12/5/2024**	SeqNo: **2005925**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.6	0.300	50.00	0	97.1	80	120				

Sample ID: **2411524-001DMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **12/4/2024**	RunNo: **96128**
Client ID: **BATCH**	Batch ID: **46040**		Analysis Date: **12/5/2024**	SeqNo: **2005890**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	47.0	0.300	50.00	0	94.0	75	125				

Sample ID: **2411524-001DMSD**	SampType: **MSD**	Units: **µg/L**	Prep Date: **12/4/2024**	RunNo: **96128**
Client ID: **BATCH**	Batch ID: **46040**		Analysis Date: **12/5/2024**	SeqNo: **2005891**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	34.9	0.300	50.00	0	69.7	75	125	47.02	29.7	20	RS

NOTES:
S - Outlying spike recovery observed. A duplicate analysis was performed and recovered within range.
R - High RPD observed.

Sample ID: **2411524-001DPDS**	SampType: **PDS**	Units: **µg/L**	Prep Date: **12/4/2024**	RunNo: **96128**
Client ID: **BATCH**	Batch ID: **46040**		Analysis Date: **12/5/2024**	SeqNo: **2005893**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	42.7	0.300	50.0	0	85.4	75	125				

Work Order: 2411560
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: **CCV-B**	SampType: **CCV**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96128**
Client ID: **CCV**	Batch ID: **46040**		Analysis Date: **12/5/2024**	SeqNo: **2005894**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	46.7	0.300	50.00	0	93.4	90	110				

Sample ID: **CCB-B**	SampType: **CCB**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96128**
Client ID: **CCB**	Batch ID: **46040**		Analysis Date: **12/5/2024**	SeqNo: **2005895**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **CCV-C**	SampType: **CCV**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96128**
Client ID: **CCV**	Batch ID: **46040**		Analysis Date: **12/5/2024**	SeqNo: **2005906**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	47.1	0.300	50.00	0	94.2	90	110				

Sample ID: **CCB-C**	SampType: **CCB**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96128**
Client ID: **CCB**	Batch ID: **46040**		Analysis Date: **12/5/2024**	SeqNo: **2005907**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **CCV-D**	SampType: **CCV**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96128**
Client ID: **CCV**	Batch ID: **46040**		Analysis Date: **12/5/2024**	SeqNo: **2005928**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	47.1	0.300	50.00	0	94.2	90	110				

Work Order: 2411560
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: **CCB-D** SampType: **CCB** Units: **µg/L** Prep Date: **12/5/2024** RunNo: **96128**
Client ID: **CCB** Batch ID: **46040** Analysis Date: **12/5/2024** SeqNo: **2005929**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Work Order: 2411560
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **DX ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **4/9/2024**	RunNo: **91010**
Client ID: **ICB**	Batch ID: **46037**		Analysis Date: **4/9/2024**	SeqNo: **1897516**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	ND	50.0									
Surr: 2-Fluorobiphenyl	11.5		10.00		115	50	150				
Surr: o-Terphenyl	12.3		10.00		123	50	150				

Sample ID: **DX ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **4/9/2024**	RunNo: **91010**
Client ID: **ICV**	Batch ID: **46037**		Analysis Date: **4/9/2024**	SeqNo: **1897524**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	428	50.0	500.0	0	85.6	70	130				
Surr: 2-Fluorobiphenyl	9.39		10.00		93.9	50	150				
Surr: o-Terphenyl	10.9		10.00		109	50	150				

Sample ID: **HO ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **4/9/2024**	RunNo: **91010**
Client ID: **ICB**	Batch ID: **46037**		Analysis Date: **4/9/2024**	SeqNo: **1897525**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	ND	100									
Surr: 2-Fluorobiphenyl	9.63		10.00		96.3	50	150				
Surr: o-Terphenyl	9.72		10.00		97.2	50	150				

Sample ID: **HO ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **4/9/2024**	RunNo: **91010**
Client ID: **ICV**	Batch ID: **46037**		Analysis Date: **4/9/2024**	SeqNo: **1897533**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	521	100	500.0	0	104	70	130				
Surr: 2-Fluorobiphenyl	9.83		10.00		98.3	50	150				
Surr: o-Terphenyl	10.1		10.00		101	50	150				

Work Order: 2411560
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **DX-CCV-46037A**	SampType: **CCV**			Units: **µg/L**		Prep Date: **12/5/2024**		RunNo: **96167**		
Client ID: **CCV**	Batch ID: **46037**					Analysis Date: **12/5/2024**		SeqNo: **2006555**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	490	100	500.0	0	98.0	85	115				
Surr: 2-Fluorobiphenyl	8.95		10.00		89.5	50	150				
Surr: o-Terphenyl	11.6		10.00		116	50	150				

Sample ID: **OIL-CCV-46037A**	SampType: **CCV**			Units: **µg/L**		Prep Date: **12/5/2024**		RunNo: **96167**		
Client ID: **CCV**	Batch ID: **46037**					Analysis Date: **12/5/2024**		SeqNo: **2006556**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	473	150	500.0	0	94.7	85	115				
Surr: 2-Fluorobiphenyl	9.75		10.00		97.5	50	150				
Surr: o-Terphenyl	9.88		10.00		98.8	50	150				

Sample ID: **MB-46037**	SampType: **MBLK**			Units: **µg/L**		Prep Date: **12/4/2024**		RunNo: **96167**		
Client ID: **MBLKW**	Batch ID: **46037**					Analysis Date: **12/5/2024**		SeqNo: **2006557**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	ND	100									
Heavy Oil	ND	150									
Total Petroleum Hydrocarbons	ND	250									
Surr: 2-Fluorobiphenyl	24.3		25.00		97.0	50	150				
Surr: o-Terphenyl	26.2		25.00		105	50	150				

Sample ID: **LCS-46037**	SampType: **LCS**			Units: **µg/L**		Prep Date: **12/4/2024**		RunNo: **96167**		
Client ID: **LCSW**	Batch ID: **46037**					Analysis Date: **12/5/2024**		SeqNo: **2006558**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	788	250	1,250	0	63.1	42.5	123				
Surr: 2-Fluorobiphenyl	22.0		25.00		88.2	50	150				
Surr: o-Terphenyl	26.2		25.00		105	50	150				

Work Order: 2411560
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **LCSD-46037**	SampType: **LCSD**	Units: **µg/L**	Prep Date: **12/4/2024**	RunNo: **96167**
Client ID: **LCSW02**	Batch ID: **46037**		Analysis Date: **12/5/2024**	SeqNo: **2006559**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	894	250	1,250	0	71.5	42.5	123	788.5	12.5	30	
Surr: 2-Fluorobiphenyl	22.2		25.00		88.6	50	150		0		
Surr: o-Terphenyl	27.5		25.00		110	50	150		0		

Sample ID: **DX-CCV-46037B**	SampType: **CCV**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96167**
Client ID: **CCV**	Batch ID: **46037**		Analysis Date: **12/5/2024**	SeqNo: **2006568**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	473	100	500.0	0	94.7	85	115				
Surr: 2-Fluorobiphenyl	8.59		10.00		85.9	50	150				
Surr: o-Terphenyl	10.9		10.00		109	50	150				

Sample ID: **OIL-CCV-46037B**	SampType: **CCV**	Units: **µg/L**	Prep Date: **12/5/2024**	RunNo: **96167**
Client ID: **CCV**	Batch ID: **46037**		Analysis Date: **12/5/2024**	SeqNo: **2006569**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	468	150	500.0	0	93.6	85	115				
Surr: 2-Fluorobiphenyl	9.59		10.00		95.9	50	150				
Surr: o-Terphenyl	9.66		10.00		96.6	50	150				

Sample ID: **DX-CCV-46037C**	SampType: **CCV**	Units: **µg/L**	Prep Date: **12/6/2024**	RunNo: **96167**
Client ID: **CCV**	Batch ID: **46037**		Analysis Date: **12/6/2024**	SeqNo: **2007112**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	458	100	500.0	0	91.6	85	115				
Surr: 2-Fluorobiphenyl	8.32		10.00		83.2	50	150				
Surr: o-Terphenyl	10.7		10.00		107	50	150				

Work Order: 2411560
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **OIL-CCV-46037C**	SampType: **CCV**			Units: **µg/L**		Prep Date: **12/6/2024**		RunNo: **96167**		
Client ID: **CCV**	Batch ID: **46037**					Analysis Date: **12/6/2024**		SeqNo: **2007113**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	437	150	500.0	0	87.5	85	115				
Surr: 2-Fluorobiphenyl	9.11		10.00		91.1	50	150				
Surr: o-Terphenyl	9.15		10.00		91.5	50	150				

Sample ID: **DX-CCV-46037D**	SampType: **CCV**			Units: **µg/L**		Prep Date: **12/6/2024**		RunNo: **96167**		
Client ID: **CCV**	Batch ID: **46037**					Analysis Date: **12/6/2024**		SeqNo: **2007119**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	459	100	500.0	0	91.8	85	115				
Surr: 2-Fluorobiphenyl	8.37		10.00		83.7	50	150				
Surr: o-Terphenyl	10.8		10.00		108	50	150				

Sample ID: **OIL-CCV-46037D**	SampType: **CCV**			Units: **µg/L**		Prep Date: **12/6/2024**		RunNo: **96167**		
Client ID: **CCV**	Batch ID: **46037**					Analysis Date: **12/6/2024**		SeqNo: **2007120**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	453	150	500.0	0	90.6	85	115				
Surr: 2-Fluorobiphenyl	9.22		10.00		92.2	50	150				
Surr: o-Terphenyl	9.31		10.00		93.1	50	150				

Work Order: 2411560
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: **PAH ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **11/21/2024**	RunNo: **95925**
Client ID: **ICB**	Batch ID: **46001**		Analysis Date: **11/21/2024**	SeqNo: **2001915**

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									
Surr: 2-Fluorobiphenyl	925		1,000		92.5	50.4	142				
Surr: Terphenyl-d14 (surr)	949		1,000		94.9	48.8	157				

Sample ID: **PAH ICV**	SampType: **ICV**	Units: **µg/L**	Prep Date: **11/21/2024**	RunNo: **95925**
Client ID: **ICV**	Batch ID: **46001**		Analysis Date: **11/21/2024**	SeqNo: **2001917**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,070	20.0	1,000	0	107	70	130				
2-Methylnaphthalene	1,080	20.0	1,000	0	108	70	130				
1-Methylnaphthalene	1,060	20.0	1,000	0	106	70	130				
Surr: 2-Fluorobiphenyl	542		500.0		108	60.9	160				
Surr: Terphenyl-d14 (surr)	540		500.0		108	62.2	159				

Sample ID: **CCV-46001A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **12/3/2024**	RunNo: **96174**
Client ID: **CCV**	Batch ID: **46001**		Analysis Date: **12/3/2024**	SeqNo: **2006717**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	949	0.100	1,000	0	94.9	80	120				
2-Methylnaphthalene	896	0.100	1,000	0	89.6	80	120				
1-Methylnaphthalene	939	0.100	1,000	0	93.9	80	120				
Surr: 2-Fluorobiphenyl	474		500.0		94.7	70.2	145				
Surr: Terphenyl-d14	491		500.0		98.2	71.3	142				

Work Order: 2411560
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: **MB-46001**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **12/2/2024**	RunNo: **96174**
Client ID: **MBLKW**	Batch ID: **46001**		Analysis Date: **12/3/2024**	SeqNo: **2006718**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.100									
2-Methylnaphthalene	ND	0.100									
1-Methylnaphthalene	ND	0.100									
Surr: 2-Fluorobiphenyl	2.44		2.500		97.7	12.8	129				
Surr: Terphenyl-d14	2.80		2.500		112	12.7	150				

Sample ID: **LCS-46001**	SampType: **LCS**	Units: **µg/L**	Prep Date: **12/2/2024**	RunNo: **96174**
Client ID: **LCSW**	Batch ID: **46001**		Analysis Date: **12/3/2024**	SeqNo: **2006720**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	2.73	0.100	5.000	0	54.7	39.8	99.9				
2-Methylnaphthalene	2.69	0.100	5.000	0	53.8	31.5	108				
1-Methylnaphthalene	2.76	0.100	5.000	0	55.3	32.8	106				
Surr: 2-Fluorobiphenyl	2.50		2.500		100	45.7	127				
Surr: Terphenyl-d14	2.77		2.500		111	41.1	145				

Sample ID: **LCSD-46001**	SampType: **LCSD**	Units: **µg/L**	Prep Date: **12/2/2024**	RunNo: **96174**
Client ID: **LCSW02**	Batch ID: **46001**		Analysis Date: **12/3/2024**	SeqNo: **2006721**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	3.41	0.100	5.000	0	68.1	39.8	99.9	2.733	21.9	30	
2-Methylnaphthalene	3.36	0.100	5.000	0	67.2	31.5	108	2.692	22.0	30	
1-Methylnaphthalene	3.46	0.100	5.000	0	69.2	32.8	106	2.764	22.3	30	
Surr: 2-Fluorobiphenyl	2.64		2.500		106	45.7	127		0		
Surr: Terphenyl-d14	2.64		2.500		105	41.1	145		0		

Work Order: 2411560
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: **CCV-46001B** SampType: **CCV** Units: **µg/L** Prep Date: **12/5/2024** RunNo: **96174**
Client ID: **CCV** Batch ID: **46001** Analysis Date: **12/5/2024** SeqNo: **2006722**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,020	0.100	1,000	0	102	80	120				
2-Methylnaphthalene	992	0.100	1,000	0	99.2	80	120				
1-Methylnaphthalene	1,020	0.100	1,000	0	102	80	120				
Surr: 2-Fluorobiphenyl	516		500.0		103	70.2	145				
Surr: Terphenyl-d14	533		500.0		107	71.3	142				

Work Order: 2411560
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **11/26/2024**	RunNo: **96030**
Client ID: **ICB**	Batch ID: **46012**		Analysis Date: **11/26/2024**	SeqNo: **2003626**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	50.0									
Surr: Toluene-d8	24.7		25.00		99.0	65	135				
Surr: 4-Bromofluorobenzene	23.2		25.00		92.7	65	135				

Sample ID: **ICV**	SampType: **ICV**	Units: **µg/L**	Prep Date: **11/26/2024**	RunNo: **96030**
Client ID: **ICV**	Batch ID: **46012**		Analysis Date: **11/26/2024**	SeqNo: **2003627**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	485	50.0	500.0	0	96.9	80	120				
Surr: Toluene-d8	24.8		25.00		99.2	65	135				
Surr: 4-Bromofluorobenzene	24.4		25.00		97.5	65	135				

Sample ID: **GX-CCV-96088A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **12/3/2024**	RunNo: **96088**
Client ID: **CCV**	Batch ID: **46012**		Analysis Date: **12/3/2024**	SeqNo: **2004852**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	446	50.0	500.0	0	89.1	80	120				
Surr: Toluene-d8	24.7		25.00		98.8	65	135				
Surr: 4-Bromofluorobenzene	25.4		25.00		102	65	135				

Sample ID: **LCS-46012**	SampType: **LCS**	Units: **µg/L**	Prep Date: **12/3/2024**	RunNo: **96088**
Client ID: **LCSW**	Batch ID: **46012**		Analysis Date: **12/3/2024**	SeqNo: **2004864**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	446	50.0	500.0	0	89.1	65	135				
Surr: Toluene-d8	24.7		25.00		98.8	65	135				
Surr: 4-Bromofluorobenzene	25.4		25.00		102	65	135				

Work Order: 2411560
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **MB-46012**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **12/3/2024**	RunNo: **96088**
Client ID: **MBLKW**	Batch ID: **46012**		Analysis Date: **12/3/2024**	SeqNo: **2004853**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	50.0									
Surr: Toluene-d8	24.0		25.00		96.2	65	135				
Surr: 4-Bromofluorobenzene	23.0		25.00		91.9	65	135				

Sample ID: **2411493-001ADUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **12/3/2024**	RunNo: **96088**
Client ID: **BATCH**	Batch ID: **46012**		Analysis Date: **12/3/2024**	SeqNo: **2004855**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	500						0		30	D
Surr: Toluene-d8	239		250.0		95.8	65	135		0		D
Surr: 4-Bromofluorobenzene	234		250.0		93.7	65	135		0		D

Sample ID: **2412023-001AMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **12/3/2024**	RunNo: **96088**
Client ID: **BATCH**	Batch ID: **46012**		Analysis Date: **12/3/2024**	SeqNo: **2004861**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	511	50.0	500.0	0	102	65	135				
Surr: Toluene-d8	24.6		25.00		98.4	65	135				
Surr: 4-Bromofluorobenzene	26.4		25.00		105	65	135				

Sample ID: **GX-CCV-96088B**	SampType: **CCV**	Units: **µg/L**	Prep Date: **12/4/2024**	RunNo: **96088**
Client ID: **CCV**	Batch ID: **46012**		Analysis Date: **12/4/2024**	SeqNo: **2004862**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	448	50.0	500.0	0	89.6	80	120				
Surr: Toluene-d8	24.2		25.00		96.7	65	135				
Surr: 4-Bromofluorobenzene	25.8		25.00		103	65	135				

Work Order: 2411560
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D SIM

Sample ID: **ICB** SampType: **ICB** Units: **µg/L** Prep Date: **12/5/2024** RunNo: **96159**
Client ID: **ICB** Batch ID: **46053** Analysis Date: **12/5/2024** SeqNo: **2006146**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
methyl tert-butyl ether (MTBE)	ND	0.100									
1,2-Dichloroethane (EDC)	ND	0.100									
Benzene	ND	0.100									
Toluene	ND	0.200									
1,2-Dibromoethane (EDB)	ND	0.0100									
Ethylbenzene	ND	0.100									
m,p-Xylene	ND	0.200									
o-Xylene	ND	0.100									
Surr: Dibromofluoromethane	9.94		10.00		99.4	68	140				
Surr: Toluene-d8	9.87		10.00		98.7	68.8	120				
Surr: 1-Bromo-4-fluorobenzene	9.67		10.00		96.7	62.9	130				

Sample ID: **ICV RR** SampType: **ICV** Units: **µg/L** Prep Date: **12/5/2024** RunNo: **96159**
Client ID: **ICV** Batch ID: **46053** Analysis Date: **12/5/2024** SeqNo: **2006148**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
methyl tert-butyl ether (MTBE)	4.66	0.100	5.000	0	93.2	70	130				
1,2-Dichloroethane (EDC)	4.77	0.100	5.000	0	95.4	70	130				
Benzene	4.58	0.100	5.000	0	91.5	70	130				
Toluene	4.85	0.200	5.000	0	97.1	70	130				
1,2-Dibromoethane (EDB)	5.17	0.0100	5.000	0	103	70	130				
Ethylbenzene	4.71	0.100	5.000	0	94.3	70	130				
m,p-Xylene	9.38	0.200	10.00	0	93.8	70	130				
o-Xylene	4.81	0.100	5.000	0	96.2	70	130				
Surr: Dibromofluoromethane	10.0		10.00		100	68	140				
Surr: Toluene-d8	9.95		10.00		99.5	68.8	120				
Surr: 1-Bromo-4-fluorobenzene	10.1		10.00		101	62.9	130				

Work Order: 2411560
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D SIM

Sample ID: **SIM-CCV-96166A** SampType: **CCV** Units: **µg/L** Prep Date: **12/5/2024** RunNo: **96166**
Client ID: **CCV** Batch ID: **46053** Analysis Date: **12/5/2024** SeqNo: **2006546**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
methyl tert-butyl ether (MTBE)	4.66	0.100	5.000	0	93.2	80	120				
1,2-Dichloroethane (EDC)	4.77	0.100	5.000	0	95.4	80	120				
Benzene	4.58	0.100	5.000	0	91.5	80	120				
Toluene	4.85	0.200	5.000	0	97.1	80	120				
1,2-Dibromoethane (EDB)	5.17	0.0100	5.000	0	103	80	120				
Ethylbenzene	4.71	0.100	5.000	0	94.3	80	120				
m,p-Xylene	9.38	0.200	10.00	0	93.8	80	120				
o-Xylene	4.81	0.100	5.000	0	96.2	80	120				
Surr: Dibromofluoromethane	10.0		10.00		100	68	140				
Surr: Toluene-d8	9.95		10.00		99.5	68.8	120				
Surr: 1-Bromo-4-fluorobenzene	10.1		10.00		101	62.9	130				

Sample ID: **LCS-46053** SampType: **LCS** Units: **µg/L** Prep Date: **12/5/2024** RunNo: **96166**
Client ID: **LCSW** Batch ID: **46053** Analysis Date: **12/5/2024** SeqNo: **2006554**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
methyl tert-butyl ether (MTBE)	4.66	0.100	5.000	0	93.2	80	120				
1,2-Dichloroethane (EDC)	4.77	0.100	5.000	0	95.4	80	120				
Benzene	4.58	0.100	5.000	0	91.5	80	120				
Toluene	4.85	0.200	5.000	0	97.1	80	120				
1,2-Dibromoethane (EDB)	5.17	0.0100	5.000	0	103	80	120				
Ethylbenzene	4.71	0.100	5.000	0	94.3	80	120				
m,p-Xylene	9.38	0.200	10.00	0	93.8	80	120				
o-Xylene	4.81	0.100	5.000	0	96.2	80	120				
Surr: Dibromofluoromethane	10.0		10.00		100	80	120				
Surr: Toluene-d8	9.95		10.00		99.5	80	120				
Surr: 1-Bromo-4-fluorobenzene	10.1		10.00		101	80	120				

Work Order: 2411560
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D SIM

Sample ID: **MB-46053** SampType: **MBLK** Units: **µg/L** Prep Date: **12/5/2024** RunNo: **96166**
Client ID: **MBLKW** Batch ID: **46053** Analysis Date: **12/5/2024** SeqNo: **2006547**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
methyl tert-butyl ether (MTBE)	ND	0.100									
1,2-Dichloroethane (EDC)	ND	0.100									
Benzene	ND	0.100									
Toluene	ND	0.200									
1,2-Dibromoethane (EDB)	ND	0.0100									
Ethylbenzene	ND	0.100									
m,p-Xylene	ND	0.200									
o-Xylene	ND	0.100									
Surr: Dibromofluoromethane	10.1		10.00		101	80	120				
Surr: Toluene-d8	10.1		10.00		101	80	120				
Surr: 1-Bromo-4-fluorobenzene	9.74		10.00		97.4	80	120				

Sample ID: **2411560-002ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **12/5/2024** RunNo: **96166**
Client ID: **GEI-12-112624** Batch ID: **46053** Analysis Date: **12/5/2024** SeqNo: **2006550**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
methyl tert-butyl ether (MTBE)	ND	0.100						0		30	
1,2-Dichloroethane (EDC)	ND	0.100						0		30	
Benzene	ND	0.100						0		30	
Toluene	ND	0.200						0		30	
1,2-Dibromoethane (EDB)	ND	0.0100						0		30	
Ethylbenzene	ND	0.100						0		30	
m,p-Xylene	ND	0.200						0		30	
o-Xylene	ND	0.100						0		30	
Surr: Dibromofluoromethane	10.3		10.00		103	80	120		0		
Surr: Toluene-d8	9.99		10.00		99.9	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	9.64		10.00		96.4	80	120		0		

Work Order: 2411560
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D SIM

Sample ID: **2411560-003AMS** SampType: **MS** Units: **µg/L** Prep Date: **12/5/2024** RunNo: **96166**
Client ID: **GEI-13-112624** Batch ID: **46053** Analysis Date: **12/5/2024** SeqNo: **2006553**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
methyl tert-butyl ether (MTBE)	5.11	0.100	5.000	0	102	67.3	124				
1,2-Dichloroethane (EDC)	5.05	0.100	5.000	0	101	72.9	123				
Benzene	5.00	0.100	5.000	0	100	74.2	124				
Toluene	5.20	0.200	5.000	0	104	75.4	123				
1,2-Dibromoethane (EDB)	5.48	0.0100	5.000	0	110	72.7	126				
Ethylbenzene	4.91	0.100	5.000	0	98.3	78.6	121				
m,p-Xylene	9.72	0.200	10.00	0	97.2	74.3	123				
o-Xylene	4.94	0.100	5.000	0	98.7	74.5	122				
Surr: Dibromofluoromethane	10.4		10.00		104	80	120				
Surr: Toluene-d8	10.1		10.00		101	80	120				
Surr: 1-Bromo-4-fluorobenzene	10.3		10.00		103	80	120				

Sample Log-In Check List

Client Name:	GEI	Work Order Number:	2411560
Logged by:	Clare Griggs	Date Received:	11/27/2024 12:13:00 PM

Chain of Custody

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

Log In

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

Special Handling (if applicable)

16. 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:			

17. Additional remarks:

Item Information

Item #	Temp °C
Sample	6.0

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

Chain of Custody Record & Laboratory Services Agreement

Alliance TECHNICAL GROUP
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Date: 11/26/24 Page: 1 of: 1

Laboratory Project No (internal): 2411560

Project Name: 701/709 South Jackson

Special Remarks:

Client: Geoengineers

Project No: 24504-001-04

Address: 2101 4th Avenue, Suite 950

Collected by: Max Henry Nelson

City, State, Zip: Seattle, WA 98121

Location: Seattle

Telephone: 206, 240.2300

Report To (PM): Robert Trahan

Disposal: Samples will be disposed in 30 days unless otherwise requested.
☐ Retain volume (specify above) ☐ Return to client

Email(s): rtrahan@Geoengineers.com

MTCA Method A

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624) SIM	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)	Naphthalenes (8270)	Comments
1	GEI-11-112624	11/26/24	1415	W	7	X	X	X		X				X T/D		X		(A) - Field Filtered Poly marked on bottle
2	GEI-12-112624		1645		8													
3	GEI-13-112624		1745		8													(A) EDB, EDC, MTBE
4	DUP-112624		1200		7													
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 Alliance Technical Group LLC 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	Max-Henry Nelson	11/27/24 @1100	x		
x	Thom Hunt	11.27 @1118	x	Jack Hawthorne	11/27/24 1213

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DATA SET for Review - Deliverable Requirements

Diesel and Heavy Oil by NWTPH-Dx

Alliance Technical Group Work Order No. 2411560

GeoEngineers

Project Name: 701/709 South Jackson

Project Number: 24504-001-04

This data set contains the following:

- Analytical Sequence Summary
- Calibration Information

Injection Log

Data Directory: D:\GC-24\Data\2024\241205BACK\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 12050001.D	DX_220112.M			
CO		149	1.000	05 Dec 2024 08:34 am
2) 12050003.D	DX_220112.M			
DX-CCV		1	1.000	05 Dec 2024 08:45 am
3) 12050005.D	DX_220112.M			
OIL-CCV		2	1.000	05 Dec 2024 08:57 am
4) 12050007.D	DX_220112.M			
CO		149	1.000	05 Dec 2024 09:09 am
5) 12050009.D	DX_220112.M			
MB-46008 SGT		71	1.000	05 Dec 2024 11:44 am
6) 12050011.D	DX_220112.M			
LCS-46008		72	1.000	05 Dec 2024 11:56 am
7) 12050013.D	DX_220112.M			
2411518-001B		73	1.000	05 Dec 2024 12:08 pm
8) 12050015.D	DX_220112.M			
2411519-001A SGT		74	1.000	05 Dec 2024 12:20 pm
9) 12050017.D	DX_220112.M			
2411519-002A		9	1.000	05 Dec 2024 12:31 pm
10) 12050019.D	DX_220112.M			
2411534-001B SGT		10	1.000	05 Dec 2024 12:43 pm
11) 12050021.D	DX_220112.M			
DX-CCV		1	1.000	05 Dec 2024 12:55 pm
12) 12050023.D	DX_220112.M			
OIL-CCV		2	1.000	05 Dec 2024 01:07 pm
13) 12050025.D	DX_220112.M			
CO		149	1.000	05 Dec 2024 01:19 pm
14) 12050027.D	DX_220112.M			
2411524-007B		82	1.000	05 Dec 2024 01:30 pm
15) 12050029.D	DX_220112.M			
2411524-007BDUP		83	1.000	05 Dec 2024 01:42 pm
16) 12050031.D	DX_220112.M			
2411524-008B		84	1.000	05 Dec 2024 01:54 pm
17) 12050033.D	DX_220112.M			
2411524-009B		85	1.000	05 Dec 2024 02:06 pm
18) 12050035.D	DX_220112.M			
2411534-001B		90	1.000	05 Dec 2024 02:18 pm
19) 12050037.D	DX_220112.M			
CO		149	1.000	05 Dec 2024 02:29 pm
20) 12050039.D	DX_220112.M			
2411531-001B		89	1.000	05 Dec 2024 02:41 pm
21) 12050041.D	DX_220112.M			
CO		149	1.000	05 Dec 2024 02:53 pm

22) 12050043.D DX_220112.M
CO 149 1.000 05 Dec 2024 03:05 pm
---
23) 12050045.D DX_220112.M
CO 149 1.000 05 Dec 2024 03:17 pm
---
24) 12050047.D DX_220112.M
DX-CCV 1 1.000 05 Dec 2024 03:29 pm
---
25) 12050049.D DX_220112.M
OIL-CCV 2 1.000 05 Dec 2024 03:40 pm
---
26) 12050051.D DX_220112.M
CO 149 1.000 05 Dec 2024 03:52 pm
---
27) 12050053.D DX_220112.M
2411519-001A SGT RR 74 1.000 05 Dec 2024 04:32 pm
---
28) 12050055.D DX_220112.M
DX-CCV 1 1.000 05 Dec 2024 04:46 pm
---
29) 12050057.D DX_220112.M
OIL-CCV 2 1.000 05 Dec 2024 04:58 pm
---
30) 12050059.D DX_220112.M
CO 149 1.000 05 Dec 2024 05:12 pm
---
31) 12050061.D DX_220112.M
CO 149 1.000 05 Dec 2024 05:24 pm
---
32) 12050063.D DX_220112.M
MB-46037 11 1.000 05 Dec 2024 05:35 pm
---
33) 12050065.D DX_220112.M
LCS-46037 12 1.000 05 Dec 2024 05:47 pm
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34) 12050067.D DX_220112.M
LCSD-46037 13 1.000 05 Dec 2024 05:59 pm
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35) 12050069.D DX_220112.M
2411544-001A 92 1.000 05 Dec 2024 06:11 pm
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36) 12050071.D DX_220112.M
2411557-001B 93 1.000 05 Dec 2024 06:23 pm
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37) 12050073.D DX_220112.M
2411557-002B 14 1.000 05 Dec 2024 06:35 pm
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38) 12050075.D DX_220112.M
2411557-003B 15 1.000 05 Dec 2024 06:46 pm
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39) 12050077.D DX_220112.M
2411559-001A 17 1.000 05 Dec 2024 06:58 pm
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40) 12050079.D DX_220112.M
2411560-001C 18 1.000 05 Dec 2024 07:10 pm
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41) 12050081.D DX_220112.M
2411560-002C 19 1.000 05 Dec 2024 07:22 pm
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42) 12050083.D DX_220112.M
2411560-003C 20 1.000 05 Dec 2024 07:34 pm
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43) 12050085.D DX_220112.M
2411560-004C 21 1.000 05 Dec 2024 07:45 pm
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44) 12050087.D DX_220112.M
2411405-001B 91 1.000 05 Dec 2024 07:57 pm
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45) 12050089.D DX_220112.M

CO 149 1.000 05 Dec 2024 08:09 pm

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46) 12050091.D DX_220112.M
2411558-001A 16 1.000 05 Dec 2024 08:21 pm

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47) 12050093.D DX_220112.M
CO 149 1.000 05 Dec 2024 08:33 pm

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48) 12050095.D DX_220112.M
CO 149 1.000 05 Dec 2024 08:45 pm

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49) 12050097.D DX_220112.M
DX-CCV 1 1.000 05 Dec 2024 08:57 pm

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50) 12050099.D DX_220112.M
OIL-CCV 2 1.000 05 Dec 2024 09:09 pm

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51) 12050101.D DX_220112.M
CO 149 1.000 05 Dec 2024 09:20 pm

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52) 12050103.D DX_220112.M
CO 149 1.000 05 Dec 2024 09:32 pm

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53) 12050105.D DX_220112.M
CO 149 1.000 05 Dec 2024 09:44 pm

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54) 12050107.D DX_220112.M
CO 149 1.000 05 Dec 2024 09:56 pm

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55) 12050109.D DX_220112.M
CO 149 1.000 05 Dec 2024 10:08 pm

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56) 12050111.D DX_220112.M
CO 149 1.000 05 Dec 2024 10:20 pm

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57) 12050113.D DX_220112.M
CO 149 1.000 05 Dec 2024 10:32 pm

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58) 12050115.D DX_220112.M
CO 149 1.000 05 Dec 2024 10:43 pm

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59) 12050117.D DX_220112.M
CO 149 1.000 05 Dec 2024 10:55 pm

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60) 12050119.D DX_220112.M
CO 149 1.000 05 Dec 2024 11:07 pm

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61) 12050121.D DX_220112.M
CO 149 1.000 05 Dec 2024 11:19 pm

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62) 12050123.D DX_220112.M
CO 149 1.000 05 Dec 2024 11:31 pm

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63) 12050125.D DX_220112.M
CO 149 1.000 05 Dec 2024 11:43 pm

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64) 12050127.D DX_220112.M
CO 149 1.000 05 Dec 2024 11:55 pm

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65) 12050129.D DX_220112.M
CO 149 1.000 06 Dec 2024 12:06 am

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66) 12050131.D DX_220112.M
CO 149 1.000 06 Dec 2024 12:18 am

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67) 12050133.D DX_220112.M
CO 149 1.000 06 Dec 2024 12:30 am

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68) 12050135.D DX_220112.M
CO 149 1.000 06 Dec 2024 12:42 am

69) 12050137.D DX_220112.M
CO 149 1.000 06 Dec 2024 12:54 am

70) 12050139.D DX_220112.M
CO 149 1.000 06 Dec 2024 01:06 am

71) 12050141.D DX_220112.M
CO 149 1.000 06 Dec 2024 01:18 am

72) 12050143.D DX_220112.M
CO 149 1.000 06 Dec 2024 01:30 am

73) 12050145.D DX_220112.M
CO 149 1.000 06 Dec 2024 01:42 am

74) 12050147.D DX_220112.M
CO 149 1.000 06 Dec 2024 01:53 am

75) 12050149.D DX_220112.M
CO 149 1.000 06 Dec 2024 02:05 am

76) 12050151.D DX_220112.M
CO 149 1.000 06 Dec 2024 02:17 am

77) 12050153.D DX_220112.M
CO 149 1.000 06 Dec 2024 02:29 am

78) 12050155.D DX_220112.M
CO 149 1.000 06 Dec 2024 02:41 am

79) 12050157.D DX_220112.M
CO 149 1.000 06 Dec 2024 02:53 am

Injection Log

Data Directory: D:\GC-24\Data\2024\241205BACK\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 12050001.D	DX_220112.M			
CO		149	1.000	05 Dec 2024 08:34 am
2) 12050003.D	DX_220112.M			
DX-CCV		1	1.000	05 Dec 2024 08:45 am
3) 12050005.D	DX_220112.M			
OIL-CCV		2	1.000	05 Dec 2024 08:57 am
4) 12050007.D	DX_220112.M			
CO		149	1.000	05 Dec 2024 09:09 am
5) 12050009.D	DX_220112.M			
MB-46008 SGT		71	1.000	05 Dec 2024 11:44 am
6) 12050011.D	DX_220112.M			
LCS-46008		72	1.000	05 Dec 2024 11:56 am
7) 12050013.D	DX_220112.M			
2411518-001B		73	1.000	05 Dec 2024 12:08 pm
8) 12050015.D	DX_220112.M			
2411519-001A SGT		74	1.000	05 Dec 2024 12:20 pm
9) 12050017.D	DX_220112.M			
2411519-002A		9	1.000	05 Dec 2024 12:31 pm
10) 12050019.D	DX_220112.M			
2411534-001B SGT		10	1.000	05 Dec 2024 12:43 pm
11) 12050021.D	DX_220112.M			
DX-CCV		1	1.000	05 Dec 2024 12:55 pm
12) 12050023.D	DX_220112.M			
OIL-CCV		2	1.000	05 Dec 2024 01:07 pm
13) 12050025.D	DX_220112.M			
CO		149	1.000	05 Dec 2024 01:19 pm
14) 12050027.D	DX_220112.M			
2411524-007B		82	1.000	05 Dec 2024 01:30 pm
15) 12050029.D	DX_220112.M			
2411524-007BDUP		83	1.000	05 Dec 2024 01:42 pm
16) 12050031.D	DX_220112.M			
2411524-008B		84	1.000	05 Dec 2024 01:54 pm
17) 12050033.D	DX_220112.M			
2411524-009B		85	1.000	05 Dec 2024 02:06 pm
18) 12050035.D	DX_220112.M			
2411534-001B		90	1.000	05 Dec 2024 02:18 pm
19) 12050037.D	DX_220112.M			
CO		149	1.000	05 Dec 2024 02:29 pm
20) 12050039.D	DX_220112.M			
2411531-001B		89	1.000	05 Dec 2024 02:41 pm
21) 12050041.D	DX_220112.M			
CO		149	1.000	05 Dec 2024 02:53 pm

22) 12050043.D	DX_220112.M				
CO		149	1.000	05 Dec 2024	03:05 pm
23) 12050045.D	DX_220112.M				
CO		149	1.000	05 Dec 2024	03:17 pm
24) 12050047.D	DX_220112.M				
DX-CCV		1	1.000	05 Dec 2024	03:29 pm
25) 12050049.D	DX_220112.M				
OIL-CCV		2	1.000	05 Dec 2024	03:40 pm
26) 12050051.D	DX_220112.M				
CO		149	1.000	05 Dec 2024	03:52 pm
27) 12050053.D	DX_220112.M				
2411519-001A SGT RR		74	1.000	05 Dec 2024	04:32 pm
28) 12050055.D	DX_220112.M				
DX-CCV		1	1.000	05 Dec 2024	04:46 pm
29) 12050057.D	DX_220112.M				
OIL-CCV		2	1.000	05 Dec 2024	04:58 pm
30) 12050059.D	DX_220112.M				
CO		149	1.000	05 Dec 2024	05:12 pm
31) 12050061.D	DX_220112.M				
CO		149	1.000	05 Dec 2024	05:24 pm
32) 12050063.D	DX_220112.M				
MB-46037		11	1.000	05 Dec 2024	05:35 pm
33) 12050065.D	DX_220112.M				
LCS-46037		12	1.000	05 Dec 2024	05:47 pm
34) 12050067.D	DX_220112.M				
LCSD-46037		13	1.000	05 Dec 2024	05:59 pm
35) 12050069.D	DX_220112.M				
2411544-001A		92	1.000	05 Dec 2024	06:11 pm
36) 12050071.D	DX_220112.M				
2411557-001B		93	1.000	05 Dec 2024	06:23 pm
37) 12050073.D	DX_220112.M				
2411557-002B		14	1.000	05 Dec 2024	06:35 pm
38) 12050075.D	DX_220112.M				
2411557-003B		15	1.000	05 Dec 2024	06:46 pm
39) 12050077.D	DX_220112.M				
2411559-001A		17	1.000	05 Dec 2024	06:58 pm
40) 12050079.D	DX_220112.M				
2411560-001C		18	1.000	05 Dec 2024	07:10 pm
41) 12050081.D	DX_220112.M				
2411560-002C		19	1.000	05 Dec 2024	07:22 pm
42) 12050083.D	DX_220112.M				
2411560-003C		20	1.000	05 Dec 2024	07:34 pm
43) 12050085.D	DX_220112.M				
2411560-004C		21	1.000	05 Dec 2024	07:45 pm
44) 12050087.D	DX_220112.M				
2411405-001B		91	1.000	05 Dec 2024	07:57 pm
45) 12050089.D	DX_220112.M				

CO 149 1.000 05 Dec 2024 08:09 pm

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46) 12050091.D DX_220112.M
2411558-001A 16 1.000 05 Dec 2024 08:21 pm

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47) 12050093.D DX_220112.M
CO 149 1.000 05 Dec 2024 08:33 pm

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48) 12050095.D DX_220112.M
CO 149 1.000 05 Dec 2024 08:45 pm

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49) 12050097.D DX_220112.M
DX-CCV 1 1.000 05 Dec 2024 08:57 pm

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50) 12050099.D DX_220112.M
OIL-CCV 2 1.000 05 Dec 2024 09:09 pm

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51) 12050101.D DX_220112.M
CO 149 1.000 05 Dec 2024 09:20 pm

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52) 12050103.D DX_220112.M
CO 149 1.000 05 Dec 2024 09:32 pm

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53) 12050105.D DX_220112.M
CO 149 1.000 05 Dec 2024 09:44 pm

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54) 12050107.D DX_220112.M
CO 149 1.000 05 Dec 2024 09:56 pm

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55) 12050109.D DX_220112.M
CO 149 1.000 05 Dec 2024 10:08 pm

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56) 12050111.D DX_220112.M
CO 149 1.000 05 Dec 2024 10:20 pm

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57) 12050113.D DX_220112.M
CO 149 1.000 05 Dec 2024 10:32 pm

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58) 12050115.D DX_220112.M
CO 149 1.000 05 Dec 2024 10:43 pm

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59) 12050117.D DX_220112.M
CO 149 1.000 05 Dec 2024 10:55 pm

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60) 12050119.D DX_220112.M
CO 149 1.000 05 Dec 2024 11:07 pm

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61) 12050121.D DX_220112.M
CO 149 1.000 05 Dec 2024 11:19 pm

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62) 12050123.D DX_220112.M
CO 149 1.000 05 Dec 2024 11:31 pm

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63) 12050125.D DX_220112.M
CO 149 1.000 05 Dec 2024 11:43 pm

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64) 12050127.D DX_220112.M
CO 149 1.000 05 Dec 2024 11:55 pm

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65) 12050129.D DX_220112.M
CO 149 1.000 06 Dec 2024 12:06 am

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66) 12050131.D DX_220112.M
CO 149 1.000 06 Dec 2024 12:18 am

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67) 12050133.D DX_220112.M
CO 149 1.000 06 Dec 2024 12:30 am

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68) 12050135.D DX_220112.M
CO 149 1.000 06 Dec 2024 12:42 am

69) 12050137.D DX_220112.M
CO 149 1.000 06 Dec 2024 12:54 am

70) 12050139.D DX_220112.M
CO 149 1.000 06 Dec 2024 01:06 am

71) 12050141.D DX_220112.M
CO 149 1.000 06 Dec 2024 01:18 am

72) 12050143.D DX_220112.M
CO 149 1.000 06 Dec 2024 01:30 am

73) 12050145.D DX_220112.M
CO 149 1.000 06 Dec 2024 01:42 am

74) 12050147.D DX_220112.M
CO 149 1.000 06 Dec 2024 01:53 am

75) 12050149.D DX_220112.M
CO 149 1.000 06 Dec 2024 02:05 am

76) 12050151.D DX_220112.M
CO 149 1.000 06 Dec 2024 02:17 am

77) 12050153.D DX_220112.M
CO 149 1.000 06 Dec 2024 02:29 am

78) 12050155.D DX_220112.M
CO 149 1.000 06 Dec 2024 02:41 am

79) 12050157.D DX_220112.M
CO 149 1.000 06 Dec 2024 02:53 am

80) 12060001.D DX_220112.M
CO 149 1.000 06 Dec 2024 08:15 am

81) 12060003.D DX_220112.M
DX-CCV 1 1.000 06 Dec 2024 08:27 am

82) 12060005.D DX_220112.M
OIL-CCV 2 1.000 06 Dec 2024 08:39 am

83) 12060007.D DX_220112.M
CO 149 1.000 06 Dec 2024 08:51 am

84) 12060009.D DX_220112.M
2412006-001A 22 1.000 06 Dec 2024 12:22 pm

85) 12060011.D DX_220112.M
2412007-001B 24 1.000 06 Dec 2024 12:33 pm

86) 12060013.D DX_220112.M
2412022-001B 25 1.000 06 Dec 2024 12:46 pm

87) 12060015.D DX_220112.M
CO 149 1.000 06 Dec 2024 12:58 pm

88) 12060017.D DX_220112.M
2412023-001B 26 1.000 06 Dec 2024 01:10 pm

89) 12060019.D DX_220112.M
CO 149 1.000 06 Dec 2024 01:23 pm

90) 12060021.D DX_220112.M
2412006-002A 23 1.000 06 Dec 2024 01:35 pm

91) 12060023.D DX_220112.M
CO 149 1.000 06 Dec 2024 01:46 pm

92) 12060025.D DX_220112.M
DX-CCV 1 1.000 06 Dec 2024 01:58 pm

93) 12060027.D DX_220112.M
OIL-CCV 2 1.000 06 Dec 2024 02:10 pm

94) 12060029.D DX_220112.M
CO 149 1.000 06 Dec 2024 02:22 pm

Calibration

Initial Calibration Report

Agilent Technologies

Method Path	D:\GC-24\Methods\Quantitation Methods\Back
Method File	DX_240409.m
Batch Name	D:\GC-24\Data\2024\240409BACK\QuantResults\DX HO Cal.batch.bin
Last Calib Update	4/10/2024 4:42:49 PM

Level Name	Calibration Files	Acq. Date-Time	Level Last Update Time
1	D:\GC-24\Data\2024\240409BACK\04090031.D	4/9/2024 1:55:52 PM	4/10/2024 4:42:07 PM
2	D:\GC-24\Data\2024\240409BACK\04090033.D	4/9/2024 2:06:39 PM	4/10/2024 4:42:07 PM
3	D:\GC-24\Data\2024\240409BACK\04090035.D	4/9/2024 2:17:24 PM	4/10/2024 4:42:07 PM
4	D:\GC-24\Data\2024\240409BACK\04090037.D	4/9/2024 2:28:22 PM	4/10/2024 4:42:07 PM
5	D:\GC-24\Data\2024\240409BACK\04090039.D	4/9/2024 2:39:07 PM	4/10/2024 4:42:07 PM
6	D:\GC-24\Data\2024\240409BACK\04090041.D	4/9/2024 2:49:56 PM	4/10/2024 4:42:07 PM
7	D:\GC-24\Data\2024\240409BACK\04090043.D	4/9/2024 3:00:45 PM	4/10/2024 4:42:07 PM

	Compound	1	2	3	4	5	6	7	1	2	3	4	5	6	7	Avg RF	%RSD
S	2-Fluorobiphenyl									95433.9800	77476.1047	84071.8083	91238.3510	90756.0643		87795.2617	8.040
T	Diesel	91165.6247	110620.7173	92676.0344	85702.4347	89291.8285	89760.1689	98454.3921								93953.0287	8.850
T	Heavy Oil								57234.1883	60559.2580	51195.4710	52941.3297	58216.7349	60839.0227		56831.0008	6.991
S	O-Terphenyl									103929.7960	85053.1418	92080.7483	100011.8908	100111.1966		96237.3547	7.893

(RedFont and #) = Outlier Flag; (I) = Internal Standard; (T) = Target; (S) = Surrogate; (M) = Matrix Spike

Compounds with Curve fitting not using Avg Response Factor:

	Compound	Curve Fit	Curve Fit Formula	Curve Fit R2
S	2-Fluorobiphenyl	Linear	y = 90507.155605 * x	0.999406
T	Diesel	Linear	y = 96396.332755 * x	0.997606
T	Heavy Oil	Linear	y = 60151.590561 * x	0.998522
S	O-Terphenyl	Linear	y = 99684.032338 * x	0.999338

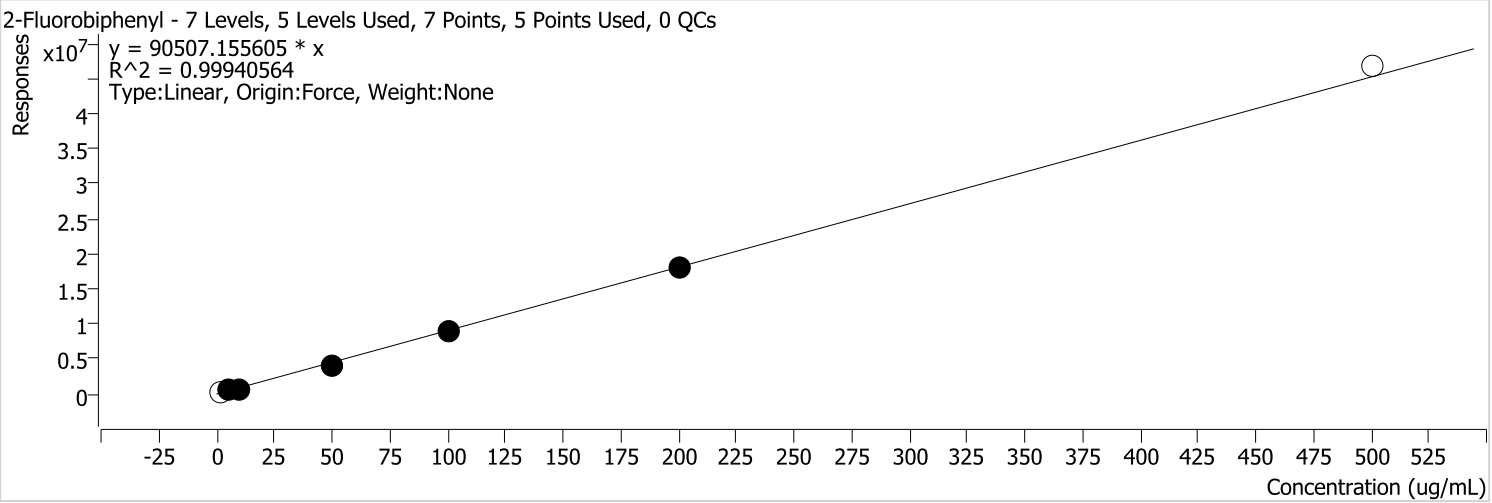
(RedFont and #) = Outlier Flag; (I) = Internal Standard; (T) = Target; (S) = Surrogate; (M) = Matrix Spike

Calibration Report

Agilent Technologies

Batch Path	D:\GC-24\Data\2024\240409BACK\QuantResults\DX HO Cal.batch.bin		
Analysis Time	4/10/2024 4:45:18 PM	**Analyst Name**	FA\GC24
Report Time	4/10/2024 4:48:41 PM	**Reporter Name**	GC24
Last Calib Update	4/10/2024 4:42:49 PM	**Batch State**	Processed

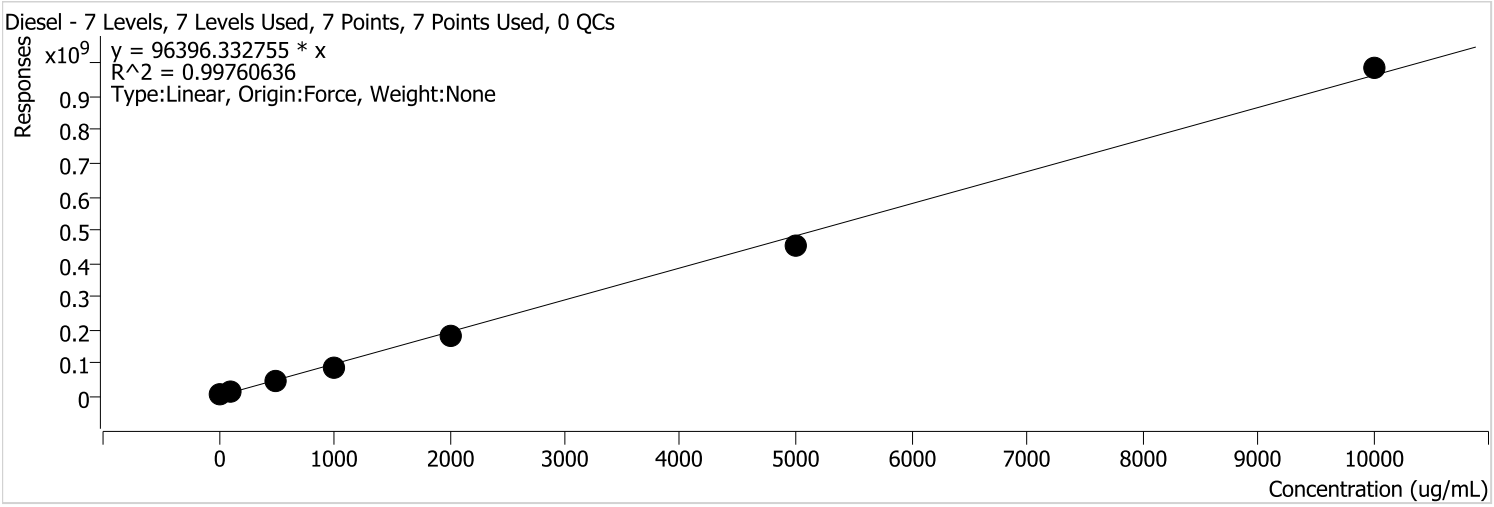
2-Fluorobiphenyl



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\GC-24\Data\2024\240409BACK\04090031.D	Calibration	1		88450	2.0000	44224.9966
D:\GC-24\Data\2024\240409BACK\04090033.D	Calibration	2	x	477170	5.0000	95433.9800
D:\GC-24\Data\2024\240409BACK\04090035.D	Calibration	3	x	774761	10.0000	77476.1047
D:\GC-24\Data\2024\240409BACK\04090037.D	Calibration	4	x	4203590	50.0000	84071.8083
D:\GC-24\Data\2024\240409BACK\04090039.D	Calibration	5	x	9123835	100.0000	91238.3510
D:\GC-24\Data\2024\240409BACK\04090041.D	Calibration	6	x	18151213	200.0000	90756.0643
D:\GC-24\Data\2024\240409BACK\04090043.D	Calibration	7		46723639	500.0000	93447.2775

Batch Path	D:\GC-24\Data\2024\240409BACK\QuantResults\DX HO Cal.batch.bin		
Analysis Time	4/10/2024 4:45:18 PM	**Analyst Name**	FA\GC24
Report Time	4/10/2024 4:48:42 PM	**Reporter Name**	GC24
Last Calib Update	4/10/2024 4:42:49 PM	**Batch State**	Processed

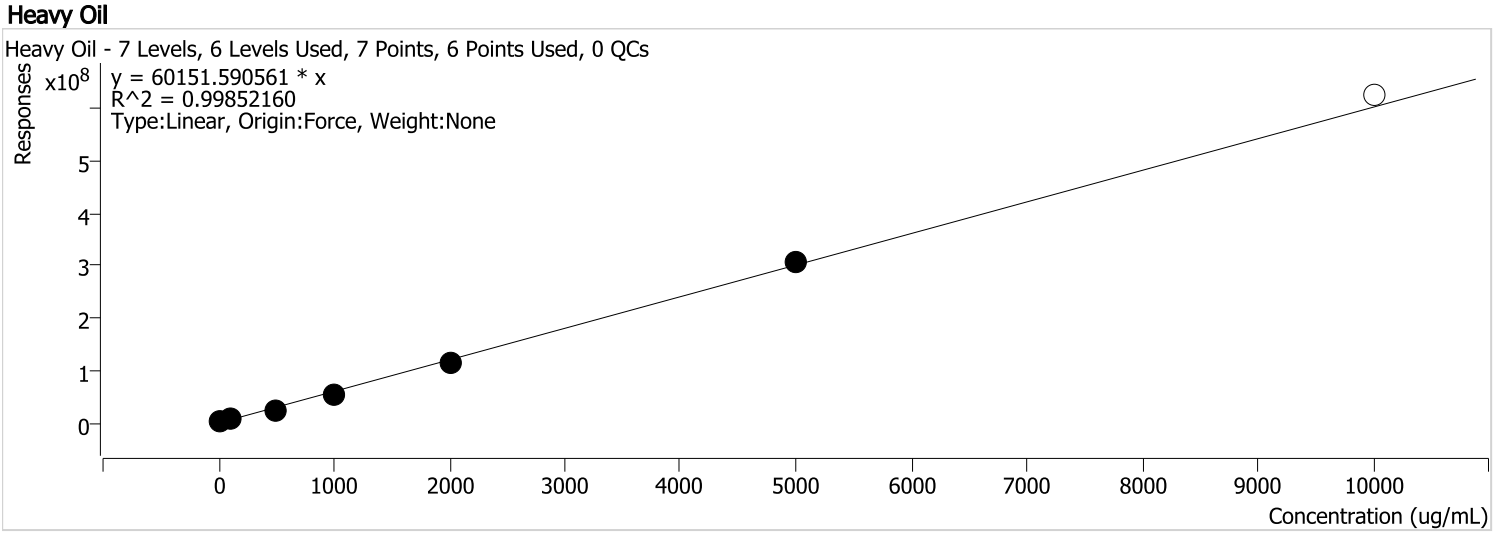
Diesel



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\GC-24\Data\2024\240409BACK\04090007.D	Calibration	1	x	1823312	20.0000	91165.6247
D:\GC-24\Data\2024\240409BACK\04090009.D	Calibration	2	x	11062072	100.0000	110620.7173
D:\GC-24\Data\2024\240409BACK\04090011.D	Calibration	3	x	46338017	500.0000	92676.0344
D:\GC-24\Data\2024\240409BACK\04090013.D	Calibration	4	x	85702435	1000.0000	85702.4347
D:\GC-24\Data\2024\240409BACK\04090015.D	Calibration	5	x	178583657	2000.0000	89291.8285
D:\GC-24\Data\2024\240409BACK\04090017.D	Calibration	6	x	448800845	5000.0000	89760.1689
D:\GC-24\Data\2024\240409BACK\04090019.D	Calibration	7	x	984543921	10000.0000	98454.3921

Batch Path	D:\GC-24\Data\2024\240409BACK\QuantResults\DX HO Cal.batch.bin		
Analysis Time	4/10/2024 4:45:18 PM	**Analyst Name**	FA\GC24
Report Time	4/10/2024 4:48:42 PM	**Reporter Name**	GC24
Last Calib Update	4/10/2024 4:42:49 PM	**Batch State**	Processed

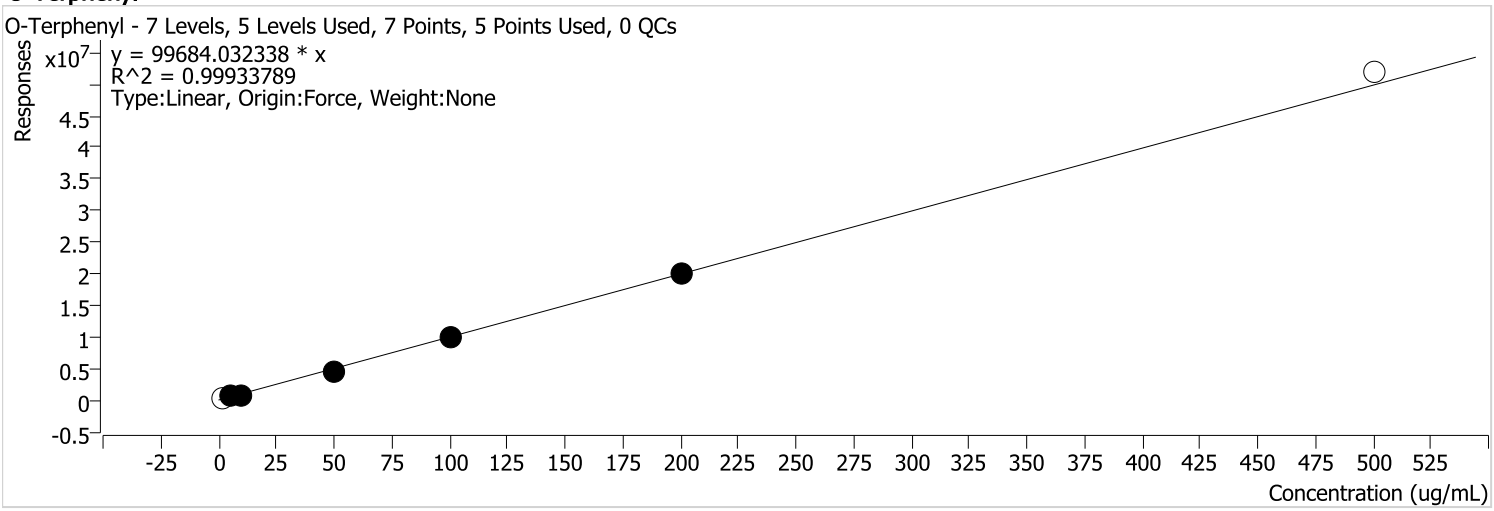
Heavy Oil



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\GC-24\Data\2024\240409BACK\04090031.D	Calibration	1	x	1144684	20.0000	57234.1883
D:\GC-24\Data\2024\240409BACK\04090033.D	Calibration	2	x	6055926	100.0000	60559.2580
D:\GC-24\Data\2024\240409BACK\04090035.D	Calibration	3	x	25597736	500.0000	51195.4710
D:\GC-24\Data\2024\240409BACK\04090037.D	Calibration	4	x	52941330	1000.0000	52941.3297
D:\GC-24\Data\2024\240409BACK\04090039.D	Calibration	5	x	116433470	2000.0000	58216.7349
D:\GC-24\Data\2024\240409BACK\04090041.D	Calibration	6	x	304195114	5000.0000	60839.0227
D:\GC-24\Data\2024\240409BACK\04090043.D	Calibration	7		623446203	10000.0000	62344.6203

Batch Path	D:\GC-24\Data\2024\240409BACK\QuantResults\DX HO Cal.batch.bin		
Analysis Time	4/10/2024 4:45:18 PM	**Analyst Name**	FA\GC24
Report Time	4/10/2024 4:48:42 PM	**Reporter Name**	GC24
Last Calib Update	4/10/2024 4:42:49 PM	**Batch State**	Processed

O-Terphenyl



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\GC-24\Data\2024\240409BACK\04090031.D	Calibration	1		96822	2.0000	48411.0465
D:\GC-24\Data\2024\240409BACK\04090033.D	Calibration	2	x	519649	5.0000	103929.7960
D:\GC-24\Data\2024\240409BACK\04090035.D	Calibration	3	x	850531	10.0000	85053.1418
D:\GC-24\Data\2024\240409BACK\04090037.D	Calibration	4	x	4604037	50.0000	92080.7483
D:\GC-24\Data\2024\240409BACK\04090039.D	Calibration	5	x	10001189	100.0000	100011.8908
D:\GC-24\Data\2024\240409BACK\04090041.D	Calibration	6	x	20022239	200.0000	100111.1966
D:\GC-24\Data\2024\240409BACK\04090043.D	Calibration	7		51816647	500.0000	103633.2940

Heavy Oil Calibration

Date: 3/29/24 **Oil CAL STD:** 28889 Concentration: 50,000 ug/L

Analyst: Alex Pates **Oil ICV (SS):** 27047 Concentration: 50,000 ug/L

MeCl2: 8059 **SURROGATE:** 29510 Concentration: 1,000 ug/L

1 3 2

	Calibration Point (ppm)	Surr Cal Point (ppm)	MeCl2 (uL)	STD Conc (ppm)	STD Amt (uL)	Surr Amt (uL)	Final Vol. (mL)	Comments
21	20	2	980	1000*	20*	-	1	*Note: the 1000 point w/ HO and surr will be used to make points 100 and 20
22	100	5	900	1000*	100*	-	1	
23	500	10	980	50,000	10	10	1	
24	1000*	50	930	50,000	20	50	1	
25	2000	100	860	50,000	40	100	1	
26	5000	200	700	50,000	100	200	1	
27	10000	500 -	300 ~~800~~ AHP 3/29/24	50,000	200	500 -	1	
28	ICB	-	990	-	-	10	1	
29	ICV (500)	10	980	50,000 SS	10	10	1	

Signature and Date: Alex Pate 3/29/24

Signature: ADK

Diesel Calibration

Date: 3/29/24 **DX CAL STD:** 29114 Concentration: 50,000 ug/L

Analyst: Alex Potes **DX ICV (SS):** 28397 Concentration: 50,000 ug/L

MeCl2: 8059 **Surr:** 29510 Concentration 1000 mg/L

	Calibration Point (ppm)	MeCl2 (uL)	STD Conc (ppm)	STD Amt (uL)	Surr (uL)	Final Vol. (mL)	Comments
11	20	980	1000*	20	-	1	
12	100	900	1000*	100	-	1	
13	500	990	50,000	10	-	1	
14	1000*	980	50,000	20	-	1	
15	2000	960	50,000	40	-	1	
16	5000	900	50,000	100	-	1	*Note: the 1000 point will be used to make points 100 and 20
17	10000	800	50,000	200	-	1	
18	ICB	990 ~~980~~ AHP 3/27/24	-	-	10	1	
19	ICV (500)	980 ~~970~~ AHP 3/27/24	50,000 SS	10	10	1	

Signature and Date: Alex Potes 3/29/24

Signature: ADK

Supporting Data

Diesel Water Prep Bench Sheet

Analyst:	NZ
Date and Time:	12/4/24
Batch:	465037

Notes / Modifications

Equipment	
Type	**ID**
Balance:	4
Solvent Dispenser:	5
Buchi:	3
Other:	

Bottle Roller Times	
Roller START:	18:00
Roller STOP:	8:00
Roller START:	
Roller STOP:	

Buchi Concentration Times	
Buchi START:	3:10
Buchi STOP:	4:18
Buchi START:	
Buchi STOP:	

Spikes / Chemicals / Reagents	Omega ID	Amount Used
Diesel Surrogate 1,000 ug/mL	30472	10 µL
Diesel Spike 50,000 ug/mL	29942	10 µL
1:1 Sulfuric Acid	6939	~1 mL
pH strips	30390	1/Each
Methylene Chloride	8567	70 mL
Sodium Sulfate	8337	~5 g
Silica Gel [Circle One: YES / NO]		

Final Volume Before Analysis	1 mL

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date
	NZ 12/4/24

Samples verified pH < 2	Initial/Date

Dilutions	
Sample ID	**Dilution Description**

Sign and date below if you contributed to this preparation batch

NZ 12/4/24

Brayden Chin 12/4 Mitchell Stelly 12/5/2024

Fremont Analytical, Inc

PREP BATCH REPORT

Prep Start Date: **12/4/2024 3:46:30 P**
Prep End Date:
Technician: **Edward Chien**

Prep Factor Units: **mL / mL**

Prep Batch ID: **46037** Prep Code: **PREP-DX-W** Method No: **SW3510C**

BACK

Buch. 3, Run 3, 12/5, MF
3:10 - 4:18

Sample ID	ClientSampleID		Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46037		11	Water	400	1	0.003	12/4/2024	Preliminary
LCS-46037		12	Water	400	1	0.003	12/4/2024	Preliminary
LCSD-46037		13	Water	400	1	0.003	12/4/2024	Preliminary
2411557-002B	Effluent 2	14	Water 309+311	419.73	1	0.002	12/4/2024	Preliminary
2411557-003B	Effluent 3	15	Water 309+311	413.92	1	0.002	12/4/2024	Preliminary
2411558-001A	Catch Basin	16	Stormwater 309	413.5	1	0.002	12/4/2024	Preliminary
2411559-001A	BFS13	17	Stormwater	413.21	1	0.002	12/4/2024	Preliminary
2411560-001C	GEI-11-112624	18	Water	412.78	1	0.002	12/4/2024	Preliminary
2411560-002C	GEI-12-112624	19	Water	416.12	1	0.002	12/4/2024	Preliminary
2411560-003C	GEI-13-112624	20	Water	402.48	1	0.002	12/4/2024	Preliminary
2411560-004C	DUP-112624	21	Water	389.18	1	0.003	12/4/2024	Preliminary
2412006-001A	Influent	22	Stormwater	418.89	1	0.002	12/4/2024	Preliminary
2412006-002A	Discharge	23	Stormwater	409.85	1	0.002	12/4/2024	Preliminary
2412007-001B	Discharge	24	Stormwater	408.28	1	0.002	12/4/2024	Preliminary
2412022-001B	Pond I	25	Water	414.71	1	0.002	12/4/2024	Preliminary
2412023-001B	FWTC	26	Water	408.14	1	0.002	12/4/2024	Preliminary

12/6

12/9

SGT

Buchi 3 Run 1
8:57 - 10:01
12/6 EC

Diesel Water Prep Bench Sheet

Analyst:	NZ
Date and Time:	12/4/24
Batch:	455037

Notes / Modifications

Equipment	
Type	**ID**
Balance:	4
Solvent Dispenser:	5
Buchi:	3
Other:	

Bottle Roller Times	
Roller START:	18:00
Roller STOP:	8:00
Roller START:	
Roller STOP:	

Buchi Concentration Times	
Buchi START:	3:10
Buchi STOP:	4:18
Buchi START:	
Buchi STOP:	

Spikes / Chemicals / Reagents	Omega ID	Amount Used
Diesel Surrogate 1,000 ug/mL	30472	10 µL
Diesel Spike 50,000 ug/mL	29942	10 µL
1:1 Sulfuric Acid	6939	~1 mL
pH strips	30390	1/Each
Methylene Chloride	4567	70 mL
Sodium Sulfate	6337	~5 g
Silica Gel [Circle One: YES / NO]		

Final Volume Before Analysis	1 mL

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date
	NZ 12/4/24

Samples verified pH < 2	Initial/Date
	EC 12/6/24

Dilutions	
Sample ID	**Dilution Description**

Sign and date below if you contributed to this preparation batch

NZ 12/4/24

[signature] 12/4 [signature] 12/5/2024

Fremont Analytical, Inc

PREP BATCH REPORT

Prep Start Date: **12/4/2024 3:46:30 P**
Prep End Date:
Technician: **Edward Chien**

Prep Factor Units: **mL / mL**

Prep Batch ID: **46037** Prep Code: **PREP-DX-W** Method No: **SW3510C**

BACK

Sample ID	ClientSampleID		Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46037		11	Water	400	1	0.003	12/4/2024	Preliminary
LCS-46037		12	Water	400	1	0.003	12/4/2024	Preliminary
LCSD-46037		13	Water	400	1	0.003	12/4/2024	Preliminary
2411557-002B	Effluent 2	14	Water	419.73	1	0.002	12/4/2024	Preliminary
2411557-003B	Effluent 3	15	Water	413.92	1	0.002	12/4/2024	Preliminary
2411558-001A	Catch Basin	16	Stormwater	413.5	1	0.002	12/4/2024	Preliminary
2411559-001A	BFS13	17	Stormwater	413.21	1	0.002	12/4/2024	Preliminary
2411560-001C	GEI-11-112624	18	Water	412.78	1	0.002	12/4/2024	Preliminary
2411560-002C	GEI-12-112624	19	Water	416.12	1	0.002	12/4/2024	Preliminary
2411560-003C	GEI-13-112624	20	Water	402.48	1	0.002	12/4/2024	Preliminary
2411560-004C	DUP-112624	21	Water	389.18	1	0.003	12/4/2024	Preliminary
2412006-001A	Influent	22	Stormwater	418.89	1	0.002	12/4/2024	Preliminary
2412006-002A	Discharge	23	Stormwater	409.85	1	0.002	12/4/2024	Preliminary
2412007-001B	Discharge	24	Stormwater	408.28	1	0.002	12/4/2024	Preliminary
2412022-001B	Pond I	25	Water	414.71	1	0.002	12/4/2024	Preliminary
2412023-001B	FWTC	26	Water	408.14	1	0.002	12/4/2024	Preliminary

Buch. 3, Run 3, 12/5, MF
3:10 - 4:18

309 + 311
309 + 311
309

12/6

12/9

SGT

Buchi 3 Run 1
8:57 - 10:01
12/6 EC

Diesel Water Prep Bench Sheet

Analyst:	NZ
Date and Time:	12/4/24
Batch:	465037

Equipment	
Type	ID
Balance:	4
Solvent Dispenser:	5
Buchi:	3
Other:	

Spikes / Chemicals / Reagents	Omega ID	Amount Used
Diesel Surrogate 1,000 ug/mL	30472	10 µL
Diesel Spike 50,000 ug/mL	29942	10 µL
1:1 Sulfuric Acid	6939	~1 mL
pH strips	30390	1/Each
Methylene Chloride	4567	70 mL
Sodium Sulfate	8337	~5 g
Silica Gel [Circle One: (YES) / NO]	8444	~0.1g

Notes / Modifications

Bottle Roller Times	
Roller START:	18:00
Roller STOP:	8:00
Roller START:	
Roller STOP:	

Final Volume Before Analysis	1 mL

Buchi Concentration Times	
Buchi START:	3:10
Buchi STOP:	4:18
Buchi START:	
Buchi STOP:	

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date
	NZ 12/4/24

Samples verified pH < 2	Initial/Date
	EC 12/6/24

Dilutions	
Sample ID	Dilution Description

Sign and date below if you contributed to this preparation batch
NZ 12/4/24
Alex Potter 12/9/24
Brayden Chris 12/9 Michael Beck 12/5/2024

Signature: AK

Fremont Analytical, Inc

PREP BATCH REPORT

Prep Start Date: **12/4/2024 3:46:30 P**
Prep End Date:
Technician: **Edward Chien**

Prep Factor Units: **mL / mL**

Prep Batch ID: **46037** Prep Code: **PREP-DX-W** Method No: **SW3510C**

Sample ID	ClientSampleID		Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46037		11	Water	400	1	0.003	12/4/2024	Preliminary
LCS-46037		12	Water	400	1	0.003	12/4/2024	Preliminary
LCSD-46037		13	Water	400	1	0.003	12/4/2024	Preliminary
2411557-002B	Effluent 2	14	Water	419.73	1	0.002	12/4/2024	Preliminary
2411557-003B	Effluent 3	15	Water	413.92	1	0.002	12/4/2024	Preliminary
2411558-001A	Catch Basin	16	Stormwater	413.5	1	0.002	12/4/2024	Preliminary
2411559-001A	BFS13	17	Stormwater	413.21	1	0.002	12/4/2024	Preliminary
2411560-001C	GEI-11-112624	18	Water	412.78	1	0.002	12/4/2024	Preliminary
2411560-002C	GEI-12-112624	19	Water	416.12	1	0.002	12/4/2024	Preliminary
2411560-003C	GEI-13-112624	20	Water	402.48	1	0.002	12/4/2024	Preliminary
2411560-004C	DUP-112624	21	Water	389.18	1	0.003	12/4/2024	Preliminary
2412006-001A	Influent	22	Stormwater	418.89	1	0.002	12/4/2024	Preliminary
2412006-002A	Discharge	23	Stormwater	409.85	1	0.002	12/4/2024	Preliminary
2412007-001B	Discharge	24	Stormwater	408.28	1	0.002	12/4/2024	Preliminary
2412022-001B	Pond I	25	Water	414.71	1	0.002	12/4/2024	Preliminary
2412023-001B	FWTC	26	Water	408.14	1	0.002	12/4/2024	Preliminary

BACK

Buch. 3, Run 3, 12/5, MF
3:10 - 4:18

309 + 311

309

309 + 311

309

309

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309

12/6

12/9

SGT

Buchi 3 Run 1
8:57 - 10:01
12/6 EC

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **12/4/2024 3:46:30 P**
Prep End Date: **12/4/2024 5:25:52 P**
Technician: **Edward Chien**

Prep Factor Units: **mL / mL**

Prep Batch ID: **46037** Prep Code: **PREP-DX-W** Method No: **SW3510C**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46037		Water	400	1	0.003	12/4/2024	12/4/2024
LCS-46037		Water	400	1	0.003	12/4/2024	12/4/2024
LCSD-46037		Water	400	1	0.003	12/4/2024	12/4/2024
2411557-002B	Effluent 2	Water	419.73	1	0.002	12/4/2024	12/4/2024
2411557-003B	Effluent 3	Water	413.92	1	0.002	12/4/2024	12/4/2024
2411558-001A	Catch Basin	Stormwater	413.5	1	0.002	12/4/2024	12/4/2024
2411559-001A	BFS13	Stormwater	413.21	1	0.002	12/4/2024	12/4/2024
2411560-001C	GEI-11-112624	Water	412.78	1	0.002	12/4/2024	12/4/2024
2411560-002C	GEI-12-112624	Water	416.12	1	0.002	12/4/2024	12/4/2024
2411560-003C	GEI-13-112624	Water	402.48	1	0.002	12/4/2024	12/4/2024
2411560-004C	DUP-112624	Water	389.18	1	0.003	12/4/2024	12/4/2024
2412006-001A	Influent	Stormwater	418.89	1	0.002	12/4/2024	12/4/2024
2412006-002A	Discharge	Stormwater	409.85	1	0.002	12/4/2024	12/4/2024
2412007-001B	Discharge	Stormwater	408.28	1	0.002	12/4/2024	12/4/2024
2412022-001B	Pond I	Water	414.71	1	0.002	12/4/2024	12/4/2024
2412023-001B	FWTC	Water	408.14	1	0.002	12/4/2024	12/4/2024

Reporting Checklist

Fremont Analytical

Analyst: Alex Pates	Workorder(s): 11557, 11558, 11559, 11560
Date: 12/6/24, 12/9/24	12006, 12007, 12022, 12023
Prep #: 46037	
Run(s) #: 96167	Analysis: O-DXEX-W

Y/N		Reviewed
Y	**Run complete? (i.e., all QC, samples, dilutions present)**	✔
Y	**All QC within limits?** [ ] Exceedances acceptable per QA Manual and/or Auth'd by PM____?	✔
	☐CCV out ☐LCS out ☐MS out ☐Blank hits ☐IS/surr out ☐RPD out	
	☐Hold time ☐Other_____	
N	Any pending dilutions, re-extracts, or reanalysis to be completed in future run?	
N/A	**Manual entries/narratives reviewed for accuracy? (note below)** Analyst: Reviewer:	
✔	**Omega checks performed?**	✔
✔	SampID, Test Code, Type, Prep	
✔	PMOIST, pH	
✔	BLKref, SPKref, RPDref, CCVref	
✔	Attachments	✔
	☑Sequence ☑Cgrams ☑Bench Sheets ☐Perf Checks ☐Tech Doc	
✔	Related Info	✔
	☑ICAL Ref ☐ICAL Ack/QA'd? ☑Spiking Info/CCV Std ☐_____	
✔	Reporting Checks	✔
	☐Dilutions data/narr redundancy check ☐RLs OK (low wt, high pmoist, dilutions)	

Notes for Reviewer

By signing, I attest that I have followed the SOP

AHP 12/9/24	ADK 12/9/2024
Analyst Date	Reviewer Date

DATA SET for Review - Deliverable Requirements

Dissolved Metals by EPA 6020B

Alliance Technical Group Work Order No. 2411560

GeoEngineers

Project Name: 701/709 South Jackson

Project Number: 24504-001-04

This data set contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information
- Internal Standards Report

Batch Log

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\241205ME .b

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
1	12/5/2024 10:56:09	<Auto tune>				Error	Semi Auto tune failed because sensitivity is too low.			ICPMS		
2	12/5/2024 11:07:15	CalBlk	CAL BLANK	1	001CALB.d	Pass		1		ICPMS		1
3	12/5/2024 11:09:46	CalBlk	CAL BLANK	1	002CALB.d	Pass		1		ICPMS		1
4	12/5/2024 11:12:28	CalBlk	CAL BLANK	1	003CALB.d	Pass		1		ICPMS		1
5	12/5/2024 11:15:08	CalStd	STANDARD 1	101	004CALS.d	Pass		1		ICPMS		2
6	12/5/2024 11:17:48	CalStd	STANDARD 2	102	005CALS.d	Pass		1		ICPMS		3
7	12/5/2024 11:20:31	CalStd	STANDARD 3	103	006CALS.d	Pass		1		ICPMS		4

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
1													
2													
3			100	1	1	100							
4													
5													
6													
7													

#	QC Failed Criteria	QC Failed Elements
1		
2		
3		
4		
5		
6		
7		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
8	12/5/2024 11:23:10	CalStd	STANDARD 4	104	007CALS.d	Pass		1		ICPMS		5
9	12/5/2024 11:25:51	CalStd	STANDARD 5	5	008CALS.d	Pass		1		ICPMS		6
10	12/5/2024 11:28:32	CalStd	STANDARD 6	106	009CALS.d	Pass		1		ICPMS		7
11	12/5/2024 11:31:13	CalStd	STANDARD 7	107	010CALS.d	Pass		1		ICPMS		8
12	12/5/2024 11:33:54	Sample	Wash	6	011SMPL.d	Pass		1		ICPMS		
13	12/5/2024 11:36:16	<Pause>				Pass				ICPMS		
14	12/5/2024 11:40:11	CalStd	STANDARD 3	103	012CALS.d	Pass		1		ICPMS		4
15	12/5/2024 11:42:54	Sample	Wash	6	013SMPL.d	Pass		1		ICPMS		
16	12/5/2024 11:45:16	<Pause>				Pass				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
8													
9													
10													
11													
12													
13													
14													
15													
16													

#	QC Failed Criteria	QC Failed Elements
8		
9		
10		
11		
12		
13		
14		
15		
16		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
17	12/5/2024 11:51:01	ICB	ICB	1	014_ICB.d	Pass		1		ICPMS		
18	12/5/2024 11:53:44	ICV	ICV	111	015_ICV.d	Fail	QC check failed.	1		ICPMS		
19	12/5/2024 11:56:22	Sample	Wash	6	016SMPL.d	Pass		1		ICPMS		
20	12/5/2024 11:59:04	ICSA	ICSA	112	017ICSA.d	Fail	QC check failed.	1		ICPMS		
21	12/5/2024 11:58:45	Sample	LDR	110		Skip				ICPMS		
22	12/5/2024 12:01:45	Sample	Wash	6	018SMPL.d	Pass		1		ICPMS		
23	12/5/2024 12:04:07	<Pause>				Pass				ICPMS		
24	12/5/2024 12:10:46	Sample	2411526-001A	401	019SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
17													
18													
19													
20													
21													
22													
23													
24													

#	QC Failed Criteria	QC Failed Elements
17		
18	Main Error1 Criteria1	He:[Pb]
19		
20	Main Error1 Criteria1	He:Cd
21		
22		
23		
24	ISTD Criteria1	No Gas:Li

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
25	12/5/2024 12:13:31	Sample	2411527-001A	402	020SMPL.d	Fail	QC check failed.	1		ICPMS		
26	12/5/2024 12:16:12	Sample	2411528-001A	403	021SMPL.d	Fail	QC check failed.	1		ICPMS		
27	12/5/2024 12:18:53	Sample	WASH	6	022SMPL.d	Fail	QC check failed.	1		ICPMS		
28	12/5/2024 12:21:32	CCV	CCV	5	023_CCV.d	Fail	QC check failed.	1		ICPMS		
29	12/5/2024 12:24:14	CCB	CCB	1	024_CCB.d	Pass		1		ICPMS		
30	12/5/2024 12:26:36	<Pause>				Pass				ICPMS		
31	12/5/2024 12:41:55	Sample	2412029-001A	404	025SMPL.d	Pass		1		ICPMS		
32	12/5/2024 12:44:38	Sample	2412039-001B	405	026SMPL.d	Pass		1		ICPMS		
33	12/5/2024 12:47:22	Sample	WASH	6	027SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
25			2										
26													
27													
28													
29													
30													
31			1000										
32			100										
33													

#	QC Failed Criteria	QC Failed Elements
25	ISTD Criteria1	No Gas:Li
26	ISTD Criteria1	No Gas:Li
27	ISTD Criteria1	No Gas:Li
28	ISTD Criteria1	No Gas:Li
29		
30		
31		

Batch Log

#	QC Failed Criteria	QC Failed Elements
32		
33		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
34	12/5/2024 12:49:45	<Pause>				Pass				ICPMS		
35	12/5/2024 12:57:04	Sample	MB-46040	406	028SMPL.d	Pass		1		ICPMS		
36	12/5/2024 12:59:48	LCS	LCS-46040	407	029_LCS.d	Fail	QC check failed.	1		ICPMS		
37	12/5/2024 13:02:28	Sample	2411524-001D	408	030SMPL.d	Pass		1		ICPMS		
38	12/5/2024 13:05:09	Sample	2411524-001DMS	409	031SMPL.d	Pass		1		ICPMS		
39	12/5/2024 13:07:49	Sample	2411524-001DMSD	410	032SMPL.d	Fail	QC check failed.	1		ICPMS		
40	12/5/2024 13:10:30	Sample	2411524-001DMSDIL	409	033SMPL.d	Pass		1		ICPMS		
42	12/5/2024 13:12:55	CCV	CCV	5		Skip				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
34													
35													
36													
37													
38													
39													
40			5	1	1	5							
42													

#	QC Failed Criteria	QC Failed Elements
34		
35		
36	Main Error1 Criteria1	No Gas:Be
37		
38		
39	Main Error1 Criteria1	He:Ca
40		
42		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
41	12/5/2024 13:13:13	Sample	2411524-001DPDS	411	034SMPL.d	Pass		1		ICPMS		
43	12/5/2024 13:12:55	CCB	CCB	1		Skip				ICPMS		
44	12/5/2024 13:15:53	CCV	CCV	5	035_CCV.d	Fail	QC check failed.	1		ICPMS		
45	12/5/2024 13:18:34	CCB	CCB	1	036_CCB.d	Pass		1		ICPMS		
46	12/5/2024 13:21:18	Sample	2411524-002D	412	037SMPL.d	Pass		1		ICPMS		
47	12/5/2024 13:23:59	Sample	2411524-003D	413	038SMPL.d	Fail	QC check failed.	1		ICPMS		
48	12/5/2024 13:26:40	Sample	2411524-004D	414	039SMPL.d	Fail	QC check failed.	1		ICPMS		
49	12/5/2024 13:29:19	Sample	2411524-005D	415	040SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
41													
43													
44													
45													
46													
47													
48													
49													

#	QC Failed Criteria	QC Failed Elements
41		
43		
44	Main Error1 Criteria1	No Gas:Be
45		
46		
47	Main Error1 Criteria1	He:Ca
48	Main Error1 Criteria1	He:Ca
49	Main Error1 Criteria1	He:Ca

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
50	12/5/2024 13:32:01	Sample	2411524-006D	416	041SMPL.d	Fail	QC check failed.	1		ICPMS		
51	12/5/2024 13:34:45	Sample	2411524-007D	417	042SMPL.d	Fail	QC check failed.	1		ICPMS		
52	12/5/2024 13:37:27	Sample	2411524-008D	418	043SMPL.d	Fail	QC check failed.	1		ICPMS		
53	12/5/2024 13:40:08	Sample	2411524-009D	419	044SMPL.d	Fail	QC check failed.	1		ICPMS		
54	12/5/2024 13:42:52	Sample	2411524-010D	420	045SMPL.d	Fail	QC check failed.	1		ICPMS		
55	12/5/2024 13:45:35	Sample	2411524-011D	421	046SMPL.d	Fail	QC check failed.	1		ICPMS		
56	12/5/2024 13:45:20	CCV	CCV	5		Skip				ICPMS		
57	12/5/2024 13:45:20	CCB	CCB	1		Skip				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
50													
51													
52													
53													
54													
55													
56													
57													

#	QC Failed Criteria	QC Failed Elements
50	Main Error1 Criteria1	He:Ca,Na
51	Main Error1 Criteria1	He:Ca,Na
52	Main Error1 Criteria1	He:Fe,Ca
53	Main Error1 Criteria1	He:Ca
54	Main Error1 Criteria1	He:Fe,Na,Mn
55	Main Error1 Criteria1	He:Ca,Na
56		
57		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
58	12/5/2024 13:48:19	CCV	CCV	5	047_CCV.d	Pass		1		ICPMS		
59	12/5/2024 13:51:02	CCB	CCB	1	048_CCB.d	Pass		1		ICPMS		
60	12/5/2024 13:53:45	Sample	2411524-012D	422	049SMPL.d	Fail	QC check failed.	1		ICPMS		
61	12/5/2024 13:56:29	Sample	2411560-001D	423	050SMPL.d	Fail	QC check failed.	1		ICPMS		
62	12/5/2024 13:59:10	Sample	2411560-002D	424	051SMPL.d	Fail	QC check failed.	1		ICPMS		
63	12/5/2024 14:01:52	Sample	2411560-003D	425	052SMPL.d	Fail	QC check failed.	1		ICPMS		
64	12/5/2024 14:04:34	Sample	2411560-004D	426	053SMPL.d	Fail	QC check failed.	1		ICPMS		
65	12/5/2024 14:07:16	Sample	WASH	6	054SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
58													
59													
60													
61													
62													
63													
64													
65													

#	QC Failed Criteria	QC Failed Elements
58		
59		
60	Main Error1 Criteria1	He:K
61	Main Error1 Criteria1	He:Ca,Na,Mg,K
62	Main Error1 Criteria1	He:Ca,Na,Mg
63	Main Error1 Criteria1	He:Ca,Na,Mg
64	Main Error1 Criteria1	He:Ca,Na,Mg,K
65		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
66	12/5/2024 14:09:58	Sample	WASH	6	055SMPL.d	Pass		1		ICPMS		
67	12/5/2024 14:12:40	Sample	MB-46042	427	056SMPL.d	Fail	QC check failed.	1		ICPMS		
68	12/5/2024 14:15:23	LCS	LCS-46042	428	057_LCS.d	Fail	QC check failed.	1		ICPMS		
69	12/5/2024 14:18:05	Sample	2411524-001C	429	058SMPL.d	Fail	QC check failed.	1		ICPMS		
70	12/5/2024 14:17:50	CCV	CCV	5		Skip				ICPMS		
71	12/5/2024 14:17:50	CCB	CCB	1		Skip				ICPMS		
72	12/5/2024 14:20:48	CCV	CCV	5	059_CCV.d	Pass		1		ICPMS		
73	12/5/2024 14:23:31	CCB	CCB	1	060_CCB.d	Pass		1		ICPMS		
74	12/5/2024 14:25:59	<Pause>				Pass				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
66													
67													
68													
69													
70													
71													
72													
73													
74													

#	QC Failed Criteria	QC Failed Elements
66		
67	ISTD Criteria1	No Gas:Li
68	ISTD Criteria1	No Gas:Li
69	ISTD Criteria1	No Gas:Li
70		
71		
72		
73		

Batch Log

#	QC Failed Criteria	QC Failed Elements
74		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
75	12/5/2024 14:29:12	LCS	LCS-46042	428	061_LCS.d	Fail	QC check failed.	1		ICPMS		
76	12/5/2024 14:31:56	Sample	2411524-001CDUP	430	062SMPL.d	Pass		1		ICPMS		
77	12/5/2024 14:34:40	Sample	2411524-001CMS	431	063SMPL.d	Fail	QC check failed.	1		ICPMS		
78	12/5/2024 14:37:22	Sample	2411524-001CMSD	432	064SMPL.d	Fail	QC check failed.	1		ICPMS		
79	12/5/2024 14:40:06	Sample	2411524-001CMSDIL	431	065SMPL.d	Pass		1		ICPMS		
80	12/5/2024 14:42:51	Sample	2411524-002C	433	066SMPL.d	Fail	QC check failed.	1		ICPMS		
81	12/5/2024 14:45:34	Sample	2411524-003C	434	067SMPL.d	Fail	QC check failed.	1		ICPMS		
82	12/5/2024 14:48:17	Sample	2411524-004C	435	068SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
75													
76													
77													
78													
79			5	1	1	5							
80													
81													
82													

#	QC Failed Criteria	QC Failed Elements
75	Main Error1 Criteria1	He:Na,Hg
76		
77	Main Error1 Criteria1	He:Ca
78	Main Error1 Criteria1	He:Ca
79		
80	Main Error1 Criteria1	He:Ca
81	Main Error1 Criteria1	He:Ca
82	Main Error1 Criteria1	He:Ca

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
83	12/5/2024 14:51:00	Sample	2411524-005C	436	069SMPL.d	Fail	QC check failed.	1		ICPMS		
84	12/5/2024 14:53:44	Sample	2411524-006C	437	070SMPL.d	Fail	QC check failed.	1		ICPMS		
85	12/5/2024 14:53:29	CCV	CCV	5		Skip				ICPMS		
86	12/5/2024 14:53:29	CCB	CCB	1		Skip				ICPMS		
87	12/5/2024 14:56:28	CCV	CCV	5	071_CCV.d	Pass		1		ICPMS		
88	12/5/2024 14:59:11	CCB	CCB	1	072_CCB.d	Pass		1		ICPMS		
89	12/5/2024 15:01:54	Sample	2411524-007C	438	073SMPL.d	Fail	QC check failed.	1		ICPMS		
90	12/5/2024 15:04:37	Sample	2411524-008C	439	074SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
83													
84													
85													
86													
87													
88													
89													
90													

#	QC Failed Criteria	QC Failed Elements
83	Main Error1 Criteria1	He:Ca
84	Main Error1 Criteria1	He:Ca,Na
85		
86		
87		
88		
89	Main Error1 Criteria1	He:Ca,Na
90	Main Error1 Criteria1	He:Fe,Ca

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
91	12/5/2024 15:07:22	Sample	2411524-009C	440	075SMPL.d	Fail	QC check failed.	1		ICPMS		
92	12/5/2024 15:10:05	Sample	2411524-010C	441	076SMPL.d	Fail	QC check failed.	1		ICPMS		
93	12/5/2024 15:12:51	Sample	2411524-011C	442	077SMPL.d	Fail	QC check failed.	1		ICPMS		
94	12/5/2024 15:15:35	Sample	2411524-012C	443	078SMPL.d	Fail	QC check failed.	1		ICPMS		
95	12/5/2024 15:18:19	Sample	2411560-001E	444	079SMPL.d	Fail		1		ICPMS		
96	12/5/2024 15:21:03	Sample	2411560-002E	445	080SMPL.d	Fail	QC check failed.	1		ICPMS		
97	12/5/2024 15:23:46	Sample	2411560-003E	446	081SMPL.d	Fail	QC check failed.	1		ICPMS		
99	12/5/2024 15:26:14	CCV	CCV	5		Skip				ICPMS		
100	12/5/2024 15:26:14	CCB	CCB	1		Skip				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
91													
92													
93													
94													
95													
96													
97													
99													
100													

#	QC Failed Criteria	QC Failed Elements
91	ISTD Criteria1	No Gas:Li
92	ISTD Criteria1	No Gas:Li
93	ISTD Criteria1	No Gas:Li
94	ISTD Criteria1	No Gas:Li
95		
96	ISTD Criteria1	No Gas:Li

Batch Log

#	QC Failed Criteria	QC Failed Elements
97	ISTD Criteria1	No Gas:Li
99		
100		

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
98	12/5/2024 15:26:29	Sample	2411560-004E	447	082SMPL.d	Fail	QC check failed.	1		ICPMS		
101	12/5/2024 15:29:15	CCV	CCV	5	083_CCV.d	Fail	QC check failed.	1		ICPMS		
102	12/5/2024 15:32:01	CCB	CCB	1	084_CCB.d	Fail	QC check failed.	1		ICPMS		
103	12/5/2024 15:34:46	Sample	2411524-001CMS	448	085SMPL.d	Fail	QC check failed.	1		ICPMS		
104	12/5/2024 15:37:31	Sample	2411524-001CMSD	449	086SMPL.d	Fail	QC check failed.	1		ICPMS		
105	12/5/2024 15:40:16	Sample	LDR	110	087SMPL.d	Fail	QC check failed.	1		ICPMS		
106	12/5/2024 15:43:01	Sample	TRURINSE	160	088SMPL.d	Fail	QC check failed.	1		ICPMS		
107	12/5/2024 15:45:46	Sample	WASH	6	089SMPL.d	Fail	QC check failed.	1		ICPMS		
108	12/5/2024 15:48:16	<Pause>				Pass				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
98													
101													
102													
103													
104													
105													
106													
107													
108													

#	QC Failed Criteria	QC Failed Elements
98	ISTD Criteria1	No Gas:Li
101	ISTD Criteria1	No Gas:Li

Batch Log

#	QC Failed Criteria	QC Failed Elements
102	ISTD Criteria1	No Gas:Li
103	ISTD Criteria1	No Gas:Li
104	ISTD Criteria1	No Gas:Li
105	ISTD Criteria1	No Gas:Li
106	ISTD Criteria1	No Gas:Li
107	ISTD Criteria1	No Gas:Li
108		

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
109	12/5/2024 15:52:25	Sample	2412039-001B	450	090SMPL.d	Fail	QC check failed.	1		ICPMS		
110	12/5/2024 15:55:11	Sample	WASH	6	091SMPL.d	Fail	QC check failed.	1		ICPMS		
111	12/5/2024 15:57:55	CCV	CCV	5	092_CCV.d	Fail	QC check failed.	1		ICPMS		
112	12/5/2024 16:00:42	CCB	CCB	1	093_CCB.d	Fail	QC check failed.	1		ICPMS		
113	12/5/2024 16:03:13	<Pause>				Pass				ICPMS		
114	12/5/2024 16:03:42	Sample	MB	401	094SMPL.d	Fail		1		ICPMS		
115	12/5/2024 16:06:29	Sample	MB	201	095SMPL.d	Fail	QC check failed.	1		ICPMS		
116	12/5/2024 16:09:15	LCS	LCS	202	096_LCS.d	Fail	QC check failed.	1		ICPMS		
117	12/5/2024 16:12:01	Sample	PARENT	203	097SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
109			10										
110													
111													
112													
113													
114													
115													
116													

Batch Log

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
117													

#	QC Failed Criteria	QC Failed Elements
109	ISTD Criteria1	No Gas:Li
110	ISTD Criteria1	No Gas:Li
111	ISTD Criteria1	No Gas:Li
112	ISTD Criteria1	No Gas:Li
113		
114		
115	ISTD Criteria1	No Gas:Li
116	ISTD Criteria1	No Gas:Li
117	ISTD Criteria1	No Gas:Li

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
118	12/5/2024 16:14:45	Sample	MS	204	098SMPL.d	Fail	QC check failed.	1		ICPMS		
119	12/5/2024 16:17:30	Sample	MSD	205	099SMPL.d	Fail	QC check failed.	1		ICPMS		
120	12/5/2024 16:20:15	Sample	MS DIL	204	100SMPL.d	Fail		1		ICPMS		
121	12/5/2024 16:23:03	Sample	2412031-001APDS	206	101SMPL.d	Fail	QC check failed.	1		ICPMS		
122	12/5/2024 16:25:50	Sample	2412031-002A	207	102SMPL.d	Fail	QC check failed.	1		ICPMS		
123	12/5/2024 16:28:38	Sample	2412031-003A	208	103SMPL.d	Fail	QC check failed.	1		ICPMS		
124	12/5/2024 16:28:22	CCV	CCV	5		Skip				ICPMS		
125	12/5/2024 16:28:22	CCB	CCB	1		Skip				ICPMS		
126	12/5/2024 16:31:24	CCV	CCV	5	104_CCV.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
118													
119													

Batch Log

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
120			5	1	1	5							
121											Sample	Sample	Sample
122													
123													
124													
125													
126													

#	QC Failed Criteria	QC Failed Elements
118	ISTD Criteria1	No Gas:Li
119	ISTD Criteria1	No Gas:Li
120		
121	ISTD Criteria1	No Gas:Li
122	ISTD Criteria1	No Gas:Li
123	ISTD Criteria1	No Gas:Li
124		
125		
126	ISTD Criteria1	No Gas:Li

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
127	12/5/2024 16:34:09	CCB	CCB	1	105_CCB.d	Fail	QC check failed.	1		ICPMS		
128	12/5/2024 16:36:55	Sample	2412062-001A	209	106SMPL.d	Fail		1		ICPMS		
129	12/5/2024 16:39:42	Sample	WASH	6	107SMPL.d	Fail	QC check failed.	1		ICPMS		
130	12/5/2024 16:42:13	<Pause>				Pass				ICPMS		
131	12/5/2024 16:45:53	Sample	MB-46035	210	108SMPL.d	Fail	QC check failed.	1		ICPMS		
132	12/5/2024 16:48:40	LCS	LCS-46035	211	109_LCS.d	Fail	QC check failed.	1		ICPMS		
133	12/5/2024 16:51:25	Sample	2411567-010A	212	110SMPL.d	Fail		1		ICPMS		
134	12/5/2024 16:54:12	Sample	2411567-010AMS	213	111SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
127													
128													
129													
130													
131													
132													
133													
134													

#	QC Failed Criteria	QC Failed Elements
127	ISTD Criteria1	No Gas:Li
128		
129	ISTD Criteria1	No Gas:Li
130		
131	ISTD Criteria1	No Gas:Li
132	ISTD Criteria1	No Gas:Li
133		
134	Main Error1 Criteria1	He:Fe,Al,Ti

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
135	12/5/2024 16:56:58	Sample	2411567-010AMSD	214	112SMPL.d	Fail	QC check failed.	1		ICPMS		
136	12/5/2024 16:59:45	Sample	2411567-010AMSDIL	213	113SMPL.d	Pass		1		ICPMS		
137	12/5/2024 17:02:33	Sample	2411567-010APDS	215	114SMPL.d	Fail	QC check failed.	1		ICPMS		
138	12/5/2024 17:05:19	CCV	CCV	5	115_CCV.d	Pass		1		ICPMS		
139	12/5/2024 17:08:10	CCB	CCB	1	116_CCB.d	Pass		1		ICPMS		
140	12/5/2024 17:11:15	Sample	2412031-001A	216	117SMPL.d	Fail	QC check failed.	1		ICPMS		
141	12/5/2024 17:14:02	Sample	2412031-002A	217	118SMPL.d	Fail	QC check failed.	1		ICPMS		
142	12/5/2024 17:16:50	Sample	2412031-003A	218	119SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
135													
136			5	1	1	5							
137													
138													
139													
140													
141													
142													

#	QC Failed Criteria	QC Failed Elements
135	Main Error1 Criteria1	He:Fe,Al,Ti
136		
137	Main Error1 Criteria1	He:Fe,Al,Ti
138		
139		
140	ISTD Criteria1	No Gas:Sc He:Sc
141	ISTD Criteria1	No Gas:Sc
142	ISTD Criteria1	No Gas:Sc He:Sc

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
143	12/5/2024 17:19:37	Sample	2412073-001A	219	120SMPL.d	Fail	QC check failed.	1		ICPMS		
144	12/5/2024 17:22:26	Sample	2412088-001A	220	121SMPL.d	Fail	QC check failed.	1		ICPMS		
145	12/5/2024 17:24:57	<Pause>				Pass				ICPMS		
146	12/5/2024 17:25:59	CCV	CCV	5	122_CCV.d	Pass		1		ICPMS		
147	12/5/2024 17:28:46	CCB	CCB	1	123_CCB.d	Pass		1		ICPMS		
148	12/5/2024 17:31:18	<Pause>				Pass				ICPMS		
149	12/5/2024 17:48:59	Sample	2412062-001A	221	124SMPL.d	Pass		1		ICPMS		
150	12/5/2024 17:51:47	CCV	CCV	5	125_CCV.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
143													
144			50										
145													
146													
147													
148													
149													
150													

#	QC Failed Criteria	QC Failed Elements
143	Main Error1 Criteria1	He:Mn
144	Main Error1 Criteria1	He:Na
145		
146		
147		
148		
149		
150		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
151	12/5/2024 17:54:34	CCB	CCB	1	126_CCB.d	Pass		1		ICPMS		
152	12/5/2024 17:57:19	<Pause>				Pass				ICPMS		
153	12/5/2024 18:07:00	Sample	2411567-015A	222	127SMPL.d	Fail	QC check failed.	1		ICPMS		
154	12/5/2024 18:09:49	Sample	2411567-018A	223	128SMPL.d	Fail	QC check failed.	1		ICPMS		
155	12/5/2024 18:12:36	Sample	2411567-032A	224	129SMPL.d	Fail	QC check failed.	1		ICPMS		
156	12/5/2024 18:15:24	Sample	2412034-001A	225	130SMPL.d	Fail	QC check failed.	1		ICPMS		
157	12/5/2024 18:18:12	Sample	2412034-002A	226	131SMPL.d	Fail	QC check failed.	1		ICPMS		
158	12/5/2024 18:21:00	Sample	2412034-003A	227	132SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
151													
152													
153													
154													
155													
156													
157													
158													

#	QC Failed Criteria	QC Failed Elements
151		
152		
153	Main Error1 Criteria1	He:Fe,Al,Ti
154	Main Error1 Criteria1	He:Fe,Al,Ti
155	ISTD Criteria1	No Gas:Sc
156	ISTD Criteria1	No Gas:Sc
157	ISTD Criteria1	No Gas:Sc
158	Main Error1 Criteria1	He:Fe,Al,Ti

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
159	12/5/2024 18:23:48	Sample	2412034-004A	228	133SMPL.d	Fail	QC check failed.	1		ICPMS		
160	12/5/2024 18:26:35	Sample	2412034-005A	229	134SMPL.d	Fail	QC check failed.	1		ICPMS		
161	12/5/2024 18:29:25	Sample	2412034-006A	230	135SMPL.d	Fail	QC check failed.	1		ICPMS		
162	12/5/2024 18:32:13	Sample	2412040-001A	231	136SMPL.d	Fail	QC check failed.	1		ICPMS		
163	12/5/2024 18:31:58	CCV	CCV	5		Skip				ICPMS		
164	12/5/2024 18:31:58	CCB	CCB	1		Skip				ICPMS		
165	12/5/2024 18:35:02	CCV	CCV	5	137_CCV.d	Pass		1		ICPMS		
166	12/5/2024 18:37:49	CCB	CCB	1	138_CCB.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
159													
160													
161													
162													
163													
164													
165													
166													

#	QC Failed Criteria	QC Failed Elements
159	Main Error1 Criteria1	He:Fe,Al,Ti
160	ISTD Criteria1	No Gas:Sc
161	ISTD Criteria1	No Gas:Sc
162	Main Error1 Criteria1	He:Fe,Ca,Al,Ti
163		
164		
165		
166		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
167	12/5/2024 18:40:37	Sample	2412050-001A	232	139SMPL.d	Fail	QC check failed.	1		ICPMS		
168	12/5/2024 18:43:25	Sample	2412053-001A	233	140SMPL.d	Fail	QC check failed.	1		ICPMS		
169	12/5/2024 18:46:13	Sample	2411554-001A	234	141SMPL.d	Fail	QC check failed.	1		ICPMS		
170	12/5/2024 18:49:01	Sample	2411554-002A	235	142SMPL.d	Fail	QC check failed.	1		ICPMS		
171	12/5/2024 18:51:50	CCV	CCV	5	143_CCV.d	Fail	QC check failed.	1		ICPMS		
172	12/5/2024 18:54:38	CCB	CCB	1	144_CCB.d	Pass		1		ICPMS		
173	12/5/2024 18:57:26	Sample	MB-46048	236	145SMPL.d	Pass		1		ICPMS		
174	12/5/2024 19:00:14	LCS	LCS-46048	237	146_LCS.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
167													
168													
169													
170													
171													
172													
173													
174													

#	QC Failed Criteria	QC Failed Elements
167	ISTD Criteria1	No Gas:Li,Sc
168	Main Error1 Criteria1	He:Zn
169	Main Error1 Criteria1	He:Fe,Al
170	Main Error1 Criteria1	He:Fe,Al,Ti
171	ISTD Criteria1	No Gas:Li
172		
173		

Batch Log

#	QC Failed Criteria	QC Failed Elements
174	Main Error1 Criteria1	No Gas:B He:Fe,Ca,Na, Mg,K,Cr,Co,Ni, Cu,Al,P

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
175	12/5/2024 19:03:03	Sample	2411554-003A	238	147SMPL.d	Fail	QC check failed.	1		ICPMS		
176	12/5/2024 19:05:53	Sample	2411554-003AMS	239	148SMPL.d	Fail	QC check failed.	1		ICPMS		
177	12/5/2024 19:08:42	Sample	2411554-003AMSD	240	149SMPL.d	Fail	QC check failed.	1		ICPMS		
178	12/5/2024 19:11:31	Sample	2411554-003AMSDIL	239	150SMPL.d	Fail	QC check failed.	1		ICPMS		
179	12/5/2024 19:14:23	Sample	2411554-003APDS	241	151SMPL.d	Fail	QC check failed.	1		ICPMS		
180	12/5/2024 19:17:12	Sample	2411554-004A	242	152SMPL.d	Fail	QC check failed.	1		ICPMS		
181	12/5/2024 19:20:01	Sample	2411554-005A	243	153SMPL.d	Fail	QC check failed.	1		ICPMS		
183	12/5/2024 19:22:35	CCV	CCV	5		Skip				ICPMS		
184	12/5/2024 19:22:35	CCB	CCB	1		Skip				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
175													
176													
177													
178			5	1	1	5							
179													
180													
181													
183													
184													

#	QC Failed Criteria	QC Failed Elements
175	ISTD Criteria1	No Gas:Li
176	ISTD Criteria1	No Gas:Li

Batch Log

#	QC Failed Criteria	QC Failed Elements
177	ISTD Criteria1	No Gas:Li,Sc
178	ISTD Criteria1	No Gas:Li
179	ISTD Criteria1	No Gas:Li
180	ISTD Criteria1	No Gas:Li
181	ISTD Criteria1	No Gas:Li,Sc
183		
184		

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
182	12/5/2024 19:22:50	Sample	2411554-006A	244	154SMPL.d	Fail	QC check failed.	1		ICPMS		
185	12/5/2024 19:25:40	CCV	CCV	5	155_CCV.d	Fail	QC check failed.	1		ICPMS		
186	12/5/2024 19:28:29	CCB	CCB	1	156_CCB.d	Fail	QC check failed.	1		ICPMS		
187	12/5/2024 19:31:18	Sample	2411554-007A	245	157SMPL.d	Fail	QC check failed.	1		ICPMS		
188	12/5/2024 19:34:08	Sample	2411554-008A	246	158SMPL.d	Fail	QC check failed.	1		ICPMS		
189	12/5/2024 19:36:58	Sample	2411554-009A	247	159SMPL.d	Fail	QC check failed.	1		ICPMS		
190	12/5/2024 19:39:47	Sample	2411554-010A	248	160SMPL.d	Fail	QC check failed.	1		ICPMS		
191	12/5/2024 19:42:38	Sample	2411554-011A	249	161SMPL.d	Fail	QC check failed.	1		ICPMS		
192	12/5/2024 19:45:28	Sample	2411554-012A	250	162SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
182													
185													
186													
187													
188													
189													
190													
191													
192													

Batch Log

#	QC Failed Criteria	QC Failed Elements
182	ISTD Criteria1	No Gas:Li
185	ISTD Criteria1	No Gas:Li
186	ISTD Criteria1	No Gas:Li
187	ISTD Criteria1	No Gas:Li
188	ISTD Criteria1	No Gas:Li
189	ISTD Criteria1	No Gas:Li
190	ISTD Criteria1	No Gas:Li,Sc
191	ISTD Criteria1	No Gas:Li,Sc
192	ISTD Criteria1	No Gas:Li

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
193	12/5/2024 19:48:18	Sample	2411554-013A	251	163SMPL.d	Fail	QC check failed.	1		ICPMS		
194	12/5/2024 19:51:08	Sample	2411554-014A	252	164SMPL.d	Fail	QC check failed.	1		ICPMS		
195	12/5/2024 19:53:58	Sample	2411554-015A	253	165SMPL.d	Fail	QC check failed.	1		ICPMS		
196	12/5/2024 19:56:48	Sample	2411554-016A	254	166SMPL.d	Fail	QC check failed.	1		ICPMS		
197	12/5/2024 19:56:33	CCV	CCV	5		Skip				ICPMS		
198	12/5/2024 19:56:33	CCB	CCB	1		Skip				ICPMS		
199	12/5/2024 19:59:39	CCV	CCV	5	167_CCV.d	Fail	QC check failed.	1		ICPMS		
200	12/5/2024 20:02:28	CCB	CCB	1	168_CCB.d	Fail	QC check failed.	1		ICPMS		
201	12/5/2024 20:05:18	Sample	2411554-017A	255	169SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
193													
194													
195													

Batch Log

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
196													
197													
198													
199													
200													
201													

#	QC Failed Criteria	QC Failed Elements
193	ISTD Criteria1	No Gas:Li
194	ISTD Criteria1	No Gas:Li
195	ISTD Criteria1	No Gas:Li
196	ISTD Criteria1	No Gas:Li
197		
198		
199	ISTD Criteria1	No Gas:Li
200	ISTD Criteria1	No Gas:Li
201	ISTD Criteria1	No Gas:Li

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
202	12/5/2024 20:08:09	Sample	2412064-001A	256	170SMPL.d	Fail	QC check failed.	1		ICPMS		
203	12/5/2024 20:10:59	CCV	CCV	5	171_CCV.d	Fail	QC check failed.	1		ICPMS		
204	12/5/2024 20:13:50	CCB	CCB	1	172_CCB.d	Fail	QC check failed.	1		ICPMS		
205	12/5/2024 20:16:39	Sample	MB-46007	301	173SMPL.d	Fail	QC check failed.	1		ICPMS		
206	12/5/2024 20:19:29	LCS	LCS-46007	302	174_LCS.d	Fail	QC check failed.	1		ICPMS		
207	12/5/2024 20:22:20	Sample	2411553-013A	303	175SMPL.d	Fail	QC check failed.	1		ICPMS		
208	12/5/2024 20:25:11	Sample	2411553-013AMS	304	176SMPL.d	Fail	QC check failed.	1		ICPMS		
209	12/5/2024 20:28:03	Sample	2411553-013AMSD	305	177SMPL.d	Fail	QC check failed.	1		ICPMS		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
210	12/5/2024 20:30:53	Sample	2411553-013AMSDIL	304	178SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
202													
203													
204													
205													
206													
207													
208													
209													
210			5	1	1	5							

#	QC Failed Criteria	QC Failed Elements
202	ISTD Criteria1	No Gas:Li
203	ISTD Criteria1	No Gas:Li
204	ISTD Criteria1	No Gas:Li
205	ISTD Criteria1	No Gas:Li
206	ISTD Criteria1	No Gas:Li
207	ISTD Criteria1	No Gas:Li,Sc
208	ISTD Criteria1	No Gas:Li,Sc
209	ISTD Criteria1	No Gas:Li,Sc
210	ISTD Criteria1	No Gas:Li

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
211	12/5/2024 20:33:46	Sample	2411553-013APDS	306	179SMPL.d	Fail	QC check failed.	1		ICPMS		
212	12/5/2024 20:36:37	Sample	2411516-001A	307	180SMPL.d	Fail	QC check failed.	1		ICPMS		
213	12/5/2024 20:39:28	Sample	TRURINSE W	160	181SMPL.d	Pass		1		ICPMS		
214	12/5/2024 20:42:19	Sample	WASH	6	182SMPL.d	Pass		1		ICPMS		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
215	12/5/2024 20:42:04	CCV	CCV	5		Skip				ICPMS		
216	12/5/2024 20:42:04	CCB	CCB	1		Skip				ICPMS		
217	12/5/2024 20:45:10	CCV	CCV	5	183_CCV.d	Fail	QC check failed.	1		ICPMS		
218	12/5/2024 20:48:00	CCB	CCB	1	184_CCB.d	Fail	QC check failed.	1		ICPMS		
219	12/5/2024 20:50:52	Sample	2411553-014A	308	185SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
211													
212													
213													
214													
215													
216													
217													
218													
219													

#	QC Failed Criteria	QC Failed Elements
211	ISTD Criteria1	No Gas:Li,Sc
212	ISTD Criteria1	No Gas:Li
213		
214		
215		
216		
217	ISTD Criteria1	No Gas:Li
218	ISTD Criteria1	No Gas:Li
219	ISTD Criteria1	No Gas:Li,Sc

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
220	12/5/2024 20:53:42	Sample	2411553-016A	309	186SMPL.d	Fail	QC check failed.	1		ICPMS		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
221	12/5/2024 20:56:33	Sample	2411553-017A	310	187SMPL.d	Fail	QC check failed.	1		ICPMS		
222	12/5/2024 20:59:27	Sample	2411553-019A	311	188SMPL.d	Fail	QC check failed.	1		ICPMS		
223	12/5/2024 21:02:18	Sample	2411553-020A	312	189SMPL.d	Fail	QC check failed.	1		ICPMS		
224	12/5/2024 21:05:09	Sample	2411553-021A	313	190SMPL.d	Fail	QC check failed.	1		ICPMS		
225	12/5/2024 21:08:02	Sample	2411553-022A	314	191SMPL.d	Fail	QC check failed.	1		ICPMS		
226	12/5/2024 21:10:54	Sample	2411553-024A	315	192SMPL.d	Fail	QC check failed.	1		ICPMS		
227	12/5/2024 21:13:46	Sample	TRURINSE W	160	193SMPL.d	Pass		1		ICPMS		
229	12/5/2024 21:16:24	CCV	CCV	5		Skip				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
220													
221													
222													
223													
224													
225													
226													
227													
229													

#	QC Failed Criteria	QC Failed Elements
220	ISTD Criteria1	No Gas:Li
221	ISTD Criteria1	No Gas:Li,Sc
222	ISTD Criteria1	No Gas:Li
223	ISTD Criteria1	No Gas:Li,Sc
224	ISTD Criteria1	No Gas:Li
225	ISTD Criteria1	No Gas:Li
226	ISTD Criteria1	No Gas:Li

Batch Log

#	QC Failed Criteria	QC Failed Elements
227		
229		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
228	12/5/2024 21:16:39	Sample	WASH	6	194SMPL.d	Pass		1		ICPMS		
230	12/5/2024 21:16:24	CCB	CCB	1		Skip				ICPMS		
231	12/5/2024 21:19:32	CCV	CCV	5	195_CCV.d	Pass		1		ICPMS		
232	12/5/2024 21:22:23	CCB	CCB	1	196_CCB.d	Pass		1		ICPMS		
233	12/5/2024 21:25:14	Sample	2411553-025A	316	197SMPL.d	Fail	QC check failed.	1		ICPMS		
234	12/5/2024 21:28:06	Sample	2411553-027A	317	198SMPL.d	Fail	QC check failed.	1		ICPMS		
235	12/5/2024 21:30:58	Sample	2411553-028A	318	199SMPL.d	Fail	QC check failed.	1		ICPMS		
236	12/5/2024 21:33:50	Sample	2411553-030A	319	200SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
228													
230													
231													
232													
233													
234													
235													
236													

#	QC Failed Criteria	QC Failed Elements
228		
230		
231		
232		
233	ISTD Criteria1	No Gas:Li
234	ISTD Criteria1	No Gas:Sc
235	ISTD Criteria1	No Gas:Sc
236	Main Error1 Criteria1	He:Fe,Al,Hg

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
237	12/5/2024 21:36:42	Sample	2411553-031A	320	201SMPL.d	Fail	QC check failed.	1		ICPMS		
238	12/5/2024 21:39:35	Sample	2411553-032A	321	202SMPL.d	Fail	QC check failed.	1		ICPMS		
239	12/5/2024 21:42:29	Sample	2411553-033A	322	203SMPL.d	Fail	QC check failed.	1		ICPMS		
240	12/5/2024 21:45:21	Sample	2411553-034A	323	204SMPL.d	Fail	QC check failed.	1		ICPMS		
241	12/5/2024 21:48:13	Sample	TRURINSE W	159	205SMPL.d	Pass		1		ICPMS		
242	12/5/2024 21:51:05	Sample	WASH	6	206SMPL.d	Pass		1		ICPMS		
243	12/5/2024 21:50:50	CCV	CCV	5		Skip				ICPMS		
244	12/5/2024 21:50:50	CCB	CCB	1		Skip				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
237													
238													
239													
240													
241													
242													
243													
244													

#	QC Failed Criteria	QC Failed Elements
237	Main Error1 Criteria1	He:Fe,Hg
238	Main Error1 Criteria1	He:Fe,Al
239	Main Error1 Criteria1	He:Fe,Hg
240	Main Error1 Criteria1	He:As,Al
241		
242		
243		
244		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
245	12/5/2024 21:53:58	CCV	CCV	5	207_CCV.d	Pass		1		ICPMS		
246	12/5/2024 21:56:51	CCB	CCB	1	208_CCB.d	Pass		1		ICPMS		
247	12/5/2024 21:59:43	Sample	2411553-035A	324	209SMPL.d	Fail	QC check failed.	1		ICPMS		
248	12/5/2024 22:02:37	Sample	TRURINSE W	159	210SMPL.d	Pass		1		ICPMS		
249	12/5/2024 22:05:29	Sample	WASH	6	211SMPL.d	Pass		1		ICPMS		
250	12/5/2024 22:08:23	CCV	CCV	5	212_CCV.d	Pass		1		ICPMS		
251	12/5/2024 22:11:15	CCB	CCB	1	213_CCB.d	Pass		1		ICPMS		
252	12/5/2024 22:14:09	Sample	WASH	6	214SMPL.d	Pass		1		ICPMS		
253	12/5/2024 22:17:02	Sample	WASH	6	215SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
245													
246													
247													
248													
249													
250													
251													
252													
253													

#	QC Failed Criteria	QC Failed Elements
245		
246		
247	Main Error1 Criteria1	He:Fe,Al,Hg
248		
249		
250		
251		
252		
253		

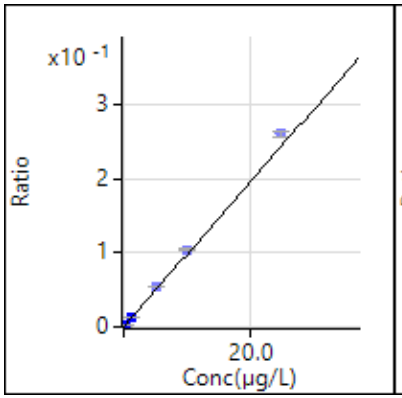
Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
254	12/5/2024 22:19:55	Sample	WASH	6	216SMPL.d	Pass		1		ICPMS		

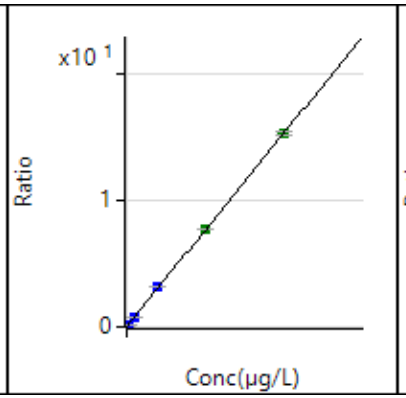
#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
254													

#	QC Failed Criteria	QC Failed Elements
254		

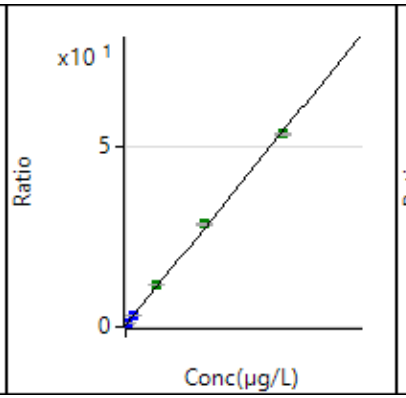
Calibration



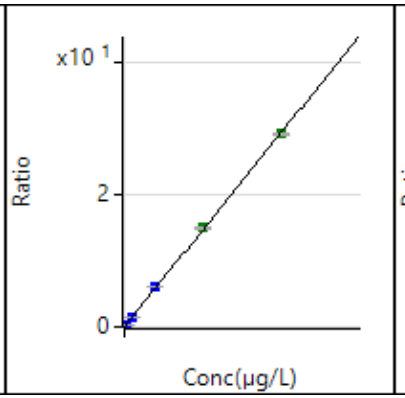
9 Be [No Gas]
ISTD: 6 Li
y = 9.684E-3 x + 4.448E-4
R 1.0000
DL 0.04147
BEC 0.04593



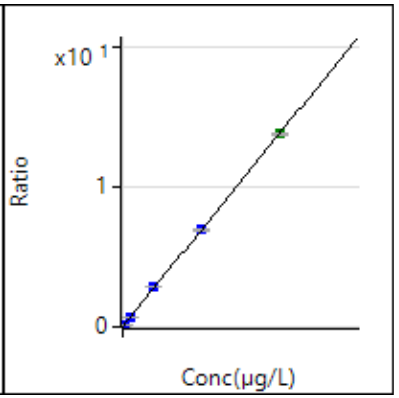
11 B [No Gas]
ISTD: 6 Li
y = 6.095E-3 x + 2.500E-2
R 1.0000
DL 0.06789
BEC 4.101



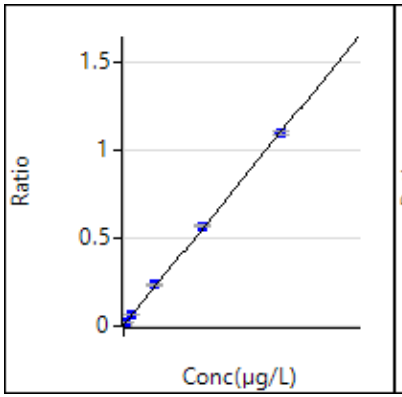
23 Na [He]
ISTD: 45 Sc
y = 1.077E-2 x + 5.025E-1
R 0.9997
DL 2.297
BEC 46.68



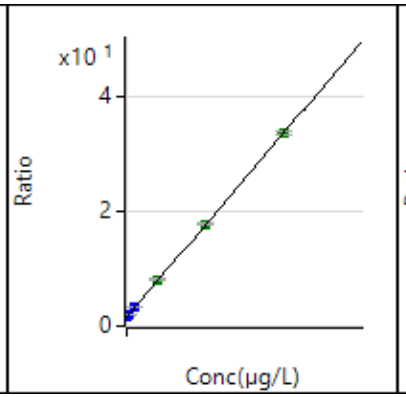
24 Mg [He]
ISTD: 45 Sc
y = 5.874E-3 x + 6.441E-3
R 0.9999
DL 0.2106
BEC 1.097



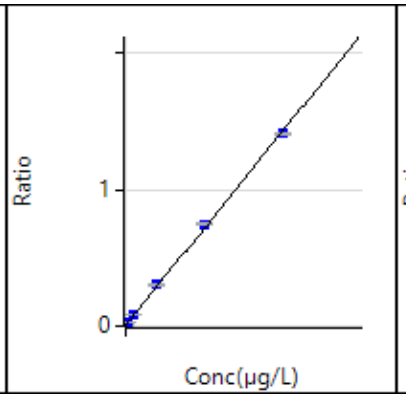
27 Al [He]
ISTD: 45 Sc
y = 2.773E-3 x + 4.299E-3
R 1.0000
DL 0.3916
BEC 1.55



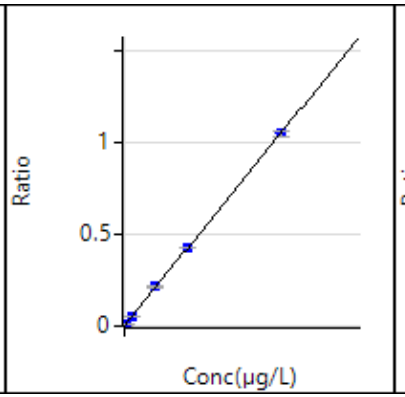
31 P [He]
ISTD: 45 Sc
y = 2.198E-4 x + 5.355E-3
R 0.9999
DL 6.301
BEC 24.36



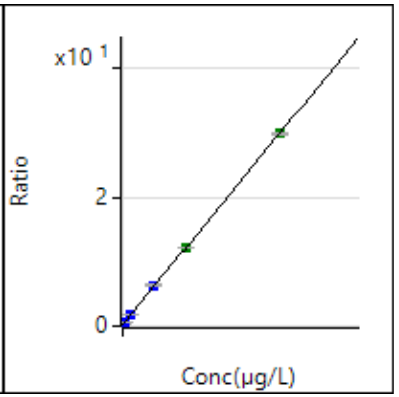
39 K [He]
ISTD: 45 Sc
y = 6.428E-3 x + 1.535E0
R 1.0000
DL 14.08
BEC 238.8



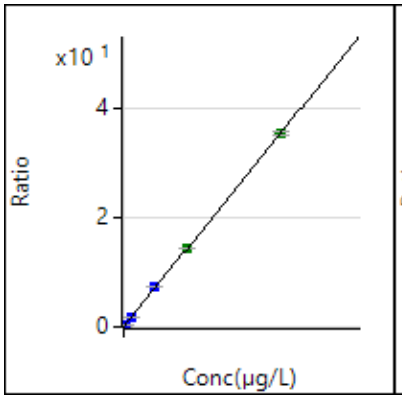
44 Ca [He]
ISTD: 45 Sc
y = 2.850E-4 x + 4.219E-3
R 0.9996
DL 2.643
BEC 14.81



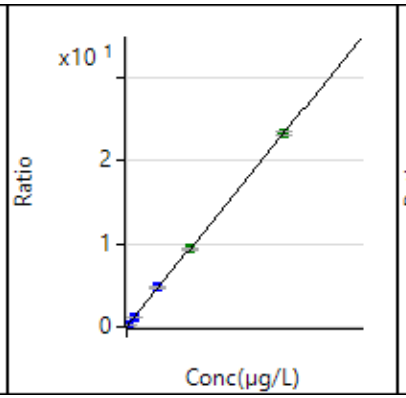
47 Ti [He]
ISTD: 45 Sc
y = 2.107E-3 x + 9.285E-5
R 1.0000
DL 0.09515
BEC 0.04408



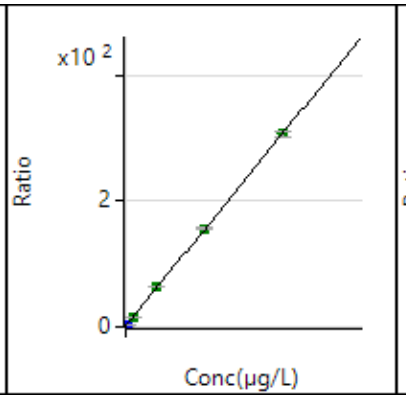
51 V [He]
ISTD: 45 Sc
y = 5.940E-2 x + 2.394E-1
R 1.0000
DL 0.3587
BEC 4.03



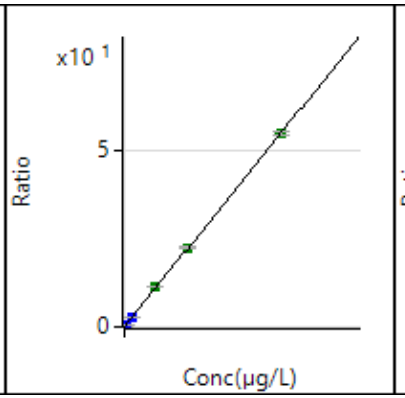
52 Cr [He]
ISTD: 45 Sc
y = 7.078E-2 x + 9.549E-3
R 0.9999
DL 0.005562
BEC 0.1349



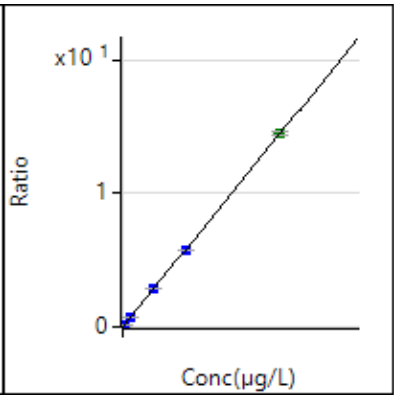
55 Mn [He]
ISTD: 45 Sc
y = 4.641E-2 x + 8.525E-3
R 1.0000
DL 0.008077
BEC 0.1837



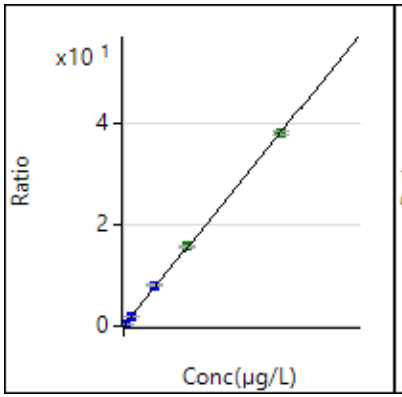
56 Fe [He]
ISTD: 45 Sc
y = 6.132E-2 x + 1.483E0
R 1.0000
DL 1.271
BEC 24.18



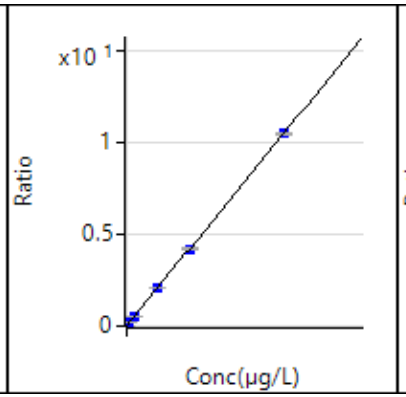
59 Co [He]
ISTD: 45 Sc
y = 1.095E-1 x + 1.368E-3
R 0.9999
DL 0.006174
BEC 0.01249



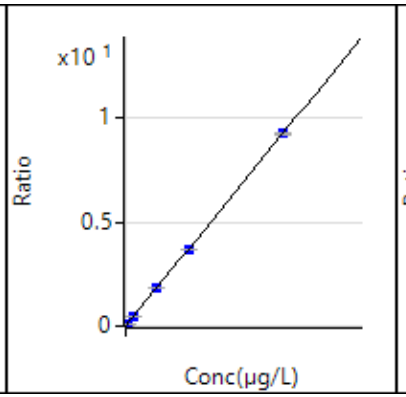
60 Ni [He]
ISTD: 45 Sc
y = 2.886E-2 x + 6.105E-4
R 1.0000
DL 0.006121
BEC 0.02115



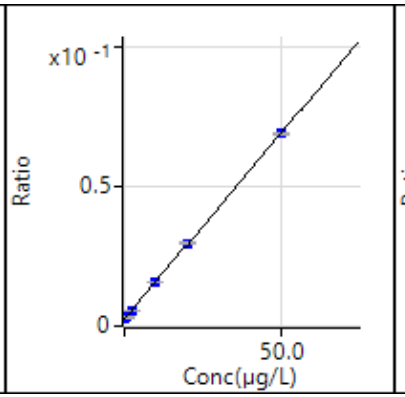
63 Cu [He]
ISTD: 45 Sc
y = 7.616E-2 x + 3.603E-2
R 0.9999
DL 0.01819
BEC 0.4731



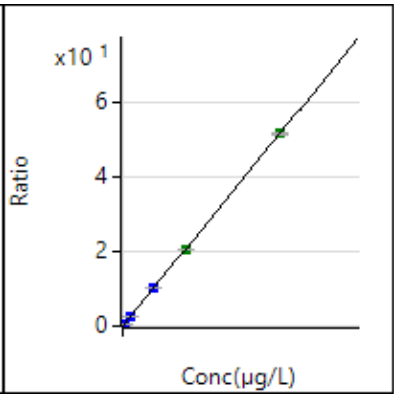
66 Zn [He]
ISTD: 72 Ge
y = 2.098E-2 x + 8.425E-3
R 1.0000
DL 0.07679
BEC 0.4015



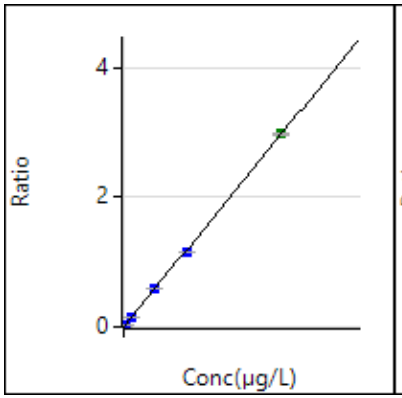
75 As [He]
ISTD: 72 Ge
y = 1.854E-2 x + 4.186E-3
R 1.0000
DL 0.03541
BEC 0.2258



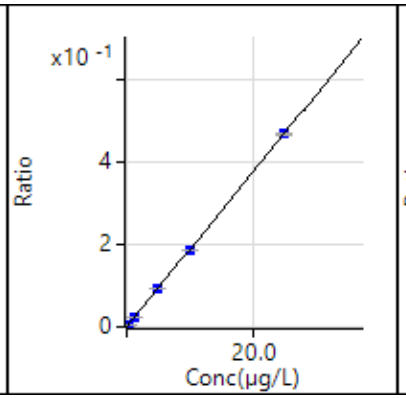
78 Se [He]
ISTD: 72 Ge
y = 1.331E-3 x + 2.507E-3
R 1.0000
DL 0.2687
BEC 1.883



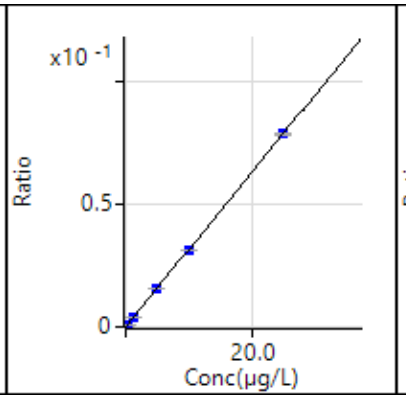
88 Sr [He]
ISTD: 72 Ge
y = 1.033E-1 x + 1.925E-3
R 1.0000
DL 0.006359
BEC 0.01864



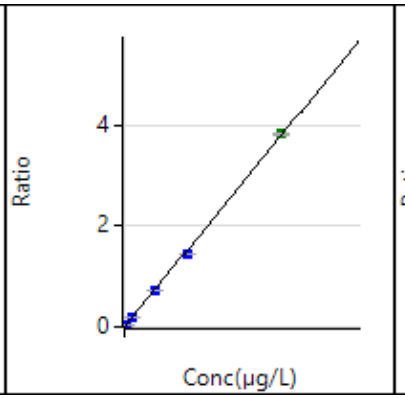
95 Mo [He]
ISTD: 115 In
y = 5.934E-3 x + 8.882E-5
R 0.9999
DL 0.01406
BEC 0.01497



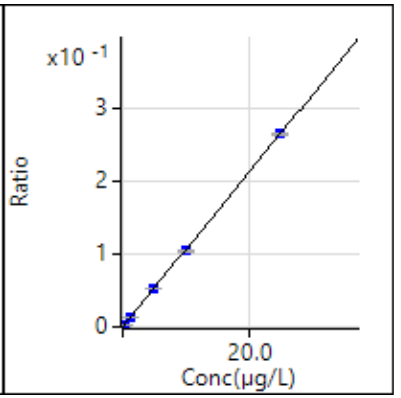
107 Ag [He]
ISTD: 115 In
y = 1.863E-2 x + 1.944E-4
R 1.0000
DL 0.001351
BEC 0.01044



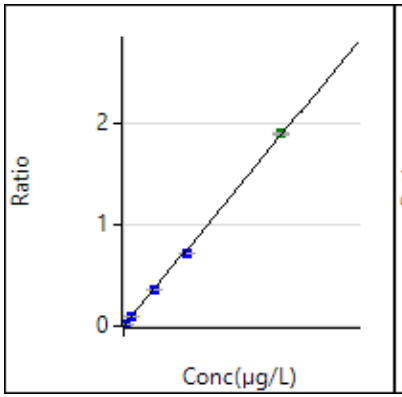
111 Cd [He]
ISTD: 115 In
y = 3.146E-3 x + 1.814E-6
R 1.0000
DL 0.0007714
BEC 0.0005767



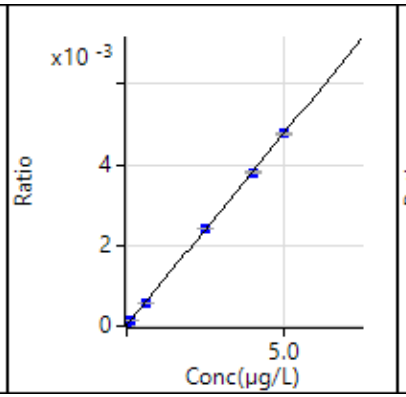
118 Sn [He]
ISTD: 115 In
y = 7.567E-3 x + 5.344E-4
R 0.9997
DL 0.04922
BEC 0.07062



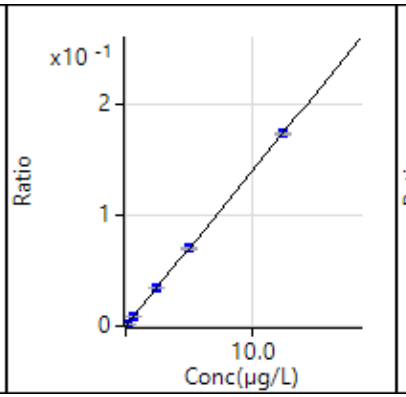
121 Sb [He]
ISTD: 115 In
y = 1.057E-2 x + 5.249E-5
R 1.0000
DL 0.002476
BEC 0.004966



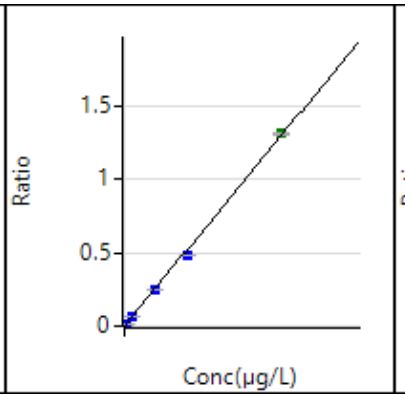
137 Ba [He]
ISTD: 115 In
y = 3.748E-3 x + 3.785E-5
R 0.9997
DL 0.01328
BEC 0.0101



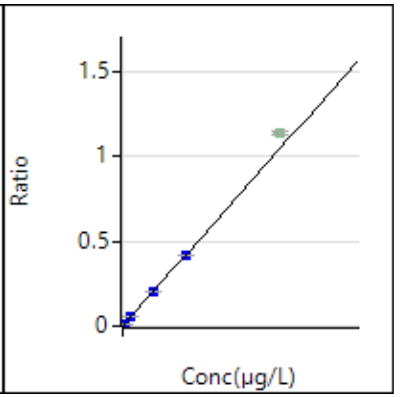
201 Hg [He]
ISTD: 159 Tb
y = 9.509E-4 x + 1.359E-5
R 1.0000
DL 0.002368
BEC 0.01429



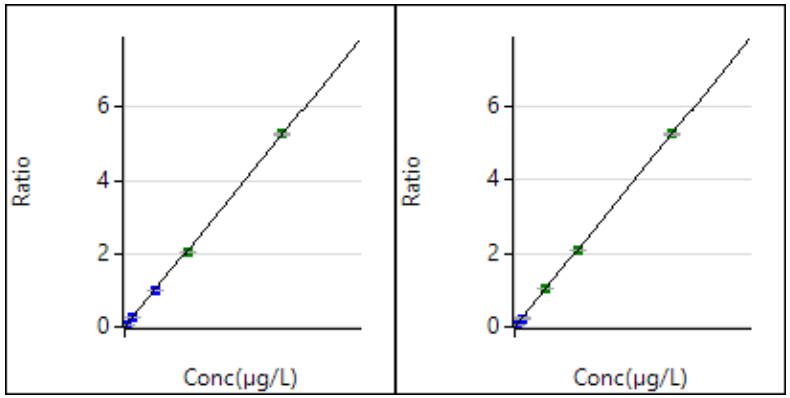
205 Tl [He]
ISTD: 159 Tb
y = 1.384E-2 x + 4.947E-6
R 1.0000
DL 0.0004673
BEC 0.0003574



206 [Pb] [He]
ISTD: 159 Tb
y = 5.174E-3 x + 1.895E-4
R 0.9995
DL 0.003893
BEC 0.03663



207 [Pb] [He]
ISTD: 159 Tb
y = 4.175E-3 x + 1.565E-4
R 0.9999
DL 0.004492
BEC 0.0375



208 Pb [He]		238 U [He]	
ISTD: 159 Tb		ISTD: 159 Tb	
y = 2.096E-2 x + 7.502E-4		y = 1.047E-2 x + 2.886E-5	
R	0.9999	R	1.0000
DL	0.003816	DL	0.002338
BEC	0.0358	BEC	0.002757

Tunes

US EPA Tune Check Report

Operator Name	ICPMS
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\241205ME .b
Acq. Date-Time	12/5/2024 11:04:26
Report Comment	---
Instrument Name	G8422A SG22151236

[No Gas]

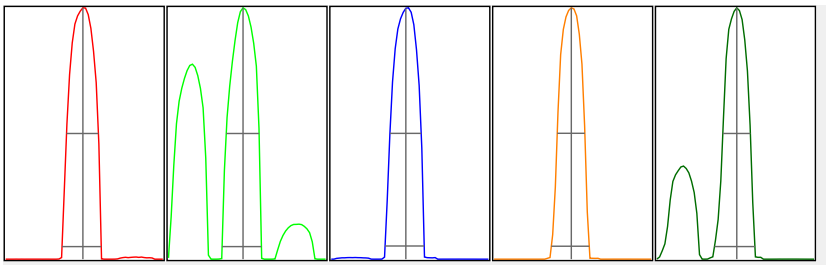
Sensitivity

Mass	Conc. [ug/L]	Count	CPS	Resp (Required) [cps/(ug/L)]	Resp (Flag)	RSD%	RSD% (Required)
9	10.00	13443	134428.39			2.890	5.000
24	10.00	58495	584951.40			2.538	5.000
59	10.00	195085	1950850.63			2.372	5.000
115	10.00	364032	3640316.79			2.343	5.000
208	10.00	210517	2105171.09			2.396	5.000

Mass	RSD% (Flag)
9	
24	
59	
115	
208	

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	13203.13	9.00	8.90 - 9.10	
24	59771.07	23.95	23.90 - 24.10	
59	196450.61	58.95	58.90 - 59.10	
115	363532.94	115.00	114.90 - 115.10	
208	210238.76	208.05	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.60	0.736	0.900	
24	0.62	0.739	0.900	
59	0.59	0.735	0.900	
115	0.52	0.712	0.900	

US EPA Tune Check Report

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
208	0.52	0.760	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	37.4
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.09 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.7 V	Deflect	13.0 V
Extract 2	-145.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-70 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	124	Axis Gain	0.9994	QP Bias	-3.0 V
Mass Offset	126	Axis Offset	0.05		

Hardware Settings

Torch

Torch H	0.2 mm	Torch V	0.6 mm

EM

Discriminator	3.1 mV	Analog HV	2167 V	Pulse HV	1681 V

[He]

Sensitivity

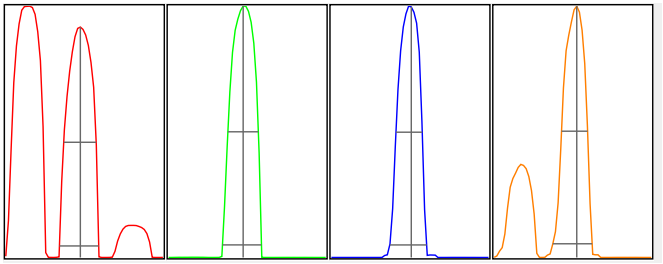
Mass	Conc. [ug/L]	Count	CPS	Resp (Required) [cps/(ug/L)]	Resp (Flag)	RSD%	RSD% (Required)
24	10.00	4837	48372.27			2.595	5.000
59	10.00	91026	910260.62			1.816	5.000
115	10.00	148509	1485091.55			2.047	5.000
208	10.00	134976	1349764.25			3.627	5.000

Mass	RSD% (Flag)
24	
59	
115	
208	

Integration Time [sec]	0.1

US EPA Tune Check Report

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
24	4936.50	23.95	23.90 - 24.10	
59	89802.28	58.95	58.90 - 59.10	
115	147106.27	115.05	114.90 - 115.10	
208	141016.75	208.10	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
24	0.61	0.738	0.900	
59	0.57	0.732	0.900	
115	0.49	0.693	0.900	
208	0.49	0.739	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	29.92
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.09 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.2 V	Deflect	0.0 V
Extract 2	-200.0 V	Cell Entrance	-40 V	Plate Bias	-55 V
Omega Bias	-95 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	3.0 V
He Flow	4.3 mL/min	OctP Bias	-18.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	124	Axis Gain	0.9994	QP Bias	-15.0 V
Mass Offset	126	Axis Offset	0.05		

Hardware Settings

Torch

Torch H	0.2 mm	Torch V	0.6 mm

EM

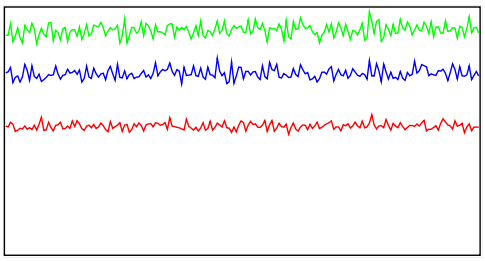
US EPA Tune Check Report

Discriminator	3.1 mV	Analog HV	2167 V	Pulse HV	1681 V

Performance Report

Operator Name	ICPMS
Acq. Date-Time	12/5/2024 07:45:15
Instrument Name	G8422A SG22151236
Sample Introduction	PeriPump
Nebulizer Type	MicroMist
Ion Lens Model	x-Lens
Tune Parameters	Standard Tune

Sensitivity



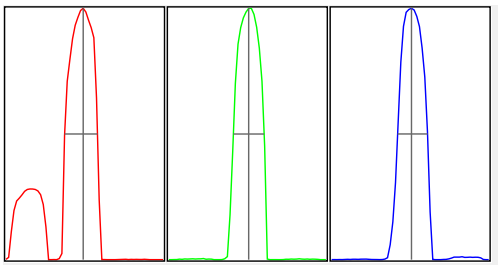
Mass	Range	Count	RSD%	Background
7	5000	2602	2.572	1.350
89	10000	9113	2.672	1.450
205	10000	7346	2.815	8.100

Sampling Period [sec]	0.311
Integration Time [sec]	0.1

Oxide/Doubly Charged Ratio

Oxide	156 / 140 1.294 %
Doubly Charged	70 / 140 1.331 %

Resolution/Axis



Mass	Peak Height	Axis	W-50%	W-10%
7	2653.30	7.00	0.62	0.72
89	9191.12	89.05	0.58	0.71
205	7302.59	205.05	0.56	0.75

Integration Time [sec]	0.1
Acquisition Time [sec]	22.74

Tune Parameters

Plasma Parameters

RF Power	1550 W	Option Gas	---	Makeup Gas	0.00 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Auxiliary Gas	0.90 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C	Plasma Gas	15.0 L/min
Nebulizer Gas	1.09 L/min				

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.4 V	Deflect	13.0 V
Extract 2	-195.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-100 V	Cell Exit	-50 V		

Performance Report

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

QP Bias	-3.0 V

Hardware Settings

Torch

Torch H	0.2 mm	Torch H (Hot)	---	Torch H (Cool)	---
Torch V	0.6 mm	Torch V (Hot)	---	Torch V (Cool)	---

Plasma Correction

Nebulizer Gas Offset	0.04 L/min	Makeup Gas (Hot)	---	Makeup Gas (Cool)	---
		Sample Depth (Hot)	---		

Resolution/Axis

Mass Gain	124	Axis Gain	0.9994		
Mass Offset	126	Axis Offset	0.05		

EM

Discriminator	3.1 mV	Analog HV	2167 V	Pulse HV	1681 V

Performance Report

Meter

Name	Value	Unit
Nebulizer Gas	1.09	L/min
MU./Dil. Gas	0.00	L/min
Plasma Gas	14.99	L/min
Aux Gas	0.90	L/min
Ar Gas Tank Press	5.57E+2	kPa
+5V (Press Gage)	5.0	V
Ar AMFC Temp	25.9	°C
Nebulizer Gas(DP)	5.80E+0	kPa
MU./Dil. Gas(DP)	-1.85E-1	kPa
Aux Gas(DP)	1.07E+1	kPa
Plasma Gas(DP)	1.17E+1	kPa
Nebulizer Gas(BP)	3.03E+2	kPa
MU./Dil. Gas(BP)	0.00E+0	kPa
Aux Gas(BP)	5.93E+1	kPa
Plasma Gas(BP)	4.21E+1	kPa
S/C Temp (H)	21.2	°C
S/C Temp (L)	2.0	°C
Peltier Voltage	3.5	V
IF/BK Press	2.22E+2	Pa
Analyzer Press	4.28E-5	Pa
IG HV	178	V
IG Emission	4.96	µA
TMP Revolution	100.0	%
TMP Rev (Raw)	100.6	%
TMP Current	2.48	A
PWR AMP Drain I	0.4	A
PWR AMP Bias	4.04	V
OctP RF (Avg)	202.8	V
OctP RF Set	4.0	V
OctP FET Bias Set	3.94	V
OctP RF(+)	177.8	V
OctP RF(-)	226.7	V
OctP Bias	-7.9	V
Cell Temp.	65.0	°C
Cell Heater Volt.	4.4	V
+U Voltage	173.8	V

Name	Value	Unit
-U Voltage	-179.6	V
V Voltage	773.4	V
QPRF Fader	0.5	V
Pickup Temp	55.0	°C
PWR Amp Temp	0.1	V
+600V	618.7	V
-120V	-132.7	V
-720V	-741.5	V
Prefilter Bias	-4.95	V
Pickup Heater I	0.11	A
QP PS +48V	47.5	V
QP PS +48V I	0.00	A
Analog HV	-2172	V
Pulse HV	1693	V
EM Gate	-27.6	V
Pulse Gate	378.7	V
EM Entrance	0.1	V
EM HV Gain	-790.1	V
Inner Pole	-299.9	V
Outer Pole	19.9	V
Analog -5V	-5.1	V
Analog +15V	14.5	V
Analog -15V	-14.4	V
Analog +5V	5.2	V
Shunt C Pos	1.5	V
Drain Volt.(max)	60.5	V
RF PS +48V	47.0	V
Forward Power	1550	W
Reflected Power	4	W
Plasma Freq.	27.05	MHz
Drain I 1	11.52	A
Drain I 2	10.42	A
Drain I 3	10.84	A
Drain I 4	11.43	A
Temp Sensor	2.8	V
Driver I	6.16	A

Name	Value	Unit
Igniter	0.0	V
Driver Voltage Set	6.9	V
Unbalance Current	0.35	A
PWM Threshold Set	0.2	V
Driver Voltage	5.6	V
PWM Threshold	0.2	V
Phase Detector	0.0	mV
H2 Gas	0.00	mL/min
He Gas	0.12	mL/min
H2 Gas Press	1.71E+2	kPa
He Gas Press	0.00E+0	kPa
ORS AMFC Temp	25.9	°C
Atmospheric Press	1.02E+2	kPa
Extract 1	0.0	V
Extract 2	-195.0	V
Omega Bias	-100.0	V
Omega Lens	9.6	V
Cell Entrance	-30.0	V
Cell Exit	-50.1	V
Deflect	13.0	V
Plate Bias	-35.0	V
HV+530V	530	V
HV+240V	238	V
HV-360V	-360	V
Inlet Temp	22.3	°C
Internal Temp	31.4	°C
+24V	23.7	V
Water Temp	22.4	°C
Water RF/WC/IF	1.50	L/min
AVS Pump Speed	0.0	%
Valve Position		
Tune/ISTD Valve		

Performance Report History

Sensitivity

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/5/2024 07:45:15	2602	9113	7346
12/4/2024 08:35:28	2839	9667	7564
12/3/2024 09:38:46	3015	11193	9379
12/3/2024 09:10:25	2907	9157	7638
12/2/2024 09:48:14	2604	11442	9841
11/27/2024 09:18:02	3476	12162	11898
11/27/2024 08:40:33	3385	11944	12062
11/26/2024 07:52:41	3744	12035	11820
11/25/2024 10:52:38	3880	13207	12363
11/25/2024 08:43:09	2919	8152	7210
11/25/2024 08:31:48	2322	6799	6373
11/22/2024 06:29:21	4341	13631	11908
11/21/2024 10:07:26	4232	13850	11980
11/21/2024 09:58:26	4337	13867	11641
11/21/2024 09:53:21	4336	13943	11865
11/20/2024 08:50:13	3327	11963	9773
11/19/2024 09:07:39	2881	12066	10310
11/18/2024 09:11:09	3258	12805	10761
11/15/2024 09:02:37	2693	8707	6754
11/14/2024 09:56:47	3179	12036	10196
11/14/2024 09:44:41	2030	6528	5373
11/14/2024 09:39:59	2088	6876	5431
11/14/2024 09:21:41	2135	6090	4966
11/14/2024 09:16:53	2193	6427	5066
11/13/2024 10:17:19	2967	12322	10924
11/12/2024 08:42:23	2896	10156	8865
11/12/2024 08:34:20	2091	6271	5013
11/11/2024 09:46:29	2704	9103	8129
11/11/2024 09:31:26	1451	4130	3151
11/11/2024 09:09:19	1556	4381	3353
11/8/2024 09:40:41	3878	12850	11278
11/7/2024 12:08:43	2848	10226	8292
11/7/2024 12:03:35	2627	8637	6728
11/7/2024 11:08:15	3976	13810	11381
11/7/2024 10:32:04	3532	13174	11182
11/7/2024 10:13:44	3716	11909	8198
11/7/2024 09:49:05	3693	13084	12786
11/6/2024 08:55:41	3378	15088	11319
11/5/2024 09:02:15	3773	15490	10953
11/4/2024 09:59:50	3402	15159	11216
11/4/2024 09:42:34	1057	3669	2186

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/4/2024 09:13:54	2351	8941	5502
11/1/2024 08:59:46	3717	16612	11556
10/31/2024 09:14:27	3337	15432	11693
10/30/2024 16:33:14	3797	17300	11789
10/30/2024 11:25:36	3655	14542	11817
10/30/2024 10:54:46	2413	7307	5091
10/30/2024 09:09:15	2981	9609	6862
10/29/2024 11:26:39	3194	11766	9190
10/29/2024 10:54:54	3026	11294	9461
10/29/2024 09:36:05	2893	8670	6437
10/29/2024 09:04:30	2784	8761	6754
10/28/2024 12:26:28	3435	10521	7399
10/28/2024 09:57:52	3258	12158	9024
10/25/2024 13:22:08	3268	11240	9552
10/25/2024 13:09:08	2630	7875	5867
10/25/2024 10:35:56	3217	10194	8481
10/25/2024 09:26:45	2628	9694	7739
10/25/2024 09:03:40	2688	8459	5359
10/24/2024 17:10:08	3080	10118	10097
10/24/2024 11:19:48	3870	14779	11560
10/24/2024 08:53:34	4135	16022	12555
10/23/2024 08:59:04	4087	16614	13183
10/22/2024 09:55:36	3983	15001	13012
10/21/2024 09:31:04	4538	15014	12821
10/18/2024 09:37:11	4383	14724	11994
10/17/2024 09:00:58	3900	14698	13119
10/16/2024 11:21:27	4189	14816	12534
10/16/2024 09:02:59	3438	10582	8196
10/15/2024 10:12:35	3435	10846	9239
10/14/2024 08:46:09	3541	15986	12186
10/11/2024 08:49:47	3690	15862	11666
10/10/2024 08:52:01	3700	15402	11824
10/9/2024 08:27:16	3626	15774	12277
10/8/2024 10:52:55	2362	10542	7908
10/8/2024 09:47:42	3911	15304	12906
10/7/2024 10:47:10	3992	14955	12794
10/7/2024 09:10:56	3382	13538	12792
10/7/2024 08:55:15	2656	8709	7524
10/4/2024 09:16:15	3872	14221	12466
10/3/2024 09:27:44	3365	12368	10800
10/3/2024 08:49:43	2982	10090	8450

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
10/3/2024 08:29:02	2995	10810	8612
10/2/2024 11:08:13	3324	11671	10170
10/2/2024 08:39:41	3353	10241	7732
10/1/2024 10:14:04	3370	11872	10693
9/30/2024 08:49:31	3503	14869	12082
9/27/2024 08:14:47	4409	16282	11577
9/26/2024 08:09:12	3884	15616	12097
9/25/2024 09:11:08	3580	16691	12938
9/24/2024 09:35:48	4222	16263	13022
9/23/2024 09:00:30	3708	15742	12736
9/20/2024 09:05:28	3987	15551	12694
9/19/2024 09:00:53	4313	16809	12564
9/18/2024 11:34:33	4095	14853	12453
9/18/2024 09:06:37	4445	16590	12240
9/17/2024 12:16:40	4163	14965	13304
9/17/2024 10:09:01	4176	14949	13142
9/16/2024 09:06:13	3051	12572	8977
9/13/2024 16:50:14	4283	16184	11408
9/13/2024 08:54:29	4066	17163	12371
9/12/2024 08:56:53	4002	16732	12377
9/11/2024 09:06:29	2910	10224	6989
9/10/2024 09:46:13	3531	13275	10400
9/9/2024 08:47:13	3100	13781	11716
9/9/2024 08:34:46	2186	7930	5968
9/6/2024 08:58:38	3296	13115	10876
9/5/2024 08:40:15	3699	13907	11131
9/4/2024 08:38:45	3411	15290	10844
9/3/2024 12:05:58	3899	14950	9780
9/3/2024 11:05:58	4188	14542	9410
9/3/2024 08:41:14	4155	14456	9772
8/30/2024 08:41:51	4377	15431	12571
8/29/2024 17:44:51	3896	15116	12679
8/29/2024 10:01:21	3933	13845	12605
8/28/2024 08:40:35	3730	15164	11267
8/27/2024 08:32:46	3843	16710	10929
8/26/2024 10:42:47	3976	12882	10259
8/23/2024 09:05:16	3432	12892	9568
8/22/2024 08:43:54	3662	14009	10981
8/21/2024 08:04:13	3190	14776	11594
8/20/2024 09:20:37	4220	16080	10288
8/19/2024 10:25:21	3050	10181	8067

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/19/2024 09:17:03	3195	9903	8321
8/16/2024 08:56:38	3253	15296	12175
8/15/2024 08:28:01	3146	14138	12111
8/14/2024 08:24:41	3158	13973	11673
8/13/2024 08:51:41	3023	15070	13056
8/12/2024 09:10:43	3411	12432	11805
8/12/2024 08:57:52	1786	5237	5122
8/9/2024 11:39:50	3767	15758	13022
8/9/2024 10:08:20	12	1	3
8/8/2024 08:40:39	3024	12546	9719
8/7/2024 09:19:16	2917	12165	9488
8/6/2024 11:12:44	2859	11998	10016
8/6/2024 10:53:38	2232	10655	9558
8/5/2024 10:40:17	2691	10635	9226
8/5/2024 10:09:19	2125	6835	5664
8/5/2024 09:55:23	2365	7939	6556
8/2/2024 09:40:16	3340	11024	9295
8/2/2024 08:37:48	3505	10692	8586
8/1/2024 10:38:00	3758	12250	9330
8/1/2024 09:06:45	3389	10556	9761
7/31/2024 08:13:58	3039	11937	9529
7/30/2024 08:50:51	2533	10165	9332
7/29/2024 16:06:05	3222	12529	9934
7/29/2024 12:07:28	3037	11992	10136
7/29/2024 11:14:31	3174	12095	10013
7/29/2024 10:15:21	2846	11965	10483
7/26/2024 08:53:52	3203	12639	10549
7/25/2024 09:09:23	2585	8526	8080
7/24/2024 15:10:09	3079	9987	9009
7/24/2024 08:46:25	3148	11490	9796
7/23/2024 09:32:54	3357	11492	9580
7/22/2024 10:18:30	3442	12004	11023
7/19/2024 08:55:06	3486	11885	10185
7/18/2024 09:06:31	3257	9447	8888
7/17/2024 13:03:52	2495	9473	8373
7/17/2024 08:53:29	2867	10755	8619
7/16/2024 08:54:03	2886	10903	8985
7/15/2024 10:39:29	2656	10995	8921
7/15/2024 10:30:38	103	5	6
7/15/2024 10:13:57	1404	5260	4224
7/15/2024 09:02:48	3268	12919	10156

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
7/12/2024 08:34:22	2706	11570	8940
7/11/2024 09:57:22	2727	11970	8459
7/10/2024 08:53:17	2246	9073	7312
7/9/2024 11:54:06	3038	12303	9808
7/9/2024 11:32:31	2139	7705	5834
7/9/2024 11:26:38	2090	7758	5904
7/9/2024 10:39:16	3437	12816	9591
7/9/2024 09:17:46	2577	11478	8879
7/9/2024 08:57:06	3286	13034	8974
7/8/2024 09:21:55	3166	12745	9642
7/8/2024 09:16:31	3066	12665	9668
7/5/2024 09:03:10	3288	13628	11266
7/3/2024 13:05:52	3539	13046	10137
7/3/2024 11:25:40	3213	12344	9957
7/3/2024 09:13:37	3169	12570	10423
7/3/2024 08:44:49	2051	12221	9873
7/2/2024 10:26:17	2328	11750	10360
7/2/2024 08:58:12	3072	10344	9707
7/1/2024 14:16:19	3282	10802	9231
7/1/2024 10:01:10	3288	12796	10476
6/28/2024 08:25:22	3484	12596	10301
6/27/2024 08:34:14	3474	12721	10120
6/27/2024 08:11:22	1666	11338	9258
6/26/2024 07:54:24	2501	8288	8428
6/25/2024 09:02:17	2627	12790	10975
6/24/2024 09:30:27	2976	12050	10056
6/21/2024 08:55:34	3096	13175	9957
6/21/2024 08:22:44	1280	11401	9041
6/20/2024 09:00:43	2564	9588	8694
6/19/2024 07:51:31	2980	11922	9704
6/18/2024 07:52:20	3296	11922	9824
6/17/2024 08:58:45	3009	9463	9003
6/14/2024 08:44:27	2879	12214	10357
6/13/2024 08:42:30	3176	12682	10526
6/12/2024 09:03:47	2996	12633	11312
6/11/2024 08:44:40	3492	13252	10118
6/10/2024 09:31:51	4111	13060	10421
6/10/2024 09:17:04	3508	11070	8441
6/10/2024 09:10:07	3930	12555	9564
6/7/2024 09:02:38	3417	11597	7618
6/6/2024 15:20:20	2950	9649	8247

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
6/6/2024 05:03:01	3480	13184	11025
6/6/2024 04:59:28	3438	13257	11014
6/5/2024 08:30:26	3575	12412	10789
6/4/2024 08:52:51	3401	12310	11419
6/4/2024 08:39:35	2814	11768	10904
6/4/2024 08:33:37	3060	12687	11246
6/3/2024 10:10:17	3272	10175	10494
6/3/2024 09:51:43	1907	6599	4712
6/3/2024 09:44:54	2209	7627	5199
6/3/2024 09:30:49	3299	9738	9247
5/31/2024 08:42:32	3301	13328	10713
5/30/2024 09:08:46	3406	13401	10419
5/29/2024 09:04:40	3587	13162	10590
5/29/2024 08:48:40	1739	11664	8844
5/29/2024 08:44:08	1858	12854	9297
5/28/2024 09:34:37	3138	12513	10682
5/24/2024 07:20:01	3325	12857	11044
5/23/2024 10:25:13	3407	12821	11140
5/22/2024 09:45:06	3583	12763	11601
5/21/2024 09:06:58	3752	13803	11837
5/21/2024 08:01:17	3966	14413	11053
5/20/2024 17:22:27	3645	10846	9662
5/20/2024 17:18:56	3613	10801	9645
5/20/2024 09:20:56	3333	12566	10681
5/17/2024 09:12:39	3467	13701	10660
5/16/2024 08:56:23	3599	13565	10699
5/15/2024 09:38:13	3581	13159	10227
5/15/2024 09:21:01	1917	11948	9850
5/14/2024 09:41:16	3346	12368	10966
5/14/2024 09:04:40	3206	11414	12297
5/13/2024 09:04:44	2639	15138	12300
5/10/2024 08:57:17	2178	13865	10279
5/9/2024 09:06:46	2313	13292	10727
5/9/2024 08:50:21	1763	12142	9522
5/9/2024 08:44:20	1789	12171	9682
5/8/2024 09:39:10	3313	11092	11044
5/7/2024 17:05:39	3463	13115	10886
5/7/2024 16:48:43	3264	12073	10628
5/7/2024 09:19:24	3347	12706	11167
5/6/2024 09:15:59	3892	14499	12724
5/6/2024 09:03:10	3843	14665	13481

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
5/3/2024 09:11:06	3540	13100	11548
5/2/2024 09:48:24	3670	12233	11836
5/1/2024 09:22:54	4036	13686	11251
4/30/2024 10:43:56	4361	13605	11359
4/30/2024 08:17:01	4350	13793	11664
4/29/2024 09:10:57	4751	14089	11140
4/29/2024 08:57:45	3329	9292	6892
4/26/2024 08:09:31	5054	14978	10788
4/25/2024 09:37:51	4308	13902	11794
4/24/2024 09:17:24	4876	17662	12102
4/23/2024 22:46:11	4199	16180	12059
4/23/2024 09:01:59	3715	15592	11876
4/22/2024 10:16:34	4292	15978	13578
4/19/2024 10:59:00	3974	16385	11540
4/19/2024 10:07:48	2645	8439	3189
4/19/2024 09:10:32	360162	657303	2022720
4/18/2024 09:24:23	3369	17060	12485
4/17/2024 17:03:53	2828	16000	10229
4/17/2024 16:22:27	2262	14213	9009
4/17/2024 09:09:54	3608	12353	11595
4/16/2024 09:06:44	4046	14969	11814
4/15/2024 09:14:49	4139	16052	12083
4/12/2024 08:28:21	4666	17208	13280
4/11/2024 08:35:01	4138	17113	13613
4/10/2024 09:48:58	4018	16844	14484
4/9/2024 08:56:49	3881	15432	13181
4/8/2024 09:25:48	4035	16790	14224
4/5/2024 08:28:47	3893	17251	13416
4/4/2024 11:00:01	2778	10338	7494
4/4/2024 10:45:12	4028	16465	14158
4/3/2024 08:29:42	3630	16640	12452
4/2/2024 09:43:44	3046	17903	13815
4/1/2024 09:27:15	3194	17804	13701
3/29/2024 08:53:28	2520	17006	12384
3/28/2024 09:08:20	2920	17324	12995
3/27/2024 16:48:32	3382	17176	12605
3/27/2024 10:07:18	3661	16126	12723
3/27/2024 08:49:30	3929	17060	12992
3/26/2024 10:28:06	4590	16054	14855
3/25/2024 10:10:30	4003	18464	13973
3/22/2024 09:00:45	2984	17875	12893

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
3/21/2024 08:44:31	3167	17829	13067
3/20/2024 09:03:42	3080	17089	12389
3/19/2024 13:23:15	3786	17505	12877
3/19/2024 09:31:32	3279	17943	12421
3/18/2024 10:47:35	4608	16508	13822
3/15/2024 09:19:25	2446	16491	10868
3/14/2024 09:13:05	2441	16585	10800
3/13/2024 09:22:30	2903	16825	11325
3/12/2024 09:10:39	2653	17105	11709
3/11/2024 11:07:32	4200	16181	13057
3/11/2024 09:31:05	4293	17257	11986
3/11/2024 09:27:33	4322	17396	12106
3/8/2024 08:29:13	4145	16244	11704
3/7/2024 17:46:09	4185	15148	11811
3/7/2024 13:19:13	4029	15848	11265
3/7/2024 09:28:32	3605	13491	9204
3/7/2024 09:11:32	2580	13526	10298
3/7/2024 09:01:08	2698	13846	10718
3/6/2024 10:19:40	3208	14488	10724
3/5/2024 10:15:16	273	1743	2387
3/5/2024 10:09:01	146	892	1334
3/4/2024 11:41:00	4063	15365	11233
3/4/2024 11:28:21	1954	9059	5433
3/1/2024 08:43:28	2996	15512	8966
2/29/2024 10:38:23	4306	15354	11334
2/29/2024 10:00:25	554	3889	4359
2/29/2024 09:54:15	506	3359	3784
2/28/2024 09:32:01	3061	18229	13084
2/27/2024 09:16:47	2827	17549	11855
2/26/2024 10:30:35	3971	16379	11179
2/26/2024 10:00:21	1827	10055	6679
2/23/2024 09:07:38	3382	16511	11230
2/22/2024 08:58:48	3065	15604	10264
2/21/2024 09:51:13	3455	16190	11543
2/20/2024 09:59:52	3253	15976	11176
2/19/2024 11:30:32	4894	17240	13782
2/19/2024 11:27:00	4856	17120	13743
2/19/2024 10:16:07	4289	15395	10107
2/16/2024 10:28:26	3613	15969	9007
2/15/2024 09:20:58	4185	16564	9371
2/14/2024 09:20:12	4712	16825	9695

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
2/13/2024 10:44:41	4401	16379	9098
2/13/2024 10:29:18	758	13401	11559
2/12/2024 11:24:46	2301	15124	11918
2/12/2024 11:09:08	53	2239	4028
2/12/2024 10:33:45	42	1954	3702
2/12/2024 10:19:52	438	2663	2740
2/12/2024 10:03:02	137	541	1027
2/9/2024 09:43:26	2475	17092	10562
2/8/2024 09:41:08	2739	17007	11011
2/7/2024 09:08:34	2949	17251	11332
2/6/2024 10:08:14	3266	17222	10352
2/5/2024 16:27:35	2590	11801	7811
2/2/2024 09:52:22	4247	15989	11850
2/1/2024 09:29:20	4221	15873	11923
1/31/2024 11:01:25	4619	16449	12370
1/31/2024 10:56:52	2140	7715	5751
1/30/2024 09:04:33	4439	15663	11799
1/29/2024 09:09:33	3916	13763	12278
1/26/2024 10:08:59	3557	15191	9410
1/25/2024 09:54:25	3735	15427	9753
1/24/2024 08:52:40	3752	15257	10201
1/23/2024 11:08:41	3473	15039	10359
1/22/2024 09:17:23	4075	16149	10348
1/22/2024 09:06:26	2984	12293	7869
1/19/2024 09:01:45	3434	14536	9100
1/18/2024 10:29:20	3342	14635	9148
1/17/2024 08:52:45	3752	15881	10390
1/16/2024 14:09:54	4332	14365	9878
1/16/2024 13:58:35	1849	8752	5553
1/16/2024 13:45:11	1759	8747	5733
1/15/2024 13:03:28	344	1843	2376
1/15/2024 10:46:25	310	1953	2595
1/15/2024 10:34:05	355	1945	2594
1/15/2024 10:25:28	354	1906	2502
1/15/2024 09:48:32	378	1867	2261
1/15/2024 09:32:45	371	1842	2272
1/11/2024 14:10:39	440	1388	1671
1/11/2024 14:00:32	442	1331	1629
1/11/2024 13:07:14	441	1073	1309
1/11/2024 12:18:32	442	1296	1595
1/11/2024 10:36:51	468	1469	1987

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/11/2024 10:28:26	430	1428	1696
1/11/2024 09:11:58	387	1869	2263
1/11/2024 09:02:27	313	1592	1975
1/11/2024 08:54:00	310	1559	1944
1/10/2024 09:10:40	3490	14986	10982
1/9/2024 12:58:05	4349	14607	8180
1/9/2024 12:49:35	715	10779	7642
1/9/2024 12:37:33	8	1202	6143
1/9/2024 12:22:55	8	1215	6181
1/9/2024 12:00:03	8	1341	6546
1/9/2024 11:54:42	9	1280	6372
1/9/2024 11:45:17	9	1382	6594
1/9/2024 11:40:53	10	1397	6617
1/9/2024 11:25:08	362	1545	1665
1/9/2024 11:20:04	363	1540	1650
1/8/2024 13:49:37	3408	10281	9523
1/8/2024 12:34:48	1155	5021	6450
1/8/2024 12:30:18	1191	5187	6341
1/5/2024 09:35:49	3668	12692	8070
1/4/2024 09:13:21	3867	12894	6927
1/4/2024 09:00:57	603	1935	1257
1/3/2024 08:46:17	3809	12778	9107
1/2/2024 11:16:48	3519	12397	9390
1/2/2024 10:38:17	3814	12293	8842
12/29/2023 10:12:49	4013	12649	8816
12/28/2023 08:59:35	3766	13387	9586
12/27/2023 12:20:02	3809	12937	8800
12/27/2023 11:34:32	40	9	2
12/27/2023 10:51:04	55	31	2
12/27/2023 10:41:08	72	37	8
12/27/2023 10:33:50	3879	13288	8945
12/27/2023 10:28:28	3772	13183	8580
12/22/2023 07:49:52	3943	11892	9924
12/21/2023 08:44:43	3526	13027	9943
12/20/2023 09:26:41	4003	13172	10074
12/19/2023 09:55:37	4333	13694	10285
12/18/2023 10:16:18	4138	13763	10818
12/18/2023 10:06:38	3415	13014	10962
12/18/2023 10:00:26	3894	14384	11204
12/15/2023 09:45:55	3734	14030	9513
12/14/2023 10:23:15	3524	14113	9600

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/13/2023 10:17:40	3829	13996	9570
12/12/2023 09:56:00	3555	14240	9677
12/11/2023 10:31:48	3701	14394	9382
12/8/2023 10:10:39	3664	14293	8929
12/7/2023 09:51:50	3426	13353	8809
12/6/2023 10:12:37	3698	14579	8824
12/5/2023 10:02:14	3349	13427	9922
12/4/2023 12:08:53	3427	12418	10340
12/4/2023 11:24:17	1768	7808	8292
12/4/2023 11:20:06	1802	8001	8316
12/4/2023 11:16:06	1832	8106	8250
12/4/2023 10:23:39	1770	7816	7735
12/4/2023 10:16:55	1601	7275	7827
12/4/2023 10:09:27	1944	8113	7456
12/1/2023 09:45:19	2113	9054	8466
11/30/2023 11:48:17	2317	9995	8851
11/30/2023 11:13:01	1727	8309	9089
11/30/2023 11:05:44	1721	8023	8748
11/30/2023 10:33:46	1172	5927	8124
11/29/2023 10:04:26	2359	11870	8365
11/29/2023 09:51:22	1483	5693	3444
11/28/2023 12:50:37	3146	12531	8324
11/28/2023 12:18:55	2789	8914	4789
11/28/2023 12:15:04	3346	10726	5995
11/28/2023 11:49:24	2609	8496	4878
11/28/2023 10:22:53	1529	5718	4738
11/28/2023 10:19:03	1663	6180	5204
11/28/2023 10:15:20	1784	6623	5657
11/28/2023 09:59:37	1436	6174	5639
11/27/2023 10:28:48	2148	9665	8835
11/27/2023 10:07:16	1451	7618	8440
11/27/2023 10:01:25	1454	7648	8543
11/27/2023 09:52:06	1636	8794	9323
11/22/2023 09:50:47	2317	9749	8520
11/21/2023 09:52:05	2348	10189	9398
11/20/2023 09:38:08	2536	10392	9162
11/17/2023 10:07:38	2699	10664	9285
11/16/2023 09:42:56	2615	11519	10404
11/15/2023 13:01:45	2120	9780	10146
11/15/2023 12:33:52	1814	8334	9391
11/15/2023 12:27:35	1837	8353	9462

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/15/2023 12:17:35	1829	8310	9392
11/15/2023 12:09:42	1631	7760	9062
11/15/2023 10:39:09	1634	7521	8758
11/14/2023 10:25:03	4165	15167	8009
11/13/2023 09:42:07	3445	15971	9795
11/10/2023 09:15:37	3300	14607	7635
11/9/2023 09:55:52	2651	15369	8099
11/8/2023 09:55:56	2862	15545	7990
11/7/2023 10:07:52	2359	13776	7205
11/7/2023 10:01:12	1759	11245	6289
11/7/2023 09:55:11	1931	12236	6442
11/6/2023 10:21:52	3645	16323	7638
11/3/2023 09:44:39	2391	13805	7745
11/2/2023 09:56:11	2999	15000	8628
11/1/2023 09:41:33	3299	14766	7935

Background

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/5/2024 07:45:15	1.350	1.450	8.100
12/4/2024 08:35:28	1.200	1.550	7.650
12/3/2024 09:38:46	1.300	1.300	6.550
12/3/2024 09:10:25	1.250	1.100	6.750
12/2/2024 09:48:14	1.300	1.150	6.650
11/27/2024 09:18:02	0.600	0.700	1.800
11/27/2024 08:40:33	0.650	0.750	1.300
11/26/2024 07:52:41	0.950	0.600	2.100
11/25/2024 10:52:38	0.900	0.550	2.350
11/25/2024 08:43:09	0.850	0.800	2.050
11/25/2024 08:31:48	1.000	0.650	2.100
11/22/2024 06:29:21	0.600	1.050	2.500
11/21/2024 10:07:26	0.750	1.000	2.700
11/21/2024 09:58:26	1.300	0.650	3.050
11/21/2024 09:53:21	0.800	0.750	3.100
11/20/2024 08:50:13	6.000	3.700	8.600

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/19/2024 09:07:39	1.550	1.400	6.450
11/18/2024 09:11:09	1.150	1.600	7.350
11/15/2024 09:02:37	1.200	1.150	7.050
11/14/2024 09:56:47	2.100	1.400	7.500
11/14/2024 09:44:41	1.750	0.850	5.250
11/14/2024 09:39:59	2.150	1.550	9.400
11/14/2024 09:21:41	2.250	1.500	6.150
11/14/2024 09:16:53	1.850	0.900	7.400
11/13/2024 10:17:19	1.650	1.000	4.650
11/12/2024 08:42:23	1.200	0.650	2.500
11/12/2024 08:34:20	1.150	0.650	3.300
11/11/2024 09:46:29	1.350	0.500	3.400
11/11/2024 09:31:26	1.150	0.800	3.850
11/11/2024 09:09:19	1.750	0.450	4.300
11/8/2024 09:40:41	0.950	0.650	3.650
11/7/2024 12:08:43	2.450	1.450	5.650
11/7/2024 12:03:35	1.900	1.200	5.500
11/7/2024 11:08:15	1.350	0.700	2.850
11/7/2024 10:32:04	1.350	0.450	2.700
11/7/2024 10:13:44	0.850	0.700	3.500
11/7/2024 09:49:05	0.900	0.650	2.650
11/6/2024 08:55:41	1.800	1.300	6.000
11/5/2024 09:02:15	1.950	1.250	6.400
11/4/2024 09:59:50	1.750	1.100	6.350
11/4/2024 09:42:34	3.000	1.750	8.800
11/4/2024 09:13:54	3.050	0.950	6.700
11/1/2024 08:59:46	1.600	1.100	5.200
10/31/2024 09:14:27	1.500	1.200	4.850
10/30/2024 16:33:14	2.550	1.200	7.450
10/30/2024 11:25:36	1.400	1.250	4.700
10/30/2024 10:54:46	1.250	1.300	6.450
10/30/2024 09:09:15	0.650	0.700	4.050
10/29/2024 11:26:39	0.800	0.900	3.200
10/29/2024 10:54:54	1.000	0.950	3.600
10/29/2024 09:36:05	1.650	0.900	4.150
10/29/2024 09:04:30	1.000	0.450	4.500
10/28/2024 12:26:28	1.200	0.950	5.100
10/28/2024 09:57:52	1.200	0.800	4.350
10/25/2024 13:22:08	0.500	0.500	2.800
10/25/2024 13:09:08	0.850	1.050	4.250
10/25/2024 10:35:56	0.850	0.650	3.350

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
10/25/2024 09:26:45	0.550	0.850	2.500
10/25/2024 09:03:40	1.000	0.750	3.450
10/24/2024 17:10:08	0.550	0.700	2.950
10/24/2024 11:19:48	1.300	0.900	4.950
10/24/2024 08:53:34	0.850	1.000	5.300
10/23/2024 08:59:04	1.200	0.600	4.650
10/22/2024 09:55:36	1.100	1.000	3.250
10/21/2024 09:31:04	0.750	0.700	2.900
10/18/2024 09:37:11	1.300	0.800	4.050
10/17/2024 09:00:58	1.000	0.700	3.100
10/16/2024 11:21:27	0.750	1.150	4.250
10/16/2024 09:02:59	0.800	0.850	4.800
10/15/2024 10:12:35	0.700	0.750	3.450
10/14/2024 08:46:09	1.150	0.750	5.200
10/11/2024 08:49:47	1.250	1.250	5.050
10/10/2024 08:52:01	1.150	1.050	4.250
10/9/2024 08:27:16	1.300	0.650	5.100
10/8/2024 10:52:55	1.650	0.900	6.250
10/8/2024 09:47:42	1.000	1.200	3.950
10/7/2024 10:47:10	1.000	0.850	3.900
10/7/2024 09:10:56	0.650	0.650	2.550
10/7/2024 08:55:15	0.900	0.350	3.750
10/4/2024 09:16:15	0.550	0.700	3.950
10/3/2024 09:27:44	1.150	0.800	3.300
10/3/2024 08:49:43	1.050	0.750	4.100
10/3/2024 08:29:02	0.700	0.900	3.950
10/2/2024 11:08:13	1.150	0.800	3.600
10/2/2024 08:39:41	1.150	1.100	4.550
10/1/2024 10:14:04	0.900	0.500	2.800
9/30/2024 08:49:31	1.300	1.000	4.000
9/27/2024 08:14:47	1.750	1.050	5.150
9/26/2024 08:09:12	0.800	0.550	4.500
9/25/2024 09:11:08	1.150	0.800	4.950
9/24/2024 09:35:48	0.850	0.700	4.550
9/23/2024 09:00:30	1.250	1.000	4.050
9/20/2024 09:05:28	0.700	0.750	3.000
9/19/2024 09:00:53	1.000	1.000	4.550
9/18/2024 11:34:33	1.000	0.800	3.700
9/18/2024 09:06:37	0.600	0.750	4.150
9/17/2024 12:16:40	0.900	0.750	3.400
9/17/2024 10:09:01	0.900	0.800	3.350

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
9/16/2024 09:06:13	1.250	1.050	4.500
9/13/2024 16:50:14	1.550	1.700	7.350
9/13/2024 08:54:29	1.600	0.900	5.400
9/12/2024 08:56:53	1.000	0.900	4.800
9/11/2024 09:06:29	1.200	0.800	5.450
9/10/2024 09:46:13	0.900	0.500	4.550
9/9/2024 08:47:13	0.700	0.900	3.150
9/9/2024 08:34:46	0.950	0.450	3.600
9/6/2024 08:58:38	0.700	0.650	2.600
9/5/2024 08:40:15	0.800	0.700	3.950
9/4/2024 08:38:45	1.250	0.600	3.950
9/3/2024 12:05:58	1.350	0.950	4.450
9/3/2024 11:05:58	1.250	1.450	6.900
9/3/2024 08:41:14	1.400	1.450	5.900
8/30/2024 08:41:51	1.100	0.700	4.200
8/29/2024 17:44:51	1.050	0.950	3.500
8/29/2024 10:01:21	1.100	0.500	4.000
8/28/2024 08:40:35	0.800	1.250	4.450
8/27/2024 08:32:46	1.450	1.000	5.600
8/26/2024 10:42:47	1.150	0.650	4.550
8/23/2024 09:05:16	1.400	1.400	3.650
8/22/2024 08:43:54	1.050	0.850	3.250
8/21/2024 08:04:13	1.200	1.050	4.450
8/20/2024 09:20:37	1.250	1.250	5.250
8/19/2024 10:25:21	1.000	0.500	4.550
8/19/2024 09:17:03	0.900	0.650	3.700
8/16/2024 08:56:38	1.050	1.050	3.450
8/15/2024 08:28:01	1.000	0.600	3.250
8/14/2024 08:24:41	1.150	0.450	4.000
8/13/2024 08:51:41	1.200	0.450	2.850
8/12/2024 09:10:43	0.500	0.500	2.350
8/12/2024 08:57:52	0.950	0.600	2.950
8/9/2024 11:39:50	1.350	0.700	4.500
8/9/2024 10:08:20	0.850	0.600	3.100
8/8/2024 08:40:39	1.200	0.500	5.750
8/7/2024 09:19:16	1.350	0.900	4.300
8/6/2024 11:12:44	1.450	0.800	3.500
8/6/2024 10:53:38	1.600	0.500	3.350
8/5/2024 10:40:17	0.600	0.750	3.150
8/5/2024 10:09:19	1.300	0.750	4.700
8/5/2024 09:55:23	0.800	0.700	5.750

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/2/2024 09:40:16	1.050	0.650	4.450
8/2/2024 08:37:48	1.300	0.700	4.600
8/1/2024 10:38:00	1.050	0.550	5.450
8/1/2024 09:06:45	0.900	0.850	3.750
7/31/2024 08:13:58	1.200	0.650	3.800
7/30/2024 08:50:51	1.100	0.650	2.400
7/29/2024 16:06:05	1.250	0.950	4.850
7/29/2024 12:07:28	1.500	0.750	4.100
7/29/2024 11:14:31	1.200	1.000	3.500
7/29/2024 10:15:21	1.250	0.800	3.900
7/26/2024 08:53:52	0.750	1.200	3.950
7/25/2024 09:09:23	0.750	0.300	2.900
7/24/2024 15:10:09	0.750	0.700	3.650
7/24/2024 08:46:25	1.100	0.650	4.200
7/23/2024 09:32:54	1.250	0.750	3.550
7/22/2024 10:18:30	1.050	0.600	4.200
7/19/2024 08:55:06	1.300	0.650	4.050
7/18/2024 09:06:31	0.700	0.600	2.950
7/17/2024 13:03:52	1.150	0.800	3.850
7/17/2024 08:53:29	1.700	0.550	5.400
7/16/2024 08:54:03	0.900	0.850	4.100
7/15/2024 10:39:29	1.050	0.750	4.650
7/15/2024 10:30:38	1.250	0.750	4.300
7/15/2024 10:13:57	1.250	0.650	4.400
7/15/2024 09:02:48	1.550	0.450	4.300
7/12/2024 08:34:22	1.200	0.850	4.100
7/11/2024 09:57:22	1.550	1.200	5.900
7/10/2024 08:53:17	1.050	0.850	2.900
7/9/2024 11:54:06	1.200	0.750	3.700
7/9/2024 11:32:31	1.000	0.450	3.700
7/9/2024 11:26:38	1.550	0.550	4.350
7/9/2024 10:39:16	1.200	1.050	4.700
7/9/2024 09:17:46	1.550	0.800	4.650
7/9/2024 08:57:06	1.250	0.700	3.100
7/8/2024 09:21:55	1.700	0.950	5.050
7/8/2024 09:16:31	1.050	0.750	4.500
7/5/2024 09:03:10	1.200	0.500	3.600
7/3/2024 13:05:52	1.150	1.000	4.000
7/3/2024 11:25:40	1.500	0.850	4.500
7/3/2024 09:13:37	1.000	0.550	4.300
7/3/2024 08:44:49	0.950	0.650	3.500

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
7/2/2024 10:26:17	0.850	0.650	3.600
7/2/2024 08:58:12	0.900	0.850	3.350
7/1/2024 14:16:19	1.450	0.500	5.050
7/1/2024 10:01:10	1.450	0.850	3.900
6/28/2024 08:25:22	1.100	1.350	4.300
6/27/2024 08:34:14	1.350	0.900	6.000
6/27/2024 08:11:22	0.850	0.700	4.400
6/26/2024 07:54:24	0.650	0.400	2.750
6/25/2024 09:02:17	0.900	0.650	4.200
6/24/2024 09:30:27	1.250	1.100	4.150
6/21/2024 08:55:34	1.150	0.700	6.200
6/21/2024 08:22:44	1.050	0.900	3.250
6/20/2024 09:00:43	1.300	0.700	2.750
6/19/2024 07:51:31	1.500	1.400	4.900
6/18/2024 07:52:20	1.850	1.000	4.300
6/17/2024 08:58:45	1.000	0.450	2.900
6/14/2024 08:44:27	1.200	0.450	4.150
6/13/2024 08:42:30	1.100	0.850	4.800
6/12/2024 09:03:47	1.200	0.400	3.350
6/11/2024 08:44:40	1.650	0.700	3.950
6/10/2024 09:31:51	1.550	0.750	4.350
6/10/2024 09:17:04	1.250	0.450	3.800
6/10/2024 09:10:07	1.400	0.600	3.500
6/7/2024 09:02:38	1.400	0.350	3.300
6/6/2024 15:20:20	1.150	0.400	2.650
6/6/2024 05:03:01	1.500	1.100	4.650
6/6/2024 04:59:28	1.300	0.900	3.750
6/5/2024 08:30:26	1.800	1.350	4.050
6/4/2024 08:52:51	0.650	0.500	3.850
6/4/2024 08:39:35	0.850	0.500	3.450
6/4/2024 08:33:37	0.950	0.800	4.400
6/3/2024 10:10:17	1.000	0.500	3.100
6/3/2024 09:51:43	2.050	0.850	4.950
6/3/2024 09:44:54	1.500	0.500	5.150
6/3/2024 09:30:49	1.100	0.350	3.050
5/31/2024 08:42:32	1.350	0.900	5.150
5/30/2024 09:08:46	1.000	0.550	4.300
5/29/2024 09:04:40	1.150	0.750	4.750
5/29/2024 08:48:40	0.700	0.550	2.700
5/29/2024 08:44:08	1.150	0.400	3.600
5/28/2024 09:34:37	1.000	0.450	3.150

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
5/24/2024 07:20:01	1.250	1.100	4.200
5/23/2024 10:25:13	0.900	0.900	5.100
5/22/2024 09:45:06	1.050	0.750	5.250
5/21/2024 09:06:58	1.400	1.100	5.050
5/21/2024 08:01:17	1.150	0.950	4.950
5/20/2024 17:22:27	0.900	0.750	3.800
5/20/2024 17:18:56	1.050	1.050	3.750
5/20/2024 09:20:56	0.450	0.650	3.250
5/17/2024 09:12:39	1.050	0.700	4.800
5/16/2024 08:56:23	0.900	0.750	3.850
5/15/2024 09:38:13	0.750	0.600	4.050
5/15/2024 09:21:01	0.900	0.250	3.400
5/14/2024 09:41:16	0.900	0.350	3.050
5/14/2024 09:04:40	0.600	0.350	2.100
5/13/2024 09:04:44	0.950	0.900	3.450
5/10/2024 08:57:17	0.900	0.550	5.000
5/9/2024 09:06:46	1.100	0.900	5.050
5/9/2024 08:50:21	1.150	0.700	4.800
5/9/2024 08:44:20	1.000	1.000	5.300
5/8/2024 09:39:10	1.300	0.600	3.200
5/7/2024 17:05:39	1.150	0.700	4.850
5/7/2024 16:48:43	1.050	0.800	3.600
5/7/2024 09:19:24	1.000	0.800	3.750
5/6/2024 09:15:59	0.750	0.750	4.350
5/6/2024 09:03:10	0.850	0.700	4.500
5/3/2024 09:11:06	1.150	0.500	3.350
5/2/2024 09:48:24	0.800	0.800	2.450
5/1/2024 09:22:54	1.300	0.700	5.450
4/30/2024 10:43:56	1.000	1.250	5.000
4/30/2024 08:17:01	1.150	0.950	4.100
4/29/2024 09:10:57	1.550	0.750	5.050
4/29/2024 08:57:45	1.550	0.850	5.850
4/26/2024 08:09:31	1.300	0.750	5.850
4/25/2024 09:37:51	1.250	1.000	4.100
4/24/2024 09:17:24	1.600	1.450	5.400
4/23/2024 22:46:11	1.250	1.150	5.750
4/23/2024 09:01:59	0.700	0.550	4.900
4/22/2024 10:16:34	1.000	0.650	4.100
4/19/2024 10:59:00	1.050	1.050	5.250
4/19/2024 10:07:48	2.150	1.700	8.800
4/19/2024 09:10:32	0.600	0.600	1.050

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
4/18/2024 09:24:23	0.850	0.800	2.900
4/17/2024 17:03:53	1.350	0.800	4.300
4/17/2024 16:22:27	1.150	1.000	4.600
4/17/2024 09:09:54	0.800	0.750	2.300
4/16/2024 09:06:44	1.150	1.300	4.500
4/15/2024 09:14:49	1.200	1.150	5.300
4/12/2024 08:28:21	1.050	0.850	4.250
4/11/2024 08:35:01	0.900	0.700	4.650
4/10/2024 09:48:58	0.550	1.000	3.500
4/9/2024 08:56:49	0.700	0.700	3.500
4/8/2024 09:25:48	0.950	0.800	4.150
4/5/2024 08:28:47	1.450	0.700	5.100
4/4/2024 11:00:01	1.700	0.650	4.750
4/4/2024 10:45:12	1.100	0.750	3.200
4/3/2024 08:29:42	0.950	0.900	5.550
4/2/2024 09:43:44	0.800	0.750	2.500
4/1/2024 09:27:15	1.200	1.300	3.650
3/29/2024 08:53:28	1.250	0.900	3.350
3/28/2024 09:08:20	0.800	0.850	3.950
3/27/2024 16:48:32	1.250	1.100	4.700
3/27/2024 10:07:18	1.650	0.750	3.600
3/27/2024 08:49:30	1.700	0.600	4.200
3/26/2024 10:28:06	1.450	0.550	4.000
3/25/2024 10:10:30	1.150	0.650	4.800
3/22/2024 09:00:45	0.750	0.750	4.000
3/21/2024 08:44:31	0.900	0.450	4.000
3/20/2024 09:03:42	1.350	0.650	2.950
3/19/2024 13:23:15	1.250	0.750	3.650
3/19/2024 09:31:32	0.950	0.500	3.450
3/18/2024 10:47:35	1.150	0.550	3.550
3/15/2024 09:19:25	1.700	1.000	5.050
3/14/2024 09:13:05	1.100	0.750	4.050
3/13/2024 09:22:30	1.700	0.850	3.850
3/12/2024 09:10:39	0.850	0.700	3.750
3/11/2024 11:07:32	1.650	0.850	4.300
3/11/2024 09:31:05	1.450	0.850	4.850
3/11/2024 09:27:33	1.950	0.500	4.700
3/8/2024 08:29:13	1.800	0.650	4.350
3/7/2024 17:46:09	1.250	1.050	4.550
3/7/2024 13:19:13	0.950	0.650	4.750
3/7/2024 09:28:32	2.150	1.000	4.900

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
3/7/2024 09:11:32	1.200	0.600	3.500
3/7/2024 09:01:08	1.250	0.700	4.350
3/6/2024 10:19:40	1.600	0.500	4.550
3/5/2024 10:15:16	45.151	868.764	0.250
3/5/2024 10:09:01	0.450	0.100	0.150
3/4/2024 11:41:00	1.650	1.000	4.400
3/4/2024 11:28:21	1.900	1.700	7.550
3/1/2024 08:43:28	1.850	1.100	5.400
2/29/2024 10:38:23	1.350	0.800	4.500
2/29/2024 10:00:25	0.850	0.450	1.150
2/29/2024 09:54:15	0.900	0.350	1.300
2/28/2024 09:32:01	1.250	0.700	3.350
2/27/2024 09:16:47	1.000	0.700	3.200
2/26/2024 10:30:35	1.750	0.700	5.350
2/26/2024 10:00:21	2.150	0.700	5.850
2/23/2024 09:07:38	1.300	0.550	3.600
2/22/2024 08:58:48	1.150	0.850	4.300
2/21/2024 09:51:13	1.000	0.650	3.750
2/20/2024 09:59:52	1.100	1.250	3.900
2/19/2024 11:30:32	1.150	0.400	3.700
2/19/2024 11:27:00	1.800	0.500	3.150
2/19/2024 10:16:07	1.100	0.750	4.100
2/16/2024 10:28:26	1.650	0.950	5.150
2/15/2024 09:20:58	1.850	0.850	5.350
2/14/2024 09:20:12	2.050	1.150	5.600
2/13/2024 10:44:41	1.700	1.150	5.800
2/13/2024 10:29:18	1.550	0.800	2.700
2/12/2024 11:24:46	1.300	0.400	3.900
2/12/2024 11:09:08	0.150	0.150	0.350
2/12/2024 10:33:45	0.450	2.300	0.100
2/12/2024 10:19:52	1.550	0.400	1.250
2/12/2024 10:03:02	0.150	0.050	0.200
2/9/2024 09:43:26	1.600	0.400	3.200
2/8/2024 09:41:08	1.600	0.800	3.200
2/7/2024 09:08:34	1.200	0.550	3.550
2/6/2024 10:08:14	1.650	1.550	4.100
2/5/2024 16:27:35	1.100	0.550	3.400
2/2/2024 09:52:22	1.250	0.600	5.350
2/1/2024 09:29:20	1.000	0.550	5.000
1/31/2024 11:01:25	1.300	0.650	4.650
1/31/2024 10:56:52	1.200	0.800	5.700

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/30/2024 09:04:33	0.900	0.650	5.400
1/29/2024 09:09:33	1.100	0.650	4.000
1/26/2024 10:08:59	1.450	1.050	5.000
1/25/2024 09:54:25	1.350	0.850	3.950
1/24/2024 08:52:40	1.300	0.900	3.900
1/23/2024 11:08:41	1.000	0.900	3.450
1/22/2024 09:17:23	1.300	0.800	5.500
1/22/2024 09:06:26	1.750	0.650	4.050
1/19/2024 09:01:45	1.750	1.000	4.000
1/18/2024 10:29:20	1.250	0.650	3.600
1/17/2024 08:52:45	1.550	0.650	4.250
1/16/2024 14:09:54	1.450	0.650	4.150
1/16/2024 13:58:35	1.450	0.800	3.350
1/16/2024 13:45:11	1.050	0.600	3.600
1/15/2024 13:03:28	0.750	0.200	0.700
1/15/2024 10:46:25	0.800	0.100	0.400
1/15/2024 10:34:05	0.800	0.100	0.750
1/15/2024 10:25:28	1.350	0.150	0.800
1/15/2024 09:48:32	0.950	0.250	0.450
1/15/2024 09:32:45	1.050	0.350	0.600
1/11/2024 14:10:39	0.900	0.150	0.200
1/11/2024 14:00:32	0.700	0.050	0.250
1/11/2024 13:07:14	0.600	0.150	0.250
1/11/2024 12:18:32	0.550	0.050	0.400
1/11/2024 10:36:51	0.450	0.100	0.250
1/11/2024 10:28:26	0.550	0.050	0.200
1/11/2024 09:11:58	0.300	0.150	0.500
1/11/2024 09:02:27	0.700	0.200	0.500
1/11/2024 08:54:00	0.450	0.100	0.600
1/10/2024 09:10:40	1.400	1.000	4.400
1/9/2024 12:58:05	2.000	0.800	4.900
1/9/2024 12:49:35	1.200	0.450	1.750
1/9/2024 12:37:33	0.000	0.050	0.200
1/9/2024 12:22:55	0.050	0.050	0.000
1/9/2024 12:00:03	0.000	0.050	0.100
1/9/2024 11:54:42	0.000	0.000	0.050
1/9/2024 11:45:17	0.100	0.000	0.050
1/9/2024 11:40:53	0.050	0.000	0.050
1/9/2024 11:25:08	0.450	0.050	0.200
1/9/2024 11:20:04	0.250	0.100	0.200
1/8/2024 13:49:37	0.950	0.550	2.650

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/8/2024 12:34:48	0.350	0.150	0.600
1/8/2024 12:30:18	0.250	0.300	0.450
1/5/2024 09:35:49	1.250	0.450	3.900
1/4/2024 09:13:21	1.100	0.750	4.350
1/4/2024 09:00:57	1.400	0.450	2.950
1/3/2024 08:46:17	1.250	0.600	3.200
1/2/2024 11:16:48	1.350	0.300	2.800
1/2/2024 10:38:17	1.250	0.800	2.900
12/29/2023 10:12:49	0.850	0.500	3.100
12/28/2023 08:59:35	1.000	0.800	3.550
12/27/2023 12:20:02	1.000	0.600	3.150
12/27/2023 11:34:32	0.800	0.650	3.450
12/27/2023 10:51:04	1.000	0.800	3.000
12/27/2023 10:41:08	1.200	0.400	3.400
12/27/2023 10:33:50	1.500	0.650	3.500
12/27/2023 10:28:28	0.950	0.600	3.300
12/22/2023 07:49:52	0.850	0.450	2.400
12/21/2023 08:44:43	1.050	0.450	2.150
12/20/2023 09:26:41	0.600	0.350	3.500
12/19/2023 09:55:37	1.150	0.550	2.600
12/18/2023 10:16:18	0.700	0.400	2.100
12/18/2023 10:06:38	0.900	0.150	2.400
12/18/2023 10:00:26	1.150	0.200	2.950
12/15/2023 09:45:55	1.000	0.800	3.050
12/14/2023 10:23:15	0.350	0.850	2.950
12/13/2023 10:17:40	0.650	0.250	2.800
12/12/2023 09:56:00	0.950	0.600	2.700
12/11/2023 10:31:48	1.350	0.200	2.550
12/8/2023 10:10:39	0.950	0.600	3.250
12/7/2023 09:51:50	0.850	0.300	2.550
12/6/2023 10:12:37	1.050	0.750	3.550
12/5/2023 10:02:14	0.600	0.450	1.750
12/4/2023 12:08:53	0.600	0.300	2.500
12/4/2023 11:24:17	0.350	0.200	1.300
12/4/2023 11:20:06	0.500	0.250	0.850
12/4/2023 11:16:06	0.150	0.500	1.150
12/4/2023 10:23:39	0.300	0.150	1.400
12/4/2023 10:16:55	0.300	0.350	0.950
12/4/2023 10:09:27	0.400	0.300	1.100
12/1/2023 09:45:19	0.550	0.500	1.500
11/30/2023 11:48:17	0.450	0.350	1.950

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/30/2023 11:13:01	0.450	0.100	1.200
11/30/2023 11:05:44	0.500	0.050	1.150
11/30/2023 10:33:46	0.150	0.200	0.700
11/29/2023 10:04:26	0.850	0.450	2.200
11/29/2023 09:51:22	0.750	0.300	2.400
11/28/2023 12:50:37	1.000	0.550	2.650
11/28/2023 12:18:55	0.800	0.700	3.500
11/28/2023 12:15:04	0.500	0.450	3.050
11/28/2023 11:49:24	0.900	0.450	3.200
11/28/2023 10:22:53	0.650	0.350	1.800
11/28/2023 10:19:03	0.550	0.400	1.950
11/28/2023 10:15:20	0.200	0.200	1.650
11/28/2023 09:59:37	0.250	0.200	1.500
11/27/2023 10:28:48	0.300	0.200	1.850
11/27/2023 10:07:16	0.300	0.100	1.500
11/27/2023 10:01:25	0.500	0.150	1.150
11/27/2023 09:52:06	0.500	0.150	1.250
11/22/2023 09:50:47	0.500	0.300	1.700
11/21/2023 09:52:05	0.650	0.250	1.200
11/20/2023 09:38:08	0.200	0.350	1.450
11/17/2023 10:07:38	0.250	0.100	2.450
11/16/2023 09:42:56	0.350	0.350	2.750
11/15/2023 13:01:45	0.550	0.100	1.700
11/15/2023 12:33:52	0.350	0.250	0.900
11/15/2023 12:27:35	0.150	0.250	1.300
11/15/2023 12:17:35	0.400	0.200	0.900
11/15/2023 12:09:42	0.450	0.150	1.350
11/15/2023 10:39:09	0.200	0.100	1.150
11/14/2023 10:25:03	1.600	0.750	4.550
11/13/2023 09:42:07	1.000	0.350	3.300
11/10/2023 09:15:37	0.950	0.650	3.000
11/9/2023 09:55:52	0.850	0.450	2.800
11/8/2023 09:55:56	1.100	0.450	3.550
11/7/2023 10:07:52	1.150	0.800	3.850
11/7/2023 10:01:12	0.750	0.350	2.550
11/7/2023 09:55:11	1.000	0.350	3.150
11/6/2023 10:21:52	1.450	0.800	3.700
11/3/2023 09:44:39	1.250	0.600	4.000
11/2/2023 09:56:11	1.350	0.500	3.200
11/1/2023 09:41:33	1.550	0.700	4.000

Tune Parameters

Created Date	Extract 1	Extract 2	Omega Bias
12/5/2024 07:45:15	0.0 V	-195.0 V	-100 V
12/4/2024 08:35:28	0.0 V	-195.0 V	-100 V
12/3/2024 09:38:46	0.0 V	-195.0 V	-100 V
12/3/2024 09:10:25	0.0 V	-195.0 V	-100 V
12/2/2024 09:48:14	0.0 V	-200.0 V	-110 V
11/27/2024 09:18:02	0.0 V	-190.0 V	-110 V
11/27/2024 08:40:33	0.0 V	-185.0 V	-110 V
11/26/2024 07:52:41	0.0 V	-185.0 V	-110 V
11/25/2024 10:52:38	0.0 V	-170.0 V	-110 V
11/25/2024 08:43:09	0.0 V	-190.0 V	-110 V
11/25/2024 08:31:48	0.0 V	-195.0 V	-110 V
11/22/2024 06:29:21	0.0 V	-180.0 V	-110 V
11/21/2024 10:07:26	0.0 V	-185.0 V	-110 V
11/21/2024 09:58:26	0.0 V	-170.0 V	-110 V
11/21/2024 09:53:21	0.0 V	-170.0 V	-110 V
11/20/2024 08:50:13	0.0 V	-180.0 V	-90 V
11/19/2024 09:07:39	0.0 V	-190.0 V	-90 V
11/18/2024 09:11:09	0.0 V	-195.0 V	-100 V
11/15/2024 09:02:37	0.0 V	-200.0 V	-110 V
11/14/2024 09:56:47	0.0 V	-185.0 V	-100 V
11/14/2024 09:44:41	0.0 V	-190.0 V	-100 V
11/14/2024 09:39:59	0.0 V	-190.0 V	-100 V
11/14/2024 09:21:41	0.0 V	-200.0 V	-100 V
11/14/2024 09:16:53	0.0 V	-200.0 V	-100 V
11/13/2024 10:17:19	0.0 V	-185.0 V	-100 V
11/12/2024 08:42:23	0.0 V	-195.0 V	-100 V
11/12/2024 08:34:20	0.0 V	-200.0 V	-120 V
11/11/2024 09:46:29	0.0 V	-185.0 V	-100 V
11/11/2024 09:31:26	0.0 V	-190.0 V	-100 V
11/11/2024 09:09:19	0.0 V	-190.0 V	-100 V
11/8/2024 09:40:41	0.0 V	-170.0 V	-100 V
11/7/2024 12:08:43	0.0 V	-155.0 V	-90 V
11/7/2024 12:03:35	0.0 V	-155.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
11/7/2024 11:08:15	0.0 V	-160.0 V	-90 V
11/7/2024 10:32:04	0.0 V	-140.0 V	-80 V
11/7/2024 10:13:44	0.0 V	-140.0 V	-70 V
11/7/2024 09:49:05	0.0 V	-175.0 V	-100 V
11/6/2024 08:55:41	0.0 V	-200.0 V	-100 V
11/5/2024 09:02:15	0.0 V	-200.0 V	-100 V
11/4/2024 09:59:50	0.0 V	-200.0 V	-100 V
11/4/2024 09:42:34	0.0 V	-200.0 V	-100 V
11/4/2024 09:13:54	0.0 V	-185.0 V	-100 V
11/1/2024 08:59:46	0.0 V	-180.0 V	-90 V
10/31/2024 09:14:27	0.0 V	-195.0 V	-90 V
10/30/2024 16:33:14	0.0 V	-200.0 V	-100 V
10/30/2024 11:25:36	0.0 V	-200.0 V	-110 V
10/30/2024 10:54:46	0.0 V	-195.0 V	-110 V
10/30/2024 09:09:15	0.0 V	-185.0 V	-110 V
10/29/2024 11:26:39	0.0 V	-200.0 V	-100 V
10/29/2024 10:54:54	0.0 V	-200.0 V	-110 V
10/29/2024 09:36:05	0.0 V	-195.0 V	-110 V
10/29/2024 09:04:30	0.0 V	-190.0 V	-110 V
10/28/2024 12:26:28	0.0 V	-195.0 V	-100 V
10/28/2024 09:57:52	0.0 V	-180.0 V	-90 V
10/25/2024 13:22:08	0.0 V	-185.0 V	-100 V
10/25/2024 13:09:08	0.0 V	-175.0 V	-100 V
10/25/2024 10:35:56	0.0 V	-165.0 V	-70 V
10/25/2024 09:26:45	0.0 V	-145.0 V	-70 V
10/25/2024 09:03:40	0.0 V	-140.0 V	-70 V
10/24/2024 17:10:08	0.0 V	-185.0 V	-90 V
10/24/2024 11:19:48	0.0 V	-200.0 V	-90 V
10/24/2024 08:53:34	0.0 V	-200.0 V	-90 V
10/23/2024 08:59:04	0.0 V	-195.0 V	-90 V
10/22/2024 09:55:36	0.0 V	-185.0 V	-90 V
10/21/2024 09:31:04	0.0 V	-180.0 V	-90 V
10/18/2024 09:37:11	0.0 V	-200.0 V	-90 V
10/17/2024 09:00:58	0.0 V	-195.0 V	-80 V
10/16/2024 11:21:27	0.0 V	-195.0 V	-90 V
10/16/2024 09:02:59	0.0 V	-200.0 V	-100 V
10/15/2024 10:12:35	0.0 V	-175.0 V	-80 V
10/14/2024 08:46:09	0.0 V	-185.0 V	-80 V
10/11/2024 08:49:47	0.0 V	-190.0 V	-80 V
10/10/2024 08:52:01	0.0 V	-190.0 V	-80 V
10/9/2024 08:27:16	0.0 V	-195.0 V	-80 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
10/8/2024 10:52:55	0.0 V	-195.0 V	-80 V
10/8/2024 09:47:42	0.0 V	-170.0 V	-80 V
10/7/2024 10:47:10	0.0 V	-185.0 V	-80 V
10/7/2024 09:10:56	0.0 V	-180.0 V	-80 V
10/7/2024 08:55:15	0.0 V	-180.0 V	-80 V
10/4/2024 09:16:15	0.0 V	-190.0 V	-90 V
10/3/2024 09:27:44	0.0 V	-195.0 V	-80 V
10/3/2024 08:49:43	0.0 V	-195.0 V	-90 V
10/3/2024 08:29:02	0.0 V	-180.0 V	-80 V
10/2/2024 11:08:13	0.0 V	-200.0 V	-80 V
10/2/2024 08:39:41	0.0 V	-195.0 V	-90 V
10/1/2024 10:14:04	0.0 V	-175.0 V	-80 V
9/30/2024 08:49:31	0.0 V	-175.0 V	-80 V
9/27/2024 08:14:47	0.0 V	-200.0 V	-100 V
9/26/2024 08:09:12	0.0 V	-195.0 V	-90 V
9/25/2024 09:11:08	0.0 V	-200.0 V	-80 V
9/24/2024 09:35:48	0.0 V	-175.0 V	-80 V
9/23/2024 09:00:30	0.0 V	-180.0 V	-80 V
9/20/2024 09:05:28	0.0 V	-195.0 V	-80 V
9/19/2024 09:00:53	0.0 V	-195.0 V	-90 V
9/18/2024 11:34:33	0.0 V	-190.0 V	-80 V
9/18/2024 09:06:37	0.0 V	-185.0 V	-80 V
9/17/2024 12:16:40	0.0 V	-180.0 V	-80 V
9/17/2024 10:09:01	0.0 V	-170.0 V	-80 V
9/16/2024 09:06:13	0.0 V	-190.0 V	-80 V
9/13/2024 16:50:14	0.0 V	-200.0 V	-90 V
9/13/2024 08:54:29	0.0 V	-195.0 V	-80 V
9/12/2024 08:56:53	0.0 V	-190.0 V	-80 V
9/11/2024 09:06:29	0.0 V	-195.0 V	-80 V
9/10/2024 09:46:13	0.0 V	-165.0 V	-80 V
9/9/2024 08:47:13	0.0 V	-160.0 V	-70 V
9/9/2024 08:34:46	0.0 V	-155.0 V	-70 V
9/6/2024 08:58:38	0.0 V	-160.0 V	-70 V
9/5/2024 08:40:15	0.0 V	-165.0 V	-70 V
9/4/2024 08:38:45	0.0 V	-165.0 V	-70 V
9/3/2024 12:05:58	0.0 V	-170.0 V	-70 V
9/3/2024 11:05:58	0.0 V	-165.0 V	-70 V
9/3/2024 08:41:14	0.0 V	-200.0 V	-90 V
8/30/2024 08:41:51	0.0 V	-195.0 V	-90 V
8/29/2024 17:44:51	0.0 V	-190.0 V	-80 V
8/29/2024 10:01:21	0.0 V	-165.0 V	-80 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
8/28/2024 08:40:35	0.0 V	-185.0 V	-80 V
8/27/2024 08:32:46	0.0 V	-200.0 V	-80 V
8/26/2024 10:42:47	0.0 V	-185.0 V	-100 V
8/23/2024 09:05:16	0.0 V	-140.0 V	-70 V
8/22/2024 08:43:54	0.0 V	-160.0 V	-70 V
8/21/2024 08:04:13	0.0 V	-200.0 V	-80 V
8/20/2024 09:20:37	0.0 V	-190.0 V	-100 V
8/19/2024 10:25:21	0.0 V	-185.0 V	-80 V
8/19/2024 09:17:03	0.0 V	-165.0 V	-80 V
8/16/2024 08:56:38	0.0 V	-180.0 V	-80 V
8/15/2024 08:28:01	0.0 V	-165.0 V	-80 V
8/14/2024 08:24:41	0.0 V	-175.0 V	-80 V
8/13/2024 08:51:41	0.0 V	-185.0 V	-80 V
8/12/2024 09:10:43	0.0 V	-160.0 V	-80 V
8/12/2024 08:57:52	0.0 V	-180.0 V	-80 V
8/9/2024 11:39:50	0.0 V	-195.0 V	-90 V
8/9/2024 10:08:20	0.0 V	-195.0 V	-90 V
8/8/2024 08:40:39	0.0 V	-195.0 V	-90 V
8/7/2024 09:19:16	0.0 V	-195.0 V	-90 V
8/6/2024 11:12:44	0.0 V	-200.0 V	-80 V
8/6/2024 10:53:38	0.0 V	-200.0 V	-80 V
8/5/2024 10:40:17	0.0 V	-200.0 V	-80 V
8/5/2024 10:09:19	0.0 V	-200.0 V	-90 V
8/5/2024 09:55:23	0.0 V	-195.0 V	-90 V
8/2/2024 09:40:16	0.0 V	-190.0 V	-90 V
8/2/2024 08:37:48	0.0 V	-190.0 V	-90 V
8/1/2024 10:38:00	0.0 V	-180.0 V	-90 V
8/1/2024 09:06:45	0.0 V	-175.0 V	-90 V
7/31/2024 08:13:58	0.0 V	-185.0 V	-90 V
7/30/2024 08:50:51	0.0 V	-180.0 V	-90 V
7/29/2024 16:06:05	0.0 V	-190.0 V	-90 V
7/29/2024 12:07:28	0.0 V	-195.0 V	-90 V
7/29/2024 11:14:31	0.0 V	-195.0 V	-100 V
7/29/2024 10:15:21	0.0 V	-180.0 V	-90 V
7/26/2024 08:53:52	0.0 V	-190.0 V	-90 V
7/25/2024 09:09:23	0.0 V	-165.0 V	-90 V
7/24/2024 15:10:09	0.0 V	-185.0 V	-90 V
7/24/2024 08:46:25	0.0 V	-180.0 V	-90 V
7/23/2024 09:32:54	0.0 V	-180.0 V	-90 V
7/22/2024 10:18:30	0.0 V	-185.0 V	-90 V
7/19/2024 08:55:06	0.0 V	-190.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
7/18/2024 09:06:31	0.0 V	-175.0 V	-90 V
7/17/2024 13:03:52	0.0 V	-185.0 V	-90 V
7/17/2024 08:53:29	0.0 V	-185.0 V	-90 V
7/16/2024 08:54:03	0.0 V	-190.0 V	-90 V
7/15/2024 10:39:29	0.0 V	-195.0 V	-90 V
7/15/2024 10:30:38	0.0 V	-180.0 V	-90 V
7/15/2024 10:13:57	0.0 V	-180.0 V	-90 V
7/15/2024 09:02:48	0.0 V	-185.0 V	-90 V
7/12/2024 08:34:22	0.0 V	-175.0 V	-90 V
7/11/2024 09:57:22	0.0 V	-180.0 V	-80 V
7/10/2024 08:53:17	0.0 V	-150.0 V	-70 V
7/9/2024 11:54:06	0.0 V	-155.0 V	-70 V
7/9/2024 11:32:31	0.0 V	-155.0 V	-70 V
7/9/2024 11:26:38	0.0 V	-155.0 V	-70 V
7/9/2024 10:39:16	0.0 V	-155.0 V	-70 V
7/9/2024 09:17:46	0.0 V	-155.0 V	-70 V
7/9/2024 08:57:06	0.0 V	-140.0 V	-70 V
7/8/2024 09:21:55	0.0 V	-165.0 V	-80 V
7/8/2024 09:16:31	0.0 V	-160.0 V	-80 V
7/5/2024 09:03:10	0.0 V	-200.0 V	-90 V
7/3/2024 13:05:52	0.0 V	-195.0 V	-100 V
7/3/2024 11:25:40	0.0 V	-195.0 V	-90 V
7/3/2024 09:13:37	0.0 V	-195.0 V	-90 V
7/3/2024 08:44:49	0.0 V	-170.0 V	-90 V
7/2/2024 10:26:17	0.0 V	-170.0 V	-90 V
7/2/2024 08:58:12	0.0 V	-170.0 V	-90 V
7/1/2024 14:16:19	0.0 V	-190.0 V	-90 V
7/1/2024 10:01:10	0.0 V	-195.0 V	-90 V
6/28/2024 08:25:22	0.0 V	-195.0 V	-90 V
6/27/2024 08:34:14	0.0 V	-195.0 V	-90 V
6/27/2024 08:11:22	0.0 V	-175.0 V	-90 V
6/26/2024 07:54:24	0.0 V	-175.0 V	-90 V
6/25/2024 09:02:17	0.0 V	-190.0 V	-90 V
6/24/2024 09:30:27	0.0 V	-190.0 V	-90 V
6/21/2024 08:55:34	0.0 V	-200.0 V	-90 V
6/21/2024 08:22:44	0.0 V	-170.0 V	-90 V
6/20/2024 09:00:43	0.0 V	-170.0 V	-90 V
6/19/2024 07:51:31	0.0 V	-175.0 V	-90 V
6/18/2024 07:52:20	0.0 V	-175.0 V	-90 V
6/17/2024 08:58:45	0.0 V	-175.0 V	-90 V
6/14/2024 08:44:27	0.0 V	-195.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
6/13/2024 08:42:30	0.0 V	-200.0 V	-100 V
6/12/2024 09:03:47	0.0 V	-200.0 V	-100 V
6/11/2024 08:44:40	0.0 V	-185.0 V	-100 V
6/10/2024 09:31:51	0.0 V	-170.0 V	-90 V
6/10/2024 09:17:04	0.0 V	-165.0 V	-90 V
6/10/2024 09:10:07	0.0 V	-165.0 V	-90 V
6/7/2024 09:02:38	0.0 V	-165.0 V	-90 V
6/6/2024 15:20:20	0.0 V	-165.0 V	-90 V
6/6/2024 05:03:01	0.0 V	-190.0 V	-90 V
6/6/2024 04:59:28	0.0 V	-190.0 V	-90 V
6/5/2024 08:30:26	0.0 V	-190.0 V	-90 V
6/4/2024 08:52:51	0.0 V	-200.0 V	-90 V
6/4/2024 08:39:35	0.0 V	-200.0 V	-100 V
6/4/2024 08:33:37	0.0 V	-200.0 V	-100 V
6/3/2024 10:10:17	0.0 V	-200.0 V	-100 V
6/3/2024 09:51:43	0.0 V	-175.0 V	-100 V
6/3/2024 09:44:54	0.0 V	-175.0 V	-100 V
6/3/2024 09:30:49	0.0 V	-175.0 V	-100 V
5/31/2024 08:42:32	0.0 V	-200.0 V	-100 V
5/30/2024 09:08:46	0.0 V	-200.0 V	-100 V
5/29/2024 09:04:40	0.0 V	-200.0 V	-100 V
5/29/2024 08:48:40	0.0 V	-170.0 V	-80 V
5/29/2024 08:44:08	0.0 V	-170.0 V	-80 V
5/28/2024 09:34:37	0.0 V	-170.0 V	-80 V
5/24/2024 07:20:01	0.0 V	-200.0 V	-90 V
5/23/2024 10:25:13	0.0 V	-200.0 V	-90 V
5/22/2024 09:45:06	0.0 V	-200.0 V	-90 V
5/21/2024 09:06:58	0.0 V	-200.0 V	-90 V
5/21/2024 08:01:17	0.0 V	-200.0 V	-100 V
5/20/2024 17:22:27	0.0 V	-200.0 V	-100 V
5/20/2024 17:18:56	0.0 V	-200.0 V	-100 V
5/20/2024 09:20:56	0.0 V	-200.0 V	-100 V
5/17/2024 09:12:39	0.0 V	-200.0 V	-100 V
5/16/2024 08:56:23	0.0 V	-200.0 V	-100 V
5/15/2024 09:38:13	0.0 V	-200.0 V	-100 V
5/15/2024 09:21:01	0.0 V	-190.0 V	-90 V
5/14/2024 09:41:16	0.0 V	-190.0 V	-90 V
5/14/2024 09:04:40	0.0 V	-190.0 V	-90 V
5/13/2024 09:04:44	0.0 V	-190.0 V	-90 V
5/10/2024 08:57:17	0.0 V	-190.0 V	-90 V
5/9/2024 09:06:46	0.0 V	-190.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
5/9/2024 08:50:21	0.0 V	-190.0 V	-90 V
5/9/2024 08:44:20	0.0 V	-190.0 V	-90 V
5/8/2024 09:39:10	0.0 V	-190.0 V	-90 V
5/7/2024 17:05:39	0.0 V	-195.0 V	-100 V
5/7/2024 16:48:43	0.0 V	-195.0 V	-100 V
5/7/2024 09:19:24	0.0 V	-195.0 V	-100 V
5/6/2024 09:15:59	0.0 V	-195.0 V	-100 V
5/6/2024 09:03:10	0.0 V	-195.0 V	-100 V
5/3/2024 09:11:06	0.0 V	-195.0 V	-100 V
5/2/2024 09:48:24	0.0 V	-190.0 V	-100 V
5/1/2024 09:22:54	0.0 V	-185.0 V	-100 V
4/30/2024 10:43:56	0.0 V	-185.0 V	-100 V
4/30/2024 08:17:01	0.0 V	-185.0 V	-100 V
4/29/2024 09:10:57	0.0 V	-185.0 V	-100 V
4/29/2024 08:57:45	0.0 V	-185.0 V	-100 V
4/26/2024 08:09:31	0.0 V	-185.0 V	-100 V
4/25/2024 09:37:51	0.0 V	-185.0 V	-100 V
4/24/2024 09:17:24	0.0 V	-195.0 V	-100 V
4/23/2024 22:46:11	0.0 V	-195.0 V	-100 V
4/23/2024 09:01:59	0.0 V	-195.0 V	-100 V
4/22/2024 10:16:34	0.0 V	-195.0 V	-100 V
4/19/2024 10:59:00	0.0 V	-200.0 V	-100 V
4/19/2024 10:07:48	0.0 V	-200.0 V	-110 V
4/19/2024 09:10:32	0.0 V	-180.0 V	-100 V
4/18/2024 09:24:23	0.0 V	-180.0 V	-100 V
4/17/2024 17:03:53	0.0 V	-180.0 V	-100 V
4/17/2024 16:22:27	0.0 V	-180.0 V	-100 V
4/17/2024 09:09:54	0.0 V	-180.0 V	-100 V
4/16/2024 09:06:44	0.0 V	-200.0 V	-100 V
4/15/2024 09:14:49	0.0 V	-200.0 V	-100 V
4/12/2024 08:28:21	0.0 V	-200.0 V	-100 V
4/11/2024 08:35:01	0.0 V	-200.0 V	-100 V
4/10/2024 09:48:58	0.0 V	-195.0 V	-100 V
4/9/2024 08:56:49	0.0 V	-195.0 V	-100 V
4/8/2024 09:25:48	0.0 V	-195.0 V	-100 V
4/5/2024 08:28:47	0.0 V	-195.0 V	-100 V
4/4/2024 11:00:01	0.0 V	-190.0 V	-90 V
4/4/2024 10:45:12	0.0 V	-200.0 V	-90 V
4/3/2024 08:29:42	0.0 V	-200.0 V	-90 V
4/2/2024 09:43:44	0.0 V	-195.0 V	-90 V
4/1/2024 09:27:15	0.0 V	-195.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
3/29/2024 08:53:28	0.0 V	-195.0 V	-90 V
3/28/2024 09:08:20	0.0 V	-195.0 V	-90 V
3/27/2024 16:48:32	0.0 V	-195.0 V	-90 V
3/27/2024 10:07:18	0.0 V	-195.0 V	-90 V
3/27/2024 08:49:30	0.0 V	-195.0 V	-90 V
3/26/2024 10:28:06	0.0 V	-195.0 V	-90 V
3/25/2024 10:10:30	0.0 V	-200.0 V	-100 V
3/22/2024 09:00:45	0.0 V	-190.0 V	-100 V
3/21/2024 08:44:31	0.0 V	-190.0 V	-100 V
3/20/2024 09:03:42	0.0 V	-190.0 V	-100 V
3/19/2024 13:23:15	0.0 V	-190.0 V	-100 V
3/19/2024 09:31:32	0.0 V	-190.0 V	-100 V
3/18/2024 10:47:35	0.0 V	-190.0 V	-100 V
3/15/2024 09:19:25	0.0 V	-200.0 V	-90 V
3/14/2024 09:13:05	0.0 V	-200.0 V	-90 V
3/13/2024 09:22:30	0.0 V	-200.0 V	-90 V
3/12/2024 09:10:39	0.0 V	-200.0 V	-90 V
3/11/2024 11:07:32	0.0 V	-200.0 V	-90 V
3/11/2024 09:31:05	0.0 V	-195.0 V	-100 V
3/11/2024 09:27:33	0.0 V	-195.0 V	-100 V
3/8/2024 08:29:13	0.0 V	-200.0 V	-100 V
3/7/2024 17:46:09	0.0 V	-200.0 V	-100 V
3/7/2024 13:19:13	0.0 V	-200.0 V	-100 V
3/7/2024 09:28:32	0.0 V	-200.0 V	-100 V
3/7/2024 09:11:32	0.0 V	-200.0 V	-100 V
3/7/2024 09:01:08	0.0 V	-200.0 V	-100 V
3/6/2024 10:19:40	0.0 V	-200.0 V	-100 V
3/5/2024 10:15:16	0.0 V	-200.0 V	-100 V
3/5/2024 10:09:01	0.0 V	-200.0 V	-100 V
3/4/2024 11:41:00	0.0 V	-200.0 V	-100 V
3/4/2024 11:28:21	0.0 V	-200.0 V	-100 V
3/1/2024 08:43:28	0.0 V	-200.0 V	-120 V
2/29/2024 10:38:23	0.0 V	-200.0 V	-120 V
2/29/2024 10:00:25	0.0 V	-160.0 V	-110 V
2/29/2024 09:54:15	0.0 V	-160.0 V	-110 V
2/28/2024 09:32:01	0.0 V	-200.0 V	-100 V
2/27/2024 09:16:47	0.0 V	-200.0 V	-100 V
2/26/2024 10:30:35	0.0 V	-200.0 V	-100 V
2/26/2024 10:00:21	0.0 V	-200.0 V	-110 V
2/23/2024 09:07:38	0.0 V	-200.0 V	-110 V
2/22/2024 08:58:48	0.0 V	-200.0 V	-110 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
2/21/2024 09:51:13	0.0 V	-200.0 V	-110 V
2/20/2024 09:59:52	0.0 V	-200.0 V	-110 V
2/19/2024 11:30:32	0.0 V	-200.0 V	-110 V
2/19/2024 11:27:00	0.0 V	-200.0 V	-110 V
2/19/2024 10:16:07	0.0 V	-200.0 V	-120 V
2/16/2024 10:28:26	0.0 V	-200.0 V	-120 V
2/15/2024 09:20:58	0.0 V	-200.0 V	-120 V
2/14/2024 09:20:12	0.0 V	-200.0 V	-120 V
2/13/2024 10:44:41	0.0 V	-200.0 V	-120 V
2/13/2024 10:29:18	0.0 V	-200.0 V	-120 V
2/12/2024 11:24:46	0.0 V	-200.0 V	-120 V
2/12/2024 11:09:08	0.0 V	-175.0 V	-120 V
2/12/2024 10:33:45	0.0 V	-175.0 V	-120 V
2/12/2024 10:19:52	0.0 V	-175.0 V	-120 V
2/12/2024 10:03:02	0.0 V	-200.0 V	-100 V
2/9/2024 09:43:26	0.0 V	-200.0 V	-100 V
2/8/2024 09:41:08	0.0 V	-200.0 V	-100 V
2/7/2024 09:08:34	0.0 V	-200.0 V	-100 V
2/6/2024 10:08:14	0.0 V	-200.0 V	-100 V
2/5/2024 16:27:35	0.0 V	-200.0 V	-120 V
2/2/2024 09:52:22	0.0 V	-200.0 V	-90 V
2/1/2024 09:29:20	0.0 V	-200.0 V	-90 V
1/31/2024 11:01:25	0.0 V	-200.0 V	-90 V
1/31/2024 10:56:52	0.0 V	-200.0 V	-90 V
1/30/2024 09:04:33	0.0 V	-200.0 V	-90 V
1/29/2024 09:09:33	0.0 V	-200.0 V	-90 V
1/26/2024 10:08:59	0.0 V	-200.0 V	-90 V
1/25/2024 09:54:25	0.0 V	-200.0 V	-90 V
1/24/2024 08:52:40	0.0 V	-200.0 V	-90 V
1/23/2024 11:08:41	0.0 V	-200.0 V	-90 V
1/22/2024 09:17:23	0.0 V	-200.0 V	-90 V
1/22/2024 09:06:26	0.0 V	-200.0 V	-100 V
1/19/2024 09:01:45	0.0 V	-200.0 V	-100 V
1/18/2024 10:29:20	0.0 V	-200.0 V	-100 V
1/17/2024 08:52:45	0.0 V	-200.0 V	-100 V
1/16/2024 14:09:54	0.0 V	-200.0 V	-100 V
1/16/2024 13:58:35	0.0 V	-200.0 V	-100 V
1/16/2024 13:45:11	0.0 V	-200.0 V	-100 V
1/15/2024 13:03:28	0.0 V	-200.0 V	-120 V
1/15/2024 10:46:25	0.0 V	-200.0 V	-120 V
1/15/2024 10:34:05	0.0 V	-200.0 V	-120 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
1/15/2024 10:25:28	0.0 V	-200.0 V	-120 V
1/15/2024 09:48:32	0.0 V	-200.0 V	-120 V
1/15/2024 09:32:45	0.0 V	-200.0 V	-120 V
1/11/2024 14:10:39	0.0 V	-200.0 V	-120 V
1/11/2024 14:00:32	0.0 V	-200.0 V	-120 V
1/11/2024 13:07:14	0.0 V	-200.0 V	-120 V
1/11/2024 12:18:32	0.0 V	-200.0 V	-120 V
1/11/2024 10:36:51	0.0 V	-200.0 V	-120 V
1/11/2024 10:28:26	0.0 V	-185.0 V	-110 V
1/11/2024 09:11:58	0.0 V	-155.0 V	-100 V
1/11/2024 09:02:27	0.0 V	-150.0 V	-80 V
1/11/2024 08:54:00	0.0 V	-150.0 V	-80 V
1/10/2024 09:10:40	0.0 V	-200.0 V	-90 V
1/9/2024 12:58:05	0.0 V	-200.0 V	-120 V
1/9/2024 12:49:35	0.0 V	-200.0 V	-120 V
1/9/2024 12:37:33	0.0 V	-165.0 V	-100 V
1/9/2024 12:22:55	0.0 V	-165.0 V	-100 V
1/9/2024 12:00:03	0.0 V	-165.0 V	-100 V
1/9/2024 11:54:42	0.0 V	-165.0 V	-100 V
1/9/2024 11:45:17	0.0 V	-165.0 V	-100 V
1/9/2024 11:40:53	0.0 V	-165.0 V	-100 V
1/9/2024 11:25:08	0.0 V	-165.0 V	-100 V
1/9/2024 11:20:04	0.0 V	-165.0 V	-100 V
1/8/2024 13:49:37	0.0 V	-200.0 V	-100 V
1/8/2024 12:34:48	0.0 V	-140.0 V	-80 V
1/8/2024 12:30:18	0.0 V	-140.0 V	-80 V
1/5/2024 09:35:49	0.0 V	-180.0 V	-80 V
1/4/2024 09:13:21	0.0 V	-170.0 V	-80 V
1/4/2024 09:00:57	0.0 V	-160.0 V	-80 V
1/3/2024 08:46:17	0.0 V	-200.0 V	-100 V
1/2/2024 11:16:48	0.0 V	-200.0 V	-90 V
1/2/2024 10:38:17	0.0 V	-200.0 V	-100 V
12/29/2023 10:12:49	0.0 V	-200.0 V	-100 V
12/28/2023 08:59:35	0.0 V	-200.0 V	-90 V
12/27/2023 12:20:02	0.0 V	-200.0 V	-90 V
12/27/2023 11:34:32	0.0 V	-200.0 V	-90 V
12/27/2023 10:51:04	0.0 V	-200.0 V	-90 V
12/27/2023 10:41:08	0.0 V	-200.0 V	-90 V
12/27/2023 10:33:50	0.0 V	-200.0 V	-90 V
12/27/2023 10:28:28	0.0 V	-200.0 V	-90 V
12/22/2023 07:49:52	0.0 V	-195.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
12/21/2023 08:44:43	0.0 V	-200.0 V	-90 V
12/20/2023 09:26:41	0.0 V	-200.0 V	-100 V
12/19/2023 09:55:37	0.0 V	-200.0 V	-100 V
12/18/2023 10:16:18	0.0 V	-200.0 V	-100 V
12/18/2023 10:06:38	0.0 V	-185.0 V	-90 V
12/18/2023 10:00:26	0.0 V	-185.0 V	-90 V
12/15/2023 09:45:55	0.0 V	-200.0 V	-90 V
12/14/2023 10:23:15	0.0 V	-200.0 V	-90 V
12/13/2023 10:17:40	0.0 V	-200.0 V	-90 V
12/12/2023 09:56:00	0.0 V	-200.0 V	-90 V
12/11/2023 10:31:48	0.0 V	-200.0 V	-90 V
12/8/2023 10:10:39	0.0 V	-200.0 V	-100 V
12/7/2023 09:51:50	0.0 V	-190.0 V	-80 V
12/6/2023 10:12:37	0.0 V	-200.0 V	-100 V
12/5/2023 10:02:14	0.0 V	-200.0 V	-80 V
12/4/2023 12:08:53	0.0 V	-180.0 V	-90 V
12/4/2023 11:24:17	0.0 V	-145.0 V	-70 V
12/4/2023 11:20:06	0.0 V	-145.0 V	-70 V
12/4/2023 11:16:06	0.0 V	-145.0 V	-70 V
12/4/2023 10:23:39	0.0 V	-145.0 V	-70 V
12/4/2023 10:16:55	0.0 V	-170.0 V	-90 V
12/4/2023 10:09:27	0.0 V	-145.0 V	-70 V
12/1/2023 09:45:19	0.0 V	-155.0 V	-80 V
11/30/2023 11:48:17	0.0 V	-155.0 V	-80 V
11/30/2023 11:13:01	0.0 V	-150.0 V	-80 V
11/30/2023 11:05:44	0.0 V	-160.0 V	-90 V
11/30/2023 10:33:46	0.0 V	-170.0 V	-90 V
11/29/2023 10:04:26	0.0 V	-195.0 V	-100 V
11/29/2023 09:51:22	0.0 V	-190.0 V	-80 V
11/28/2023 12:50:37	0.0 V	-200.0 V	-80 V
11/28/2023 12:18:55	0.0 V	-175.0 V	-80 V
11/28/2023 12:15:04	0.0 V	-175.0 V	-80 V
11/28/2023 11:49:24	0.0 V	-170.0 V	-80 V
11/28/2023 10:22:53	0.0 V	-165.0 V	-80 V
11/28/2023 10:19:03	0.0 V	-165.0 V	-80 V
11/28/2023 10:15:20	0.0 V	-165.0 V	-80 V
11/28/2023 09:59:37	0.0 V	-170.0 V	-70 V
11/27/2023 10:28:48	0.0 V	-165.0 V	-80 V
11/27/2023 10:07:16	0.0 V	-185.0 V	-100 V
11/27/2023 10:01:25	0.0 V	-185.0 V	-100 V
11/27/2023 09:52:06	0.0 V	-185.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
11/22/2023 09:50:47	0.0 V	-155.0 V	-80 V
11/21/2023 09:52:05	0.0 V	-155.0 V	-80 V
11/20/2023 09:38:08	0.0 V	-150.0 V	-80 V
11/17/2023 10:07:38	0.0 V	-175.0 V	-90 V
11/16/2023 09:42:56	0.0 V	-180.0 V	-90 V
11/15/2023 13:01:45	0.0 V	-170.0 V	-90 V
11/15/2023 12:33:52	0.0 V	-175.0 V	-90 V
11/15/2023 12:27:35	0.0 V	-175.0 V	-90 V
11/15/2023 12:17:35	0.0 V	-175.0 V	-90 V
11/15/2023 12:09:42	0.0 V	-170.0 V	-90 V
11/15/2023 10:39:09	0.0 V	-175.0 V	-90 V
11/14/2023 10:25:03	0.0 V	-200.0 V	-90 V
11/13/2023 09:42:07	0.0 V	-200.0 V	-90 V
11/10/2023 09:15:37	0.0 V	-200.0 V	-90 V
11/9/2023 09:55:52	0.0 V	-200.0 V	-90 V
11/8/2023 09:55:56	0.0 V	-200.0 V	-100 V
11/7/2023 10:07:52	0.0 V	-200.0 V	-120 V
11/7/2023 10:01:12	0.0 V	-195.0 V	-90 V
11/7/2023 09:55:11	0.0 V	-195.0 V	-90 V
11/6/2023 10:21:52	0.0 V	-200.0 V	-100 V
11/3/2023 09:44:39	0.0 V	-200.0 V	-120 V
11/2/2023 09:56:11	0.0 V	-200.0 V	-90 V
11/1/2023 09:41:33	0.0 V	-195.0 V	-90 V

Internal Standards

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_241205J

CCV Name: CAL BLANK

Run No: 96129

CCV SeqNo: 2005933

Lab File ID (Standard): 003CALB.d

Date Analyzed: 12/5/2024

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 11:12

GC Column: ID (mm): Length (M):

		IS1 Lithium 6 AREA #	RT #	IS2 Scandium AREA #	RT #	IS3 Germanium AREA #	RT #	IS4 Indium AREA #	RT #
	12 HOUR STD	172255.5	0.000	108016.29	0.000	74452.81	0.000	737359.36	0.000
	UPPER LIMIT	861277.5	1.000	540081.45	1.000	372264.05	1.000	3686796.8	1.000
	LOWER LIMIT	51677	-1.000	32405	-1.000	22336	-1.000	221208	-1.000
	SAMPLE NO.								
01	ICV	153413	0	107650	0	73940.1	0	723793	0
02	ICSA	163281	0	105779	0	71527.4	0	695779	0
03	CCV-A	170655	0	111475	0	75741.9	0	745148	0
04	CCB-A	163655	0	110277	0	74388.5	0	741134	0
05	MB-46042	225972	0	101642	0	75646	0	754532	0
06	LCS-46042	216785	0	103630	0	72002.6	0	717165	0
07	2411524-001C	223723	0	100808	0	74387.2	0	735032	0
08	CCV-B	197861	0	106225	0	73701.7	0	725604	0
09	CCB-B	190230	0	105109	0	72670	0	734260	0
10	LCS-46042	186927	0	105813	0	73785.3	0	726609	0
11	2411524-001CDUP	203835	0	101592	0	75563	0	743276	0
12	2411524-001CMS	204278	0	105530	0	74388.5	0	737139	0
13	2411524-001CMSD	206157	0	105442	0	75906.7	0	737302	0
14	2411524-001CMSDIL	198384	0	108670	0	72395.3	0	723753	0
15	2411524-002C	200993	0	102506	0	76243.3	0	742073	0
16	2411524-003C	204109	0	104351	0	75083.6	0	744059	0
17	2411524-004C	201010	0	104497	0	75810.9	0	741468	0
18	2411524-005C	201751	0	102848	0	75269.9	0	745420	0
19	2411524-006C	206275	0	101042	0	74969	0	722654	0
20	CCV-C	211083	0	108063	0	74636.6	0	728364	0
21	CCB-C	195668	0	106638	0	73442.1	0	729094	0
22	2411524-007C	207347	0	101974	0	74838.2	0	737221	0
23	2411524-008C	212700	0	110704	0	75149.9	0	733847	0
24	2411524-009C	220761	0	106407	0	74208.9	0	733512	0
25	2411524-010C	220441	0	107836	0	74906	0	725914	0
26	2411524-011C	218952	0	105779	0	75121.1	0	734516	0
27	2411524-012C	228301	0	106269	0	74755.8	0	733833	0
28	2411560-001E	222477	0	103589	0	74584.3	0	713929	0
29	2411560-002E	240416	0	101391	0	73886.5	0	711013	0
30	2411560-003E	253739	0	100420	0	72983.1	0	704116	0
31	2411560-004E	266012	0	97972.6	0	72898.6	0	699541	0
32	CCV-D	270609	0	101241	0	70545	0	718250	0
33	CCB-D	261592	0	99740.2	0	70251.6	0	716253	0
34	2411524-001CMS	272353	0	99104.3	0	71581	0	723359	0
35	2411524-001CMSD	258958	0	100867	0	72729.8	0	718921	0
36	LDR	245904	0	101517	0	69101.7	0	621171	0
37	CCV-E	243889	0	97676.9	0	68928.2	0	700126	0
38	CCB-E	238430	0	97275.4	0	68395.6	0	697295	0

IS1 Lithium 6 = Lithium 6

IS2 Scandium = Scandium

IS3 Germanium = germanium

IS4 Indium = Indium

RunID:	ICP-MS 2 AGILENT 7850_241205J	CCV Name:	CAL BLANK
Run No:	96129	CCV SeqNo:	2005933
Lab File ID (Standard):	003CALB.d	Date Analyzed:	12/5/2024
Instrument ID:	ICP-MS 2 Agilent 7850	Time Analyzed:	11:12
GC Column:	ID (mm):	Length (M):	

AREA UPPER LIMIT = +400% of internal standard area
AREA LOWER LIMIT = -70% of internal standard area
RT UPPER LIMIT = +1.00 minutes of internal standard RT
RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_241205J

Run No: 96129

Lab File ID (Standard): 003CALB.d

Instrument ID: ICP-MS 2 Agilent 7850

GC Column: ID (mm):

CCV Name: CAL BLANK

CCV SeqNo: 2005933

Date Analyzed: 12/5/2024

Time Analyzed: 11:12

Length (M):

		IS5 Terbium AREA #	RT #						
	12 HOUR STD	1618438.21	0.000						
	UPPER LIMIT	8092191.05	1.000						
	LOWER LIMIT	485531	-1.000						
	SAMPLE NO.								
01	CCV-A	1.67232e+006	0						
02	CCB-A	1.64651e+006	0						
03	ICV	1.62531e+006	0						
04	ICSA	1.58257e+006	0						
05	MB-46042	1.68314e+006	0						
06	LCS-46042	1.65196e+006	0						
07	2411524-001C	1.67736e+006	0						
08	CCV-B	1.65074e+006	0						
09	CCB-B	1.65915e+006	0						
10	LCS-46042	1.65008e+006	0						
11	2411524-001CDUP	1.67568e+006	0						
12	2411524-001CMS	1.6733e+006	0						
13	2411524-001CMSD	1.66339e+006	0						
14	2411524-001CMSDIL	1.6348e+006	0						
15	2411524-002C	1.66995e+006	0						
16	2411524-003C	1.66983e+006	0						
17	2411524-004C	1.66337e+006	0						
18	2411524-005C	1.66176e+006	0						
19	2411524-006C	1.65586e+006	0						
20	CCV-C	1.6313e+006	0						
21	CCB-C	1.6238e+006	0						
22	2411524-007C	1.65705e+006	0						
23	2411524-008C	1.66299e+006	0						
24	2411524-009C	1.67342e+006	0						
25	2411524-010C	1.65851e+006	0						
26	2411524-011C	1.65919e+006	0						
27	2411524-012C	1.65637e+006	0						
28	2411560-001E	1.64165e+006	0						
29	2411560-002E	1.63876e+006	0						
30	2411560-003E	1.63672e+006	0						
31	2411560-004E	1.63479e+006	0						
32	CCV-D	1.63877e+006	0						
33	CCB-D	1.63222e+006	0						
34	2411524-001CMS	1.6542e+006	0						
35	2411524-001CMSD	1.65407e+006	0						
36	LDR	1.57641e+006	0						
37	CCV-E	1.61413e+006	0						
38	CCB-E	1.61895e+006	0						

IS5 Terbium = Terbium

INTERNAL STANDARD AREA AND RT SUMMARY

RunID:	ICP-MS 2 AGILENT 7850_241205J	CCV Name:	CAL BLANK
Run No:	96129	CCV SeqNo:	2005933
Lab File ID (Standard):	003CALB.d	Date Analyzed:	12/5/2024
Instrument ID:	ICP-MS 2 Agilent 7850	Time Analyzed:	11:12
GC Column:	ID (mm):	Length (M):	

AREA UPPER LIMIT = +400% of internal standard area
AREA LOWER LIMIT = -70% of internal standard area
RT UPPER LIMIT = +1.00 minutes of internal standard RT
RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Supporting Data

3010A Dissolved Metals in Water Prep Bench Sheet

Analyst:	Connor Grewell
Date and Time:	12/5/2024
Batch:	466417

Equipment	
Pipette:	42
Other:	

Final Volume Before Analysis	10mL

Spikes / Chemicals / Reagents	Omega ID	Amount Used
Metals Water Spike	30754	0.2 mL
EAL-STD-2	30570	0.1 mL
500 ppb Hg Standard	30675	0.05 mL
10mL Tubes	8470	
pH Strips	30594	

Notes/Modifications

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date
	CG 12/5/2024

Samples verified pH < 2	Initial/Date
	CG 12/5/2024

Sign and date below if you contributed to this preparation batch

Dilutions	
Sample ID	Dilution Description

Signature: ADK
3010A-D Prep Bench Sheet v1.41

Official Approval: 2/6/24

Fremont Analytical, Inc

PREP BATCH REPORT

Prep Start Date: **12/5/2024 7:17:03 A**
Prep End Date:
Technician: **Cammeo Gaviota**

Prep Factor Units: **mL / mL**

Prep Batch ID: **46042** Prep Code: **PREP-3010-D** Method No: **SW3010A**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46042		Aqueous	10	10	1.000	12/5/2024	Preliminary
LCS-46042		Aqueous	10	10	1.000	12/5/2024	Preliminary
2411524-001C	MW-11-112524	Groundwater	10	10	1.000	12/5/2024	Preliminary
2411524-001CDUP		Groundwater	10	10	1.000	12/5/2024	Preliminary
2411524-001CMS		Groundwater	10	10	1.000	12/5/2024	Preliminary
2411524-001CMSD		Groundwater	10	10	1.000	12/5/2024	Preliminary
2411524-002C	MW-12-112524	Groundwater	10	10	1.000	12/5/2024	Preliminary
2411524-003C	MW-10-112524	Groundwater	10	10	1.000	12/5/2024	Preliminary
2411524-004C	MW-20-112524	Groundwater	10	10	1.000	12/5/2024	Preliminary
2411524-005C	MW-4A-112524	Groundwater	10	10	1.000	12/5/2024	Preliminary
2411524-006C	MW-09-112524	Groundwater	10	10	1.000	12/5/2024	Preliminary
2411524-007C	MW-08-112524	Groundwater	10	10	1.000	12/5/2024	Preliminary
2411524-008C	MW-13-112524	Groundwater	10	10	1.000	12/5/2024	Preliminary
2411524-009C	MW-14-112524	Groundwater	10	10	1.000	12/5/2024	Preliminary
2411524-010C	SW-02-112524	Groundwater	10	10	1.000	12/5/2024	Preliminary
2411524-011C	SW-03-112524	Groundwater	10	10	1.000	12/5/2024	Preliminary
2411524-012C	SW-04-112524	Groundwater	10	10	1.000	12/5/2024	Preliminary
2411560-001E	GEI-11-112624	Water	10	10	1.000	12/5/2024	Preliminary
2411560-002E	GEI-12-112624	Water	10	10	1.000	12/5/2024	Preliminary
2411560-003E	GEI-13-112624	Water	10	10	1.000	12/5/2024	Preliminary
2411560-004E	DUP-112624	Water	10	10	1.000	12/5/2024	Preliminary

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **12/5/2024 7:17:03 A**
Prep End Date: **12/5/2024 3:33:24 P**
Technician: **Cammeo Gaviota**

Prep Factor Units: **mL / mL**

Prep Batch ID: **46042** Prep Code: **PREP-3010-D** Method No: **SW3010A**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46042		Aqueous	10	10	1.000	12/5/2024	12/5/2024
LCS-46042		Aqueous	10	10	1.000	12/5/2024	12/5/2024
2411524-001C	MW-11-112524	Groundwater	10	10	1.000	12/5/2024	12/5/2024
2411524-001CDUP		Groundwater	10	10	1.000	12/5/2024	12/5/2024
2411524-001CMS		Groundwater	10	10	1.000	12/5/2024	12/5/2024
2411524-001CMSD		Groundwater	10	10	1.000	12/5/2024	12/5/2024
2411524-002C	MW-12-112524	Groundwater	10	10	1.000	12/5/2024	12/5/2024
2411524-003C	MW-10-112524	Groundwater	10	10	1.000	12/5/2024	12/5/2024
2411524-004C	MW-20-112524	Groundwater	10	10	1.000	12/5/2024	12/5/2024
2411524-005C	MW-4A-112524	Groundwater	10	10	1.000	12/5/2024	12/5/2024
2411524-006C	MW-09-112524	Groundwater	10	10	1.000	12/5/2024	12/5/2024
2411524-007C	MW-08-112524	Groundwater	10	10	1.000	12/5/2024	12/5/2024
2411524-008C	MW-13-112524	Groundwater	10	10	1.000	12/5/2024	12/5/2024
2411524-009C	MW-14-112524	Groundwater	10	10	1.000	12/5/2024	12/5/2024
2411524-010C	SW-02-112524	Groundwater	10	10	1.000	12/5/2024	12/5/2024
2411524-011C	SW-03-112524	Groundwater	10	10	1.000	12/5/2024	12/5/2024
2411524-012C	SW-04-112524	Groundwater	10	10	1.000	12/5/2024	12/5/2024
2411560-001E	GEI-11-112624	Water	10	10	1.000	12/5/2024	12/5/2024
2411560-002E	GEI-12-112624	Water	10	10	1.000	12/5/2024	12/5/2024
2411560-003E	GEI-13-112624	Water	10	10	1.000	12/5/2024	12/5/2024
2411560-004E	DUP-112624	Water	10	10	1.000	12/5/2024	12/5/2024

Reporting Checklist

Analyst: Melanie
Workorder(s): 2411524, 560
Date: 12/05/2024
Prep #: 46042
Run(s) #: 96129
Analysis: M-6020-D

Y/N		Reviewed
Y	**Run complete? (i.e., all QC, samples, dilutions present)**	
N	**All QC within limits?** ☐ Exceedances acceptable per QA Manual and/or Auth'd by PM____?	

☐CCV out ☑LCS out ☑MS out ☐Blank hits ☐IS/surr out ☐RPD out
☐Hold time ☑Other LLCV- Fe

Ok'ed slightly low LLCV with MWDL
LCS/MS/MSD double spiked for STD-2 and not spiked for Hg. Re-prepped, LCS failed high for Hg but samples are non-detect

N Any pending dilutions, re-extracts, or reanalysis to be completed in future run?

N/A **Manual entries/narratives reviewed for accuracy? (note below)** Analyst: Reviewer:

✔ **Omega checks performed?**
- ✔ SampID, Test Code, Type, Prep
- ✔ PMOIST, pH
- ✔ BLKref, SPKref, RPDref, CCVref
- ✔ Attachments
  - ☐Sequence ☐Cgrams ☑Bench Sheets ☐Perf Checks ☑Tech Doc
- ✔ Related Info
  - ☐ICAL Ref ☐ICAL Ack/QA'd? ☑Spiking Info/CCV Std ☐_____
- ✔ Reporting Checks
  - ☐Dilutions data/narr redundancy check ☐RLs OK (low wt, high pmoist, dilutions)

Notes for Reviewer

LDR

524-8C Fe, Mn
524-10C Fe

By signing, I attest that I have followed the SOP

Melanie Esparza 12/05/2024 — Analyst / Date

MG 12/5/2024 — Reviewer / Date

DATA SET for Review - Deliverable Requirements

Gasoline by NWTPH-Gx

Alliance Technical Group Work Order No. 2411560

GeoEngineers

Project Name: 701/709 South Jackson

Project Number: 24504-001-04

This data set contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information
- Internal Standards Report

Injection Log

Data Directory: D:\GC-19\Data\120324\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 120301.D	8260_90to1.M			
R	O-VOC-W		1.000	03 Dec 2024 08:22 am
2) 120302.D	8260_90to1.M			
2412001-002A	O-VOC-W	19	1.000	03 Dec 2024 08:55 am
3) 120303.D	8260_90to1.M			
R	O-VOC-W		1.000	03 Dec 2024 09:27 am
4) 120304.D	8260_90to1.M			
R	O-VOC-W		1.000	03 Dec 2024 09:59 am
5) 120305.D	8260_90to1.M			
2412001-002A 1000X	O-VOC-W	23	1.000	03 Dec 2024 10:32 am
6) 120306.D	8260_90to1.M			
2412001-004A	O-VOC-W	20	1.000	03 Dec 2024 11:05 am
7) 120307.D	8260_90to1.M			
R	O-VOC-W		1.000	03 Dec 2024 11:37 am
8) 120308.D	8260_90to1.M			
2412001-004A 50X	O-VOC-W	24	1.000	03 Dec 2024 12:10 pm
9) 120309.D	8260_90to1.M			
2412001-001A 50X	O-VOC-W	21	1.000	03 Dec 2024 12:43 pm
10) 120310.D	8260_90to1.M			
R	O-VOC-W		1.000	03 Dec 2024 01:15 pm
11) 120311.D	8260_90to1.M			
2412001-003A 50X	O-VOC-W	22	1.000	03 Dec 2024 01:48 pm
12) 120312.D	8260_90to1.M			
R	O-VOC-W		1.000	03 Dec 2024 02:20 pm
13) 120313.D	8260_90to1.M			
VOC W CCV A	O-VOC-W	25	1.000	03 Dec 2024 02:53 pm
14) 120314.D	8260_90to1.M			
GX CCV A	O-VOC-W	26	1.000	03 Dec 2024 03:26 pm
15) 120315.D	8260_90to1.M			
RARE CCV	O-VOC-W	27	1.000	03 Dec 2024 03:59 pm
16) 120316.D	8260_90to1.M			
R	O-VOC-W		1.000	03 Dec 2024 04:31 pm
17) 120317.D	8260_90to1.M			
MB W	O-VOC-W	28	1.000	03 Dec 2024 05:04 pm
18) 120318.D	8260_90to1.M			
MB-45997 10X	O-VOC-W	29	1.000	03 Dec 2024 05:37 pm
19) 120319.D	8260_90to1.M			
2411493-001A 10X	O-VOC-W	30	1.000	03 Dec 2024 06:10 pm
20) 120320.D	8260_90to1.M			
2411493-001ADUP 10X	O-VOC-W	31	1.000	03 Dec 2024 06:43 pm
21) 120321.D	8260_90to1.M			
2411560-001B	O-VOC-W	32	1.000	03 Dec 2024 07:16 pm

22) 120322.D	8260_90to1.M				
2411560-002B	O-VOC-W	33	1.000	03 Dec 2024	07:49 pm
23) 120323.D	8260_90to1.M				
2411560-003B	O-VOC-W	34	1.000	03 Dec 2024	08:22 pm
24) 120324.D	8260_90to1.M				
2411560-004B	O-VOC-W	35	1.000	03 Dec 2024	08:55 pm
25) 120325.D	8260_90to1.M				
R	O-VOC-W		1.000	03 Dec 2024	09:27 pm
26) 120326.D	8260_90to1.M				
2412022-001A	O-VOC-W	36	1.000	03 Dec 2024	10:00 pm
27) 120327.D	8260_90to1.M				
2412023-001A	O-VOC-W	37	1.000	03 Dec 2024	10:33 pm
28) 120328.D	8260_90to1.M				
2412022-001AMS VOC	O-VOC-W	38	1.000	03 Dec 2024	11:06 pm
29) 120329.D	8260_90to1.M				
2412023-001AMS GX	O-VOC-W	39	1.000	03 Dec 2024	11:39 pm
30) 120330.D	8260_90to1.M				
R	O-VOC-W		1.000	04 Dec 2024	12:11 am
31) 120331.D	8260_90to1.M				
VOC W CCV B	O-VOC-W	40	1.000	04 Dec 2024	12:44 am
32) 120332.D	8260_90to1.M				
GX CCV B	O-VOC-W	41	1.000	04 Dec 2024	01:17 am
33) 120333.D	8260_90to1.M				
R	O-VOC-W		1.000	04 Dec 2024	01:49 am

Calibration

Initial Calibration Report - GC19

Method Path	D:\GC-19\Methods\Quant Methods\GX
Method File	GX 112624.m
Batch Name	D:\GC-19\Data\112624\QuantResults\gx ical.batch.bin
Last Calib Update	11/27/2024 9:37:45 AM

Level Name	Calibration Files	Acq. Date-Time	Level Last Update Time
2	D:\GC-19\Data\112624\112611.D	11/26/2024 6:07:45 PM	11/27/2024 9:37:45 AM
3	D:\GC-19\Data\112624\112612.D	11/26/2024 6:40:48 PM	11/27/2024 9:37:45 AM
4	D:\GC-19\Data\112624\112613.D	11/26/2024 7:13:57 PM	11/27/2024 9:37:45 AM
5	D:\GC-19\Data\112624\112614.D	11/26/2024 7:46:55 PM	11/27/2024 9:37:45 AM
6	D:\GC-19\Data\112624\112615.D	11/26/2024 8:19:59 PM	11/27/2024 9:37:45 AM
7	D:\GC-19\Data\112624\112616.D	11/26/2024 8:53:03 PM	11/27/2024 9:37:45 AM
1	D:\GC-19\Data\112624\112702.D	11/27/2024 9:14:13 AM	11/27/2024 9:37:45 AM

Compound	Curve Fit	2	3	4	5	6	7	1	Avg RF	%RSD
I Chlorobenzene-d5 (IS)				---------- ISTD ----------						
S Dibromofluoromethane	Avg RF	0.2354	0.2344	0.2468	0.2302	0.2222	0.2185	0.2413	0.2327	4.300
S Pentafluorobenzene	Avg RF	0.6848	0.7117	0.7533	1.0690	1.4430	1.7971	0.6674	1.0180	43.708
S Mystery peak (from IS + Surrogate mix)	Avg RF	0.2461	0.2494	0.2800	0.2261	0.2235	0.2287	0.2378	0.2416	8.108
S 1,4-Difluorobenzene	Avg RF	0.8008	0.8132	0.8296	0.8927	0.9332		0.8002	0.8449	6.543
S Toluene-d8	Avg RF	1.1134	1.1349	1.1352	1.1972	1.2021	1.2722	1.1232	1.1683	4.945
T Gasoline	Linear	0.8565	0.7665	0.7165	0.8161	0.8043	0.8355	0.9358	0.8187	8.463
S 1-Bromo-4-Fluorobenzene	Avg RF	0.8181	0.8414	0.8385	0.8914	0.9628		0.8197	0.8620	6.505
S 1,4-Dichlorobenzene-d4	Avg RF	0.9907	1.0174	1.0033	1.0510	1.0852	1.1301	0.9798	1.0368	5.301

(RedFont and #) = Outlier Flag; (I) = Internal Standard; (T) = Target; (S) = Surrogate; (M) = Matrix Spike

Compounds with Curve fitting not using Avg Response Factor:

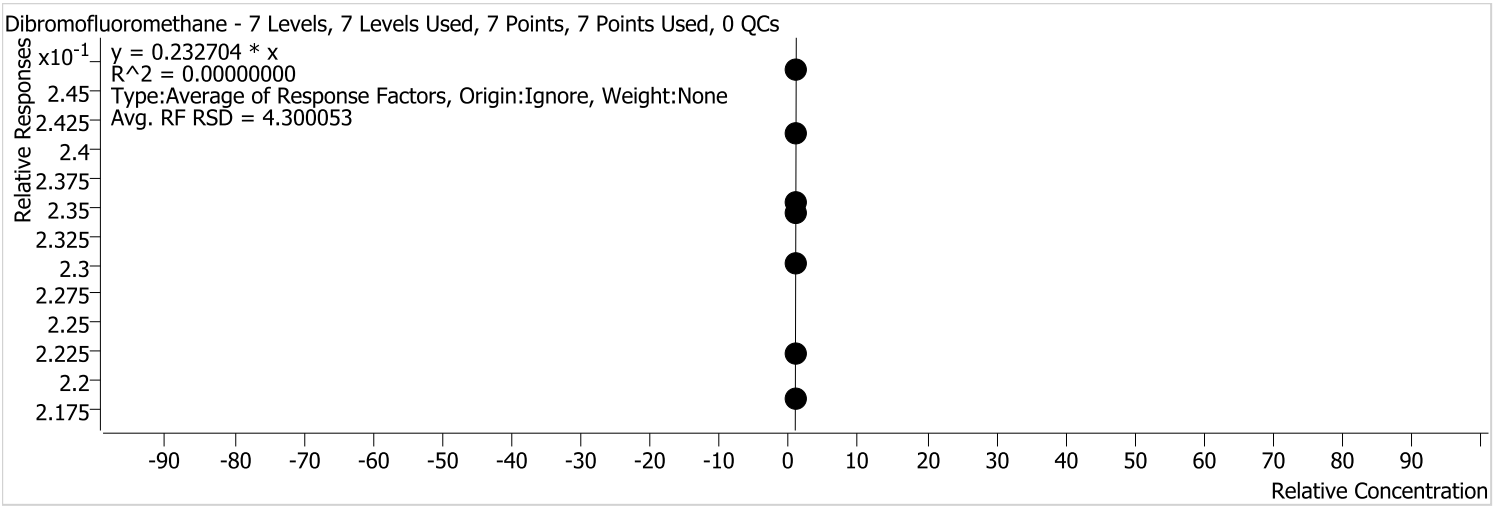
Compound	Curve Fit	Curve Fit Formula	Curve Fit R2
T Gasoline	Linear	y = 0.817755 * x + 0.003536	0.998371

(RedFont and #) = Outlier Flag; (I) = Internal Standard; (T) = Target; (S) = Surrogate; (M) = Matrix Spike

Calibration Report

Batch Path	D:\GC-19\Data\112624\QuantResults\gx ical.batch.bin		
Analysis Time	12/2/2024 12:25 PM	**Analyst Name**	FA\GC19
Report Time	12/2/2024 12:26:41 PM	**Reporter Name**	FA\GC19
Last Calib Update	11/27/2024 9:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

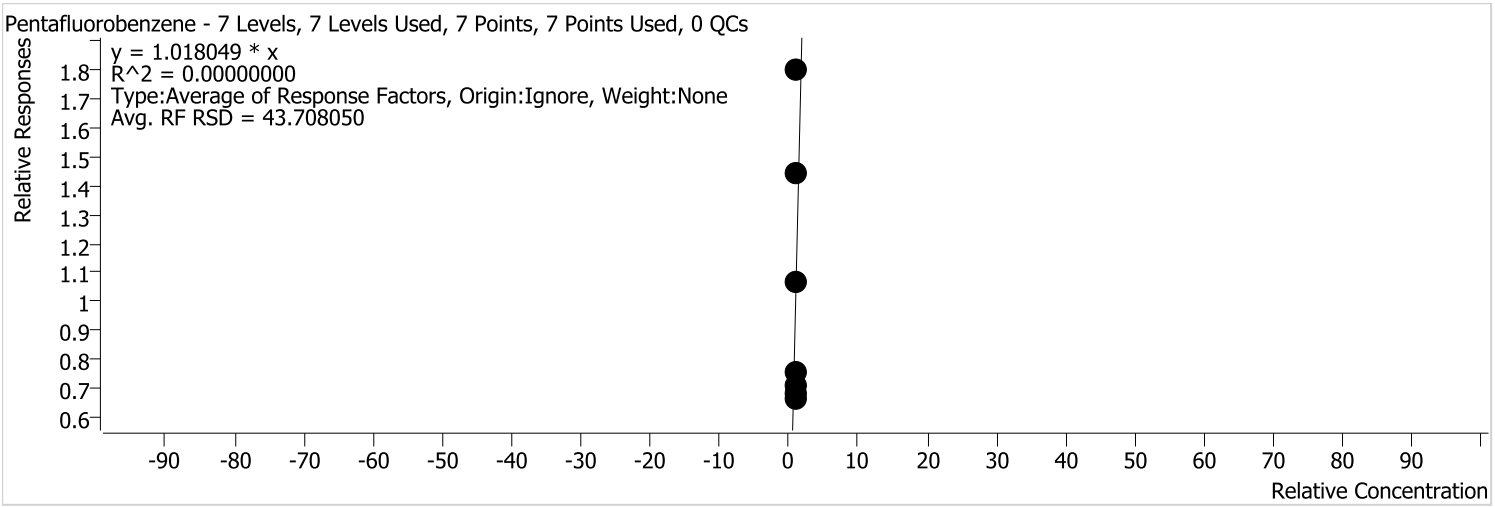
Dibromofluoromethane %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\112624\112702.D	Calibration	1	x	863290	25.0000	0.2413	
D:\GC-19\Data\112624\112616.D	Calibration	7	x	765788	25.0000	0.2185	
D:\GC-19\Data\112624\112615.D	Calibration	6	x	772639	25.0000	0.2222	
D:\GC-19\Data\112624\112614.D	Calibration	5	x	804514	25.0000	0.2302	
D:\GC-19\Data\112624\112613.D	Calibration	4	x	887697	25.0000	0.2468	
D:\GC-19\Data\112624\112612.D	Calibration	3	x	863259	25.0000	0.2344	
D:\GC-19\Data\112624\112611.D	Calibration	2	x	869370	25.0000	0.2354	

Batch Path	D:\GC-19\Data\112624\QuantResults\gx ical.batch.bin		
Analysis Time	12/2/2024 12:25 PM	**Analyst Name**	FA\GC19
Report Time	12/2/2024 12:26:42 PM	**Reporter Name**	FA\GC19
Last Calib Update	11/27/2024 9:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

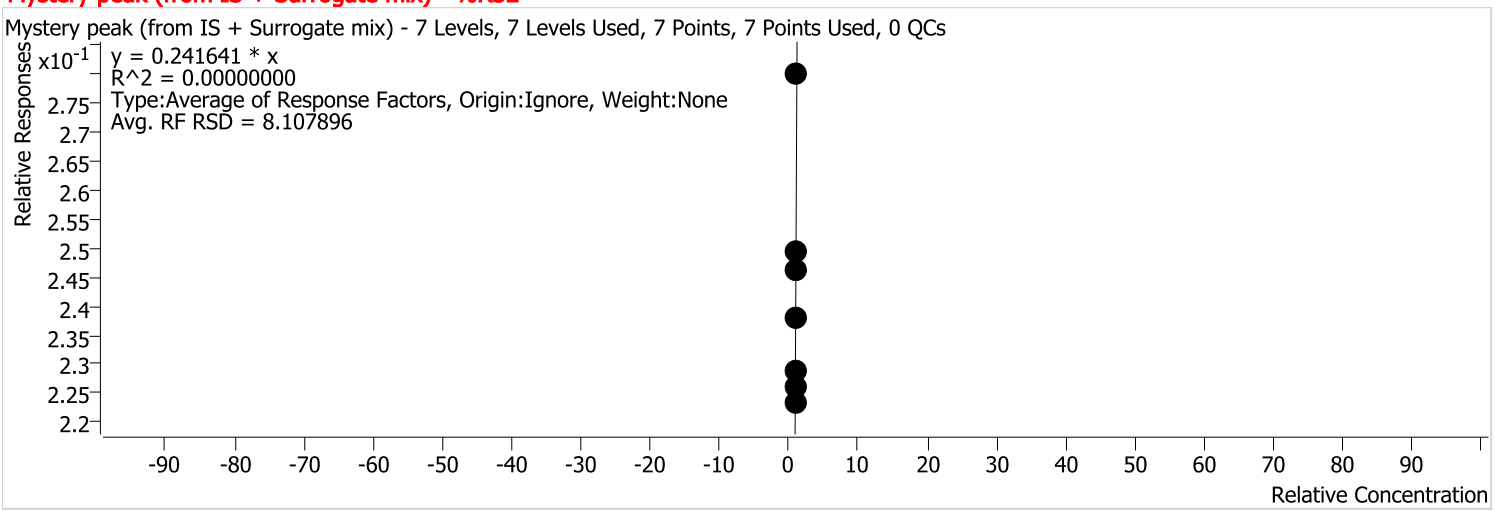
Pentafluorobenzene %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\112624\112702.D	Calibration	1	x	2387423	25.0000	0.6674	
D:\GC-19\Data\112624\112616.D	Calibration	7	x	6298035	25.0000	1.7971	
D:\GC-19\Data\112624\112615.D	Calibration	6	x	5017280	25.0000	1.4430	
D:\GC-19\Data\112624\112614.D	Calibration	5	x	3735294	25.0000	1.0690	
D:\GC-19\Data\112624\112613.D	Calibration	4	x	2709595	25.0000	0.7533	
D:\GC-19\Data\112624\112612.D	Calibration	3	x	2620864	25.0000	0.7117	
D:\GC-19\Data\112624\112611.D	Calibration	2	x	2529091	25.0000	0.6848	

Batch Path	D:\GC-19\Data\112624\QuantResults\gx ical.batch.bin		
Analysis Time	12/2/2024 12:25 PM	**Analyst Name**	FA\GC19
Report Time	12/2/2024 12:26:42 PM	**Reporter Name**	FA\GC19
Last Calib Update	11/27/2024 9:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

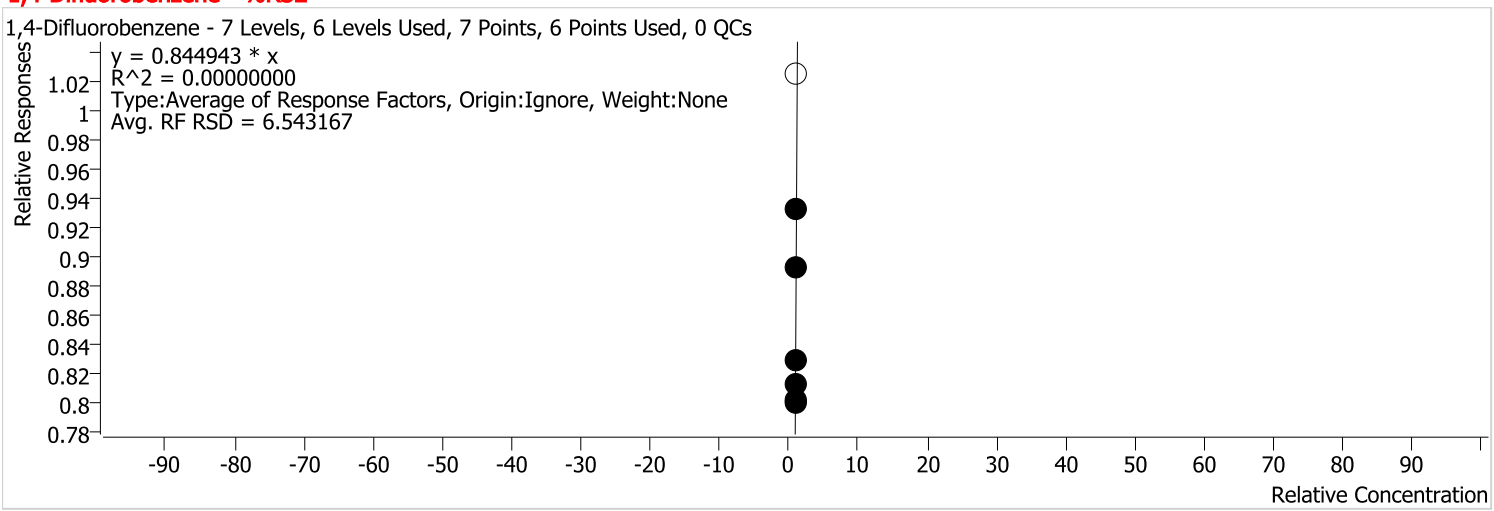
Mystery peak (from IS + Surrogate mix) %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\112624\112702.D	Calibration	1	x	850454	25.0000	0.2378	
D:\GC-19\Data\112624\112616.D	Calibration	7	x	801652	25.0000	0.2287	
D:\GC-19\Data\112624\112615.D	Calibration	6	x	776966	25.0000	0.2235	
D:\GC-19\Data\112624\112614.D	Calibration	5	x	790098	25.0000	0.2261	
D:\GC-19\Data\112624\112613.D	Calibration	4	x	1007149	25.0000	0.2800	
D:\GC-19\Data\112624\112612.D	Calibration	3	x	918209	25.0000	0.2494	
D:\GC-19\Data\112624\112611.D	Calibration	2	x	908757	25.0000	0.2461	

Batch Path	D:\GC-19\Data\112624\QuantResults\gx ical.batch.bin		
Analysis Time	12/2/2024 12:25 PM	**Analyst Name**	FA\GC19
Report Time	12/2/2024 12:26:42 PM	**Reporter Name**	FA\GC19
Last Calib Update	11/27/2024 9:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

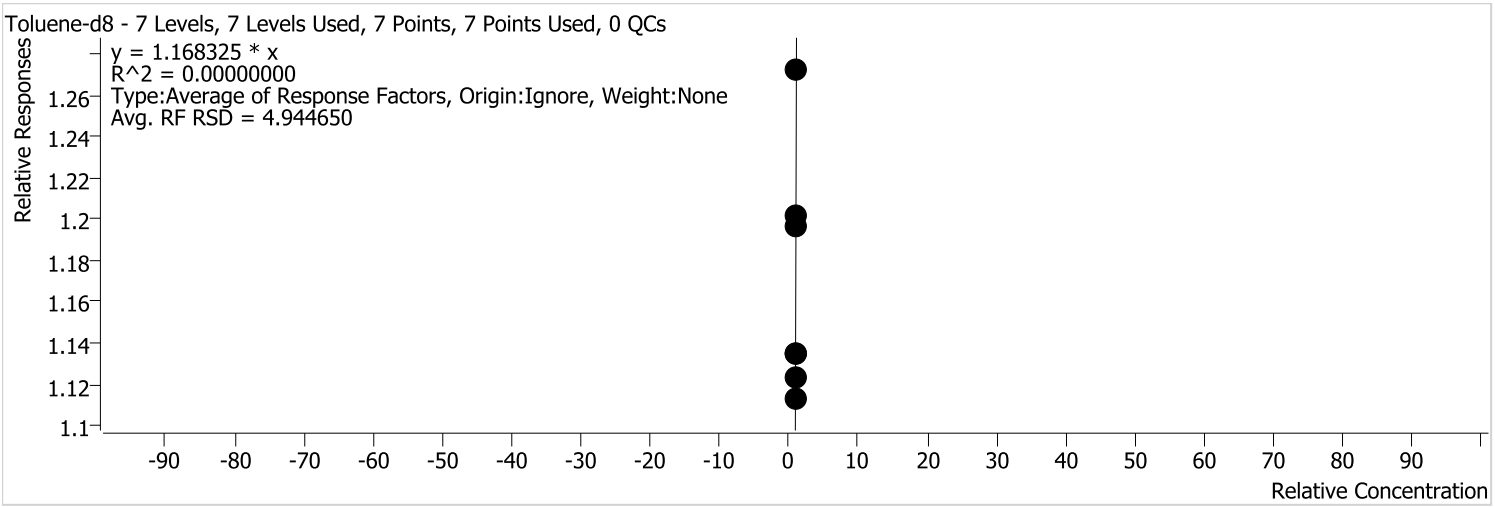
1,4-Difluorobenzene %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\112624\112702.D	Calibration	1	x	2862219	25.0000	0.8002	
D:\GC-19\Data\112624\112616.D	Calibration	7		3593374	25.0000	1.0253	
D:\GC-19\Data\112624\112615.D	Calibration	6	x	3244768	25.0000	0.9332	
D:\GC-19\Data\112624\112614.D	Calibration	5	x	3119481	25.0000	0.8927	
D:\GC-19\Data\112624\112613.D	Calibration	4	x	2983945	25.0000	0.8296	
D:\GC-19\Data\112624\112612.D	Calibration	3	x	2994443	25.0000	0.8132	
D:\GC-19\Data\112624\112611.D	Calibration	2	x	2957343	25.0000	0.8008	

Batch Path	D:\GC-19\Data\112624\QuantResults\gx ical.batch.bin		
Analysis Time	12/2/2024 12:25 PM	**Analyst Name**	FA\GC19
Report Time	12/2/2024 12:26:42 PM	**Reporter Name**	FA\GC19
Last Calib Update	11/27/2024 9:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

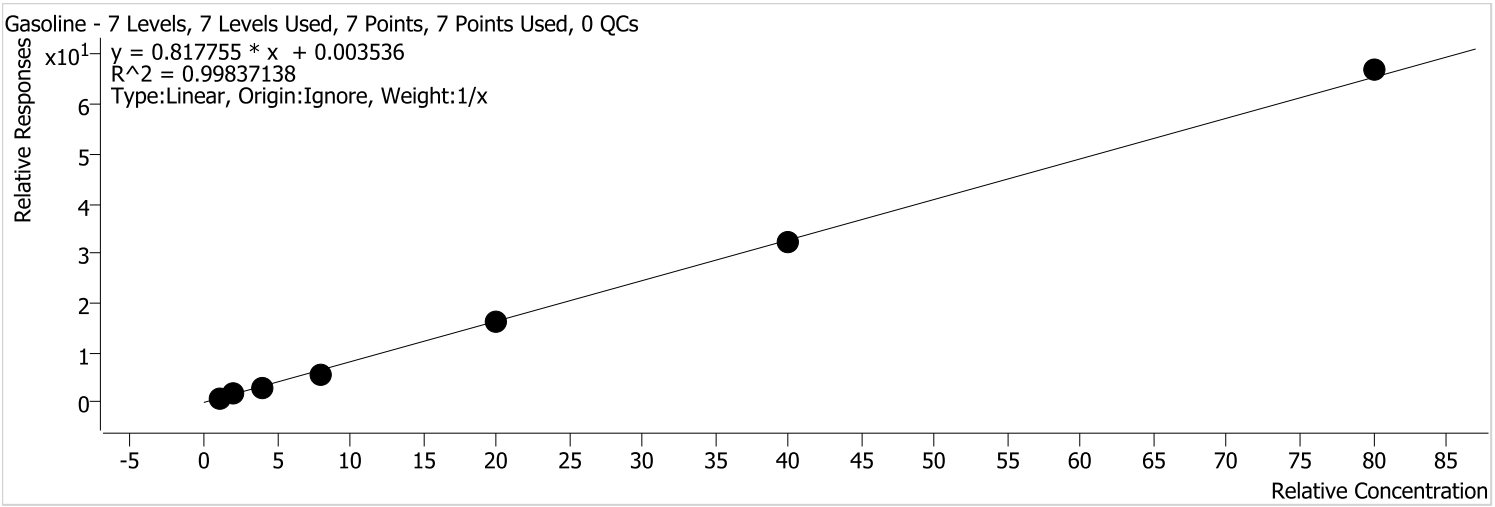
Toluene-d8 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\112624\112702.D	Calibration	1	x	4017824	25.0000	1.1232	
D:\GC-19\Data\112624\112616.D	Calibration	7	x	4458590	25.0000	1.2722	
D:\GC-19\Data\112624\112615.D	Calibration	6	x	4179468	25.0000	1.2021	
D:\GC-19\Data\112624\112614.D	Calibration	5	x	4183378	25.0000	1.1972	
D:\GC-19\Data\112624\112613.D	Calibration	4	x	4083393	25.0000	1.1352	
D:\GC-19\Data\112624\112612.D	Calibration	3	x	4179101	25.0000	1.1349	
D:\GC-19\Data\112624\112611.D	Calibration	2	x	4112108	25.0000	1.1134	

Batch Path	D:\GC-19\Data\112624\QuantResults\gx ical.batch.bin		
Analysis Time	12/2/2024 12:25 PM	**Analyst Name**	FA\GC19
Report Time	12/2/2024 12:26:42 PM	**Reporter Name**	FA\GC19
Last Calib Update	11/27/2024 9:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

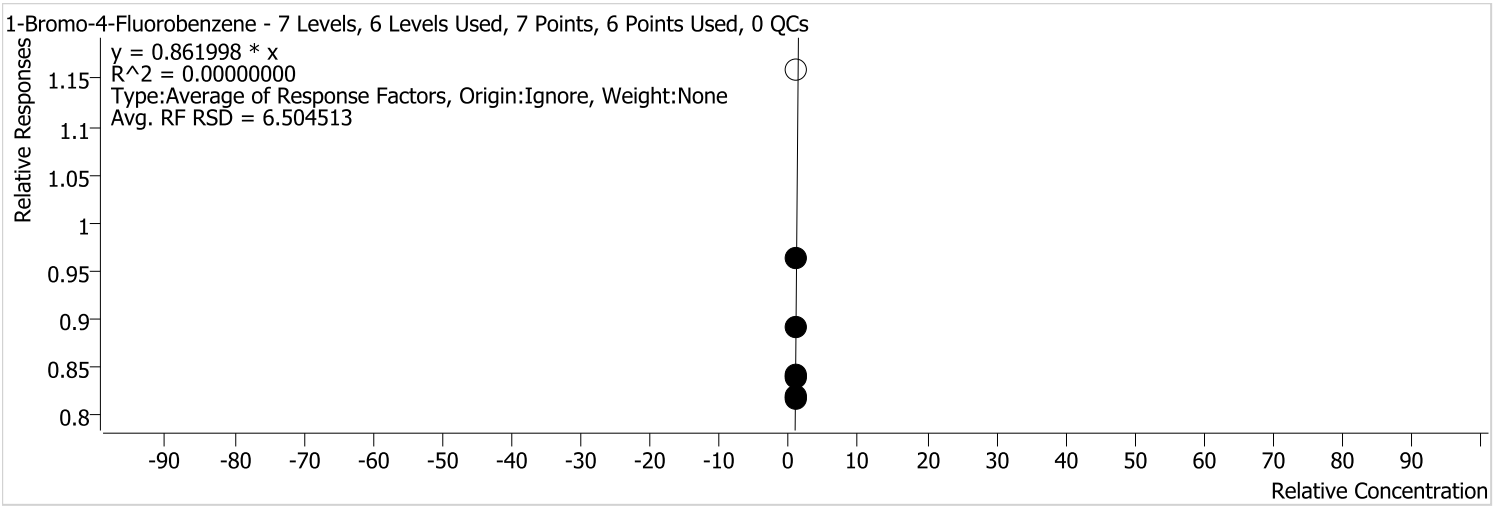
Gasoline %RSE = 9.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\112624\112702.D	Calibration	1	x	3347389	25.0000	0.9358	
D:\GC-19\Data\112624\112611.D	Calibration	2	x	6326668	50.0000	0.8565	
D:\GC-19\Data\112624\112612.D	Calibration	3	x	11290624	100.0000	0.7665	
D:\GC-19\Data\112624\112613.D	Calibration	4	x	20618021	200.0000	0.7165	
D:\GC-19\Data\112624\112614.D	Calibration	5	x	57035231	500.0000	0.8161	
D:\GC-19\Data\112624\112615.D	Calibration	6	x	111853568	1000.0000	0.8043	
D:\GC-19\Data\112624\112616.D	Calibration	7	x	234237120	2000.0000	0.8355	

Batch Path	D:\GC-19\Data\112624\QuantResults\gx ical.batch.bin		
Analysis Time	12/2/2024 12:25 PM	**Analyst Name**	FA\GC19
Report Time	12/2/2024 12:26:42 PM	**Reporter Name**	FA\GC19
Last Calib Update	11/27/2024 9:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

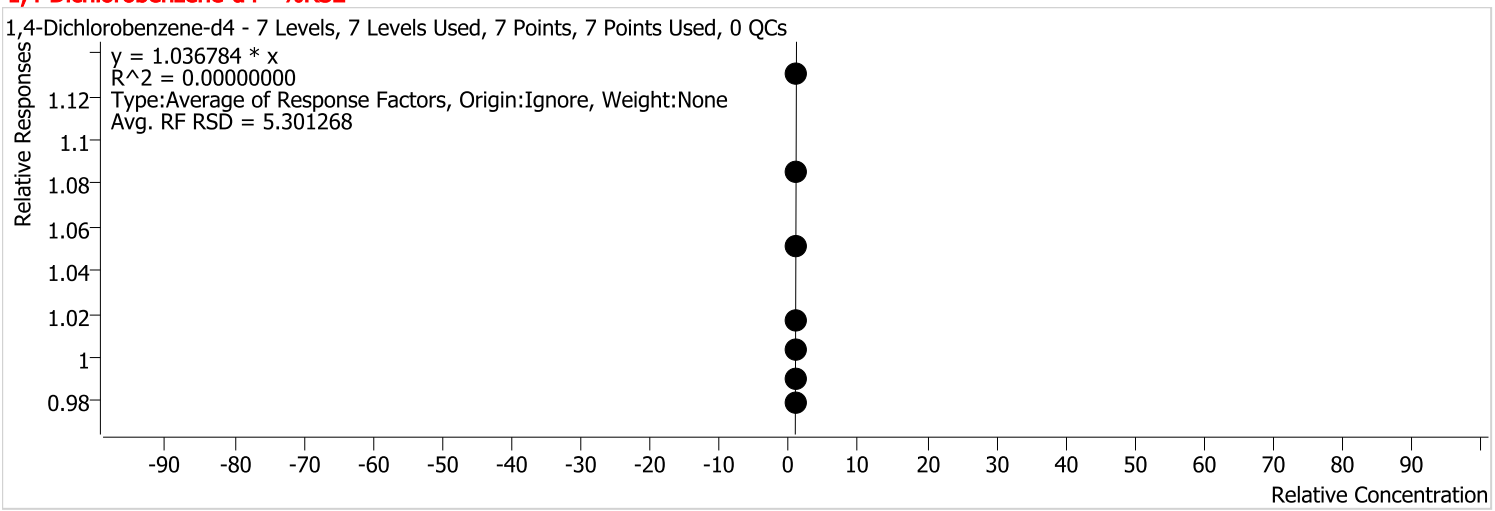
1-Bromo-4-Fluorobenzene %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\112624\112702.D	Calibration	1	x	2932106	25.0000	0.8197	
D:\GC-19\Data\112624\112616.D	Calibration	7		4060252	25.0000	1.1585	
D:\GC-19\Data\112624\112615.D	Calibration	6	x	3347694	25.0000	0.9628	
D:\GC-19\Data\112624\112614.D	Calibration	5	x	3114660	25.0000	0.8914	
D:\GC-19\Data\112624\112613.D	Calibration	4	x	3016159	25.0000	0.8385	
D:\GC-19\Data\112624\112612.D	Calibration	3	x	3098422	25.0000	0.8414	
D:\GC-19\Data\112624\112611.D	Calibration	2	x	3021507	25.0000	0.8181	

Batch Path	D:\GC-19\Data\112624\QuantResults\gx ical.batch.bin		
Analysis Time	12/2/2024 12:25 PM	**Analyst Name**	FA\GC19
Report Time	12/2/2024 12:26:42 PM	**Reporter Name**	FA\GC19
Last Calib Update	11/27/2024 9:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,4-Dichlorobenzene-d4 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-19\Data\112624\112702.D	Calibration	1	x	3504594	25.0000	0.9798	
D:\GC-19\Data\112624\112616.D	Calibration	7	x	3960637	25.0000	1.1301	
D:\GC-19\Data\112624\112615.D	Calibration	6	x	3773052	25.0000	1.0852	
D:\GC-19\Data\112624\112614.D	Calibration	5	x	3672536	25.0000	1.0510	
D:\GC-19\Data\112624\112613.D	Calibration	4	x	3608902	25.0000	1.0033	
D:\GC-19\Data\112624\112612.D	Calibration	3	x	3746281	25.0000	1.0174	
D:\GC-19\Data\112624\112611.D	Calibration	2	x	3659015	25.0000	0.9907	

GX Calibration

Fremont Analytical

Date: 11/26/24

Analyst: KS

Instrument: GC19

Cal	ICV
GX Standard: 30314	GX Standard: 30074

IS/Surrogate 30569

Spike Conc. (ppb)	Intermediate Spike (uL)	Cal GX Spike (uL)	ICV GX Spike (uL)	Final Vol. (mL)	Comments
25	50	--	--	50	
50	100	--	--	50	
100		2.00	--	50	
200		4.00	--	50	
500		10.00	--	50	
1000		20.00	--	50	
2000		40.00	-- KS 11/26/24	50	
ICV (500 ppb)		--	~~10.00~~ 5	50	

	GX Cal (uL)	P&T MeOH (uL)	Final Volume (mL)
Intermediate	10	990	1

Signature and Date: Kelsey Jan 11/26/24

Signature: ADK

V-Gasoline Calibration Bench Sheet v1.2

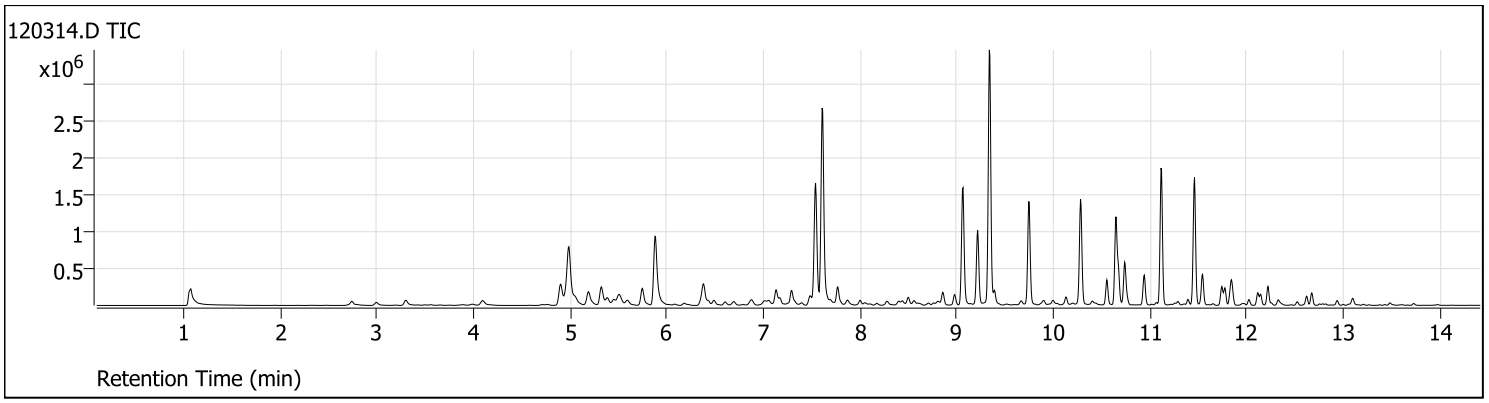
1 of 1

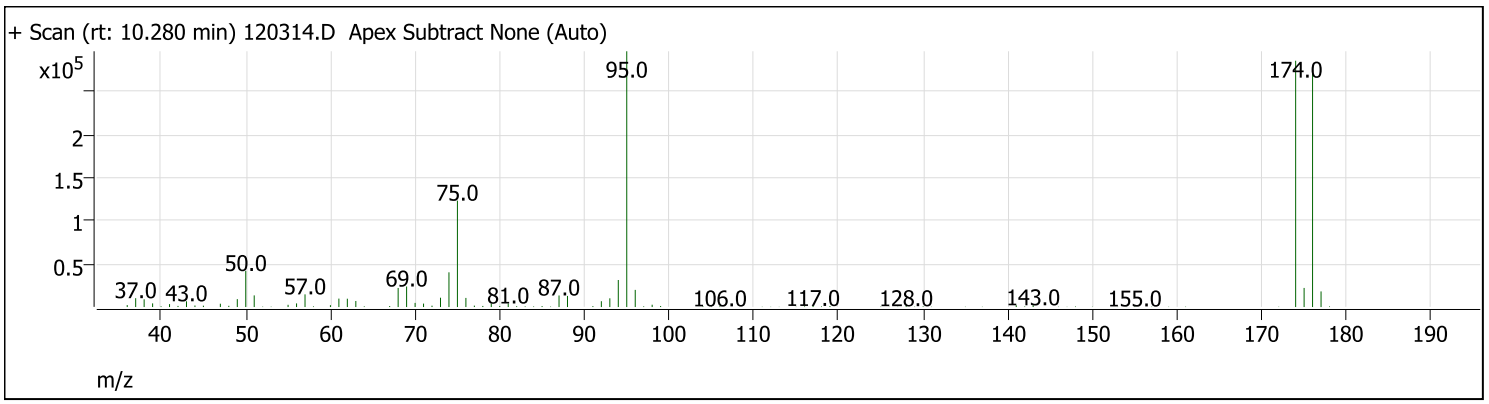
Official Approval: 2/15/2024

Tunes

Tune Evaluation Report

Data Path:	D:\GC-19\Data\120324\120314.D
Acq on:	12/3/2024 3:26:11 PM
Operator:	FA\GC19
Sample:	GX CCV A
Inst Name:	GC19
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	103.8	296842	Pass
96	95	5	9	6.7	19890	Pass
173	174	0	2	0.0	0	Pass
174	95	50	200	96.3	285863	Pass
175	174	5	9	7.8	22164	Pass
176	174	95	105	97.9	279912	Pass
177	176	5	10	6.5	18117	Pass

Internal Standards

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-27_250224A

Run No: 97824

Lab File ID (Standard): 012311.D

Instrument ID: GC-27

GC Column: ID (mm):

CCV Name: GX SS MDPT 97187

CCV SeqNo: 2038000

Date Analyzed: 1/23/2025

Time Analyzed: 18:56

Length (M):

		IS1 (CBZ) AREA #	RT #	IS2 (14DCBZ) AREA #	RT #				
	12 HOUR STD	4819239	8.992	5470597	10.465				
	UPPER LIMIT	9638478	9.492	10941194	10.965				
	LOWER LIMIT	2409620	8.492	2735299	9.965				
	SAMPLE NO.								
01	GX CCV 46845A	5.61984e+006	8.983	6.18513e+006	10.465				
02	GX CCV 46845B	5.34387e+006	8.983	6.01773e+006	10.465				

IS1 (CBZ) = Chlorobenzene-d5
IS2 (14DCBZ) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-27_250224A

Run No: 97824

Lab File ID (Standard): 022104.D

Instrument ID: GC-27

GC Column: ID (mm):

CCV Name: GX CCV 46845A

CCV SeqNo: 2038027

Date Analyzed: 2/21/2025

Time Analyzed: 10:08

Length (M):

		IS1 (CBZ) AREA #	RT #	IS2 (14DCBZ) AREA #	RT #				
	12 HOUR STD	5619835	8.983	6185133	10.465				
	UPPER LIMIT	11239670	9.483	12370266	10.965				
	LOWER LIMIT	2809918	8.483	3092567	9.965				
	SAMPLE NO.								
01	LCS-46845	5.61984e+006	8.983	6.18513e+006	10.465				
02	MB-46845	5.60551e+006	8.983	5.96155e+006	10.465				
03	2502393-005A	5.37686e+006	8.983	5.58056e+006	10.465				
04	2502393-001A	5.5617e+006	8.983	5.79244e+006	10.465				
05	2502393-002A	5.55862e+006	8.983	5.81423e+006	10.465				
06	2502393-003A	5.46065e+006	8.984	5.79736e+006	10.465				
07	2502393-004A	5.47665e+006	8.983	5.75984e+006	10.465				
08	2502393-004ADUP	5.28674e+006	8.983	5.46581e+006	10.465				

IS1 (CBZ) = Chlorobenzene-d5
IS2 (14DCBZ) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Supporting Data

5030B Prep Bench Sheet

Analyst:	KJ
Date and Time:	12/3/24
Batch:	96012

Spikes / Chemicals / Reagents	Omega ID	Amount Used	Final Volume
VOC Standard 20 µg/mL (LCS/LCSD)	30661	50 µL	50 mL
GX Standard 2,500 µg/mL (LCS/LCSD)	30314	10 µL	↓
VOC Standard 20 µg/mL (MS/MSD)	30661	43 µL	43 mL
GX Standard 2,500 µg/mL (MS/MSD)	30314	8.6 µL	↓

Notes/Modificaitons

Samples verified pH < 2	Initial/Date
	FG 12/4/24

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date
	KJ 12/4/24

Equipment	
Pipette:	41
Balance:	
Other:	

Dilutions	
Sample ID	Dilution Description
MB 45997, 493-1	10x, 4.3 mL into 43 mL

Sign and date below if you contributed to the preparation of this batch
Kelsey Jan 12/4/24

Signature: EM

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **12/3/2024 4:38:48 P**
Prep End Date: **12/4/2024 11:28:28**
Technician: **Kelsey Jones**

Prep Factor Units: **mL / mL**

Prep Batch ID: **46012** Prep Code: **PREP-5030** Method No: **SW5030**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46012		Water	40	40	1.000	12/3/2024	12/4/2024
LCS-46012		Water	40	40	1.000	12/3/2024	12/4/2024
MB-45997			40	40	1.000	12/3/2024	12/4/2024
2411493-001A	SS-1	Soil	40	40	1.000	12/3/2024	12/4/2024
2411493-001ADUP		Soil	40	40	1.000	12/3/2024	12/4/2024
2411560-001B	GEI-11-112624	Water	40	40	1.000	12/3/2024	12/4/2024
2411560-002B	GEI-12-112624	Water	40	40	1.000	12/3/2024	12/4/2024
2411560-003B	GEI-13-112624	Water	40	40	1.000	12/3/2024	12/4/2024
2411560-004B	DUP-112624	Water	40	40	1.000	12/3/2024	12/4/2024
2412022-001A	Pond I	Water	40	40	1.000	12/3/2024	12/4/2024
2412022-001AMS		Water	40	40	1.000	12/3/2024	12/4/2024
2412023-001A	FWTC	Water	40	40	1.000	12/3/2024	12/4/2024
2412023-001AMS		Water	40	40	1.000	12/3/2024	12/4/2024

Reporting Checklist

Analyst: KJ
Date: 12/4/24
Prep #: 46012
Run(s) #: 96088

Workorder(s): 11560, 12023
Analysis: O-VOC-GX-W

Y/N		Reviewed
Y	**Run complete? (i.e., all QC, samples, dilutions present)**	✔
Y	**All QC within limits?** [ ] Exceedances acceptable per QA Manual and/or Auth'd by PM____?	✔
	☐CCV out ☐LCS out ☐MS out ☐Blank hits ☐IS/surr out ☐RPD out ☐Hold time ☐Other_____	
N	Any pending dilutions, re-extracts, or reanalysis to be completed in future run?	
	Manual entries/narratives reviewed for accuracy? (note below) Analyst: Reviewer:	
✔	**Omega checks performed?**	✔
✔	SampID, Test Code, Type, Prep	
	PMOIST, pH	
✔	BLKref, SPKref, RPDref, CCVref	
✔	Attachments	✔
	☑Sequence ☑Cgrams ☑Bench Sheets ☑Perf Checks ☑Tech Doc	
✔	Related Info	✔
	☑ICAL Ref ☑ICAL Ack/QA'd? ☑Spiking Info/CCV Std ☐_____	
✔	Reporting Checks	✔
	☐Dilutions data/narr redundancy check ☐RLs OK (low wt, high pmoist, dilutions)	

Notes for Reviewer

By signing, I attest that I have followed the SOP

Kelsey Jones 12/4/24
Analyst Date

Savannah Houser 12/4/24
Reviewer Date

DATA SET for Review - Deliverable Requirements

PAHs by EPA Method 8270E SIM

Alliance Technical Group Work Order No. 2411560

GeoEngineers

Project Name: 701/709 South Jackson

Project Number: 24504-001-04

This data set contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information
- Internal Standards Report

Injection Log

Data Directory: Z:\GC-14\Data\2024\120324\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 120301.D	8270E_SIM_625_15m.M			
CO		3	1.000	03 Dec 2024 10:53 am
2) 120302.D	8270E_SIM_625_LOWLEVEL_15m.M			
LL CHECK		2	1.000	03 Dec 2024 11:09 am
3) 120303.D	8270E_SCAN_625_15m.M			
tune		1	1.000	03 Dec 2024 11:26 am
4) 120304.D	8270E_SIM_625_15m.M			
CCV		2	1.000	03 Dec 2024 11:42 am
5) 120305.D	8270E_SIM_625_15m.M			
MB-46001		81	1.000	03 Dec 2024 12:19 pm
6) 120306.D	8270E_SIM_625_15m.M			
LCS-46001		82	1.000	03 Dec 2024 12:36 pm
7) 120307.D	8270E_SIM_625_15m.M			
LCSD-46001		83	1.000	03 Dec 2024 12:52 pm
8) 120308.D	8270E_SIM_625_15m.M			
2411530-001C		84	1.000	03 Dec 2024 01:08 pm
9) 120309.D	8270E_SIM_625_15m.M			
2411531-001D		85	1.000	03 Dec 2024 01:25 pm
10) 120310.D	8270E_SIM_625_15m.M			
2411534-001C		86	1.000	03 Dec 2024 01:41 pm
11) 120311.D	8270E_SIM_625_15m.M			
2411548-001C		87	1.000	03 Dec 2024 01:57 pm
12) 120312.D	8270E_SIM_625_15m.M			
2411495-001B		88	1.000	03 Dec 2024 02:14 pm
13) 120313.D	8270E_SIM_625_15m.M			
2411518-001C		89	1.000	03 Dec 2024 02:30 pm
14) 120314.D	8270E_SIM_625_15m.M			
2411519-001C		90	1.000	03 Dec 2024 02:47 pm
15) 120315.D	8270E_SIM_625_15m.M			
2411519-002C		91	1.000	03 Dec 2024 03:03 pm
16) 120316.D	8270E_SIM_625_15m.M			
2411524-001F		92	1.000	03 Dec 2024 03:19 pm
17) 120317.D	8270E_SIM_625_15m.M			
lcs check		4	1.000	03 Dec 2024 03:51 pm
18) 120318.D	8270E_SIM_625_15m.M			
CCV		2	1.000	03 Dec 2024 04:31 pm
19) 120319.D	8270E_SIM_625_15m.M			
CO		5	1.000	03 Dec 2024 04:48 pm
20) 120320.D	8270E_SIM_625_15m.M			
CO		5	1.000	03 Dec 2024 05:04 pm
21) 120321.D	8270E_SIM_625_15m.M			
CO		5	1.000	03 Dec 2024 05:20 pm

22) 120322.D 8270E_SIM_625_15m.M
CO 5 1.000 03 Dec 2024 05:36 pm

23) 120323.D 8270E_SIM_625_15m.M
CO 5 1.000 03 Dec 2024 05:52 pm

24) 120324.D 8270E_SIM_625_15m.M
CO 5 1.000 03 Dec 2024 06:08 pm

25) 120325.D 8270E_SIM_625_15m.M
CO 5 1.000 03 Dec 2024 06:24 pm

26) 120326.D 8270E_SIM_625_15m.M
CO 5 1.000 03 Dec 2024 06:40 pm

27) 120327.D 8270E_SIM_625_15m.M
CO 5 1.000 03 Dec 2024 06:56 pm

28) 120328.D 8270E_SIM_625_15m.M
CO 5 1.000 03 Dec 2024 07:12 pm

29) 120329.D 8270E_SIM_625_15m.M
CO 5 1.000 03 Dec 2024 07:27 pm

30) 120330.D 8270E_SIM_625_15m.M
CO 5 1.000 03 Dec 2024 07:43 pm

31) 120331.D 8270E_SIM_625_15m.M
CO 5 1.000 03 Dec 2024 07:59 pm

32) 120332.D 8270E_SIM_625_15m.M
CO 5 1.000 03 Dec 2024 08:14 pm

33) 120333.D 8270E_SIM_625_15m.M
CO 5 1.000 03 Dec 2024 08:30 pm

34) 120334.D 8270E_SIM_625_15m.M
CO 5 1.000 03 Dec 2024 08:46 pm

35) 120335.D 8270E_SIM_625_15m.M
CO 5 1.000 03 Dec 2024 09:02 pm

36) 120336.D 8270E_SIM_625_15m.M
CO 5 1.000 03 Dec 2024 09:17 pm

37) 120337.D 8270E_SIM_625_15m.M
CO 5 1.000 03 Dec 2024 09:33 pm

38) 120338.D 8270E_SIM_625_15m.M
CO 5 1.000 03 Dec 2024 09:49 pm

39) 120401.D 8270E_SIM_625_15m.M
CO 3 1.000 04 Dec 2024 12:23 pm

40) 120402.D 8270E_SCAN_625_15m.M
tune 1 1.000 04 Dec 2024 12:40 pm

41) 120403.D 8270E_SIM_625_15m.M
CCV 2 1.000 04 Dec 2024 12:56 pm

42) 120404.D 8270E_SIM_625_15m.M
2411524-001F 92 1.000 04 Dec 2024 02:23 pm

43) 120405.D 8270E_SIM_625_15m.M
2411524-002F 93 1.000 04 Dec 2024 02:39 pm

44) 120406.D 8270E_SIM_625_15m.M
2411524-003F 94 1.000 04 Dec 2024 02:55 pm

45) 120407.D 8270E_SIM_625_15m.M

2411524-004F 95 1.000 04 Dec 2024 03:12 pm

46) 120408.D 8270E_SIM_625_15m.M
2411524-005F 96 1.000 04 Dec 2024 03:28 pm

47) 120409.D 8270E_SIM_625_15m.M
CO 3 1.000 04 Dec 2024 03:44 pm

48) 120410.D 8270E_SIM_625_15m.M
MB-46018 105 1.000 04 Dec 2024 04:01 pm

49) 120411.D 8270E_SIM_625_15m.M
LCS-46018 106 1.000 04 Dec 2024 04:17 pm

50) 120412.D 8270E_SIM_625_15m.M
2412031-001A 107 1.000 04 Dec 2024 04:33 pm

51) 120413.D 8270E_SIM_625_15m.M
2412031-002A 108 1.000 04 Dec 2024 04:50 pm

52) 120414.D 8270E_SIM_625_15m.M
2412031-003A 109 1.000 04 Dec 2024 05:06 pm

53) 120415.D 8270E_SIM_625_15m.M
2412031-003AMS 110 1.000 04 Dec 2024 05:22 pm

54) 120416.D 8270E_SIM_625_15m.M
2412031-003AMSD 111 1.000 04 Dec 2024 05:38 pm

55) 120417.D 8270E_SIM_625_15m.M
2411524-006F 97 1.000 04 Dec 2024 05:54 pm

56) 120418.D 8270E_SIM_625_15m.M
2411524-007F 98 1.000 04 Dec 2024 06:10 pm

57) 120419.D 8270E_SIM_625_15m.M
2411524-008F 99 1.000 04 Dec 2024 06:26 pm

58) 120420.D 8270E_SIM_625_15m.M
2411524-009F 100 1.000 04 Dec 2024 06:42 pm

59) 120421.D 8270E_SIM_625_15m.M
2411524-012F 103 1.000 04 Dec 2024 06:58 pm

60) 120422.D 8270E_SIM_625_15m.M
2411557-001C 104 1.000 04 Dec 2024 07:13 pm

61) 120423.D 8270E_SIM_625_15m.M
CCV 2 1.000 04 Dec 2024 07:29 pm

62) 120501.D 8270E_SIM_625_15m.M
CO 3 1.000 05 Dec 2024 08:27 am

63) 120502.D 8270E_SCAN_625_15m.M
tune 1 1.000 05 Dec 2024 08:44 am

64) 120503.D 8270E_SIM_625_15m.M
CCV 2 1.000 05 Dec 2024 09:00 am

65) 120504.D 8270E_SIM_625_15m.M
2411524-010F 101 1.000 05 Dec 2024 09:39 am

66) 120505.D 8270E_SIM_625_15m.M
2411524-011F 102 1.000 05 Dec 2024 09:55 am

67) 120506.D 8270E_SIM_625_15m.M
2411524-011F 10X 112 1.000 05 Dec 2024 10:50 am

68) 120507.D 8270E_SIM_625_15m.M
CO 4 1.000 05 Dec 2024 11:44 am

69) 120508.D 8270E_SIM_625_15m.M
CO 3 1.000 05 Dec 2024 12:01 pm

70) 120509.D 8270E_SIM_625_15m.M
2412073-001A 11 1.000 05 Dec 2024 12:18 pm

71) 120510.D 8270E_SIM_625_LOWLEVEL_15m.M
CCV 2 1.000 05 Dec 2024 02:16 pm

72) 120511.D 8270E_SIM_625_LOWLEVEL_15m.M
LCS-LL-45917 12 1.000 05 Dec 2024 02:33 pm

73) 120512.D 8270E_SIM_625_15m.M
CO 4 1.000 05 Dec 2024 05:33 pm

74) 120513.D 8270E_SIM_625_15m.M
CO 4 1.000 05 Dec 2024 05:49 pm

75) 120514.D 8270E_SIM_625_15m.M
CO 4 1.000 05 Dec 2024 06:05 pm

76) 120515.D 8270E_SIM_625_15m.M
CO 4 1.000 05 Dec 2024 06:21 pm

77) 120516.D 8270E_SIM_625_15m.M
CO 3 1.000 05 Dec 2024 06:37 pm

78) 120517.D 8270E_SCAN_625_15m.M
tune 1 1.000 05 Dec 2024 06:53 pm

79) 120518.D 8270E_SIM_625_15m.M
CCV 2 1.000 05 Dec 2024 07:10 pm

80) 120519.D 8270E_SIM_625_15m.M
2411557-002C 14 1.000 05 Dec 2024 07:26 pm

81) 120520.D 8270E_SIM_625_15m.M
2411557-003C 15 1.000 05 Dec 2024 07:42 pm

82) 120521.D 8270E_SIM_625_15m.M
2411560-001F 16 1.000 05 Dec 2024 07:58 pm

83) 120522.D 8270E_SIM_625_15m.M
2411560-002F 17 1.000 05 Dec 2024 08:14 pm

84) 120523.D 8270E_SIM_625_15m.M
2411560-003F 18 1.000 05 Dec 2024 08:30 pm

85) 120524.D 8270E_SIM_625_15m.M
2411560-004F 19 1.000 05 Dec 2024 08:46 pm

86) 120525.D 8270E_SIM_625_15m.M
2412006-001C 20 1.000 05 Dec 2024 09:02 pm

87) 120526.D 8270E_SIM_625_15m.M
2412006-002C 21 1.000 05 Dec 2024 09:18 pm

88) 120527.D 8270E_SIM_625_15m.M
2412007-001C 22 1.000 05 Dec 2024 09:34 pm

89) 120528.D 8270E_SIM_625_15m.M
2411536-009A 23 1.000 05 Dec 2024 09:50 pm

90) 120529.D 8270E_SIM_625_15m.M
2411536-010A 24 1.000 05 Dec 2024 10:06 pm

91) 120530.D 8270E_SIM_625_15m.M
2412034-001A 25 1.000 05 Dec 2024 10:21 pm

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2412034-002A                            26    1.000     05 Dec 2024  10:37 pm
  ----------------------------------------------------------------------------
 93) 120532.D              8270E_SIM_625_15m.M
2412034-003A                            27    1.000     05 Dec 2024  10:53 pm
  ----------------------------------------------------------------------------
 94) 120533.D              8270E_SIM_625_15m.M
2412034-004A                            28    1.000     05 Dec 2024  11:09 pm
  ----------------------------------------------------------------------------
 95) 120534.D              8270E_SIM_625_15m.M
2412034-005A                            29    1.000     05 Dec 2024  11:25 pm
  ----------------------------------------------------------------------------
 96) 120535.D              8270E_SIM_625_15m.M
2412034-006A                            30    1.000     05 Dec 2024  11:41 pm
  ----------------------------------------------------------------------------
 97) 120536.D              8270E_SIM_625_15m.M
CCV                                      2    1.000     05 Dec 2024  11:57 pm
  ----------------------------------------------------------------------------
```

Calibration

Initial Calibration Report - GC-14

Method Path	C:\GC-14\Methods\Quant Methods\PAH
Method File	PAH 112124.m
Batch Name	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin
Last Calib Update	11/22/2024 1:38:16 PM

Level Name	Calibration Files	Acq. Date-Time	Level Last Update Time
1	C:\GC-14\Data\2024\112024\112058.D	11/21/2024 4:22:18 PM	11/22/2024 1:38:16 PM
2	C:\GC-14\Data\2024\112024\112059.D	11/21/2024 4:38:51 PM	11/22/2024 1:38:16 PM
3	C:\GC-14\Data\2024\112024\112060.D	11/21/2024 4:55:20 PM	11/22/2024 1:38:16 PM
4	C:\GC-14\Data\2024\112024\112061.D	11/21/2024 5:11:50 PM	11/22/2024 1:38:16 PM
5	C:\GC-14\Data\2024\112024\112062.D	11/21/2024 5:28:18 PM	11/22/2024 1:38:16 PM
6	C:\GC-14\Data\2024\112024\112063.D	11/21/2024 5:44:48 PM	11/22/2024 1:38:16 PM
7	C:\GC-14\Data\2024\112024\112064.D	11/21/2024 6:01:16 PM	11/22/2024 1:38:16 PM
8	C:\GC-14\Data\2024\112024\112065.D	11/21/2024 6:17:32 PM	11/22/2024 1:38:16 PM
9	C:\GC-14\Data\2024\112024\112066.D	11/21/2024 6:33:46 PM	11/22/2024 1:38:16 PM
10	C:\GC-14\Data\2024\112024\112067.D	11/21/2024 6:50:00 PM	11/22/2024 1:38:16 PM

Compound	Curve Fit	1	2	3	4	5	6	7	8	9	10	Avg RF	%RSD
I Naphthalene-d8 (IS)					---------- ISTD ----------								
T Naphthalene	Quadratic	1.4012	1.1737	1.2098	1.2012	1.1295	1.3904	1.1147	1.0843	1.0764	1.0227	1.1804	10.790
T 2-Methylnaphthalene	Quadratic	0.7661	0.6569	0.6537	0.6753	0.6488	0.8287	0.6659	0.6414	0.6169	0.5721	0.6726	10.917
T 1-Methylnaphthalene	Quadratic	0.7455	0.5964	0.6346	0.6298	0.6051	0.7341	0.5901	0.5709	0.5530	0.5197	0.6179	11.780
S 2-Fluorobiphenyl (surr)	Quadratic	0.8519	0.7276	0.7573	0.7794	0.7516	0.9365	0.7503	0.7335	0.7327	0.7065	0.7727	9.036
T 2-Chloronaphthalene	Quadratic	0.7297	0.6521	0.6746	0.7029	0.6681	0.8432	0.6762	0.6605	0.6588	0.6223	0.6888	8.918
T Dimethyl phthalate	Quadratic	0.8260	0.7150	0.7498	0.7679	0.7346	0.9399	0.7704	0.7573	0.7539	0.7001	0.7715	8.854
T Acenaphthylene	Linear	1.1115	0.9315	0.9722	0.9815	0.9364	1.1938	0.9637	0.9429	0.9280	0.8787	0.9840	9.684
I Acenaphthene-d10 (IS)					---------- ISTD ----------								
T Acenaphthene	Quadratic	1.7118	1.4301	1.5090	1.5139	1.4166	1.7885	1.4425	1.4100	1.4177	1.3981	1.5038	9.102
T Dibenzofuran	Quadratic	2.2950	1.8674	2.0615	2.1195	2.0243	2.6673	2.1196	2.1027	2.1394	2.0650	2.1462	9.865
T Fluorene	Quadratic	1.6696	1.4249	1.4904	1.5492	1.4757	1.9283	1.5595	1.5448	1.5426	1.4816	1.5667	9.133
T Diethylphthalate	Quadratic	1.8429	1.5065	1.5926	1.6060	1.5619	2.0574	1.6714	1.6597	1.6622	1.5107	1.6671	10.076
S 2,4,6-Tribromophenol	Quadratic	0.1965	0.1571	0.1608	0.1864	0.1844	0.2675	0.2284	0.2362	0.2527	0.2510	0.2121	18.861
T Pentachlorophenol	Quadratic		0.1570	0.1328	0.1502	0.1568	0.2377	0.2116	0.2318	0.2755	0.3165	0.2078	30.444
I Phenanthrene-d10 (IS)					---------- ISTD ----------								
T Phenanthrene	Quadratic	1.7054	1.3768	1.3637	1.3994	1.3183	1.6617	1.3350	1.3260	1.3254	1.2513	1.4063	10.790
T Anthracene	Quadratic	1.3866	1.1300	1.1581	1.2204	1.1760	1.5360	1.2600	1.2803	1.2596	1.2245	1.2632	9.503
T Carbazole	Quadratic	1.2208	0.9773	1.0152	1.1046	1.1188	1.5344	1.2636	1.2873	1.2624	1.2105	1.1995	13.250
T Di-n-butyl phthalate	Quadratic		1.3237	1.3292	1.4384	1.4087	1.9905	1.6750	1.7037	1.7517	1.7351	1.5951	14.404
T Fluoranthene	Quadratic	1.6434	1.3472	1.3668	1.4664	1.3914	1.8296	1.4845	1.4929	1.4715	1.4263	1.4920	9.716
T Pyrene	Quadratic	1.7880	1.4497	1.4934	1.5641	1.4837	1.9302	1.5660	1.5715	1.5489	1.5115	1.5907	9.480
S Terphenyl-d14 (surr)	Quadratic	0.7726	0.6167	0.6253	0.6642	0.6279	0.8354	0.6817	0.6860	0.6874	0.6843	0.6881	9.943
T Benzyl Butyl phthalate	Quadratic	0.6113	0.4681	0.4444	0.4957	0.4818	0.7558	0.6573	0.6950	0.7546	0.8166	0.6181	22.283
T bis (2-Ethylhexyl) adipate	Quadratic	0.4114	0.3242	0.3007	0.3306	0.3167	0.4754	0.4211	0.4532	0.5122	0.5765	0.4122	22.684
T Benzo (a) anthracene	Quadratic	2.2211	1.4930	1.5249	1.2695	1.2102	1.6035	1.4208	1.3646	1.3583	1.5552	1.5021	18.781

Compound	Curve Fit	1	2	3	4	5	6	7	8	9	10	Avg RF	%RSD
I Chrysene-d12 (IS)					---------- ISTD ----------								
T Chrysene	Quadratic	1.8680	1.7646	1.6198	1.8917	1.7679	2.1704	1.6208	1.6916	1.7245	1.5050	1.7624	10.487
T bis(2-Ethylhexyl) phthalate	Quadratic	0.8550	0.6986	0.7045	0.7518	0.7443	1.1231	1.0124	1.0296	1.1803	1.2748	0.9374	22.801
T Di-n-octyl phthalate	Quadratic	1.1397	1.0215	0.9927	1.0111	1.0277	1.4233	1.3223	1.3780	1.6384	2.0147	1.2969	25.731
T benzo (b) fluoranthene	Quadratic	1.1637	1.0652	1.0238	1.1693	1.2558	1.8362	1.4358	1.6398	1.7393	1.6190	1.3948	21.313
T benzo (k) fluoranthene	Quadratic	1.6026	1.2423	1.4708	1.5467	1.5528	1.9840	1.7748	1.4977	1.5132	1.7173	1.5902	12.551
T benzo (a) pyrene	Quadratic	1.0590	0.8819	0.9499	1.0078	1.0676	1.7415	1.4831	1.4131	1.5348	1.6420	1.2781	24.788
I Perylene-d12 (IS)					---------- ISTD ----------								
T Indeno(1,2,3-cd)pyrene	Quadratic	0.8452	0.6980	0.6921	0.7588	0.7712	1.2012	1.1026	1.0531	1.2051	1.3468	0.9674	24.991
T Dibenz (a,h) anthracene	Quadratic	0.8447	0.7716	0.7792	0.9075	0.9433	1.3577	1.1866	1.1561	1.2101	1.2957	1.0453	21.034
T Benzo (g,h,i) perylene	Quadratic	1.1243	0.9182	0.9255	1.0664	1.1200	1.5205	1.3676	1.2543	1.3219	1.3974	1.2016	16.926

(RedFont and #) = Outlier Flag; (I) = Internal Standard; (T) = Target; (S) = Surrogate; (M) = Matrix Spike

Compounds with Curve fitting not using Avg Response Factor:

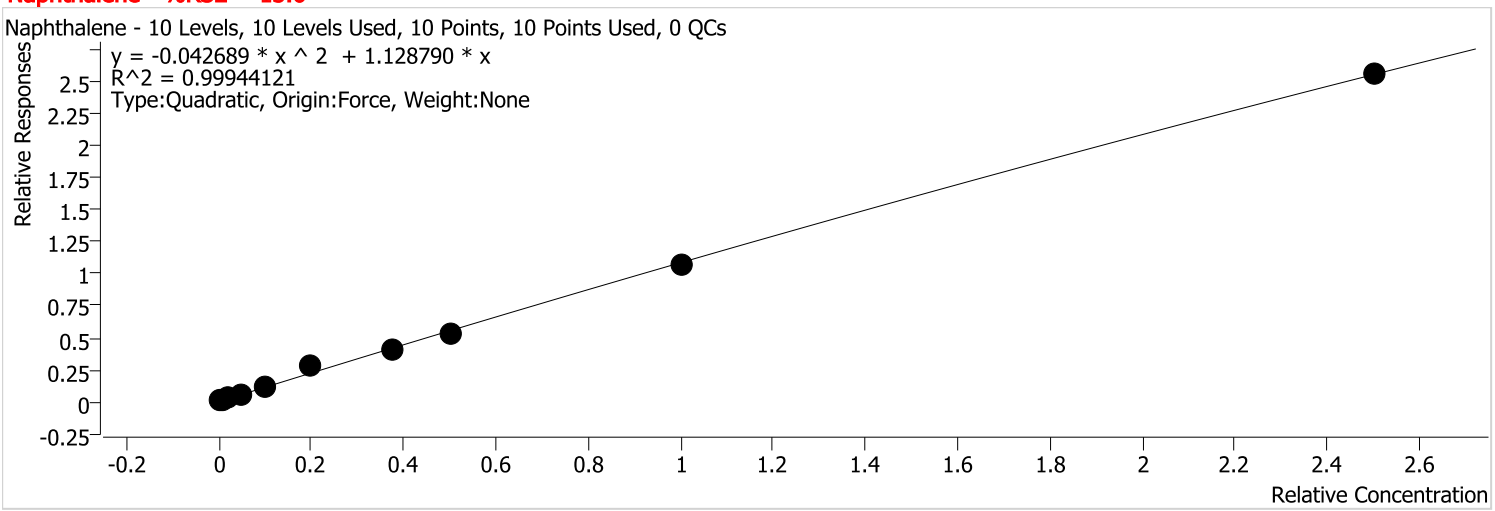
Compound	Curve Fit	Curve Fit Formula	Curve Fit R2
T Naphthalene	Quadratic	y = -0.042689 * x ^ 2 + 1.128790 * x	0.999441
T 2-Methylnaphthalene	Quadratic	y = -0.037792 * x ^ 2 + 0.665923 * x	0.999254
T 1-Methylnaphthalene	Quadratic	y = -0.028870 * x ^ 2 + 0.591329 * x	0.999314
S 2-Fluorobiphenyl (surr)	Quadratic	y = -0.043024 * x ^ 2 + 0.759835 * x	0.999481
T 2-Chloronaphthalene	Quadratic	y = -0.026958 * x ^ 2 + 0.689451 * x	0.999481
T Dimethyl phthalate	Quadratic	y = -0.036924 * x ^ 2 + 0.792231 * x	0.999599
T Acenaphthylene	Linear	y = 0.890536 * x	0.998227
T Acenaphthene	Quadratic	y = -0.021031 * x ^ 2 + 1.449905 * x	0.999520
T Dibenzofuran	Quadratic	y = -0.048428 * x ^ 2 + 2.185843 * x	0.999520
T Fluorene	Quadratic	y = -0.045323 * x ^ 2 + 1.594350 * x	0.999571
T Diethylphthalate	Quadratic	y = -0.096278 * x ^ 2 + 1.751506 * x	0.999568
S 2,4,6-Tribromophenol	Quadratic	y = 0.003088 * x ^ 2 + 0.243562 * x	0.999526
T Pentachlorophenol	Quadratic	y = 0.035702 * x ^ 2 + 0.227841 * x	0.999254
T Phenanthrene	Quadratic	y = -0.051491 * x ^ 2 + 1.379677 * x	0.999560
T Anthracene	Quadratic	y = -0.028686 * x ^ 2 + 1.295768 * x	0.999666
T Carbazole	Quadratic	y = -0.038231 * x ^ 2 + 1.305769 * x	0.999644
T Di-n-butyl phthalate	Quadratic	y = -7.845092E-004 * x ^ 2 + 1.737604 * x	0.999681
T Fluoranthene	Quadratic	y = -0.037505 * x ^ 2 + 1.519403 * x	0.999602
T Pyrene	Quadratic	y = -0.034103 * x ^ 2 + 1.596009 * x	0.999596
S Terphenyl-d14 (surr)	Quadratic	y = -0.008408 * x ^ 2 + 0.694605 * x	0.999650
T Benzyl Butyl phthalate	Quadratic	y = 0.052558 * x ^ 2 + 0.685927 * x	0.999623
T bis (2-Ethylhexyl) adipate	Quadratic	y = 0.053608 * x ^ 2 + 0.443218 * x	0.999559
T Benzo (a) anthracene	Quadratic	y = 0.103444 * x ^ 2 + 1.294631 * x	0.999518
T Chrysene	Quadratic	y = -0.125767 * x ^ 2 + 1.820468 * x	0.999126
T bis(2-Ethylhexyl) phthalate	Quadratic	y = 0.090480 * x ^ 2 + 1.050316 * x	0.999458
T Di-n-octyl phthalate	Quadratic	y = 0.282837 * x ^ 2 + 1.309625 * x	0.999722
T benzo (b) fluoranthene	Quadratic	y = -0.032636 * x ^ 2 + 1.703768 * x	0.998751
T benzo (k) fluoranthene	Quadratic	y = 0.088956 * x ^ 2 + 1.491410 * x	0.998545
T benzo (a) pyrene	Quadratic	y = 0.079791 * x ^ 2 + 1.442848 * x	0.999544
T Indeno(1,2,3-cd)pyrene	Quadratic	y = 0.111842 * x ^ 2 + 1.068264 * x	0.999627
T Dibenz (a,h) anthracene	Quadratic	y = 0.056637 * x ^ 2 + 1.154002 * x	0.999739
T Benzo (g,h,i) perylene	Quadratic	y = 0.045640 * x ^ 2 + 1.282817 * x	0.999630

(RedFont and #) = Outlier Flag; (I) = Internal Standard; (T) = Target; (S) = Surrogate; (M) = Matrix Spike

Calibration Report

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:26 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

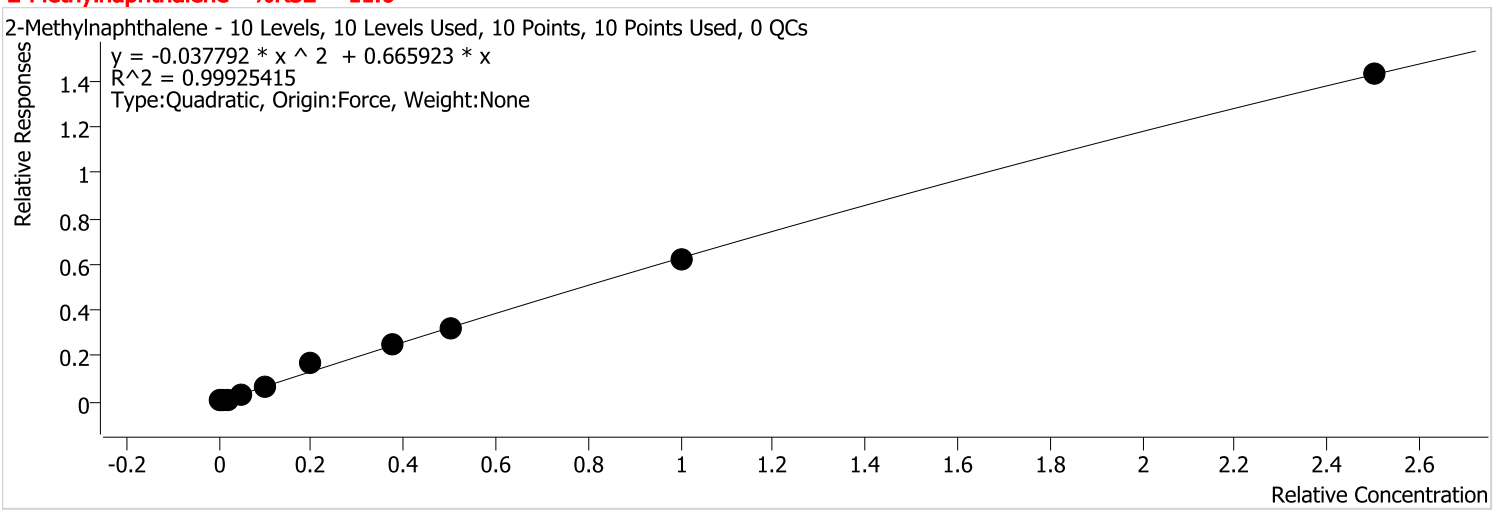
Naphthalene %RSE = 13.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	5335	20.0000	1.1737	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	10851	40.0000	1.2098	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	24647	100.0000	1.2012	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	47894	200.0000	1.1295	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	127926	400.0000	1.3904	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	195538	750.0000	1.1147	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	249689	1000.0000	1.0843	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	500285	2000.0000	1.0764	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	1180122	5000.0000	1.0227	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:28 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

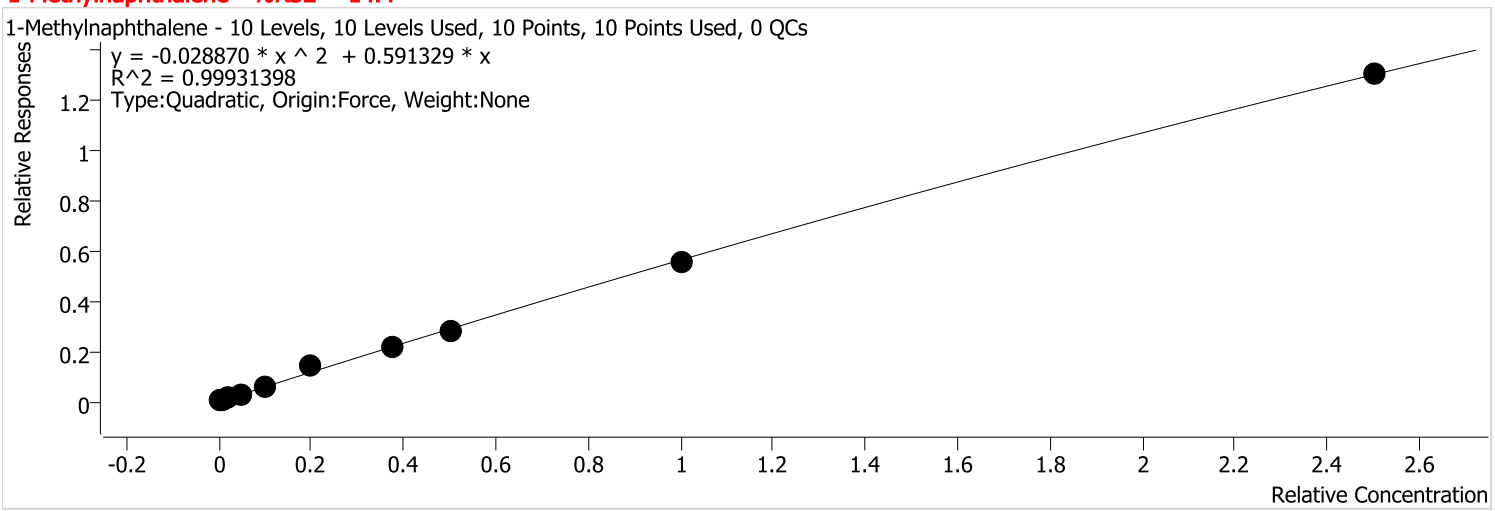
2-Methylnaphthalene %RSE = 11.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	5863	40.0000	0.6537	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	13856	100.0000	0.6753	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	27512	200.0000	0.6488	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	76251	400.0000	0.8287	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	116798	750.0000	0.6659	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	147701	1000.0000	0.6414	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	286729	2000.0000	0.6169	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	660113	5000.0000	0.5721	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:28 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

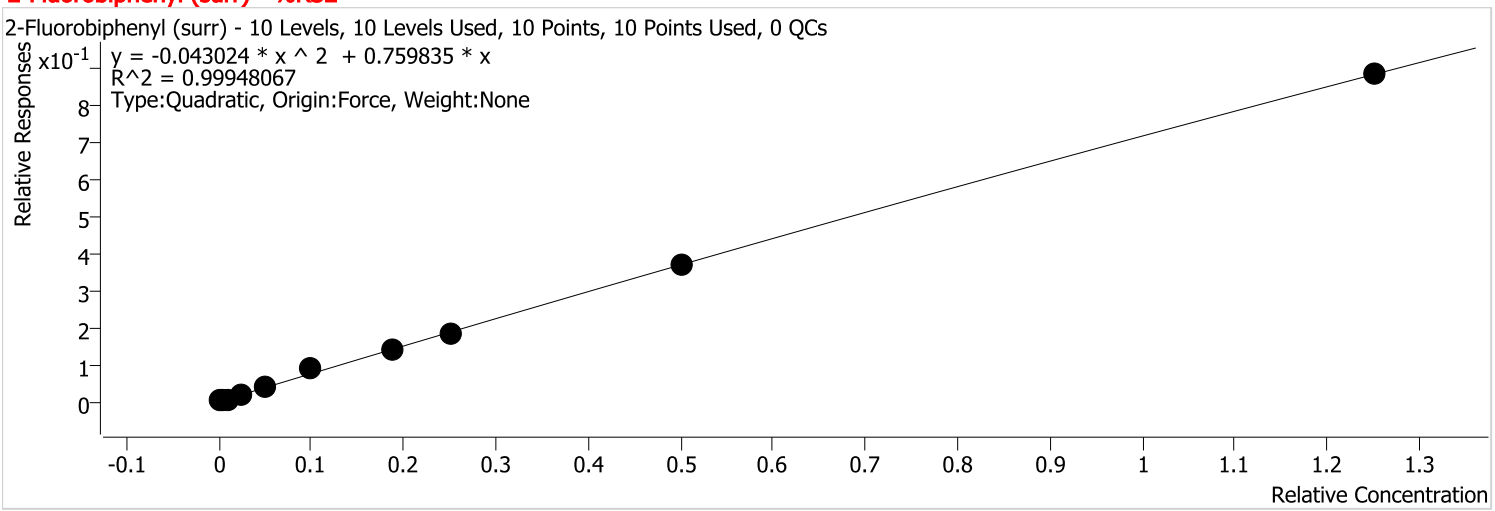
1-Methylnaphthalene %RSE = 14.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	1679	10.0000	0.7455	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	2711	20.0000	0.5964	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	5692	40.0000	0.6346	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	12923	100.0000	0.6298	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	25657	200.0000	0.6051	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	67543	400.0000	0.7341	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	103508	750.0000	0.5901	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	131457	1000.0000	0.5709	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	257013	2000.0000	0.5530	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	599679	5000.0000	0.5197	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:28 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

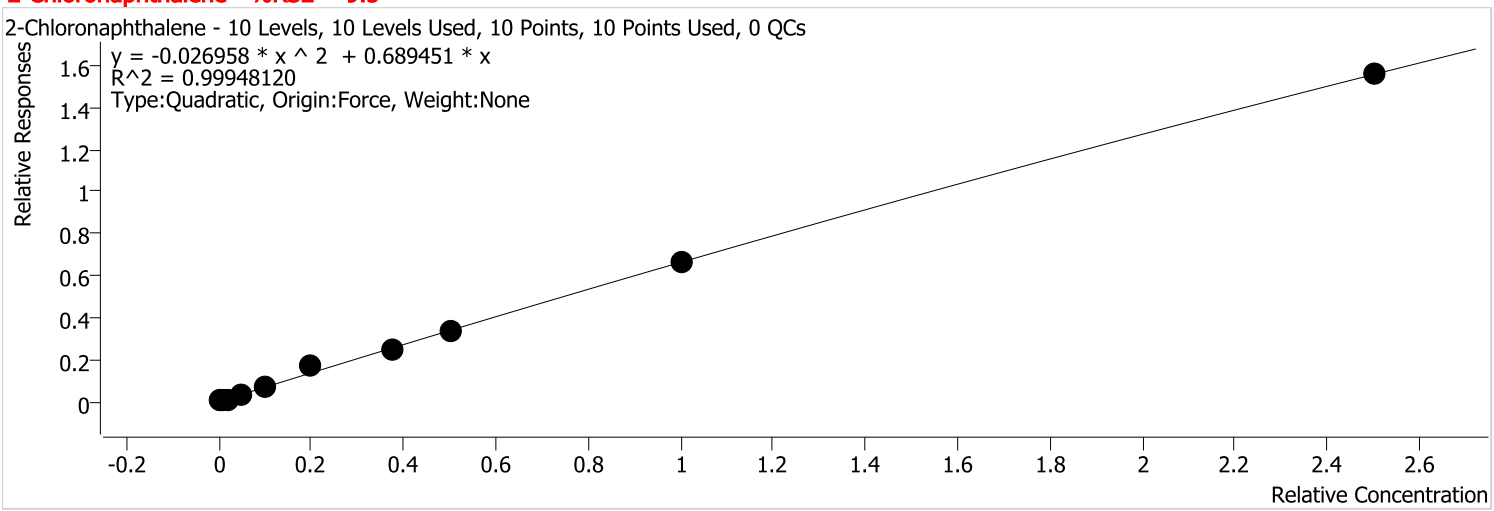
2-Fluorobiphenyl (surr) %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	959	5.0000	0.8519	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	1654	10.0000	0.7276	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	3396	20.0000	0.7573	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	7997	50.0000	0.7794	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	15934	100.0000	0.7516	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	43082	200.0000	0.9365	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	65804	375.0000	0.7503	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	84453	500.0000	0.7335	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	170278	1000.0000	0.7327	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	407585	2500.0000	0.7065	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:28 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

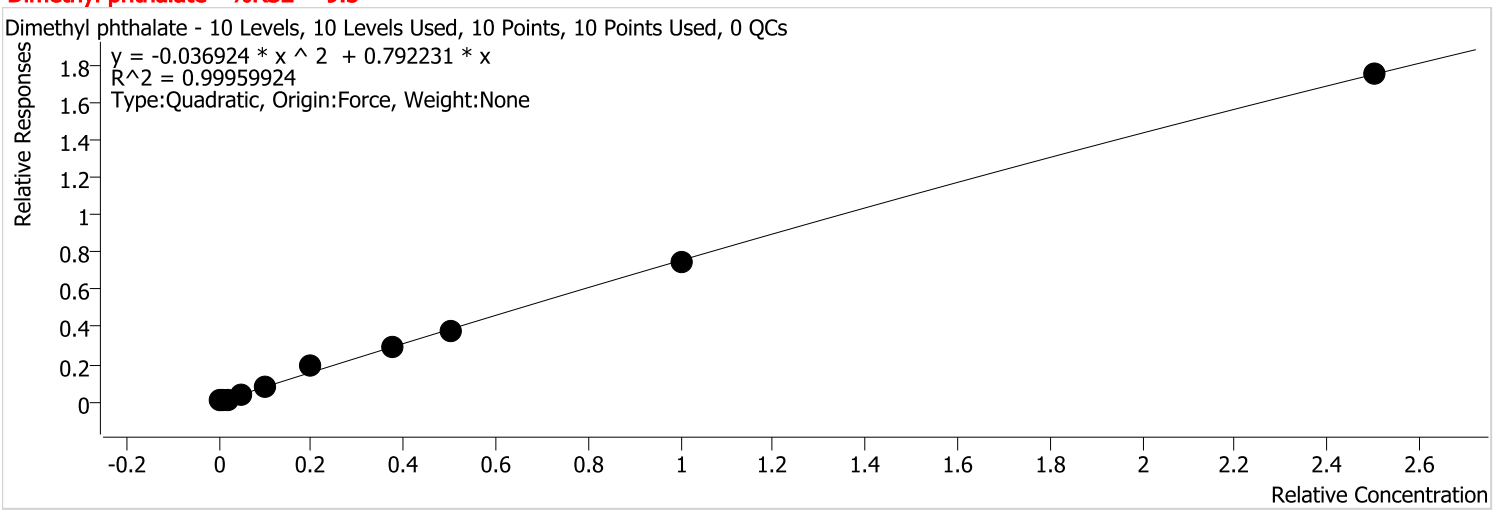
2-Chloronaphthalene %RSE = 9.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	1643	10.0000	0.7297	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	2964	20.0000	0.6521	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	6050	40.0000	0.6746	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	14424	100.0000	0.7029	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	28332	200.0000	0.6681	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	77579	400.0000	0.8432	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	118610	750.0000	0.6762	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	152094	1000.0000	0.6605	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	306184	2000.0000	0.6588	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	718127	5000.0000	0.6223	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:28 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

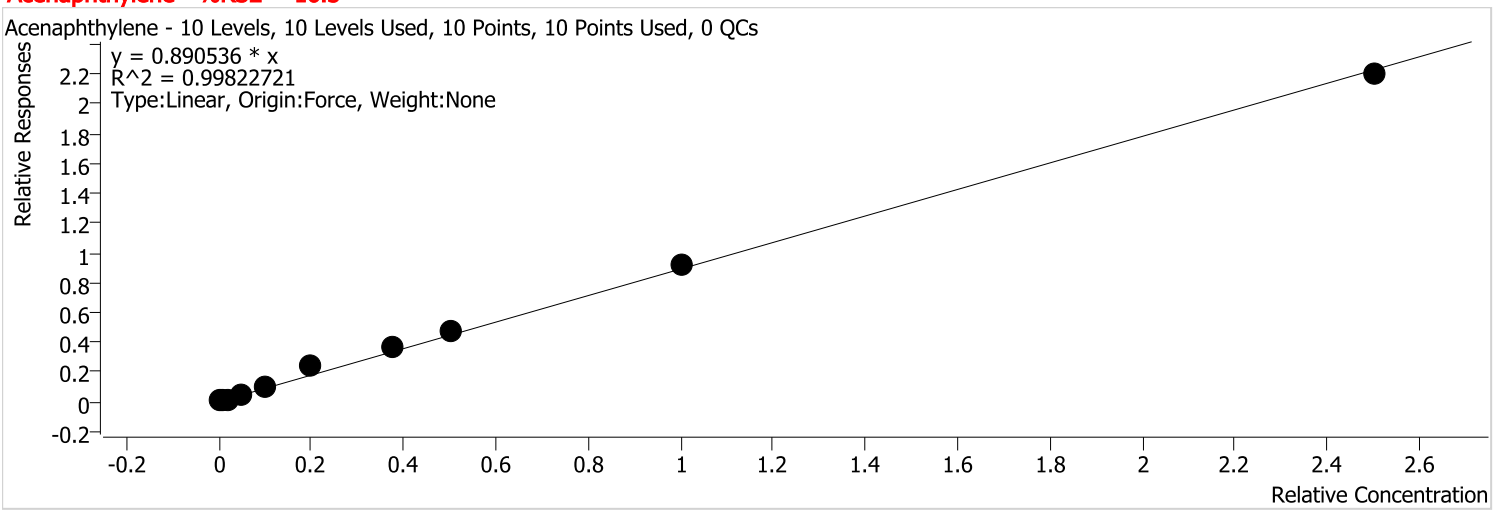
Dimethyl phthalate %RSE = 9.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	1860	10.0000	0.8260	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	3250	20.0000	0.7150	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	6725	40.0000	0.7498	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	15756	100.0000	0.7679	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	31151	200.0000	0.7346	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	86482	400.0000	0.9399	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	135132	750.0000	0.7704	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	174378	1000.0000	0.7573	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	350389	2000.0000	0.7539	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	807838	5000.0000	0.7001	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:28 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

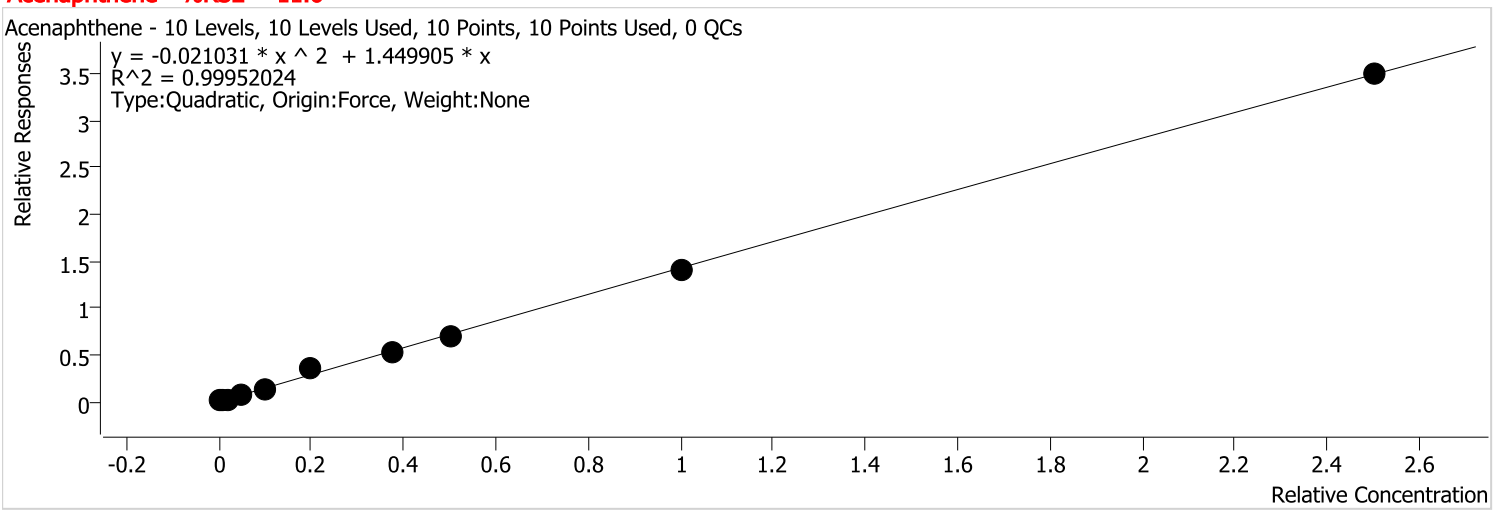
Acenaphthylene %RSE = 16.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	2503	10.0000	1.1115	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	4234	20.0000	0.9315	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	8720	40.0000	0.9722	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	20140	100.0000	0.9815	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	39709	200.0000	0.9364	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	109840	400.0000	1.1938	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	169043	750.0000	0.9637	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	217127	1000.0000	0.9429	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	431327	2000.0000	0.9280	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	1013974	5000.0000	0.8787	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:28 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

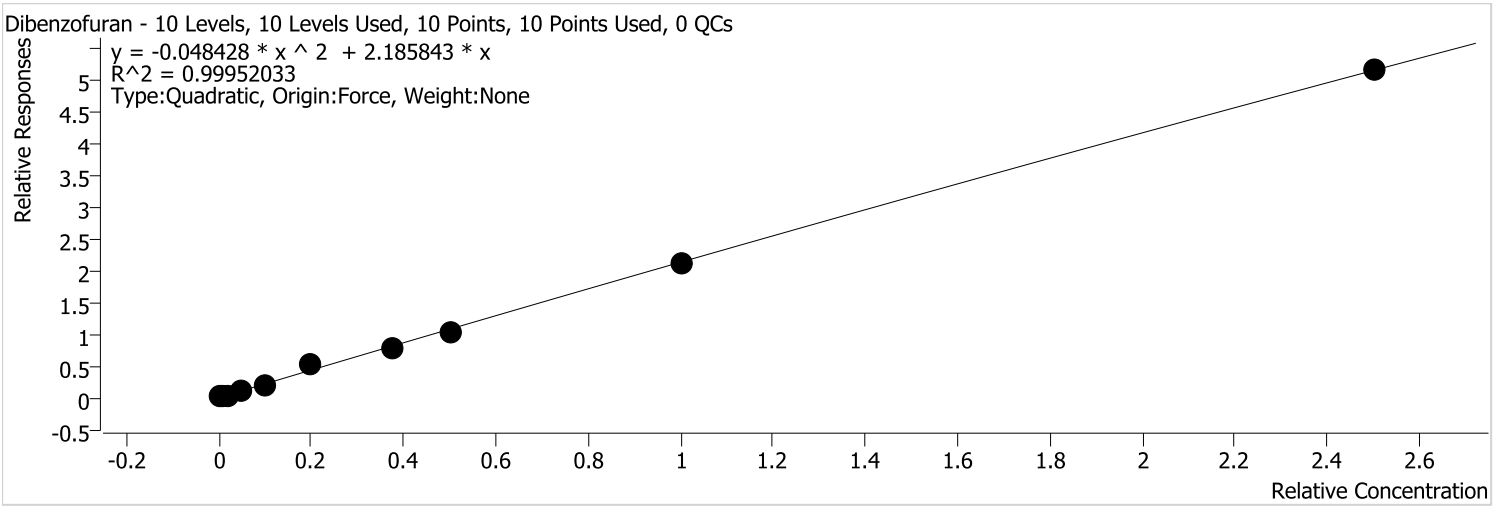
Acenaphthene %RSE = 11.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	1759	10.0000	1.7118	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	2979	20.0000	1.4301	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	6165	40.0000	1.5090	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	14032	100.0000	1.5139	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	27185	200.0000	1.4166	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	72931	400.0000	1.7885	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	112116	750.0000	1.4425	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	142856	1000.0000	1.4100	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	286474	2000.0000	1.4177	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	683861	5000.0000	1.3981	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:28 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

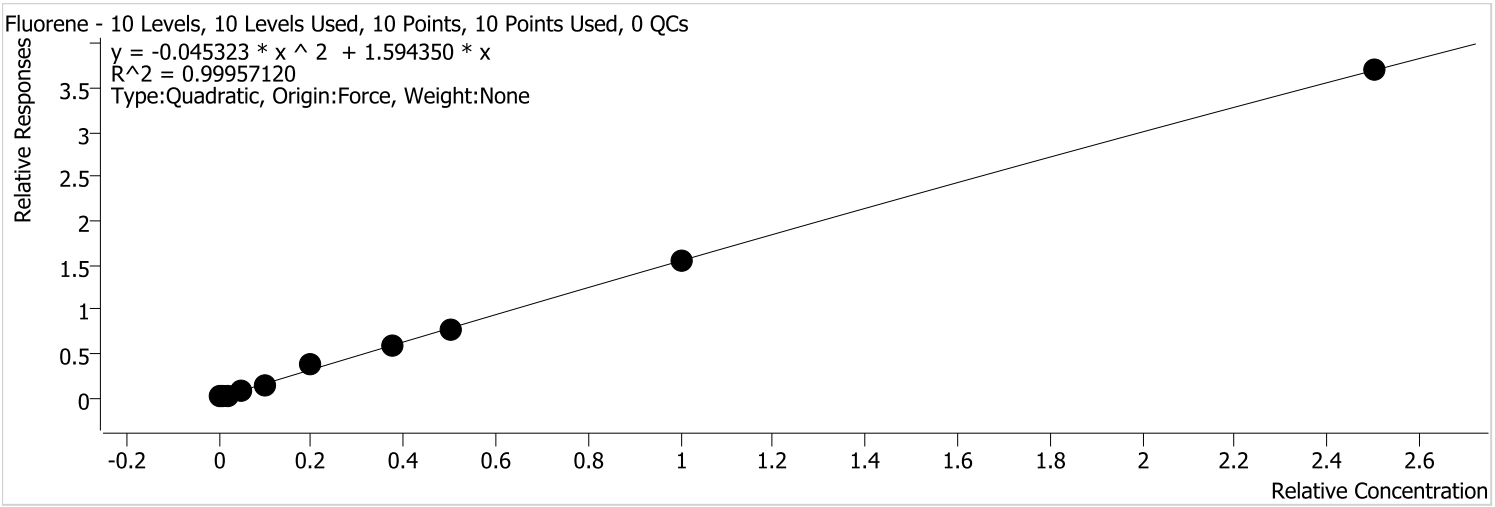
Dibenzofuran %RSE = 11.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	2359	10.0000	2.2950	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	3890	20.0000	1.8674	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	8422	40.0000	2.0615	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	19646	100.0000	2.1195	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	38848	200.0000	2.0243	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	108767	400.0000	2.6673	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	164737	750.0000	2.1196	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	213042	1000.0000	2.1027	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	432299	2000.0000	2.1394	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	1010085	5000.0000	2.0650	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:28 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

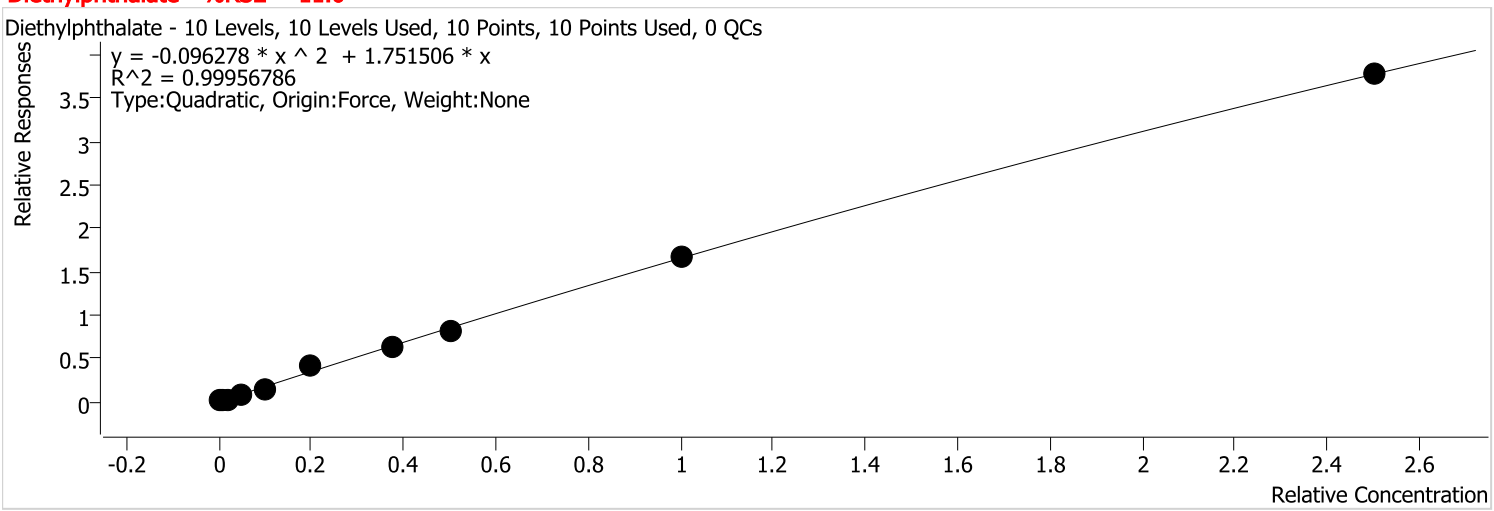
Fluorene %RSE = 10.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	1716	10.0000	1.6696	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	2968	20.0000	1.4249	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	6088	40.0000	1.4904	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	14360	100.0000	1.5492	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	28320	200.0000	1.4757	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	78632	400.0000	1.9283	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	121208	750.0000	1.5595	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	156518	1000.0000	1.5448	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	311703	2000.0000	1.5426	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	724685	5000.0000	1.4816	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:28 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

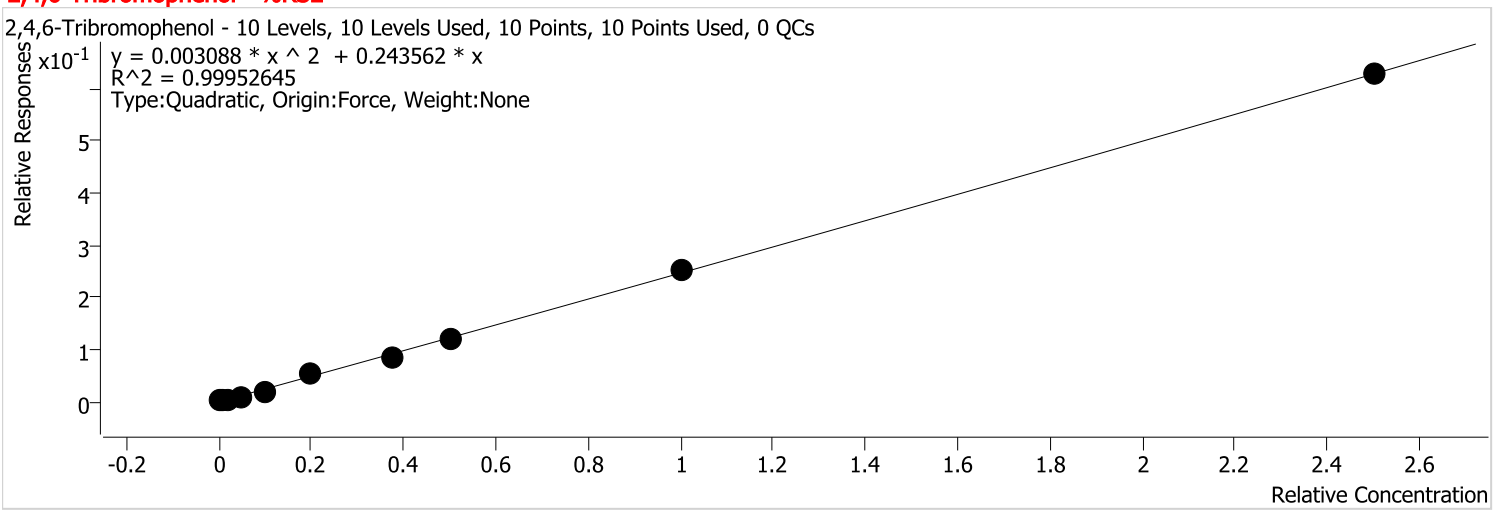
Diethylphthalate %RSE = 11.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	1894	10.0000	1.8429	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	3138	20.0000	1.5065	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	6506	40.0000	1.5926	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	14886	100.0000	1.6060	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	29974	200.0000	1.5619	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	83897	400.0000	2.0574	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	129904	750.0000	1.6714	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	168158	1000.0000	1.6597	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	335871	2000.0000	1.6622	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	738943	5000.0000	1.5107	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:28 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

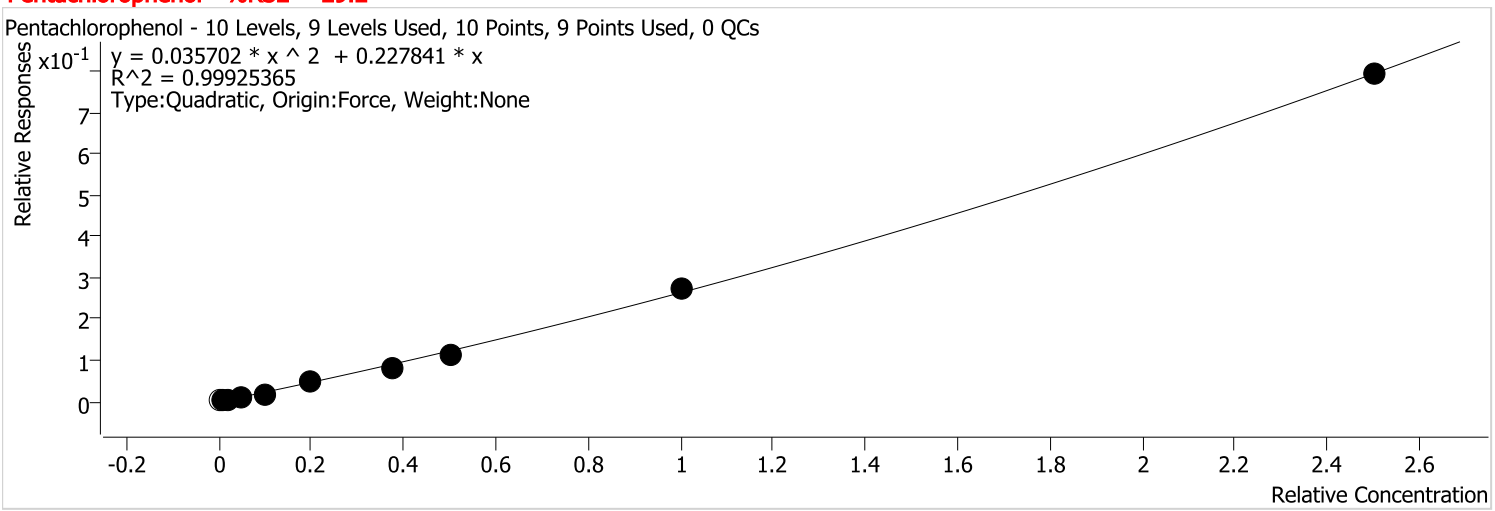
2,4,6-Tribromophenol %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	202	10.0000	0.1965	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	327	20.0000	0.1571	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	657	40.0000	0.1608	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	1727	100.0000	0.1864	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	3539	200.0000	0.1844	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	10906	400.0000	0.2675	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	17750	750.0000	0.2284	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	23929	1000.0000	0.2362	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	51064	2000.0000	0.2527	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	122779	5000.0000	0.2510	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:28 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

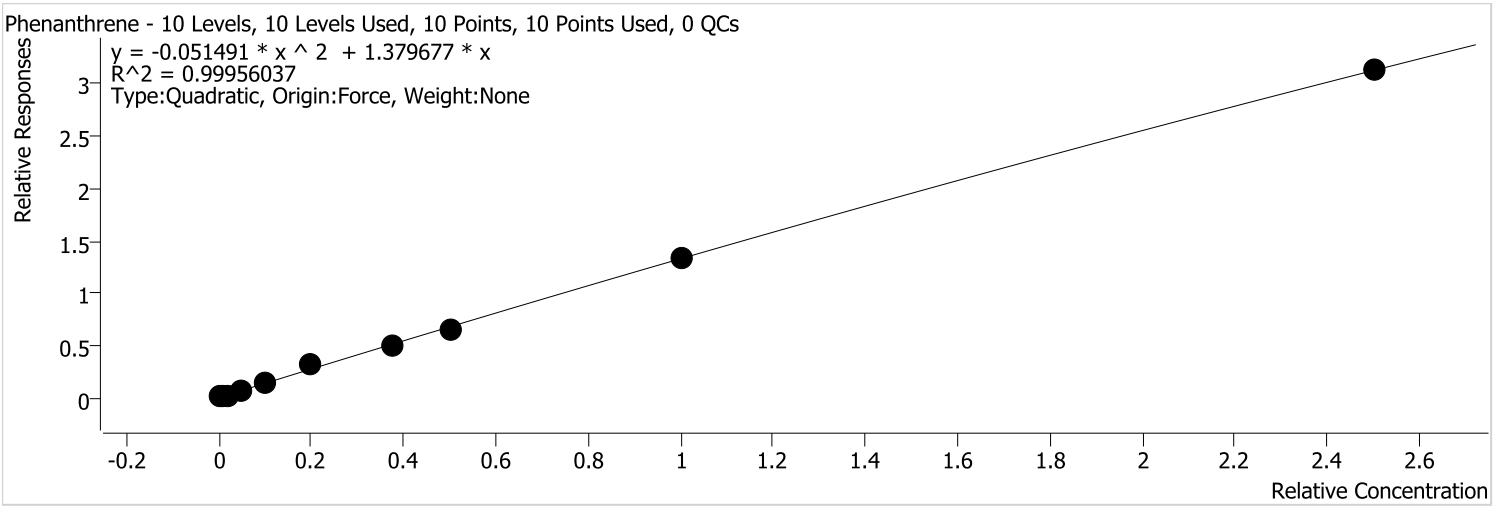
Pentachlorophenol %RSE = 29.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	327	20.0000	0.1570	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	543	40.0000	0.1328	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	1392	100.0000	0.1502	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	3009	200.0000	0.1568	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	9691	400.0000	0.2377	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	16446	750.0000	0.2116	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	23486	1000.0000	0.2318	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	55669	2000.0000	0.2755	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	154834	5000.0000	0.3165	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:28 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

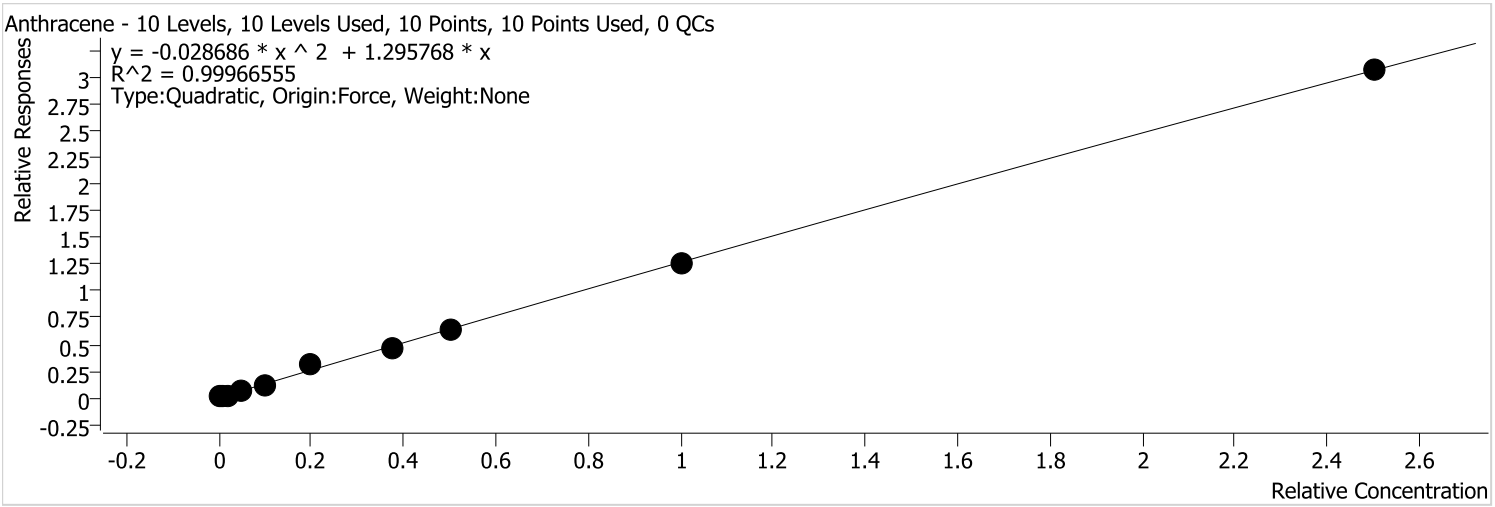
Phenanthrene %RSE = 12.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	2718	10.0000	1.7054	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	4541	20.0000	1.3768	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	8796	40.0000	1.3637	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	20462	100.0000	1.3994	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	40398	200.0000	1.3183	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	109864	400.0000	1.6617	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	168252	750.0000	1.3350	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	215983	1000.0000	1.3260	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	440797	2000.0000	1.3254	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	968390	5000.0000	1.2513	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:28 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

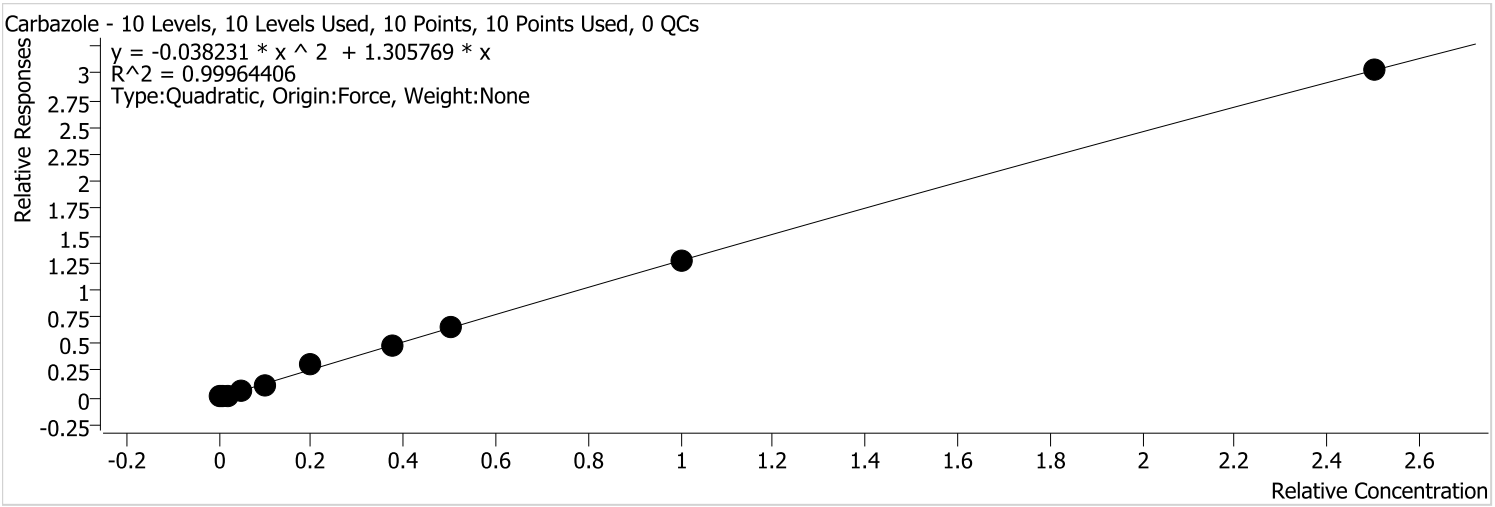
Anthracene %RSE = 10.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	2210	10.0000	1.3866	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	3727	20.0000	1.1300	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	7470	40.0000	1.1581	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	17845	100.0000	1.2204	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	36037	200.0000	1.1760	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	101556	400.0000	1.5360	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	158795	750.0000	1.2600	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	208544	1000.0000	1.2803	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	418917	2000.0000	1.2596	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	947662	5000.0000	1.2245	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:28 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

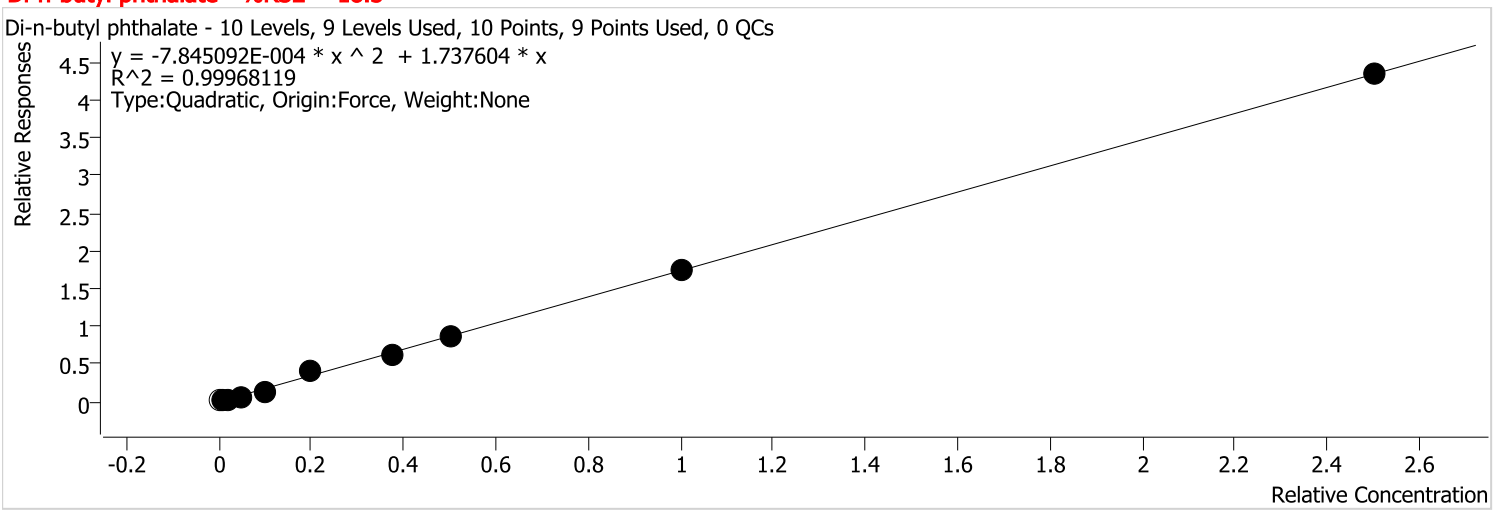
Carbazole %RSE = 16.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	1946	10.0000	1.2208	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	3223	20.0000	0.9773	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	6548	40.0000	1.0152	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	16152	100.0000	1.1046	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	34285	200.0000	1.1188	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	101447	400.0000	1.5344	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	159248	750.0000	1.2636	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	209677	1000.0000	1.2873	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	419831	2000.0000	1.2624	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	936825	5000.0000	1.2105	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:28 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

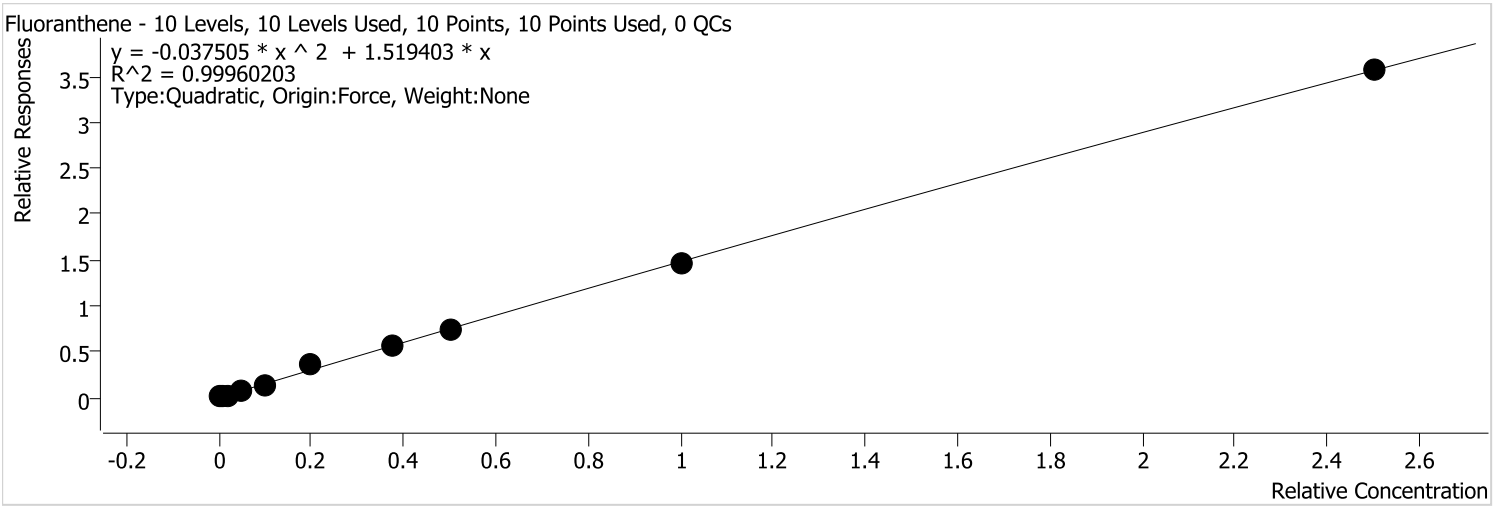
Di-n-butyl phthalate %RSE = 18.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1		2688	10.0000	1.6864	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	4366	20.0000	1.3237	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	8574	40.0000	1.3292	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	21032	100.0000	1.4384	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	43169	200.0000	1.4087	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	131609	400.0000	1.9905	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	211103	750.0000	1.6750	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	277510	1000.0000	1.7037	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	582558	2000.0000	1.7517	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	1342790	5000.0000	1.7351	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:28 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

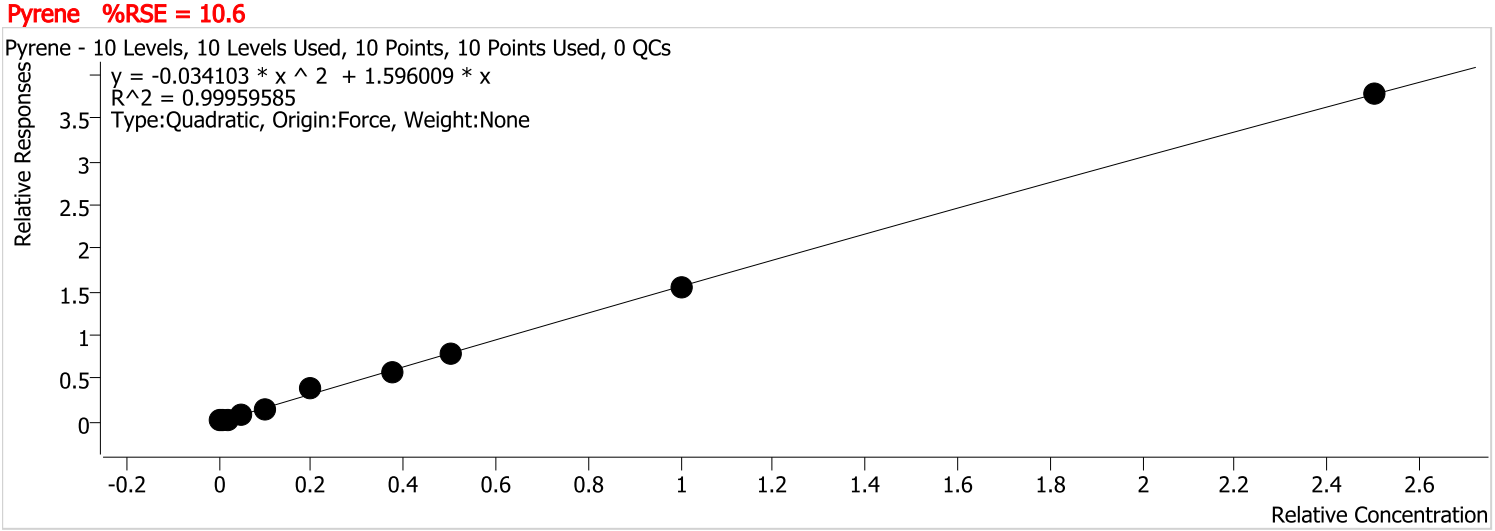
Fluoranthene %RSE = 10.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	2619	10.0000	1.6434	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	4443	20.0000	1.3472	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	8816	40.0000	1.3668	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	21442	100.0000	1.4664	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	42638	200.0000	1.3914	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	120968	400.0000	1.8296	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	187095	750.0000	1.4845	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	243165	1000.0000	1.4929	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	489367	2000.0000	1.4715	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	1103822	5000.0000	1.4263	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:28 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

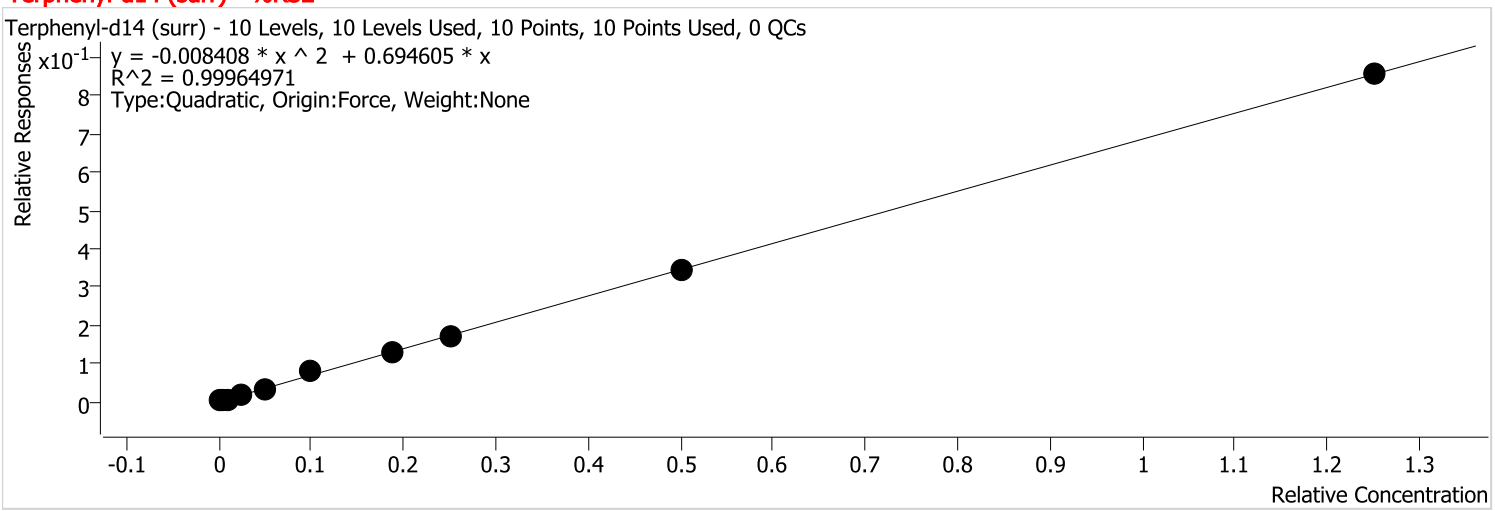
Pyrene %RSE = 10.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	2850	10.0000	1.7880	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	4781	20.0000	1.4497	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	9633	40.0000	1.4934	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	22870	100.0000	1.5641	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	45467	200.0000	1.4837	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	127618	400.0000	1.9302	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	197360	750.0000	1.5660	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	255965	1000.0000	1.5715	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	515109	2000.0000	1.5489	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	1169799	5000.0000	1.5115	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:28 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

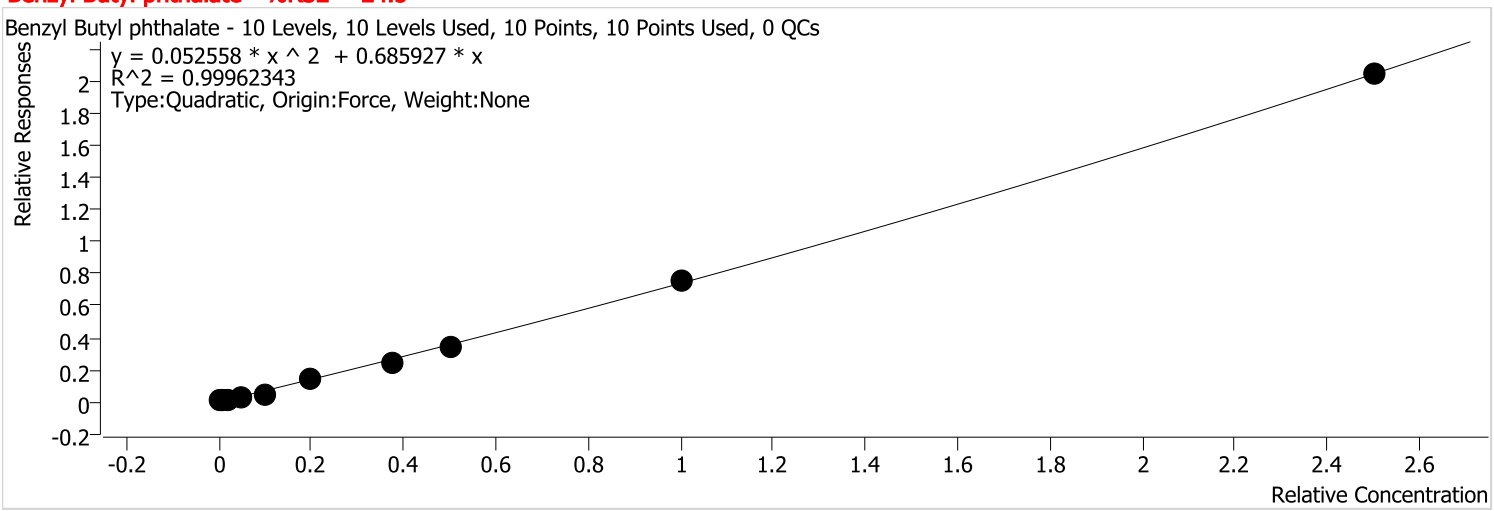
Terphenyl-d14 (surr) %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	616	5.0000	0.7726	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	1017	10.0000	0.6167	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	2017	20.0000	0.6253	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	4856	50.0000	0.6642	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	9621	100.0000	0.6279	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	27616	200.0000	0.8354	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	42955	375.0000	0.6817	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	55873	500.0000	0.6860	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	114299	1000.0000	0.6874	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	264799	2500.0000	0.6843	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:28 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

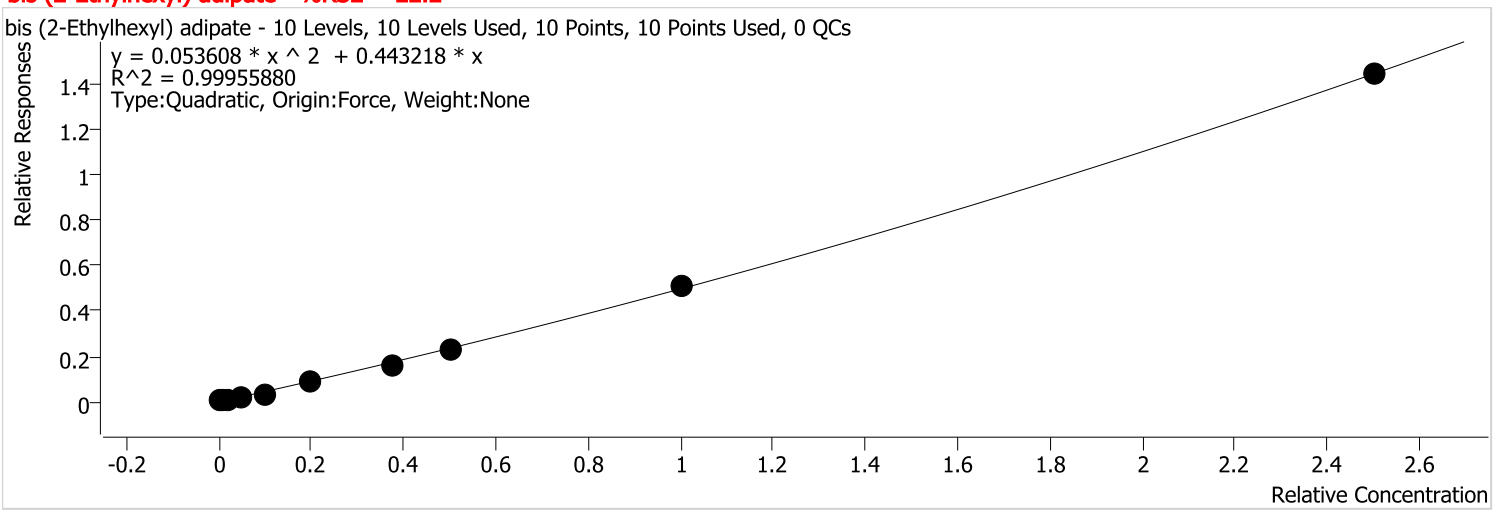
Benzyl Butyl phthalate %RSE = 24.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	974	10.0000	0.6113	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	1544	20.0000	0.4681	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	2867	40.0000	0.4444	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	7248	100.0000	0.4957	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	14764	200.0000	0.4818	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	49974	400.0000	0.7558	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	82841	750.0000	0.6573	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	113196	1000.0000	0.6950	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	250944	2000.0000	0.7546	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	631962	5000.0000	0.8166	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:28 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

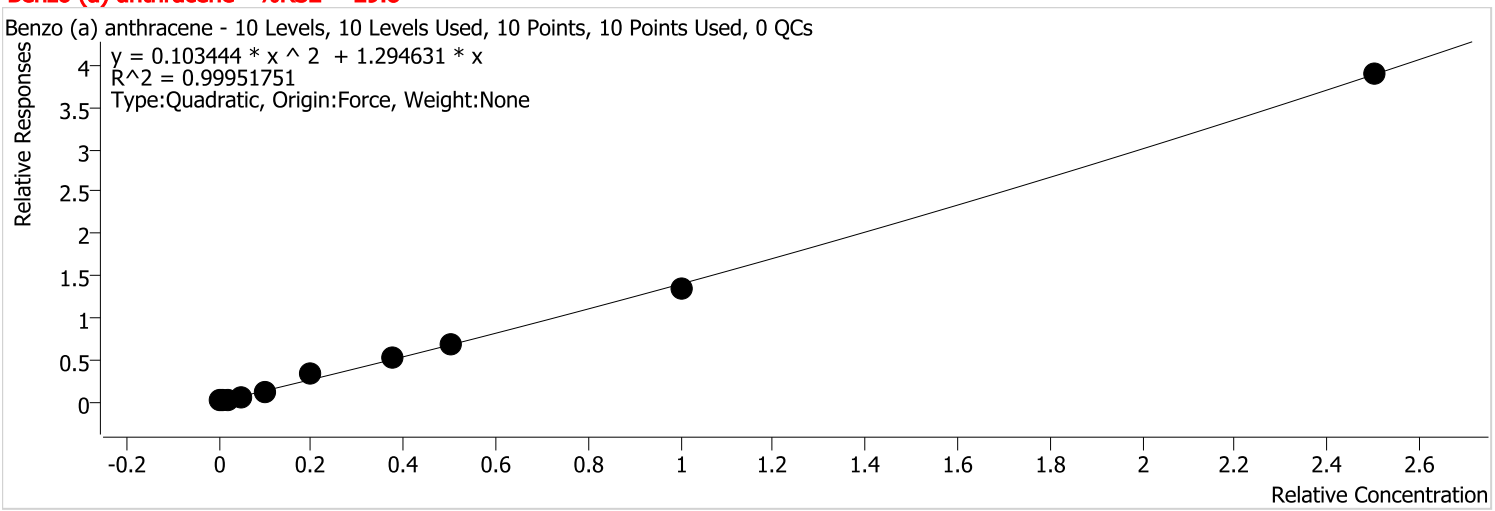
bis (2-Ethylhexyl) adipate %RSE = 22.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	656	10.0000	0.4114	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	1069	20.0000	0.3242	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	1940	40.0000	0.3007	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	4834	100.0000	0.3306	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	9706	200.0000	0.3167	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	31429	400.0000	0.4754	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	53075	750.0000	0.4211	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	73816	1000.0000	0.4532	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	170351	2000.0000	0.5122	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	446183	5000.0000	0.5765	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:28 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

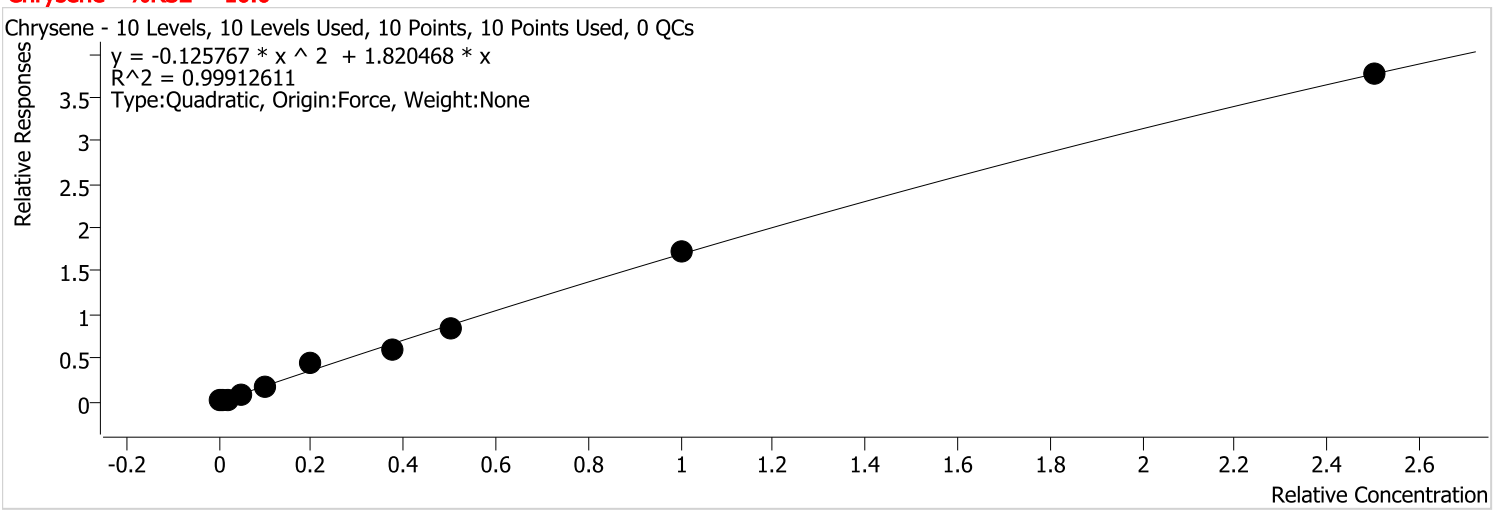
Benzo (a) anthracene %RSE = 29.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	4924	20.0000	1.4930	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	9836	40.0000	1.5249	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	18562	100.0000	1.2695	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	37084	200.0000	1.2102	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	106022	400.0000	1.6035	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	179064	750.0000	1.4208	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	222277	1000.0000	1.3646	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	451734	2000.0000	1.3583	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	1203594	5000.0000	1.5552	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:28 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

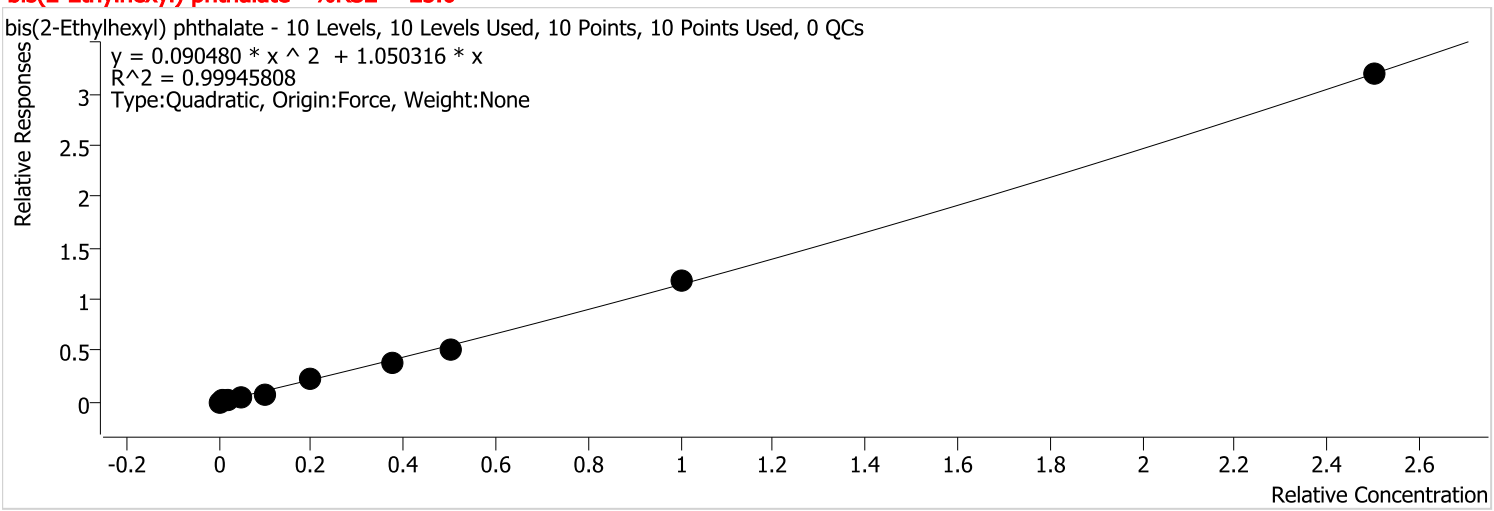
Chrysene %RSE = 10.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	4612	20.0000	1.7646	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	8110	40.0000	1.6198	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	22519	100.0000	1.8917	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	43183	200.0000	1.7679	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	118281	400.0000	2.1704	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	165935	750.0000	1.6208	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	231158	1000.0000	1.6916	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	470044	2000.0000	1.7245	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	978256	5000.0000	1.5050	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:29 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

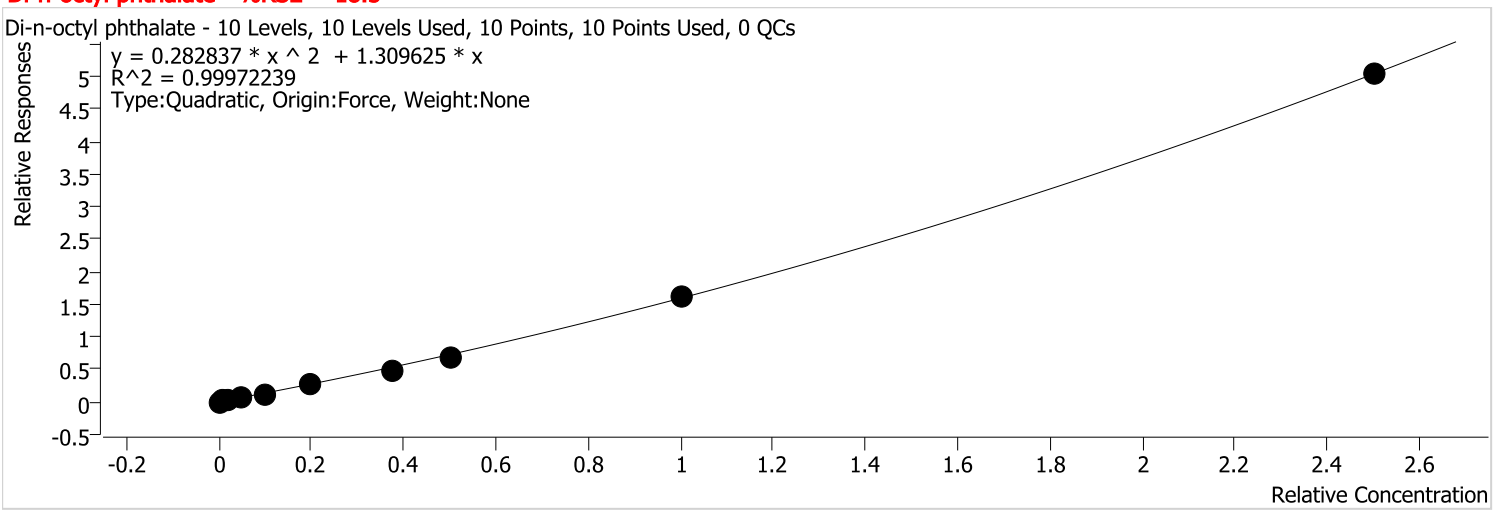
bis(2-Ethylhexyl) phthalate %RSE = 25.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	1089	10.0000	0.8550	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	1826	20.0000	0.6986	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	3527	40.0000	0.7045	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	8949	100.0000	0.7518	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	18180	200.0000	0.7443	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	61203	400.0000	1.1231	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	103643	750.0000	1.0124	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	140700	1000.0000	1.0296	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	321711	2000.0000	1.1803	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	828597	5000.0000	1.2748	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:29 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

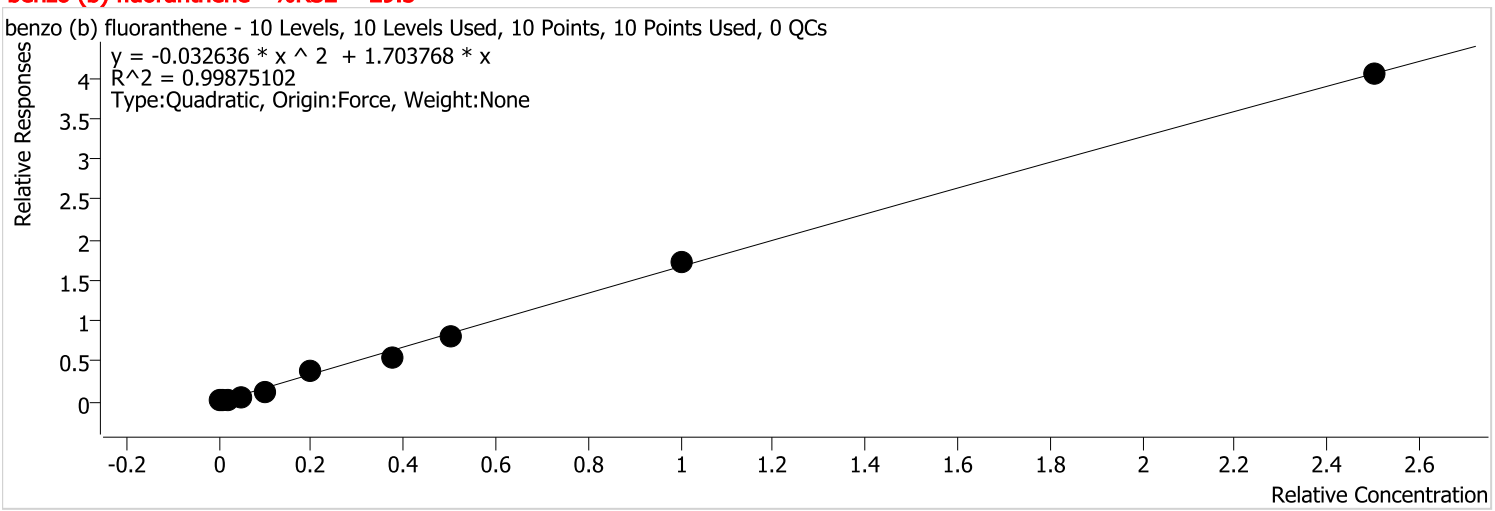
Di-n-octyl phthalate %RSE = 18.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	1451	10.0000	1.1397	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	2670	20.0000	1.0215	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	4970	40.0000	0.9927	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	12036	100.0000	1.0111	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	25101	200.0000	1.0277	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	77563	400.0000	1.4233	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	135379	750.0000	1.3223	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	188303	1000.0000	1.3780	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	446573	2000.0000	1.6384	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	1309547	5000.0000	2.0147	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:29 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

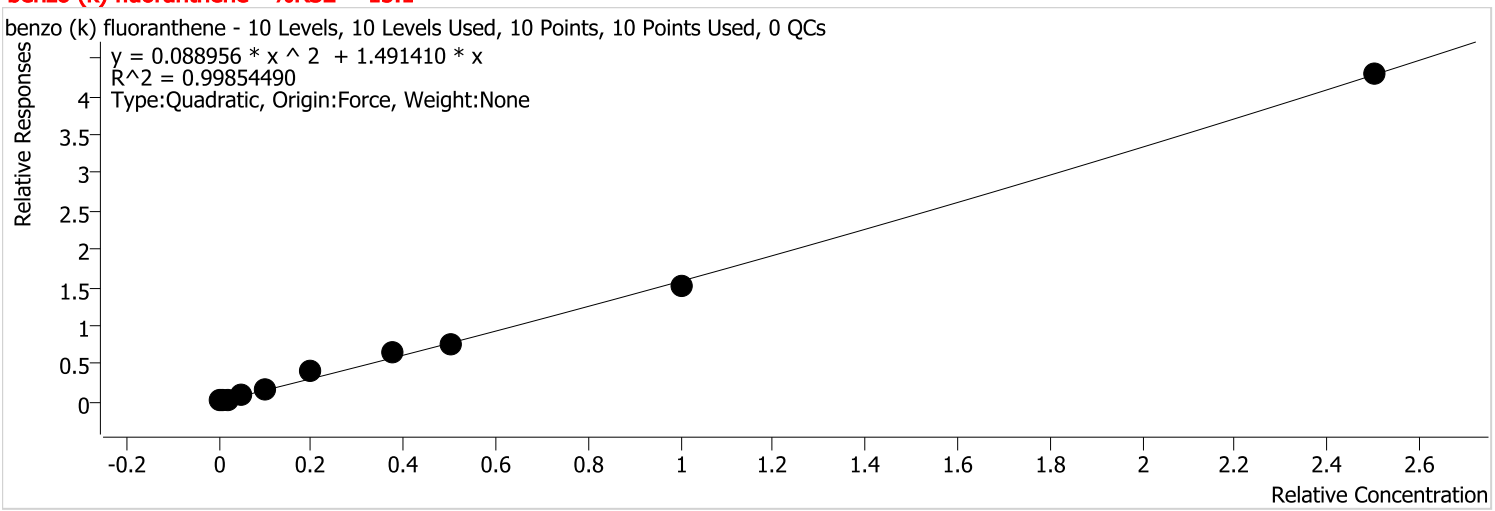
benzo (b) fluoranthene %RSE = 29.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	1482	10.0000	1.1637	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	2784	20.0000	1.0652	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	5126	40.0000	1.0238	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	13919	100.0000	1.1693	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	30673	200.0000	1.2558	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	100066	400.0000	1.8362	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	146992	750.0000	1.4358	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	224087	1000.0000	1.6398	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	474068	2000.0000	1.7393	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	1052374	5000.0000	1.6190	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:29 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

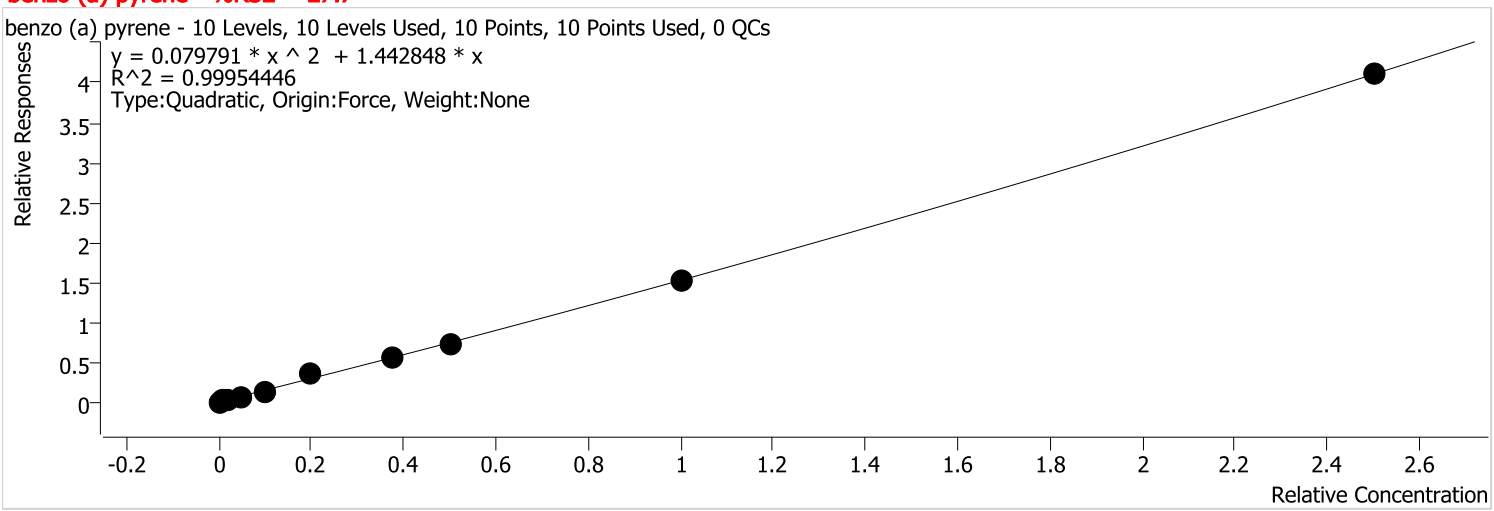
benzo (k) fluoranthene %RSE = 15.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	2041	10.0000	1.6026	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	3247	20.0000	1.2423	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	7364	40.0000	1.4708	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	18412	100.0000	1.5467	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	37929	200.0000	1.5528	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	108124	400.0000	1.9840	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	181697	750.0000	1.7748	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	204663	1000.0000	1.4977	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	412434	2000.0000	1.5132	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	1116266	5000.0000	1.7173	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:29 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

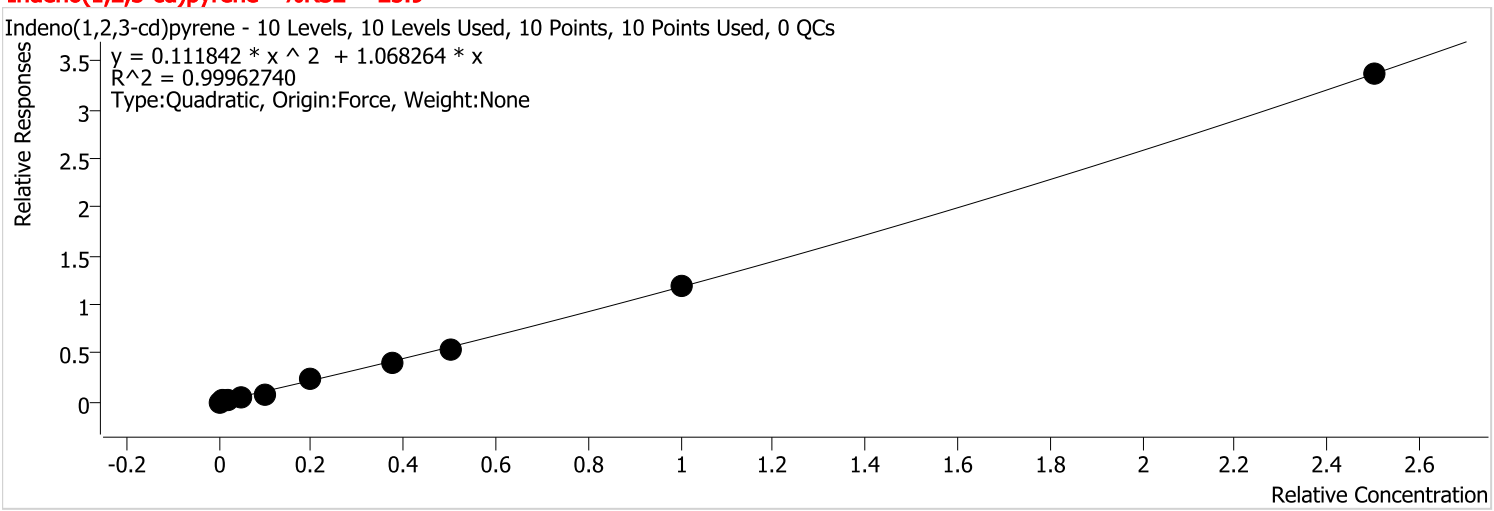
benzo (a) pyrene %RSE = 27.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	1349	10.0000	1.0590	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	2305	20.0000	0.8819	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	4756	40.0000	0.9499	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	11997	100.0000	1.0078	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	26076	200.0000	1.0676	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	94904	400.0000	1.7415	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	151840	750.0000	1.4831	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	193099	1000.0000	1.4131	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	418335	2000.0000	1.5348	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	1067280	5000.0000	1.6420	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:29 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

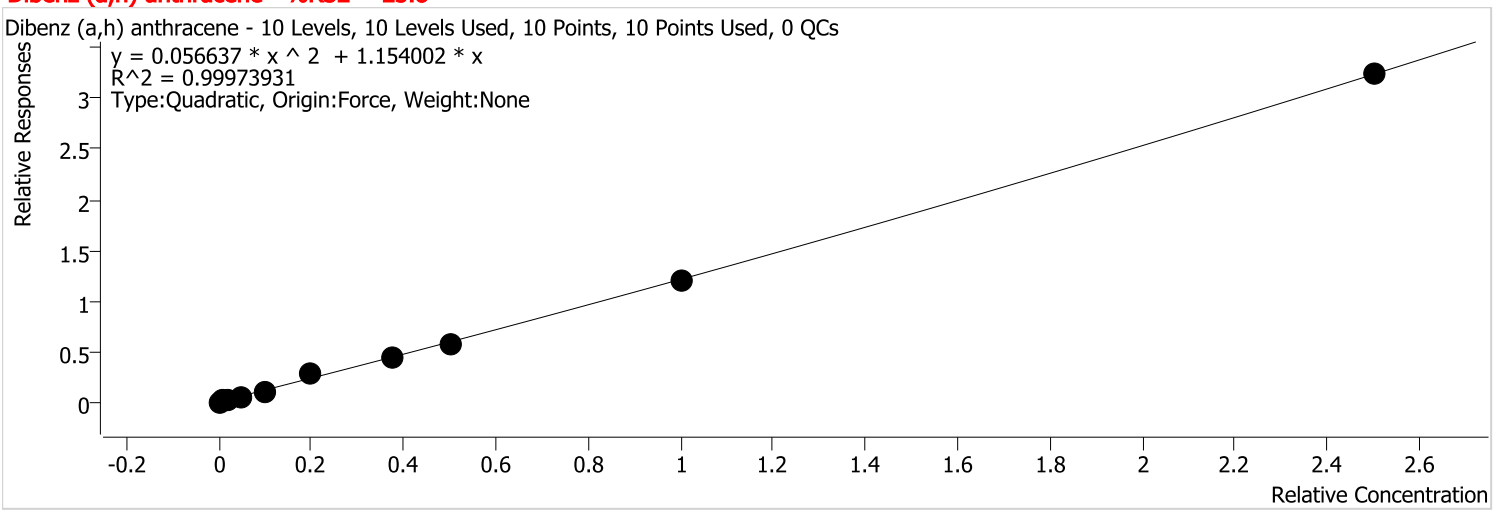
Indeno(1,2,3-cd)pyrene %RSE = 25.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	1095	10.0000	0.8452	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	1847	20.0000	0.6980	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	3512	40.0000	0.6921	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	8957	100.0000	0.7588	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	19189	200.0000	0.7712	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	66224	400.0000	1.2012	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	112630	750.0000	1.1026	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	143749	1000.0000	1.0531	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	328937	2000.0000	1.2051	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	903333	5000.0000	1.3468	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:29 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

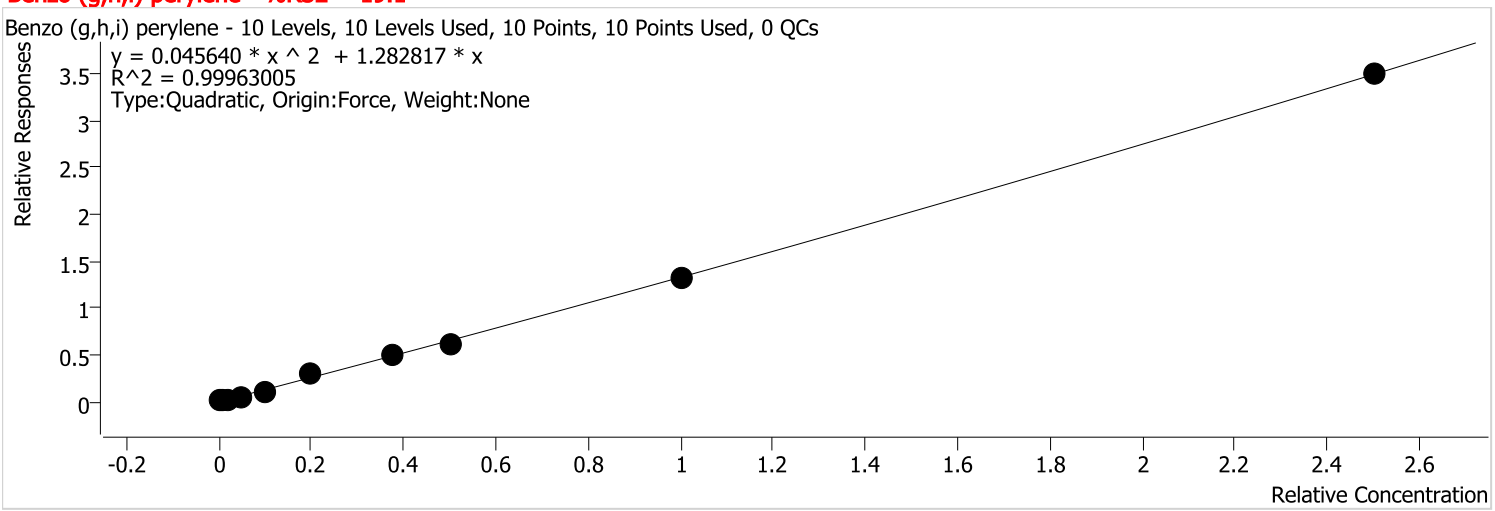
Dibenz (a,h) anthracene %RSE = 23.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	1094	10.0000	0.8447	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	2042	20.0000	0.7716	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	3954	40.0000	0.7792	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	10711	100.0000	0.9075	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	23473	200.0000	0.9433	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	74850	400.0000	1.3577	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	121214	750.0000	1.1866	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	157817	1000.0000	1.1561	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	330308	2000.0000	1.2101	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	869049	5000.0000	1.2957	

Batch Path	C:\GC-14\Data\2024\112024\QuantResults\PAH ICAL B.batch.bin		
Analysis Time	11/22/2024 1:40 PM	**Analyst Name**	FA\GC14
Report Time	11/22/2024 1:44:29 PM	**Reporter Name**	FA\GC14
Last Calib Update	11/22/2024 1:38 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Benzo (g,h,i) perylene %RSE = 19.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2024\112024\112058.D	Calibration	1	x	1456	10.0000	1.1243	
C:\GC-14\Data\2024\112024\112059.D	Calibration	2	x	2430	20.0000	0.9182	
C:\GC-14\Data\2024\112024\112060.D	Calibration	3	x	4696	40.0000	0.9255	
C:\GC-14\Data\2024\112024\112061.D	Calibration	4	x	12587	100.0000	1.0664	
C:\GC-14\Data\2024\112024\112062.D	Calibration	5	x	27869	200.0000	1.1200	
C:\GC-14\Data\2024\112024\112063.D	Calibration	6	x	83827	400.0000	1.5205	
C:\GC-14\Data\2024\112024\112064.D	Calibration	7	x	139708	750.0000	1.3676	
C:\GC-14\Data\2024\112024\112065.D	Calibration	8	x	171221	1000.0000	1.2543	
C:\GC-14\Data\2024\112024\112066.D	Calibration	9	x	360829	2000.0000	1.3219	
C:\GC-14\Data\2024\112024\112067.D	Calibration	10	x	937259	5000.0000	1.3974	

Semivolatile Calibration

		Cal		ICV
Date:	11/13/24	8270 Megamix:	29691	8270 Megamix: 30153
Analyst:	Ramiro Garcia	2,4-DNP:	30057	2,4-DNP: 26831
MeCl2:	8190	Benzoic Acid:	30095	Benzoic Acid: 30330
8270 Surrogate:	30166	Benzidines:	SVOC 1005: 30156	Benzidines: 28495
Internal Standard:	~~30580~~ RG 4/13 30581			TPPH: 26313

Spike Conc. (ppb)	BN/Acid Surr Conc. (ppb)	2° Spike (uL)	B/N Surr (uL)	Internal Standard (uL)	Remove (uL)	Final Vol. (mL)	Comments
2	2/1	0.2	--	10	10.2	1	For PAH-LL Cal Only
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	~~50~~ 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		5	10	15	1	
ICV (1000 ppb)	1000/500	100 (2° SS)	--	10	110	1	

	Mega Mix (uL)	2,4-DNP (uL)	Benzoic Acid	8270 Surr	~~Benzidine~~	~~Final~~
2° Intermediate (cal)	1000	1000	1000	5000	~~50~~	100
2° Intermediate (SS)	100	100	100	500	50	10

SURROGATE: 1000 mL
TPPH: 2000 mL

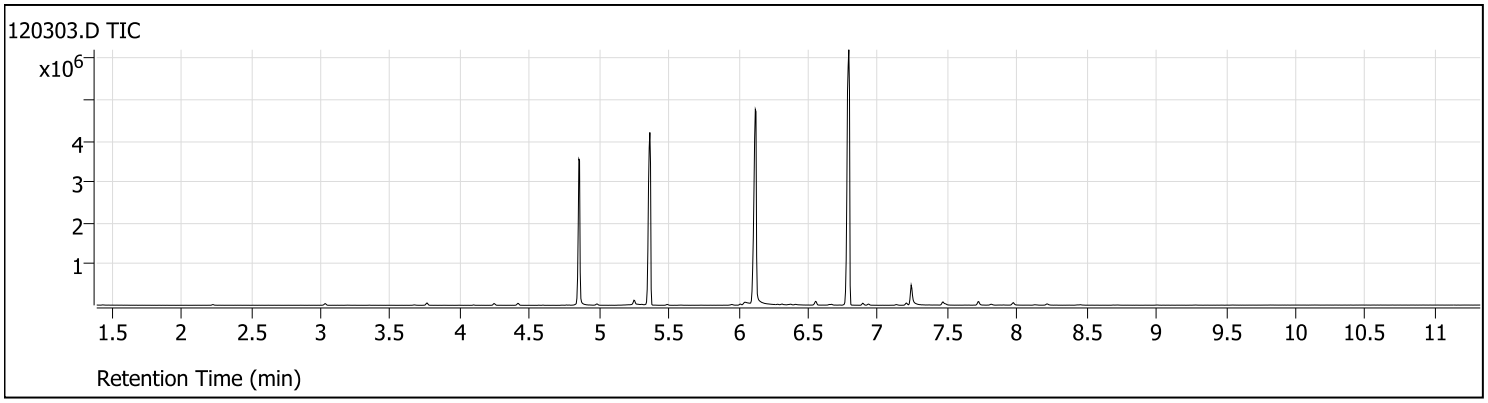
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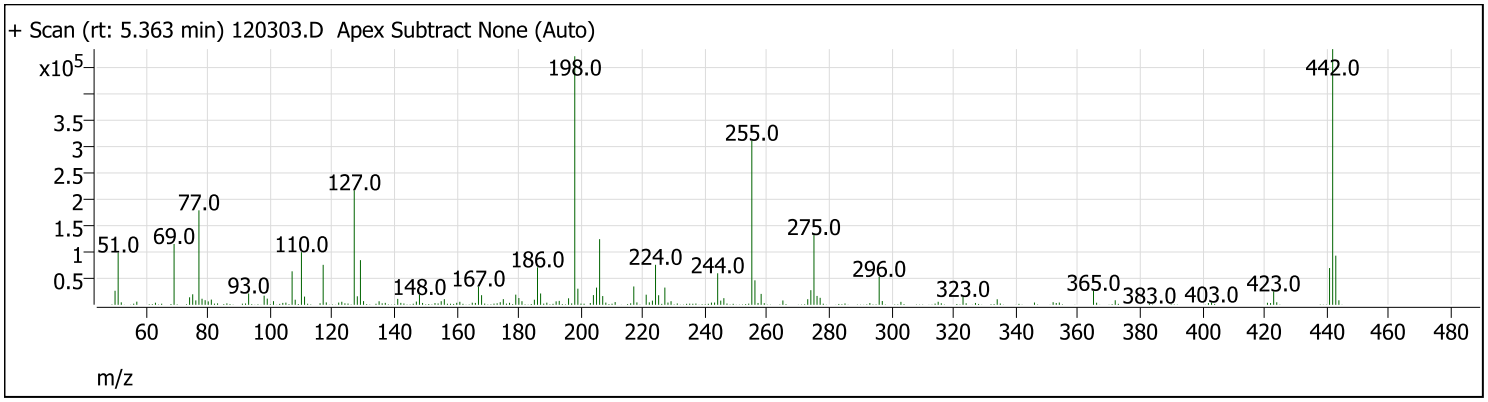
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Tunes

Tune Evaluation Report

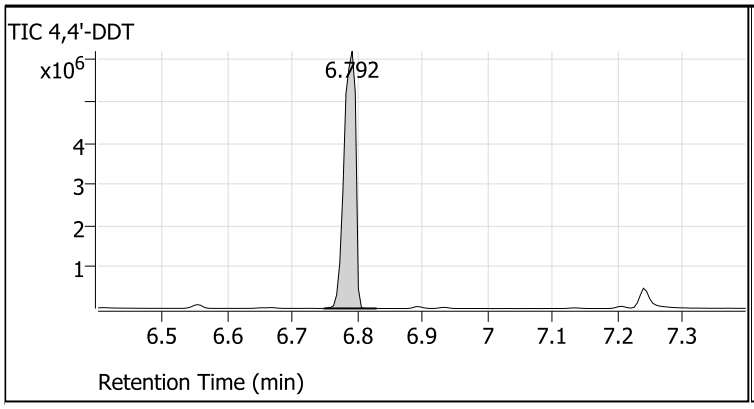
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Operator:	FA\GC14
Sample:	tune
Inst Name:	GC-14
ALS Vial:	1
Method:	C:\GC-14\Methods\Quant Methods\TUNE\DFTPPwBreak&TailingGC218270E.m

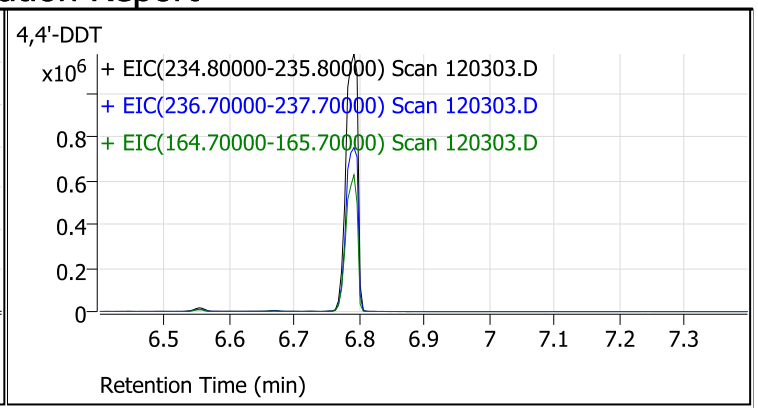


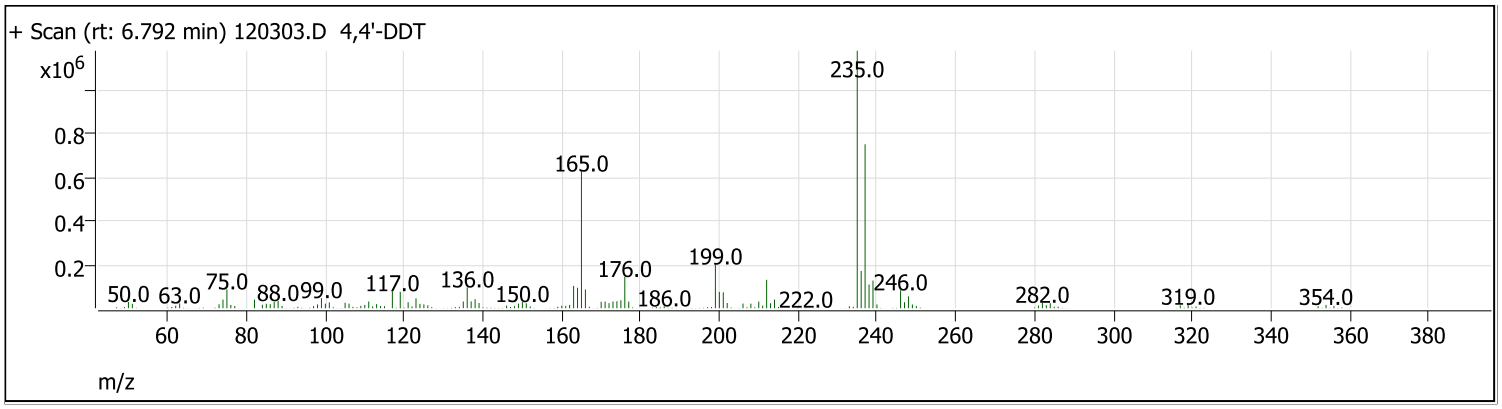


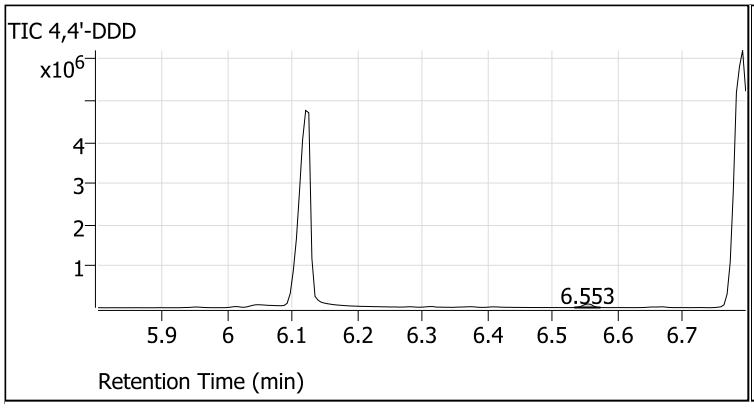
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	1.3	1547	Pass
70	69	0	2	0.7	866	Pass
197	198	0	2	0.6	2778	Pass
198	198	100	100	100.0	472384	Pass
199	198	5	9	6.5	30680	Pass
365	442	1	100	5.5	26808	Pass
441	443	1E-10	150	74.8	69920	Pass
442	442	100	100	100.0	485888	Pass
443	442	15	24	19.2	93432	Pass
69	69	100	100	100.0	115640	Pass

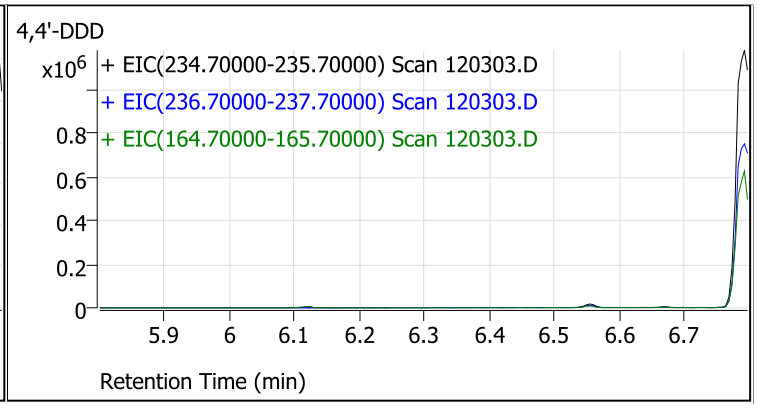
Tune Evaluation Report

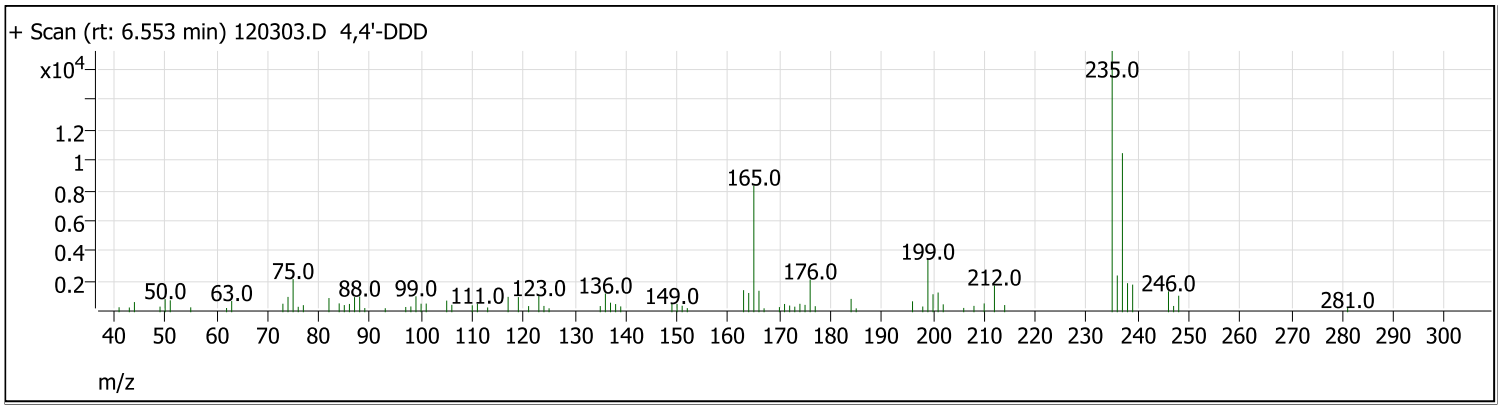






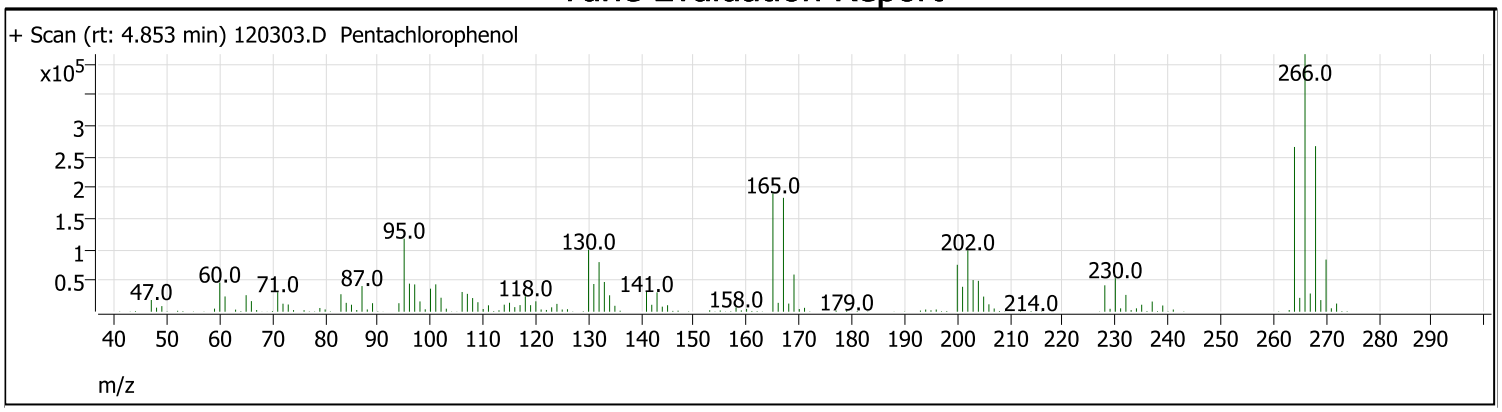


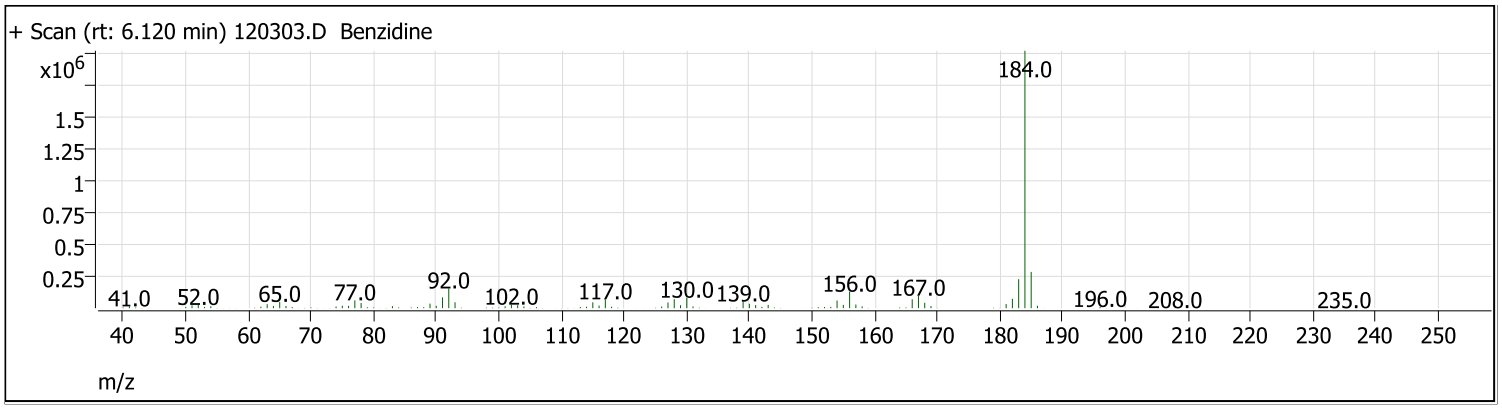




Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	6.900	6.792	7798398	1.2	Pass
4,4'-DDD	6.300	6.553	91252		

Tune Evaluation Report

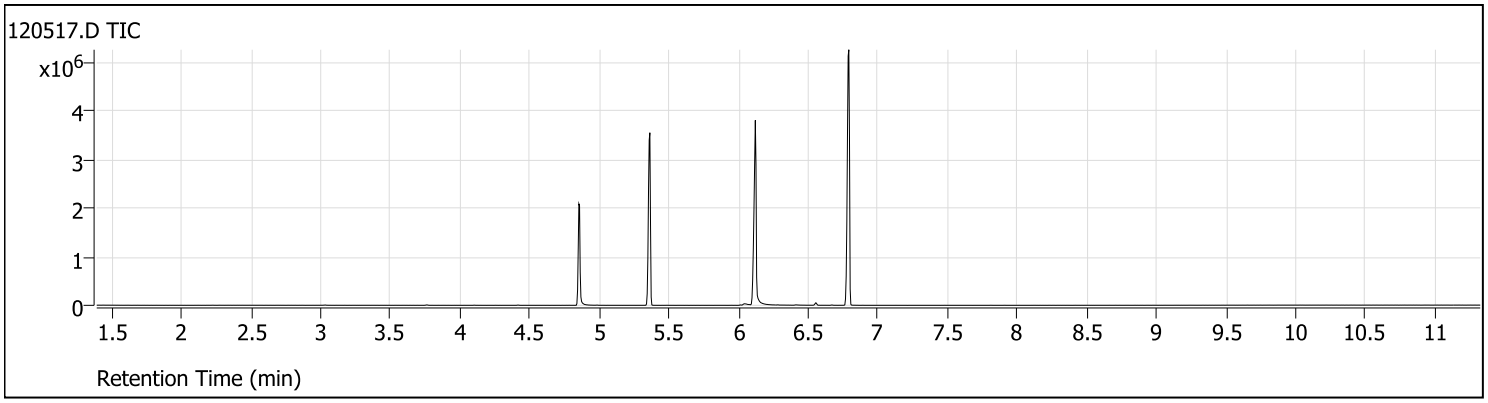


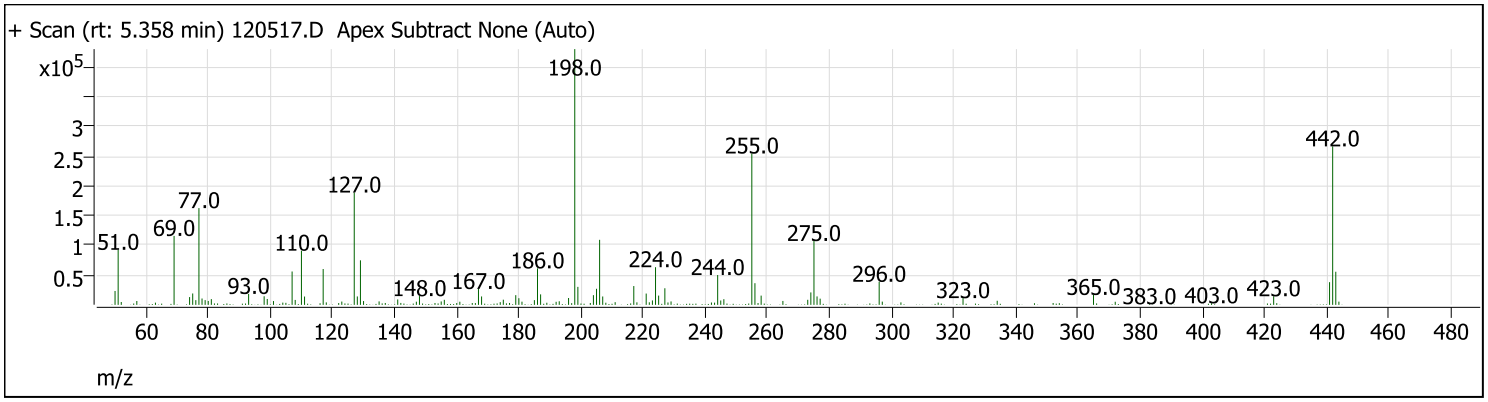


Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	4.200	4.853	1.0	4.0	Pass
Benzidine	6.250	6.120	0.6	2.7	Pass

Tune Evaluation Report

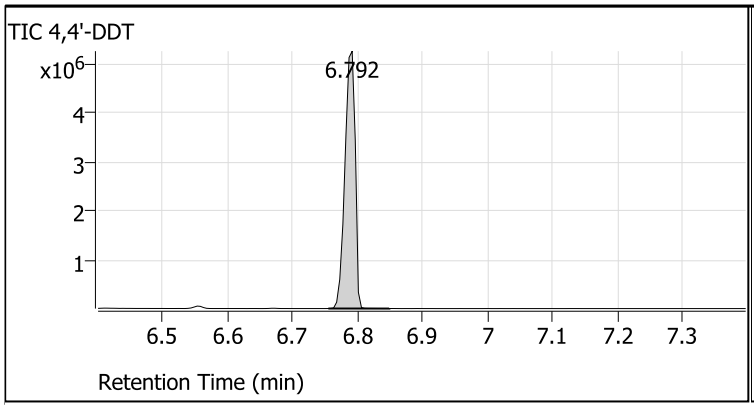
Data Path:	C:\GC-14\Data\2024\120324\120517.D
Acq on:	12/5/2024 6:53:51 PM
Operator:	FA\GC14
Sample:	tune
Inst Name:	GC-14
ALS Vial:	1
Method:	C:\GC-14\Methods\Quant Methods\TUNE\DFTPPwBreak&TailingGC218270E.m

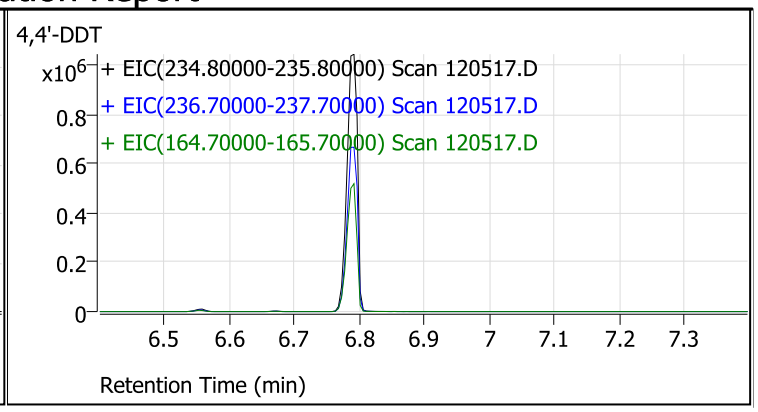


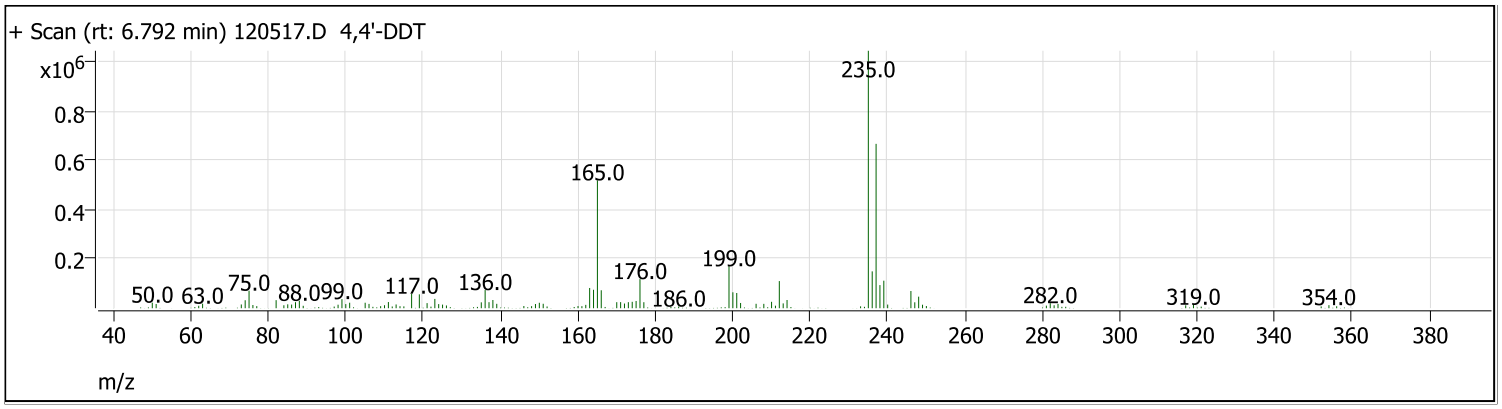


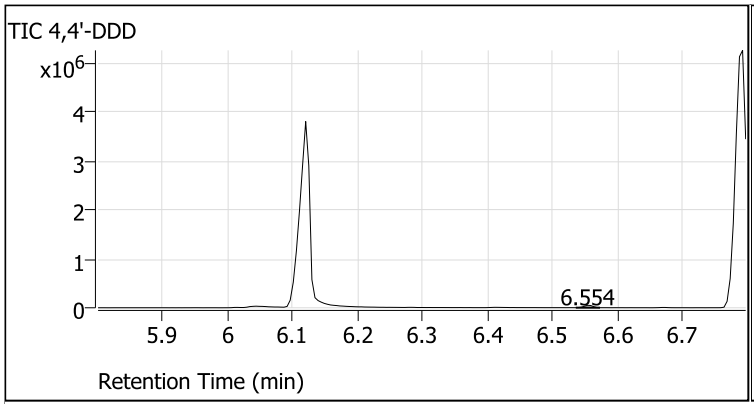
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	1.4	1625	Pass
70	69	0	2	0.4	499	Pass
197	198	0	2	0.7	2807	Pass
198	198	100	100	100.0	430016	Pass
199	198	5	9	7.0	30248	Pass
365	198	1	100	3.9	16792	Pass
441	443	1E-10	150	68.5	38152	Pass
442	442	100	100	100.0	266496	Pass
443	442	15	24	20.9	55664	Pass
69	69	100	100	100.0	115944	Pass

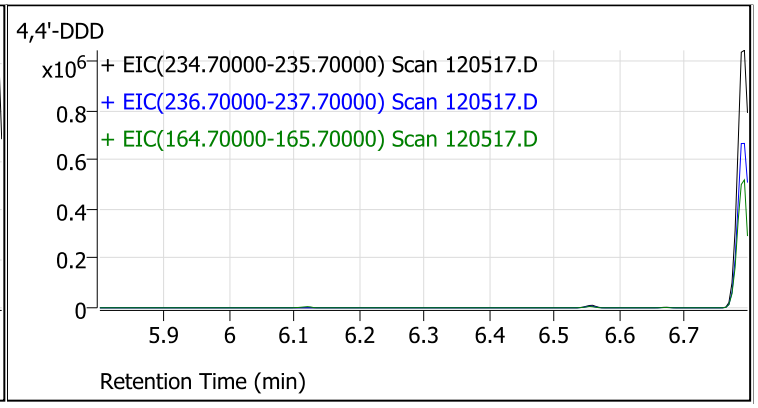
Tune Evaluation Report

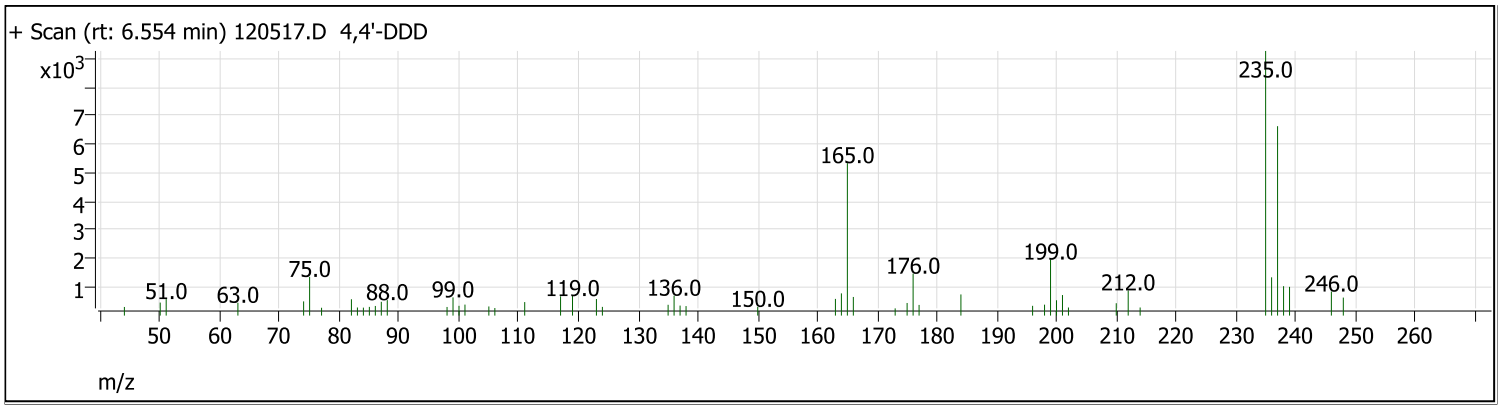






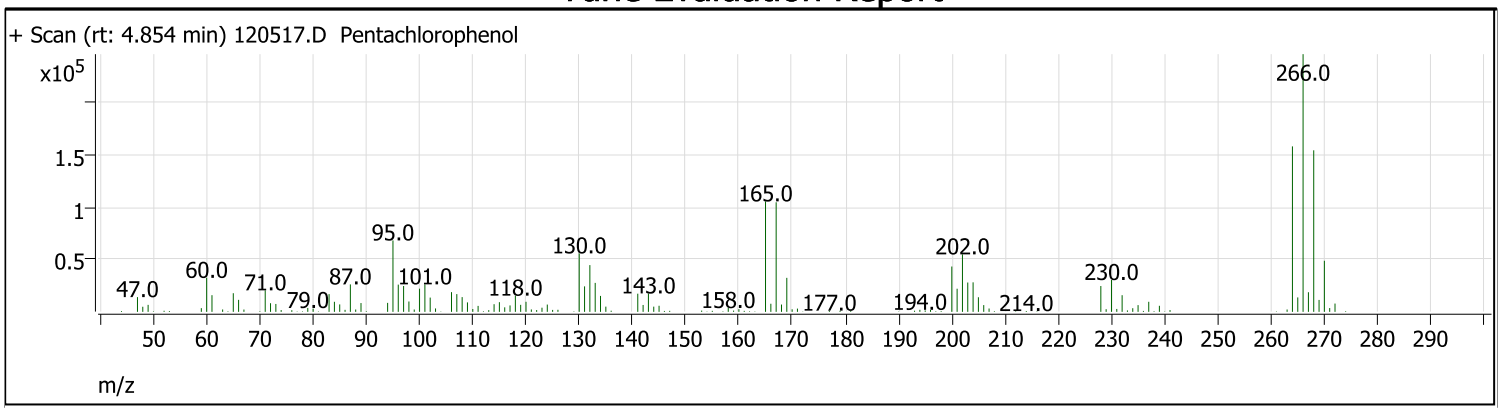


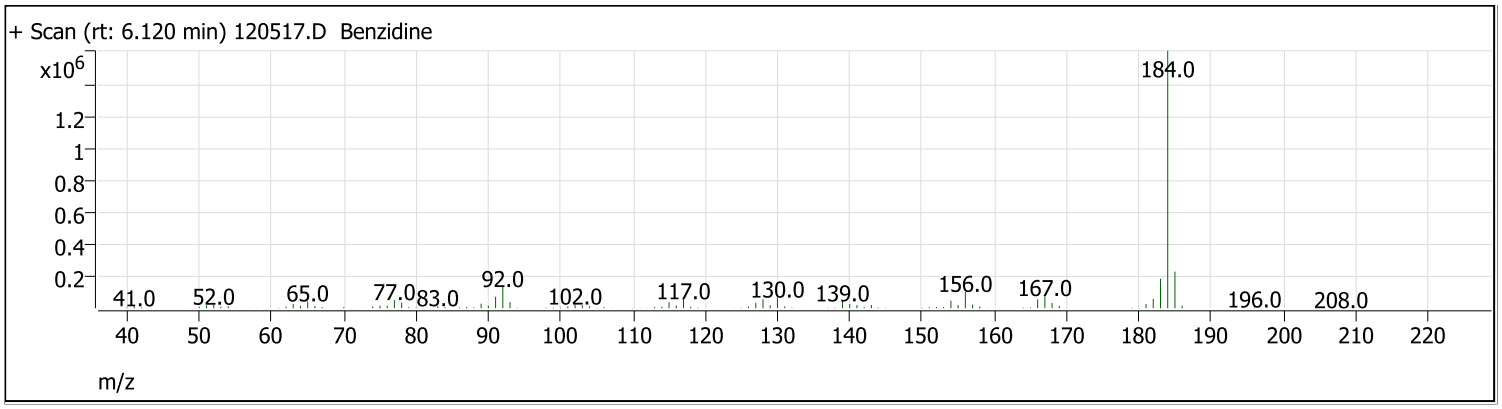




Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	6.900	6.792	5769176	0.8	Pass
4,4'-DDD	6.300	6.554	44866		

Tune Evaluation Report





Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	4.200	4.854	1.2	10.8	Pass
Benzidine	6.250	6.120	0.6	8.8	Pass

Internal Standards

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-14_241206A

CCV Name: CAL MDPT

Run No: 96174

CCV SeqNo: 2006699

Lab File ID (Standard): 112065.D

Date Analyzed: 11/21/2024

Instrument ID: GC-14

Time Analyzed: 18:17

GC Column: ID (mm): Length (M):

		IS1 (14DCBZ)		2 Acenaphthene-d		IS3 Chrysene-d12		S4 Naphthalene-d	
		AREA #	RT #	AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	0	0.000	202634	3.813	273302	7.088	460541	2.467
	UPPER LIMIT	0	0.500	405268	4.313	546604	7.588	921082	2.967
	LOWER LIMIT	0	-0.500	101317	3.313	136651	6.588	230271	1.967
	SAMPLE NO.								
01	CCV-46001A	0	0	184350	3.813	251487	7.088	426749	2.463
02	CCV-46001B	0	0	168619	3.813	237101	7.092	387998	2.463
03	QCS-46001B	0	0	166568	3.813	222684	7.088	374660	2.463

IS1 (14DCBZ) = 1,4-Dichlorobenzene-d4

IS2 Acenaphthene-d10 = Acenaphthene-d10

IS3 Chrysene-d12 = Chrysene-d12

IS4 Naphthalene-d8 = Naphthalene-d8

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-14_241206A

Run No: 96174

Lab File ID (Standard): 112065.D

Instrument ID: GC-14

GC Column: ID (mm):

CCV Name: CAL MDPT

CCV SeqNo: 2006699

Date Analyzed: 11/21/2024

Time Analyzed: 18:17

Length (M):

		S5 Perylene-d12 AREA #	RT #	6 Phenanthrene-d AREA #	RT #				
	12 HOUR STD	273006	8.139	325765	4.978				
	UPPER LIMIT	546012	8.639	651530	5.478				
	LOWER LIMIT	136503	7.639	162883	4.478				
	SAMPLE NO.								
01	CCV-46001A	270760	8.146	307870	4.972				
02	CCV-46001B	243064	8.149	274795	4.978				
03	QCS-46001B	234556	8.146	267615	4.978				

IS5 Perylene-d12 = Perylene-d12
IS6 Phenanthrene-d10 = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-14_241206A

CCV Name: CCV-46001A

Run No: 96174

CCV SeqNo: 2006717

Lab File ID (Standard): 120304.D

Date Analyzed: 12/3/2024

Instrument ID: GC-14

Time Analyzed: 11:42

GC Column: ID (mm): Length (M):

		IS1 (14DCBZ)		2 Acenaphthene-d		IS3 Chrysene-d12		S4 Naphthalene-d	
		AREA #	RT #	AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	0	0.000	184350	3.813	251487	7.088	426749	2.463
	UPPER LIMIT	0	0.500	368700	4.313	502974	7.588	853498	2.963
	LOWER LIMIT	0	-0.500	92175	3.313	125744	6.588	213375	1.963
	SAMPLE NO.								
01	MB-46001	0	0	168703	3.807	210187	7.095	400197	2.459
02	LCS-46001	0	0	166476	3.807	223902	7.088	383173	2.463
03	LCSD-46001	0	0	158837	3.807	205707	7.088	363787	2.463

IS1 (14DCBZ) = 1,4-Dichlorobenzene-d4

IS2 Acenaphthene-d10 = Acenaphthene-d10

IS3 Chrysene-d12 = Chrysene-d12

IS4 Naphthalene-d8 = Naphthalene-d8

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-14_241206A

Run No: 96174

Lab File ID (Standard): 120304.D

Instrument ID: GC-14

GC Column: ID (mm):

CCV Name: CCV-46001A

CCV SeqNo: 2006717

Date Analyzed: 12/3/2024

Time Analyzed: 11:42

Length (M):

		S5 Perylene-d12		6 Phenanthrene-d					
		AREA #	RT #	AREA #	RT #				
	12 HOUR STD	270760	8.146	307870	4.972				
	UPPER LIMIT	541520	8.646	615740	5.472				
	LOWER LIMIT	135380	7.646	153935	4.472				
	SAMPLE NO.								
01	MB-46001	237501	8.18	262042	4.979				
02	LCS-46001	244817	8.146	273529	4.978				
03	LCSD-46001	225861	8.139	267832	4.972				

IS5 Perylene-d12 = Perylene-d12

IS6 Phenanthrene-d10 = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-14_241206A

CCV Name: CCV-46001B

Run No: 96174

CCV SeqNo: 2006722

Lab File ID (Standard): 120518.D

Date Analyzed: 12/5/2024

Instrument ID: GC-14

Time Analyzed: 19:10

GC Column: ID (mm): Length (M):

		IS1 (14DCBZ)		2 Acenaphthene-d		IS3 Chrysene-d12		S4 Naphthalene-d	
		AREA #	RT #	AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	0	0.000	168619	3.813	237101	7.092	387998	2.463
	UPPER LIMIT	0	0.500	337238	4.313	474202	7.592	775996	2.963
	LOWER LIMIT	0	-0.500	84310	3.313	118551	6.592	193999	1.963
	SAMPLE NO.								
01	2411560-001F	0	0	163507	3.814	235624	7.088	356537	2.463
02	2411560-002F	0	0	157316	3.813	219015	7.088	342910	2.463
03	2411560-003F	0	0	166383	3.813	236336	7.088	358860	2.463
04	2411560-004F	0	0	165974	3.813	235989	7.088	362843	2.463

IS1 (14DCBZ) = 1,4-Dichlorobenzene-d4

IS2 Acenaphthene-d10 = Acenaphthene-d10

IS3 Chrysene-d12 = Chrysene-d12

IS4 Naphthalene-d8 = Naphthalene-d8

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-14_241206A

Run No: 96174

Lab File ID (Standard): 120518.D

Instrument ID: GC-14

GC Column: ID (mm):

CCV Name: CCV-46001B

CCV SeqNo: 2006722

Date Analyzed: 12/5/2024

Time Analyzed: 19:10

Length (M):

		S5 Perylene-d12		6 Phenanthrene-d					
		AREA #	RT #	AREA #	RT #				
	12 HOUR STD	243064	8.149	274795	4.978				
	UPPER LIMIT	486128	8.649	549590	5.478				
	LOWER LIMIT	121532	7.649	137398	4.478				
	SAMPLE NO.								
01	2411560-001F	243423	8.146	272419	4.979				
02	2411560-002F	216361	8.146	258680	4.978				
03	2411560-003F	226369	8.146	273771	4.979				
04	2411560-004F	248850	8.146	270748	4.978				

IS5 Perylene-d12 = Perylene-d12

IS6 Phenanthrene-d10 = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

Supporting Data

Fremont Analytical, Inc

PREP BATCH REPORT

Prep Start Date: **12/2/2024 4:18:35 P**
Prep End Date: **12/2/2024 5:25:50 P**
Technician: **Zachary Dilger**

Prep Factor Units: **mL / mL**

Prep Batch ID: **46001** Prep Code: **PREP-PAH-W** Method No: **SW3510C**

Sample ID	ClientSampleID		Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46001		81	Unknown	400	1	0.003	12/2/2024	12/2/2024
LCS-46001		82	Unknown	400	1	0.003	12/2/2024	12/2/2024
LCSD-46001		83	Unknown	400	1	0.003	12/2/2024	12/2/2024
2411530-001C	DRF_Markey-1126202	84	Wastewater	419.02	1	0.002	12/2/2024	12/2/2024
2411531-001D	AO-15499-11262024	85	Water	419.99	1	0.002	12/2/2024	12/2/2024
2411534-001C	FWTC	86	Water	419.79	1	0.002	12/2/2024	12/2/2024
2411548-001C	ASAI-AO-Auburn-112	87	Water	419.13	1	0.002	12/2/2024	12/2/2024
2411557-001C	Effluent 1		Water	422.68	1	0.002	12/2/2024	12/2/2024
2411557-002C	Effluent 2		Water	415.71	1	0.002	12/2/2024	12/2/2024
2411557-003C	Effluent 3		Water	420.49	1	0.002	12/2/2024	12/2/2024
2411560-001F	GEI-11-112624		Water	417.5	1	0.002	12/2/2024	12/2/2024
2411560-002F	GEI-12-112624		Water	420.2	1	0.002	12/2/2024	12/2/2024
2411560-003F	GEI-13-112624		Water	420.02	1	0.002	12/2/2024	12/2/2024
2411560-004F	DUP-112624		Water	414.31	1	0.002	12/2/2024	12/2/2024
2412006-001C	Influent		Stormwater	387.27	1	0.003	12/2/2024	12/2/2024
2412006-002C	Discharge		Stormwater	423.96	1	0.002	12/2/2024	12/2/2024
2412007-001C	Discharge		Stormwater	420.73	1	0.002	12/2/2024	12/2/2024

Polyaromatic Hydrocarbons Water Prep Bench Sheet

Analyst: ~~JD~~ AK 12/2/24 ZD	
Date and Time:	12/2/24
Batch:	45

Notes / Modifications

Final Volume Before Analysis	1 mL

Equipment	
Type	**ID**
Balance:	4
Solvent Dispenser:	5
Buchi:	3
Other:	

Bottle Roller Times	
Roller START:	8:00
Roller STOP:	5:00
Roller START:	
Roller STOP:	

Buchi Concentration Times	
Buchi START:	
Buchi STOP:	
Buchi START:	
Buchi STOP:	

Spikes / Chemicals / Reagents	Omega ID	Amount Used
8270 Spike Mix 200-400 µg/mL	~~30438~~	10 µL
8270 Surr. Mix 100-200 µg/mL	30438	10 µL
1:1 Sulfuric Acid	6937	~1 mL
pH strips	30240	1 PC/ea
Methylene Chloride	8530	70 mL
Sodium Sulfate	5337	~5 g
8270 Internal Standard 200 µg/mL	30581	10 µL *
	28983	1uL
	29957	1uL

26313 4uL ~~JD~~ 12/2/24 ~~26313 4uL~~ 30153 2uL

* 10 µL added to a 1.0 mL aliquot of extract *

Samples verified pH < 2	Initial/Date
	ZD 12/2/24

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date
	ZD 12/2/24

Dilutions	
Sample ID	**Dilution Description**

Sign and date below if you contributed to this preparation batch

Zachary D. 12/2/24

Signature: AK
PAH-W Prep Bench Sheet v1.3

Official Approval: 10/31/2023

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **12/2/2024 4:18:35 P**
Prep End Date: **12/2/2024 5:25:50 P**
Technician: **Zachary Dilger**

Prep Factor Units:
mL / mL

Prep Batch ID: **46001** Prep Code: **PREP-PAH-W** Method No: **SW3510C**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46001		Unknown	400	1	0.003	12/2/2024	12/2/2024
LCS-46001		Unknown	400	1	0.003	12/2/2024	12/2/2024
LCSD-46001		Unknown	400	1	0.003	12/2/2024	12/2/2024
2411530-001C	DRF_Markey-1126202	Wastewater	419.02	1	0.002	12/2/2024	12/2/2024
2411531-001D	AO-15499-11262024	Water	419.99	1	0.002	12/2/2024	12/2/2024
2411534-001C	FWTC	Water	419.79	1	0.002	12/2/2024	12/2/2024
2411548-001C	ASAI-AO-Auburn-112	Water	419.13	1	0.002	12/2/2024	12/2/2024
2411557-001C	Effluent 1	Water	422.68	1	0.002	12/2/2024	12/2/2024
2411557-002C	Effluent 2	Water	415.71	1	0.002	12/2/2024	12/2/2024
2411557-003C	Effluent 3	Water	420.49	1	0.002	12/2/2024	12/2/2024
2411560-001F	GEI-11-112624	Water	417.5	1	0.002	12/2/2024	12/2/2024
2411560-002F	GEI-12-112624	Water	420.2	1	0.002	12/2/2024	12/2/2024
2411560-003F	GEI-13-112624	Water	420.02	1	0.002	12/2/2024	12/2/2024
2411560-004F	DUP-112624	Water	414.31	1	0.002	12/2/2024	12/2/2024
2412006-001C	Influent	Stormwater	387.27	1	0.003	12/2/2024	12/2/2024
2412006-002C	Discharge	Stormwater	423.96	1	0.002	12/2/2024	12/2/2024
2412007-001C	Discharge	Stormwater	420.73	1	0.002	12/2/2024	12/2/2024

Reporting Checklist

Analyst: Ramiro Garcia
Date: 12/4/24, 12/6/24
Prep #: 46001, 96174
Run(s) #: 46087

Workorder(s): 2411530; 2411531; 2411534; 2411548; 557; 560; 006; 007

Analysis: O-PAH-W-SIM-625, O-PAH-W-SIM

Y/N		Reviewed
Y	**Run complete? (i.e., all QC, samples, dilutions present)**	
Y	**All QC within limits?** ____ Exceedances acceptable per QA Manual and/or Auth'd by PM____?	
	☐CCV out ☐LCS out ☐MS out ☐Blank hits ☐IS/surr out ☐RPD out ☐Hold time ☐Other_____	
	Any pending dilutions, re-extracts, or reanalysis to be completed in future run?	
N/A	**Manual entries/narratives reviewed for accuracy? (note below)** Analyst: Reviewer:	
✔	**Omega checks performed?**	
✔	SampID, Test Code, Type, Prep	
✔	PMOIST, pH	
✔	BLKref, SPKref, RPDref, CCVref	
✔	Attachments	
	☐Sequence ☐Cgrams ☐Bench Sheets ☐Perf Checks ☐Tech Doc	
✔	Related Info	
	☐ICAL Ref ☐ICAL Ack/QA'd? ☐Spiking Info/CCV Std ☐_____	
✔	Reporting Checks	
	☐Dilutions data/narr redundancy check ☐RLs OK (low wt, high pmoist, dilutions)	

Notes for Reviewer

By signing, I attest that I have followed the SOP

Ramiro Garcia 12/6/24

Analyst Date

mwdl 12/6/24

Reviewer Date

DATA SET for Review - Deliverable Requirements

Total Metals by EPA 6020B

Alliance Technical Group Work Order No. 2411560

GeoEngineers

Project Name: 701/709 South Jackson

Project Number: 24504-001-04

This data set contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information
- Internal Standards Report

Batch Log

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\241205ME .b

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
1	12/5/2024 10:56:09	<Auto tune>				Error	Semi Auto tune failed because sensitivity is too low.			ICPMS		
2	12/5/2024 11:07:15	CalBlk	CAL BLANK	1	001CALB.d	Pass		1		ICPMS		1
3	12/5/2024 11:09:46	CalBlk	CAL BLANK	1	002CALB.d	Pass		1		ICPMS		1
4	12/5/2024 11:12:28	CalBlk	CAL BLANK	1	003CALB.d	Pass		1		ICPMS		1
5	12/5/2024 11:15:08	CalStd	STANDARD 1	101	004CALS.d	Pass		1		ICPMS		2
6	12/5/2024 11:17:48	CalStd	STANDARD 2	102	005CALS.d	Pass		1		ICPMS		3
7	12/5/2024 11:20:31	CalStd	STANDARD 3	103	006CALS.d	Pass		1		ICPMS		4

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
1													
2													
3			100	1	1	100							
4													
5													
6													
7													

#	QC Failed Criteria	QC Failed Elements
1		
2		
3		
4		
5		
6		
7		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
8	12/5/2024 11:23:10	CalStd	STANDARD 4	104	007CALS.d	Pass		1		ICPMS		5
9	12/5/2024 11:25:51	CalStd	STANDARD 5	5	008CALS.d	Pass		1		ICPMS		6
10	12/5/2024 11:28:32	CalStd	STANDARD 6	106	009CALS.d	Pass		1		ICPMS		7
11	12/5/2024 11:31:13	CalStd	STANDARD 7	107	010CALS.d	Pass		1		ICPMS		8
12	12/5/2024 11:33:54	Sample	Wash	6	011SMPL.d	Pass		1		ICPMS		
13	12/5/2024 11:36:16	<Pause>				Pass				ICPMS		
14	12/5/2024 11:40:11	CalStd	STANDARD 3	103	012CALS.d	Pass		1		ICPMS		4
15	12/5/2024 11:42:54	Sample	Wash	6	013SMPL.d	Pass		1		ICPMS		
16	12/5/2024 11:45:16	<Pause>				Pass				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
8													
9													
10													
11													
12													
13													
14													
15													
16													

#	QC Failed Criteria	QC Failed Elements
8		
9		
10		
11		
12		
13		
14		
15		
16		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
17	12/5/2024 11:51:01	ICB	ICB	1	014_ICB.d	Pass		1		ICPMS		
18	12/5/2024 11:53:44	ICV	ICV	111	015_ICV.d	Fail	QC check failed.	1		ICPMS		
19	12/5/2024 11:56:22	Sample	Wash	6	016SMPL.d	Pass		1		ICPMS		
20	12/5/2024 11:59:04	ICSA	ICSA	112	017ICSA.d	Fail	QC check failed.	1		ICPMS		
21	12/5/2024 11:58:45	Sample	LDR	110		Skip				ICPMS		
22	12/5/2024 12:01:45	Sample	Wash	6	018SMPL.d	Pass		1		ICPMS		
23	12/5/2024 12:04:07	<Pause>				Pass				ICPMS		
24	12/5/2024 12:10:46	Sample	2411526-001A	401	019SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
17													
18													
19													
20													
21													
22													
23													
24													

#	QC Failed Criteria	QC Failed Elements
17		
18	Main Error1 Criteria1	He:[Pb]
19		
20	Main Error1 Criteria1	He:Cd
21		
22		
23		
24	ISTD Criteria1	No Gas:Li

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
25	12/5/2024 12:13:31	Sample	2411527-001A	402	020SMPL.d	Fail	QC check failed.	1		ICPMS		
26	12/5/2024 12:16:12	Sample	2411528-001A	403	021SMPL.d	Fail	QC check failed.	1		ICPMS		
27	12/5/2024 12:18:53	Sample	WASH	6	022SMPL.d	Fail	QC check failed.	1		ICPMS		
28	12/5/2024 12:21:32	CCV	CCV	5	023_CCV.d	Fail	QC check failed.	1		ICPMS		
29	12/5/2024 12:24:14	CCB	CCB	1	024_CCB.d	Pass		1		ICPMS		
30	12/5/2024 12:26:36	<Pause>				Pass				ICPMS		
31	12/5/2024 12:41:55	Sample	2412029-001A	404	025SMPL.d	Pass		1		ICPMS		
32	12/5/2024 12:44:38	Sample	2412039-001B	405	026SMPL.d	Pass		1		ICPMS		
33	12/5/2024 12:47:22	Sample	WASH	6	027SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
25			2										
26													
27													
28													
29													
30													
31			1000										
32			100										
33													

#	QC Failed Criteria	QC Failed Elements
25	ISTD Criteria1	No Gas:Li
26	ISTD Criteria1	No Gas:Li
27	ISTD Criteria1	No Gas:Li
28	ISTD Criteria1	No Gas:Li
29		
30		
31		

Batch Log

#	QC Failed Criteria	QC Failed Elements
32		
33		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
34	12/5/2024 12:49:45	<Pause>				Pass				ICPMS		
35	12/5/2024 12:57:04	Sample	MB-46040	406	028SMPL.d	Pass		1		ICPMS		
36	12/5/2024 12:59:48	LCS	LCS-46040	407	029_LCS.d	Fail	QC check failed.	1		ICPMS		
37	12/5/2024 13:02:28	Sample	2411524-001D	408	030SMPL.d	Pass		1		ICPMS		
38	12/5/2024 13:05:09	Sample	2411524-001DMS	409	031SMPL.d	Pass		1		ICPMS		
39	12/5/2024 13:07:49	Sample	2411524-001DMSD	410	032SMPL.d	Fail	QC check failed.	1		ICPMS		
40	12/5/2024 13:10:30	Sample	2411524-001DMSDIL	409	033SMPL.d	Pass		1		ICPMS		
42	12/5/2024 13:12:55	CCV	CCV	5		Skip				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
34													
35													
36													
37													
38													
39													
40			5	1	1	5							
42													

#	QC Failed Criteria	QC Failed Elements
34		
35		
36	Main Error1 Criteria1	No Gas:Be
37		
38		
39	Main Error1 Criteria1	He:Ca
40		
42		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
41	12/5/2024 13:13:13	Sample	2411524-001DPDS	411	034SMPL.d	Pass		1		ICPMS		
43	12/5/2024 13:12:55	CCB	CCB	1		Skip				ICPMS		
44	12/5/2024 13:15:53	CCV	CCV	5	035_CCV.d	Fail	QC check failed.	1		ICPMS		
45	12/5/2024 13:18:34	CCB	CCB	1	036_CCB.d	Pass		1		ICPMS		
46	12/5/2024 13:21:18	Sample	2411524-002D	412	037SMPL.d	Pass		1		ICPMS		
47	12/5/2024 13:23:59	Sample	2411524-003D	413	038SMPL.d	Fail	QC check failed.	1		ICPMS		
48	12/5/2024 13:26:40	Sample	2411524-004D	414	039SMPL.d	Fail	QC check failed.	1		ICPMS		
49	12/5/2024 13:29:19	Sample	2411524-005D	415	040SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
41													
43													
44													
45													
46													
47													
48													
49													

#	QC Failed Criteria	QC Failed Elements
41		
43		
44	Main Error1 Criteria1	No Gas:Be
45		
46		
47	Main Error1 Criteria1	He:Ca
48	Main Error1 Criteria1	He:Ca
49	Main Error1 Criteria1	He:Ca

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
50	12/5/2024 13:32:01	Sample	2411524-006D	416	041SMPL.d	Fail	QC check failed.	1		ICPMS		
51	12/5/2024 13:34:45	Sample	2411524-007D	417	042SMPL.d	Fail	QC check failed.	1		ICPMS		
52	12/5/2024 13:37:27	Sample	2411524-008D	418	043SMPL.d	Fail	QC check failed.	1		ICPMS		
53	12/5/2024 13:40:08	Sample	2411524-009D	419	044SMPL.d	Fail	QC check failed.	1		ICPMS		
54	12/5/2024 13:42:52	Sample	2411524-010D	420	045SMPL.d	Fail	QC check failed.	1		ICPMS		
55	12/5/2024 13:45:35	Sample	2411524-011D	421	046SMPL.d	Fail	QC check failed.	1		ICPMS		
56	12/5/2024 13:45:20	CCV	CCV	5		Skip				ICPMS		
57	12/5/2024 13:45:20	CCB	CCB	1		Skip				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
50													
51													
52													
53													
54													
55													
56													
57													

#	QC Failed Criteria	QC Failed Elements
50	Main Error1 Criteria1	He:Ca,Na
51	Main Error1 Criteria1	He:Ca,Na
52	Main Error1 Criteria1	He:Fe,Ca
53	Main Error1 Criteria1	He:Ca
54	Main Error1 Criteria1	He:Fe,Na,Mn
55	Main Error1 Criteria1	He:Ca,Na
56		
57		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
58	12/5/2024 13:48:19	CCV	CCV	5	047_CCV.d	Pass		1		ICPMS		
59	12/5/2024 13:51:02	CCB	CCB	1	048_CCB.d	Pass		1		ICPMS		
60	12/5/2024 13:53:45	Sample	2411524-012D	422	049SMPL.d	Fail	QC check failed.	1		ICPMS		
61	12/5/2024 13:56:29	Sample	2411560-001D	423	050SMPL.d	Fail	QC check failed.	1		ICPMS		
62	12/5/2024 13:59:10	Sample	2411560-002D	424	051SMPL.d	Fail	QC check failed.	1		ICPMS		
63	12/5/2024 14:01:52	Sample	2411560-003D	425	052SMPL.d	Fail	QC check failed.	1		ICPMS		
64	12/5/2024 14:04:34	Sample	2411560-004D	426	053SMPL.d	Fail	QC check failed.	1		ICPMS		
65	12/5/2024 14:07:16	Sample	WASH	6	054SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
58													
59													
60													
61													
62													
63													
64													
65													

#	QC Failed Criteria	QC Failed Elements
58		
59		
60	Main Error1 Criteria1	He:K
61	Main Error1 Criteria1	He:Ca,Na,Mg,K
62	Main Error1 Criteria1	He:Ca,Na,Mg
63	Main Error1 Criteria1	He:Ca,Na,Mg
64	Main Error1 Criteria1	He:Ca,Na,Mg,K
65		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
66	12/5/2024 14:09:58	Sample	WASH	6	055SMPL.d	Pass		1		ICPMS		
67	12/5/2024 14:12:40	Sample	MB-46042	427	056SMPL.d	Fail	QC check failed.	1		ICPMS		
68	12/5/2024 14:15:23	LCS	LCS-46042	428	057_LCS.d	Fail	QC check failed.	1		ICPMS		
69	12/5/2024 14:18:05	Sample	2411524-001C	429	058SMPL.d	Fail	QC check failed.	1		ICPMS		
70	12/5/2024 14:17:50	CCV	CCV	5		Skip				ICPMS		
71	12/5/2024 14:17:50	CCB	CCB	1		Skip				ICPMS		
72	12/5/2024 14:20:48	CCV	CCV	5	059_CCV.d	Pass		1		ICPMS		
73	12/5/2024 14:23:31	CCB	CCB	1	060_CCB.d	Pass		1		ICPMS		
74	12/5/2024 14:25:59	<Pause>				Pass				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
66													
67													
68													
69													
70													
71													
72													
73													
74													

#	QC Failed Criteria	QC Failed Elements
66		
67	ISTD Criteria1	No Gas:Li
68	ISTD Criteria1	No Gas:Li
69	ISTD Criteria1	No Gas:Li
70		
71		
72		
73		

Batch Log

#	QC Failed Criteria	QC Failed Elements
74		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
75	12/5/2024 14:29:12	LCS	LCS-46042	428	061_LCS.d	Fail	QC check failed.	1		ICPMS		
76	12/5/2024 14:31:56	Sample	2411524-001CDUP	430	062SMPL.d	Pass		1		ICPMS		
77	12/5/2024 14:34:40	Sample	2411524-001CMS	431	063SMPL.d	Fail	QC check failed.	1		ICPMS		
78	12/5/2024 14:37:22	Sample	2411524-001CMSD	432	064SMPL.d	Fail	QC check failed.	1		ICPMS		
79	12/5/2024 14:40:06	Sample	2411524-001CMSDIL	431	065SMPL.d	Pass		1		ICPMS		
80	12/5/2024 14:42:51	Sample	2411524-002C	433	066SMPL.d	Fail	QC check failed.	1		ICPMS		
81	12/5/2024 14:45:34	Sample	2411524-003C	434	067SMPL.d	Fail	QC check failed.	1		ICPMS		
82	12/5/2024 14:48:17	Sample	2411524-004C	435	068SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
75													
76													
77													
78													
79			5	1	1	5							
80													
81													
82													

#	QC Failed Criteria	QC Failed Elements
75	Main Error1 Criteria1	He:Na,Hg
76		
77	Main Error1 Criteria1	He:Ca
78	Main Error1 Criteria1	He:Ca
79		
80	Main Error1 Criteria1	He:Ca
81	Main Error1 Criteria1	He:Ca
82	Main Error1 Criteria1	He:Ca

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
83	12/5/2024 14:51:00	Sample	2411524-005C	436	069SMPL.d	Fail	QC check failed.	1		ICPMS		
84	12/5/2024 14:53:44	Sample	2411524-006C	437	070SMPL.d	Fail	QC check failed.	1		ICPMS		
85	12/5/2024 14:53:29	CCV	CCV	5		Skip				ICPMS		
86	12/5/2024 14:53:29	CCB	CCB	1		Skip				ICPMS		
87	12/5/2024 14:56:28	CCV	CCV	5	071_CCV.d	Pass		1		ICPMS		
88	12/5/2024 14:59:11	CCB	CCB	1	072_CCB.d	Pass		1		ICPMS		
89	12/5/2024 15:01:54	Sample	2411524-007C	438	073SMPL.d	Fail	QC check failed.	1		ICPMS		
90	12/5/2024 15:04:37	Sample	2411524-008C	439	074SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
83													
84													
85													
86													
87													
88													
89													
90													

#	QC Failed Criteria	QC Failed Elements
83	Main Error1 Criteria1	He:Ca
84	Main Error1 Criteria1	He:Ca,Na
85		
86		
87		
88		
89	Main Error1 Criteria1	He:Ca,Na
90	Main Error1 Criteria1	He:Fe,Ca

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
91	12/5/2024 15:07:22	Sample	2411524-009C	440	075SMPL.d	Fail	QC check failed.	1		ICPMS		
92	12/5/2024 15:10:05	Sample	2411524-010C	441	076SMPL.d	Fail	QC check failed.	1		ICPMS		
93	12/5/2024 15:12:51	Sample	2411524-011C	442	077SMPL.d	Fail	QC check failed.	1		ICPMS		
94	12/5/2024 15:15:35	Sample	2411524-012C	443	078SMPL.d	Fail	QC check failed.	1		ICPMS		
95	12/5/2024 15:18:19	Sample	2411560-001E	444	079SMPL.d	Fail		1		ICPMS		
96	12/5/2024 15:21:03	Sample	2411560-002E	445	080SMPL.d	Fail	QC check failed.	1		ICPMS		
97	12/5/2024 15:23:46	Sample	2411560-003E	446	081SMPL.d	Fail	QC check failed.	1		ICPMS		
99	12/5/2024 15:26:14	CCV	CCV	5		Skip				ICPMS		
100	12/5/2024 15:26:14	CCB	CCB	1		Skip				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
91													
92													
93													
94													
95													
96													
97													
99													
100													

#	QC Failed Criteria	QC Failed Elements
91	ISTD Criteria1	No Gas:Li
92	ISTD Criteria1	No Gas:Li
93	ISTD Criteria1	No Gas:Li
94	ISTD Criteria1	No Gas:Li
95		
96	ISTD Criteria1	No Gas:Li

Batch Log

#	QC Failed Criteria	QC Failed Elements
97	ISTD Criteria1	No Gas:Li
99		
100		

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
98	12/5/2024 15:26:29	Sample	2411560-004E	447	082SMPL.d	Fail	QC check failed.	1		ICPMS		
101	12/5/2024 15:29:15	CCV	CCV	5	083_CCV.d	Fail	QC check failed.	1		ICPMS		
102	12/5/2024 15:32:01	CCB	CCB	1	084_CCB.d	Fail	QC check failed.	1		ICPMS		
103	12/5/2024 15:34:46	Sample	2411524-001CMS	448	085SMPL.d	Fail	QC check failed.	1		ICPMS		
104	12/5/2024 15:37:31	Sample	2411524-001CMSD	449	086SMPL.d	Fail	QC check failed.	1		ICPMS		
105	12/5/2024 15:40:16	Sample	LDR	110	087SMPL.d	Fail	QC check failed.	1		ICPMS		
106	12/5/2024 15:43:01	Sample	TRURINSE	160	088SMPL.d	Fail	QC check failed.	1		ICPMS		
107	12/5/2024 15:45:46	Sample	WASH	6	089SMPL.d	Fail	QC check failed.	1		ICPMS		
108	12/5/2024 15:48:16	<Pause>				Pass				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
98													
101													
102													
103													
104													
105													
106													
107													
108													

#	QC Failed Criteria	QC Failed Elements
98	ISTD Criteria1	No Gas:Li
101	ISTD Criteria1	No Gas:Li

Batch Log

#	QC Failed Criteria	QC Failed Elements
102	ISTD Criteria1	No Gas:Li
103	ISTD Criteria1	No Gas:Li
104	ISTD Criteria1	No Gas:Li
105	ISTD Criteria1	No Gas:Li
106	ISTD Criteria1	No Gas:Li
107	ISTD Criteria1	No Gas:Li
108		

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
109	12/5/2024 15:52:25	Sample	2412039-001B	450	090SMPL.d	Fail	QC check failed.	1		ICPMS		
110	12/5/2024 15:55:11	Sample	WASH	6	091SMPL.d	Fail	QC check failed.	1		ICPMS		
111	12/5/2024 15:57:55	CCV	CCV	5	092_CCV.d	Fail	QC check failed.	1		ICPMS		
112	12/5/2024 16:00:42	CCB	CCB	1	093_CCB.d	Fail	QC check failed.	1		ICPMS		
113	12/5/2024 16:03:13	<Pause>				Pass				ICPMS		
114	12/5/2024 16:03:42	Sample	MB	401	094SMPL.d	Fail		1		ICPMS		
115	12/5/2024 16:06:29	Sample	MB	201	095SMPL.d	Fail	QC check failed.	1		ICPMS		
116	12/5/2024 16:09:15	LCS	LCS	202	096_LCS.d	Fail	QC check failed.	1		ICPMS		
117	12/5/2024 16:12:01	Sample	PARENT	203	097SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
109			10										
110													
111													
112													
113													
114													
115													
116													

Batch Log

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
117													

#	QC Failed Criteria	QC Failed Elements
109	ISTD Criteria1	No Gas:Li
110	ISTD Criteria1	No Gas:Li
111	ISTD Criteria1	No Gas:Li
112	ISTD Criteria1	No Gas:Li
113		
114		
115	ISTD Criteria1	No Gas:Li
116	ISTD Criteria1	No Gas:Li
117	ISTD Criteria1	No Gas:Li

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
118	12/5/2024 16:14:45	Sample	MS	204	098SMPL.d	Fail	QC check failed.	1		ICPMS		
119	12/5/2024 16:17:30	Sample	MSD	205	099SMPL.d	Fail	QC check failed.	1		ICPMS		
120	12/5/2024 16:20:15	Sample	MS DIL	204	100SMPL.d	Fail		1		ICPMS		
121	12/5/2024 16:23:03	Sample	2412031-001APDS	206	101SMPL.d	Fail	QC check failed.	1		ICPMS		
122	12/5/2024 16:25:50	Sample	2412031-002A	207	102SMPL.d	Fail	QC check failed.	1		ICPMS		
123	12/5/2024 16:28:38	Sample	2412031-003A	208	103SMPL.d	Fail	QC check failed.	1		ICPMS		
124	12/5/2024 16:28:22	CCV	CCV	5		Skip				ICPMS		
125	12/5/2024 16:28:22	CCB	CCB	1		Skip				ICPMS		
126	12/5/2024 16:31:24	CCV	CCV	5	104_CCV.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
118													
119													

Batch Log

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
120			5	1	1	5							
121											Sample	Sample	Sample
122													
123													
124													
125													
126													

#	QC Failed Criteria	QC Failed Elements
118	ISTD Criteria1	No Gas:Li
119	ISTD Criteria1	No Gas:Li
120		
121	ISTD Criteria1	No Gas:Li
122	ISTD Criteria1	No Gas:Li
123	ISTD Criteria1	No Gas:Li
124		
125		
126	ISTD Criteria1	No Gas:Li

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
127	12/5/2024 16:34:09	CCB	CCB	1	105_CCB.d	Fail	QC check failed.	1		ICPMS		
128	12/5/2024 16:36:55	Sample	2412062-001A	209	106SMPL.d	Fail		1		ICPMS		
129	12/5/2024 16:39:42	Sample	WASH	6	107SMPL.d	Fail	QC check failed.	1		ICPMS		
130	12/5/2024 16:42:13	<Pause>				Pass				ICPMS		
131	12/5/2024 16:45:53	Sample	MB-46035	210	108SMPL.d	Fail	QC check failed.	1		ICPMS		
132	12/5/2024 16:48:40	LCS	LCS-46035	211	109_LCS.d	Fail	QC check failed.	1		ICPMS		
133	12/5/2024 16:51:25	Sample	2411567-010A	212	110SMPL.d	Fail		1		ICPMS		
134	12/5/2024 16:54:12	Sample	2411567-010AMS	213	111SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
127													
128													
129													
130													
131													
132													
133													
134													

#	QC Failed Criteria	QC Failed Elements
127	ISTD Criteria1	No Gas:Li
128		
129	ISTD Criteria1	No Gas:Li
130		
131	ISTD Criteria1	No Gas:Li
132	ISTD Criteria1	No Gas:Li
133		
134	Main Error1 Criteria1	He:Fe,Al,Ti

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
135	12/5/2024 16:56:58	Sample	2411567-010AMSD	214	112SMPL.d	Fail	QC check failed.	1		ICPMS		
136	12/5/2024 16:59:45	Sample	2411567-010AMSDIL	213	113SMPL.d	Pass		1		ICPMS		
137	12/5/2024 17:02:33	Sample	2411567-010APDS	215	114SMPL.d	Fail	QC check failed.	1		ICPMS		
138	12/5/2024 17:05:19	CCV	CCV	5	115_CCV.d	Pass		1		ICPMS		
139	12/5/2024 17:08:10	CCB	CCB	1	116_CCB.d	Pass		1		ICPMS		
140	12/5/2024 17:11:15	Sample	2412031-001A	216	117SMPL.d	Fail	QC check failed.	1		ICPMS		
141	12/5/2024 17:14:02	Sample	2412031-002A	217	118SMPL.d	Fail	QC check failed.	1		ICPMS		
142	12/5/2024 17:16:50	Sample	2412031-003A	218	119SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
135													
136			5	1	1	5							
137													
138													
139													
140													
141													
142													

#	QC Failed Criteria	QC Failed Elements
135	Main Error1 Criteria1	He:Fe,Al,Ti
136		
137	Main Error1 Criteria1	He:Fe,Al,Ti
138		
139		
140	ISTD Criteria1	No Gas:Sc He:Sc
141	ISTD Criteria1	No Gas:Sc
142	ISTD Criteria1	No Gas:Sc He:Sc

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
143	12/5/2024 17:19:37	Sample	2412073-001A	219	120SMPL.d	Fail	QC check failed.	1		ICPMS		
144	12/5/2024 17:22:26	Sample	2412088-001A	220	121SMPL.d	Fail	QC check failed.	1		ICPMS		
145	12/5/2024 17:24:57	<Pause>				Pass				ICPMS		
146	12/5/2024 17:25:59	CCV	CCV	5	122_CCV.d	Pass		1		ICPMS		
147	12/5/2024 17:28:46	CCB	CCB	1	123_CCB.d	Pass		1		ICPMS		
148	12/5/2024 17:31:18	<Pause>				Pass				ICPMS		
149	12/5/2024 17:48:59	Sample	2412062-001A	221	124SMPL.d	Pass		1		ICPMS		
150	12/5/2024 17:51:47	CCV	CCV	5	125_CCV.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
143													
144			50										
145													
146													
147													
148													
149													
150													

#	QC Failed Criteria	QC Failed Elements
143	Main Error1 Criteria1	He:Mn
144	Main Error1 Criteria1	He:Na
145		
146		
147		
148		
149		
150		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
151	12/5/2024 17:54:34	CCB	CCB	1	126_CCB.d	Pass		1		ICPMS		
152	12/5/2024 17:57:19	<Pause>				Pass				ICPMS		
153	12/5/2024 18:07:00	Sample	2411567-015A	222	127SMPL.d	Fail	QC check failed.	1		ICPMS		
154	12/5/2024 18:09:49	Sample	2411567-018A	223	128SMPL.d	Fail	QC check failed.	1		ICPMS		
155	12/5/2024 18:12:36	Sample	2411567-032A	224	129SMPL.d	Fail	QC check failed.	1		ICPMS		
156	12/5/2024 18:15:24	Sample	2412034-001A	225	130SMPL.d	Fail	QC check failed.	1		ICPMS		
157	12/5/2024 18:18:12	Sample	2412034-002A	226	131SMPL.d	Fail	QC check failed.	1		ICPMS		
158	12/5/2024 18:21:00	Sample	2412034-003A	227	132SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
151													
152													
153													
154													
155													
156													
157													
158													

#	QC Failed Criteria	QC Failed Elements
151		
152		
153	Main Error1 Criteria1	He:Fe,Al,Ti
154	Main Error1 Criteria1	He:Fe,Al,Ti
155	ISTD Criteria1	No Gas:Sc
156	ISTD Criteria1	No Gas:Sc
157	ISTD Criteria1	No Gas:Sc
158	Main Error1 Criteria1	He:Fe,Al,Ti

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
159	12/5/2024 18:23:48	Sample	2412034-004A	228	133SMPL.d	Fail	QC check failed.	1		ICPMS		
160	12/5/2024 18:26:35	Sample	2412034-005A	229	134SMPL.d	Fail	QC check failed.	1		ICPMS		
161	12/5/2024 18:29:25	Sample	2412034-006A	230	135SMPL.d	Fail	QC check failed.	1		ICPMS		
162	12/5/2024 18:32:13	Sample	2412040-001A	231	136SMPL.d	Fail	QC check failed.	1		ICPMS		
163	12/5/2024 18:31:58	CCV	CCV	5		Skip				ICPMS		
164	12/5/2024 18:31:58	CCB	CCB	1		Skip				ICPMS		
165	12/5/2024 18:35:02	CCV	CCV	5	137_CCV.d	Pass		1		ICPMS		
166	12/5/2024 18:37:49	CCB	CCB	1	138_CCB.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
159													
160													
161													
162													
163													
164													
165													
166													

#	QC Failed Criteria	QC Failed Elements
159	Main Error1 Criteria1	He:Fe,Al,Ti
160	ISTD Criteria1	No Gas:Sc
161	ISTD Criteria1	No Gas:Sc
162	Main Error1 Criteria1	He:Fe,Ca,Al,Ti
163		
164		
165		
166		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
167	12/5/2024 18:40:37	Sample	2412050-001A	232	139SMPL.d	Fail	QC check failed.	1		ICPMS		
168	12/5/2024 18:43:25	Sample	2412053-001A	233	140SMPL.d	Fail	QC check failed.	1		ICPMS		
169	12/5/2024 18:46:13	Sample	2411554-001A	234	141SMPL.d	Fail	QC check failed.	1		ICPMS		
170	12/5/2024 18:49:01	Sample	2411554-002A	235	142SMPL.d	Fail	QC check failed.	1		ICPMS		
171	12/5/2024 18:51:50	CCV	CCV	5	143_CCV.d	Fail	QC check failed.	1		ICPMS		
172	12/5/2024 18:54:38	CCB	CCB	1	144_CCB.d	Pass		1		ICPMS		
173	12/5/2024 18:57:26	Sample	MB-46048	236	145SMPL.d	Pass		1		ICPMS		
174	12/5/2024 19:00:14	LCS	LCS-46048	237	146_LCS.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
167													
168													
169													
170													
171													
172													
173													
174													

#	QC Failed Criteria	QC Failed Elements
167	ISTD Criteria1	No Gas:Li,Sc
168	Main Error1 Criteria1	He:Zn
169	Main Error1 Criteria1	He:Fe,Al
170	Main Error1 Criteria1	He:Fe,Al,Ti
171	ISTD Criteria1	No Gas:Li
172		
173		

Batch Log

#	QC Failed Criteria	QC Failed Elements
174	Main Error1 Criteria1	No Gas:B He:Fe,Ca,Na, Mg,K,Cr,Co,Ni, Cu,Al,P

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
175	12/5/2024 19:03:03	Sample	2411554-003A	238	147SMPL.d	Fail	QC check failed.	1		ICPMS		
176	12/5/2024 19:05:53	Sample	2411554-003AMS	239	148SMPL.d	Fail	QC check failed.	1		ICPMS		
177	12/5/2024 19:08:42	Sample	2411554-003AMSD	240	149SMPL.d	Fail	QC check failed.	1		ICPMS		
178	12/5/2024 19:11:31	Sample	2411554-003AMSDIL	239	150SMPL.d	Fail	QC check failed.	1		ICPMS		
179	12/5/2024 19:14:23	Sample	2411554-003APDS	241	151SMPL.d	Fail	QC check failed.	1		ICPMS		
180	12/5/2024 19:17:12	Sample	2411554-004A	242	152SMPL.d	Fail	QC check failed.	1		ICPMS		
181	12/5/2024 19:20:01	Sample	2411554-005A	243	153SMPL.d	Fail	QC check failed.	1		ICPMS		
183	12/5/2024 19:22:35	CCV	CCV	5		Skip				ICPMS		
184	12/5/2024 19:22:35	CCB	CCB	1		Skip				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
175													
176													
177													
178			5	1	1	5							
179													
180													
181													
183													
184													

#	QC Failed Criteria	QC Failed Elements
175	ISTD Criteria1	No Gas:Li
176	ISTD Criteria1	No Gas:Li

Batch Log

#	QC Failed Criteria	QC Failed Elements
177	ISTD Criteria1	No Gas:Li,Sc
178	ISTD Criteria1	No Gas:Li
179	ISTD Criteria1	No Gas:Li
180	ISTD Criteria1	No Gas:Li
181	ISTD Criteria1	No Gas:Li,Sc
183		
184		

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
182	12/5/2024 19:22:50	Sample	2411554-006A	244	154SMPL.d	Fail	QC check failed.	1		ICPMS		
185	12/5/2024 19:25:40	CCV	CCV	5	155_CCV.d	Fail	QC check failed.	1		ICPMS		
186	12/5/2024 19:28:29	CCB	CCB	1	156_CCB.d	Fail	QC check failed.	1		ICPMS		
187	12/5/2024 19:31:18	Sample	2411554-007A	245	157SMPL.d	Fail	QC check failed.	1		ICPMS		
188	12/5/2024 19:34:08	Sample	2411554-008A	246	158SMPL.d	Fail	QC check failed.	1		ICPMS		
189	12/5/2024 19:36:58	Sample	2411554-009A	247	159SMPL.d	Fail	QC check failed.	1		ICPMS		
190	12/5/2024 19:39:47	Sample	2411554-010A	248	160SMPL.d	Fail	QC check failed.	1		ICPMS		
191	12/5/2024 19:42:38	Sample	2411554-011A	249	161SMPL.d	Fail	QC check failed.	1		ICPMS		
192	12/5/2024 19:45:28	Sample	2411554-012A	250	162SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
182													
185													
186													
187													
188													
189													
190													
191													
192													

Batch Log

#	QC Failed Criteria	QC Failed Elements
182	ISTD Criteria1	No Gas:Li
185	ISTD Criteria1	No Gas:Li
186	ISTD Criteria1	No Gas:Li
187	ISTD Criteria1	No Gas:Li
188	ISTD Criteria1	No Gas:Li
189	ISTD Criteria1	No Gas:Li
190	ISTD Criteria1	No Gas:Li,Sc
191	ISTD Criteria1	No Gas:Li,Sc
192	ISTD Criteria1	No Gas:Li

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
193	12/5/2024 19:48:18	Sample	2411554-013A	251	163SMPL.d	Fail	QC check failed.	1		ICPMS		
194	12/5/2024 19:51:08	Sample	2411554-014A	252	164SMPL.d	Fail	QC check failed.	1		ICPMS		
195	12/5/2024 19:53:58	Sample	2411554-015A	253	165SMPL.d	Fail	QC check failed.	1		ICPMS		
196	12/5/2024 19:56:48	Sample	2411554-016A	254	166SMPL.d	Fail	QC check failed.	1		ICPMS		
197	12/5/2024 19:56:33	CCV	CCV	5		Skip				ICPMS		
198	12/5/2024 19:56:33	CCB	CCB	1		Skip				ICPMS		
199	12/5/2024 19:59:39	CCV	CCV	5	167_CCV.d	Fail	QC check failed.	1		ICPMS		
200	12/5/2024 20:02:28	CCB	CCB	1	168_CCB.d	Fail	QC check failed.	1		ICPMS		
201	12/5/2024 20:05:18	Sample	2411554-017A	255	169SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
193													
194													
195													

Batch Log

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
196													
197													
198													
199													
200													
201													

#	QC Failed Criteria	QC Failed Elements
193	ISTD Criteria1	No Gas:Li
194	ISTD Criteria1	No Gas:Li
195	ISTD Criteria1	No Gas:Li
196	ISTD Criteria1	No Gas:Li
197		
198		
199	ISTD Criteria1	No Gas:Li
200	ISTD Criteria1	No Gas:Li
201	ISTD Criteria1	No Gas:Li

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
202	12/5/2024 20:08:09	Sample	2412064-001A	256	170SMPL.d	Fail	QC check failed.	1		ICPMS		
203	12/5/2024 20:10:59	CCV	CCV	5	171_CCV.d	Fail	QC check failed.	1		ICPMS		
204	12/5/2024 20:13:50	CCB	CCB	1	172_CCB.d	Fail	QC check failed.	1		ICPMS		
205	12/5/2024 20:16:39	Sample	MB-46007	301	173SMPL.d	Fail	QC check failed.	1		ICPMS		
206	12/5/2024 20:19:29	LCS	LCS-46007	302	174_LCS.d	Fail	QC check failed.	1		ICPMS		
207	12/5/2024 20:22:20	Sample	2411553-013A	303	175SMPL.d	Fail	QC check failed.	1		ICPMS		
208	12/5/2024 20:25:11	Sample	2411553-013AMS	304	176SMPL.d	Fail	QC check failed.	1		ICPMS		
209	12/5/2024 20:28:03	Sample	2411553-013AMSD	305	177SMPL.d	Fail	QC check failed.	1		ICPMS		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
210	12/5/2024 20:30:53	Sample	2411553-013AMSDIL	304	178SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
202													
203													
204													
205													
206													
207													
208													
209													
210			5	1	1	5							

#	QC Failed Criteria	QC Failed Elements
202	ISTD Criteria1	No Gas:Li
203	ISTD Criteria1	No Gas:Li
204	ISTD Criteria1	No Gas:Li
205	ISTD Criteria1	No Gas:Li
206	ISTD Criteria1	No Gas:Li
207	ISTD Criteria1	No Gas:Li,Sc
208	ISTD Criteria1	No Gas:Li,Sc
209	ISTD Criteria1	No Gas:Li,Sc
210	ISTD Criteria1	No Gas:Li

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
211	12/5/2024 20:33:46	Sample	2411553-013APDS	306	179SMPL.d	Fail	QC check failed.	1		ICPMS		
212	12/5/2024 20:36:37	Sample	2411516-001A	307	180SMPL.d	Fail	QC check failed.	1		ICPMS		
213	12/5/2024 20:39:28	Sample	TRURINSE W	160	181SMPL.d	Pass		1		ICPMS		
214	12/5/2024 20:42:19	Sample	WASH	6	182SMPL.d	Pass		1		ICPMS		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
215	12/5/2024 20:42:04	CCV	CCV	5		Skip				ICPMS		
216	12/5/2024 20:42:04	CCB	CCB	1		Skip				ICPMS		
217	12/5/2024 20:45:10	CCV	CCV	5	183_CCV.d	Fail	QC check failed.	1		ICPMS		
218	12/5/2024 20:48:00	CCB	CCB	1	184_CCB.d	Fail	QC check failed.	1		ICPMS		
219	12/5/2024 20:50:52	Sample	2411553-014A	308	185SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
211													
212													
213													
214													
215													
216													
217													
218													
219													

#	QC Failed Criteria	QC Failed Elements
211	ISTD Criteria1	No Gas:Li,Sc
212	ISTD Criteria1	No Gas:Li
213		
214		
215		
216		
217	ISTD Criteria1	No Gas:Li
218	ISTD Criteria1	No Gas:Li
219	ISTD Criteria1	No Gas:Li,Sc

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
220	12/5/2024 20:53:42	Sample	2411553-016A	309	186SMPL.d	Fail	QC check failed.	1		ICPMS		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
221	12/5/2024 20:56:33	Sample	2411553-017A	310	187SMPL.d	Fail	QC check failed.	1		ICPMS		
222	12/5/2024 20:59:27	Sample	2411553-019A	311	188SMPL.d	Fail	QC check failed.	1		ICPMS		
223	12/5/2024 21:02:18	Sample	2411553-020A	312	189SMPL.d	Fail	QC check failed.	1		ICPMS		
224	12/5/2024 21:05:09	Sample	2411553-021A	313	190SMPL.d	Fail	QC check failed.	1		ICPMS		
225	12/5/2024 21:08:02	Sample	2411553-022A	314	191SMPL.d	Fail	QC check failed.	1		ICPMS		
226	12/5/2024 21:10:54	Sample	2411553-024A	315	192SMPL.d	Fail	QC check failed.	1		ICPMS		
227	12/5/2024 21:13:46	Sample	TRURINSE W	160	193SMPL.d	Pass		1		ICPMS		
229	12/5/2024 21:16:24	CCV	CCV	5		Skip				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
220													
221													
222													
223													
224													
225													
226													
227													
229													

#	QC Failed Criteria	QC Failed Elements
220	ISTD Criteria1	No Gas:Li
221	ISTD Criteria1	No Gas:Li,Sc
222	ISTD Criteria1	No Gas:Li
223	ISTD Criteria1	No Gas:Li,Sc
224	ISTD Criteria1	No Gas:Li
225	ISTD Criteria1	No Gas:Li
226	ISTD Criteria1	No Gas:Li

Batch Log

#	QC Failed Criteria	QC Failed Elements
227		
229		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
228	12/5/2024 21:16:39	Sample	WASH	6	194SMPL.d	Pass		1		ICPMS		
230	12/5/2024 21:16:24	CCB	CCB	1		Skip				ICPMS		
231	12/5/2024 21:19:32	CCV	CCV	5	195_CCV.d	Pass		1		ICPMS		
232	12/5/2024 21:22:23	CCB	CCB	1	196_CCB.d	Pass		1		ICPMS		
233	12/5/2024 21:25:14	Sample	2411553-025A	316	197SMPL.d	Fail	QC check failed.	1		ICPMS		
234	12/5/2024 21:28:06	Sample	2411553-027A	317	198SMPL.d	Fail	QC check failed.	1		ICPMS		
235	12/5/2024 21:30:58	Sample	2411553-028A	318	199SMPL.d	Fail	QC check failed.	1		ICPMS		
236	12/5/2024 21:33:50	Sample	2411553-030A	319	200SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
228													
230													
231													
232													
233													
234													
235													
236													

#	QC Failed Criteria	QC Failed Elements
228		
230		
231		
232		
233	ISTD Criteria1	No Gas:Li
234	ISTD Criteria1	No Gas:Sc
235	ISTD Criteria1	No Gas:Sc
236	Main Error1 Criteria1	He:Fe,Al,Hg

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
237	12/5/2024 21:36:42	Sample	2411553-031A	320	201SMPL.d	Fail	QC check failed.	1		ICPMS		
238	12/5/2024 21:39:35	Sample	2411553-032A	321	202SMPL.d	Fail	QC check failed.	1		ICPMS		
239	12/5/2024 21:42:29	Sample	2411553-033A	322	203SMPL.d	Fail	QC check failed.	1		ICPMS		
240	12/5/2024 21:45:21	Sample	2411553-034A	323	204SMPL.d	Fail	QC check failed.	1		ICPMS		
241	12/5/2024 21:48:13	Sample	TRURINSE W	159	205SMPL.d	Pass		1		ICPMS		
242	12/5/2024 21:51:05	Sample	WASH	6	206SMPL.d	Pass		1		ICPMS		
243	12/5/2024 21:50:50	CCV	CCV	5		Skip				ICPMS		
244	12/5/2024 21:50:50	CCB	CCB	1		Skip				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
237													
238													
239													
240													
241													
242													
243													
244													

#	QC Failed Criteria	QC Failed Elements
237	Main Error1 Criteria1	He:Fe,Hg
238	Main Error1 Criteria1	He:Fe,Al
239	Main Error1 Criteria1	He:Fe,Hg
240	Main Error1 Criteria1	He:As,Al
241		
242		
243		
244		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
245	12/5/2024 21:53:58	CCV	CCV	5	207_CCV.d	Pass		1		ICPMS		
246	12/5/2024 21:56:51	CCB	CCB	1	208_CCB.d	Pass		1		ICPMS		
247	12/5/2024 21:59:43	Sample	2411553-035A	324	209SMPL.d	Fail	QC check failed.	1		ICPMS		
248	12/5/2024 22:02:37	Sample	TRURINSE W	159	210SMPL.d	Pass		1		ICPMS		
249	12/5/2024 22:05:29	Sample	WASH	6	211SMPL.d	Pass		1		ICPMS		
250	12/5/2024 22:08:23	CCV	CCV	5	212_CCV.d	Pass		1		ICPMS		
251	12/5/2024 22:11:15	CCB	CCB	1	213_CCB.d	Pass		1		ICPMS		
252	12/5/2024 22:14:09	Sample	WASH	6	214SMPL.d	Pass		1		ICPMS		
253	12/5/2024 22:17:02	Sample	WASH	6	215SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
245													
246													
247													
248													
249													
250													
251													
252													
253													

#	QC Failed Criteria	QC Failed Elements
245		
246		
247	Main Error1 Criteria1	He:Fe,Al,Hg
248		
249		
250		
251		
252		
253		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
254	12/5/2024 22:19:55	Sample	WASH	6	216SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
254													

#	QC Failed Criteria	QC Failed Elements
254		

Batch Log

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\241206ME 2.b

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
1	12/6/2024 09:53:42	CalBlk	CAL BLANK	1	001CALB.d	Pass		1		ICPMS		1
2	12/6/2024 09:56:11	CalBlk	CAL BLANK	1	002CALB.d	Pass		1		ICPMS		1
3	12/6/2024 09:58:54	CalBlk	CAL BLANK	1	003CALB.d	Pass		1		ICPMS		1
4	12/6/2024 10:01:33	CalStd	STANDARD 1	101	004CALS.d	Pass		1		ICPMS		2
5	12/6/2024 10:04:12	CalStd	STANDARD 2	102	005CALS.d	Pass		1		ICPMS		3
6	12/6/2024 10:06:53	CalStd	STANDARD 3	103	006CALS.d	Pass		1		ICPMS		4
7	12/6/2024 10:09:31	CalStd	STANDARD 4	104	007CALS.d	Pass		1		ICPMS		5
8	12/6/2024 10:12:12	CalStd	STANDARD 5	5	008CALS.d	Pass		1		ICPMS		6

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
1													
2			100	1	1	100							
3													
4													
5													
6													
7													
8													

#	QC Failed Criteria	QC Failed Elements
1		
2		
3		
4		
5		
6		
7		
8		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
9	12/6/2024 10:14:52	CalStd	STANDARD 6	106	009CALS.d	Pass		1		ICPMS		7
10	12/6/2024 10:17:33	CalStd	STANDARD 7	107	010CALS.d	Pass		1		ICPMS		8
11	12/6/2024 10:20:13	Sample	Wash	6	011SMPL.d	Pass		1		ICPMS		
12	12/6/2024 10:22:41	<Pause>				Pass				ICPMS		
13	12/6/2024 10:26:07	Sample	Wash	6	012SMPL.d	Pass		1		ICPMS		
14	12/6/2024 10:28:49	ICB	ICB	1	013_ICB.d	Pass		1		ICPMS		
15	12/6/2024 10:31:30	ICV	ICV	111	014_ICV.d	Fail	QC check failed.	1		ICPMS		
16	12/6/2024 10:34:09	Sample	Wash	6	015SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
9													
10													
11													
12													
13													
14													
15													
16													

#	QC Failed Criteria	QC Failed Elements
9		
10		
11		
12		
13		
14		
15	Main Error1 Criteria1	He:U
16		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
17	12/6/2024 10:36:49	ICSA	ICSA	112	016ICSA.d	Fail	QC check failed.	1		ICPMS		
18	12/6/2024 10:39:31	Sample	LDR	110	017SMPL.d	Fail	QC check failed.	1		ICPMS		
19	12/6/2024 10:42:12	Sample	TRURINSE	160	018SMPL.d	Pass		1		ICPMS		
20	12/6/2024 10:44:51	Sample	Wash	6	019SMPL.d	Pass		1		ICPMS		
21	12/6/2024 10:47:13	<Pause>				Pass				ICPMS		
22	12/6/2024 11:29:49	ICSA	ICSA	112	020ICSA.d	Fail	QC check failed.	1		ICPMS		
23	12/6/2024 11:32:13	<Pause>				Pass				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
17													
18													
19													
20													
21													
22													
23													

#	QC Failed Criteria	QC Failed Elements
17	Main Error1 Criteria1	He:Cd
18	Main Error1 Criteria1	No Gas:B He:Fe,Sn,As,Ca,Na,Mg,K,V,Cr,Mn,Co,Ni,Cu,Zn,Sr,Mo,Ba,[Pb],[Pb],Pb,U,Al,Hg,Ti,P
19		
20		
21		
22	Main Error1 Criteria1	He:Cd
23		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
24	12/6/2024 12:11:54	Sample	2411553-034A	201	021SMPL.d	Fail	QC check failed.	1		ICPMS		
25	12/6/2024 12:14:35	Sample	2411562-001A	202	022SMPL.d	Fail	QC check failed.	1		ICPMS		
26	12/6/2024 12:16:58	<Pause>				Pass				ICPMS		
27	12/6/2024 12:20:04	Sample	wash	6	023SMPL.d	Pass		1		ICPMS		
28	12/6/2024 12:22:28	<Pause>				Pass				ICPMS		
29	12/6/2024 12:25:51	CCV	CCV	5	024_CCV.d	Pass		1		ICPMS		
30	12/6/2024 12:28:33	CCB	CCB	1	025_CCB.d	Pass		1		ICPMS		
31	12/6/2024 12:30:57	<Pause>				Pass				ICPMS		
32	12/6/2024 12:31:20	Sample	MB-46060	203	026SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
24													
25			10										
26													
27													
28													
29													
30													
31													
32													

#	QC Failed Criteria	QC Failed Elements
24	Main Error1 Criteria1	He:Na
25	ISTD Criteria1	No Gas:Sc He:Sc
26		
27		
28		
29		
30		
31		

Batch Log

#	QC Failed Criteria	QC Failed Elements
32		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
33	12/6/2024 12:34:03	LCS	LCS-46060	204	027_LCS.d	Fail	QC check failed.	1		ICPMS		
34	12/6/2024 12:36:41	Sample	2412052-004A	205	028SMPL.d	Pass		1		ICPMS		
35	12/6/2024 12:39:21	Sample	2412052-004ADUP	206	029SMPL.d	Pass		1		ICPMS		
36	12/6/2024 12:42:03	Sample	2412052-004AMS	207	030SMPL.d	Pass		1		ICPMS		
37	12/6/2024 12:44:44	Sample	2411556-001C	208	031SMPL.d	Fail	QC check failed.	1		ICPMS		
38	12/6/2024 12:47:25	Sample	2411556-002C	209	032SMPL.d	Fail	QC check failed.	1		ICPMS		
39	12/6/2024 12:49:48	<Pause>				Pass				ICPMS		
40	12/6/2024 12:51:08	Sample	WASH	6	033SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
33													
34													
35													
36													
37													
38													
39													
40													

#	QC Failed Criteria	QC Failed Elements
33	Main Error1 Criteria1	He:Hg
34		
35		
36		
37	ISTD Criteria1	No Gas:Li He:In,Rh,Tb,Bi,Ge,Lu
38	ISTD Criteria1	No Gas:Li He:In,Rh,Tb,Bi,Lu
39		
40		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
41	12/6/2024 12:53:33	<Pause>				Pass				ICPMS		
42	12/6/2024 12:56:50	Sample	2411556-001C	208	034SMPL.d	Fail	QC check failed.	1		ICPMS		
43	12/6/2024 12:59:34	Sample	2411556-002C	209	035SMPL.d	Fail	QC check failed.	1		ICPMS		
44	12/6/2024 12:59:16	CCV	CCV	5		Skip				ICPMS		
45	12/6/2024 12:59:16	CCB	CCB	1		Skip				ICPMS		
46	12/6/2024 13:02:13	CCV	CCV	5	036_CCV.d	Fail	QC check failed.	1		ICPMS		
47	12/6/2024 13:04:56	CCB	CCB	1	037_CCB.d	Pass		1		ICPMS		
48	12/6/2024 13:07:19	<Pause>				Pass				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
41													
42			20										
43			20										
44													
45													
46													
47													
48													

#	QC Failed Criteria	QC Failed Elements
41		
42	Main Error1 Criteria1	He:Na
43	Main Error1 Criteria1	He:Na
44		
45		
46	Main Error1 Criteria1	No Gas:B He:Na,K, [Pb],U
47		
48		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
49	12/6/2024 13:07:55	Sample	TRURINSE	160	038SMPL.d	Pass		1		ICPMS		
50	12/6/2024 13:10:39	Sample	WASH	6	039SMPL.d	Pass		1		ICPMS		
51	12/6/2024 13:13:20	Sample	WASH	6	040SMPL.d	Pass		1		ICPMS		
52	12/6/2024 13:15:43	<Pause>				Pass				ICPMS		
53	12/6/2024 13:25:54	Sample	MB-46026	223	041SMPL.d	Pass		1		ICPMS		
54	12/6/2024 13:28:38	Sample	2412056-001A	224	042SMPL.d	Fail	QC check failed.	1		ICPMS		
55	12/6/2024 13:31:19	Sample	2412056-001AMS	225	043SMPL.d	Fail	QC check failed.	1		ICPMS		
56	12/6/2024 13:34:00	CCV	CCV	5	044_CCV.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
49													
50													
51													
52													
53													
54													
55													
56													

#	QC Failed Criteria	QC Failed Elements
49		
50		
51		
52		
53		
54	Main Error1 Criteria1	He:Ca,Na
55	Main Error1 Criteria1	He:Ca,Na
56	Main Error1 Criteria1	He:Na

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
57	12/6/2024 13:36:38	CCB	CCB	1	045_CCB.d	Pass		1		ICPMS		
58	12/6/2024 13:39:04	<Pause>				Pass				ICPMS		
59	12/6/2024 13:41:04	Sample	2411553-013A	233	046SMPL.d	Pass		1		ICPMS		
60	12/6/2024 13:43:45	Sample	2411553-013APDS	234	047SMPL.d	Pass		1		ICPMS		
61	12/6/2024 13:46:29	Sample	2411553-030A	235	048SMPL.d	Pass		1		ICPMS		
62	12/6/2024 13:49:08	Sample	2411553-0031A	236	049SMPL.d	Pass		1		ICPMS		
63	12/6/2024 13:51:52	Sample	2411553-0033A	237	050SMPL.d	Pass		1		ICPMS		
64	12/6/2024 13:54:31	Sample	2411553-0034A	238	051SMPL.d	Pass		1		ICPMS		
65	12/6/2024 13:57:12	Sample	2411553-0035A	239	052SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
57													
58													
59			5										
60			5										
61			10										
62			10										
63			10										
64			10										
65			10										

#	QC Failed Criteria	QC Failed Elements
57		
58		
59		
60		
61		
62		
63		
64		
65		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
66	12/6/2024 13:59:54	CCV	CCV	5	053_CCV.d	Fail	QC check failed.	1		ICPMS		
67	12/6/2024 14:02:35	CCB	CCB	1	054_CCB.d	Pass		1		ICPMS		
68	12/6/2024 14:05:17	Sample	2411556-001C	240	055SMPL.d	Fail	QC check failed.	1		ICPMS		
69	12/6/2024 14:07:59	Sample	2411556-002C	241	056SMPL.d	Fail	QC check failed.	1		ICPMS		
70	12/6/2024 14:10:41	CCV	CCV	5	057_CCV.d	Fail	QC check failed.	1		ICPMS		
71	12/6/2024 14:13:22	CCB	CCB	1	058_CCB.d	Pass		1		ICPMS		
72	12/6/2024 14:15:49	<Pause>				Pass				ICPMS		
73	12/6/2024 14:28:52	Sample	TRURINSE	160	059SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
66													
67													
68			100										
69			100										
70													
71													
72													
73													

#	QC Failed Criteria	QC Failed Elements
66	Main Error1 Criteria1	He:Na
67		
68	Main Error1 Criteria1	He:Na
69	Main Error1 Criteria1	He:Na
70	Main Error1 Criteria1	He:Na
71		
72		
73		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
74	12/6/2024 14:31:34	Sample	WASH	6	060SMPL.d	Pass		1		ICPMS		
75	12/6/2024 14:34:16	Sample	WASH	6	061SMPL.d	Pass		1		ICPMS		
76	12/6/2024 14:36:43	<Pause>				Pass				ICPMS		
77	12/6/2024 14:38:05	Sample	WASH	6	062SMPL.d	Pass		1		ICPMS		
78	12/6/2024 14:40:46	Sample	WASH	6	063SMPL.d	Pass		1		ICPMS		
79	12/6/2024 14:43:30	Sample	WASH	6	064SMPL.d	Pass		1		ICPMS		
80	12/6/2024 14:46:12	Sample	WASH	6	065SMPL.d	Pass		1		ICPMS		
81	12/6/2024 14:48:55	Sample	WASH	6	066SMPL.d	Pass		1		ICPMS		
82	12/6/2024 14:51:37	CCV	CCV	5	067_CCV.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
74													
75													
76													
77													
78													
79													
80													
81													
82													

#	QC Failed Criteria	QC Failed Elements
74		
75		
76		
77		
78		
79		
80		
81		
82	Main Error1 Criteria1	He:Na

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
83	12/6/2024 14:54:21	CCB	CCB	1	068_CCB.d	Pass		1		ICPMS		
84	12/6/2024 14:56:47	<Pause>				Pass				ICPMS		
85	12/6/2024 15:05:43	Sample	MB-CEC	242	069SMPL.d	Pass		1		ICPMS		
86	12/6/2024 15:08:26	Sample	LCS-CEC	243	070SMPL.d	Pass		1		ICPMS		
87	12/6/2024 15:11:09	Sample	2412027-001A	244	071SMPL.d	Pass		1		ICPMS		
88	12/6/2024 15:13:52	Sample	2412027-001ADUP	245	072SMPL.d	Pass		1		ICPMS		
89	12/6/2024 15:16:34	Sample	2412027-002A	246	073SMPL.d	Pass		1		ICPMS		
90	12/6/2024 15:19:18	Sample	2112027-003A	247	074SMPL.d	Pass		1		ICPMS		
91	12/6/2024 15:22:01	Sample	2412027-004A	248	075SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
83													
84													
85													
86													
87													
88													
89													
90													
91													

#	QC Failed Criteria	QC Failed Elements
83		
84		
85		
86		
87		
88		
89		
90		
91		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
92	12/6/2024 15:24:44	Sample	2412030-001A	249	076SMPL.d	Pass		1		ICPMS		
93	12/6/2024 15:27:40	CCV	CCV	5	077_CCV.d	Fail	QC check failed.	1		ICPMS		
94	12/6/2024 15:30:24	CCB	CCB	1	078_CCB.d	Pass		1		ICPMS		
95	12/6/2024 15:33:07	Sample	2412056-001A	250	079SMPL.d	Fail	QC check failed.	1		ICPMS		
96	12/6/2024 15:35:51	CCV	CCV	5	080_CCV.d	Fail	QC check failed.	1		ICPMS		
97	12/6/2024 15:38:35	CCB	CCB	1	081_CCB.d	Pass		1		ICPMS		
98	12/6/2024 15:41:03	<Pause>				Pass				ICPMS		
99	12/6/2024 16:06:50	Sample	WASH	6	082SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
92													
93													
94													
95													
96													
97													
98													
99													

#	QC Failed Criteria	QC Failed Elements
92		
93	Main Error1 Criteria1	He:Na
94		
95	Main Error1 Criteria1	He:Ca,Na,Mg,K
96	Main Error1 Criteria1	He:Na
97		
98		
99		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
100	12/6/2024 16:09:32	Sample	WASH	6	083SMPL.d	Pass		1		ICPMS		
101	12/6/2024 16:12:15	Sample	WASH	6	084SMPL.d	Pass		1		ICPMS		
102	12/6/2024 16:14:58	Sample	WASH	6	085SMPL.d	Pass		1		ICPMS		
103	12/6/2024 16:17:42	Sample	WASH	6	086SMPL.d	Pass		1		ICPMS		
104	12/6/2024 16:20:10	<Pause>				Pass				ICPMS		
105	12/6/2024 16:24:16	CCV	CCV	105	087_CCV.d	Fail	QC check failed.	1		ICPMS		
106	12/6/2024 16:27:00	CCB	CCB	1	088_CCB.d	Pass		1		ICPMS		
107	12/6/2024 16:29:44	Sample	2412001-001A	251	089SMPL.d	Pass		1		ICPMS		
108	12/6/2024 16:32:29	Sample	2412001-002A	252	090SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
100													
101													
102													
103													
104													
105													
106													
107			50										
108			50										

#	QC Failed Criteria	QC Failed Elements
100		
101		
102		
103		
104		
105	Main Error1 Criteria1	He:Na
106		
107		
108		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
109	12/6/2024 16:35:13	Sample	2412049-001B	210	091SMPL.d	Fail	QC check failed.	1		ICPMS		
110	12/6/2024 16:37:57	Sample	2412052-001A	211	092SMPL.d	Pass		1		ICPMS		
111	12/6/2024 16:40:41	Sample	2412052-007A	212	093SMPL.d	Pass		1		ICPMS		
112	12/6/2024 16:43:26	Sample	2412052-010A	213	094SMPL.d	Pass		1		ICPMS		
113	12/6/2024 16:46:10	Sample	2412052-013A	214	095SMPL.d	Pass		1		ICPMS		
114	12/6/2024 16:48:54	Sample	2412054-002B	215	096SMPL.d	Fail	QC check failed.	1		ICPMS		
115	12/6/2024 16:51:39	Sample	2412066-001A	216	097SMPL.d	Fail	QC check failed.	1		ICPMS		
117	12/6/2024 16:54:08	CCV	CCV	5		Skip				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
109													
110			10										
111													
112													
113													
114													
115													
117													

#	QC Failed Criteria	QC Failed Elements
109	Main Error1 Criteria1	He:Ca
110		
111		
112		
113		
114	Main Error1 Criteria1	He:Ca,Na,K
115	Main Error1 Criteria1	He:Na
117		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
116	12/6/2024 16:54:23	Sample	2412067-001A	217	098SMPL.d	Fail	QC check failed.	1		ICPMS		
118	12/6/2024 16:54:08	CCB	CCB	1		Skip				ICPMS		
119	12/6/2024 16:57:08	CCV	CCV	105	099_CCV.d	Fail	QC check failed.	1		ICPMS		
120	12/6/2024 16:59:52	CCB	CCB	1	100_CCB.d	Pass		1		ICPMS		
121	12/6/2024 17:02:37	Sample	2412069-001A	218	101SMPL.d	Fail	QC check failed.	1		ICPMS		
122	12/6/2024 17:05:23	Sample	2412078-001A	219	102SMPL.d	Pass		1		ICPMS		
123	12/6/2024 17:08:09	Sample	2412078-002A	220	103SMPL.d	Fail	QC check failed.	1		ICPMS		
124	12/6/2024 17:10:54	Sample	2412078-002AMS	221	104SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
116													
118													
119													
120													
121			10										
122			10										
123			10										
124			10										

#	QC Failed Criteria	QC Failed Elements
116	Main Error1 Criteria1	He:Na,K
118		
119	Main Error1 Criteria1	He:Na,Mg,K,U
120		
121	Main Error1 Criteria1	He:Na
122		
123	Main Error1 Criteria1	He:Ca,Na
124	Main Error1 Criteria1	He:Ca,Na

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
125	12/6/2024 17:13:39	Sample	2412051-001A	222	105SMPL.d	Fail	QC check failed.	1		ICPMS		
126	12/6/2024 17:16:25	CCV	CCV	125	106_CCV.d	Fail	QC check failed.	1		ICPMS		
127	12/6/2024 17:19:09	CCB	CCB	1	107_CCB.d	Pass		1		ICPMS		
128	12/6/2024 17:21:56	Sample	2412046-001A	226	108SMPL.d	Fail	QC check failed.	1		ICPMS		
129	12/6/2024 17:24:42	Sample	2412046-003A	227	109SMPL.d	Fail	QC check failed.	1		ICPMS		
130	12/6/2024 17:27:27	Sample	2412046-004A	228	110SMPL.d	Fail	QC check failed.	1		ICPMS		
131	12/6/2024 17:30:13	Sample	2412046-005A	229	111SMPL.d	Fail	QC check failed.	1		ICPMS		
132	12/6/2024 17:32:59	Sample	2412046-006A	230	112SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
125													
126													
127													
128													
129													
130													
131													
132													

#	QC Failed Criteria	QC Failed Elements
125	Main Error1 Criteria1	He:Ca
126	Main Error1 Criteria1	He:Na,U
127		
128	Main Error1 Criteria1	He:Fe,Ca,Na, Mg,Mn
129	Main Error1 Criteria1	He:Ca
130	Main Error1 Criteria1	He:Ca
131	Main Error1 Criteria1	He:Ca

Batch Log

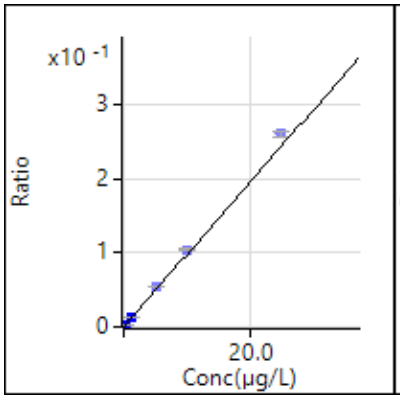
#	QC Failed Criteria	QC Failed Elements
132	Main Error1 Criteria1	He:Fe,Ca,Mg, Mn

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
133	12/6/2024 17:35:46	Sample	2412046-007A	231	113SMPL.d	Fail	QC check failed.	1		ICPMS		
134	12/6/2024 17:38:32	Sample	2412054-001A	232	114SMPL.d	Fail	QC check failed.	1		ICPMS		
135	12/6/2024 17:41:20	CCV	CCV	125	115_CCV.d	Fail	QC check failed.	1		ICPMS		
136	12/6/2024 17:44:07	CCB	CCB	1	116_CCB.d	Pass		1		ICPMS		
137	12/6/2024 17:46:53	Sample	WASH	6	117SMPL.d	Pass		1		ICPMS		
138	12/6/2024 17:49:39	Sample	WASH	6	118SMPL.d	Pass		1		ICPMS		
139	12/6/2024 17:52:25	Sample	WASH	6	119SMPL.d	Pass		1		ICPMS		

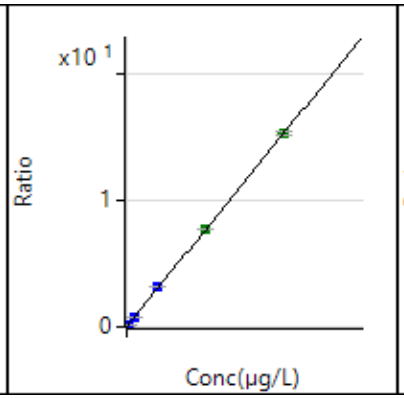
#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
133													
134													
135													
136													
137													
138													
139													

#	QC Failed Criteria	QC Failed Elements
133	Main Error1 Criteria1	He:Ca,Na,Mg, Mn
134	Main Error1 Criteria1	He:Ca,Na,K
135	Main Error1 Criteria1	He:Na,U
136		
137		
138		
139		

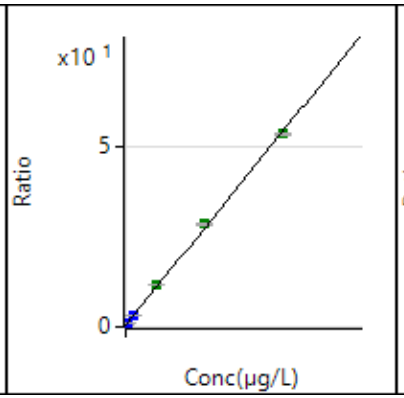
Calibration



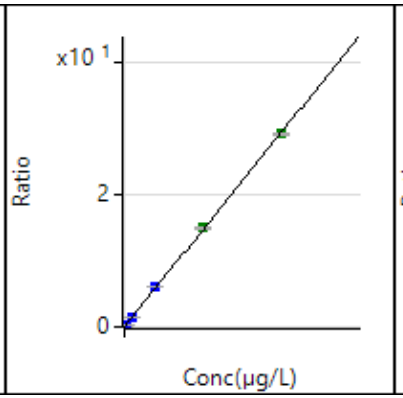
9 Be [No Gas]
ISTD: 6 Li
y = 9.684E-3 x + 4.448E-4
R 1.0000
DL 0.04147
BEC 0.04593



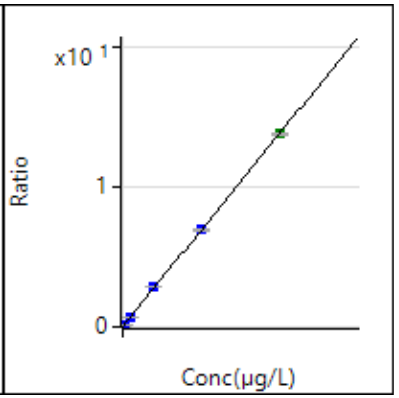
11 B [No Gas]
ISTD: 6 Li
y = 6.095E-3 x + 2.500E-2
R 1.0000
DL 0.06789
BEC 4.101



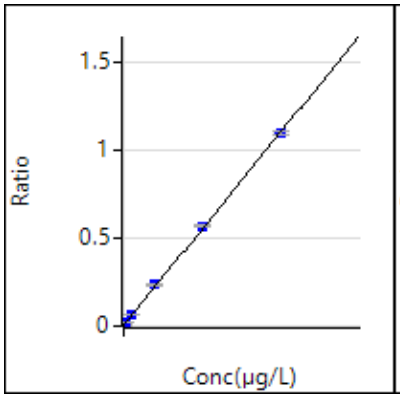
23 Na [He]
ISTD: 45 Sc
y = 1.077E-2 x + 5.025E-1
R 0.9997
DL 2.297
BEC 46.68



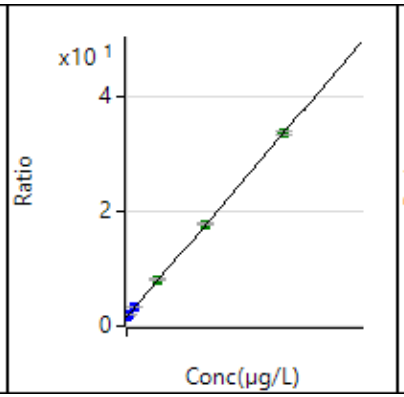
24 Mg [He]
ISTD: 45 Sc
y = 5.874E-3 x + 6.441E-3
R 0.9999
DL 0.2106
BEC 1.097



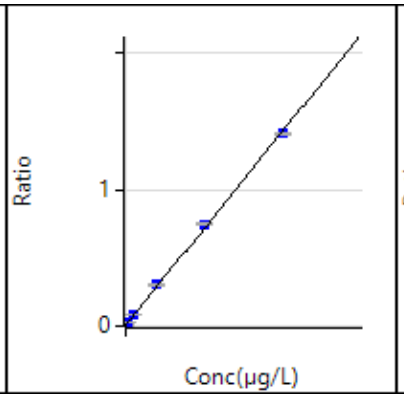
27 Al [He]
ISTD: 45 Sc
y = 2.773E-3 x + 4.299E-3
R 1.0000
DL 0.3916
BEC 1.55



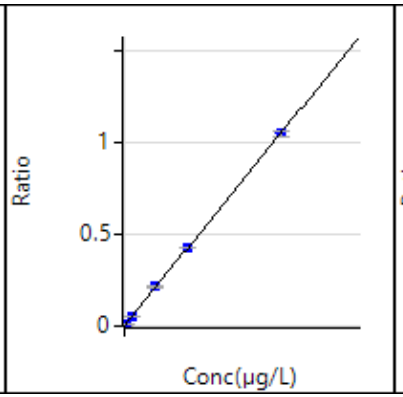
31 P [He]
ISTD: 45 Sc
y = 2.198E-4 x + 5.355E-3
R 0.9999
DL 6.301
BEC 24.36



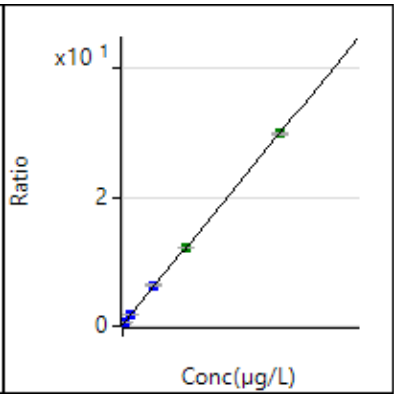
39 K [He]
ISTD: 45 Sc
y = 6.428E-3 x + 1.535E0
R 1.0000
DL 14.08
BEC 238.8



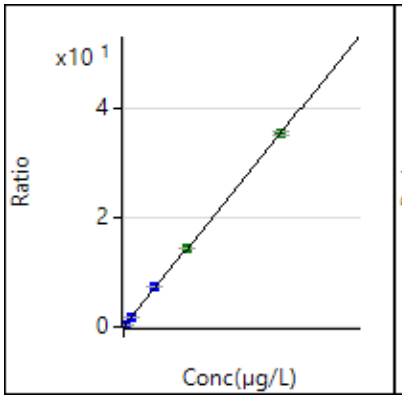
44 Ca [He]
ISTD: 45 Sc
y = 2.850E-4 x + 4.219E-3
R 0.9996
DL 2.643
BEC 14.81



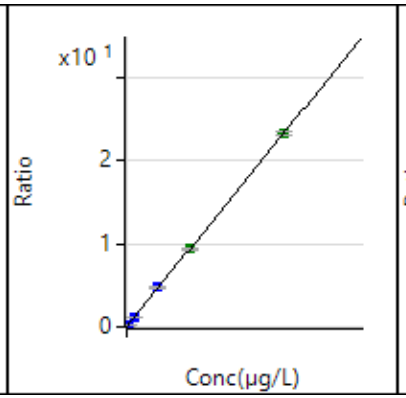
47 Ti [He]
ISTD: 45 Sc
y = 2.107E-3 x + 9.285E-5
R 1.0000
DL 0.09515
BEC 0.04408



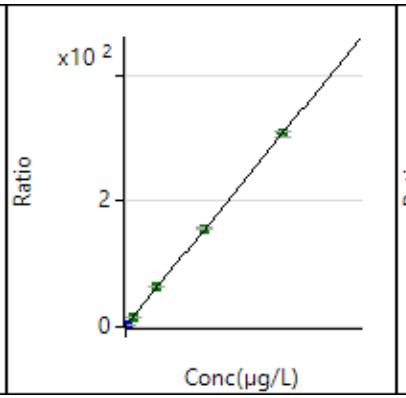
51 V [He]
ISTD: 45 Sc
y = 5.940E-2 x + 2.394E-1
R 1.0000
DL 0.3587
BEC 4.03



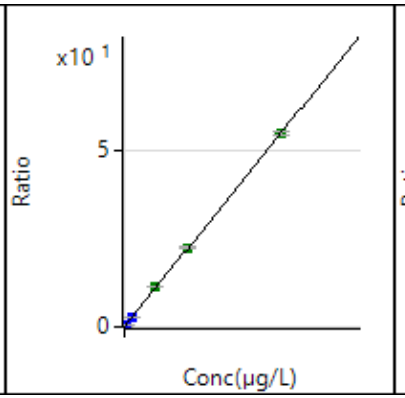
52 Cr [He]
ISTD: 45 Sc
y = 7.078E-2 x + 9.549E-3
R 0.9999
DL 0.005562
BEC 0.1349



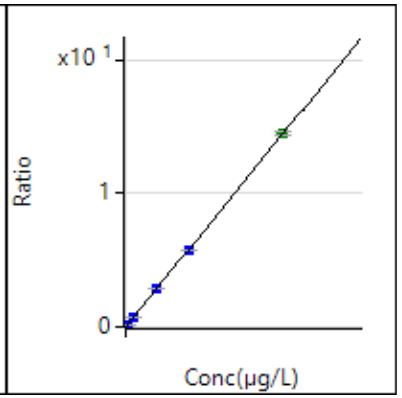
55 Mn [He]
ISTD: 45 Sc
y = 4.641E-2 x + 8.525E-3
R 1.0000
DL 0.008077
BEC 0.1837



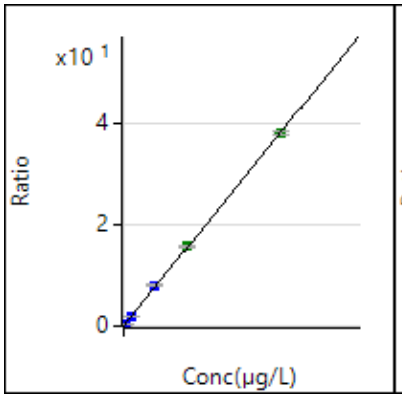
56 Fe [He]
ISTD: 45 Sc
y = 6.132E-2 x + 1.483E0
R 1.0000
DL 1.271
BEC 24.18



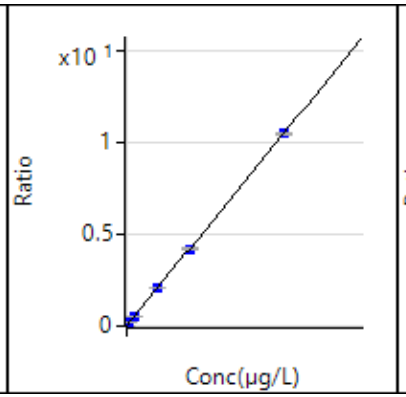
59 Co [He]
ISTD: 45 Sc
y = 1.095E-1 x + 1.368E-3
R 0.9999
DL 0.006174
BEC 0.01249



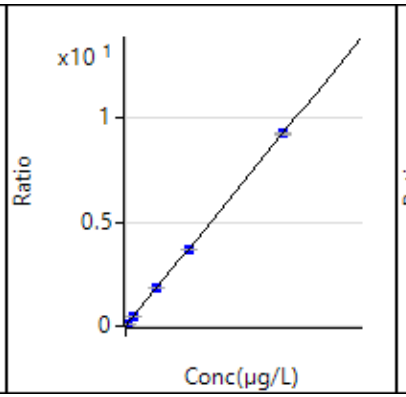
60 Ni [He]
ISTD: 45 Sc
y = 2.886E-2 x + 6.105E-4
R 1.0000
DL 0.006121
BEC 0.02115



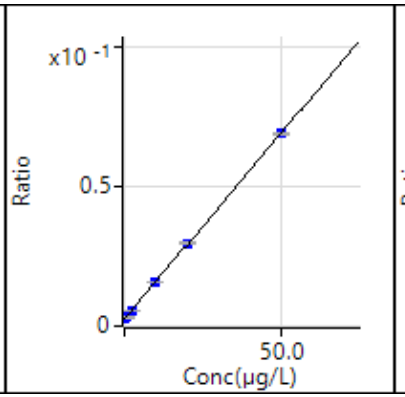
63 Cu [He]
ISTD: 45 Sc
y = 7.616E-2 x + 3.603E-2
R 0.9999
DL 0.01819
BEC 0.4731



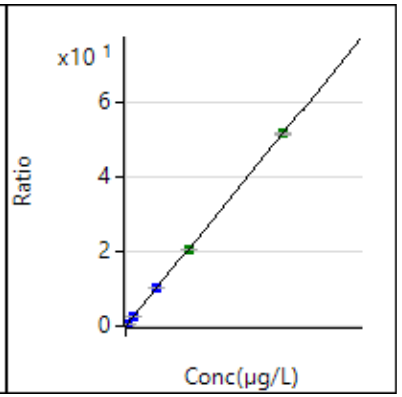
66 Zn [He]
ISTD: 72 Ge
y = 2.098E-2 x + 8.425E-3
R 1.0000
DL 0.07679
BEC 0.4015



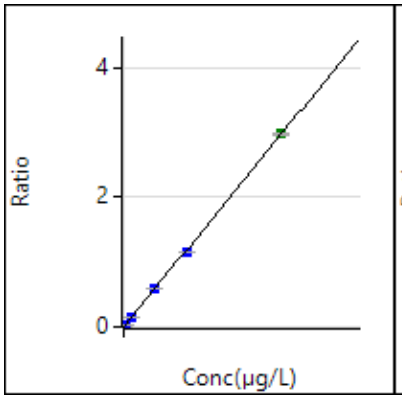
75 As [He]
ISTD: 72 Ge
y = 1.854E-2 x + 4.186E-3
R 1.0000
DL 0.03541
BEC 0.2258



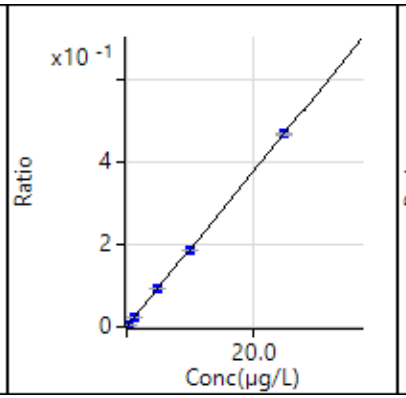
78 Se [He]
ISTD: 72 Ge
y = 1.331E-3 x + 2.507E-3
R 1.0000
DL 0.2687
BEC 1.883



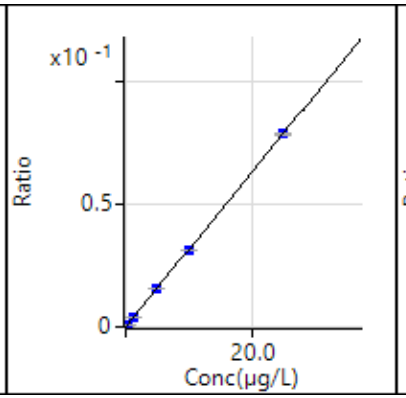
88 Sr [He]
ISTD: 72 Ge
y = 1.033E-1 x + 1.925E-3
R 1.0000
DL 0.006359
BEC 0.01864



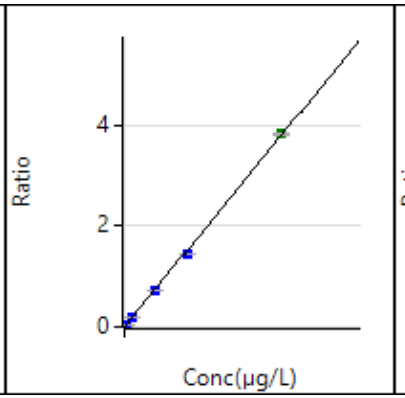
95 Mo [He]
ISTD: 115 In
y = 5.934E-3 x + 8.882E-5
R 0.9999
DL 0.01406
BEC 0.01497



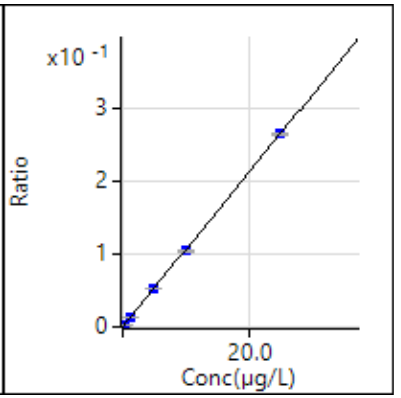
107 Ag [He]
ISTD: 115 In
y = 1.863E-2 x + 1.944E-4
R 1.0000
DL 0.001351
BEC 0.01044



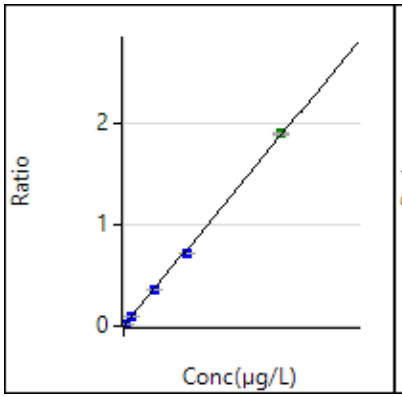
111 Cd [He]
ISTD: 115 In
y = 3.146E-3 x + 1.814E-6
R 1.0000
DL 0.0007714
BEC 0.0005767



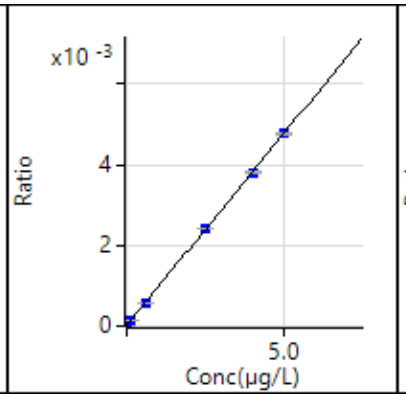
118 Sn [He]
ISTD: 115 In
y = 7.567E-3 x + 5.344E-4
R 0.9997
DL 0.04922
BEC 0.07062



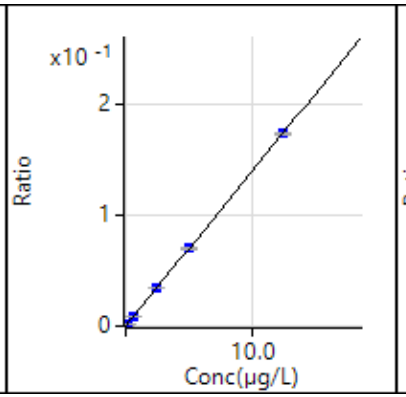
121 Sb [He]
ISTD: 115 In
y = 1.057E-2 x + 5.249E-5
R 1.0000
DL 0.002476
BEC 0.004966



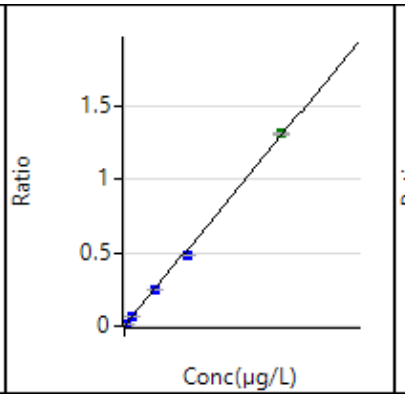
137 Ba [He]
ISTD: 115 In
y = 3.748E-3 x + 3.785E-5
R 0.9997
DL 0.01328
BEC 0.0101



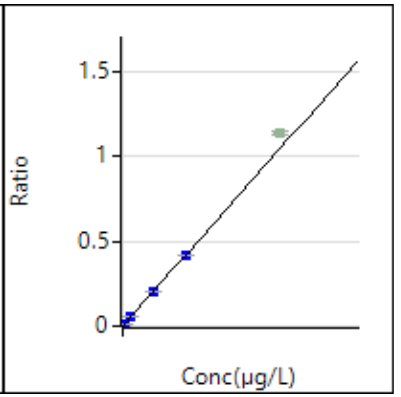
201 Hg [He]
ISTD: 159 Tb
y = 9.509E-4 x + 1.359E-5
R 1.0000
DL 0.002368
BEC 0.01429



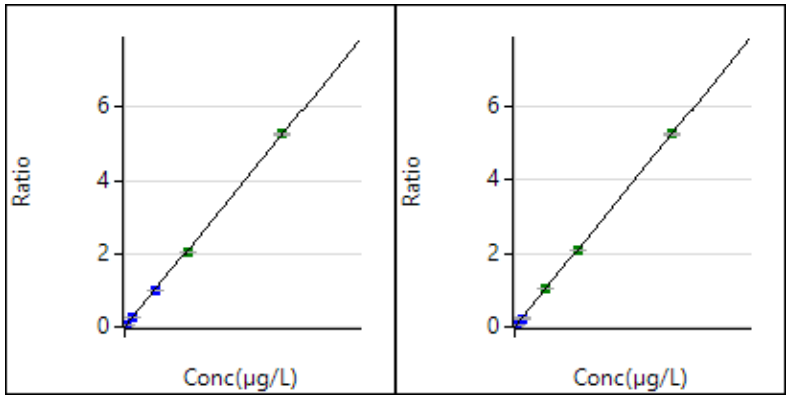
205 Tl [He]
ISTD: 159 Tb
y = 1.384E-2 x + 4.947E-6
R 1.0000
DL 0.0004673
BEC 0.0003574



206 [Pb] [He]
ISTD: 159 Tb
y = 5.174E-3 x + 1.895E-4
R 0.9995
DL 0.003893
BEC 0.03663

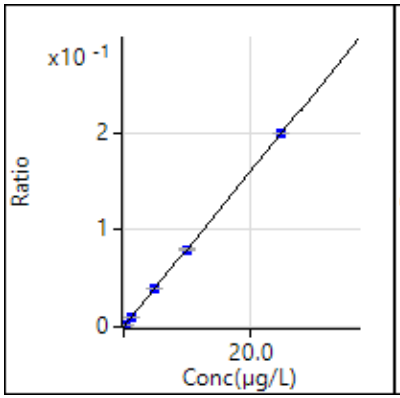


207 [Pb] [He]
ISTD: 159 Tb
y = 4.175E-3 x + 1.565E-4
R 0.9999
DL 0.004492
BEC 0.0375

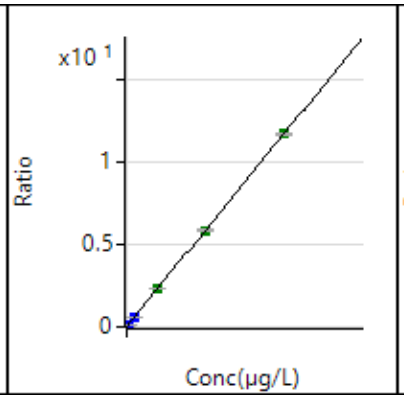


208 Pb [He]	
ISTD: 159 Tb	
y = 2.096E-2 x + 7.502E-4	
R	0.9999
DL	0.003816
BEC	0.0358

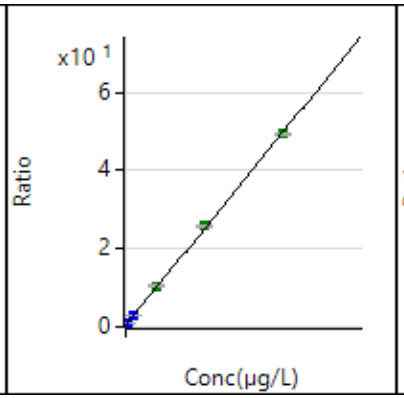
238 U [He]	
ISTD: 159 Tb	
y = 1.047E-2 x + 2.886E-5	
R	1.0000
DL	0.002338
BEC	0.002757



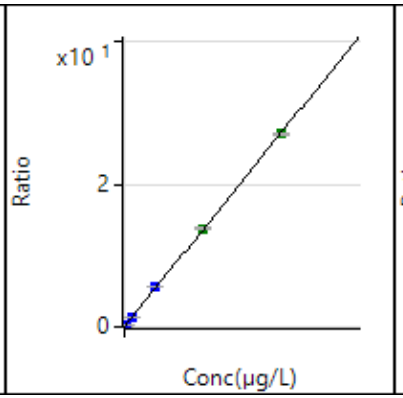
9 Be [No Gas]
ISTD: 6 Li
y = 7.935E-3 x + 3.134E-4
R 1.0000
DL 0.02644
BEC 0.0395



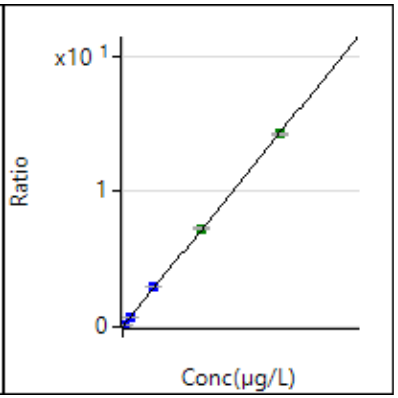
11 B [No Gas]
ISTD: 6 Li
y = 4.677E-3 x + 2.330E-2
R 1.0000
DL 0.4819
BEC 4.981



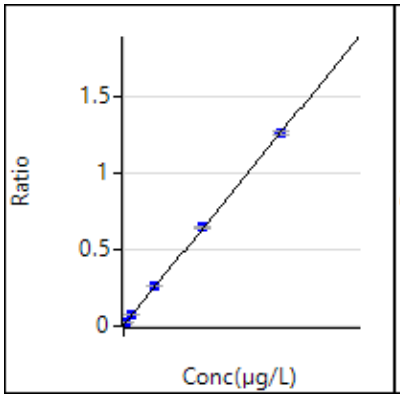
23 Na [He]
ISTD: 45 Sc
y = 9.883E-3 x + 3.682E-1
R 0.9998
DL 1.857
BEC 37.25



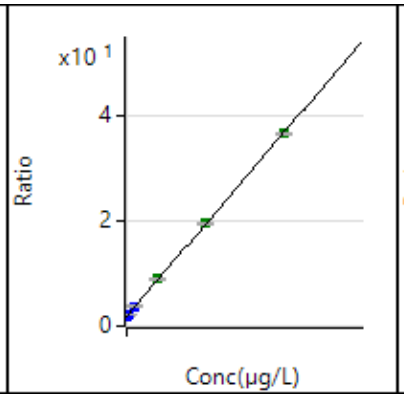
24 Mg [He]
ISTD: 45 Sc
y = 5.427E-3 x + 1.635E-2
R 1.0000
DL 0.3671
BEC 3.013



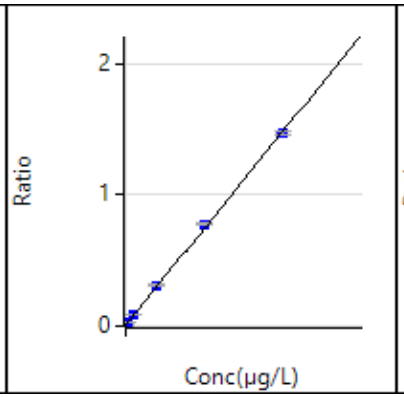
27 Al [He]
ISTD: 45 Sc
y = 2.864E-3 x + 8.719E-3
R 1.0000
DL 0.8555
BEC 3.045



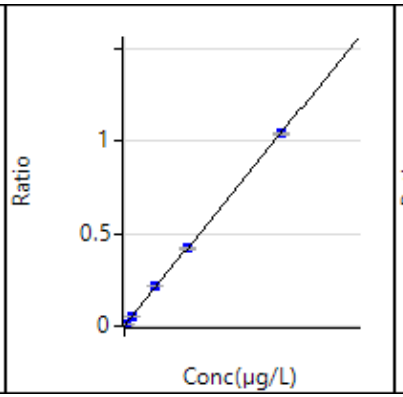
31 P [He]
ISTD: 45 Sc
y = 2.515E-4 x + 6.370E-3
R 0.9999
DL 2.406
BEC 25.33



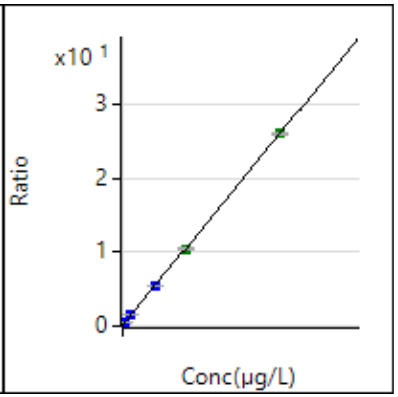
39 K [He]
ISTD: 45 Sc
y = 6.960E-3 x + 1.826E0
R 0.9999
DL 20.14
BEC 262.4



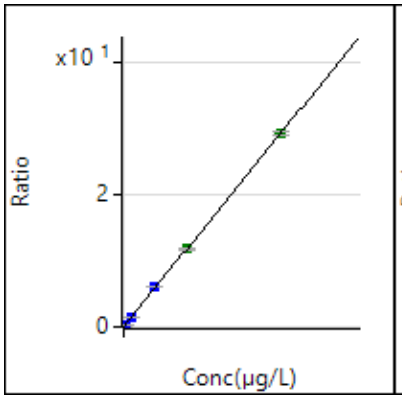
44 Ca [He]
ISTD: 45 Sc
y = 2.950E-4 x + 6.674E-3
R 0.9997
DL 1.497
BEC 22.62



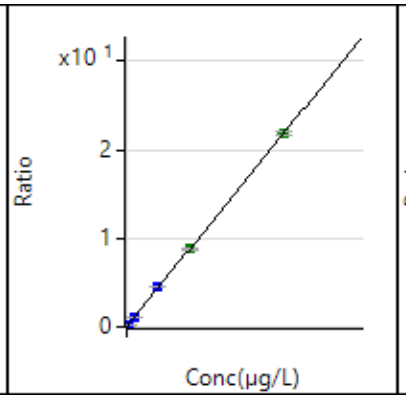
47 Ti [He]
ISTD: 45 Sc
y = 2.082E-3 x + 1.376E-4
R 1.0000
DL 0.07093
BEC 0.06606



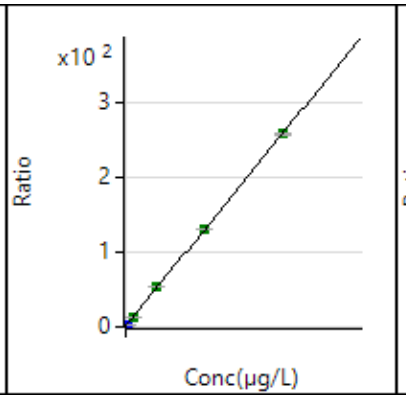
51 V [He]
ISTD: 45 Sc
y = 5.177E-2 x + 1.792E-1
R 1.0000
DL 0.2047
BEC 3.462



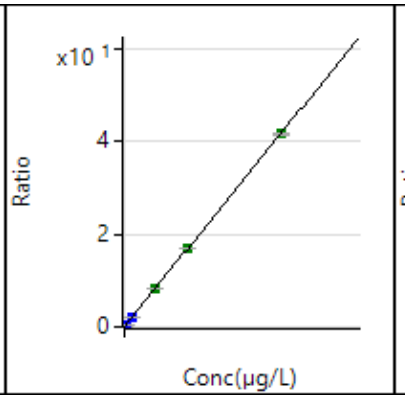
52 Cr [He]
ISTD: 45 Sc
y = 5.848E-2 x + 9.974E-3
R 1.0000
DL 0.02445
BEC 0.1706



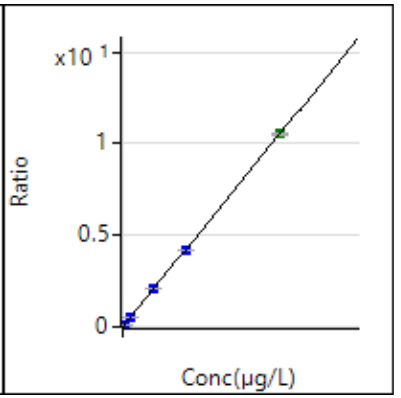
55 Mn [He]
ISTD: 45 Sc
y = 4.365E-2 x + 8.931E-3
R 1.0000
DL 0.01468
BEC 0.2046



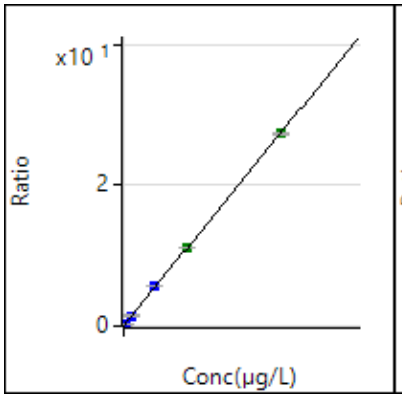
56 Fe [He]
ISTD: 45 Sc
y = 5.184E-2 x + 8.350E-1
R 1.0000
DL 1.218
BEC 16.11



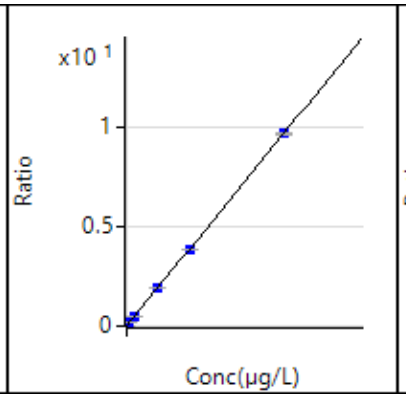
59 Co [He]
ISTD: 45 Sc
y = 8.345E-2 x + 1.498E-3
R 1.0000
DL 0.004898
BEC 0.01795



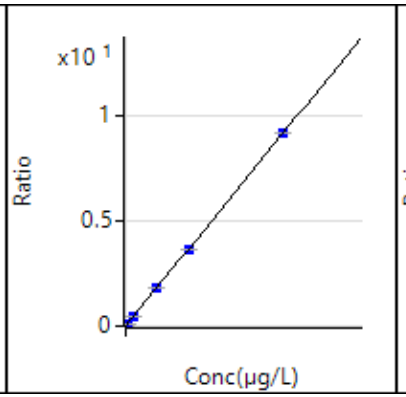
60 Ni [He]
ISTD: 45 Sc
y = 2.104E-2 x + 8.478E-4
R 1.0000
DL 0.01557
BEC 0.04029



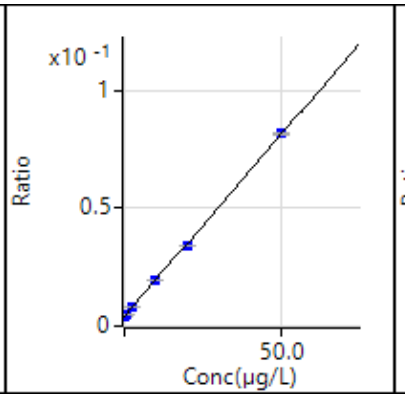
63 Cu [He]
ISTD: 45 Sc
y = 5.466E-2 x + 5.826E-2
R 1.0000
DL 0.04805
BEC 1.066



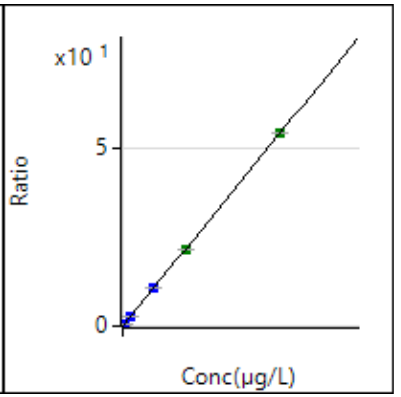
66 Zn [He]
ISTD: 72 Ge
y = 1.933E-2 x + 5.561E-3
R 1.0000
DL 0.02582
BEC 0.2877



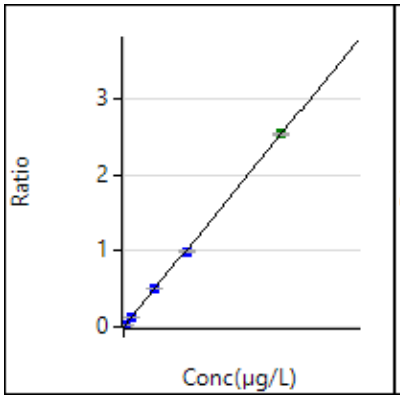
75 As [He]
ISTD: 72 Ge
y = 1.833E-2 x + 5.421E-3
R 1.0000
DL 0.01851
BEC 0.2957



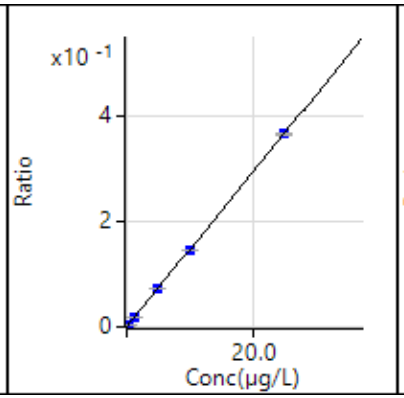
78 Se [He]
ISTD: 72 Ge
y = 1.542E-3 x + 4.220E-3
R 0.9999
DL 0.7127
BEC 2.738



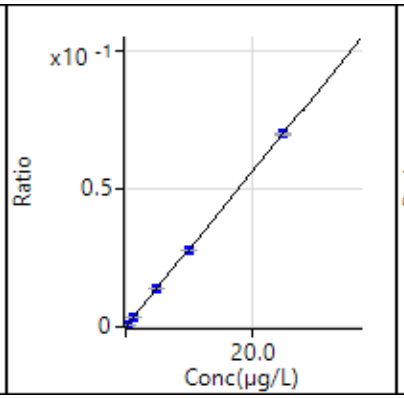
88 Sr [He]
ISTD: 72 Ge
y = 1.081E-1 x + 2.212E-3
R 1.0000
DL 0.006446
BEC 0.02046



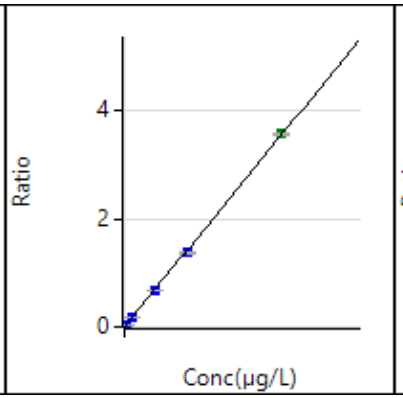
95 Mo [He]
ISTD: 115 In
y = 5.067E-3 x + 1.072E-4
R 1.0000
DL 0.01113
BEC 0.02116



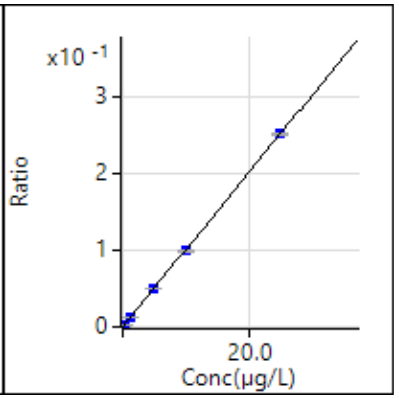
107 Ag [He]
ISTD: 115 In
y = 1.462E-2 x + 1.295E-4
R 1.0000
DL 0.002575
BEC 0.008857



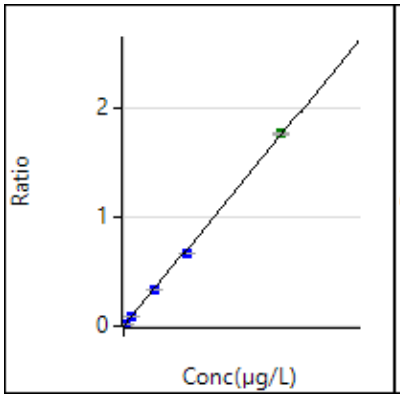
111 Cd [He]
ISTD: 115 In
y = 2.790E-3 x + 2.887E-6
R 1.0000
DL 0.0007683
BEC 0.001035



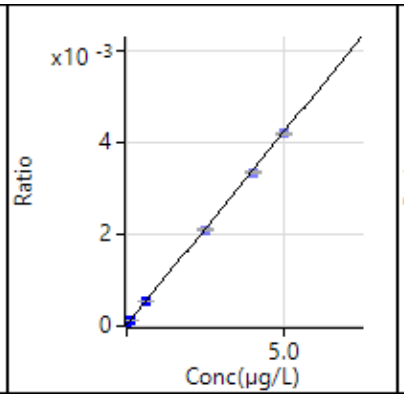
118 Sn [He]
ISTD: 115 In
y = 7.075E-3 x + 5.760E-4
R 0.9998
DL 0.0635
BEC 0.08141



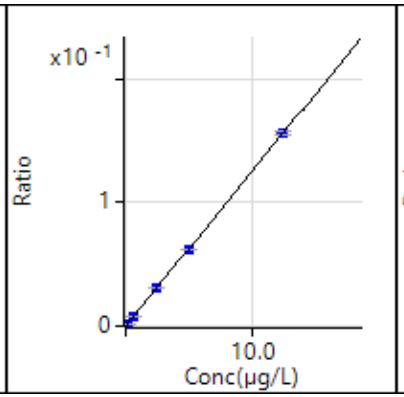
121 Sb [He]
ISTD: 115 In
y = 1.004E-2 x + 7.672E-5
R 1.0000
DL 0.004638
BEC 0.007641



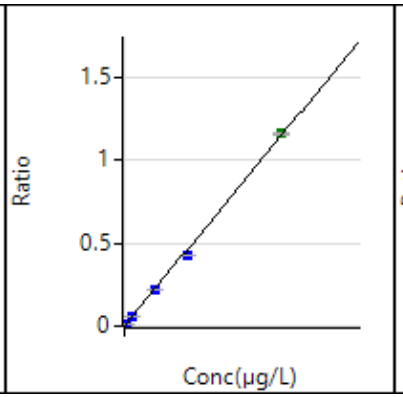
137 Ba [He]
ISTD: 115 In
y = 3.511E-3 x + 5.692E-5
R 0.9997
DL 0.009783
BEC 0.01621



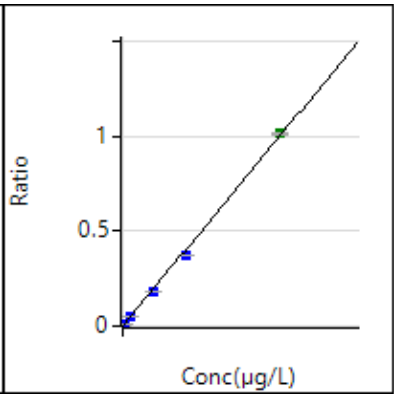
201 Hg [He]
ISTD: 159 Tb
y = 8.378E-4 x + 2.515E-5
R 1.0000
DL 0.01085
BEC 0.03002



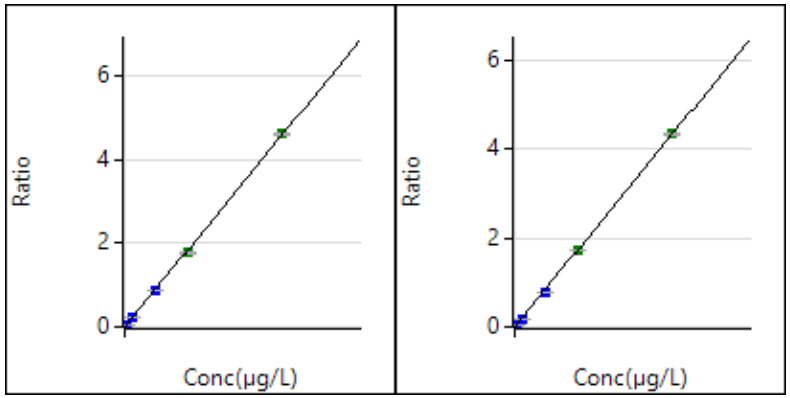
205 Tl [He]
ISTD: 159 Tb
y = 1.247E-2 x + 9.951E-6
R 1.0000
DL 0.0006056
BEC 0.000798



206 [Pb] [He]
ISTD: 159 Tb
y = 4.576E-3 x + 1.515E-4
R 0.9995
DL 0.006115
BEC 0.0331



207 [Pb] [He]
ISTD: 159 Tb
y = 4.009E-3 x + 1.283E-4
R 0.9995
DL 0.003859
BEC 0.032



208 Pb [He]		238 U [He]	
ISTD: 159 Tb		ISTD: 159 Tb	
y = 1.833E-2 x + 5.784E-4		y = 8.620E-3 x + 3.972E-5	
R	0.9998	R	0.9998
DL	0.002274	DL	0.00397
BEC	0.03155	BEC	0.004608

Tunes

US EPA Tune Check Report

Operator Name	ICPMS
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\241205ME .b
Acq. Date-Time	12/5/2024 11:04:26
Report Comment	---
Instrument Name	G8422A SG22151236

[No Gas]

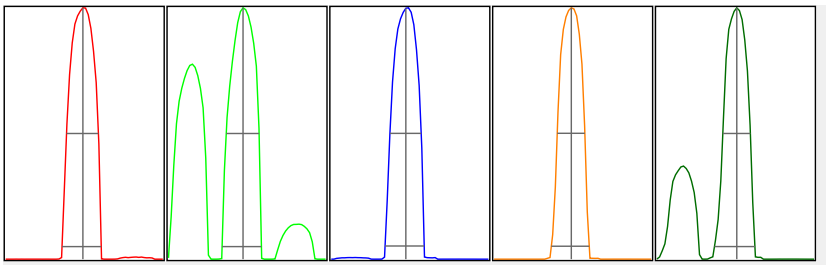
Sensitivity

Mass	Conc. [ug/L]	Count	CPS	Resp (Required) [cps/(ug/L)]	Resp (Flag)	RSD%	RSD% (Required)
9	10.00	13443	134428.39			2.890	5.000
24	10.00	58495	584951.40			2.538	5.000
59	10.00	195085	1950850.63			2.372	5.000
115	10.00	364032	3640316.79			2.343	5.000
208	10.00	210517	2105171.09			2.396	5.000

Mass	RSD% (Flag)
9	
24	
59	
115	
208	

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	13203.13	9.00	8.90 - 9.10	
24	59771.07	23.95	23.90 - 24.10	
59	196450.61	58.95	58.90 - 59.10	
115	363532.94	115.00	114.90 - 115.10	
208	210238.76	208.05	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.60	0.736	0.900	
24	0.62	0.739	0.900	
59	0.59	0.735	0.900	
115	0.52	0.712	0.900	

US EPA Tune Check Report

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
208	0.52	0.760	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	37.4
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.09 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.7 V	Deflect	13.0 V
Extract 2	-145.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-70 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	124	Axis Gain	0.9994	QP Bias	-3.0 V
Mass Offset	126	Axis Offset	0.05		

Hardware Settings

Torch

Torch H	0.2 mm	Torch V	0.6 mm

EM

Discriminator	3.1 mV	Analog HV	2167 V	Pulse HV	1681 V

[He]

Sensitivity

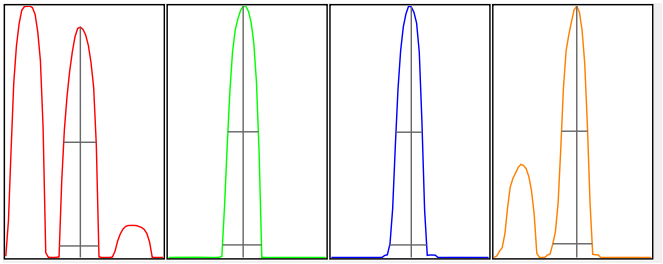
Mass	Conc. [ug/L]	Count	CPS	Resp (Required) [cps/(ug/L)]	Resp (Flag)	RSD%	RSD% (Required)
24	10.00	4837	48372.27			2.595	5.000
59	10.00	91026	910260.62			1.816	5.000
115	10.00	148509	1485091.55			2.047	5.000
208	10.00	134976	1349764.25			3.627	5.000

Mass	RSD% (Flag)
24	
59	
115	
208	

Integration Time [sec]	0.1

US EPA Tune Check Report

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
24	4936.50	23.95	23.90 - 24.10	
59	89802.28	58.95	58.90 - 59.10	
115	147106.27	115.05	114.90 - 115.10	
208	141016.75	208.10	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
24	0.61	0.738	0.900	
59	0.57	0.732	0.900	
115	0.49	0.693	0.900	
208	0.49	0.739	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	29.92
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.09 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.2 V	Deflect	0.0 V
Extract 2	-200.0 V	Cell Entrance	-40 V	Plate Bias	-55 V
Omega Bias	-95 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	3.0 V
He Flow	4.3 mL/min	OctP Bias	-18.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	124	Axis Gain	0.9994	QP Bias	-15.0 V
Mass Offset	126	Axis Offset	0.05		

Hardware Settings

Torch

Torch H	0.2 mm	Torch V	0.6 mm

EM

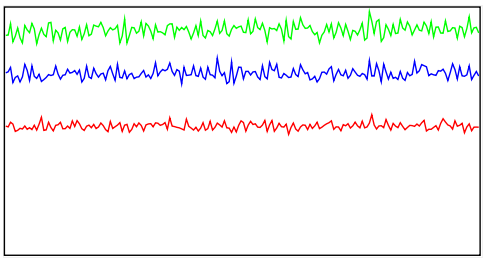
US EPA Tune Check Report

Discriminator	3.1 mV	Analog HV	2167 V	Pulse HV	1681 V

Performance Report

Operator Name	ICPMS
Acq. Date-Time	12/5/2024 07:45:15
Instrument Name	G8422A SG22151236
Sample Introduction	PeriPump
Nebulizer Type	MicroMist
Ion Lens Model	x-Lens
Tune Parameters	Standard Tune

Sensitivity



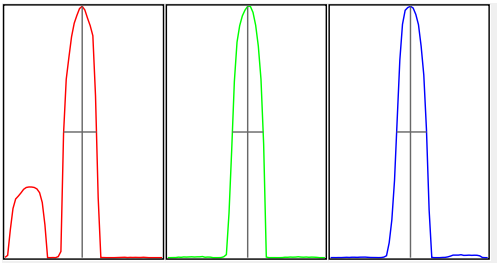
Mass	Range	Count	RSD%	Background
7	5000	2602	2.572	1.350
89	10000	9113	2.672	1.450
205	10000	7346	2.815	8.100

Sampling Period [sec]	0.311
Integration Time [sec]	0.1

Oxide/Doubly Charged Ratio

Oxide	156 / 140 1.294 %
Doubly Charged	70 / 140 1.331 %

Resolution/Axis



Mass	Peak Height	Axis	W-50%	W-10%
7	2653.30	7.00	0.62	0.72
89	9191.12	89.05	0.58	0.71
205	7302.59	205.05	0.56	0.75

Integration Time [sec]	0.1
Acquisition Time [sec]	22.74

Tune Parameters

Plasma Parameters

RF Power	1550 W	Option Gas	---	Makeup Gas	0.00 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Auxiliary Gas	0.90 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C	Plasma Gas	15.0 L/min
Nebulizer Gas	1.09 L/min				

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.4 V	Deflect	13.0 V
Extract 2	-195.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-100 V	Cell Exit	-50 V		

Performance Report

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

QP Bias	-3.0 V

Hardware Settings

Torch

Torch H	0.2 mm	Torch H (Hot)	---	Torch H (Cool)	---
Torch V	0.6 mm	Torch V (Hot)	---	Torch V (Cool)	---

Plasma Correction

Nebulizer Gas Offset	0.04 L/min	Makeup Gas (Hot)	---	Makeup Gas (Cool)	---
		Sample Depth (Hot)	---		

Resolution/Axis

Mass Gain	124	Axis Gain	0.9994		
Mass Offset	126	Axis Offset	0.05		

EM

Discriminator	3.1 mV	Analog HV	2167 V	Pulse HV	1681 V

Performance Report

Meter

Name	Value	Unit
Nebulizer Gas	1.09	L/min
MU./Dil. Gas	0.00	L/min
Plasma Gas	14.99	L/min
Aux Gas	0.90	L/min
Ar Gas Tank Press	5.57E+2	kPa
+5V (Press Gage)	5.0	V
Ar AMFC Temp	25.9	°C
Nebulizer Gas(DP)	5.80E+0	kPa
MU./Dil. Gas(DP)	-1.85E-1	kPa
Aux Gas(DP)	1.07E+1	kPa
Plasma Gas(DP)	1.17E+1	kPa
Nebulizer Gas(BP)	3.03E+2	kPa
MU./Dil. Gas(BP)	0.00E+0	kPa
Aux Gas(BP)	5.93E+1	kPa
Plasma Gas(BP)	4.21E+1	kPa
S/C Temp (H)	21.2	°C
S/C Temp (L)	2.0	°C
Peltier Voltage	3.5	V
IF/BK Press	2.22E+2	Pa
Analyzer Press	4.28E-5	Pa
IG HV	178	V
IG Emission	4.96	µA
TMP Revolution	100.0	%
TMP Rev (Raw)	100.6	%
TMP Current	2.48	A
PWR AMP Drain I	0.4	A
PWR AMP Bias	4.04	V
OctP RF (Avg)	202.8	V
OctP RF Set	4.0	V
OctP FET Bias Set	3.94	V
OctP RF(+)	177.8	V
OctP RF(-)	226.7	V
OctP Bias	-7.9	V
Cell Temp.	65.0	°C
Cell Heater Volt.	4.4	V
+U Voltage	173.8	V

Name	Value	Unit
-U Voltage	-179.6	V
V Voltage	773.4	V
QPRF Fader	0.5	V
Pickup Temp	55.0	°C
PWR Amp Temp	0.1	V
+600V	618.7	V
-120V	-132.7	V
-720V	-741.5	V
Prefilter Bias	-4.95	V
Pickup Heater I	0.11	A
QP PS +48V	47.5	V
QP PS +48V I	0.00	A
Analog HV	-2172	V
Pulse HV	1693	V
EM Gate	-27.6	V
Pulse Gate	378.7	V
EM Entrance	0.1	V
EM HV Gain	-790.1	V
Inner Pole	-299.9	V
Outer Pole	19.9	V
Analog -5V	-5.1	V
Analog +15V	14.5	V
Analog -15V	-14.4	V
Analog +5V	5.2	V
Shunt C Pos	1.5	V
Drain Volt.(max)	60.5	V
RF PS +48V	47.0	V
Forward Power	1550	W
Reflected Power	4	W
Plasma Freq.	27.05	MHz
Drain I 1	11.52	A
Drain I 2	10.42	A
Drain I 3	10.84	A
Drain I 4	11.43	A
Temp Sensor	2.8	V
Driver I	6.16	A

Name	Value	Unit
Igniter	0.0	V
Driver Voltage Set	6.9	V
Unbalance Current	0.35	A
PWM Threshold Set	0.2	V
Driver Voltage	5.6	V
PWM Threshold	0.2	V
Phase Detector	0.0	mV
H2 Gas	0.00	mL/min
He Gas	0.12	mL/min
H2 Gas Press	1.71E+2	kPa
He Gas Press	0.00E+0	kPa
ORS AMFC Temp	25.9	°C
Atmospheric Press	1.02E+2	kPa
Extract 1	0.0	V
Extract 2	-195.0	V
Omega Bias	-100.0	V
Omega Lens	9.6	V
Cell Entrance	-30.0	V
Cell Exit	-50.1	V
Deflect	13.0	V
Plate Bias	-35.0	V
HV+530V	530	V
HV+240V	238	V
HV-360V	-360	V
Inlet Temp	22.3	°C
Internal Temp	31.4	°C
+24V	23.7	V
Water Temp	22.4	°C
Water RF/WC/IF	1.50	L/min
AVS Pump Speed	0.0	%
Valve Position		
Tune/ISTD Valve		

Performance Report History

Sensitivity

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/5/2024 07:45:15	2602	9113	7346
12/4/2024 08:35:28	2839	9667	7564
12/3/2024 09:38:46	3015	11193	9379
12/3/2024 09:10:25	2907	9157	7638
12/2/2024 09:48:14	2604	11442	9841
11/27/2024 09:18:02	3476	12162	11898
11/27/2024 08:40:33	3385	11944	12062
11/26/2024 07:52:41	3744	12035	11820
11/25/2024 10:52:38	3880	13207	12363
11/25/2024 08:43:09	2919	8152	7210
11/25/2024 08:31:48	2322	6799	6373
11/22/2024 06:29:21	4341	13631	11908
11/21/2024 10:07:26	4232	13850	11980
11/21/2024 09:58:26	4337	13867	11641
11/21/2024 09:53:21	4336	13943	11865
11/20/2024 08:50:13	3327	11963	9773
11/19/2024 09:07:39	2881	12066	10310
11/18/2024 09:11:09	3258	12805	10761
11/15/2024 09:02:37	2693	8707	6754
11/14/2024 09:56:47	3179	12036	10196
11/14/2024 09:44:41	2030	6528	5373
11/14/2024 09:39:59	2088	6876	5431
11/14/2024 09:21:41	2135	6090	4966
11/14/2024 09:16:53	2193	6427	5066
11/13/2024 10:17:19	2967	12322	10924
11/12/2024 08:42:23	2896	10156	8865
11/12/2024 08:34:20	2091	6271	5013
11/11/2024 09:46:29	2704	9103	8129
11/11/2024 09:31:26	1451	4130	3151
11/11/2024 09:09:19	1556	4381	3353
11/8/2024 09:40:41	3878	12850	11278
11/7/2024 12:08:43	2848	10226	8292
11/7/2024 12:03:35	2627	8637	6728
11/7/2024 11:08:15	3976	13810	11381
11/7/2024 10:32:04	3532	13174	11182
11/7/2024 10:13:44	3716	11909	8198
11/7/2024 09:49:05	3693	13084	12786
11/6/2024 08:55:41	3378	15088	11319
11/5/2024 09:02:15	3773	15490	10953
11/4/2024 09:59:50	3402	15159	11216
11/4/2024 09:42:34	1057	3669	2186

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/4/2024 09:13:54	2351	8941	5502
11/1/2024 08:59:46	3717	16612	11556
10/31/2024 09:14:27	3337	15432	11693
10/30/2024 16:33:14	3797	17300	11789
10/30/2024 11:25:36	3655	14542	11817
10/30/2024 10:54:46	2413	7307	5091
10/30/2024 09:09:15	2981	9609	6862
10/29/2024 11:26:39	3194	11766	9190
10/29/2024 10:54:54	3026	11294	9461
10/29/2024 09:36:05	2893	8670	6437
10/29/2024 09:04:30	2784	8761	6754
10/28/2024 12:26:28	3435	10521	7399
10/28/2024 09:57:52	3258	12158	9024
10/25/2024 13:22:08	3268	11240	9552
10/25/2024 13:09:08	2630	7875	5867
10/25/2024 10:35:56	3217	10194	8481
10/25/2024 09:26:45	2628	9694	7739
10/25/2024 09:03:40	2688	8459	5359
10/24/2024 17:10:08	3080	10118	10097
10/24/2024 11:19:48	3870	14779	11560
10/24/2024 08:53:34	4135	16022	12555
10/23/2024 08:59:04	4087	16614	13183
10/22/2024 09:55:36	3983	15001	13012
10/21/2024 09:31:04	4538	15014	12821
10/18/2024 09:37:11	4383	14724	11994
10/17/2024 09:00:58	3900	14698	13119
10/16/2024 11:21:27	4189	14816	12534
10/16/2024 09:02:59	3438	10582	8196
10/15/2024 10:12:35	3435	10846	9239
10/14/2024 08:46:09	3541	15986	12186
10/11/2024 08:49:47	3690	15862	11666
10/10/2024 08:52:01	3700	15402	11824
10/9/2024 08:27:16	3626	15774	12277
10/8/2024 10:52:55	2362	10542	7908
10/8/2024 09:47:42	3911	15304	12906
10/7/2024 10:47:10	3992	14955	12794
10/7/2024 09:10:56	3382	13538	12792
10/7/2024 08:55:15	2656	8709	7524
10/4/2024 09:16:15	3872	14221	12466
10/3/2024 09:27:44	3365	12368	10800
10/3/2024 08:49:43	2982	10090	8450

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
10/3/2024 08:29:02	2995	10810	8612
10/2/2024 11:08:13	3324	11671	10170
10/2/2024 08:39:41	3353	10241	7732
10/1/2024 10:14:04	3370	11872	10693
9/30/2024 08:49:31	3503	14869	12082
9/27/2024 08:14:47	4409	16282	11577
9/26/2024 08:09:12	3884	15616	12097
9/25/2024 09:11:08	3580	16691	12938
9/24/2024 09:35:48	4222	16263	13022
9/23/2024 09:00:30	3708	15742	12736
9/20/2024 09:05:28	3987	15551	12694
9/19/2024 09:00:53	4313	16809	12564
9/18/2024 11:34:33	4095	14853	12453
9/18/2024 09:06:37	4445	16590	12240
9/17/2024 12:16:40	4163	14965	13304
9/17/2024 10:09:01	4176	14949	13142
9/16/2024 09:06:13	3051	12572	8977
9/13/2024 16:50:14	4283	16184	11408
9/13/2024 08:54:29	4066	17163	12371
9/12/2024 08:56:53	4002	16732	12377
9/11/2024 09:06:29	2910	10224	6989
9/10/2024 09:46:13	3531	13275	10400
9/9/2024 08:47:13	3100	13781	11716
9/9/2024 08:34:46	2186	7930	5968
9/6/2024 08:58:38	3296	13115	10876
9/5/2024 08:40:15	3699	13907	11131
9/4/2024 08:38:45	3411	15290	10844
9/3/2024 12:05:58	3899	14950	9780
9/3/2024 11:05:58	4188	14542	9410
9/3/2024 08:41:14	4155	14456	9772
8/30/2024 08:41:51	4377	15431	12571
8/29/2024 17:44:51	3896	15116	12679
8/29/2024 10:01:21	3933	13845	12605
8/28/2024 08:40:35	3730	15164	11267
8/27/2024 08:32:46	3843	16710	10929
8/26/2024 10:42:47	3976	12882	10259
8/23/2024 09:05:16	3432	12892	9568
8/22/2024 08:43:54	3662	14009	10981
8/21/2024 08:04:13	3190	14776	11594
8/20/2024 09:20:37	4220	16080	10288
8/19/2024 10:25:21	3050	10181	8067

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/19/2024 09:17:03	3195	9903	8321
8/16/2024 08:56:38	3253	15296	12175
8/15/2024 08:28:01	3146	14138	12111
8/14/2024 08:24:41	3158	13973	11673
8/13/2024 08:51:41	3023	15070	13056
8/12/2024 09:10:43	3411	12432	11805
8/12/2024 08:57:52	1786	5237	5122
8/9/2024 11:39:50	3767	15758	13022
8/9/2024 10:08:20	12	1	3
8/8/2024 08:40:39	3024	12546	9719
8/7/2024 09:19:16	2917	12165	9488
8/6/2024 11:12:44	2859	11998	10016
8/6/2024 10:53:38	2232	10655	9558
8/5/2024 10:40:17	2691	10635	9226
8/5/2024 10:09:19	2125	6835	5664
8/5/2024 09:55:23	2365	7939	6556
8/2/2024 09:40:16	3340	11024	9295
8/2/2024 08:37:48	3505	10692	8586
8/1/2024 10:38:00	3758	12250	9330
8/1/2024 09:06:45	3389	10556	9761
7/31/2024 08:13:58	3039	11937	9529
7/30/2024 08:50:51	2533	10165	9332
7/29/2024 16:06:05	3222	12529	9934
7/29/2024 12:07:28	3037	11992	10136
7/29/2024 11:14:31	3174	12095	10013
7/29/2024 10:15:21	2846	11965	10483
7/26/2024 08:53:52	3203	12639	10549
7/25/2024 09:09:23	2585	8526	8080
7/24/2024 15:10:09	3079	9987	9009
7/24/2024 08:46:25	3148	11490	9796
7/23/2024 09:32:54	3357	11492	9580
7/22/2024 10:18:30	3442	12004	11023
7/19/2024 08:55:06	3486	11885	10185
7/18/2024 09:06:31	3257	9447	8888
7/17/2024 13:03:52	2495	9473	8373
7/17/2024 08:53:29	2867	10755	8619
7/16/2024 08:54:03	2886	10903	8985
7/15/2024 10:39:29	2656	10995	8921
7/15/2024 10:30:38	103	5	6
7/15/2024 10:13:57	1404	5260	4224
7/15/2024 09:02:48	3268	12919	10156

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
7/12/2024 08:34:22	2706	11570	8940
7/11/2024 09:57:22	2727	11970	8459
7/10/2024 08:53:17	2246	9073	7312
7/9/2024 11:54:06	3038	12303	9808
7/9/2024 11:32:31	2139	7705	5834
7/9/2024 11:26:38	2090	7758	5904
7/9/2024 10:39:16	3437	12816	9591
7/9/2024 09:17:46	2577	11478	8879
7/9/2024 08:57:06	3286	13034	8974
7/8/2024 09:21:55	3166	12745	9642
7/8/2024 09:16:31	3066	12665	9668
7/5/2024 09:03:10	3288	13628	11266
7/3/2024 13:05:52	3539	13046	10137
7/3/2024 11:25:40	3213	12344	9957
7/3/2024 09:13:37	3169	12570	10423
7/3/2024 08:44:49	2051	12221	9873
7/2/2024 10:26:17	2328	11750	10360
7/2/2024 08:58:12	3072	10344	9707
7/1/2024 14:16:19	3282	10802	9231
7/1/2024 10:01:10	3288	12796	10476
6/28/2024 08:25:22	3484	12596	10301
6/27/2024 08:34:14	3474	12721	10120
6/27/2024 08:11:22	1666	11338	9258
6/26/2024 07:54:24	2501	8288	8428
6/25/2024 09:02:17	2627	12790	10975
6/24/2024 09:30:27	2976	12050	10056
6/21/2024 08:55:34	3096	13175	9957
6/21/2024 08:22:44	1280	11401	9041
6/20/2024 09:00:43	2564	9588	8694
6/19/2024 07:51:31	2980	11922	9704
6/18/2024 07:52:20	3296	11922	9824
6/17/2024 08:58:45	3009	9463	9003
6/14/2024 08:44:27	2879	12214	10357
6/13/2024 08:42:30	3176	12682	10526
6/12/2024 09:03:47	2996	12633	11312
6/11/2024 08:44:40	3492	13252	10118
6/10/2024 09:31:51	4111	13060	10421
6/10/2024 09:17:04	3508	11070	8441
6/10/2024 09:10:07	3930	12555	9564
6/7/2024 09:02:38	3417	11597	7618
6/6/2024 15:20:20	2950	9649	8247

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
6/6/2024 05:03:01	3480	13184	11025
6/6/2024 04:59:28	3438	13257	11014
6/5/2024 08:30:26	3575	12412	10789
6/4/2024 08:52:51	3401	12310	11419
6/4/2024 08:39:35	2814	11768	10904
6/4/2024 08:33:37	3060	12687	11246
6/3/2024 10:10:17	3272	10175	10494
6/3/2024 09:51:43	1907	6599	4712
6/3/2024 09:44:54	2209	7627	5199
6/3/2024 09:30:49	3299	9738	9247
5/31/2024 08:42:32	3301	13328	10713
5/30/2024 09:08:46	3406	13401	10419
5/29/2024 09:04:40	3587	13162	10590
5/29/2024 08:48:40	1739	11664	8844
5/29/2024 08:44:08	1858	12854	9297
5/28/2024 09:34:37	3138	12513	10682
5/24/2024 07:20:01	3325	12857	11044
5/23/2024 10:25:13	3407	12821	11140
5/22/2024 09:45:06	3583	12763	11601
5/21/2024 09:06:58	3752	13803	11837
5/21/2024 08:01:17	3966	14413	11053
5/20/2024 17:22:27	3645	10846	9662
5/20/2024 17:18:56	3613	10801	9645
5/20/2024 09:20:56	3333	12566	10681
5/17/2024 09:12:39	3467	13701	10660
5/16/2024 08:56:23	3599	13565	10699
5/15/2024 09:38:13	3581	13159	10227
5/15/2024 09:21:01	1917	11948	9850
5/14/2024 09:41:16	3346	12368	10966
5/14/2024 09:04:40	3206	11414	12297
5/13/2024 09:04:44	2639	15138	12300
5/10/2024 08:57:17	2178	13865	10279
5/9/2024 09:06:46	2313	13292	10727
5/9/2024 08:50:21	1763	12142	9522
5/9/2024 08:44:20	1789	12171	9682
5/8/2024 09:39:10	3313	11092	11044
5/7/2024 17:05:39	3463	13115	10886
5/7/2024 16:48:43	3264	12073	10628
5/7/2024 09:19:24	3347	12706	11167
5/6/2024 09:15:59	3892	14499	12724
5/6/2024 09:03:10	3843	14665	13481

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
5/3/2024 09:11:06	3540	13100	11548
5/2/2024 09:48:24	3670	12233	11836
5/1/2024 09:22:54	4036	13686	11251
4/30/2024 10:43:56	4361	13605	11359
4/30/2024 08:17:01	4350	13793	11664
4/29/2024 09:10:57	4751	14089	11140
4/29/2024 08:57:45	3329	9292	6892
4/26/2024 08:09:31	5054	14978	10788
4/25/2024 09:37:51	4308	13902	11794
4/24/2024 09:17:24	4876	17662	12102
4/23/2024 22:46:11	4199	16180	12059
4/23/2024 09:01:59	3715	15592	11876
4/22/2024 10:16:34	4292	15978	13578
4/19/2024 10:59:00	3974	16385	11540
4/19/2024 10:07:48	2645	8439	3189
4/19/2024 09:10:32	360162	657303	2022720
4/18/2024 09:24:23	3369	17060	12485
4/17/2024 17:03:53	2828	16000	10229
4/17/2024 16:22:27	2262	14213	9009
4/17/2024 09:09:54	3608	12353	11595
4/16/2024 09:06:44	4046	14969	11814
4/15/2024 09:14:49	4139	16052	12083
4/12/2024 08:28:21	4666	17208	13280
4/11/2024 08:35:01	4138	17113	13613
4/10/2024 09:48:58	4018	16844	14484
4/9/2024 08:56:49	3881	15432	13181
4/8/2024 09:25:48	4035	16790	14224
4/5/2024 08:28:47	3893	17251	13416
4/4/2024 11:00:01	2778	10338	7494
4/4/2024 10:45:12	4028	16465	14158
4/3/2024 08:29:42	3630	16640	12452
4/2/2024 09:43:44	3046	17903	13815
4/1/2024 09:27:15	3194	17804	13701
3/29/2024 08:53:28	2520	17006	12384
3/28/2024 09:08:20	2920	17324	12995
3/27/2024 16:48:32	3382	17176	12605
3/27/2024 10:07:18	3661	16126	12723
3/27/2024 08:49:30	3929	17060	12992
3/26/2024 10:28:06	4590	16054	14855
3/25/2024 10:10:30	4003	18464	13973
3/22/2024 09:00:45	2984	17875	12893

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
3/21/2024 08:44:31	3167	17829	13067
3/20/2024 09:03:42	3080	17089	12389
3/19/2024 13:23:15	3786	17505	12877
3/19/2024 09:31:32	3279	17943	12421
3/18/2024 10:47:35	4608	16508	13822
3/15/2024 09:19:25	2446	16491	10868
3/14/2024 09:13:05	2441	16585	10800
3/13/2024 09:22:30	2903	16825	11325
3/12/2024 09:10:39	2653	17105	11709
3/11/2024 11:07:32	4200	16181	13057
3/11/2024 09:31:05	4293	17257	11986
3/11/2024 09:27:33	4322	17396	12106
3/8/2024 08:29:13	4145	16244	11704
3/7/2024 17:46:09	4185	15148	11811
3/7/2024 13:19:13	4029	15848	11265
3/7/2024 09:28:32	3605	13491	9204
3/7/2024 09:11:32	2580	13526	10298
3/7/2024 09:01:08	2698	13846	10718
3/6/2024 10:19:40	3208	14488	10724
3/5/2024 10:15:16	273	1743	2387
3/5/2024 10:09:01	146	892	1334
3/4/2024 11:41:00	4063	15365	11233
3/4/2024 11:28:21	1954	9059	5433
3/1/2024 08:43:28	2996	15512	8966
2/29/2024 10:38:23	4306	15354	11334
2/29/2024 10:00:25	554	3889	4359
2/29/2024 09:54:15	506	3359	3784
2/28/2024 09:32:01	3061	18229	13084
2/27/2024 09:16:47	2827	17549	11855
2/26/2024 10:30:35	3971	16379	11179
2/26/2024 10:00:21	1827	10055	6679
2/23/2024 09:07:38	3382	16511	11230
2/22/2024 08:58:48	3065	15604	10264
2/21/2024 09:51:13	3455	16190	11543
2/20/2024 09:59:52	3253	15976	11176
2/19/2024 11:30:32	4894	17240	13782
2/19/2024 11:27:00	4856	17120	13743
2/19/2024 10:16:07	4289	15395	10107
2/16/2024 10:28:26	3613	15969	9007
2/15/2024 09:20:58	4185	16564	9371
2/14/2024 09:20:12	4712	16825	9695

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
2/13/2024 10:44:41	4401	16379	9098
2/13/2024 10:29:18	758	13401	11559
2/12/2024 11:24:46	2301	15124	11918
2/12/2024 11:09:08	53	2239	4028
2/12/2024 10:33:45	42	1954	3702
2/12/2024 10:19:52	438	2663	2740
2/12/2024 10:03:02	137	541	1027
2/9/2024 09:43:26	2475	17092	10562
2/8/2024 09:41:08	2739	17007	11011
2/7/2024 09:08:34	2949	17251	11332
2/6/2024 10:08:14	3266	17222	10352
2/5/2024 16:27:35	2590	11801	7811
2/2/2024 09:52:22	4247	15989	11850
2/1/2024 09:29:20	4221	15873	11923
1/31/2024 11:01:25	4619	16449	12370
1/31/2024 10:56:52	2140	7715	5751
1/30/2024 09:04:33	4439	15663	11799
1/29/2024 09:09:33	3916	13763	12278
1/26/2024 10:08:59	3557	15191	9410
1/25/2024 09:54:25	3735	15427	9753
1/24/2024 08:52:40	3752	15257	10201
1/23/2024 11:08:41	3473	15039	10359
1/22/2024 09:17:23	4075	16149	10348
1/22/2024 09:06:26	2984	12293	7869
1/19/2024 09:01:45	3434	14536	9100
1/18/2024 10:29:20	3342	14635	9148
1/17/2024 08:52:45	3752	15881	10390
1/16/2024 14:09:54	4332	14365	9878
1/16/2024 13:58:35	1849	8752	5553
1/16/2024 13:45:11	1759	8747	5733
1/15/2024 13:03:28	344	1843	2376
1/15/2024 10:46:25	310	1953	2595
1/15/2024 10:34:05	355	1945	2594
1/15/2024 10:25:28	354	1906	2502
1/15/2024 09:48:32	378	1867	2261
1/15/2024 09:32:45	371	1842	2272
1/11/2024 14:10:39	440	1388	1671
1/11/2024 14:00:32	442	1331	1629
1/11/2024 13:07:14	441	1073	1309
1/11/2024 12:18:32	442	1296	1595
1/11/2024 10:36:51	468	1469	1987

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/11/2024 10:28:26	430	1428	1696
1/11/2024 09:11:58	387	1869	2263
1/11/2024 09:02:27	313	1592	1975
1/11/2024 08:54:00	310	1559	1944
1/10/2024 09:10:40	3490	14986	10982
1/9/2024 12:58:05	4349	14607	8180
1/9/2024 12:49:35	715	10779	7642
1/9/2024 12:37:33	8	1202	6143
1/9/2024 12:22:55	8	1215	6181
1/9/2024 12:00:03	8	1341	6546
1/9/2024 11:54:42	9	1280	6372
1/9/2024 11:45:17	9	1382	6594
1/9/2024 11:40:53	10	1397	6617
1/9/2024 11:25:08	362	1545	1665
1/9/2024 11:20:04	363	1540	1650
1/8/2024 13:49:37	3408	10281	9523
1/8/2024 12:34:48	1155	5021	6450
1/8/2024 12:30:18	1191	5187	6341
1/5/2024 09:35:49	3668	12692	8070
1/4/2024 09:13:21	3867	12894	6927
1/4/2024 09:00:57	603	1935	1257
1/3/2024 08:46:17	3809	12778	9107
1/2/2024 11:16:48	3519	12397	9390
1/2/2024 10:38:17	3814	12293	8842
12/29/2023 10:12:49	4013	12649	8816
12/28/2023 08:59:35	3766	13387	9586
12/27/2023 12:20:02	3809	12937	8800
12/27/2023 11:34:32	40	9	2
12/27/2023 10:51:04	55	31	2
12/27/2023 10:41:08	72	37	8
12/27/2023 10:33:50	3879	13288	8945
12/27/2023 10:28:28	3772	13183	8580
12/22/2023 07:49:52	3943	11892	9924
12/21/2023 08:44:43	3526	13027	9943
12/20/2023 09:26:41	4003	13172	10074
12/19/2023 09:55:37	4333	13694	10285
12/18/2023 10:16:18	4138	13763	10818
12/18/2023 10:06:38	3415	13014	10962
12/18/2023 10:00:26	3894	14384	11204
12/15/2023 09:45:55	3734	14030	9513
12/14/2023 10:23:15	3524	14113	9600

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/13/2023 10:17:40	3829	13996	9570
12/12/2023 09:56:00	3555	14240	9677
12/11/2023 10:31:48	3701	14394	9382
12/8/2023 10:10:39	3664	14293	8929
12/7/2023 09:51:50	3426	13353	8809
12/6/2023 10:12:37	3698	14579	8824
12/5/2023 10:02:14	3349	13427	9922
12/4/2023 12:08:53	3427	12418	10340
12/4/2023 11:24:17	1768	7808	8292
12/4/2023 11:20:06	1802	8001	8316
12/4/2023 11:16:06	1832	8106	8250
12/4/2023 10:23:39	1770	7816	7735
12/4/2023 10:16:55	1601	7275	7827
12/4/2023 10:09:27	1944	8113	7456
12/1/2023 09:45:19	2113	9054	8466
11/30/2023 11:48:17	2317	9995	8851
11/30/2023 11:13:01	1727	8309	9089
11/30/2023 11:05:44	1721	8023	8748
11/30/2023 10:33:46	1172	5927	8124
11/29/2023 10:04:26	2359	11870	8365
11/29/2023 09:51:22	1483	5693	3444
11/28/2023 12:50:37	3146	12531	8324
11/28/2023 12:18:55	2789	8914	4789
11/28/2023 12:15:04	3346	10726	5995
11/28/2023 11:49:24	2609	8496	4878
11/28/2023 10:22:53	1529	5718	4738
11/28/2023 10:19:03	1663	6180	5204
11/28/2023 10:15:20	1784	6623	5657
11/28/2023 09:59:37	1436	6174	5639
11/27/2023 10:28:48	2148	9665	8835
11/27/2023 10:07:16	1451	7618	8440
11/27/2023 10:01:25	1454	7648	8543
11/27/2023 09:52:06	1636	8794	9323
11/22/2023 09:50:47	2317	9749	8520
11/21/2023 09:52:05	2348	10189	9398
11/20/2023 09:38:08	2536	10392	9162
11/17/2023 10:07:38	2699	10664	9285
11/16/2023 09:42:56	2615	11519	10404
11/15/2023 13:01:45	2120	9780	10146
11/15/2023 12:33:52	1814	8334	9391
11/15/2023 12:27:35	1837	8353	9462

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/15/2023 12:17:35	1829	8310	9392
11/15/2023 12:09:42	1631	7760	9062
11/15/2023 10:39:09	1634	7521	8758
11/14/2023 10:25:03	4165	15167	8009
11/13/2023 09:42:07	3445	15971	9795
11/10/2023 09:15:37	3300	14607	7635
11/9/2023 09:55:52	2651	15369	8099
11/8/2023 09:55:56	2862	15545	7990
11/7/2023 10:07:52	2359	13776	7205
11/7/2023 10:01:12	1759	11245	6289
11/7/2023 09:55:11	1931	12236	6442
11/6/2023 10:21:52	3645	16323	7638
11/3/2023 09:44:39	2391	13805	7745
11/2/2023 09:56:11	2999	15000	8628
11/1/2023 09:41:33	3299	14766	7935

Background

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/5/2024 07:45:15	1.350	1.450	8.100
12/4/2024 08:35:28	1.200	1.550	7.650
12/3/2024 09:38:46	1.300	1.300	6.550
12/3/2024 09:10:25	1.250	1.100	6.750
12/2/2024 09:48:14	1.300	1.150	6.650
11/27/2024 09:18:02	0.600	0.700	1.800
11/27/2024 08:40:33	0.650	0.750	1.300
11/26/2024 07:52:41	0.950	0.600	2.100
11/25/2024 10:52:38	0.900	0.550	2.350
11/25/2024 08:43:09	0.850	0.800	2.050
11/25/2024 08:31:48	1.000	0.650	2.100
11/22/2024 06:29:21	0.600	1.050	2.500
11/21/2024 10:07:26	0.750	1.000	2.700
11/21/2024 09:58:26	1.300	0.650	3.050
11/21/2024 09:53:21	0.800	0.750	3.100
11/20/2024 08:50:13	6.000	3.700	8.600

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/19/2024 09:07:39	1.550	1.400	6.450
11/18/2024 09:11:09	1.150	1.600	7.350
11/15/2024 09:02:37	1.200	1.150	7.050
11/14/2024 09:56:47	2.100	1.400	7.500
11/14/2024 09:44:41	1.750	0.850	5.250
11/14/2024 09:39:59	2.150	1.550	9.400
11/14/2024 09:21:41	2.250	1.500	6.150
11/14/2024 09:16:53	1.850	0.900	7.400
11/13/2024 10:17:19	1.650	1.000	4.650
11/12/2024 08:42:23	1.200	0.650	2.500
11/12/2024 08:34:20	1.150	0.650	3.300
11/11/2024 09:46:29	1.350	0.500	3.400
11/11/2024 09:31:26	1.150	0.800	3.850
11/11/2024 09:09:19	1.750	0.450	4.300
11/8/2024 09:40:41	0.950	0.650	3.650
11/7/2024 12:08:43	2.450	1.450	5.650
11/7/2024 12:03:35	1.900	1.200	5.500
11/7/2024 11:08:15	1.350	0.700	2.850
11/7/2024 10:32:04	1.350	0.450	2.700
11/7/2024 10:13:44	0.850	0.700	3.500
11/7/2024 09:49:05	0.900	0.650	2.650
11/6/2024 08:55:41	1.800	1.300	6.000
11/5/2024 09:02:15	1.950	1.250	6.400
11/4/2024 09:59:50	1.750	1.100	6.350
11/4/2024 09:42:34	3.000	1.750	8.800
11/4/2024 09:13:54	3.050	0.950	6.700
11/1/2024 08:59:46	1.600	1.100	5.200
10/31/2024 09:14:27	1.500	1.200	4.850
10/30/2024 16:33:14	2.550	1.200	7.450
10/30/2024 11:25:36	1.400	1.250	4.700
10/30/2024 10:54:46	1.250	1.300	6.450
10/30/2024 09:09:15	0.650	0.700	4.050
10/29/2024 11:26:39	0.800	0.900	3.200
10/29/2024 10:54:54	1.000	0.950	3.600
10/29/2024 09:36:05	1.650	0.900	4.150
10/29/2024 09:04:30	1.000	0.450	4.500
10/28/2024 12:26:28	1.200	0.950	5.100
10/28/2024 09:57:52	1.200	0.800	4.350
10/25/2024 13:22:08	0.500	0.500	2.800
10/25/2024 13:09:08	0.850	1.050	4.250
10/25/2024 10:35:56	0.850	0.650	3.350

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
10/25/2024 09:26:45	0.550	0.850	2.500
10/25/2024 09:03:40	1.000	0.750	3.450
10/24/2024 17:10:08	0.550	0.700	2.950
10/24/2024 11:19:48	1.300	0.900	4.950
10/24/2024 08:53:34	0.850	1.000	5.300
10/23/2024 08:59:04	1.200	0.600	4.650
10/22/2024 09:55:36	1.100	1.000	3.250
10/21/2024 09:31:04	0.750	0.700	2.900
10/18/2024 09:37:11	1.300	0.800	4.050
10/17/2024 09:00:58	1.000	0.700	3.100
10/16/2024 11:21:27	0.750	1.150	4.250
10/16/2024 09:02:59	0.800	0.850	4.800
10/15/2024 10:12:35	0.700	0.750	3.450
10/14/2024 08:46:09	1.150	0.750	5.200
10/11/2024 08:49:47	1.250	1.250	5.050
10/10/2024 08:52:01	1.150	1.050	4.250
10/9/2024 08:27:16	1.300	0.650	5.100
10/8/2024 10:52:55	1.650	0.900	6.250
10/8/2024 09:47:42	1.000	1.200	3.950
10/7/2024 10:47:10	1.000	0.850	3.900
10/7/2024 09:10:56	0.650	0.650	2.550
10/7/2024 08:55:15	0.900	0.350	3.750
10/4/2024 09:16:15	0.550	0.700	3.950
10/3/2024 09:27:44	1.150	0.800	3.300
10/3/2024 08:49:43	1.050	0.750	4.100
10/3/2024 08:29:02	0.700	0.900	3.950
10/2/2024 11:08:13	1.150	0.800	3.600
10/2/2024 08:39:41	1.150	1.100	4.550
10/1/2024 10:14:04	0.900	0.500	2.800
9/30/2024 08:49:31	1.300	1.000	4.000
9/27/2024 08:14:47	1.750	1.050	5.150
9/26/2024 08:09:12	0.800	0.550	4.500
9/25/2024 09:11:08	1.150	0.800	4.950
9/24/2024 09:35:48	0.850	0.700	4.550
9/23/2024 09:00:30	1.250	1.000	4.050
9/20/2024 09:05:28	0.700	0.750	3.000
9/19/2024 09:00:53	1.000	1.000	4.550
9/18/2024 11:34:33	1.000	0.800	3.700
9/18/2024 09:06:37	0.600	0.750	4.150
9/17/2024 12:16:40	0.900	0.750	3.400
9/17/2024 10:09:01	0.900	0.800	3.350

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
9/16/2024 09:06:13	1.250	1.050	4.500
9/13/2024 16:50:14	1.550	1.700	7.350
9/13/2024 08:54:29	1.600	0.900	5.400
9/12/2024 08:56:53	1.000	0.900	4.800
9/11/2024 09:06:29	1.200	0.800	5.450
9/10/2024 09:46:13	0.900	0.500	4.550
9/9/2024 08:47:13	0.700	0.900	3.150
9/9/2024 08:34:46	0.950	0.450	3.600
9/6/2024 08:58:38	0.700	0.650	2.600
9/5/2024 08:40:15	0.800	0.700	3.950
9/4/2024 08:38:45	1.250	0.600	3.950
9/3/2024 12:05:58	1.350	0.950	4.450
9/3/2024 11:05:58	1.250	1.450	6.900
9/3/2024 08:41:14	1.400	1.450	5.900
8/30/2024 08:41:51	1.100	0.700	4.200
8/29/2024 17:44:51	1.050	0.950	3.500
8/29/2024 10:01:21	1.100	0.500	4.000
8/28/2024 08:40:35	0.800	1.250	4.450
8/27/2024 08:32:46	1.450	1.000	5.600
8/26/2024 10:42:47	1.150	0.650	4.550
8/23/2024 09:05:16	1.400	1.400	3.650
8/22/2024 08:43:54	1.050	0.850	3.250
8/21/2024 08:04:13	1.200	1.050	4.450
8/20/2024 09:20:37	1.250	1.250	5.250
8/19/2024 10:25:21	1.000	0.500	4.550
8/19/2024 09:17:03	0.900	0.650	3.700
8/16/2024 08:56:38	1.050	1.050	3.450
8/15/2024 08:28:01	1.000	0.600	3.250
8/14/2024 08:24:41	1.150	0.450	4.000
8/13/2024 08:51:41	1.200	0.450	2.850
8/12/2024 09:10:43	0.500	0.500	2.350
8/12/2024 08:57:52	0.950	0.600	2.950
8/9/2024 11:39:50	1.350	0.700	4.500
8/9/2024 10:08:20	0.850	0.600	3.100
8/8/2024 08:40:39	1.200	0.500	5.750
8/7/2024 09:19:16	1.350	0.900	4.300
8/6/2024 11:12:44	1.450	0.800	3.500
8/6/2024 10:53:38	1.600	0.500	3.350
8/5/2024 10:40:17	0.600	0.750	3.150
8/5/2024 10:09:19	1.300	0.750	4.700
8/5/2024 09:55:23	0.800	0.700	5.750

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/2/2024 09:40:16	1.050	0.650	4.450
8/2/2024 08:37:48	1.300	0.700	4.600
8/1/2024 10:38:00	1.050	0.550	5.450
8/1/2024 09:06:45	0.900	0.850	3.750
7/31/2024 08:13:58	1.200	0.650	3.800
7/30/2024 08:50:51	1.100	0.650	2.400
7/29/2024 16:06:05	1.250	0.950	4.850
7/29/2024 12:07:28	1.500	0.750	4.100
7/29/2024 11:14:31	1.200	1.000	3.500
7/29/2024 10:15:21	1.250	0.800	3.900
7/26/2024 08:53:52	0.750	1.200	3.950
7/25/2024 09:09:23	0.750	0.300	2.900
7/24/2024 15:10:09	0.750	0.700	3.650
7/24/2024 08:46:25	1.100	0.650	4.200
7/23/2024 09:32:54	1.250	0.750	3.550
7/22/2024 10:18:30	1.050	0.600	4.200
7/19/2024 08:55:06	1.300	0.650	4.050
7/18/2024 09:06:31	0.700	0.600	2.950
7/17/2024 13:03:52	1.150	0.800	3.850
7/17/2024 08:53:29	1.700	0.550	5.400
7/16/2024 08:54:03	0.900	0.850	4.100
7/15/2024 10:39:29	1.050	0.750	4.650
7/15/2024 10:30:38	1.250	0.750	4.300
7/15/2024 10:13:57	1.250	0.650	4.400
7/15/2024 09:02:48	1.550	0.450	4.300
7/12/2024 08:34:22	1.200	0.850	4.100
7/11/2024 09:57:22	1.550	1.200	5.900
7/10/2024 08:53:17	1.050	0.850	2.900
7/9/2024 11:54:06	1.200	0.750	3.700
7/9/2024 11:32:31	1.000	0.450	3.700
7/9/2024 11:26:38	1.550	0.550	4.350
7/9/2024 10:39:16	1.200	1.050	4.700
7/9/2024 09:17:46	1.550	0.800	4.650
7/9/2024 08:57:06	1.250	0.700	3.100
7/8/2024 09:21:55	1.700	0.950	5.050
7/8/2024 09:16:31	1.050	0.750	4.500
7/5/2024 09:03:10	1.200	0.500	3.600
7/3/2024 13:05:52	1.150	1.000	4.000
7/3/2024 11:25:40	1.500	0.850	4.500
7/3/2024 09:13:37	1.000	0.550	4.300
7/3/2024 08:44:49	0.950	0.650	3.500

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
7/2/2024 10:26:17	0.850	0.650	3.600
7/2/2024 08:58:12	0.900	0.850	3.350
7/1/2024 14:16:19	1.450	0.500	5.050
7/1/2024 10:01:10	1.450	0.850	3.900
6/28/2024 08:25:22	1.100	1.350	4.300
6/27/2024 08:34:14	1.350	0.900	6.000
6/27/2024 08:11:22	0.850	0.700	4.400
6/26/2024 07:54:24	0.650	0.400	2.750
6/25/2024 09:02:17	0.900	0.650	4.200
6/24/2024 09:30:27	1.250	1.100	4.150
6/21/2024 08:55:34	1.150	0.700	6.200
6/21/2024 08:22:44	1.050	0.900	3.250
6/20/2024 09:00:43	1.300	0.700	2.750
6/19/2024 07:51:31	1.500	1.400	4.900
6/18/2024 07:52:20	1.850	1.000	4.300
6/17/2024 08:58:45	1.000	0.450	2.900
6/14/2024 08:44:27	1.200	0.450	4.150
6/13/2024 08:42:30	1.100	0.850	4.800
6/12/2024 09:03:47	1.200	0.400	3.350
6/11/2024 08:44:40	1.650	0.700	3.950
6/10/2024 09:31:51	1.550	0.750	4.350
6/10/2024 09:17:04	1.250	0.450	3.800
6/10/2024 09:10:07	1.400	0.600	3.500
6/7/2024 09:02:38	1.400	0.350	3.300
6/6/2024 15:20:20	1.150	0.400	2.650
6/6/2024 05:03:01	1.500	1.100	4.650
6/6/2024 04:59:28	1.300	0.900	3.750
6/5/2024 08:30:26	1.800	1.350	4.050
6/4/2024 08:52:51	0.650	0.500	3.850
6/4/2024 08:39:35	0.850	0.500	3.450
6/4/2024 08:33:37	0.950	0.800	4.400
6/3/2024 10:10:17	1.000	0.500	3.100
6/3/2024 09:51:43	2.050	0.850	4.950
6/3/2024 09:44:54	1.500	0.500	5.150
6/3/2024 09:30:49	1.100	0.350	3.050
5/31/2024 08:42:32	1.350	0.900	5.150
5/30/2024 09:08:46	1.000	0.550	4.300
5/29/2024 09:04:40	1.150	0.750	4.750
5/29/2024 08:48:40	0.700	0.550	2.700
5/29/2024 08:44:08	1.150	0.400	3.600
5/28/2024 09:34:37	1.000	0.450	3.150

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
5/24/2024 07:20:01	1.250	1.100	4.200
5/23/2024 10:25:13	0.900	0.900	5.100
5/22/2024 09:45:06	1.050	0.750	5.250
5/21/2024 09:06:58	1.400	1.100	5.050
5/21/2024 08:01:17	1.150	0.950	4.950
5/20/2024 17:22:27	0.900	0.750	3.800
5/20/2024 17:18:56	1.050	1.050	3.750
5/20/2024 09:20:56	0.450	0.650	3.250
5/17/2024 09:12:39	1.050	0.700	4.800
5/16/2024 08:56:23	0.900	0.750	3.850
5/15/2024 09:38:13	0.750	0.600	4.050
5/15/2024 09:21:01	0.900	0.250	3.400
5/14/2024 09:41:16	0.900	0.350	3.050
5/14/2024 09:04:40	0.600	0.350	2.100
5/13/2024 09:04:44	0.950	0.900	3.450
5/10/2024 08:57:17	0.900	0.550	5.000
5/9/2024 09:06:46	1.100	0.900	5.050
5/9/2024 08:50:21	1.150	0.700	4.800
5/9/2024 08:44:20	1.000	1.000	5.300
5/8/2024 09:39:10	1.300	0.600	3.200
5/7/2024 17:05:39	1.150	0.700	4.850
5/7/2024 16:48:43	1.050	0.800	3.600
5/7/2024 09:19:24	1.000	0.800	3.750
5/6/2024 09:15:59	0.750	0.750	4.350
5/6/2024 09:03:10	0.850	0.700	4.500
5/3/2024 09:11:06	1.150	0.500	3.350
5/2/2024 09:48:24	0.800	0.800	2.450
5/1/2024 09:22:54	1.300	0.700	5.450
4/30/2024 10:43:56	1.000	1.250	5.000
4/30/2024 08:17:01	1.150	0.950	4.100
4/29/2024 09:10:57	1.550	0.750	5.050
4/29/2024 08:57:45	1.550	0.850	5.850
4/26/2024 08:09:31	1.300	0.750	5.850
4/25/2024 09:37:51	1.250	1.000	4.100
4/24/2024 09:17:24	1.600	1.450	5.400
4/23/2024 22:46:11	1.250	1.150	5.750
4/23/2024 09:01:59	0.700	0.550	4.900
4/22/2024 10:16:34	1.000	0.650	4.100
4/19/2024 10:59:00	1.050	1.050	5.250
4/19/2024 10:07:48	2.150	1.700	8.800
4/19/2024 09:10:32	0.600	0.600	1.050

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
4/18/2024 09:24:23	0.850	0.800	2.900
4/17/2024 17:03:53	1.350	0.800	4.300
4/17/2024 16:22:27	1.150	1.000	4.600
4/17/2024 09:09:54	0.800	0.750	2.300
4/16/2024 09:06:44	1.150	1.300	4.500
4/15/2024 09:14:49	1.200	1.150	5.300
4/12/2024 08:28:21	1.050	0.850	4.250
4/11/2024 08:35:01	0.900	0.700	4.650
4/10/2024 09:48:58	0.550	1.000	3.500
4/9/2024 08:56:49	0.700	0.700	3.500
4/8/2024 09:25:48	0.950	0.800	4.150
4/5/2024 08:28:47	1.450	0.700	5.100
4/4/2024 11:00:01	1.700	0.650	4.750
4/4/2024 10:45:12	1.100	0.750	3.200
4/3/2024 08:29:42	0.950	0.900	5.550
4/2/2024 09:43:44	0.800	0.750	2.500
4/1/2024 09:27:15	1.200	1.300	3.650
3/29/2024 08:53:28	1.250	0.900	3.350
3/28/2024 09:08:20	0.800	0.850	3.950
3/27/2024 16:48:32	1.250	1.100	4.700
3/27/2024 10:07:18	1.650	0.750	3.600
3/27/2024 08:49:30	1.700	0.600	4.200
3/26/2024 10:28:06	1.450	0.550	4.000
3/25/2024 10:10:30	1.150	0.650	4.800
3/22/2024 09:00:45	0.750	0.750	4.000
3/21/2024 08:44:31	0.900	0.450	4.000
3/20/2024 09:03:42	1.350	0.650	2.950
3/19/2024 13:23:15	1.250	0.750	3.650
3/19/2024 09:31:32	0.950	0.500	3.450
3/18/2024 10:47:35	1.150	0.550	3.550
3/15/2024 09:19:25	1.700	1.000	5.050
3/14/2024 09:13:05	1.100	0.750	4.050
3/13/2024 09:22:30	1.700	0.850	3.850
3/12/2024 09:10:39	0.850	0.700	3.750
3/11/2024 11:07:32	1.650	0.850	4.300
3/11/2024 09:31:05	1.450	0.850	4.850
3/11/2024 09:27:33	1.950	0.500	4.700
3/8/2024 08:29:13	1.800	0.650	4.350
3/7/2024 17:46:09	1.250	1.050	4.550
3/7/2024 13:19:13	0.950	0.650	4.750
3/7/2024 09:28:32	2.150	1.000	4.900

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
3/7/2024 09:11:32	1.200	0.600	3.500
3/7/2024 09:01:08	1.250	0.700	4.350
3/6/2024 10:19:40	1.600	0.500	4.550
3/5/2024 10:15:16	45.151	868.764	0.250
3/5/2024 10:09:01	0.450	0.100	0.150
3/4/2024 11:41:00	1.650	1.000	4.400
3/4/2024 11:28:21	1.900	1.700	7.550
3/1/2024 08:43:28	1.850	1.100	5.400
2/29/2024 10:38:23	1.350	0.800	4.500
2/29/2024 10:00:25	0.850	0.450	1.150
2/29/2024 09:54:15	0.900	0.350	1.300
2/28/2024 09:32:01	1.250	0.700	3.350
2/27/2024 09:16:47	1.000	0.700	3.200
2/26/2024 10:30:35	1.750	0.700	5.350
2/26/2024 10:00:21	2.150	0.700	5.850
2/23/2024 09:07:38	1.300	0.550	3.600
2/22/2024 08:58:48	1.150	0.850	4.300
2/21/2024 09:51:13	1.000	0.650	3.750
2/20/2024 09:59:52	1.100	1.250	3.900
2/19/2024 11:30:32	1.150	0.400	3.700
2/19/2024 11:27:00	1.800	0.500	3.150
2/19/2024 10:16:07	1.100	0.750	4.100
2/16/2024 10:28:26	1.650	0.950	5.150
2/15/2024 09:20:58	1.850	0.850	5.350
2/14/2024 09:20:12	2.050	1.150	5.600
2/13/2024 10:44:41	1.700	1.150	5.800
2/13/2024 10:29:18	1.550	0.800	2.700
2/12/2024 11:24:46	1.300	0.400	3.900
2/12/2024 11:09:08	0.150	0.150	0.350
2/12/2024 10:33:45	0.450	2.300	0.100
2/12/2024 10:19:52	1.550	0.400	1.250
2/12/2024 10:03:02	0.150	0.050	0.200
2/9/2024 09:43:26	1.600	0.400	3.200
2/8/2024 09:41:08	1.600	0.800	3.200
2/7/2024 09:08:34	1.200	0.550	3.550
2/6/2024 10:08:14	1.650	1.550	4.100
2/5/2024 16:27:35	1.100	0.550	3.400
2/2/2024 09:52:22	1.250	0.600	5.350
2/1/2024 09:29:20	1.000	0.550	5.000
1/31/2024 11:01:25	1.300	0.650	4.650
1/31/2024 10:56:52	1.200	0.800	5.700

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/30/2024 09:04:33	0.900	0.650	5.400
1/29/2024 09:09:33	1.100	0.650	4.000
1/26/2024 10:08:59	1.450	1.050	5.000
1/25/2024 09:54:25	1.350	0.850	3.950
1/24/2024 08:52:40	1.300	0.900	3.900
1/23/2024 11:08:41	1.000	0.900	3.450
1/22/2024 09:17:23	1.300	0.800	5.500
1/22/2024 09:06:26	1.750	0.650	4.050
1/19/2024 09:01:45	1.750	1.000	4.000
1/18/2024 10:29:20	1.250	0.650	3.600
1/17/2024 08:52:45	1.550	0.650	4.250
1/16/2024 14:09:54	1.450	0.650	4.150
1/16/2024 13:58:35	1.450	0.800	3.350
1/16/2024 13:45:11	1.050	0.600	3.600
1/15/2024 13:03:28	0.750	0.200	0.700
1/15/2024 10:46:25	0.800	0.100	0.400
1/15/2024 10:34:05	0.800	0.100	0.750
1/15/2024 10:25:28	1.350	0.150	0.800
1/15/2024 09:48:32	0.950	0.250	0.450
1/15/2024 09:32:45	1.050	0.350	0.600
1/11/2024 14:10:39	0.900	0.150	0.200
1/11/2024 14:00:32	0.700	0.050	0.250
1/11/2024 13:07:14	0.600	0.150	0.250
1/11/2024 12:18:32	0.550	0.050	0.400
1/11/2024 10:36:51	0.450	0.100	0.250
1/11/2024 10:28:26	0.550	0.050	0.200
1/11/2024 09:11:58	0.300	0.150	0.500
1/11/2024 09:02:27	0.700	0.200	0.500
1/11/2024 08:54:00	0.450	0.100	0.600
1/10/2024 09:10:40	1.400	1.000	4.400
1/9/2024 12:58:05	2.000	0.800	4.900
1/9/2024 12:49:35	1.200	0.450	1.750
1/9/2024 12:37:33	0.000	0.050	0.200
1/9/2024 12:22:55	0.050	0.050	0.000
1/9/2024 12:00:03	0.000	0.050	0.100
1/9/2024 11:54:42	0.000	0.000	0.050
1/9/2024 11:45:17	0.100	0.000	0.050
1/9/2024 11:40:53	0.050	0.000	0.050
1/9/2024 11:25:08	0.450	0.050	0.200
1/9/2024 11:20:04	0.250	0.100	0.200
1/8/2024 13:49:37	0.950	0.550	2.650

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/8/2024 12:34:48	0.350	0.150	0.600
1/8/2024 12:30:18	0.250	0.300	0.450
1/5/2024 09:35:49	1.250	0.450	3.900
1/4/2024 09:13:21	1.100	0.750	4.350
1/4/2024 09:00:57	1.400	0.450	2.950
1/3/2024 08:46:17	1.250	0.600	3.200
1/2/2024 11:16:48	1.350	0.300	2.800
1/2/2024 10:38:17	1.250	0.800	2.900
12/29/2023 10:12:49	0.850	0.500	3.100
12/28/2023 08:59:35	1.000	0.800	3.550
12/27/2023 12:20:02	1.000	0.600	3.150
12/27/2023 11:34:32	0.800	0.650	3.450
12/27/2023 10:51:04	1.000	0.800	3.000
12/27/2023 10:41:08	1.200	0.400	3.400
12/27/2023 10:33:50	1.500	0.650	3.500
12/27/2023 10:28:28	0.950	0.600	3.300
12/22/2023 07:49:52	0.850	0.450	2.400
12/21/2023 08:44:43	1.050	0.450	2.150
12/20/2023 09:26:41	0.600	0.350	3.500
12/19/2023 09:55:37	1.150	0.550	2.600
12/18/2023 10:16:18	0.700	0.400	2.100
12/18/2023 10:06:38	0.900	0.150	2.400
12/18/2023 10:00:26	1.150	0.200	2.950
12/15/2023 09:45:55	1.000	0.800	3.050
12/14/2023 10:23:15	0.350	0.850	2.950
12/13/2023 10:17:40	0.650	0.250	2.800
12/12/2023 09:56:00	0.950	0.600	2.700
12/11/2023 10:31:48	1.350	0.200	2.550
12/8/2023 10:10:39	0.950	0.600	3.250
12/7/2023 09:51:50	0.850	0.300	2.550
12/6/2023 10:12:37	1.050	0.750	3.550
12/5/2023 10:02:14	0.600	0.450	1.750
12/4/2023 12:08:53	0.600	0.300	2.500
12/4/2023 11:24:17	0.350	0.200	1.300
12/4/2023 11:20:06	0.500	0.250	0.850
12/4/2023 11:16:06	0.150	0.500	1.150
12/4/2023 10:23:39	0.300	0.150	1.400
12/4/2023 10:16:55	0.300	0.350	0.950
12/4/2023 10:09:27	0.400	0.300	1.100
12/1/2023 09:45:19	0.550	0.500	1.500
11/30/2023 11:48:17	0.450	0.350	1.950

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/30/2023 11:13:01	0.450	0.100	1.200
11/30/2023 11:05:44	0.500	0.050	1.150
11/30/2023 10:33:46	0.150	0.200	0.700
11/29/2023 10:04:26	0.850	0.450	2.200
11/29/2023 09:51:22	0.750	0.300	2.400
11/28/2023 12:50:37	1.000	0.550	2.650
11/28/2023 12:18:55	0.800	0.700	3.500
11/28/2023 12:15:04	0.500	0.450	3.050
11/28/2023 11:49:24	0.900	0.450	3.200
11/28/2023 10:22:53	0.650	0.350	1.800
11/28/2023 10:19:03	0.550	0.400	1.950
11/28/2023 10:15:20	0.200	0.200	1.650
11/28/2023 09:59:37	0.250	0.200	1.500
11/27/2023 10:28:48	0.300	0.200	1.850
11/27/2023 10:07:16	0.300	0.100	1.500
11/27/2023 10:01:25	0.500	0.150	1.150
11/27/2023 09:52:06	0.500	0.150	1.250
11/22/2023 09:50:47	0.500	0.300	1.700
11/21/2023 09:52:05	0.650	0.250	1.200
11/20/2023 09:38:08	0.200	0.350	1.450
11/17/2023 10:07:38	0.250	0.100	2.450
11/16/2023 09:42:56	0.350	0.350	2.750
11/15/2023 13:01:45	0.550	0.100	1.700
11/15/2023 12:33:52	0.350	0.250	0.900
11/15/2023 12:27:35	0.150	0.250	1.300
11/15/2023 12:17:35	0.400	0.200	0.900
11/15/2023 12:09:42	0.450	0.150	1.350
11/15/2023 10:39:09	0.200	0.100	1.150
11/14/2023 10:25:03	1.600	0.750	4.550
11/13/2023 09:42:07	1.000	0.350	3.300
11/10/2023 09:15:37	0.950	0.650	3.000
11/9/2023 09:55:52	0.850	0.450	2.800
11/8/2023 09:55:56	1.100	0.450	3.550
11/7/2023 10:07:52	1.150	0.800	3.850
11/7/2023 10:01:12	0.750	0.350	2.550
11/7/2023 09:55:11	1.000	0.350	3.150
11/6/2023 10:21:52	1.450	0.800	3.700
11/3/2023 09:44:39	1.250	0.600	4.000
11/2/2023 09:56:11	1.350	0.500	3.200
11/1/2023 09:41:33	1.550	0.700	4.000

Tune Parameters

Created Date	Extract 1	Extract 2	Omega Bias
12/5/2024 07:45:15	0.0 V	-195.0 V	-100 V
12/4/2024 08:35:28	0.0 V	-195.0 V	-100 V
12/3/2024 09:38:46	0.0 V	-195.0 V	-100 V
12/3/2024 09:10:25	0.0 V	-195.0 V	-100 V
12/2/2024 09:48:14	0.0 V	-200.0 V	-110 V
11/27/2024 09:18:02	0.0 V	-190.0 V	-110 V
11/27/2024 08:40:33	0.0 V	-185.0 V	-110 V
11/26/2024 07:52:41	0.0 V	-185.0 V	-110 V
11/25/2024 10:52:38	0.0 V	-170.0 V	-110 V
11/25/2024 08:43:09	0.0 V	-190.0 V	-110 V
11/25/2024 08:31:48	0.0 V	-195.0 V	-110 V
11/22/2024 06:29:21	0.0 V	-180.0 V	-110 V
11/21/2024 10:07:26	0.0 V	-185.0 V	-110 V
11/21/2024 09:58:26	0.0 V	-170.0 V	-110 V
11/21/2024 09:53:21	0.0 V	-170.0 V	-110 V
11/20/2024 08:50:13	0.0 V	-180.0 V	-90 V
11/19/2024 09:07:39	0.0 V	-190.0 V	-90 V
11/18/2024 09:11:09	0.0 V	-195.0 V	-100 V
11/15/2024 09:02:37	0.0 V	-200.0 V	-110 V
11/14/2024 09:56:47	0.0 V	-185.0 V	-100 V
11/14/2024 09:44:41	0.0 V	-190.0 V	-100 V
11/14/2024 09:39:59	0.0 V	-190.0 V	-100 V
11/14/2024 09:21:41	0.0 V	-200.0 V	-100 V
11/14/2024 09:16:53	0.0 V	-200.0 V	-100 V
11/13/2024 10:17:19	0.0 V	-185.0 V	-100 V
11/12/2024 08:42:23	0.0 V	-195.0 V	-100 V
11/12/2024 08:34:20	0.0 V	-200.0 V	-120 V
11/11/2024 09:46:29	0.0 V	-185.0 V	-100 V
11/11/2024 09:31:26	0.0 V	-190.0 V	-100 V
11/11/2024 09:09:19	0.0 V	-190.0 V	-100 V
11/8/2024 09:40:41	0.0 V	-170.0 V	-100 V
11/7/2024 12:08:43	0.0 V	-155.0 V	-90 V
11/7/2024 12:03:35	0.0 V	-155.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
11/7/2024 11:08:15	0.0 V	-160.0 V	-90 V
11/7/2024 10:32:04	0.0 V	-140.0 V	-80 V
11/7/2024 10:13:44	0.0 V	-140.0 V	-70 V
11/7/2024 09:49:05	0.0 V	-175.0 V	-100 V
11/6/2024 08:55:41	0.0 V	-200.0 V	-100 V
11/5/2024 09:02:15	0.0 V	-200.0 V	-100 V
11/4/2024 09:59:50	0.0 V	-200.0 V	-100 V
11/4/2024 09:42:34	0.0 V	-200.0 V	-100 V
11/4/2024 09:13:54	0.0 V	-185.0 V	-100 V
11/1/2024 08:59:46	0.0 V	-180.0 V	-90 V
10/31/2024 09:14:27	0.0 V	-195.0 V	-90 V
10/30/2024 16:33:14	0.0 V	-200.0 V	-100 V
10/30/2024 11:25:36	0.0 V	-200.0 V	-110 V
10/30/2024 10:54:46	0.0 V	-195.0 V	-110 V
10/30/2024 09:09:15	0.0 V	-185.0 V	-110 V
10/29/2024 11:26:39	0.0 V	-200.0 V	-100 V
10/29/2024 10:54:54	0.0 V	-200.0 V	-110 V
10/29/2024 09:36:05	0.0 V	-195.0 V	-110 V
10/29/2024 09:04:30	0.0 V	-190.0 V	-110 V
10/28/2024 12:26:28	0.0 V	-195.0 V	-100 V
10/28/2024 09:57:52	0.0 V	-180.0 V	-90 V
10/25/2024 13:22:08	0.0 V	-185.0 V	-100 V
10/25/2024 13:09:08	0.0 V	-175.0 V	-100 V
10/25/2024 10:35:56	0.0 V	-165.0 V	-70 V
10/25/2024 09:26:45	0.0 V	-145.0 V	-70 V
10/25/2024 09:03:40	0.0 V	-140.0 V	-70 V
10/24/2024 17:10:08	0.0 V	-185.0 V	-90 V
10/24/2024 11:19:48	0.0 V	-200.0 V	-90 V
10/24/2024 08:53:34	0.0 V	-200.0 V	-90 V
10/23/2024 08:59:04	0.0 V	-195.0 V	-90 V
10/22/2024 09:55:36	0.0 V	-185.0 V	-90 V
10/21/2024 09:31:04	0.0 V	-180.0 V	-90 V
10/18/2024 09:37:11	0.0 V	-200.0 V	-90 V
10/17/2024 09:00:58	0.0 V	-195.0 V	-80 V
10/16/2024 11:21:27	0.0 V	-195.0 V	-90 V
10/16/2024 09:02:59	0.0 V	-200.0 V	-100 V
10/15/2024 10:12:35	0.0 V	-175.0 V	-80 V
10/14/2024 08:46:09	0.0 V	-185.0 V	-80 V
10/11/2024 08:49:47	0.0 V	-190.0 V	-80 V
10/10/2024 08:52:01	0.0 V	-190.0 V	-80 V
10/9/2024 08:27:16	0.0 V	-195.0 V	-80 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
10/8/2024 10:52:55	0.0 V	-195.0 V	-80 V
10/8/2024 09:47:42	0.0 V	-170.0 V	-80 V
10/7/2024 10:47:10	0.0 V	-185.0 V	-80 V
10/7/2024 09:10:56	0.0 V	-180.0 V	-80 V
10/7/2024 08:55:15	0.0 V	-180.0 V	-80 V
10/4/2024 09:16:15	0.0 V	-190.0 V	-90 V
10/3/2024 09:27:44	0.0 V	-195.0 V	-80 V
10/3/2024 08:49:43	0.0 V	-195.0 V	-90 V
10/3/2024 08:29:02	0.0 V	-180.0 V	-80 V
10/2/2024 11:08:13	0.0 V	-200.0 V	-80 V
10/2/2024 08:39:41	0.0 V	-195.0 V	-90 V
10/1/2024 10:14:04	0.0 V	-175.0 V	-80 V
9/30/2024 08:49:31	0.0 V	-175.0 V	-80 V
9/27/2024 08:14:47	0.0 V	-200.0 V	-100 V
9/26/2024 08:09:12	0.0 V	-195.0 V	-90 V
9/25/2024 09:11:08	0.0 V	-200.0 V	-80 V
9/24/2024 09:35:48	0.0 V	-175.0 V	-80 V
9/23/2024 09:00:30	0.0 V	-180.0 V	-80 V
9/20/2024 09:05:28	0.0 V	-195.0 V	-80 V
9/19/2024 09:00:53	0.0 V	-195.0 V	-90 V
9/18/2024 11:34:33	0.0 V	-190.0 V	-80 V
9/18/2024 09:06:37	0.0 V	-185.0 V	-80 V
9/17/2024 12:16:40	0.0 V	-180.0 V	-80 V
9/17/2024 10:09:01	0.0 V	-170.0 V	-80 V
9/16/2024 09:06:13	0.0 V	-190.0 V	-80 V
9/13/2024 16:50:14	0.0 V	-200.0 V	-90 V
9/13/2024 08:54:29	0.0 V	-195.0 V	-80 V
9/12/2024 08:56:53	0.0 V	-190.0 V	-80 V
9/11/2024 09:06:29	0.0 V	-195.0 V	-80 V
9/10/2024 09:46:13	0.0 V	-165.0 V	-80 V
9/9/2024 08:47:13	0.0 V	-160.0 V	-70 V
9/9/2024 08:34:46	0.0 V	-155.0 V	-70 V
9/6/2024 08:58:38	0.0 V	-160.0 V	-70 V
9/5/2024 08:40:15	0.0 V	-165.0 V	-70 V
9/4/2024 08:38:45	0.0 V	-165.0 V	-70 V
9/3/2024 12:05:58	0.0 V	-170.0 V	-70 V
9/3/2024 11:05:58	0.0 V	-165.0 V	-70 V
9/3/2024 08:41:14	0.0 V	-200.0 V	-90 V
8/30/2024 08:41:51	0.0 V	-195.0 V	-90 V
8/29/2024 17:44:51	0.0 V	-190.0 V	-80 V
8/29/2024 10:01:21	0.0 V	-165.0 V	-80 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
8/28/2024 08:40:35	0.0 V	-185.0 V	-80 V
8/27/2024 08:32:46	0.0 V	-200.0 V	-80 V
8/26/2024 10:42:47	0.0 V	-185.0 V	-100 V
8/23/2024 09:05:16	0.0 V	-140.0 V	-70 V
8/22/2024 08:43:54	0.0 V	-160.0 V	-70 V
8/21/2024 08:04:13	0.0 V	-200.0 V	-80 V
8/20/2024 09:20:37	0.0 V	-190.0 V	-100 V
8/19/2024 10:25:21	0.0 V	-185.0 V	-80 V
8/19/2024 09:17:03	0.0 V	-165.0 V	-80 V
8/16/2024 08:56:38	0.0 V	-180.0 V	-80 V
8/15/2024 08:28:01	0.0 V	-165.0 V	-80 V
8/14/2024 08:24:41	0.0 V	-175.0 V	-80 V
8/13/2024 08:51:41	0.0 V	-185.0 V	-80 V
8/12/2024 09:10:43	0.0 V	-160.0 V	-80 V
8/12/2024 08:57:52	0.0 V	-180.0 V	-80 V
8/9/2024 11:39:50	0.0 V	-195.0 V	-90 V
8/9/2024 10:08:20	0.0 V	-195.0 V	-90 V
8/8/2024 08:40:39	0.0 V	-195.0 V	-90 V
8/7/2024 09:19:16	0.0 V	-195.0 V	-90 V
8/6/2024 11:12:44	0.0 V	-200.0 V	-80 V
8/6/2024 10:53:38	0.0 V	-200.0 V	-80 V
8/5/2024 10:40:17	0.0 V	-200.0 V	-80 V
8/5/2024 10:09:19	0.0 V	-200.0 V	-90 V
8/5/2024 09:55:23	0.0 V	-195.0 V	-90 V
8/2/2024 09:40:16	0.0 V	-190.0 V	-90 V
8/2/2024 08:37:48	0.0 V	-190.0 V	-90 V
8/1/2024 10:38:00	0.0 V	-180.0 V	-90 V
8/1/2024 09:06:45	0.0 V	-175.0 V	-90 V
7/31/2024 08:13:58	0.0 V	-185.0 V	-90 V
7/30/2024 08:50:51	0.0 V	-180.0 V	-90 V
7/29/2024 16:06:05	0.0 V	-190.0 V	-90 V
7/29/2024 12:07:28	0.0 V	-195.0 V	-90 V
7/29/2024 11:14:31	0.0 V	-195.0 V	-100 V
7/29/2024 10:15:21	0.0 V	-180.0 V	-90 V
7/26/2024 08:53:52	0.0 V	-190.0 V	-90 V
7/25/2024 09:09:23	0.0 V	-165.0 V	-90 V
7/24/2024 15:10:09	0.0 V	-185.0 V	-90 V
7/24/2024 08:46:25	0.0 V	-180.0 V	-90 V
7/23/2024 09:32:54	0.0 V	-180.0 V	-90 V
7/22/2024 10:18:30	0.0 V	-185.0 V	-90 V
7/19/2024 08:55:06	0.0 V	-190.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
7/18/2024 09:06:31	0.0 V	-175.0 V	-90 V
7/17/2024 13:03:52	0.0 V	-185.0 V	-90 V
7/17/2024 08:53:29	0.0 V	-185.0 V	-90 V
7/16/2024 08:54:03	0.0 V	-190.0 V	-90 V
7/15/2024 10:39:29	0.0 V	-195.0 V	-90 V
7/15/2024 10:30:38	0.0 V	-180.0 V	-90 V
7/15/2024 10:13:57	0.0 V	-180.0 V	-90 V
7/15/2024 09:02:48	0.0 V	-185.0 V	-90 V
7/12/2024 08:34:22	0.0 V	-175.0 V	-90 V
7/11/2024 09:57:22	0.0 V	-180.0 V	-80 V
7/10/2024 08:53:17	0.0 V	-150.0 V	-70 V
7/9/2024 11:54:06	0.0 V	-155.0 V	-70 V
7/9/2024 11:32:31	0.0 V	-155.0 V	-70 V
7/9/2024 11:26:38	0.0 V	-155.0 V	-70 V
7/9/2024 10:39:16	0.0 V	-155.0 V	-70 V
7/9/2024 09:17:46	0.0 V	-155.0 V	-70 V
7/9/2024 08:57:06	0.0 V	-140.0 V	-70 V
7/8/2024 09:21:55	0.0 V	-165.0 V	-80 V
7/8/2024 09:16:31	0.0 V	-160.0 V	-80 V
7/5/2024 09:03:10	0.0 V	-200.0 V	-90 V
7/3/2024 13:05:52	0.0 V	-195.0 V	-100 V
7/3/2024 11:25:40	0.0 V	-195.0 V	-90 V
7/3/2024 09:13:37	0.0 V	-195.0 V	-90 V
7/3/2024 08:44:49	0.0 V	-170.0 V	-90 V
7/2/2024 10:26:17	0.0 V	-170.0 V	-90 V
7/2/2024 08:58:12	0.0 V	-170.0 V	-90 V
7/1/2024 14:16:19	0.0 V	-190.0 V	-90 V
7/1/2024 10:01:10	0.0 V	-195.0 V	-90 V
6/28/2024 08:25:22	0.0 V	-195.0 V	-90 V
6/27/2024 08:34:14	0.0 V	-195.0 V	-90 V
6/27/2024 08:11:22	0.0 V	-175.0 V	-90 V
6/26/2024 07:54:24	0.0 V	-175.0 V	-90 V
6/25/2024 09:02:17	0.0 V	-190.0 V	-90 V
6/24/2024 09:30:27	0.0 V	-190.0 V	-90 V
6/21/2024 08:55:34	0.0 V	-200.0 V	-90 V
6/21/2024 08:22:44	0.0 V	-170.0 V	-90 V
6/20/2024 09:00:43	0.0 V	-170.0 V	-90 V
6/19/2024 07:51:31	0.0 V	-175.0 V	-90 V
6/18/2024 07:52:20	0.0 V	-175.0 V	-90 V
6/17/2024 08:58:45	0.0 V	-175.0 V	-90 V
6/14/2024 08:44:27	0.0 V	-195.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
6/13/2024 08:42:30	0.0 V	-200.0 V	-100 V
6/12/2024 09:03:47	0.0 V	-200.0 V	-100 V
6/11/2024 08:44:40	0.0 V	-185.0 V	-100 V
6/10/2024 09:31:51	0.0 V	-170.0 V	-90 V
6/10/2024 09:17:04	0.0 V	-165.0 V	-90 V
6/10/2024 09:10:07	0.0 V	-165.0 V	-90 V
6/7/2024 09:02:38	0.0 V	-165.0 V	-90 V
6/6/2024 15:20:20	0.0 V	-165.0 V	-90 V
6/6/2024 05:03:01	0.0 V	-190.0 V	-90 V
6/6/2024 04:59:28	0.0 V	-190.0 V	-90 V
6/5/2024 08:30:26	0.0 V	-190.0 V	-90 V
6/4/2024 08:52:51	0.0 V	-200.0 V	-90 V
6/4/2024 08:39:35	0.0 V	-200.0 V	-100 V
6/4/2024 08:33:37	0.0 V	-200.0 V	-100 V
6/3/2024 10:10:17	0.0 V	-200.0 V	-100 V
6/3/2024 09:51:43	0.0 V	-175.0 V	-100 V
6/3/2024 09:44:54	0.0 V	-175.0 V	-100 V
6/3/2024 09:30:49	0.0 V	-175.0 V	-100 V
5/31/2024 08:42:32	0.0 V	-200.0 V	-100 V
5/30/2024 09:08:46	0.0 V	-200.0 V	-100 V
5/29/2024 09:04:40	0.0 V	-200.0 V	-100 V
5/29/2024 08:48:40	0.0 V	-170.0 V	-80 V
5/29/2024 08:44:08	0.0 V	-170.0 V	-80 V
5/28/2024 09:34:37	0.0 V	-170.0 V	-80 V
5/24/2024 07:20:01	0.0 V	-200.0 V	-90 V
5/23/2024 10:25:13	0.0 V	-200.0 V	-90 V
5/22/2024 09:45:06	0.0 V	-200.0 V	-90 V
5/21/2024 09:06:58	0.0 V	-200.0 V	-90 V
5/21/2024 08:01:17	0.0 V	-200.0 V	-100 V
5/20/2024 17:22:27	0.0 V	-200.0 V	-100 V
5/20/2024 17:18:56	0.0 V	-200.0 V	-100 V
5/20/2024 09:20:56	0.0 V	-200.0 V	-100 V
5/17/2024 09:12:39	0.0 V	-200.0 V	-100 V
5/16/2024 08:56:23	0.0 V	-200.0 V	-100 V
5/15/2024 09:38:13	0.0 V	-200.0 V	-100 V
5/15/2024 09:21:01	0.0 V	-190.0 V	-90 V
5/14/2024 09:41:16	0.0 V	-190.0 V	-90 V
5/14/2024 09:04:40	0.0 V	-190.0 V	-90 V
5/13/2024 09:04:44	0.0 V	-190.0 V	-90 V
5/10/2024 08:57:17	0.0 V	-190.0 V	-90 V
5/9/2024 09:06:46	0.0 V	-190.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
5/9/2024 08:50:21	0.0 V	-190.0 V	-90 V
5/9/2024 08:44:20	0.0 V	-190.0 V	-90 V
5/8/2024 09:39:10	0.0 V	-190.0 V	-90 V
5/7/2024 17:05:39	0.0 V	-195.0 V	-100 V
5/7/2024 16:48:43	0.0 V	-195.0 V	-100 V
5/7/2024 09:19:24	0.0 V	-195.0 V	-100 V
5/6/2024 09:15:59	0.0 V	-195.0 V	-100 V
5/6/2024 09:03:10	0.0 V	-195.0 V	-100 V
5/3/2024 09:11:06	0.0 V	-195.0 V	-100 V
5/2/2024 09:48:24	0.0 V	-190.0 V	-100 V
5/1/2024 09:22:54	0.0 V	-185.0 V	-100 V
4/30/2024 10:43:56	0.0 V	-185.0 V	-100 V
4/30/2024 08:17:01	0.0 V	-185.0 V	-100 V
4/29/2024 09:10:57	0.0 V	-185.0 V	-100 V
4/29/2024 08:57:45	0.0 V	-185.0 V	-100 V
4/26/2024 08:09:31	0.0 V	-185.0 V	-100 V
4/25/2024 09:37:51	0.0 V	-185.0 V	-100 V
4/24/2024 09:17:24	0.0 V	-195.0 V	-100 V
4/23/2024 22:46:11	0.0 V	-195.0 V	-100 V
4/23/2024 09:01:59	0.0 V	-195.0 V	-100 V
4/22/2024 10:16:34	0.0 V	-195.0 V	-100 V
4/19/2024 10:59:00	0.0 V	-200.0 V	-100 V
4/19/2024 10:07:48	0.0 V	-200.0 V	-110 V
4/19/2024 09:10:32	0.0 V	-180.0 V	-100 V
4/18/2024 09:24:23	0.0 V	-180.0 V	-100 V
4/17/2024 17:03:53	0.0 V	-180.0 V	-100 V
4/17/2024 16:22:27	0.0 V	-180.0 V	-100 V
4/17/2024 09:09:54	0.0 V	-180.0 V	-100 V
4/16/2024 09:06:44	0.0 V	-200.0 V	-100 V
4/15/2024 09:14:49	0.0 V	-200.0 V	-100 V
4/12/2024 08:28:21	0.0 V	-200.0 V	-100 V
4/11/2024 08:35:01	0.0 V	-200.0 V	-100 V
4/10/2024 09:48:58	0.0 V	-195.0 V	-100 V
4/9/2024 08:56:49	0.0 V	-195.0 V	-100 V
4/8/2024 09:25:48	0.0 V	-195.0 V	-100 V
4/5/2024 08:28:47	0.0 V	-195.0 V	-100 V
4/4/2024 11:00:01	0.0 V	-190.0 V	-90 V
4/4/2024 10:45:12	0.0 V	-200.0 V	-90 V
4/3/2024 08:29:42	0.0 V	-200.0 V	-90 V
4/2/2024 09:43:44	0.0 V	-195.0 V	-90 V
4/1/2024 09:27:15	0.0 V	-195.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
3/29/2024 08:53:28	0.0 V	-195.0 V	-90 V
3/28/2024 09:08:20	0.0 V	-195.0 V	-90 V
3/27/2024 16:48:32	0.0 V	-195.0 V	-90 V
3/27/2024 10:07:18	0.0 V	-195.0 V	-90 V
3/27/2024 08:49:30	0.0 V	-195.0 V	-90 V
3/26/2024 10:28:06	0.0 V	-195.0 V	-90 V
3/25/2024 10:10:30	0.0 V	-200.0 V	-100 V
3/22/2024 09:00:45	0.0 V	-190.0 V	-100 V
3/21/2024 08:44:31	0.0 V	-190.0 V	-100 V
3/20/2024 09:03:42	0.0 V	-190.0 V	-100 V
3/19/2024 13:23:15	0.0 V	-190.0 V	-100 V
3/19/2024 09:31:32	0.0 V	-190.0 V	-100 V
3/18/2024 10:47:35	0.0 V	-190.0 V	-100 V
3/15/2024 09:19:25	0.0 V	-200.0 V	-90 V
3/14/2024 09:13:05	0.0 V	-200.0 V	-90 V
3/13/2024 09:22:30	0.0 V	-200.0 V	-90 V
3/12/2024 09:10:39	0.0 V	-200.0 V	-90 V
3/11/2024 11:07:32	0.0 V	-200.0 V	-90 V
3/11/2024 09:31:05	0.0 V	-195.0 V	-100 V
3/11/2024 09:27:33	0.0 V	-195.0 V	-100 V
3/8/2024 08:29:13	0.0 V	-200.0 V	-100 V
3/7/2024 17:46:09	0.0 V	-200.0 V	-100 V
3/7/2024 13:19:13	0.0 V	-200.0 V	-100 V
3/7/2024 09:28:32	0.0 V	-200.0 V	-100 V
3/7/2024 09:11:32	0.0 V	-200.0 V	-100 V
3/7/2024 09:01:08	0.0 V	-200.0 V	-100 V
3/6/2024 10:19:40	0.0 V	-200.0 V	-100 V
3/5/2024 10:15:16	0.0 V	-200.0 V	-100 V
3/5/2024 10:09:01	0.0 V	-200.0 V	-100 V
3/4/2024 11:41:00	0.0 V	-200.0 V	-100 V
3/4/2024 11:28:21	0.0 V	-200.0 V	-100 V
3/1/2024 08:43:28	0.0 V	-200.0 V	-120 V
2/29/2024 10:38:23	0.0 V	-200.0 V	-120 V
2/29/2024 10:00:25	0.0 V	-160.0 V	-110 V
2/29/2024 09:54:15	0.0 V	-160.0 V	-110 V
2/28/2024 09:32:01	0.0 V	-200.0 V	-100 V
2/27/2024 09:16:47	0.0 V	-200.0 V	-100 V
2/26/2024 10:30:35	0.0 V	-200.0 V	-100 V
2/26/2024 10:00:21	0.0 V	-200.0 V	-110 V
2/23/2024 09:07:38	0.0 V	-200.0 V	-110 V
2/22/2024 08:58:48	0.0 V	-200.0 V	-110 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
2/21/2024 09:51:13	0.0 V	-200.0 V	-110 V
2/20/2024 09:59:52	0.0 V	-200.0 V	-110 V
2/19/2024 11:30:32	0.0 V	-200.0 V	-110 V
2/19/2024 11:27:00	0.0 V	-200.0 V	-110 V
2/19/2024 10:16:07	0.0 V	-200.0 V	-120 V
2/16/2024 10:28:26	0.0 V	-200.0 V	-120 V
2/15/2024 09:20:58	0.0 V	-200.0 V	-120 V
2/14/2024 09:20:12	0.0 V	-200.0 V	-120 V
2/13/2024 10:44:41	0.0 V	-200.0 V	-120 V
2/13/2024 10:29:18	0.0 V	-200.0 V	-120 V
2/12/2024 11:24:46	0.0 V	-200.0 V	-120 V
2/12/2024 11:09:08	0.0 V	-175.0 V	-120 V
2/12/2024 10:33:45	0.0 V	-175.0 V	-120 V
2/12/2024 10:19:52	0.0 V	-175.0 V	-120 V
2/12/2024 10:03:02	0.0 V	-200.0 V	-100 V
2/9/2024 09:43:26	0.0 V	-200.0 V	-100 V
2/8/2024 09:41:08	0.0 V	-200.0 V	-100 V
2/7/2024 09:08:34	0.0 V	-200.0 V	-100 V
2/6/2024 10:08:14	0.0 V	-200.0 V	-100 V
2/5/2024 16:27:35	0.0 V	-200.0 V	-120 V
2/2/2024 09:52:22	0.0 V	-200.0 V	-90 V
2/1/2024 09:29:20	0.0 V	-200.0 V	-90 V
1/31/2024 11:01:25	0.0 V	-200.0 V	-90 V
1/31/2024 10:56:52	0.0 V	-200.0 V	-90 V
1/30/2024 09:04:33	0.0 V	-200.0 V	-90 V
1/29/2024 09:09:33	0.0 V	-200.0 V	-90 V
1/26/2024 10:08:59	0.0 V	-200.0 V	-90 V
1/25/2024 09:54:25	0.0 V	-200.0 V	-90 V
1/24/2024 08:52:40	0.0 V	-200.0 V	-90 V
1/23/2024 11:08:41	0.0 V	-200.0 V	-90 V
1/22/2024 09:17:23	0.0 V	-200.0 V	-90 V
1/22/2024 09:06:26	0.0 V	-200.0 V	-100 V
1/19/2024 09:01:45	0.0 V	-200.0 V	-100 V
1/18/2024 10:29:20	0.0 V	-200.0 V	-100 V
1/17/2024 08:52:45	0.0 V	-200.0 V	-100 V
1/16/2024 14:09:54	0.0 V	-200.0 V	-100 V
1/16/2024 13:58:35	0.0 V	-200.0 V	-100 V
1/16/2024 13:45:11	0.0 V	-200.0 V	-100 V
1/15/2024 13:03:28	0.0 V	-200.0 V	-120 V
1/15/2024 10:46:25	0.0 V	-200.0 V	-120 V
1/15/2024 10:34:05	0.0 V	-200.0 V	-120 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
1/15/2024 10:25:28	0.0 V	-200.0 V	-120 V
1/15/2024 09:48:32	0.0 V	-200.0 V	-120 V
1/15/2024 09:32:45	0.0 V	-200.0 V	-120 V
1/11/2024 14:10:39	0.0 V	-200.0 V	-120 V
1/11/2024 14:00:32	0.0 V	-200.0 V	-120 V
1/11/2024 13:07:14	0.0 V	-200.0 V	-120 V
1/11/2024 12:18:32	0.0 V	-200.0 V	-120 V
1/11/2024 10:36:51	0.0 V	-200.0 V	-120 V
1/11/2024 10:28:26	0.0 V	-185.0 V	-110 V
1/11/2024 09:11:58	0.0 V	-155.0 V	-100 V
1/11/2024 09:02:27	0.0 V	-150.0 V	-80 V
1/11/2024 08:54:00	0.0 V	-150.0 V	-80 V
1/10/2024 09:10:40	0.0 V	-200.0 V	-90 V
1/9/2024 12:58:05	0.0 V	-200.0 V	-120 V
1/9/2024 12:49:35	0.0 V	-200.0 V	-120 V
1/9/2024 12:37:33	0.0 V	-165.0 V	-100 V
1/9/2024 12:22:55	0.0 V	-165.0 V	-100 V
1/9/2024 12:00:03	0.0 V	-165.0 V	-100 V
1/9/2024 11:54:42	0.0 V	-165.0 V	-100 V
1/9/2024 11:45:17	0.0 V	-165.0 V	-100 V
1/9/2024 11:40:53	0.0 V	-165.0 V	-100 V
1/9/2024 11:25:08	0.0 V	-165.0 V	-100 V
1/9/2024 11:20:04	0.0 V	-165.0 V	-100 V
1/8/2024 13:49:37	0.0 V	-200.0 V	-100 V
1/8/2024 12:34:48	0.0 V	-140.0 V	-80 V
1/8/2024 12:30:18	0.0 V	-140.0 V	-80 V
1/5/2024 09:35:49	0.0 V	-180.0 V	-80 V
1/4/2024 09:13:21	0.0 V	-170.0 V	-80 V
1/4/2024 09:00:57	0.0 V	-160.0 V	-80 V
1/3/2024 08:46:17	0.0 V	-200.0 V	-100 V
1/2/2024 11:16:48	0.0 V	-200.0 V	-90 V
1/2/2024 10:38:17	0.0 V	-200.0 V	-100 V
12/29/2023 10:12:49	0.0 V	-200.0 V	-100 V
12/28/2023 08:59:35	0.0 V	-200.0 V	-90 V
12/27/2023 12:20:02	0.0 V	-200.0 V	-90 V
12/27/2023 11:34:32	0.0 V	-200.0 V	-90 V
12/27/2023 10:51:04	0.0 V	-200.0 V	-90 V
12/27/2023 10:41:08	0.0 V	-200.0 V	-90 V
12/27/2023 10:33:50	0.0 V	-200.0 V	-90 V
12/27/2023 10:28:28	0.0 V	-200.0 V	-90 V
12/22/2023 07:49:52	0.0 V	-195.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
12/21/2023 08:44:43	0.0 V	-200.0 V	-90 V
12/20/2023 09:26:41	0.0 V	-200.0 V	-100 V
12/19/2023 09:55:37	0.0 V	-200.0 V	-100 V
12/18/2023 10:16:18	0.0 V	-200.0 V	-100 V
12/18/2023 10:06:38	0.0 V	-185.0 V	-90 V
12/18/2023 10:00:26	0.0 V	-185.0 V	-90 V
12/15/2023 09:45:55	0.0 V	-200.0 V	-90 V
12/14/2023 10:23:15	0.0 V	-200.0 V	-90 V
12/13/2023 10:17:40	0.0 V	-200.0 V	-90 V
12/12/2023 09:56:00	0.0 V	-200.0 V	-90 V
12/11/2023 10:31:48	0.0 V	-200.0 V	-90 V
12/8/2023 10:10:39	0.0 V	-200.0 V	-100 V
12/7/2023 09:51:50	0.0 V	-190.0 V	-80 V
12/6/2023 10:12:37	0.0 V	-200.0 V	-100 V
12/5/2023 10:02:14	0.0 V	-200.0 V	-80 V
12/4/2023 12:08:53	0.0 V	-180.0 V	-90 V
12/4/2023 11:24:17	0.0 V	-145.0 V	-70 V
12/4/2023 11:20:06	0.0 V	-145.0 V	-70 V
12/4/2023 11:16:06	0.0 V	-145.0 V	-70 V
12/4/2023 10:23:39	0.0 V	-145.0 V	-70 V
12/4/2023 10:16:55	0.0 V	-170.0 V	-90 V
12/4/2023 10:09:27	0.0 V	-145.0 V	-70 V
12/1/2023 09:45:19	0.0 V	-155.0 V	-80 V
11/30/2023 11:48:17	0.0 V	-155.0 V	-80 V
11/30/2023 11:13:01	0.0 V	-150.0 V	-80 V
11/30/2023 11:05:44	0.0 V	-160.0 V	-90 V
11/30/2023 10:33:46	0.0 V	-170.0 V	-90 V
11/29/2023 10:04:26	0.0 V	-195.0 V	-100 V
11/29/2023 09:51:22	0.0 V	-190.0 V	-80 V
11/28/2023 12:50:37	0.0 V	-200.0 V	-80 V
11/28/2023 12:18:55	0.0 V	-175.0 V	-80 V
11/28/2023 12:15:04	0.0 V	-175.0 V	-80 V
11/28/2023 11:49:24	0.0 V	-170.0 V	-80 V
11/28/2023 10:22:53	0.0 V	-165.0 V	-80 V
11/28/2023 10:19:03	0.0 V	-165.0 V	-80 V
11/28/2023 10:15:20	0.0 V	-165.0 V	-80 V
11/28/2023 09:59:37	0.0 V	-170.0 V	-70 V
11/27/2023 10:28:48	0.0 V	-165.0 V	-80 V
11/27/2023 10:07:16	0.0 V	-185.0 V	-100 V
11/27/2023 10:01:25	0.0 V	-185.0 V	-100 V
11/27/2023 09:52:06	0.0 V	-185.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
11/22/2023 09:50:47	0.0 V	-155.0 V	-80 V
11/21/2023 09:52:05	0.0 V	-155.0 V	-80 V
11/20/2023 09:38:08	0.0 V	-150.0 V	-80 V
11/17/2023 10:07:38	0.0 V	-175.0 V	-90 V
11/16/2023 09:42:56	0.0 V	-180.0 V	-90 V
11/15/2023 13:01:45	0.0 V	-170.0 V	-90 V
11/15/2023 12:33:52	0.0 V	-175.0 V	-90 V
11/15/2023 12:27:35	0.0 V	-175.0 V	-90 V
11/15/2023 12:17:35	0.0 V	-175.0 V	-90 V
11/15/2023 12:09:42	0.0 V	-170.0 V	-90 V
11/15/2023 10:39:09	0.0 V	-175.0 V	-90 V
11/14/2023 10:25:03	0.0 V	-200.0 V	-90 V
11/13/2023 09:42:07	0.0 V	-200.0 V	-90 V
11/10/2023 09:15:37	0.0 V	-200.0 V	-90 V
11/9/2023 09:55:52	0.0 V	-200.0 V	-90 V
11/8/2023 09:55:56	0.0 V	-200.0 V	-100 V
11/7/2023 10:07:52	0.0 V	-200.0 V	-120 V
11/7/2023 10:01:12	0.0 V	-195.0 V	-90 V
11/7/2023 09:55:11	0.0 V	-195.0 V	-90 V
11/6/2023 10:21:52	0.0 V	-200.0 V	-100 V
11/3/2023 09:44:39	0.0 V	-200.0 V	-120 V
11/2/2023 09:56:11	0.0 V	-200.0 V	-90 V
11/1/2023 09:41:33	0.0 V	-195.0 V	-90 V

US EPA Tune Check Report

Operator Name	ICPMS
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\241206ME 2.b
Acq. Date-Time	12/6/2024 09:50:51
Report Comment	---
Instrument Name	G8422A SG22151236

[No Gas]

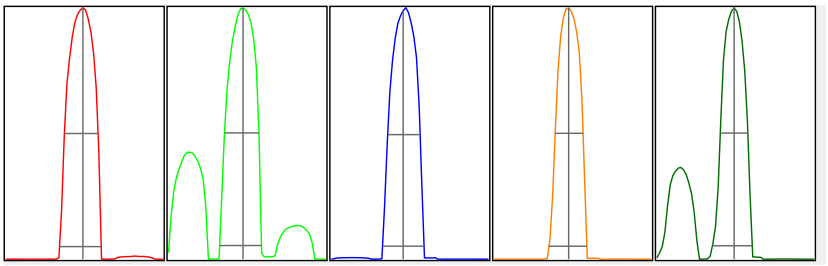
Sensitivity

Mass	Conc. [ug/L]	Count	CPS	Resp (Required) [cps/(ug/L)]	Resp (Flag)	RSD%	RSD% (Required)
9	10.00	25541	255414.77			1.634	5.000
24	10.00	90219	902194.06			1.574	5.000
59	10.00	198053	1980532.47			1.878	5.000
115	10.00	352811	3528109.36			2.205	5.000
208	10.00	185112	1851118.32			2.845	5.000

Mass	RSD% (Flag)
9	
24	
59	
115	
208	

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	25534.19	9.00	8.90 - 9.10	
24	92168.54	23.95	23.90 - 24.10	
59	200897.09	58.90	58.90 - 59.10	
115	358299.21	114.95	114.90 - 115.10	
208	187599.36	208.00	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.63	0.783	0.900	
24	0.65	0.786	0.900	
59	0.61	0.780	0.900	
115	0.52	0.712	0.900	

US EPA Tune Check Report

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
208	0.52	0.748	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	37.4
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.09 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	7.1 V	Deflect	13.6 V
Extract 2	-155.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-70 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	125	Axis Gain	0.9992	QP Bias	-3.0 V
Mass Offset	125	Axis Offset	0.04		

Hardware Settings

Torch

Torch H	1.0 mm	Torch V	-0.4 mm

EM

Discriminator	3.1 mV	Analog HV	2167 V	Pulse HV	1681 V

[He]

Sensitivity

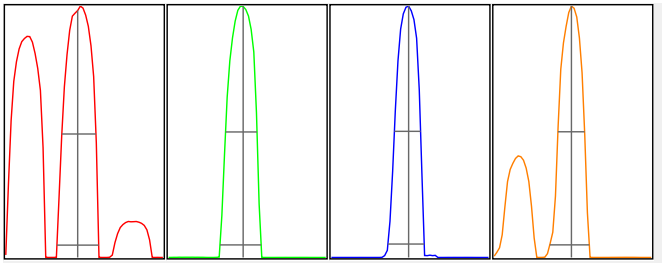
Mass	Conc. [ug/L]	Count	CPS	Resp (Required) [cps/(ug/L)]	Resp (Flag)	RSD%	RSD% (Required)
24	10.00	6044	60435.58			2.636	5.000
59	10.00	89088	890884.52			2.495	5.000
115	10.00	153250	1532503.90			2.569	5.000
208	10.00	97543	975433.78			2.329	5.000

Mass	RSD% (Flag)
24	
59	
115	
208	

Integration Time [sec]	0.1

US EPA Tune Check Report

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
24	6006.67	23.90	23.90 - 24.10	
59	89906.04	58.95	58.90 - 59.10	
115	154996.64	115.00	114.90 - 115.10	
208	97067.50	208.00	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
24	0.64	0.784	0.900	
59	0.59	0.774	0.900	
115	0.49	0.682	0.900	
208	0.50	0.743	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	29.92
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.09 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.3 V	Deflect	-2.6 V
Extract 2	-200.0 V	Cell Entrance	-40 V	Plate Bias	-55 V
Omega Bias	-105 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	3.0 V
He Flow	4.3 mL/min	OctP Bias	-18.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	125	Axis Gain	0.9992	QP Bias	-15.0 V
Mass Offset	125	Axis Offset	0.04		

Hardware Settings

Torch

Torch H	1.0 mm	Torch V	-0.4 mm

EM

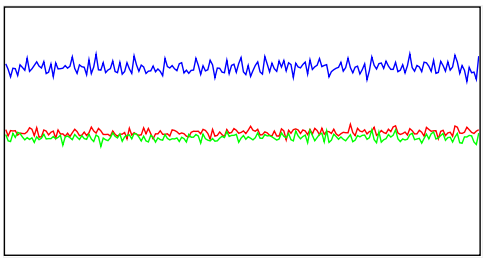
US EPA Tune Check Report

Discriminator	3.1 mV	Analog HV	2167 V	Pulse HV	1681 V

Performance Report

Operator Name	ICPMS
Acq. Date-Time	12/6/2024 08:11:53
Instrument Name	G8422A SG22151236
Sample Introduction	PeriPump
Nebulizer Type	MicroMist
Ion Lens Model	x-Lens
Tune Parameters	Standard Tune

Sensitivity



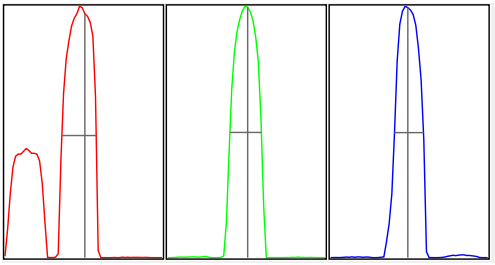
Mass	Range	Count	RSD%	Background
7	5000	2474	2.338	1.550
89	20000	9473	2.631	1.100
205	10000	7590	2.797	8.600

Sampling Period [sec]	0.311
Integration Time [sec]	0.1

Oxide/Doubly Charged Ratio

Oxide	156 / 140 1.178 %
Doubly Charged	70 / 140 1.221 %

Resolution/Axis



Mass	Peak Height	Axis	W-50%	W-10%
7	2412.36	7.05	0.64	0.73
89	9357.19	89.05	0.59	0.74
205	7495.93	205.00	0.54	0.72

Integration Time [sec]	0.1
Acquisition Time [sec]	22.74

Tune Parameters

Plasma Parameters

RF Power	1550 W	Option Gas	---	Makeup Gas	0.00 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Auxiliary Gas	0.90 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C	Plasma Gas	15.0 L/min
Nebulizer Gas	1.09 L/min				

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.4 V	Deflect	13.0 V
Extract 2	-190.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-90 V	Cell Exit	-50 V		

Performance Report

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

QP Bias	-3.0 V

Hardware Settings

Torch

Torch H	1.0 mm	Torch H (Hot)	---	Torch H (Cool)	---
Torch V	-0.4 mm	Torch V (Hot)	---	Torch V (Cool)	---

Plasma Correction

Nebulizer Gas Offset	0.04 L/min	Makeup Gas (Hot)	---	Makeup Gas (Cool)	---
		Sample Depth (Hot)	---		

Resolution/Axis

Mass Gain	125	Axis Gain	0.9992		
Mass Offset	125	Axis Offset	0.04		

EM

Discriminator	3.1 mV	Analog HV	2167 V	Pulse HV	1681 V

Performance Report

Meter

Name	Value	Unit
Nebulizer Gas	1.09	L/min
MU./Dil. Gas	0.00	L/min
Plasma Gas	14.98	L/min
Aux Gas	0.90	L/min
Ar Gas Tank Press	5.58E+2	kPa
+5V (Press Gage)	5.0	V
Ar AMFC Temp	27.2	°C
Nebulizer Gas(DP)	5.87E+0	kPa
MU./Dil. Gas(DP)	-2.16E-1	kPa
Aux Gas(DP)	1.07E+1	kPa
Plasma Gas(DP)	1.16E+1	kPa
Nebulizer Gas(BP)	3.00E+2	kPa
MU./Dil. Gas(BP)	0.00E+0	kPa
Aux Gas(BP)	5.93E+1	kPa
Plasma Gas(BP)	4.25E+1	kPa
S/C Temp (H)	20.9	°C
S/C Temp (L)	2.0	°C
Peltier Voltage	3.5	V
IF/BK Press	2.15E+2	Pa
Analyzer Press	4.17E-5	Pa
IG HV	178	V
IG Emission	4.98	µA
TMP Revolution	100.0	%
TMP Rev (Raw)	100.7	%
TMP Current	2.35	A
PWR AMP Drain I	0.4	A
PWR AMP Bias	4.02	V
OctP RF (Avg)	202.9	V
OctP RF Set	3.9	V
OctP FET Bias Set	3.95	V
OctP RF(+)	177.8	V
OctP RF(-)	226.7	V
OctP Bias	-7.9	V
Cell Temp.	65.0	°C
Cell Heater Volt.	4.4	V
+U Voltage	5.3	V

Name	Value	Unit
-U Voltage	-11.7	V
V Voltage	31.6	V
QPRF Fader	0.0	V
Pickup Temp	55.0	°C
PWR Amp Temp	0.1	V
+600V	619.9	V
-120V	-132.8	V
-720V	-741.4	V
Prefilter Bias	-4.98	V
Pickup Heater I	0.10	A
QP PS +48V	47.6	V
QP PS +48V I	0.00	A
Analog HV	-2172	V
Pulse HV	1693	V
EM Gate	99.9	V
Pulse Gate	0.2	V
EM Entrance	0.1	V
EM HV Gain	-790.2	V
Inner Pole	-300.0	V
Outer Pole	19.9	V
Analog -5V	-5.1	V
Analog +15V	14.5	V
Analog -15V	-14.4	V
Analog +5V	5.2	V
Shunt C Pos	1.5	V
Drain Volt.(max)	59.7	V
RF PS +48V	47.2	V
Forward Power	1550	W
Reflected Power	4	W
Plasma Freq.	27.06	MHz
Drain I 1	11.58	A
Drain I 2	10.47	A
Drain I 3	10.89	A
Drain I 4	11.42	A
Temp Sensor	2.8	V
Driver I	6.07	A

Name	Value	Unit
Igniter	0.0	V
Driver Voltage Set	6.9	V
Unbalance Current	0.37	A
PWM Threshold Set	0.2	V
Driver Voltage	5.6	V
PWM Threshold	0.2	V
Phase Detector	5.9	mV
H2 Gas	0.00	mL/min
He Gas	0.12	mL/min
H2 Gas Press	1.71E+2	kPa
He Gas Press	0.00E+0	kPa
ORS AMFC Temp	27.2	°C
Atmospheric Press	1.02E+2	kPa
Extract 1	0.0	V
Extract 2	-190.0	V
Omega Bias	-90.0	V
Omega Lens	9.5	V
Cell Entrance	-30.0	V
Cell Exit	-50.0	V
Deflect	13.0	V
Plate Bias	-35.0	V
HV+530V	531	V
HV+240V	238	V
HV-360V	-360	V
Inlet Temp	23.6	°C
Internal Temp	32.6	°C
+24V	23.7	V
Water Temp	22.2	°C
Water RF/WC/IF	1.48	L/min
AVS Pump Speed	0.0	%
Valve Position		
Tune/ISTD Valve		

Performance Report History

Sensitivity

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/6/2024 08:11:53	2474	9473	7590
12/5/2024 07:45:15	2602	9113	7346
12/4/2024 08:35:28	2839	9667	7564
12/3/2024 09:38:46	3015	11193	9379
12/3/2024 09:10:25	2907	9157	7638
12/2/2024 09:48:14	2604	11442	9841
11/27/2024 09:18:02	3476	12162	11898
11/27/2024 08:40:33	3385	11944	12062
11/26/2024 07:52:41	3744	12035	11820
11/25/2024 10:52:38	3880	13207	12363
11/25/2024 08:43:09	2919	8152	7210
11/25/2024 08:31:48	2322	6799	6373
11/22/2024 06:29:21	4341	13631	11908
11/21/2024 10:07:26	4232	13850	11980
11/21/2024 09:58:26	4337	13867	11641
11/21/2024 09:53:21	4336	13943	11865
11/20/2024 08:50:13	3327	11963	9773
11/19/2024 09:07:39	2881	12066	10310
11/18/2024 09:11:09	3258	12805	10761
11/15/2024 09:02:37	2693	8707	6754
11/14/2024 09:56:47	3179	12036	10196
11/14/2024 09:44:41	2030	6528	5373
11/14/2024 09:39:59	2088	6876	5431
11/14/2024 09:21:41	2135	6090	4966
11/14/2024 09:16:53	2193	6427	5066
11/13/2024 10:17:19	2967	12322	10924
11/12/2024 08:42:23	2896	10156	8865
11/12/2024 08:34:20	2091	6271	5013
11/11/2024 09:46:29	2704	9103	8129
11/11/2024 09:31:26	1451	4130	3151
11/11/2024 09:09:19	1556	4381	3353
11/8/2024 09:40:41	3878	12850	11278
11/7/2024 12:08:43	2848	10226	8292
11/7/2024 12:03:35	2627	8637	6728
11/7/2024 11:08:15	3976	13810	11381
11/7/2024 10:32:04	3532	13174	11182
11/7/2024 10:13:44	3716	11909	8198
11/7/2024 09:49:05	3693	13084	12786
11/6/2024 08:55:41	3378	15088	11319
11/5/2024 09:02:15	3773	15490	10953
11/4/2024 09:59:50	3402	15159	11216

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/4/2024 09:42:34	1057	3669	2186
11/4/2024 09:13:54	2351	8941	5502
11/1/2024 08:59:46	3717	16612	11556
10/31/2024 09:14:27	3337	15432	11693
10/30/2024 16:33:14	3797	17300	11789
10/30/2024 11:25:36	3655	14542	11817
10/30/2024 10:54:46	2413	7307	5091
10/30/2024 09:09:15	2981	9609	6862
10/29/2024 11:26:39	3194	11766	9190
10/29/2024 10:54:54	3026	11294	9461
10/29/2024 09:36:05	2893	8670	6437
10/29/2024 09:04:30	2784	8761	6754
10/28/2024 12:26:28	3435	10521	7399
10/28/2024 09:57:52	3258	12158	9024
10/25/2024 13:22:08	3268	11240	9552
10/25/2024 13:09:08	2630	7875	5867
10/25/2024 10:35:56	3217	10194	8481
10/25/2024 09:26:45	2628	9694	7739
10/25/2024 09:03:40	2688	8459	5359
10/24/2024 17:10:08	3080	10118	10097
10/24/2024 11:19:48	3870	14779	11560
10/24/2024 08:53:34	4135	16022	12555
10/23/2024 08:59:04	4087	16614	13183
10/22/2024 09:55:36	3983	15001	13012
10/21/2024 09:31:04	4538	15014	12821
10/18/2024 09:37:11	4383	14724	11994
10/17/2024 09:00:58	3900	14698	13119
10/16/2024 11:21:27	4189	14816	12534
10/16/2024 09:02:59	3438	10582	8196
10/15/2024 10:12:35	3435	10846	9239
10/14/2024 08:46:09	3541	15986	12186
10/11/2024 08:49:47	3690	15862	11666
10/10/2024 08:52:01	3700	15402	11824
10/9/2024 08:27:16	3626	15774	12277
10/8/2024 10:52:55	2362	10542	7908
10/8/2024 09:47:42	3911	15304	12906
10/7/2024 10:47:10	3992	14955	12794
10/7/2024 09:10:56	3382	13538	12792
10/7/2024 08:55:15	2656	8709	7524
10/4/2024 09:16:15	3872	14221	12466
10/3/2024 09:27:44	3365	12368	10800

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
10/3/2024 08:49:43	2982	10090	8450
10/3/2024 08:29:02	2995	10810	8612
10/2/2024 11:08:13	3324	11671	10170
10/2/2024 08:39:41	3353	10241	7732
10/1/2024 10:14:04	3370	11872	10693
9/30/2024 08:49:31	3503	14869	12082
9/27/2024 08:14:47	4409	16282	11577
9/26/2024 08:09:12	3884	15616	12097
9/25/2024 09:11:08	3580	16691	12938
9/24/2024 09:35:48	4222	16263	13022
9/23/2024 09:00:30	3708	15742	12736
9/20/2024 09:05:28	3987	15551	12694
9/19/2024 09:00:53	4313	16809	12564
9/18/2024 11:34:33	4095	14853	12453
9/18/2024 09:06:37	4445	16590	12240
9/17/2024 12:16:40	4163	14965	13304
9/17/2024 10:09:01	4176	14949	13142
9/16/2024 09:06:13	3051	12572	8977
9/13/2024 16:50:14	4283	16184	11408
9/13/2024 08:54:29	4066	17163	12371
9/12/2024 08:56:53	4002	16732	12377
9/11/2024 09:06:29	2910	10224	6989
9/10/2024 09:46:13	3531	13275	10400
9/9/2024 08:47:13	3100	13781	11716
9/9/2024 08:34:46	2186	7930	5968
9/6/2024 08:58:38	3296	13115	10876
9/5/2024 08:40:15	3699	13907	11131
9/4/2024 08:38:45	3411	15290	10844
9/3/2024 12:05:58	3899	14950	9780
9/3/2024 11:05:58	4188	14542	9410
9/3/2024 08:41:14	4155	14456	9772
8/30/2024 08:41:51	4377	15431	12571
8/29/2024 17:44:51	3896	15116	12679
8/29/2024 10:01:21	3933	13845	12605
8/28/2024 08:40:35	3730	15164	11267
8/27/2024 08:32:46	3843	16710	10929
8/26/2024 10:42:47	3976	12882	10259
8/23/2024 09:05:16	3432	12892	9568
8/22/2024 08:43:54	3662	14009	10981
8/21/2024 08:04:13	3190	14776	11594
8/20/2024 09:20:37	4220	16080	10288

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/19/2024 10:25:21	3050	10181	8067
8/19/2024 09:17:03	3195	9903	8321
8/16/2024 08:56:38	3253	15296	12175
8/15/2024 08:28:01	3146	14138	12111
8/14/2024 08:24:41	3158	13973	11673
8/13/2024 08:51:41	3023	15070	13056
8/12/2024 09:10:43	3411	12432	11805
8/12/2024 08:57:52	1786	5237	5122
8/9/2024 11:39:50	3767	15758	13022
8/9/2024 10:08:20	12	1	3
8/8/2024 08:40:39	3024	12546	9719
8/7/2024 09:19:16	2917	12165	9488
8/6/2024 11:12:44	2859	11998	10016
8/6/2024 10:53:38	2232	10655	9558
8/5/2024 10:40:17	2691	10635	9226
8/5/2024 10:09:19	2125	6835	5664
8/5/2024 09:55:23	2365	7939	6556
8/2/2024 09:40:16	3340	11024	9295
8/2/2024 08:37:48	3505	10692	8586
8/1/2024 10:38:00	3758	12250	9330
8/1/2024 09:06:45	3389	10556	9761
7/31/2024 08:13:58	3039	11937	9529
7/30/2024 08:50:51	2533	10165	9332
7/29/2024 16:06:05	3222	12529	9934
7/29/2024 12:07:28	3037	11992	10136
7/29/2024 11:14:31	3174	12095	10013
7/29/2024 10:15:21	2846	11965	10483
7/26/2024 08:53:52	3203	12639	10549
7/25/2024 09:09:23	2585	8526	8080
7/24/2024 15:10:09	3079	9987	9009
7/24/2024 08:46:25	3148	11490	9796
7/23/2024 09:32:54	3357	11492	9580
7/22/2024 10:18:30	3442	12004	11023
7/19/2024 08:55:06	3486	11885	10185
7/18/2024 09:06:31	3257	9447	8888
7/17/2024 13:03:52	2495	9473	8373
7/17/2024 08:53:29	2867	10755	8619
7/16/2024 08:54:03	2886	10903	8985
7/15/2024 10:39:29	2656	10995	8921
7/15/2024 10:30:38	103	5	6
7/15/2024 10:13:57	1404	5260	4224

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
7/15/2024 09:02:48	3268	12919	10156
7/12/2024 08:34:22	2706	11570	8940
7/11/2024 09:57:22	2727	11970	8459
7/10/2024 08:53:17	2246	9073	7312
7/9/2024 11:54:06	3038	12303	9808
7/9/2024 11:32:31	2139	7705	5834
7/9/2024 11:26:38	2090	7758	5904
7/9/2024 10:39:16	3437	12816	9591
7/9/2024 09:17:46	2577	11478	8879
7/9/2024 08:57:06	3286	13034	8974
7/8/2024 09:21:55	3166	12745	9642
7/8/2024 09:16:31	3066	12665	9668
7/5/2024 09:03:10	3288	13628	11266
7/3/2024 13:05:52	3539	13046	10137
7/3/2024 11:25:40	3213	12344	9957
7/3/2024 09:13:37	3169	12570	10423
7/3/2024 08:44:49	2051	12221	9873
7/2/2024 10:26:17	2328	11750	10360
7/2/2024 08:58:12	3072	10344	9707
7/1/2024 14:16:19	3282	10802	9231
7/1/2024 10:01:10	3288	12796	10476
6/28/2024 08:25:22	3484	12596	10301
6/27/2024 08:34:14	3474	12721	10120
6/27/2024 08:11:22	1666	11338	9258
6/26/2024 07:54:24	2501	8288	8428
6/25/2024 09:02:17	2627	12790	10975
6/24/2024 09:30:27	2976	12050	10056
6/21/2024 08:55:34	3096	13175	9957
6/21/2024 08:22:44	1280	11401	9041
6/20/2024 09:00:43	2564	9588	8694
6/19/2024 07:51:31	2980	11922	9704
6/18/2024 07:52:20	3296	11922	9824
6/17/2024 08:58:45	3009	9463	9003
6/14/2024 08:44:27	2879	12214	10357
6/13/2024 08:42:30	3176	12682	10526
6/12/2024 09:03:47	2996	12633	11312
6/11/2024 08:44:40	3492	13252	10118
6/10/2024 09:31:51	4111	13060	10421
6/10/2024 09:17:04	3508	11070	8441
6/10/2024 09:10:07	3930	12555	9564
6/7/2024 09:02:38	3417	11597	7618

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
6/6/2024 15:20:20	2950	9649	8247
6/6/2024 05:03:01	3480	13184	11025
6/6/2024 04:59:28	3438	13257	11014
6/5/2024 08:30:26	3575	12412	10789
6/4/2024 08:52:51	3401	12310	11419
6/4/2024 08:39:35	2814	11768	10904
6/4/2024 08:33:37	3060	12687	11246
6/3/2024 10:10:17	3272	10175	10494
6/3/2024 09:51:43	1907	6599	4712
6/3/2024 09:44:54	2209	7627	5199
6/3/2024 09:30:49	3299	9738	9247
5/31/2024 08:42:32	3301	13328	10713
5/30/2024 09:08:46	3406	13401	10419
5/29/2024 09:04:40	3587	13162	10590
5/29/2024 08:48:40	1739	11664	8844
5/29/2024 08:44:08	1858	12854	9297
5/28/2024 09:34:37	3138	12513	10682
5/24/2024 07:20:01	3325	12857	11044
5/23/2024 10:25:13	3407	12821	11140
5/22/2024 09:45:06	3583	12763	11601
5/21/2024 09:06:58	3752	13803	11837
5/21/2024 08:01:17	3966	14413	11053
5/20/2024 17:22:27	3645	10846	9662
5/20/2024 17:18:56	3613	10801	9645
5/20/2024 09:20:56	3333	12566	10681
5/17/2024 09:12:39	3467	13701	10660
5/16/2024 08:56:23	3599	13565	10699
5/15/2024 09:38:13	3581	13159	10227
5/15/2024 09:21:01	1917	11948	9850
5/14/2024 09:41:16	3346	12368	10966
5/14/2024 09:04:40	3206	11414	12297
5/13/2024 09:04:44	2639	15138	12300
5/10/2024 08:57:17	2178	13865	10279
5/9/2024 09:06:46	2313	13292	10727
5/9/2024 08:50:21	1763	12142	9522
5/9/2024 08:44:20	1789	12171	9682
5/8/2024 09:39:10	3313	11092	11044
5/7/2024 17:05:39	3463	13115	10886
5/7/2024 16:48:43	3264	12073	10628
5/7/2024 09:19:24	3347	12706	11167
5/6/2024 09:15:59	3892	14499	12724

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
5/6/2024 09:03:10	3843	14665	13481
5/3/2024 09:11:06	3540	13100	11548
5/2/2024 09:48:24	3670	12233	11836
5/1/2024 09:22:54	4036	13686	11251
4/30/2024 10:43:56	4361	13605	11359
4/30/2024 08:17:01	4350	13793	11664
4/29/2024 09:10:57	4751	14089	11140
4/29/2024 08:57:45	3329	9292	6892
4/26/2024 08:09:31	5054	14978	10788
4/25/2024 09:37:51	4308	13902	11794
4/24/2024 09:17:24	4876	17662	12102
4/23/2024 22:46:11	4199	16180	12059
4/23/2024 09:01:59	3715	15592	11876
4/22/2024 10:16:34	4292	15978	13578
4/19/2024 10:59:00	3974	16385	11540
4/19/2024 10:07:48	2645	8439	3189
4/19/2024 09:10:32	360162	657303	2022720
4/18/2024 09:24:23	3369	17060	12485
4/17/2024 17:03:53	2828	16000	10229
4/17/2024 16:22:27	2262	14213	9009
4/17/2024 09:09:54	3608	12353	11595
4/16/2024 09:06:44	4046	14969	11814
4/15/2024 09:14:49	4139	16052	12083
4/12/2024 08:28:21	4666	17208	13280
4/11/2024 08:35:01	4138	17113	13613
4/10/2024 09:48:58	4018	16844	14484
4/9/2024 08:56:49	3881	15432	13181
4/8/2024 09:25:48	4035	16790	14224
4/5/2024 08:28:47	3893	17251	13416
4/4/2024 11:00:01	2778	10338	7494
4/4/2024 10:45:12	4028	16465	14158
4/3/2024 08:29:42	3630	16640	12452
4/2/2024 09:43:44	3046	17903	13815
4/1/2024 09:27:15	3194	17804	13701
3/29/2024 08:53:28	2520	17006	12384
3/28/2024 09:08:20	2920	17324	12995
3/27/2024 16:48:32	3382	17176	12605
3/27/2024 10:07:18	3661	16126	12723
3/27/2024 08:49:30	3929	17060	12992
3/26/2024 10:28:06	4590	16054	14855
3/25/2024 10:10:30	4003	18464	13973

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
3/22/2024 09:00:45	2984	17875	12893
3/21/2024 08:44:31	3167	17829	13067
3/20/2024 09:03:42	3080	17089	12389
3/19/2024 13:23:15	3786	17505	12877
3/19/2024 09:31:32	3279	17943	12421
3/18/2024 10:47:35	4608	16508	13822
3/15/2024 09:19:25	2446	16491	10868
3/14/2024 09:13:05	2441	16585	10800
3/13/2024 09:22:30	2903	16825	11325
3/12/2024 09:10:39	2653	17105	11709
3/11/2024 11:07:32	4200	16181	13057
3/11/2024 09:31:05	4293	17257	11986
3/11/2024 09:27:33	4322	17396	12106
3/8/2024 08:29:13	4145	16244	11704
3/7/2024 17:46:09	4185	15148	11811
3/7/2024 13:19:13	4029	15848	11265
3/7/2024 09:28:32	3605	13491	9204
3/7/2024 09:11:32	2580	13526	10298
3/7/2024 09:01:08	2698	13846	10718
3/6/2024 10:19:40	3208	14488	10724
3/5/2024 10:15:16	273	1743	2387
3/5/2024 10:09:01	146	892	1334
3/4/2024 11:41:00	4063	15365	11233
3/4/2024 11:28:21	1954	9059	5433
3/1/2024 08:43:28	2996	15512	8966
2/29/2024 10:38:23	4306	15354	11334
2/29/2024 10:00:25	554	3889	4359
2/29/2024 09:54:15	506	3359	3784
2/28/2024 09:32:01	3061	18229	13084
2/27/2024 09:16:47	2827	17549	11855
2/26/2024 10:30:35	3971	16379	11179
2/26/2024 10:00:21	1827	10055	6679
2/23/2024 09:07:38	3382	16511	11230
2/22/2024 08:58:48	3065	15604	10264
2/21/2024 09:51:13	3455	16190	11543
2/20/2024 09:59:52	3253	15976	11176
2/19/2024 11:30:32	4894	17240	13782
2/19/2024 11:27:00	4856	17120	13743
2/19/2024 10:16:07	4289	15395	10107
2/16/2024 10:28:26	3613	15969	9007
2/15/2024 09:20:58	4185	16564	9371

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
2/14/2024 09:20:12	4712	16825	9695
2/13/2024 10:44:41	4401	16379	9098
2/13/2024 10:29:18	758	13401	11559
2/12/2024 11:24:46	2301	15124	11918
2/12/2024 11:09:08	53	2239	4028
2/12/2024 10:33:45	42	1954	3702
2/12/2024 10:19:52	438	2663	2740
2/12/2024 10:03:02	137	541	1027
2/9/2024 09:43:26	2475	17092	10562
2/8/2024 09:41:08	2739	17007	11011
2/7/2024 09:08:34	2949	17251	11332
2/6/2024 10:08:14	3266	17222	10352
2/5/2024 16:27:35	2590	11801	7811
2/2/2024 09:52:22	4247	15989	11850
2/1/2024 09:29:20	4221	15873	11923
1/31/2024 11:01:25	4619	16449	12370
1/31/2024 10:56:52	2140	7715	5751
1/30/2024 09:04:33	4439	15663	11799
1/29/2024 09:09:33	3916	13763	12278
1/26/2024 10:08:59	3557	15191	9410
1/25/2024 09:54:25	3735	15427	9753
1/24/2024 08:52:40	3752	15257	10201
1/23/2024 11:08:41	3473	15039	10359
1/22/2024 09:17:23	4075	16149	10348
1/22/2024 09:06:26	2984	12293	7869
1/19/2024 09:01:45	3434	14536	9100
1/18/2024 10:29:20	3342	14635	9148
1/17/2024 08:52:45	3752	15881	10390
1/16/2024 14:09:54	4332	14365	9878
1/16/2024 13:58:35	1849	8752	5553
1/16/2024 13:45:11	1759	8747	5733
1/15/2024 13:03:28	344	1843	2376
1/15/2024 10:46:25	310	1953	2595
1/15/2024 10:34:05	355	1945	2594
1/15/2024 10:25:28	354	1906	2502
1/15/2024 09:48:32	378	1867	2261
1/15/2024 09:32:45	371	1842	2272
1/11/2024 14:10:39	440	1388	1671
1/11/2024 14:00:32	442	1331	1629
1/11/2024 13:07:14	441	1073	1309
1/11/2024 12:18:32	442	1296	1595

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/11/2024 10:36:51	468	1469	1987
1/11/2024 10:28:26	430	1428	1696
1/11/2024 09:11:58	387	1869	2263
1/11/2024 09:02:27	313	1592	1975
1/11/2024 08:54:00	310	1559	1944
1/10/2024 09:10:40	3490	14986	10982
1/9/2024 12:58:05	4349	14607	8180
1/9/2024 12:49:35	715	10779	7642
1/9/2024 12:37:33	8	1202	6143
1/9/2024 12:22:55	8	1215	6181
1/9/2024 12:00:03	8	1341	6546
1/9/2024 11:54:42	9	1280	6372
1/9/2024 11:45:17	9	1382	6594
1/9/2024 11:40:53	10	1397	6617
1/9/2024 11:25:08	362	1545	1665
1/9/2024 11:20:04	363	1540	1650
1/8/2024 13:49:37	3408	10281	9523
1/8/2024 12:34:48	1155	5021	6450
1/8/2024 12:30:18	1191	5187	6341
1/5/2024 09:35:49	3668	12692	8070
1/4/2024 09:13:21	3867	12894	6927
1/4/2024 09:00:57	603	1935	1257
1/3/2024 08:46:17	3809	12778	9107
1/2/2024 11:16:48	3519	12397	9390
1/2/2024 10:38:17	3814	12293	8842
12/29/2023 10:12:49	4013	12649	8816
12/28/2023 08:59:35	3766	13387	9586
12/27/2023 12:20:02	3809	12937	8800
12/27/2023 11:34:32	40	9	2
12/27/2023 10:51:04	55	31	2
12/27/2023 10:41:08	72	37	8
12/27/2023 10:33:50	3879	13288	8945
12/27/2023 10:28:28	3772	13183	8580
12/22/2023 07:49:52	3943	11892	9924
12/21/2023 08:44:43	3526	13027	9943
12/20/2023 09:26:41	4003	13172	10074
12/19/2023 09:55:37	4333	13694	10285
12/18/2023 10:16:18	4138	13763	10818
12/18/2023 10:06:38	3415	13014	10962
12/18/2023 10:00:26	3894	14384	11204
12/15/2023 09:45:55	3734	14030	9513

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/14/2023 10:23:15	3524	14113	9600
12/13/2023 10:17:40	3829	13996	9570
12/12/2023 09:56:00	3555	14240	9677
12/11/2023 10:31:48	3701	14394	9382
12/8/2023 10:10:39	3664	14293	8929
12/7/2023 09:51:50	3426	13353	8809
12/6/2023 10:12:37	3698	14579	8824
12/5/2023 10:02:14	3349	13427	9922
12/4/2023 12:08:53	3427	12418	10340
12/4/2023 11:24:17	1768	7808	8292
12/4/2023 11:20:06	1802	8001	8316
12/4/2023 11:16:06	1832	8106	8250
12/4/2023 10:23:39	1770	7816	7735
12/4/2023 10:16:55	1601	7275	7827
12/4/2023 10:09:27	1944	8113	7456
12/1/2023 09:45:19	2113	9054	8466
11/30/2023 11:48:17	2317	9995	8851
11/30/2023 11:13:01	1727	8309	9089
11/30/2023 11:05:44	1721	8023	8748
11/30/2023 10:33:46	1172	5927	8124
11/29/2023 10:04:26	2359	11870	8365
11/29/2023 09:51:22	1483	5693	3444
11/28/2023 12:50:37	3146	12531	8324
11/28/2023 12:18:55	2789	8914	4789
11/28/2023 12:15:04	3346	10726	5995
11/28/2023 11:49:24	2609	8496	4878
11/28/2023 10:22:53	1529	5718	4738
11/28/2023 10:19:03	1663	6180	5204
11/28/2023 10:15:20	1784	6623	5657
11/28/2023 09:59:37	1436	6174	5639
11/27/2023 10:28:48	2148	9665	8835
11/27/2023 10:07:16	1451	7618	8440
11/27/2023 10:01:25	1454	7648	8543
11/27/2023 09:52:06	1636	8794	9323
11/22/2023 09:50:47	2317	9749	8520
11/21/2023 09:52:05	2348	10189	9398
11/20/2023 09:38:08	2536	10392	9162
11/17/2023 10:07:38	2699	10664	9285
11/16/2023 09:42:56	2615	11519	10404
11/15/2023 13:01:45	2120	9780	10146
11/15/2023 12:33:52	1814	8334	9391

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/15/2023 12:27:35	1837	8353	9462
11/15/2023 12:17:35	1829	8310	9392
11/15/2023 12:09:42	1631	7760	9062
11/15/2023 10:39:09	1634	7521	8758
11/14/2023 10:25:03	4165	15167	8009
11/13/2023 09:42:07	3445	15971	9795
11/10/2023 09:15:37	3300	14607	7635
11/9/2023 09:55:52	2651	15369	8099
11/8/2023 09:55:56	2862	15545	7990
11/7/2023 10:07:52	2359	13776	7205
11/7/2023 10:01:12	1759	11245	6289
11/7/2023 09:55:11	1931	12236	6442
11/6/2023 10:21:52	3645	16323	7638
11/3/2023 09:44:39	2391	13805	7745
11/2/2023 09:56:11	2999	15000	8628
11/1/2023 09:41:33	3299	14766	7935

Background

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/6/2024 08:11:53	1.550	1.100	8.600
12/5/2024 07:45:15	1.350	1.450	8.100
12/4/2024 08:35:28	1.200	1.550	7.650
12/3/2024 09:38:46	1.300	1.300	6.550
12/3/2024 09:10:25	1.250	1.100	6.750
12/2/2024 09:48:14	1.300	1.150	6.650
11/27/2024 09:18:02	0.600	0.700	1.800
11/27/2024 08:40:33	0.650	0.750	1.300
11/26/2024 07:52:41	0.950	0.600	2.100
11/25/2024 10:52:38	0.900	0.550	2.350
11/25/2024 08:43:09	0.850	0.800	2.050
11/25/2024 08:31:48	1.000	0.650	2.100
11/22/2024 06:29:21	0.600	1.050	2.500
11/21/2024 10:07:26	0.750	1.000	2.700
11/21/2024 09:58:26	1.300	0.650	3.050

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/21/2024 09:53:21	0.800	0.750	3.100
11/20/2024 08:50:13	6.000	3.700	8.600
11/19/2024 09:07:39	1.550	1.400	6.450
11/18/2024 09:11:09	1.150	1.600	7.350
11/15/2024 09:02:37	1.200	1.150	7.050
11/14/2024 09:56:47	2.100	1.400	7.500
11/14/2024 09:44:41	1.750	0.850	5.250
11/14/2024 09:39:59	2.150	1.550	9.400
11/14/2024 09:21:41	2.250	1.500	6.150
11/14/2024 09:16:53	1.850	0.900	7.400
11/13/2024 10:17:19	1.650	1.000	4.650
11/12/2024 08:42:23	1.200	0.650	2.500
11/12/2024 08:34:20	1.150	0.650	3.300
11/11/2024 09:46:29	1.350	0.500	3.400
11/11/2024 09:31:26	1.150	0.800	3.850
11/11/2024 09:09:19	1.750	0.450	4.300
11/8/2024 09:40:41	0.950	0.650	3.650
11/7/2024 12:08:43	2.450	1.450	5.650
11/7/2024 12:03:35	1.900	1.200	5.500
11/7/2024 11:08:15	1.350	0.700	2.850
11/7/2024 10:32:04	1.350	0.450	2.700
11/7/2024 10:13:44	0.850	0.700	3.500
11/7/2024 09:49:05	0.900	0.650	2.650
11/6/2024 08:55:41	1.800	1.300	6.000
11/5/2024 09:02:15	1.950	1.250	6.400
11/4/2024 09:59:50	1.750	1.100	6.350
11/4/2024 09:42:34	3.000	1.750	8.800
11/4/2024 09:13:54	3.050	0.950	6.700
11/1/2024 08:59:46	1.600	1.100	5.200
10/31/2024 09:14:27	1.500	1.200	4.850
10/30/2024 16:33:14	2.550	1.200	7.450
10/30/2024 11:25:36	1.400	1.250	4.700
10/30/2024 10:54:46	1.250	1.300	6.450
10/30/2024 09:09:15	0.650	0.700	4.050
10/29/2024 11:26:39	0.800	0.900	3.200
10/29/2024 10:54:54	1.000	0.950	3.600
10/29/2024 09:36:05	1.650	0.900	4.150
10/29/2024 09:04:30	1.000	0.450	4.500
10/28/2024 12:26:28	1.200	0.950	5.100
10/28/2024 09:57:52	1.200	0.800	4.350
10/25/2024 13:22:08	0.500	0.500	2.800

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
10/25/2024 13:09:08	0.850	1.050	4.250
10/25/2024 10:35:56	0.850	0.650	3.350
10/25/2024 09:26:45	0.550	0.850	2.500
10/25/2024 09:03:40	1.000	0.750	3.450
10/24/2024 17:10:08	0.550	0.700	2.950
10/24/2024 11:19:48	1.300	0.900	4.950
10/24/2024 08:53:34	0.850	1.000	5.300
10/23/2024 08:59:04	1.200	0.600	4.650
10/22/2024 09:55:36	1.100	1.000	3.250
10/21/2024 09:31:04	0.750	0.700	2.900
10/18/2024 09:37:11	1.300	0.800	4.050
10/17/2024 09:00:58	1.000	0.700	3.100
10/16/2024 11:21:27	0.750	1.150	4.250
10/16/2024 09:02:59	0.800	0.850	4.800
10/15/2024 10:12:35	0.700	0.750	3.450
10/14/2024 08:46:09	1.150	0.750	5.200
10/11/2024 08:49:47	1.250	1.250	5.050
10/10/2024 08:52:01	1.150	1.050	4.250
10/9/2024 08:27:16	1.300	0.650	5.100
10/8/2024 10:52:55	1.650	0.900	6.250
10/8/2024 09:47:42	1.000	1.200	3.950
10/7/2024 10:47:10	1.000	0.850	3.900
10/7/2024 09:10:56	0.650	0.650	2.550
10/7/2024 08:55:15	0.900	0.350	3.750
10/4/2024 09:16:15	0.550	0.700	3.950
10/3/2024 09:27:44	1.150	0.800	3.300
10/3/2024 08:49:43	1.050	0.750	4.100
10/3/2024 08:29:02	0.700	0.900	3.950
10/2/2024 11:08:13	1.150	0.800	3.600
10/2/2024 08:39:41	1.150	1.100	4.550
10/1/2024 10:14:04	0.900	0.500	2.800
9/30/2024 08:49:31	1.300	1.000	4.000
9/27/2024 08:14:47	1.750	1.050	5.150
9/26/2024 08:09:12	0.800	0.550	4.500
9/25/2024 09:11:08	1.150	0.800	4.950
9/24/2024 09:35:48	0.850	0.700	4.550
9/23/2024 09:00:30	1.250	1.000	4.050
9/20/2024 09:05:28	0.700	0.750	3.000
9/19/2024 09:00:53	1.000	1.000	4.550
9/18/2024 11:34:33	1.000	0.800	3.700
9/18/2024 09:06:37	0.600	0.750	4.150

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
9/17/2024 12:16:40	0.900	0.750	3.400
9/17/2024 10:09:01	0.900	0.800	3.350
9/16/2024 09:06:13	1.250	1.050	4.500
9/13/2024 16:50:14	1.550	1.700	7.350
9/13/2024 08:54:29	1.600	0.900	5.400
9/12/2024 08:56:53	1.000	0.900	4.800
9/11/2024 09:06:29	1.200	0.800	5.450
9/10/2024 09:46:13	0.900	0.500	4.550
9/9/2024 08:47:13	0.700	0.900	3.150
9/9/2024 08:34:46	0.950	0.450	3.600
9/6/2024 08:58:38	0.700	0.650	2.600
9/5/2024 08:40:15	0.800	0.700	3.950
9/4/2024 08:38:45	1.250	0.600	3.950
9/3/2024 12:05:58	1.350	0.950	4.450
9/3/2024 11:05:58	1.250	1.450	6.900
9/3/2024 08:41:14	1.400	1.450	5.900
8/30/2024 08:41:51	1.100	0.700	4.200
8/29/2024 17:44:51	1.050	0.950	3.500
8/29/2024 10:01:21	1.100	0.500	4.000
8/28/2024 08:40:35	0.800	1.250	4.450
8/27/2024 08:32:46	1.450	1.000	5.600
8/26/2024 10:42:47	1.150	0.650	4.550
8/23/2024 09:05:16	1.400	1.400	3.650
8/22/2024 08:43:54	1.050	0.850	3.250
8/21/2024 08:04:13	1.200	1.050	4.450
8/20/2024 09:20:37	1.250	1.250	5.250
8/19/2024 10:25:21	1.000	0.500	4.550
8/19/2024 09:17:03	0.900	0.650	3.700
8/16/2024 08:56:38	1.050	1.050	3.450
8/15/2024 08:28:01	1.000	0.600	3.250
8/14/2024 08:24:41	1.150	0.450	4.000
8/13/2024 08:51:41	1.200	0.450	2.850
8/12/2024 09:10:43	0.500	0.500	2.350
8/12/2024 08:57:52	0.950	0.600	2.950
8/9/2024 11:39:50	1.350	0.700	4.500
8/9/2024 10:08:20	0.850	0.600	3.100
8/8/2024 08:40:39	1.200	0.500	5.750
8/7/2024 09:19:16	1.350	0.900	4.300
8/6/2024 11:12:44	1.450	0.800	3.500
8/6/2024 10:53:38	1.600	0.500	3.350
8/5/2024 10:40:17	0.600	0.750	3.150

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/5/2024 10:09:19	1.300	0.750	4.700
8/5/2024 09:55:23	0.800	0.700	5.750
8/2/2024 09:40:16	1.050	0.650	4.450
8/2/2024 08:37:48	1.300	0.700	4.600
8/1/2024 10:38:00	1.050	0.550	5.450
8/1/2024 09:06:45	0.900	0.850	3.750
7/31/2024 08:13:58	1.200	0.650	3.800
7/30/2024 08:50:51	1.100	0.650	2.400
7/29/2024 16:06:05	1.250	0.950	4.850
7/29/2024 12:07:28	1.500	0.750	4.100
7/29/2024 11:14:31	1.200	1.000	3.500
7/29/2024 10:15:21	1.250	0.800	3.900
7/26/2024 08:53:52	0.750	1.200	3.950
7/25/2024 09:09:23	0.750	0.300	2.900
7/24/2024 15:10:09	0.750	0.700	3.650
7/24/2024 08:46:25	1.100	0.650	4.200
7/23/2024 09:32:54	1.250	0.750	3.550
7/22/2024 10:18:30	1.050	0.600	4.200
7/19/2024 08:55:06	1.300	0.650	4.050
7/18/2024 09:06:31	0.700	0.600	2.950
7/17/2024 13:03:52	1.150	0.800	3.850
7/17/2024 08:53:29	1.700	0.550	5.400
7/16/2024 08:54:03	0.900	0.850	4.100
7/15/2024 10:39:29	1.050	0.750	4.650
7/15/2024 10:30:38	1.250	0.750	4.300
7/15/2024 10:13:57	1.250	0.650	4.400
7/15/2024 09:02:48	1.550	0.450	4.300
7/12/2024 08:34:22	1.200	0.850	4.100
7/11/2024 09:57:22	1.550	1.200	5.900
7/10/2024 08:53:17	1.050	0.850	2.900
7/9/2024 11:54:06	1.200	0.750	3.700
7/9/2024 11:32:31	1.000	0.450	3.700
7/9/2024 11:26:38	1.550	0.550	4.350
7/9/2024 10:39:16	1.200	1.050	4.700
7/9/2024 09:17:46	1.550	0.800	4.650
7/9/2024 08:57:06	1.250	0.700	3.100
7/8/2024 09:21:55	1.700	0.950	5.050
7/8/2024 09:16:31	1.050	0.750	4.500
7/5/2024 09:03:10	1.200	0.500	3.600
7/3/2024 13:05:52	1.150	1.000	4.000
7/3/2024 11:25:40	1.500	0.850	4.500

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
7/3/2024 09:13:37	1.000	0.550	4.300
7/3/2024 08:44:49	0.950	0.650	3.500
7/2/2024 10:26:17	0.850	0.650	3.600
7/2/2024 08:58:12	0.900	0.850	3.350
7/1/2024 14:16:19	1.450	0.500	5.050
7/1/2024 10:01:10	1.450	0.850	3.900
6/28/2024 08:25:22	1.100	1.350	4.300
6/27/2024 08:34:14	1.350	0.900	6.000
6/27/2024 08:11:22	0.850	0.700	4.400
6/26/2024 07:54:24	0.650	0.400	2.750
6/25/2024 09:02:17	0.900	0.650	4.200
6/24/2024 09:30:27	1.250	1.100	4.150
6/21/2024 08:55:34	1.150	0.700	6.200
6/21/2024 08:22:44	1.050	0.900	3.250
6/20/2024 09:00:43	1.300	0.700	2.750
6/19/2024 07:51:31	1.500	1.400	4.900
6/18/2024 07:52:20	1.850	1.000	4.300
6/17/2024 08:58:45	1.000	0.450	2.900
6/14/2024 08:44:27	1.200	0.450	4.150
6/13/2024 08:42:30	1.100	0.850	4.800
6/12/2024 09:03:47	1.200	0.400	3.350
6/11/2024 08:44:40	1.650	0.700	3.950
6/10/2024 09:31:51	1.550	0.750	4.350
6/10/2024 09:17:04	1.250	0.450	3.800
6/10/2024 09:10:07	1.400	0.600	3.500
6/7/2024 09:02:38	1.400	0.350	3.300
6/6/2024 15:20:20	1.150	0.400	2.650
6/6/2024 05:03:01	1.500	1.100	4.650
6/6/2024 04:59:28	1.300	0.900	3.750
6/5/2024 08:30:26	1.800	1.350	4.050
6/4/2024 08:52:51	0.650	0.500	3.850
6/4/2024 08:39:35	0.850	0.500	3.450
6/4/2024 08:33:37	0.950	0.800	4.400
6/3/2024 10:10:17	1.000	0.500	3.100
6/3/2024 09:51:43	2.050	0.850	4.950
6/3/2024 09:44:54	1.500	0.500	5.150
6/3/2024 09:30:49	1.100	0.350	3.050
5/31/2024 08:42:32	1.350	0.900	5.150
5/30/2024 09:08:46	1.000	0.550	4.300
5/29/2024 09:04:40	1.150	0.750	4.750
5/29/2024 08:48:40	0.700	0.550	2.700

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
5/29/2024 08:44:08	1.150	0.400	3.600
5/28/2024 09:34:37	1.000	0.450	3.150
5/24/2024 07:20:01	1.250	1.100	4.200
5/23/2024 10:25:13	0.900	0.900	5.100
5/22/2024 09:45:06	1.050	0.750	5.250
5/21/2024 09:06:58	1.400	1.100	5.050
5/21/2024 08:01:17	1.150	0.950	4.950
5/20/2024 17:22:27	0.900	0.750	3.800
5/20/2024 17:18:56	1.050	1.050	3.750
5/20/2024 09:20:56	0.450	0.650	3.250
5/17/2024 09:12:39	1.050	0.700	4.800
5/16/2024 08:56:23	0.900	0.750	3.850
5/15/2024 09:38:13	0.750	0.600	4.050
5/15/2024 09:21:01	0.900	0.250	3.400
5/14/2024 09:41:16	0.900	0.350	3.050
5/14/2024 09:04:40	0.600	0.350	2.100
5/13/2024 09:04:44	0.950	0.900	3.450
5/10/2024 08:57:17	0.900	0.550	5.000
5/9/2024 09:06:46	1.100	0.900	5.050
5/9/2024 08:50:21	1.150	0.700	4.800
5/9/2024 08:44:20	1.000	1.000	5.300
5/8/2024 09:39:10	1.300	0.600	3.200
5/7/2024 17:05:39	1.150	0.700	4.850
5/7/2024 16:48:43	1.050	0.800	3.600
5/7/2024 09:19:24	1.000	0.800	3.750
5/6/2024 09:15:59	0.750	0.750	4.350
5/6/2024 09:03:10	0.850	0.700	4.500
5/3/2024 09:11:06	1.150	0.500	3.350
5/2/2024 09:48:24	0.800	0.800	2.450
5/1/2024 09:22:54	1.300	0.700	5.450
4/30/2024 10:43:56	1.000	1.250	5.000
4/30/2024 08:17:01	1.150	0.950	4.100
4/29/2024 09:10:57	1.550	0.750	5.050
4/29/2024 08:57:45	1.550	0.850	5.850
4/26/2024 08:09:31	1.300	0.750	5.850
4/25/2024 09:37:51	1.250	1.000	4.100
4/24/2024 09:17:24	1.600	1.450	5.400
4/23/2024 22:46:11	1.250	1.150	5.750
4/23/2024 09:01:59	0.700	0.550	4.900
4/22/2024 10:16:34	1.000	0.650	4.100
4/19/2024 10:59:00	1.050	1.050	5.250

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
4/19/2024 10:07:48	2.150	1.700	8.800
4/19/2024 09:10:32	0.600	0.600	1.050
4/18/2024 09:24:23	0.850	0.800	2.900
4/17/2024 17:03:53	1.350	0.800	4.300
4/17/2024 16:22:27	1.150	1.000	4.600
4/17/2024 09:09:54	0.800	0.750	2.300
4/16/2024 09:06:44	1.150	1.300	4.500
4/15/2024 09:14:49	1.200	1.150	5.300
4/12/2024 08:28:21	1.050	0.850	4.250
4/11/2024 08:35:01	0.900	0.700	4.650
4/10/2024 09:48:58	0.550	1.000	3.500
4/9/2024 08:56:49	0.700	0.700	3.500
4/8/2024 09:25:48	0.950	0.800	4.150
4/5/2024 08:28:47	1.450	0.700	5.100
4/4/2024 11:00:01	1.700	0.650	4.750
4/4/2024 10:45:12	1.100	0.750	3.200
4/3/2024 08:29:42	0.950	0.900	5.550
4/2/2024 09:43:44	0.800	0.750	2.500
4/1/2024 09:27:15	1.200	1.300	3.650
3/29/2024 08:53:28	1.250	0.900	3.350
3/28/2024 09:08:20	0.800	0.850	3.950
3/27/2024 16:48:32	1.250	1.100	4.700
3/27/2024 10:07:18	1.650	0.750	3.600
3/27/2024 08:49:30	1.700	0.600	4.200
3/26/2024 10:28:06	1.450	0.550	4.000
3/25/2024 10:10:30	1.150	0.650	4.800
3/22/2024 09:00:45	0.750	0.750	4.000
3/21/2024 08:44:31	0.900	0.450	4.000
3/20/2024 09:03:42	1.350	0.650	2.950
3/19/2024 13:23:15	1.250	0.750	3.650
3/19/2024 09:31:32	0.950	0.500	3.450
3/18/2024 10:47:35	1.150	0.550	3.550
3/15/2024 09:19:25	1.700	1.000	5.050
3/14/2024 09:13:05	1.100	0.750	4.050
3/13/2024 09:22:30	1.700	0.850	3.850
3/12/2024 09:10:39	0.850	0.700	3.750
3/11/2024 11:07:32	1.650	0.850	4.300
3/11/2024 09:31:05	1.450	0.850	4.850
3/11/2024 09:27:33	1.950	0.500	4.700
3/8/2024 08:29:13	1.800	0.650	4.350
3/7/2024 17:46:09	1.250	1.050	4.550

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
3/7/2024 13:19:13	0.950	0.650	4.750
3/7/2024 09:28:32	2.150	1.000	4.900
3/7/2024 09:11:32	1.200	0.600	3.500
3/7/2024 09:01:08	1.250	0.700	4.350
3/6/2024 10:19:40	1.600	0.500	4.550
3/5/2024 10:15:16	45.151	868.764	0.250
3/5/2024 10:09:01	0.450	0.100	0.150
3/4/2024 11:41:00	1.650	1.000	4.400
3/4/2024 11:28:21	1.900	1.700	7.550
3/1/2024 08:43:28	1.850	1.100	5.400
2/29/2024 10:38:23	1.350	0.800	4.500
2/29/2024 10:00:25	0.850	0.450	1.150
2/29/2024 09:54:15	0.900	0.350	1.300
2/28/2024 09:32:01	1.250	0.700	3.350
2/27/2024 09:16:47	1.000	0.700	3.200
2/26/2024 10:30:35	1.750	0.700	5.350
2/26/2024 10:00:21	2.150	0.700	5.850
2/23/2024 09:07:38	1.300	0.550	3.600
2/22/2024 08:58:48	1.150	0.850	4.300
2/21/2024 09:51:13	1.000	0.650	3.750
2/20/2024 09:59:52	1.100	1.250	3.900
2/19/2024 11:30:32	1.150	0.400	3.700
2/19/2024 11:27:00	1.800	0.500	3.150
2/19/2024 10:16:07	1.100	0.750	4.100
2/16/2024 10:28:26	1.650	0.950	5.150
2/15/2024 09:20:58	1.850	0.850	5.350
2/14/2024 09:20:12	2.050	1.150	5.600
2/13/2024 10:44:41	1.700	1.150	5.800
2/13/2024 10:29:18	1.550	0.800	2.700
2/12/2024 11:24:46	1.300	0.400	3.900
2/12/2024 11:09:08	0.150	0.150	0.350
2/12/2024 10:33:45	0.450	2.300	0.100
2/12/2024 10:19:52	1.550	0.400	1.250
2/12/2024 10:03:02	0.150	0.050	0.200
2/9/2024 09:43:26	1.600	0.400	3.200
2/8/2024 09:41:08	1.600	0.800	3.200
2/7/2024 09:08:34	1.200	0.550	3.550
2/6/2024 10:08:14	1.650	1.550	4.100
2/5/2024 16:27:35	1.100	0.550	3.400
2/2/2024 09:52:22	1.250	0.600	5.350
2/1/2024 09:29:20	1.000	0.550	5.000

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/31/2024 11:01:25	1.300	0.650	4.650
1/31/2024 10:56:52	1.200	0.800	5.700
1/30/2024 09:04:33	0.900	0.650	5.400
1/29/2024 09:09:33	1.100	0.650	4.000
1/26/2024 10:08:59	1.450	1.050	5.000
1/25/2024 09:54:25	1.350	0.850	3.950
1/24/2024 08:52:40	1.300	0.900	3.900
1/23/2024 11:08:41	1.000	0.900	3.450
1/22/2024 09:17:23	1.300	0.800	5.500
1/22/2024 09:06:26	1.750	0.650	4.050
1/19/2024 09:01:45	1.750	1.000	4.000
1/18/2024 10:29:20	1.250	0.650	3.600
1/17/2024 08:52:45	1.550	0.650	4.250
1/16/2024 14:09:54	1.450	0.650	4.150
1/16/2024 13:58:35	1.450	0.800	3.350
1/16/2024 13:45:11	1.050	0.600	3.600
1/15/2024 13:03:28	0.750	0.200	0.700
1/15/2024 10:46:25	0.800	0.100	0.400
1/15/2024 10:34:05	0.800	0.100	0.750
1/15/2024 10:25:28	1.350	0.150	0.800
1/15/2024 09:48:32	0.950	0.250	0.450
1/15/2024 09:32:45	1.050	0.350	0.600
1/11/2024 14:10:39	0.900	0.150	0.200
1/11/2024 14:00:32	0.700	0.050	0.250
1/11/2024 13:07:14	0.600	0.150	0.250
1/11/2024 12:18:32	0.550	0.050	0.400
1/11/2024 10:36:51	0.450	0.100	0.250
1/11/2024 10:28:26	0.550	0.050	0.200
1/11/2024 09:11:58	0.300	0.150	0.500
1/11/2024 09:02:27	0.700	0.200	0.500
1/11/2024 08:54:00	0.450	0.100	0.600
1/10/2024 09:10:40	1.400	1.000	4.400
1/9/2024 12:58:05	2.000	0.800	4.900
1/9/2024 12:49:35	1.200	0.450	1.750
1/9/2024 12:37:33	0.000	0.050	0.200
1/9/2024 12:22:55	0.050	0.050	0.000
1/9/2024 12:00:03	0.000	0.050	0.100
1/9/2024 11:54:42	0.000	0.000	0.050
1/9/2024 11:45:17	0.100	0.000	0.050
1/9/2024 11:40:53	0.050	0.000	0.050
1/9/2024 11:25:08	0.450	0.050	0.200

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/9/2024 11:20:04	0.250	0.100	0.200
1/8/2024 13:49:37	0.950	0.550	2.650
1/8/2024 12:34:48	0.350	0.150	0.600
1/8/2024 12:30:18	0.250	0.300	0.450
1/5/2024 09:35:49	1.250	0.450	3.900
1/4/2024 09:13:21	1.100	0.750	4.350
1/4/2024 09:00:57	1.400	0.450	2.950
1/3/2024 08:46:17	1.250	0.600	3.200
1/2/2024 11:16:48	1.350	0.300	2.800
1/2/2024 10:38:17	1.250	0.800	2.900
12/29/2023 10:12:49	0.850	0.500	3.100
12/28/2023 08:59:35	1.000	0.800	3.550
12/27/2023 12:20:02	1.000	0.600	3.150
12/27/2023 11:34:32	0.800	0.650	3.450
12/27/2023 10:51:04	1.000	0.800	3.000
12/27/2023 10:41:08	1.200	0.400	3.400
12/27/2023 10:33:50	1.500	0.650	3.500
12/27/2023 10:28:28	0.950	0.600	3.300
12/22/2023 07:49:52	0.850	0.450	2.400
12/21/2023 08:44:43	1.050	0.450	2.150
12/20/2023 09:26:41	0.600	0.350	3.500
12/19/2023 09:55:37	1.150	0.550	2.600
12/18/2023 10:16:18	0.700	0.400	2.100
12/18/2023 10:06:38	0.900	0.150	2.400
12/18/2023 10:00:26	1.150	0.200	2.950
12/15/2023 09:45:55	1.000	0.800	3.050
12/14/2023 10:23:15	0.350	0.850	2.950
12/13/2023 10:17:40	0.650	0.250	2.800
12/12/2023 09:56:00	0.950	0.600	2.700
12/11/2023 10:31:48	1.350	0.200	2.550
12/8/2023 10:10:39	0.950	0.600	3.250
12/7/2023 09:51:50	0.850	0.300	2.550
12/6/2023 10:12:37	1.050	0.750	3.550
12/5/2023 10:02:14	0.600	0.450	1.750
12/4/2023 12:08:53	0.600	0.300	2.500
12/4/2023 11:24:17	0.350	0.200	1.300
12/4/2023 11:20:06	0.500	0.250	0.850
12/4/2023 11:16:06	0.150	0.500	1.150
12/4/2023 10:23:39	0.300	0.150	1.400
12/4/2023 10:16:55	0.300	0.350	0.950
12/4/2023 10:09:27	0.400	0.300	1.100

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/1/2023 09:45:19	0.550	0.500	1.500
11/30/2023 11:48:17	0.450	0.350	1.950
11/30/2023 11:13:01	0.450	0.100	1.200
11/30/2023 11:05:44	0.500	0.050	1.150
11/30/2023 10:33:46	0.150	0.200	0.700
11/29/2023 10:04:26	0.850	0.450	2.200
11/29/2023 09:51:22	0.750	0.300	2.400
11/28/2023 12:50:37	1.000	0.550	2.650
11/28/2023 12:18:55	0.800	0.700	3.500
11/28/2023 12:15:04	0.500	0.450	3.050
11/28/2023 11:49:24	0.900	0.450	3.200
11/28/2023 10:22:53	0.650	0.350	1.800
11/28/2023 10:19:03	0.550	0.400	1.950
11/28/2023 10:15:20	0.200	0.200	1.650
11/28/2023 09:59:37	0.250	0.200	1.500
11/27/2023 10:28:48	0.300	0.200	1.850
11/27/2023 10:07:16	0.300	0.100	1.500
11/27/2023 10:01:25	0.500	0.150	1.150
11/27/2023 09:52:06	0.500	0.150	1.250
11/22/2023 09:50:47	0.500	0.300	1.700
11/21/2023 09:52:05	0.650	0.250	1.200
11/20/2023 09:38:08	0.200	0.350	1.450
11/17/2023 10:07:38	0.250	0.100	2.450
11/16/2023 09:42:56	0.350	0.350	2.750
11/15/2023 13:01:45	0.550	0.100	1.700
11/15/2023 12:33:52	0.350	0.250	0.900
11/15/2023 12:27:35	0.150	0.250	1.300
11/15/2023 12:17:35	0.400	0.200	0.900
11/15/2023 12:09:42	0.450	0.150	1.350
11/15/2023 10:39:09	0.200	0.100	1.150
11/14/2023 10:25:03	1.600	0.750	4.550
11/13/2023 09:42:07	1.000	0.350	3.300
11/10/2023 09:15:37	0.950	0.650	3.000
11/9/2023 09:55:52	0.850	0.450	2.800
11/8/2023 09:55:56	1.100	0.450	3.550
11/7/2023 10:07:52	1.150	0.800	3.850
11/7/2023 10:01:12	0.750	0.350	2.550
11/7/2023 09:55:11	1.000	0.350	3.150
11/6/2023 10:21:52	1.450	0.800	3.700
11/3/2023 09:44:39	1.250	0.600	4.000
11/2/2023 09:56:11	1.350	0.500	3.200

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/1/2023 09:41:33	1.550	0.700	4.000

Tune Parameters

Created Date	Extract 1	Extract 2	Omega Bias
12/6/2024 08:11:53	0.0 V	-190.0 V	-90 V
12/5/2024 07:45:15	0.0 V	-195.0 V	-100 V
12/4/2024 08:35:28	0.0 V	-195.0 V	-100 V
12/3/2024 09:38:46	0.0 V	-195.0 V	-100 V
12/3/2024 09:10:25	0.0 V	-195.0 V	-100 V
12/2/2024 09:48:14	0.0 V	-200.0 V	-110 V
11/27/2024 09:18:02	0.0 V	-190.0 V	-110 V
11/27/2024 08:40:33	0.0 V	-185.0 V	-110 V
11/26/2024 07:52:41	0.0 V	-185.0 V	-110 V
11/25/2024 10:52:38	0.0 V	-170.0 V	-110 V
11/25/2024 08:43:09	0.0 V	-190.0 V	-110 V
11/25/2024 08:31:48	0.0 V	-195.0 V	-110 V
11/22/2024 06:29:21	0.0 V	-180.0 V	-110 V
11/21/2024 10:07:26	0.0 V	-185.0 V	-110 V
11/21/2024 09:58:26	0.0 V	-170.0 V	-110 V
11/21/2024 09:53:21	0.0 V	-170.0 V	-110 V
11/20/2024 08:50:13	0.0 V	-180.0 V	-90 V
11/19/2024 09:07:39	0.0 V	-190.0 V	-90 V
11/18/2024 09:11:09	0.0 V	-195.0 V	-100 V
11/15/2024 09:02:37	0.0 V	-200.0 V	-110 V
11/14/2024 09:56:47	0.0 V	-185.0 V	-100 V
11/14/2024 09:44:41	0.0 V	-190.0 V	-100 V
11/14/2024 09:39:59	0.0 V	-190.0 V	-100 V
11/14/2024 09:21:41	0.0 V	-200.0 V	-100 V
11/14/2024 09:16:53	0.0 V	-200.0 V	-100 V
11/13/2024 10:17:19	0.0 V	-185.0 V	-100 V
11/12/2024 08:42:23	0.0 V	-195.0 V	-100 V
11/12/2024 08:34:20	0.0 V	-200.0 V	-120 V
11/11/2024 09:46:29	0.0 V	-185.0 V	-100 V
11/11/2024 09:31:26	0.0 V	-190.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
11/11/2024 09:09:19	0.0 V	-190.0 V	-100 V
11/8/2024 09:40:41	0.0 V	-170.0 V	-100 V
11/7/2024 12:08:43	0.0 V	-155.0 V	-90 V
11/7/2024 12:03:35	0.0 V	-155.0 V	-90 V
11/7/2024 11:08:15	0.0 V	-160.0 V	-90 V
11/7/2024 10:32:04	0.0 V	-140.0 V	-80 V
11/7/2024 10:13:44	0.0 V	-140.0 V	-70 V
11/7/2024 09:49:05	0.0 V	-175.0 V	-100 V
11/6/2024 08:55:41	0.0 V	-200.0 V	-100 V
11/5/2024 09:02:15	0.0 V	-200.0 V	-100 V
11/4/2024 09:59:50	0.0 V	-200.0 V	-100 V
11/4/2024 09:42:34	0.0 V	-200.0 V	-100 V
11/4/2024 09:13:54	0.0 V	-185.0 V	-100 V
11/1/2024 08:59:46	0.0 V	-180.0 V	-90 V
10/31/2024 09:14:27	0.0 V	-195.0 V	-90 V
10/30/2024 16:33:14	0.0 V	-200.0 V	-100 V
10/30/2024 11:25:36	0.0 V	-200.0 V	-110 V
10/30/2024 10:54:46	0.0 V	-195.0 V	-110 V
10/30/2024 09:09:15	0.0 V	-185.0 V	-110 V
10/29/2024 11:26:39	0.0 V	-200.0 V	-100 V
10/29/2024 10:54:54	0.0 V	-200.0 V	-110 V
10/29/2024 09:36:05	0.0 V	-195.0 V	-110 V
10/29/2024 09:04:30	0.0 V	-190.0 V	-110 V
10/28/2024 12:26:28	0.0 V	-195.0 V	-100 V
10/28/2024 09:57:52	0.0 V	-180.0 V	-90 V
10/25/2024 13:22:08	0.0 V	-185.0 V	-100 V
10/25/2024 13:09:08	0.0 V	-175.0 V	-100 V
10/25/2024 10:35:56	0.0 V	-165.0 V	-70 V
10/25/2024 09:26:45	0.0 V	-145.0 V	-70 V
10/25/2024 09:03:40	0.0 V	-140.0 V	-70 V
10/24/2024 17:10:08	0.0 V	-185.0 V	-90 V
10/24/2024 11:19:48	0.0 V	-200.0 V	-90 V
10/24/2024 08:53:34	0.0 V	-200.0 V	-90 V
10/23/2024 08:59:04	0.0 V	-195.0 V	-90 V
10/22/2024 09:55:36	0.0 V	-185.0 V	-90 V
10/21/2024 09:31:04	0.0 V	-180.0 V	-90 V
10/18/2024 09:37:11	0.0 V	-200.0 V	-90 V
10/17/2024 09:00:58	0.0 V	-195.0 V	-80 V
10/16/2024 11:21:27	0.0 V	-195.0 V	-90 V
10/16/2024 09:02:59	0.0 V	-200.0 V	-100 V
10/15/2024 10:12:35	0.0 V	-175.0 V	-80 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
10/14/2024 08:46:09	0.0 V	-185.0 V	-80 V
10/11/2024 08:49:47	0.0 V	-190.0 V	-80 V
10/10/2024 08:52:01	0.0 V	-190.0 V	-80 V
10/9/2024 08:27:16	0.0 V	-195.0 V	-80 V
10/8/2024 10:52:55	0.0 V	-195.0 V	-80 V
10/8/2024 09:47:42	0.0 V	-170.0 V	-80 V
10/7/2024 10:47:10	0.0 V	-185.0 V	-80 V
10/7/2024 09:10:56	0.0 V	-180.0 V	-80 V
10/7/2024 08:55:15	0.0 V	-180.0 V	-80 V
10/4/2024 09:16:15	0.0 V	-190.0 V	-90 V
10/3/2024 09:27:44	0.0 V	-195.0 V	-80 V
10/3/2024 08:49:43	0.0 V	-195.0 V	-90 V
10/3/2024 08:29:02	0.0 V	-180.0 V	-80 V
10/2/2024 11:08:13	0.0 V	-200.0 V	-80 V
10/2/2024 08:39:41	0.0 V	-195.0 V	-90 V
10/1/2024 10:14:04	0.0 V	-175.0 V	-80 V
9/30/2024 08:49:31	0.0 V	-175.0 V	-80 V
9/27/2024 08:14:47	0.0 V	-200.0 V	-100 V
9/26/2024 08:09:12	0.0 V	-195.0 V	-90 V
9/25/2024 09:11:08	0.0 V	-200.0 V	-80 V
9/24/2024 09:35:48	0.0 V	-175.0 V	-80 V
9/23/2024 09:00:30	0.0 V	-180.0 V	-80 V
9/20/2024 09:05:28	0.0 V	-195.0 V	-80 V
9/19/2024 09:00:53	0.0 V	-195.0 V	-90 V
9/18/2024 11:34:33	0.0 V	-190.0 V	-80 V
9/18/2024 09:06:37	0.0 V	-185.0 V	-80 V
9/17/2024 12:16:40	0.0 V	-180.0 V	-80 V
9/17/2024 10:09:01	0.0 V	-170.0 V	-80 V
9/16/2024 09:06:13	0.0 V	-190.0 V	-80 V
9/13/2024 16:50:14	0.0 V	-200.0 V	-90 V
9/13/2024 08:54:29	0.0 V	-195.0 V	-80 V
9/12/2024 08:56:53	0.0 V	-190.0 V	-80 V
9/11/2024 09:06:29	0.0 V	-195.0 V	-80 V
9/10/2024 09:46:13	0.0 V	-165.0 V	-80 V
9/9/2024 08:47:13	0.0 V	-160.0 V	-70 V
9/9/2024 08:34:46	0.0 V	-155.0 V	-70 V
9/6/2024 08:58:38	0.0 V	-160.0 V	-70 V
9/5/2024 08:40:15	0.0 V	-165.0 V	-70 V
9/4/2024 08:38:45	0.0 V	-165.0 V	-70 V
9/3/2024 12:05:58	0.0 V	-170.0 V	-70 V
9/3/2024 11:05:58	0.0 V	-165.0 V	-70 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
9/3/2024 08:41:14	0.0 V	-200.0 V	-90 V
8/30/2024 08:41:51	0.0 V	-195.0 V	-90 V
8/29/2024 17:44:51	0.0 V	-190.0 V	-80 V
8/29/2024 10:01:21	0.0 V	-165.0 V	-80 V
8/28/2024 08:40:35	0.0 V	-185.0 V	-80 V
8/27/2024 08:32:46	0.0 V	-200.0 V	-80 V
8/26/2024 10:42:47	0.0 V	-185.0 V	-100 V
8/23/2024 09:05:16	0.0 V	-140.0 V	-70 V
8/22/2024 08:43:54	0.0 V	-160.0 V	-70 V
8/21/2024 08:04:13	0.0 V	-200.0 V	-80 V
8/20/2024 09:20:37	0.0 V	-190.0 V	-100 V
8/19/2024 10:25:21	0.0 V	-185.0 V	-80 V
8/19/2024 09:17:03	0.0 V	-165.0 V	-80 V
8/16/2024 08:56:38	0.0 V	-180.0 V	-80 V
8/15/2024 08:28:01	0.0 V	-165.0 V	-80 V
8/14/2024 08:24:41	0.0 V	-175.0 V	-80 V
8/13/2024 08:51:41	0.0 V	-185.0 V	-80 V
8/12/2024 09:10:43	0.0 V	-160.0 V	-80 V
8/12/2024 08:57:52	0.0 V	-180.0 V	-80 V
8/9/2024 11:39:50	0.0 V	-195.0 V	-90 V
8/9/2024 10:08:20	0.0 V	-195.0 V	-90 V
8/8/2024 08:40:39	0.0 V	-195.0 V	-90 V
8/7/2024 09:19:16	0.0 V	-195.0 V	-90 V
8/6/2024 11:12:44	0.0 V	-200.0 V	-80 V
8/6/2024 10:53:38	0.0 V	-200.0 V	-80 V
8/5/2024 10:40:17	0.0 V	-200.0 V	-80 V
8/5/2024 10:09:19	0.0 V	-200.0 V	-90 V
8/5/2024 09:55:23	0.0 V	-195.0 V	-90 V
8/2/2024 09:40:16	0.0 V	-190.0 V	-90 V
8/2/2024 08:37:48	0.0 V	-190.0 V	-90 V
8/1/2024 10:38:00	0.0 V	-180.0 V	-90 V
8/1/2024 09:06:45	0.0 V	-175.0 V	-90 V
7/31/2024 08:13:58	0.0 V	-185.0 V	-90 V
7/30/2024 08:50:51	0.0 V	-180.0 V	-90 V
7/29/2024 16:06:05	0.0 V	-190.0 V	-90 V
7/29/2024 12:07:28	0.0 V	-195.0 V	-90 V
7/29/2024 11:14:31	0.0 V	-195.0 V	-100 V
7/29/2024 10:15:21	0.0 V	-180.0 V	-90 V
7/26/2024 08:53:52	0.0 V	-190.0 V	-90 V
7/25/2024 09:09:23	0.0 V	-165.0 V	-90 V
7/24/2024 15:10:09	0.0 V	-185.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
7/24/2024 08:46:25	0.0 V	-180.0 V	-90 V
7/23/2024 09:32:54	0.0 V	-180.0 V	-90 V
7/22/2024 10:18:30	0.0 V	-185.0 V	-90 V
7/19/2024 08:55:06	0.0 V	-190.0 V	-90 V
7/18/2024 09:06:31	0.0 V	-175.0 V	-90 V
7/17/2024 13:03:52	0.0 V	-185.0 V	-90 V
7/17/2024 08:53:29	0.0 V	-185.0 V	-90 V
7/16/2024 08:54:03	0.0 V	-190.0 V	-90 V
7/15/2024 10:39:29	0.0 V	-195.0 V	-90 V
7/15/2024 10:30:38	0.0 V	-180.0 V	-90 V
7/15/2024 10:13:57	0.0 V	-180.0 V	-90 V
7/15/2024 09:02:48	0.0 V	-185.0 V	-90 V
7/12/2024 08:34:22	0.0 V	-175.0 V	-90 V
7/11/2024 09:57:22	0.0 V	-180.0 V	-80 V
7/10/2024 08:53:17	0.0 V	-150.0 V	-70 V
7/9/2024 11:54:06	0.0 V	-155.0 V	-70 V
7/9/2024 11:32:31	0.0 V	-155.0 V	-70 V
7/9/2024 11:26:38	0.0 V	-155.0 V	-70 V
7/9/2024 10:39:16	0.0 V	-155.0 V	-70 V
7/9/2024 09:17:46	0.0 V	-155.0 V	-70 V
7/9/2024 08:57:06	0.0 V	-140.0 V	-70 V
7/8/2024 09:21:55	0.0 V	-165.0 V	-80 V
7/8/2024 09:16:31	0.0 V	-160.0 V	-80 V
7/5/2024 09:03:10	0.0 V	-200.0 V	-90 V
7/3/2024 13:05:52	0.0 V	-195.0 V	-100 V
7/3/2024 11:25:40	0.0 V	-195.0 V	-90 V
7/3/2024 09:13:37	0.0 V	-195.0 V	-90 V
7/3/2024 08:44:49	0.0 V	-170.0 V	-90 V
7/2/2024 10:26:17	0.0 V	-170.0 V	-90 V
7/2/2024 08:58:12	0.0 V	-170.0 V	-90 V
7/1/2024 14:16:19	0.0 V	-190.0 V	-90 V
7/1/2024 10:01:10	0.0 V	-195.0 V	-90 V
6/28/2024 08:25:22	0.0 V	-195.0 V	-90 V
6/27/2024 08:34:14	0.0 V	-195.0 V	-90 V
6/27/2024 08:11:22	0.0 V	-175.0 V	-90 V
6/26/2024 07:54:24	0.0 V	-175.0 V	-90 V
6/25/2024 09:02:17	0.0 V	-190.0 V	-90 V
6/24/2024 09:30:27	0.0 V	-190.0 V	-90 V
6/21/2024 08:55:34	0.0 V	-200.0 V	-90 V
6/21/2024 08:22:44	0.0 V	-170.0 V	-90 V
6/20/2024 09:00:43	0.0 V	-170.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
6/19/2024 07:51:31	0.0 V	-175.0 V	-90 V
6/18/2024 07:52:20	0.0 V	-175.0 V	-90 V
6/17/2024 08:58:45	0.0 V	-175.0 V	-90 V
6/14/2024 08:44:27	0.0 V	-195.0 V	-90 V
6/13/2024 08:42:30	0.0 V	-200.0 V	-100 V
6/12/2024 09:03:47	0.0 V	-200.0 V	-100 V
6/11/2024 08:44:40	0.0 V	-185.0 V	-100 V
6/10/2024 09:31:51	0.0 V	-170.0 V	-90 V
6/10/2024 09:17:04	0.0 V	-165.0 V	-90 V
6/10/2024 09:10:07	0.0 V	-165.0 V	-90 V
6/7/2024 09:02:38	0.0 V	-165.0 V	-90 V
6/6/2024 15:20:20	0.0 V	-165.0 V	-90 V
6/6/2024 05:03:01	0.0 V	-190.0 V	-90 V
6/6/2024 04:59:28	0.0 V	-190.0 V	-90 V
6/5/2024 08:30:26	0.0 V	-190.0 V	-90 V
6/4/2024 08:52:51	0.0 V	-200.0 V	-90 V
6/4/2024 08:39:35	0.0 V	-200.0 V	-100 V
6/4/2024 08:33:37	0.0 V	-200.0 V	-100 V
6/3/2024 10:10:17	0.0 V	-200.0 V	-100 V
6/3/2024 09:51:43	0.0 V	-175.0 V	-100 V
6/3/2024 09:44:54	0.0 V	-175.0 V	-100 V
6/3/2024 09:30:49	0.0 V	-175.0 V	-100 V
5/31/2024 08:42:32	0.0 V	-200.0 V	-100 V
5/30/2024 09:08:46	0.0 V	-200.0 V	-100 V
5/29/2024 09:04:40	0.0 V	-200.0 V	-100 V
5/29/2024 08:48:40	0.0 V	-170.0 V	-80 V
5/29/2024 08:44:08	0.0 V	-170.0 V	-80 V
5/28/2024 09:34:37	0.0 V	-170.0 V	-80 V
5/24/2024 07:20:01	0.0 V	-200.0 V	-90 V
5/23/2024 10:25:13	0.0 V	-200.0 V	-90 V
5/22/2024 09:45:06	0.0 V	-200.0 V	-90 V
5/21/2024 09:06:58	0.0 V	-200.0 V	-90 V
5/21/2024 08:01:17	0.0 V	-200.0 V	-100 V
5/20/2024 17:22:27	0.0 V	-200.0 V	-100 V
5/20/2024 17:18:56	0.0 V	-200.0 V	-100 V
5/20/2024 09:20:56	0.0 V	-200.0 V	-100 V
5/17/2024 09:12:39	0.0 V	-200.0 V	-100 V
5/16/2024 08:56:23	0.0 V	-200.0 V	-100 V
5/15/2024 09:38:13	0.0 V	-200.0 V	-100 V
5/15/2024 09:21:01	0.0 V	-190.0 V	-90 V
5/14/2024 09:41:16	0.0 V	-190.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
5/14/2024 09:04:40	0.0 V	-190.0 V	-90 V
5/13/2024 09:04:44	0.0 V	-190.0 V	-90 V
5/10/2024 08:57:17	0.0 V	-190.0 V	-90 V
5/9/2024 09:06:46	0.0 V	-190.0 V	-90 V
5/9/2024 08:50:21	0.0 V	-190.0 V	-90 V
5/9/2024 08:44:20	0.0 V	-190.0 V	-90 V
5/8/2024 09:39:10	0.0 V	-190.0 V	-90 V
5/7/2024 17:05:39	0.0 V	-195.0 V	-100 V
5/7/2024 16:48:43	0.0 V	-195.0 V	-100 V
5/7/2024 09:19:24	0.0 V	-195.0 V	-100 V
5/6/2024 09:15:59	0.0 V	-195.0 V	-100 V
5/6/2024 09:03:10	0.0 V	-195.0 V	-100 V
5/3/2024 09:11:06	0.0 V	-195.0 V	-100 V
5/2/2024 09:48:24	0.0 V	-190.0 V	-100 V
5/1/2024 09:22:54	0.0 V	-185.0 V	-100 V
4/30/2024 10:43:56	0.0 V	-185.0 V	-100 V
4/30/2024 08:17:01	0.0 V	-185.0 V	-100 V
4/29/2024 09:10:57	0.0 V	-185.0 V	-100 V
4/29/2024 08:57:45	0.0 V	-185.0 V	-100 V
4/26/2024 08:09:31	0.0 V	-185.0 V	-100 V
4/25/2024 09:37:51	0.0 V	-185.0 V	-100 V
4/24/2024 09:17:24	0.0 V	-195.0 V	-100 V
4/23/2024 22:46:11	0.0 V	-195.0 V	-100 V
4/23/2024 09:01:59	0.0 V	-195.0 V	-100 V
4/22/2024 10:16:34	0.0 V	-195.0 V	-100 V
4/19/2024 10:59:00	0.0 V	-200.0 V	-100 V
4/19/2024 10:07:48	0.0 V	-200.0 V	-110 V
4/19/2024 09:10:32	0.0 V	-180.0 V	-100 V
4/18/2024 09:24:23	0.0 V	-180.0 V	-100 V
4/17/2024 17:03:53	0.0 V	-180.0 V	-100 V
4/17/2024 16:22:27	0.0 V	-180.0 V	-100 V
4/17/2024 09:09:54	0.0 V	-180.0 V	-100 V
4/16/2024 09:06:44	0.0 V	-200.0 V	-100 V
4/15/2024 09:14:49	0.0 V	-200.0 V	-100 V
4/12/2024 08:28:21	0.0 V	-200.0 V	-100 V
4/11/2024 08:35:01	0.0 V	-200.0 V	-100 V
4/10/2024 09:48:58	0.0 V	-195.0 V	-100 V
4/9/2024 08:56:49	0.0 V	-195.0 V	-100 V
4/8/2024 09:25:48	0.0 V	-195.0 V	-100 V
4/5/2024 08:28:47	0.0 V	-195.0 V	-100 V
4/4/2024 11:00:01	0.0 V	-190.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
4/4/2024 10:45:12	0.0 V	-200.0 V	-90 V
4/3/2024 08:29:42	0.0 V	-200.0 V	-90 V
4/2/2024 09:43:44	0.0 V	-195.0 V	-90 V
4/1/2024 09:27:15	0.0 V	-195.0 V	-90 V
3/29/2024 08:53:28	0.0 V	-195.0 V	-90 V
3/28/2024 09:08:20	0.0 V	-195.0 V	-90 V
3/27/2024 16:48:32	0.0 V	-195.0 V	-90 V
3/27/2024 10:07:18	0.0 V	-195.0 V	-90 V
3/27/2024 08:49:30	0.0 V	-195.0 V	-90 V
3/26/2024 10:28:06	0.0 V	-195.0 V	-90 V
3/25/2024 10:10:30	0.0 V	-200.0 V	-100 V
3/22/2024 09:00:45	0.0 V	-190.0 V	-100 V
3/21/2024 08:44:31	0.0 V	-190.0 V	-100 V
3/20/2024 09:03:42	0.0 V	-190.0 V	-100 V
3/19/2024 13:23:15	0.0 V	-190.0 V	-100 V
3/19/2024 09:31:32	0.0 V	-190.0 V	-100 V
3/18/2024 10:47:35	0.0 V	-190.0 V	-100 V
3/15/2024 09:19:25	0.0 V	-200.0 V	-90 V
3/14/2024 09:13:05	0.0 V	-200.0 V	-90 V
3/13/2024 09:22:30	0.0 V	-200.0 V	-90 V
3/12/2024 09:10:39	0.0 V	-200.0 V	-90 V
3/11/2024 11:07:32	0.0 V	-200.0 V	-90 V
3/11/2024 09:31:05	0.0 V	-195.0 V	-100 V
3/11/2024 09:27:33	0.0 V	-195.0 V	-100 V
3/8/2024 08:29:13	0.0 V	-200.0 V	-100 V
3/7/2024 17:46:09	0.0 V	-200.0 V	-100 V
3/7/2024 13:19:13	0.0 V	-200.0 V	-100 V
3/7/2024 09:28:32	0.0 V	-200.0 V	-100 V
3/7/2024 09:11:32	0.0 V	-200.0 V	-100 V
3/7/2024 09:01:08	0.0 V	-200.0 V	-100 V
3/6/2024 10:19:40	0.0 V	-200.0 V	-100 V
3/5/2024 10:15:16	0.0 V	-200.0 V	-100 V
3/5/2024 10:09:01	0.0 V	-200.0 V	-100 V
3/4/2024 11:41:00	0.0 V	-200.0 V	-100 V
3/4/2024 11:28:21	0.0 V	-200.0 V	-100 V
3/1/2024 08:43:28	0.0 V	-200.0 V	-120 V
2/29/2024 10:38:23	0.0 V	-200.0 V	-120 V
2/29/2024 10:00:25	0.0 V	-160.0 V	-110 V
2/29/2024 09:54:15	0.0 V	-160.0 V	-110 V
2/28/2024 09:32:01	0.0 V	-200.0 V	-100 V
2/27/2024 09:16:47	0.0 V	-200.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
2/26/2024 10:30:35	0.0 V	-200.0 V	-100 V
2/26/2024 10:00:21	0.0 V	-200.0 V	-110 V
2/23/2024 09:07:38	0.0 V	-200.0 V	-110 V
2/22/2024 08:58:48	0.0 V	-200.0 V	-110 V
2/21/2024 09:51:13	0.0 V	-200.0 V	-110 V
2/20/2024 09:59:52	0.0 V	-200.0 V	-110 V
2/19/2024 11:30:32	0.0 V	-200.0 V	-110 V
2/19/2024 11:27:00	0.0 V	-200.0 V	-110 V
2/19/2024 10:16:07	0.0 V	-200.0 V	-120 V
2/16/2024 10:28:26	0.0 V	-200.0 V	-120 V
2/15/2024 09:20:58	0.0 V	-200.0 V	-120 V
2/14/2024 09:20:12	0.0 V	-200.0 V	-120 V
2/13/2024 10:44:41	0.0 V	-200.0 V	-120 V
2/13/2024 10:29:18	0.0 V	-200.0 V	-120 V
2/12/2024 11:24:46	0.0 V	-200.0 V	-120 V
2/12/2024 11:09:08	0.0 V	-175.0 V	-120 V
2/12/2024 10:33:45	0.0 V	-175.0 V	-120 V
2/12/2024 10:19:52	0.0 V	-175.0 V	-120 V
2/12/2024 10:03:02	0.0 V	-200.0 V	-100 V
2/9/2024 09:43:26	0.0 V	-200.0 V	-100 V
2/8/2024 09:41:08	0.0 V	-200.0 V	-100 V
2/7/2024 09:08:34	0.0 V	-200.0 V	-100 V
2/6/2024 10:08:14	0.0 V	-200.0 V	-100 V
2/5/2024 16:27:35	0.0 V	-200.0 V	-120 V
2/2/2024 09:52:22	0.0 V	-200.0 V	-90 V
2/1/2024 09:29:20	0.0 V	-200.0 V	-90 V
1/31/2024 11:01:25	0.0 V	-200.0 V	-90 V
1/31/2024 10:56:52	0.0 V	-200.0 V	-90 V
1/30/2024 09:04:33	0.0 V	-200.0 V	-90 V
1/29/2024 09:09:33	0.0 V	-200.0 V	-90 V
1/26/2024 10:08:59	0.0 V	-200.0 V	-90 V
1/25/2024 09:54:25	0.0 V	-200.0 V	-90 V
1/24/2024 08:52:40	0.0 V	-200.0 V	-90 V
1/23/2024 11:08:41	0.0 V	-200.0 V	-90 V
1/22/2024 09:17:23	0.0 V	-200.0 V	-90 V
1/22/2024 09:06:26	0.0 V	-200.0 V	-100 V
1/19/2024 09:01:45	0.0 V	-200.0 V	-100 V
1/18/2024 10:29:20	0.0 V	-200.0 V	-100 V
1/17/2024 08:52:45	0.0 V	-200.0 V	-100 V
1/16/2024 14:09:54	0.0 V	-200.0 V	-100 V
1/16/2024 13:58:35	0.0 V	-200.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
1/16/2024 13:45:11	0.0 V	-200.0 V	-100 V
1/15/2024 13:03:28	0.0 V	-200.0 V	-120 V
1/15/2024 10:46:25	0.0 V	-200.0 V	-120 V
1/15/2024 10:34:05	0.0 V	-200.0 V	-120 V
1/15/2024 10:25:28	0.0 V	-200.0 V	-120 V
1/15/2024 09:48:32	0.0 V	-200.0 V	-120 V
1/15/2024 09:32:45	0.0 V	-200.0 V	-120 V
1/11/2024 14:10:39	0.0 V	-200.0 V	-120 V
1/11/2024 14:00:32	0.0 V	-200.0 V	-120 V
1/11/2024 13:07:14	0.0 V	-200.0 V	-120 V
1/11/2024 12:18:32	0.0 V	-200.0 V	-120 V
1/11/2024 10:36:51	0.0 V	-200.0 V	-120 V
1/11/2024 10:28:26	0.0 V	-185.0 V	-110 V
1/11/2024 09:11:58	0.0 V	-155.0 V	-100 V
1/11/2024 09:02:27	0.0 V	-150.0 V	-80 V
1/11/2024 08:54:00	0.0 V	-150.0 V	-80 V
1/10/2024 09:10:40	0.0 V	-200.0 V	-90 V
1/9/2024 12:58:05	0.0 V	-200.0 V	-120 V
1/9/2024 12:49:35	0.0 V	-200.0 V	-120 V
1/9/2024 12:37:33	0.0 V	-165.0 V	-100 V
1/9/2024 12:22:55	0.0 V	-165.0 V	-100 V
1/9/2024 12:00:03	0.0 V	-165.0 V	-100 V
1/9/2024 11:54:42	0.0 V	-165.0 V	-100 V
1/9/2024 11:45:17	0.0 V	-165.0 V	-100 V
1/9/2024 11:40:53	0.0 V	-165.0 V	-100 V
1/9/2024 11:25:08	0.0 V	-165.0 V	-100 V
1/9/2024 11:20:04	0.0 V	-165.0 V	-100 V
1/8/2024 13:49:37	0.0 V	-200.0 V	-100 V
1/8/2024 12:34:48	0.0 V	-140.0 V	-80 V
1/8/2024 12:30:18	0.0 V	-140.0 V	-80 V
1/5/2024 09:35:49	0.0 V	-180.0 V	-80 V
1/4/2024 09:13:21	0.0 V	-170.0 V	-80 V
1/4/2024 09:00:57	0.0 V	-160.0 V	-80 V
1/3/2024 08:46:17	0.0 V	-200.0 V	-100 V
1/2/2024 11:16:48	0.0 V	-200.0 V	-90 V
1/2/2024 10:38:17	0.0 V	-200.0 V	-100 V
12/29/2023 10:12:49	0.0 V	-200.0 V	-100 V
12/28/2023 08:59:35	0.0 V	-200.0 V	-90 V
12/27/2023 12:20:02	0.0 V	-200.0 V	-90 V
12/27/2023 11:34:32	0.0 V	-200.0 V	-90 V
12/27/2023 10:51:04	0.0 V	-200.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
12/27/2023 10:41:08	0.0 V	-200.0 V	-90 V
12/27/2023 10:33:50	0.0 V	-200.0 V	-90 V
12/27/2023 10:28:28	0.0 V	-200.0 V	-90 V
12/22/2023 07:49:52	0.0 V	-195.0 V	-90 V
12/21/2023 08:44:43	0.0 V	-200.0 V	-90 V
12/20/2023 09:26:41	0.0 V	-200.0 V	-100 V
12/19/2023 09:55:37	0.0 V	-200.0 V	-100 V
12/18/2023 10:16:18	0.0 V	-200.0 V	-100 V
12/18/2023 10:06:38	0.0 V	-185.0 V	-90 V
12/18/2023 10:00:26	0.0 V	-185.0 V	-90 V
12/15/2023 09:45:55	0.0 V	-200.0 V	-90 V
12/14/2023 10:23:15	0.0 V	-200.0 V	-90 V
12/13/2023 10:17:40	0.0 V	-200.0 V	-90 V
12/12/2023 09:56:00	0.0 V	-200.0 V	-90 V
12/11/2023 10:31:48	0.0 V	-200.0 V	-90 V
12/8/2023 10:10:39	0.0 V	-200.0 V	-100 V
12/7/2023 09:51:50	0.0 V	-190.0 V	-80 V
12/6/2023 10:12:37	0.0 V	-200.0 V	-100 V
12/5/2023 10:02:14	0.0 V	-200.0 V	-80 V
12/4/2023 12:08:53	0.0 V	-180.0 V	-90 V
12/4/2023 11:24:17	0.0 V	-145.0 V	-70 V
12/4/2023 11:20:06	0.0 V	-145.0 V	-70 V
12/4/2023 11:16:06	0.0 V	-145.0 V	-70 V
12/4/2023 10:23:39	0.0 V	-145.0 V	-70 V
12/4/2023 10:16:55	0.0 V	-170.0 V	-90 V
12/4/2023 10:09:27	0.0 V	-145.0 V	-70 V
12/1/2023 09:45:19	0.0 V	-155.0 V	-80 V
11/30/2023 11:48:17	0.0 V	-155.0 V	-80 V
11/30/2023 11:13:01	0.0 V	-150.0 V	-80 V
11/30/2023 11:05:44	0.0 V	-160.0 V	-90 V
11/30/2023 10:33:46	0.0 V	-170.0 V	-90 V
11/29/2023 10:04:26	0.0 V	-195.0 V	-100 V
11/29/2023 09:51:22	0.0 V	-190.0 V	-80 V
11/28/2023 12:50:37	0.0 V	-200.0 V	-80 V
11/28/2023 12:18:55	0.0 V	-175.0 V	-80 V
11/28/2023 12:15:04	0.0 V	-175.0 V	-80 V
11/28/2023 11:49:24	0.0 V	-170.0 V	-80 V
11/28/2023 10:22:53	0.0 V	-165.0 V	-80 V
11/28/2023 10:19:03	0.0 V	-165.0 V	-80 V
11/28/2023 10:15:20	0.0 V	-165.0 V	-80 V
11/28/2023 09:59:37	0.0 V	-170.0 V	-70 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
11/27/2023 10:28:48	0.0 V	-165.0 V	-80 V
11/27/2023 10:07:16	0.0 V	-185.0 V	-100 V
11/27/2023 10:01:25	0.0 V	-185.0 V	-100 V
11/27/2023 09:52:06	0.0 V	-185.0 V	-100 V
11/22/2023 09:50:47	0.0 V	-155.0 V	-80 V
11/21/2023 09:52:05	0.0 V	-155.0 V	-80 V
11/20/2023 09:38:08	0.0 V	-150.0 V	-80 V
11/17/2023 10:07:38	0.0 V	-175.0 V	-90 V
11/16/2023 09:42:56	0.0 V	-180.0 V	-90 V
11/15/2023 13:01:45	0.0 V	-170.0 V	-90 V
11/15/2023 12:33:52	0.0 V	-175.0 V	-90 V
11/15/2023 12:27:35	0.0 V	-175.0 V	-90 V
11/15/2023 12:17:35	0.0 V	-175.0 V	-90 V
11/15/2023 12:09:42	0.0 V	-170.0 V	-90 V
11/15/2023 10:39:09	0.0 V	-175.0 V	-90 V
11/14/2023 10:25:03	0.0 V	-200.0 V	-90 V
11/13/2023 09:42:07	0.0 V	-200.0 V	-90 V
11/10/2023 09:15:37	0.0 V	-200.0 V	-90 V
11/9/2023 09:55:52	0.0 V	-200.0 V	-90 V
11/8/2023 09:55:56	0.0 V	-200.0 V	-100 V
11/7/2023 10:07:52	0.0 V	-200.0 V	-120 V
11/7/2023 10:01:12	0.0 V	-195.0 V	-90 V
11/7/2023 09:55:11	0.0 V	-195.0 V	-90 V
11/6/2023 10:21:52	0.0 V	-200.0 V	-100 V
11/3/2023 09:44:39	0.0 V	-200.0 V	-120 V
11/2/2023 09:56:11	0.0 V	-200.0 V	-90 V
11/1/2023 09:41:33	0.0 V	-195.0 V	-90 V

Internal Standards

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_241205I

CCV Name: CAL BLANK

Run No: 96128

CCV SeqNo: 2005911

Lab File ID (Standard): 003CALB.d

Date Analyzed: 12/5/2024

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 11:12

GC Column: ID (mm): Length (M):

		IS1 Lithium 6 AREA #	RT #	IS2 Scandium AREA #	RT #	IS3 Germanium AREA #	RT #	IS4 Indium AREA #	RT #
	12 HOUR STD	172255.5	0.000	108016.29	0.000	74452.81	0.000	737359.36	0.000
	UPPER LIMIT	861277.5	1.000	540081.45	1.000	372264.05	1.000	3686796.8	1.000
	LOWER LIMIT	51677	-1.000	32405	-1.000	22336	-1.000	221208	-1.000
	SAMPLE NO.								
01	ICV	153413	0	107650	0	73940.1	0	723793	0
02	ICSA	163281	0	105779	0	71527.4	0	695779	0
03	CCV-A	226366	0	113705	0	77492.9	0	757476	0
04	CCB-A	214572	0	110533	0	75929.6	0	752117	0
05	MB-46040	162843	0	111178	0	76769.5	0	756603	0
06	LCS-46040	165879	0	110923	0	76293.6	0	750666	0
07	2411524-001D	174987	0	109298	0	74826.3	0	731971	0
08	2411524-001DMS	160318	0	111145	0	76526.9	0	738580	0
09	2411524-001DMSD	156061	0	111938	0	75655.4	0	741301	0
10	2411524-001DMSDIL	150378	0	115116	0	74849	0	732617	0
11	2411524-001DPDS	149104	0	110362	0	76289.6	0	736532	0
12	CCV-B	144230	0	113832	0	76718	0	753086	0
13	CCB-B	140236	0	112472	0	76190.4	0	755488	0
14	2411524-002D	149140	0	110429	0	75361.1	0	737730	0
15	2411524-003D	146173	0	111484	0	76580.4	0	743052	0
16	2411524-004D	148753	0	110285	0	76219.1	0	748082	0
17	2411524-005D	148749	0	110653	0	76179	0	749312	0
18	2411524-006D	150008	0	109646	0	74610.4	0	721229	0
19	2411524-007D	162976	0	110396	0	75931.6	0	743350	0
20	2411524-008D	163555	0	112170	0	75079	0	727522	0
21	2411524-009D	173134	0	109310	0	74814.8	0	732154	0
22	2411524-010D	171327	0	111317	0	75372.5	0	724586	0
23	2411524-011D	177669	0	108829	0	74551.3	0	730824	0
24	CCV-C	170655	0	111475	0	75741.9	0	745148	0
25	CCB-C	163655	0	110277	0	74388.5	0	741134	0
26	2411524-012D	166198	0	108404	0	75262.6	0	736667	0
27	2411560-001D	165539	0	106571	0	73749.7	0	704510	0
28	2411560-002D	182208	0	104820	0	72479	0	701650	0
29	2411560-003D	189174	0	102215	0	72001.2	0	691679	0
30	2411560-004D	203169	0	100715	0	70328.6	0	682881	0
31	CCV-D	197861	0	106225	0	73701.7	0	725604	0
32	CCB-D	190230	0	105109	0	72670	0	734260	0
33	LDR	245904	0	101517	0	69101.7	0	621171	0

IS1 Lithium 6 = Lithium 6

IS2 Scandium = Scandium

IS3 Germanium = Germanium

IS4 Indium = Indium

AREA UPPER LIMIT = +400% of internal standard area

AREA LOWER LIMIT = -70% of internal standard area

RT UPPER LIMIT = +1.00 minutes of internal standard RT

RT LOWER LIMIT = -1.00 minutes of internal standard RT

INTERNAL STANDARD AREA AND RT SUMMARY

RunID:	ICP-MS 2 AGILENT 7850_241205I	CCV Name:	CAL BLANK
Run No:	96128	CCV SeqNo:	2005911
Lab File ID (Standard):	003CALB.d	Date Analyzed:	12/5/2024
Instrument ID:	ICP-MS 2 Agilent 7850	Time Analyzed:	11:12
GC Column:	ID (mm):	Length (M):	

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_241205I

CCV Name: CAL BLANK

Run No: 96128

CCV SeqNo: 2005911

Lab File ID (Standard): 003CALB.d

Date Analyzed: 12/5/2024

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 11:12

GC Column: ID (mm): Length (M):

		IS5 Terbium AREA #	RT #						
	12 HOUR STD	1618438.21	0.000						
	UPPER LIMIT	8092191.05	1.000						
	LOWER LIMIT	485531	-1.000						
	SAMPLE NO.								
01	2411524-001D	1.6566e+006	0						
02	2411524-001DMS	1.65049e+006	0						
03	2411524-001DMSD	1.65411e+006	0						
04	2411524-001DMSDIL	1.63705e+006	0						
05	2411524-001DPDS	1.64636e+006	0						
06	CCV-B	1.65172e+006	0						
07	CCB-B	1.64557e+006	0						
08	2411524-002D	1.64827e+006	0						
09	2411524-003D	1.6589e+006	0						
10	2411524-004D	1.66584e+006	0						
11	2411524-005D	1.66562e+006	0						
12	2411524-006D	1.64836e+006	0						
13	2411524-007D	1.68022e+006	0						
14	2411524-008D	1.6635e+006	0						
15	2411524-009D	1.67626e+006	0						
16	2411524-010D	1.66971e+006	0						
17	2411524-011D	1.66771e+006	0						
18	CCV-C	1.67232e+006	0						
19	CCB-C	1.64651e+006	0						
20	2411524-012D	1.66746e+006	0						
21	2411560-001D	1.64413e+006	0						
22	2411560-002D	1.64039e+006	0						
23	ICV	1.62531e+006	0						
24	ICSA	1.58257e+006	0						
25	CCV-A	1.6566e+006	0						
26	CCB-A	1.63664e+006	0						
27	MB-46040	1.65899e+006	0						
28	LCS-46040	1.66508e+006	0						
29	2411560-003D	1.62506e+006	0						
30	2411560-004D	1.63286e+006	0						
31	CCV-D	1.65074e+006	0						
32	CCB-D	1.65915e+006	0						
33	LDR	1.57641e+006	0						

IS5 Terbium = Terbium

AREA UPPER LIMIT = +400% of internal standard area
AREA LOWER LIMIT = -70% of internal standard area
RT UPPER LIMIT = +1.00 minutes of internal standard RT
RT LOWER LIMIT = -1.00 minutes of internal standard RT

INTERNAL STANDARD AREA AND RT SUMMARY

RunID:	ICP-MS 2 AGILENT 7850_241205I	CCV Name:	CAL BLANK
Run No:	96128	CCV SeqNo:	2005911
Lab File ID (Standard):	003CALB.d	Date Analyzed:	12/5/2024
Instrument ID:	ICP-MS 2 Agilent 7850	Time Analyzed:	11:12
GC Column:	ID (mm):	Length (M):	

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_241205I

CCV Name: CCV-D

Run No: 96128

CCV SeqNo: 2005928

Lab File ID (Standard): 059_CCV.d

Date Analyzed: 12/5/2024

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 14:20

GC Column: ID (mm): Length (M):

	IS1 Lithium 6 AREA #	RT #	IS2 Scandium AREA #	RT #	IS3 Germanium AREA #	RT #	IS4 Indium AREA #	RT #
12 HOUR STD	197860.66	0.000	106225.43	0.000	73701.66	0.000	725604.16	0.000
UPPER LIMIT	989303.3	1.000	531127.15	1.000	368508.3	1.000	3628020.8	1.000
LOWER LIMIT	59358	-1.000	31868	-1.000	22110	-1.000	217681	-1.000
SAMPLE NO.								
01 STANDARD 3	442716	0	142316	0	88463.4	0	803925	0

IS1 Lithium 6 = Lithium 6

IS2 Scandium = Scandium

IS3 Germanium = Germanium

IS4 Indium = Indium

AREA UPPER LIMIT = +400% of internal standard area

AREA LOWER LIMIT = -70% of internal standard area

RT UPPER LIMIT = +1.00 minutes of internal standard RT

RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_241205I

CCV Name: CCV-D

Run No: 96128

CCV SeqNo: 2005928

Lab File ID (Standard): 059_CCV.d

Date Analyzed: 12/5/2024

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 14:20

GC Column: ID (mm): Length (M):

		IS5 Terbium AREA #	RT #						
	12 HOUR STD	1650738.87	0.000						
	UPPER LIMIT	8253694.35	1.000						
	LOWER LIMIT	495222	-1.000						
	SAMPLE NO.								
01	STANDARD 3	1.40883e+006	0						

IS5 Terbium = Terbium

AREA UPPER LIMIT = +400% of internal standard area
AREA LOWER LIMIT = -70% of internal standard area
RT UPPER LIMIT = +1.00 minutes of internal standard RT
RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_241205I

CCV Name: CAL BLANK

Run No: 96128

CCV SeqNo: 2006651

Lab File ID (Standard): 003CALB.d

Date Analyzed: 12/6/2024

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 9:58

GC Column: ID (mm): Length (M):

		IS1 Lithium 6 AREA #	RT #	IS2 Scandium AREA #	RT #	IS3 Germanium AREA #	RT #	IS4 Indium AREA #	RT #
	12 HOUR STD	443157.33	0.000	140206.7	0.000	87991.07	0.000	808290.98	0.000
	UPPER LIMIT	2215786.65	1.000	701033.5	1.000	439955.35	1.000	4041454.9	1.000
	LOWER LIMIT	132947	-1.000	42062	-1.000	26397	-1.000	242487	-1.000
	SAMPLE NO.								
01	ICV	438223	0	142770	0	88105.1	0	797478	0
02	ICSA	430364	0	137603	0	86862.6	0	764786	0
03	LDR	408814	0	136806	0	86226	0	703426	0
04	2411562-001A	439072	0	176655	0	89239.8	0	767560	0
05	CCV-A	452819	0	140953	0	86509.7	0	781911	0
06	CCB-A	446590	0	139687	0	85417.6	0	776963	0

IS1 Lithium 6 = Lithium 6

IS2 Scandium = Scandium

IS3 Germanium = Germanium

IS4 Indium = Indium

AREA UPPER LIMIT = +400% of internal standard area

AREA LOWER LIMIT = -70% of internal standard area

RT UPPER LIMIT = +1.00 minutes of internal standard RT

RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_241205I

CCV Name: CAL BLANK

Run No: 96128

CCV SeqNo: 2006651

Lab File ID (Standard): 003CALB.d

Date Analyzed: 12/6/2024

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 9:58

GC Column: ID (mm): Length (M):

		IS5 Terbium AREA #	RT #						
	12 HOUR STD	1408491.92	0.000						
	UPPER LIMIT	7042459.6	1.000						
	LOWER LIMIT	422548	-1.000						
	SAMPLE NO.								
01	ICV	1.40195e+006	0						
02	ICSA	1.41247e+006	0						
03	LDR	1.40561e+006	0						
04	2411562-001A	1.4491e+006	0						
05	CCV-A	1.40944e+006	0						
06	CCB-A	1.38793e+006	0						

IS5 Terbium = Terbium

AREA UPPER LIMIT = +400% of internal standard area
AREA LOWER LIMIT = -70% of internal standard area
RT UPPER LIMIT = +1.00 minutes of internal standard RT
RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Supporting Data

3010A Total Metals in Water Prep Bench Sheet

Analyst:	Carmen Gonzalez
Date and Time:	12/4/2024
Batch:	160460

Notes/Modifications

Equipment	
Thermometer:	85
Thermometer CF:	+.1
Hot Block:	16
Pipette:	46
Other:	

Digestion Time/Temp.		
Time START:	8.30	
Time STOP:	1208	
	Observed	Plus CF
Temp. IN:	96.8	96.9
Temp. OUT:	96.6	96.7
Time START:		
Time STOP:		
	Observed	Plus CF
Temp. IN:		
Temp. OUT:		

Final Vol. Before Analysis	50mL

Sign and date below if you contributed to the preparation of this batch
CG 12/5/2024

Spikes / Chemicals / Reagents	Omega ID	Amount Used
Metals Water Spike	30624	1.0 mL
EAL-STD-2	30570	0.5 mL
500 ppb Hg Standard	30675	0.25 mL
Concentrated Nitric Acid	8345	0.5 mL
1:1 HCl	6958	0.5 mL
50mL Tubes	8546	
10mL Tubes	8470	
pH Strips	30591	
Metals Spike (PDS)	30754	0.2 mL
EAL-STD-2 (PDS)	30570	0.1 mL
500 ppb Hg Standard (PDS)	30675	0.05 mL

I acknowledge the spike/chemical/reagent amounts listed above were used	CG 12/5/2024

Samples verified pH < 2	CG 12/5/2024

Dilutions	
Sample ID	

Signature: ADK

Fremont Analytical, Inc

PREP BATCH REPORT

Prep Start Date: **12/4/2024 5:09:23 P**
Prep End Date:
Technician: **Melanie Esparza**

Prep Factor Units: **mL / mL**

Prep Batch ID: **46040** Prep Code: **PREP-3010-TW** Method No: **SW3010A**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46040		Water	50	50	1.000	12/4/2024	Preliminary
LCS-46040		Water	50	50	1.000	12/4/2024	Preliminary
2411524-001D	MW-11-112524	Groundwater	50	50	1.000	12/4/2024	Preliminary
2411524-001DMS		Groundwater	50	50	1.000	12/4/2024	Preliminary
2411524-001DMSD		Groundwater	50	50	1.000	12/4/2024	Preliminary
2411524-001DMSDIL		Groundwater	50	50	1.000	12/4/2024	Preliminary
2411524-001DPDS		Groundwater	50	50	1.000	12/4/2024	Preliminary
2411524-002D	MW-12-112524	Groundwater	50	50	1.000	12/4/2024	Preliminary
2411524-003D	MW-10-112524	Groundwater	50	50	1.000	12/4/2024	Preliminary
2411524-004D	MW-20-112524	Groundwater	50	50	1.000	12/4/2024	Preliminary
2411524-005D	MW-4A-112524	Groundwater	50	50	1.000	12/4/2024	Preliminary
2411524-006D	MW-09-112524	Groundwater	50	50	1.000	12/4/2024	Preliminary
2411524-007D	MW-08-112524	Groundwater	50	50	1.000	12/4/2024	Preliminary
2411524-008D	MW-13-112524	Groundwater	50	50	1.000	12/4/2024	Preliminary
2411524-009D	MW-14-112524	Groundwater	50	50	1.000	12/4/2024	Preliminary
2411524-010D	SW-02-112524	Groundwater	50	50	1.000	12/4/2024	Preliminary
2411524-011D	SW-03-112524	Groundwater	50	50	1.000	12/4/2024	Preliminary
2411524-012D	SW-04-112524	Groundwater	50	50	1.000	12/4/2024	Preliminary
2411560-001D	GEI-11-112624	Water	50	50	1.000	12/4/2024	Preliminary
2411560-002D	GEI-12-112624	Water	50	50	1.000	12/4/2024	Preliminary
2411560-003D	GEI-13-112624	Water	50	50	1.000	12/4/2024	Preliminary
2411560-004D	DUP-112624	Water	50	50	1.000	12/4/2024	Preliminary

3010A Total Metals in Water Prep Bench Sheet

Analyst:	Camryn Gravitt
Date and Time:	12/4/2024
Batch:	160460

Equipment	
Thermometer:	85
Thermometer CF:	+.1
Hot Block:	10
Pipette:	46
Other:	

Spikes / Chemicals / Reagents	Omega ID	Amount Used
Metals Water Spike	30624	1.0 mL
EAL-STD-2	30570	0.5 mL
500 ppb Hg Standard	30675	0.25 mL
Concentrated Nitric Acid	8345	0.5 mL
1:1 HCl	6956	0.5 mL
50mL Tubes	8516	
10mL Tubes	8470	
pH Strips	30791	
Metals Spike (PDS)	30754	0.2 mL
EAL-STD-2 (PDS)	30570	0.1 mL
500 ppb Hg Standard (PDS)	30675	0.05 mL

Notes/Modifications

562-W added-cg
12/6/2024
not properly preserved (pH ~3), added 5mL nitric and digested same day

Digestion Time/Temp.		
Time START:	8:30	
Time STOP:	12:08	
	Observed	Plus CF
Temp. IN:	96.8	96.9
Temp. OUT:	96.6	96.7
Time START:	8:16	
Time STOP:	11:20	
	Observed	Plus CF
Temp. IN:	94.4	
Temp. OUT:	96.1	

I acknowledge the spike/chemical/reagent amounts listed above were used	CG 12/5/2024
Samples verified pH < 2	CG 12/5/2024

Final Vol. Before Analysis	50mL

Dilutions	
Sample ID	
562-W	10x vol

Sign and date below if you contributed to the preparation of this batch

12/5/2024

Signature: ADK

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **12/4/2024 5:09:23 P**
Prep End Date: **12/5/2024 2:53:33 P**
Technician: **Melanie Esparza**

Prep Factor Units: **mL / mL**

Prep Batch ID: **46040** Prep Code: **PREP-3010-TW** Method No: **SW3010A**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46040		Water	50	50	1.000	12/4/2024	12/5/2024
LCS-46040		Water	50	50	1.000	12/4/2024	12/5/2024
2411524-001D	MW-11-112524	Groundwater	50	50	1.000	12/4/2024	12/5/2024
2411524-001DMS		Groundwater	50	50	1.000	12/4/2024	12/5/2024
2411524-001DMSD		Groundwater	50	50	1.000	12/4/2024	12/5/2024
2411524-001DMSDIL		Groundwater	50	50	1.000	12/4/2024	12/5/2024
2411524-001DPDS		Groundwater	50	50	1.000	12/4/2024	12/5/2024
2411524-002D	MW-12-112524	Groundwater	50	50	1.000	12/4/2024	12/5/2024
2411524-003D	MW-10-112524	Groundwater	50	50	1.000	12/4/2024	12/5/2024
2411524-004D	MW-20-112524	Groundwater	50	50	1.000	12/4/2024	12/5/2024
2411524-005D	MW-4A-112524	Groundwater	50	50	1.000	12/4/2024	12/5/2024
2411524-006D	MW-09-112524	Groundwater	50	50	1.000	12/4/2024	12/5/2024
2411524-007D	MW-08-112524	Groundwater	50	50	1.000	12/4/2024	12/5/2024
2411524-008D	MW-13-112524	Groundwater	50	50	1.000	12/4/2024	12/5/2024
2411524-009D	MW-14-112524	Groundwater	50	50	1.000	12/4/2024	12/5/2024
2411524-010D	SW-02-112524	Groundwater	50	50	1.000	12/4/2024	12/5/2024
2411524-011D	SW-03-112524	Groundwater	50	50	1.000	12/4/2024	12/5/2024
2411524-012D	SW-04-112524	Groundwater	50	50	1.000	12/4/2024	12/5/2024
2411560-001D	GEI-11-112624	Water	50	50	1.000	12/4/2024	12/5/2024
2411560-002D	GEI-12-112624	Water	50	50	1.000	12/4/2024	12/5/2024
2411560-003D	GEI-13-112624	Water	50	50	1.000	12/4/2024	12/5/2024
2411560-004D	DUP-112624	Water	50	50	1.000	12/4/2024	12/5/2024
2411562-001A	OWS - Storm Rain	Water	50	50	1.000	12/4/2024	12/5/2024

Reporting Checklist

Analyst: Melanie
Workorder(s): 2411524, 560, 562
Date: 12/05/2024
Prep #: 46040
Run(s) #: 96128
Analysis: M-6020-TW

Y/N		Reviewed
Y	**Run complete? (i.e., all QC, samples, dilutions present)**	
N	**All QC within limits?** ____ Exceedances acceptable per QA Manual and/or Auth'd by PM____?	

☐CCV out ☐LCS out ☑MS out ☐Blank hits ☐IS/surr out ☑RPD out
☐Hold time ☑Other LLCV - Fe

Ok'ed slightly low LLCV with MWDL
MSD mis-spiked for water spike analytes leading to R and S flags

N Any pending dilutions, re-extracts, or reanalysis to be completed in future run?

N/A **Manual entries/narratives reviewed for accuracy? (note below)** Analyst: Reviewer:

✔ **Omega checks performed?**
- ✔ SampID, Test Code, Type, Prep
- ✔ PMOIST, pH
- ✔ BLKref, SPKref, RPDref, CCVref
- ✔ Attachments
  ☐Sequence ☐Cgrams ☑Bench Sheets ☐Perf Checks ☑Tech Doc
- ✔ Related Info
  ☐ICAL Ref ☐ICAL Ack/QA'd? ☑Spiking Info/CCV Std ☐_____
- ✔ Reporting Checks
  ☐Dilutions data/narr redundancy check ☐RLs OK (low wt, high pmoist, dilutions)

Notes for Reviewer

LDR

524-8D, 10D Fe, Mn

Updated 12/06/2024

By signing, I attest that I have followed the SOP

Melanie Esparza 12/05/2024
Analyst Date

MG 12/5/2024
Reviewer Date

DATA SET for Review - Deliverable Requirements

Volatile Organic Compounds by EPA 8260D SIM

Alliance Technical Group Work Order No. 2411560

GeoEngineers

Project Name: 701/709 South Jackson

Project Number: 24504-001-04

This data set contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information
- Internal Standards Report

Injection Log

Data Directory: D:\GC-27\DATA\120424\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 120401.D	8260B_90to1.M			
R	O-VOC-S		1.000	04 Dec 2024 04:06 pm
2) 120402.D	8260B_90to1.M			
R	O-VOC-S		1.000	04 Dec 2024 04:33 pm
3) 120403.D	8260_SIM_90to1.M			
SIM R	O-VOC-S		1.000	04 Dec 2024 05:04 pm
4) 120404.D	8260_SIM_90to1.M			
SIM R	O-VOC-S		1.000	04 Dec 2024 05:35 pm
5) 120405.D	8260_SIM_90to1.M			
SIM R	O-VOC-S		1.000	04 Dec 2024 06:05 pm
6) 120406.D	8260B_90to1.M			
TUNE	O-VOC-S		1.000	04 Dec 2024 06:40 pm
7) 120407.D	8260_SIM_90to1.M			
SIM R	O-VOC-S		1.000	04 Dec 2024 07:10 pm
8) 120408.D	8260_SIM_90to1.M			
SIM W ICAL 1	O-VOC-W-SIM	11	1.000	04 Dec 2024 07:42 pm
9) 120409.D	8260_SIM_90to1.M			
SIM W ICAL 2	O-VOC-W-SIM	12	1.000	04 Dec 2024 08:14 pm
10) 120410.D	8260_SIM_90to1.M			
SIM W ICAL 3	O-VOC-W-SIM	13	1.000	04 Dec 2024 08:45 pm
11) 120411.D	8260_SIM_90to1.M			
SIM W ICAL 4	O-VOC-W-SIM	14	1.000	04 Dec 2024 09:17 pm
12) 120412.D	8260_SIM_90to1.M			
SIM W ICAL 5	O-VOC-W-SIM	15	1.000	04 Dec 2024 09:49 pm
13) 120413.D	8260_SIM_90to1.M			
SIM W ICAL 6	O-VOC-W-SIM	16	1.000	04 Dec 2024 10:21 pm
14) 120414.D	8260_SIM_90to1.M			
SIM W ICAL 7	O-VOC-W-SIM	17	1.000	04 Dec 2024 10:53 pm
15) 120415.D	8260_SIM_90to1.M			
SIM W ICAL 8	O-VOC-W-SIM	18	1.000	04 Dec 2024 11:25 pm
16) 120416.D	8260_SIM_90to1.M			
SIM W ICAL 9	O-VOC-W-SIM	19	1.000	04 Dec 2024 11:57 pm
17) 120417.D	8260_SIM_90to1.M			
SIM R	O-VOC-W-SIM		1.000	05 Dec 2024 12:28 am
18) 120418.D	8260_SIM_90to1.M			
SIM R	O-VOC-W-SIM		1.000	05 Dec 2024 12:59 am
19) 120419.D	8260_SIM_90to1.M			
SIM R	O-VOC-W-SIM		1.000	05 Dec 2024 01:29 am
20) 120420.D	8260_SIM_90to1.M			
ICB	O-VOC-W-SIM	20	1.000	05 Dec 2024 02:01 am
21) 120421.D	8260_SIM_90to1.M			
ICV	O-VOC-W-SIM	21	1.000	05 Dec 2024 02:33 am

22) 120422.D 8260_SIM_90to1.M
SIM R O-VOC-W-SIM 1.000 05 Dec 2024 03:04 am

23) 120423.D 8260_SIM_90to1.M
SIM R O-VOC-S 1.000 05 Dec 2024 09:09 am

24) 120424.D 8260B_90to1.M
TUNE O-VOC-S 1.000 05 Dec 2024 09:43 am

25) 120425.D 8260_SIM_90to1.M
SIM R O-VOC-S 1.000 05 Dec 2024 10:13 am

26) 120426.D 8260_SIM_90to1.M
SIM W ICAL 6 RR O-VOC-W-SIM 16 1.000 05 Dec 2024 10:45 am

27) 120427.D 8260_SIM_90to1.M
ICV RR O-VOC-W-SIM 21 1.000 05 Dec 2024 11:17 am

28) 120428.D 8260_SIM_90to1.M
SIM R O-VOC-S 1.000 05 Dec 2024 11:48 am

29) 120429.D 8260_SIM_90to1.M
ICV RR diff cont O-VOC-W-SIM 24 1.000 05 Dec 2024 12:24 pm

30) 120430.D 8260_SIM_90to1.M
SIM R O-VOC-W-SIM 1.000 05 Dec 2024 12:55 pm

31) 120431.D 8260_SIM_90to1.M
MB W O-VOC-W-SIM 25 1.000 05 Dec 2024 01:27 pm

32) 120432.D 8260_SIM_90to1.M
SIM W 0.005 O-VOC-W-SIM 26 1.000 05 Dec 2024 01:59 pm

33) 120433.D 8260_SIM_90to1.M
SIM W 0.01 O-VOC-W-SIM 27 1.000 05 Dec 2024 02:31 pm

34) 120434.D 8260_SIM_90to1.M
SIM W 0.1 O-VOC-W-SIM 28 1.000 05 Dec 2024 03:03 pm

35) 120435.D 8260_SIM_90to1.M
SIM W 0.2 O-VOC-W-SIM 29 1.000 05 Dec 2024 03:35 pm

36) 120436.D 8260_SIM_90to1.M
2411560-001A O-VOC-W-SIM 30 1.000 05 Dec 2024 04:07 pm

37) 120437.D 8260_SIM_90to1.M
2411560-002A O-VOC-W-SIM 31 1.000 05 Dec 2024 04:39 pm

38) 120438.D 8260_SIM_90to1.M
2411560-002ADUP O-VOC-W-SIM 32 1.000 05 Dec 2024 05:11 pm

39) 120439.D 8260_SIM_90to1.M
2411560-003A O-VOC-W-SIM 33 1.000 05 Dec 2024 05:43 pm

40) 120440.D 8260_SIM_90to1.M
2411560-004A O-VOC-W-SIM 34 1.000 05 Dec 2024 06:15 pm

41) 120441.D 8260_SIM_90to1.M
2411560-003AMS O-VOC-W-SIM 35 1.000 05 Dec 2024 06:47 pm

42) 120442.D 8260_SIM_90to1.M
SIM R O-VOC-W-SIM 1.000 05 Dec 2024 07:17 pm

43) 120443.D 8260B_90to1.M
TUNE O-VOC-W-SIM 1.000 05 Dec 2024 07:51 pm

44) 120444.D 8260_SIM_90to1.M
SIM R O-VOC-W-SIM 1.000 05 Dec 2024 08:21 pm

45) 120445.D 8260_SIM_90to1.M

SIM W CCV O-VOC-W-SIM 36 1.000 05 Dec 2024 08:53 pm

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46) 120446.D 8260_SIM_90to1.M
SIM R O-VOC-W-SIM 1.000 05 Dec 2024 09:23 pm

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47) 120447.D 8260_SIM_90to1.M
SIM R O-VOC-W-SIM 1.000 05 Dec 2024 09:54 pm

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48) 120448.D 8260_SIM_90to1.M
SIM W 0.005 O-VOC-W-SIM 37 1.000 05 Dec 2024 10:26 pm

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49) 120449.D 8260_SIM_90to1.M
SIM W 0.01 O-VOC-W-SIM 38 1.000 05 Dec 2024 10:58 pm

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50) 120450.D 8260_SIM_90to1.M
SIM W 0.1 O-VOC-W-SIM 39 1.000 05 Dec 2024 11:30 pm

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51) 120451.D 8260_SIM_90to1.M
SIM W 0.2 O-VOC-W-SIM 40 1.000 06 Dec 2024 12:02 am

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52) 120452.D 8260_SIM_90to1.M
SIM W CCV O-VOC-W-SIM 41 1.000 06 Dec 2024 12:34 am

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53) 120453.D 8260_SIM_90to1.M
SIM R O-VOC-W-SIM 1.000 06 Dec 2024 01:04 am

Calibration

Initial Calibration Report - GC-27

Method Path	D:\GC-27\METHODS\QUANT\VOC
Method File	SIM W 120424.m
Batch Name	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin
Last Calib Update	12/6/2024 9:09:00 AM

Level Name	Calibration Files	Acq. Date-Time	Level Last Update Time
1	D:\GC-27\DATA\120424\120408.D	12/4/2024 7:42:02 PM	12/6/2024 9:09:00 AM
2	D:\GC-27\DATA\120424\120409.D	12/4/2024 8:14:01 PM	12/6/2024 9:09:00 AM
3	D:\GC-27\DATA\120424\120410.D	12/4/2024 8:46:01 PM	12/6/2024 9:09:00 AM
4	D:\GC-27\DATA\120424\120411.D	12/4/2024 9:18:01 PM	12/6/2024 9:09:00 AM
5	D:\GC-27\DATA\120424\120412.D	12/4/2024 9:50:00 PM	12/6/2024 9:09:00 AM
7	D:\GC-27\DATA\120424\120414.D	12/4/2024 10:53:58 PM	12/6/2024 9:09:00 AM
8	D:\GC-27\DATA\120424\120415.D	12/4/2024 11:25:57 PM	12/6/2024 9:09:00 AM
9	D:\GC-27\DATA\120424\120416.D	12/4/2024 11:57:56 PM	12/6/2024 9:09:00 AM
6	D:\GC-27\DATA\120424\120426.D	12/5/2024 10:45:14 AM	12/6/2024 9:09:00 AM

Compound	Curve Fit	1	2	3	4	5	7	8	9	6	Avg RF	%RSD
I Pentafluorobenzene (IS)					---------- ISTD ----------							
T vinyl chloride (gas)	Quadratic	0.3305	0.2841	0.2564	0.2661	0.2688	0.2800	0.2533	0.2797	0.2449	0.2738	9.161
T 1,1-Dichloroethylene	Avg RF	0.4180	0.4290	0.4638	0.4339	0.4120	0.4024	0.3594	0.3924	0.3633	0.4082	8.208
T Methylene chloride	Linear	1.7499	0.8224	0.6277	0.5379	0.4891	0.4656	0.4227	0.4611	0.4968	0.6748	62.384
T trans-1,2-Dichloroethene	Avg RF	0.5679	0.4935	0.5169	0.4988	0.4814	0.4804	0.4345	0.4853	0.4933	0.4947	7.133
T MTBE	Avg RF	0.6474	0.6959	0.7253	0.7174	0.7036	0.6937	0.6499	0.7392	0.6660	0.6932	4.720
T 1,1-Dichloroethane	Avg RF	0.7378	0.8008	0.8283	0.8053	0.7779	0.7774	0.7160	0.7887	0.8139	0.7829	4.614
T cis-1,2-Dichloroethylene	Avg RF	0.5462	0.5347	0.5477	0.5663	0.5332	0.5385	0.4974	0.5493	0.5457	0.5399	3.467
T 1,1,1-Trichloroethane	Linear	0.5781	0.6339	0.7062	0.6695	0.6537	0.6596	0.6130	0.6884	0.6024	0.6450	6.477
S Dibromofluoromethane	Avg RF	0.4490	0.4580	0.4435	0.4469	0.4322	0.4407	0.4443	0.4531	0.4417	0.4455	1.683
T Benzene	Avg RF	1.9205	1.7867	1.8163	1.8137	1.7190	1.7150	1.5834	1.7653	1.7442	1.7627	5.217
T 1,2-Dichloroethane	Linear	1.2414	0.6381	0.5549	0.5146	0.4657	0.4504	0.4153	0.4648	0.4543	0.5777	44.625
T trichloroethylene	Avg RF	0.5717	0.5532	0.5849	0.5926	0.5649	0.5702	0.5028	0.5604	0.5555	0.5618	4.563
T 1,4-Dioxane	Linear	0.0114	0.0041	0.0033	0.0027	0.0024	0.0023	0.0023	0.0024	0.0023	0.0037	79.911
S Toluene-d8 (Surr)	Avg RF	1.6062	1.6370	1.6136	1.6293	1.5959	1.6092	1.6013	1.6414	1.6091	1.6159	0.996
T Toluene	Linear	1.7393	1.3129	1.2819	1.2117	1.1480	1.1385	1.0342	1.1279	1.1683	1.2403	16.524
T 1,1,2-Trichloroethane	Avg RF	0.2780	0.2847	0.2892	0.2938	0.2882	0.2979	0.2815	0.3131	0.2916	0.2909	3.549
T (PCE) Tetrachloroethylene	Avg RF	0.5009	0.4625	0.5061	0.4646	0.4430	0.4286	0.3971	0.4289	0.4002	0.4480	8.752
T (EDB) 1,2-Dibromoethane	Avg RF	0.2573	0.2556	0.2601	0.2614	0.2617	0.2723	0.2606	0.2970	0.2626	0.2654	4.796
I Chlorobenzene-d5 (IS)					---------- ISTD ----------							
T Ethylbenzene	Avg RF	1.6318	1.4779	1.5640	1.4902	1.4824	1.4841	1.3497	1.4087	1.4716	1.4845	5.440
T m,p-Xylene	Avg RF	0.6992	0.6056	0.6322	0.6135	0.6152	0.6134	0.5513	0.5534	0.6099	0.6104	7.130
T o-Xylene	Avg RF	0.6482	0.5828	0.6006	0.5944	0.5954	0.6013	0.5459	0.5629	0.6036	0.5928	4.817
S 1-Bromo-4-fluorobenzene	Avg RF	0.4620	0.4690	0.4706	0.4655	0.4771	0.4866	0.4826	0.4867	0.4765	0.4752	1.899
I 1,4-Dichlorobenzene-d4					---------- ISTD ----------							
T 1,2-Dibromo-3-Chloropropane	Avg RF	0.0337	0.0301	0.0309	0.0304	0.0310	0.0336	0.0350	0.0404	0.0322	0.0330	9.801
T Hexachlorobutadiene	Quadratic			0.0025	0.0017	0.0019	0.0017	0.0016	0.0021	0.0015	0.0019	18.770

Compound	Curve Fit	1	2	3	4	5	7	8	9	6	Avg RF	%RSD
T 1,2,4-Trichlorobenzene	Quadratic	0.8914	0.4581	0.4278	0.4346	0.4522	0.4312	0.4324	0.4900	0.4159	0.4926	30.678
T 1,2,3-Trichlorobenzene	Quadratic	0.6523	0.3316	0.3180	0.3381	0.3545	0.3335	0.3408	0.3918	0.3140	0.3750	28.401

(RedFont and #) = Outlier Flag; (I) = Internal Standard; (T) = Target; (S) = Surrogate; (M) = Matrix Spike

Compounds with Curve fitting not using Avg Response Factor:

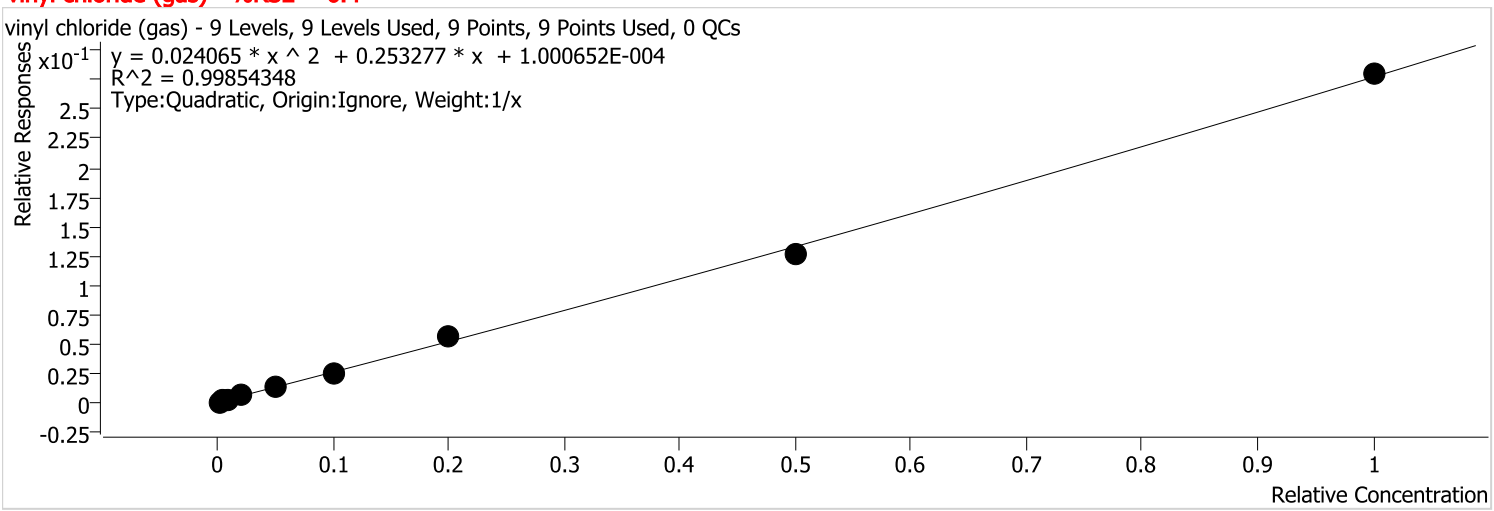
Compound	Curve Fit	Curve Fit Formula	Curve Fit R2
T vinyl chloride (gas)	Quadratic	y = 0.024065 * x ^ 2 + 0.253277 * x + 1.000652E-004	0.998543
T Methylene chloride	Linear	y = 0.450427 * x + 0.001455	0.997996
T 1,1,1-Trichloroethane	Linear	y = 0.660053 * x - 9.768320E-005	0.997161
T 1,2-Dichloroethane	Linear	y = 0.447501 * x + 8.444672E-004	0.997632
T 1,4-Dioxane	Linear	y = 0.002358 * x + 1.728205E-004	0.998954
T Toluene	Linear	y = 1.105202 * x + 8.759868E-004	0.998285
T Hexachlorobutadiene	Quadratic	y = 7.198631E-004 * x ^ 2 + 0.001348 * x + 1.201287E-005	0.997753
T 1,2,4-Trichlorobenzene	Quadratic	y = 0.085112 * x ^ 2 + 0.401720 * x + 4.737603E-004	0.999511
T 1,2,3-Trichlorobenzene	Quadratic	y = 0.081391 * x ^ 2 + 0.308244 * x + 3.220475E-004	0.999442

(RedFont and #) = Outlier Flag; (I) = Internal Standard; (T) = Target; (S) = Surrogate; (M) = Matrix Spike

Calibration Report

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:15:57 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

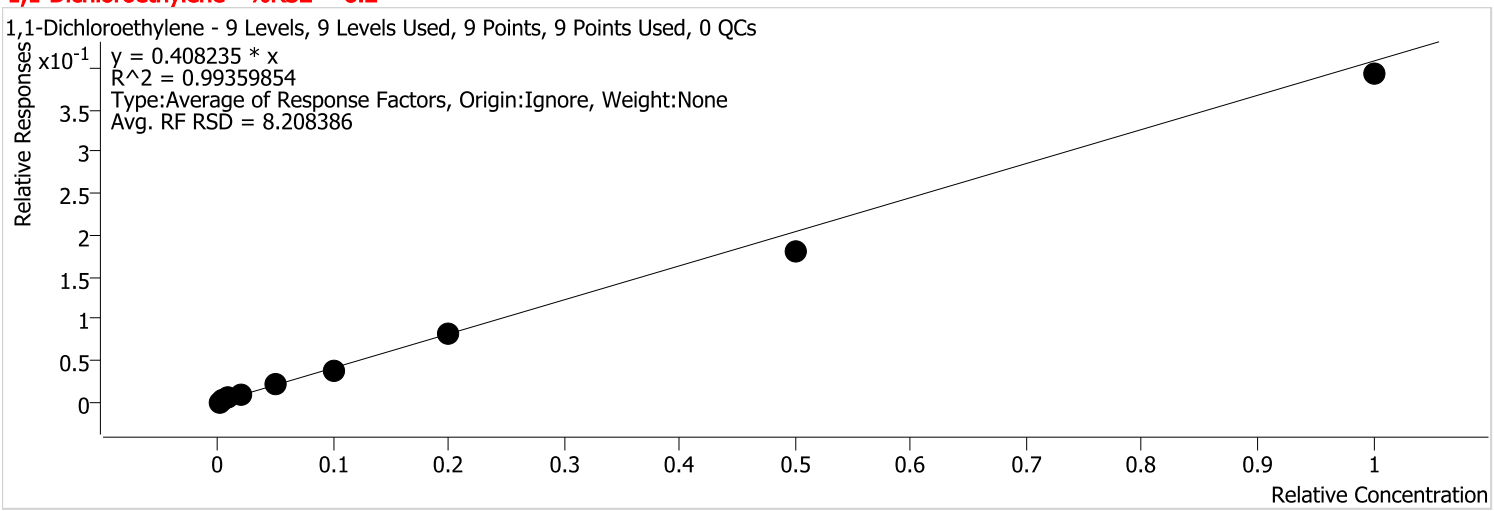
vinyl chloride (gas) %RSE = 6.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	511	0.0100	0.3305	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	2114	0.0500	0.2841	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	3820	0.1000	0.2564	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	8039	0.2000	0.2661	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	20552	0.5000	0.2688	
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	34252	1.0000	0.2449	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	84019	2.0000	0.2800	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	191397	5.0000	0.2533	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	408047	10.0000	0.2797	

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:00 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

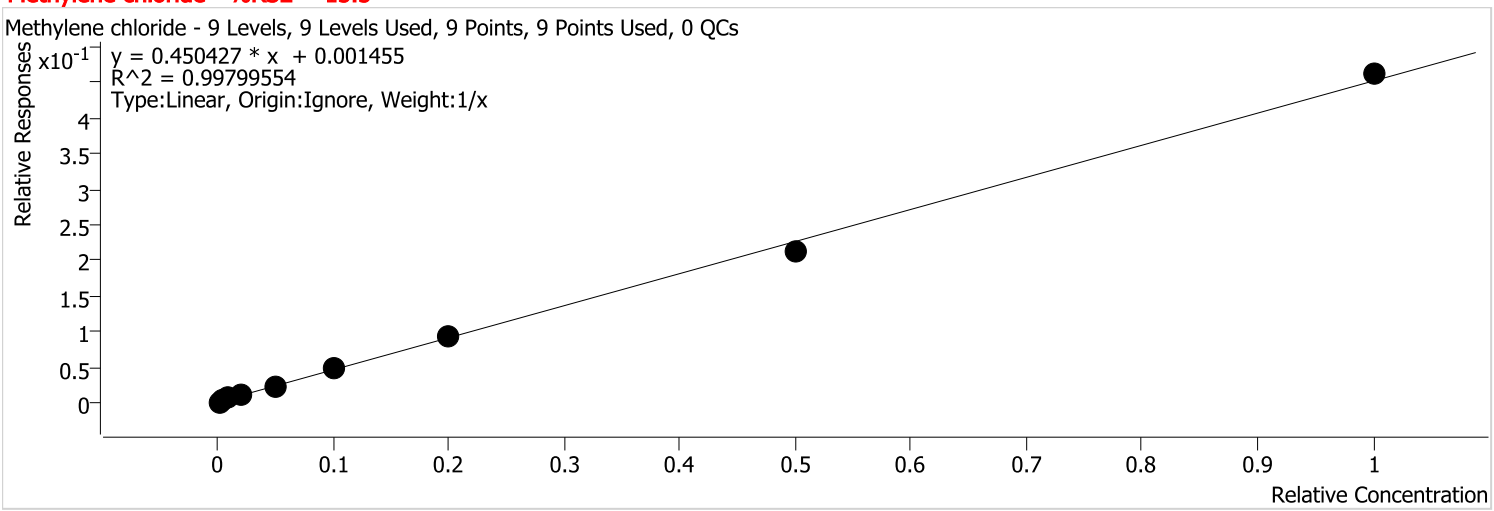
1,1-Dichloroethylene %RSE = 8.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	646	0.0100	0.4180	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	3193	0.0500	0.4290	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	6909	0.1000	0.4638	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	13112	0.2000	0.4339	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	31497	0.5000	0.4120	
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	50810	1.0000	0.3633	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	120753	2.0000	0.4024	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	271514	5.0000	0.3594	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	572374	10.0000	0.3924	

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:00 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

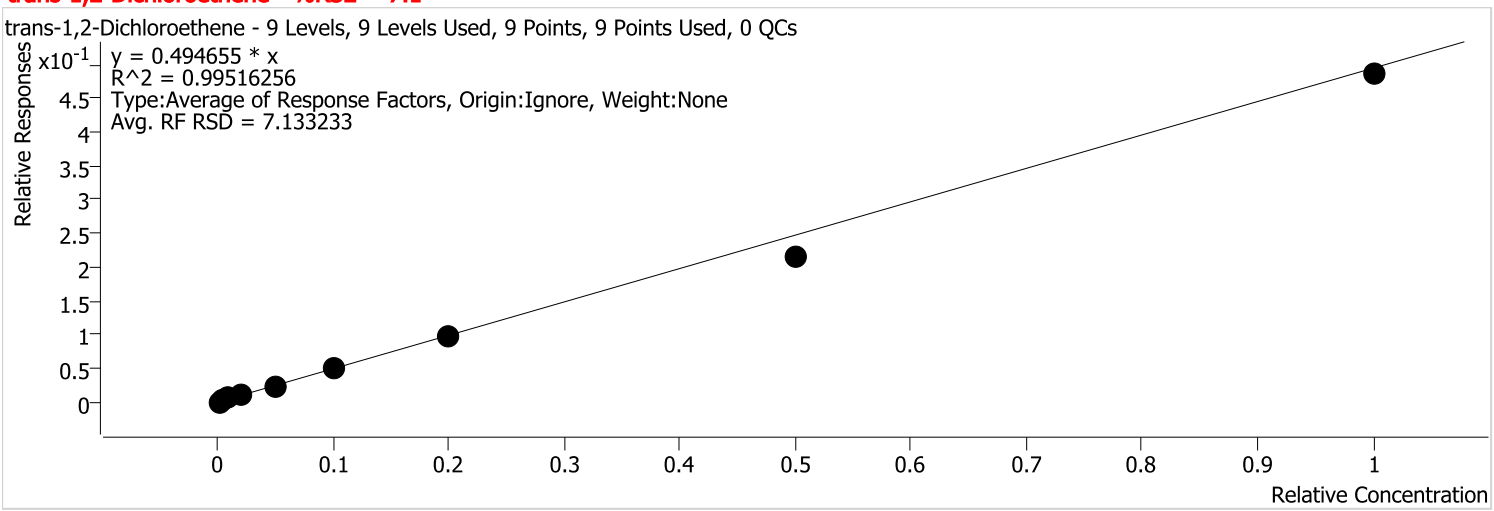
Methylene chloride %RSE = 15.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	2705	0.0100	1.7499	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	6121	0.0500	0.8224	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	9350	0.1000	0.6277	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	16252	0.2000	0.5379	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	37392	0.5000	0.4891	
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	69480	1.0000	0.4968	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	139746	2.0000	0.4656	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	319352	5.0000	0.4227	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	672649	10.0000	0.4611	

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:00 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

trans-1,2-Dichloroethene %RSE = 7.1

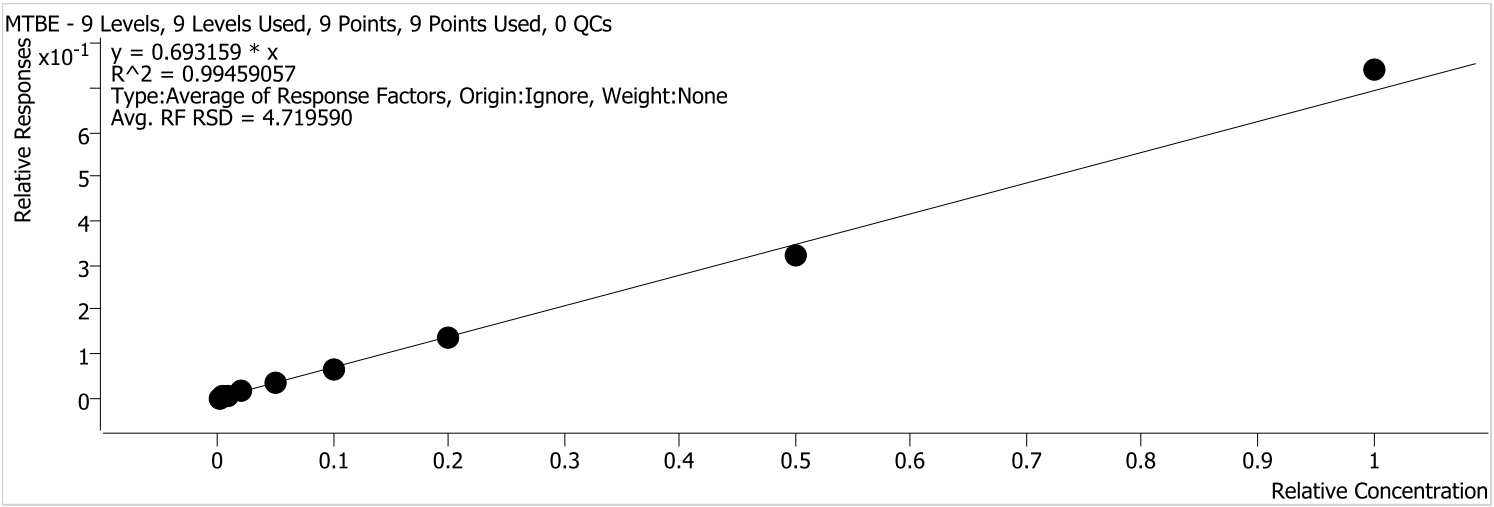


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	878	0.0100	0.5679	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	3673	0.0500	0.4935	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	7700	0.1000	0.5169	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	15073	0.2000	0.4988	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	36801	0.5000	0.4814	
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	68999	1.0000	0.4933	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	144181	2.0000	0.4804	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	328281	5.0000	0.4345	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	707910	10.0000	0.4853	

Calibration Report

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:00 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

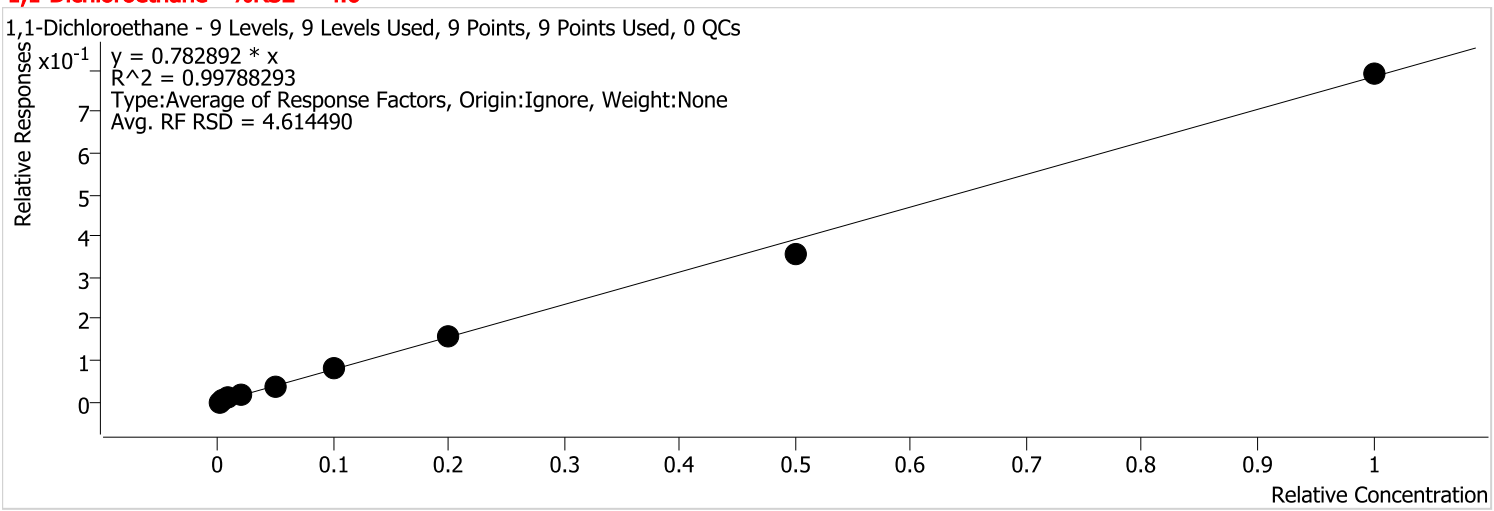
MTBE %RSE = 4.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	1001	0.0100	0.6474	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	5180	0.0500	0.6959	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	10804	0.1000	0.7253	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	21677	0.2000	0.7174	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	53788	0.5000	0.7036	
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	93152	1.0000	0.6660	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	208202	2.0000	0.6937	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	491024	5.0000	0.6499	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	1078388	10.0000	0.7392	

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:00 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

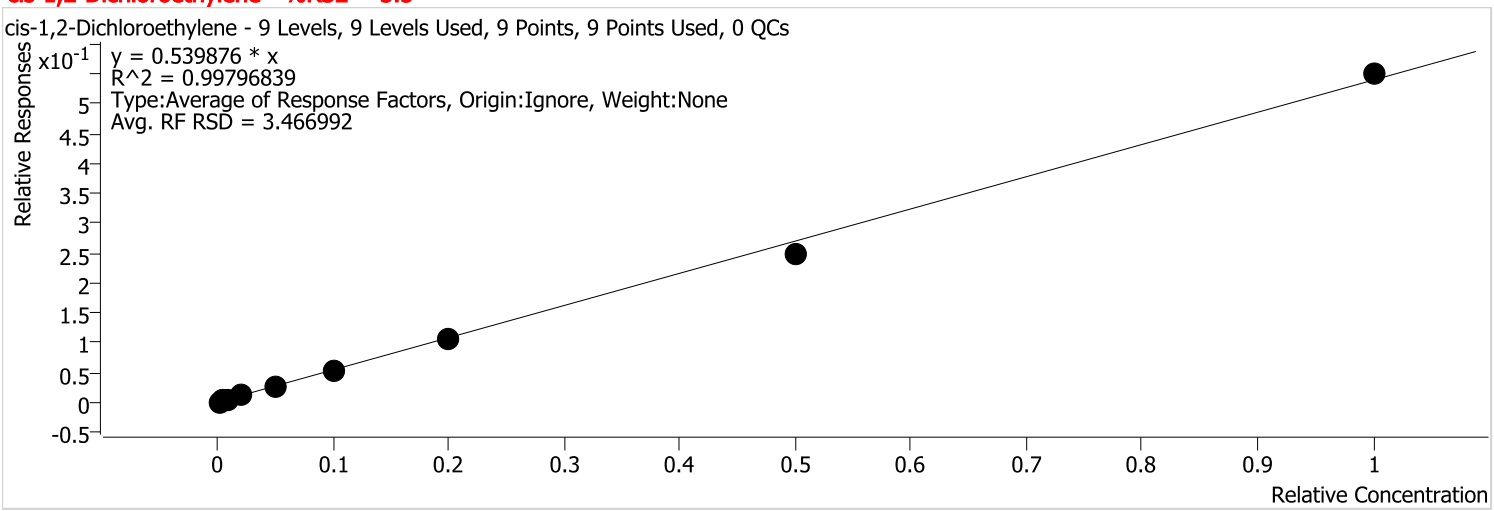
1,1-Dichloroethane %RSE = 4.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	1141	0.0100	0.7378	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	5960	0.0500	0.8008	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	12339	0.1000	0.8283	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	24333	0.2000	0.8053	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	59469	0.5000	0.7779	
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	113835	1.0000	0.8139	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	233295	2.0000	0.7774	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	541008	5.0000	0.7160	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	1150469	10.0000	0.7887	

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:00 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

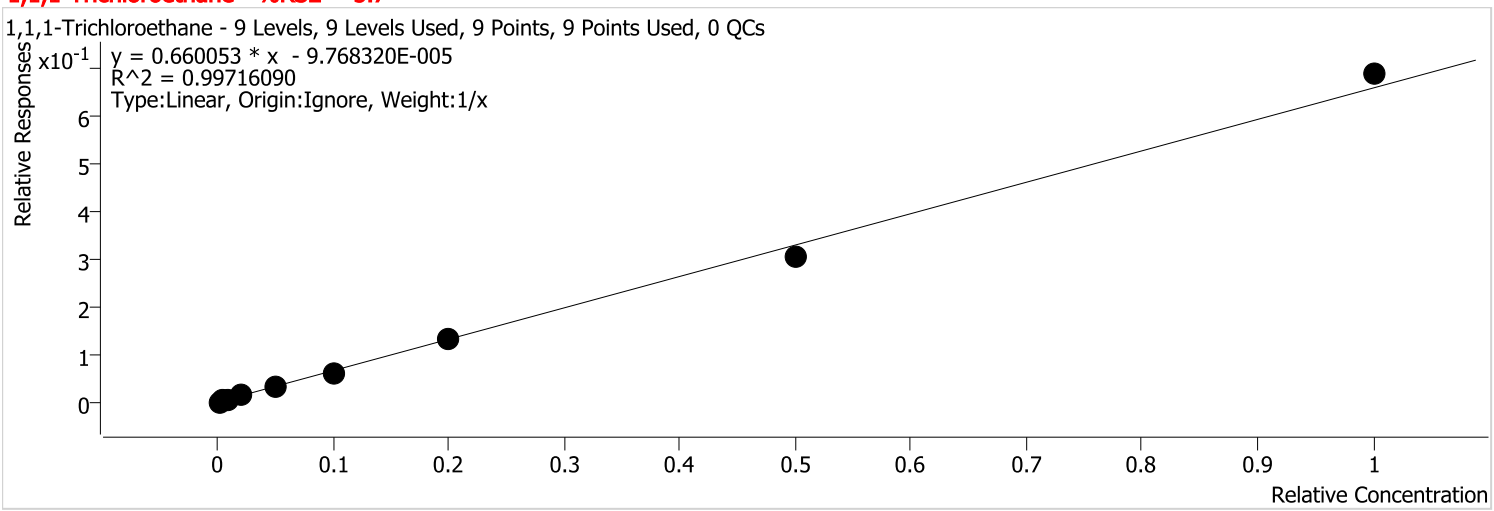
cis-1,2-Dichloroethylene %RSE = 3.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	844	0.0100	0.5462	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	3979	0.0500	0.5347	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	8159	0.1000	0.5477	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	17112	0.2000	0.5663	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	40764	0.5000	0.5332	
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	76327	1.0000	0.5457	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	161601	2.0000	0.5385	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	375794	5.0000	0.4974	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	801307	10.0000	0.5493	

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:00 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

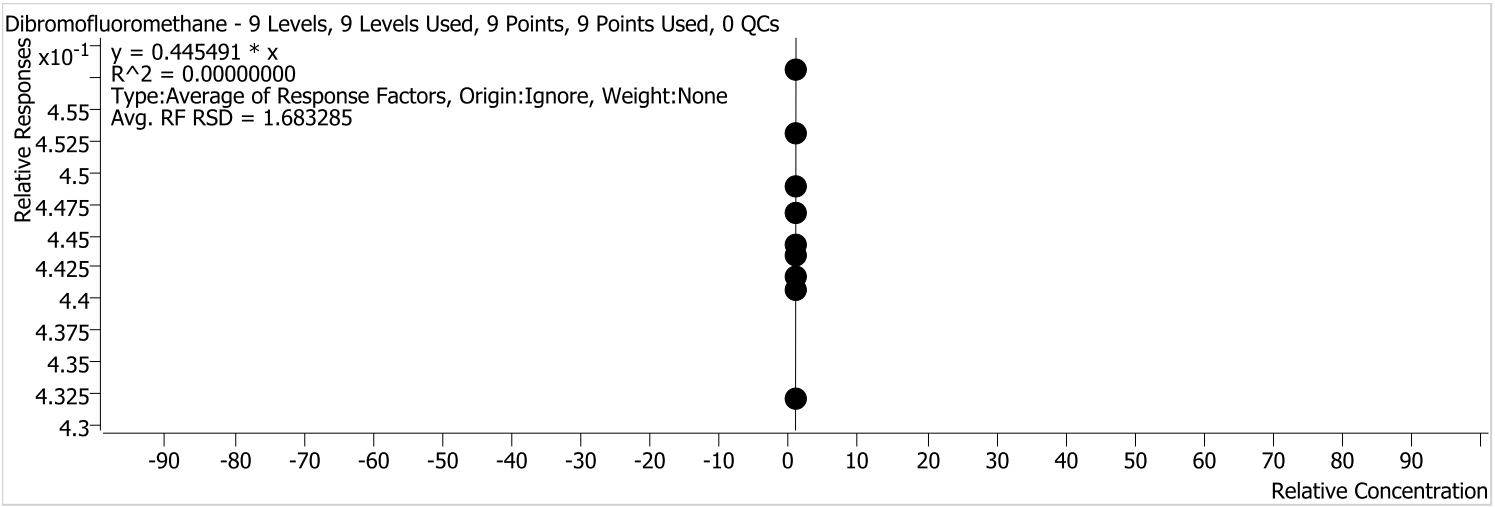
1,1,1-Trichloroethane %RSE = 5.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	894	0.0100	0.5781	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	4718	0.0500	0.6339	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	10520	0.1000	0.7062	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	20229	0.2000	0.6695	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	49979	0.5000	0.6537	
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	84256	1.0000	0.6024	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	197970	2.0000	0.6596	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	463141	5.0000	0.6130	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	1004264	10.0000	0.6884	

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:00 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

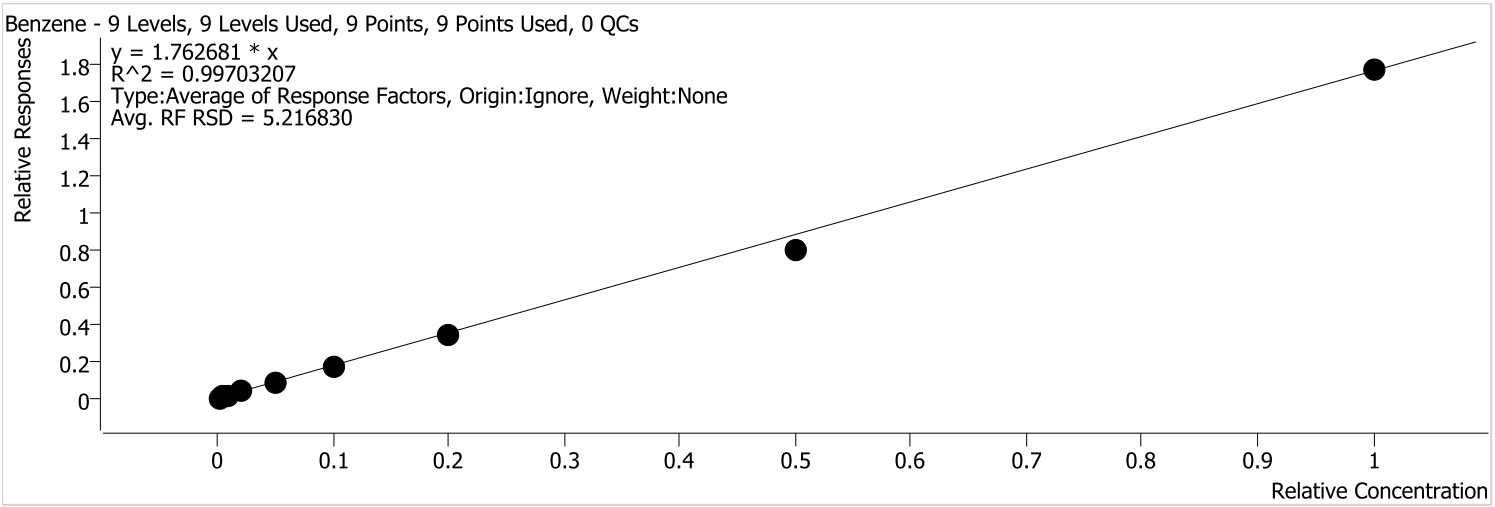
Dibromofluoromethane %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	617837	10.0000	0.4417	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	661015	10.0000	0.4531	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	671407	10.0000	0.4443	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	661234	10.0000	0.4407	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	660820	10.0000	0.4322	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	675128	10.0000	0.4469	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	660683	10.0000	0.4435	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	681848	10.0000	0.4580	
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	694129	10.0000	0.4490	

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:00 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

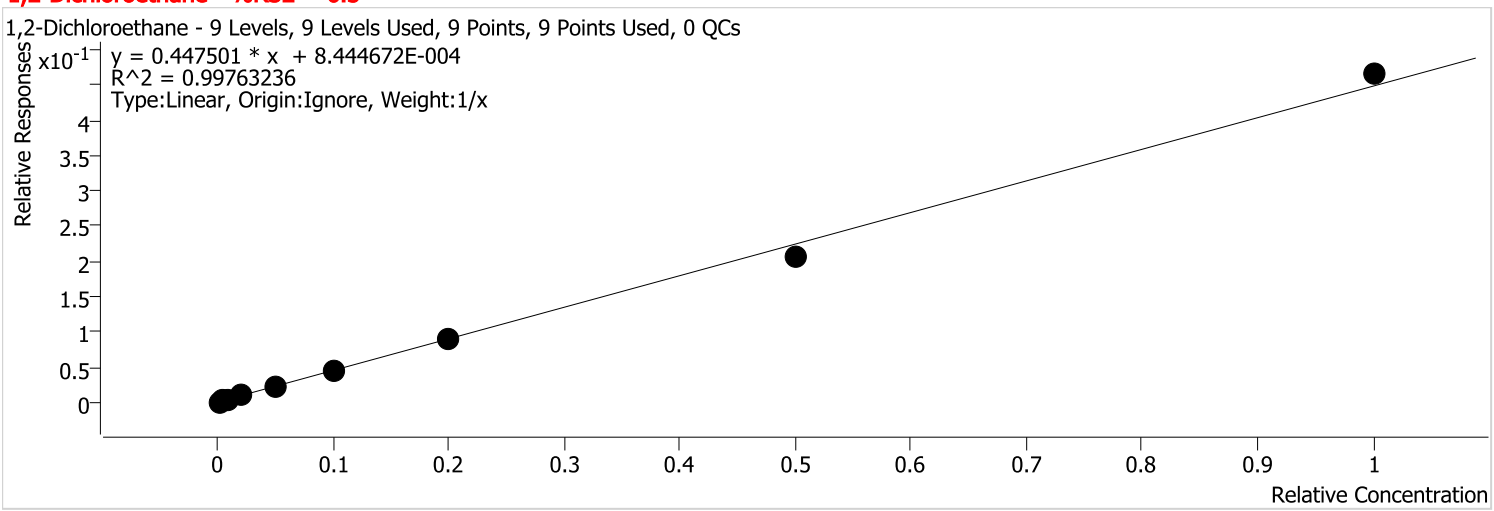
Benzene %RSE = 5.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	2969	0.0100	1.9205	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	13299	0.0500	1.7867	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	27057	0.1000	1.8163	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	54801	0.2000	1.8137	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	131420	0.5000	1.7190	
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	243953	1.0000	1.7442	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	514696	2.0000	1.7150	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	1196320	5.0000	1.5834	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	2575243	10.0000	1.7653	

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:00 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

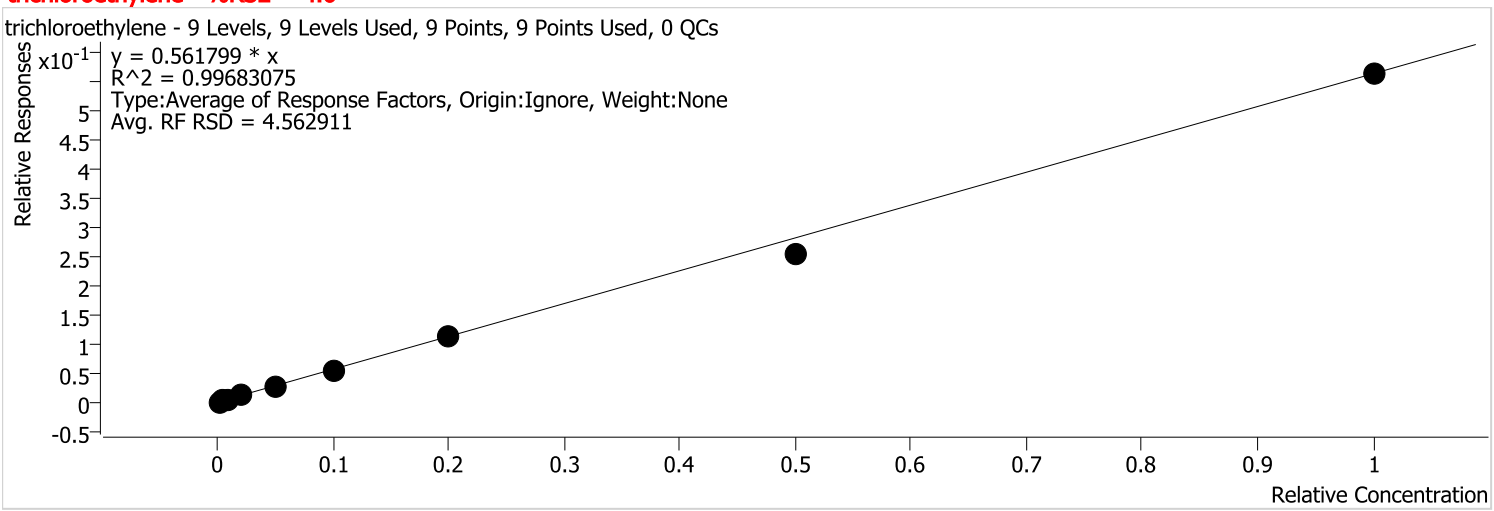
1,2-Dichloroethane %RSE = 6.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	1919	0.0100	1.2414	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	4750	0.0500	0.6381	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	8267	0.1000	0.5549	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	15547	0.2000	0.5146	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	35604	0.5000	0.4657	
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	63537	1.0000	0.4543	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	135183	2.0000	0.4504	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	313806	5.0000	0.4153	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	678108	10.0000	0.4648	

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:00 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

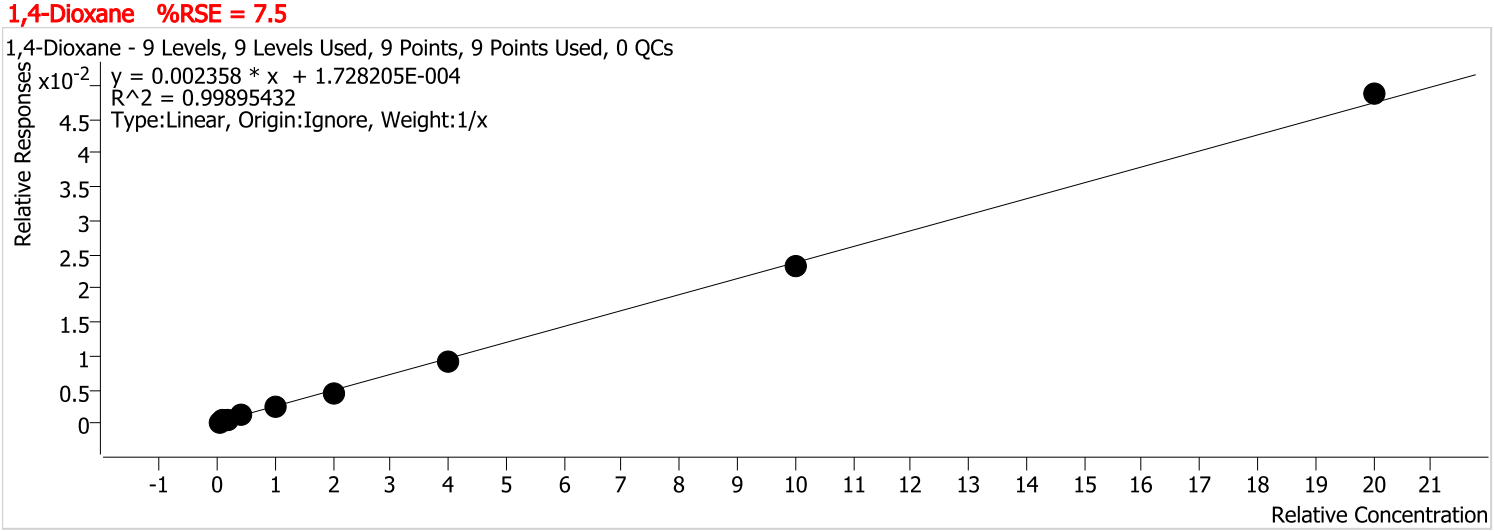
trichloroethylene %RSE = 4.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	884	0.0100	0.5717	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	4118	0.0500	0.5532	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	8714	0.1000	0.5849	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	17905	0.2000	0.5926	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	43186	0.5000	0.5649	
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	77688	1.0000	0.5555	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	171130	2.0000	0.5702	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	379890	5.0000	0.5028	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	817563	10.0000	0.5604	

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:00 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

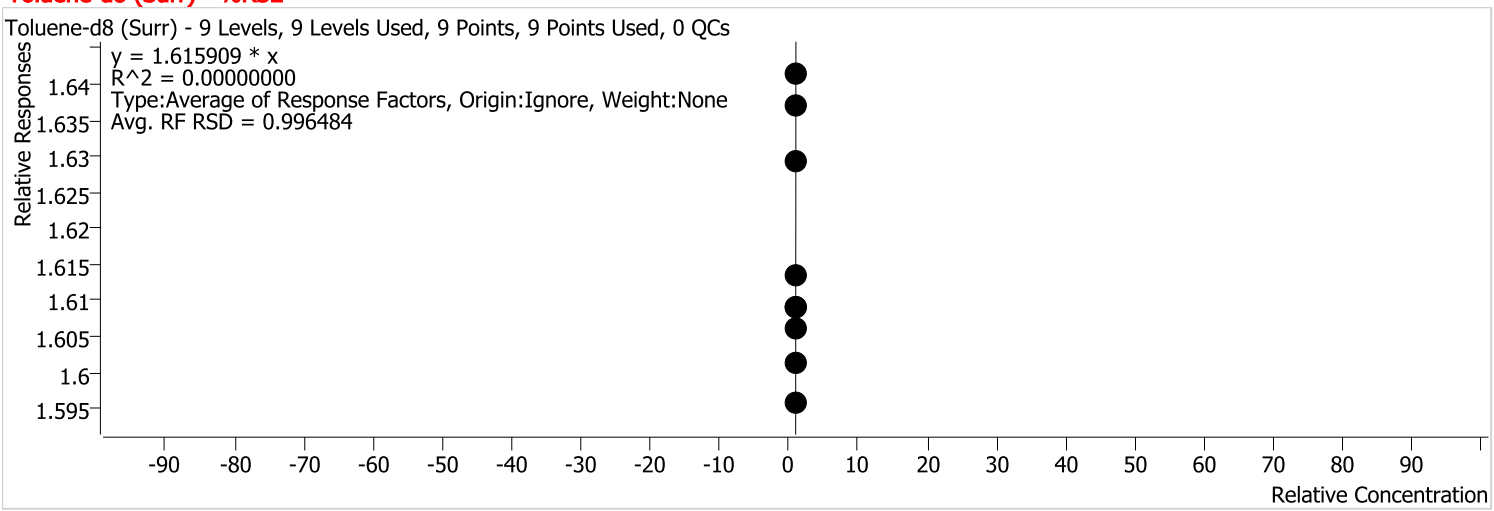
1,4-Dioxane %RSE = 7.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	352	0.2000	0.0114	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	609	1.0000	0.0041	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	974	2.0000	0.0033	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	1645	4.0000	0.0027	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	3670	10.0000	0.0024	
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	6378	20.0000	0.0023	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	13809	40.0000	0.0023	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	35304	100.0000	0.0023	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	70902	200.0000	0.0024	

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:00 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

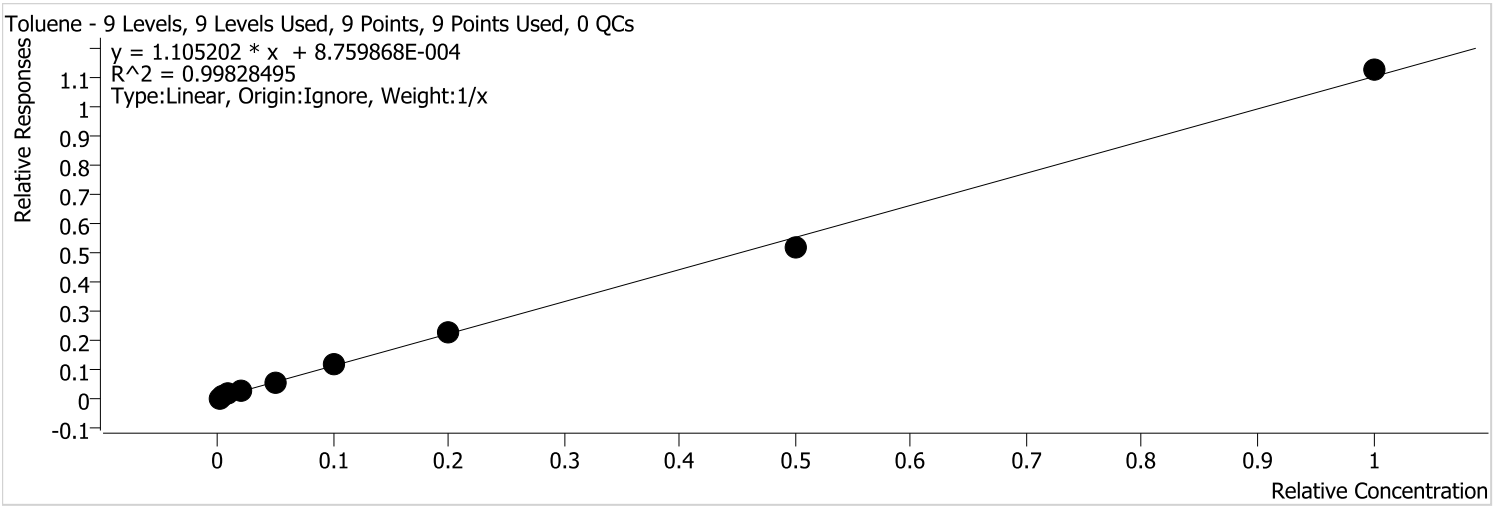
Toluene-d8 (Surr) %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	2250605	10.0000	1.6091	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	2394372	10.0000	1.6414	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	2419742	10.0000	1.6013	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	2414742	10.0000	1.6092	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	2440242	10.0000	1.5959	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	2461573	10.0000	1.6293	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	2403845	10.0000	1.6136	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	2436867	10.0000	1.6370	
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	2483240	10.0000	1.6062	

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:00 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

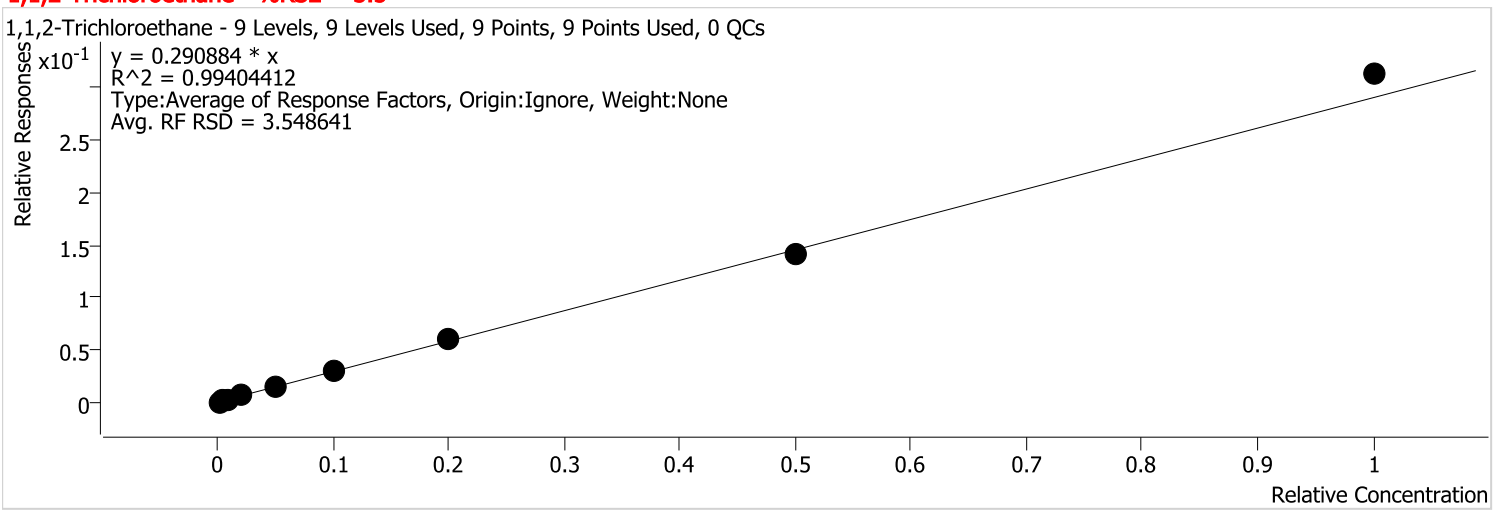
Toluene %RSE = 9.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	2689	0.0100	1.7393	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	9772	0.0500	1.3129	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	19097	0.1000	1.2819	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	36611	0.2000	1.2117	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	87767	0.5000	1.1480	
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	163401	1.0000	1.1683	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	341680	2.0000	1.1385	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	781420	5.0000	1.0342	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	1645340	10.0000	1.1279	

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:01 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

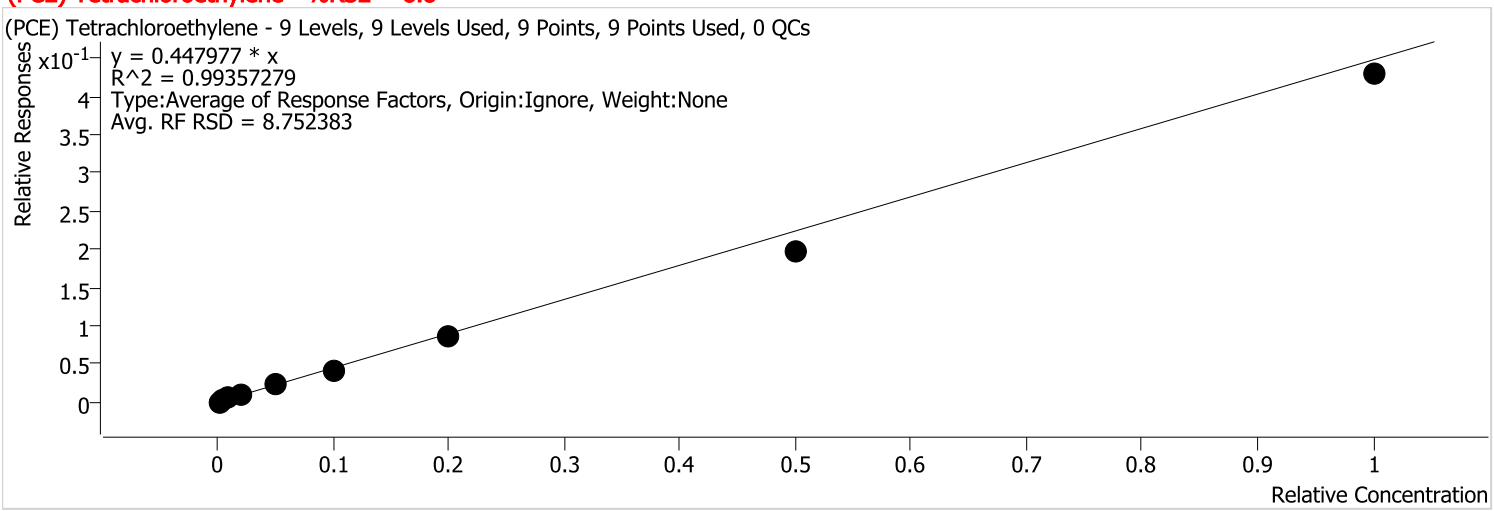
1,1,2-Trichloroethane %RSE = 3.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	430	0.0100	0.2780	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	2119	0.0500	0.2847	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	4308	0.1000	0.2892	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	8878	0.2000	0.2938	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	22036	0.5000	0.2882	
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	40786	1.0000	0.2916	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	89393	2.0000	0.2979	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	212662	5.0000	0.2815	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	456698	10.0000	0.3131	

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:01 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

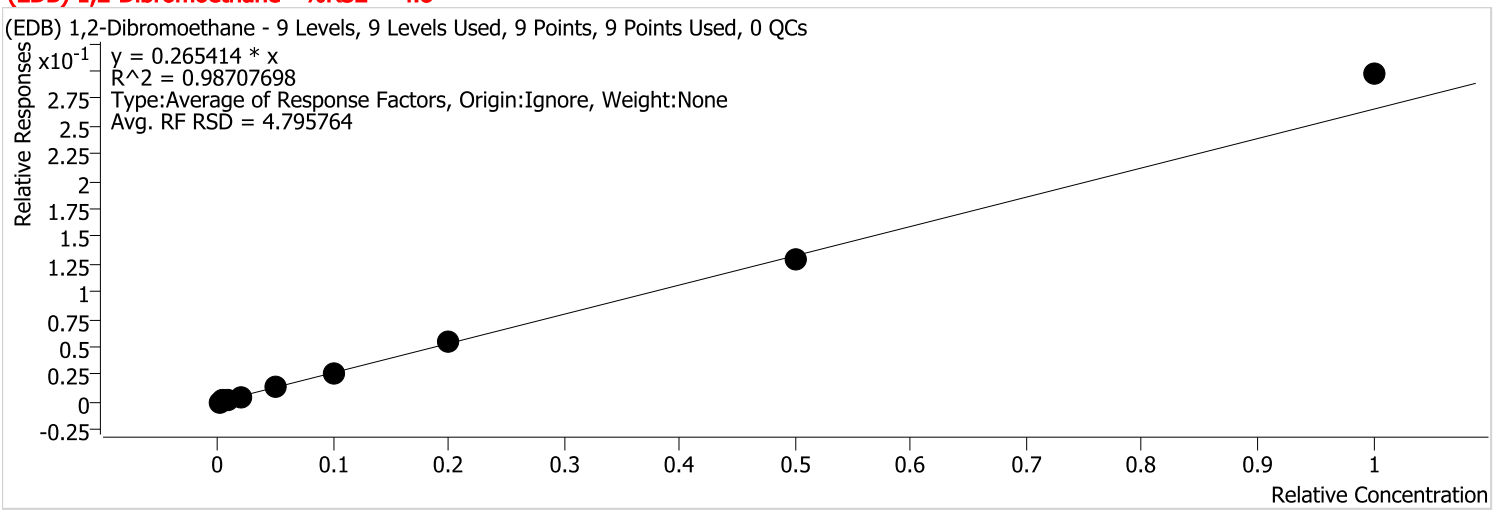
(PCE) Tetrachloroethylene %RSE = 8.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	774	0.0100	0.5009	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	3442	0.0500	0.4625	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	7539	0.1000	0.5061	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	14038	0.2000	0.4646	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	33864	0.5000	0.4430	
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	55975	1.0000	0.4002	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	128619	2.0000	0.4286	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	300019	5.0000	0.3971	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	625709	10.0000	0.4289	

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:01 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

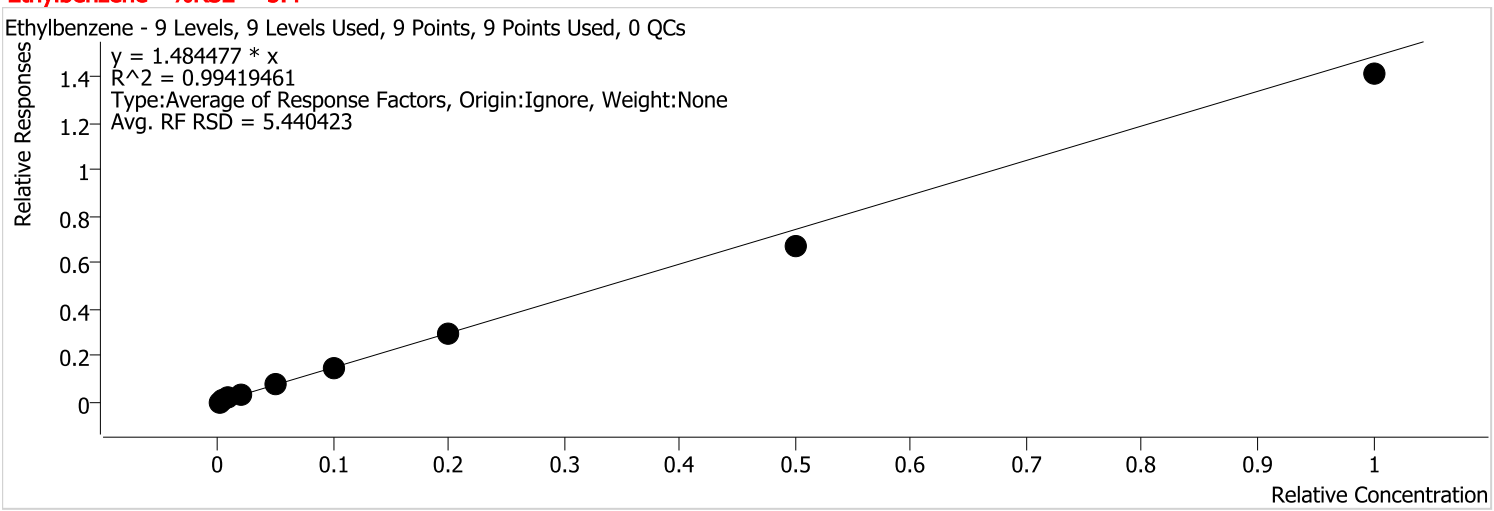
(EDB) 1,2-Dibromoethane %RSE = 4.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	398	0.0100	0.2573	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	1902	0.0500	0.2556	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	3875	0.1000	0.2601	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	7898	0.2000	0.2614	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	20008	0.5000	0.2617	
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	36735	1.0000	0.2626	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	81736	2.0000	0.2723	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	196917	5.0000	0.2606	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	433251	10.0000	0.2970	

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:01 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

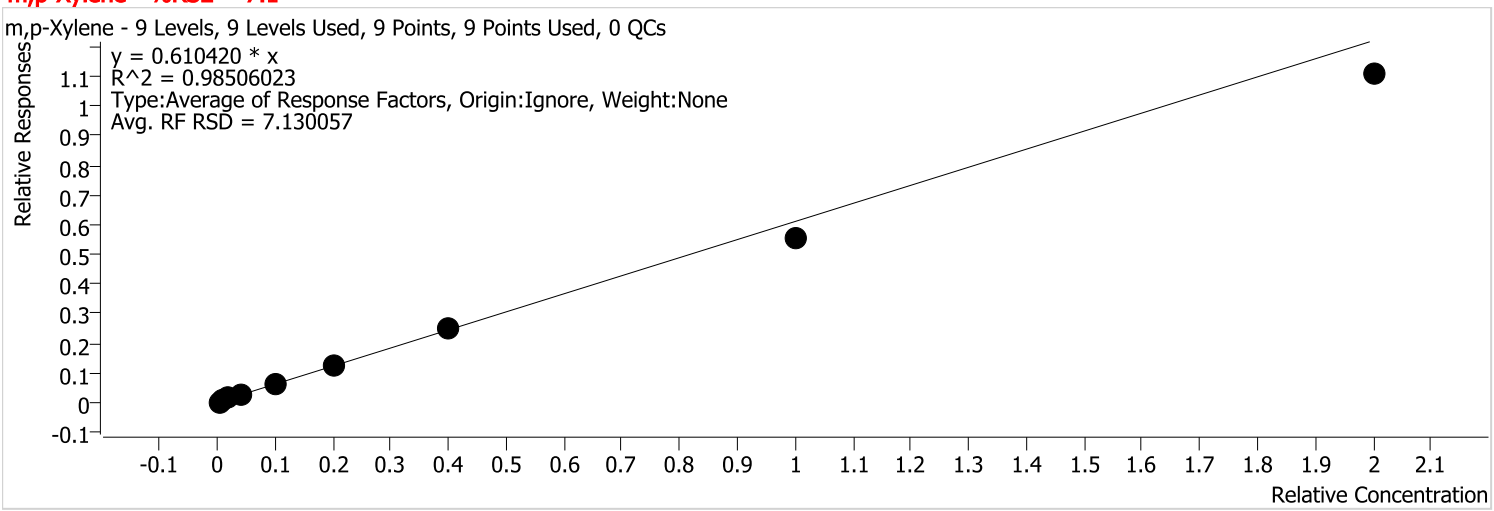
Ethylbenzene %RSE = 5.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	3453	0.0100	1.6318	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	15533	0.0500	1.4779	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	32387	0.1000	1.5640	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	63039	0.2000	1.4902	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	156482	0.5000	1.4824	
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	285458	1.0000	1.4716	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	612935	2.0000	1.4841	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	1393634	5.0000	1.3497	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	2862150	10.0000	1.4087	

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:01 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

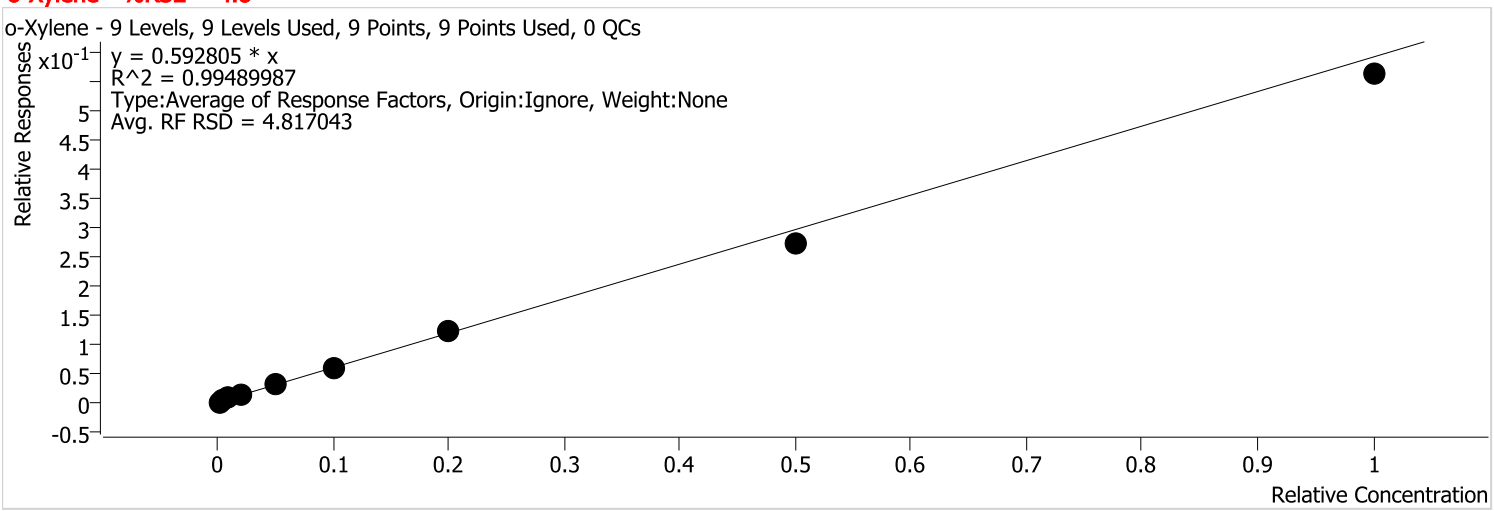
m,p-Xylene %RSE = 7.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	2959	0.0200	0.6992	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	12731	0.1000	0.6056	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	26181	0.2000	0.6322	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	51909	0.4000	0.6135	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	129884	1.0000	0.6152	
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	236611	2.0000	0.6099	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	506698	4.0000	0.6134	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	1138607	10.0000	0.5513	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	2248832	20.0000	0.5534	

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:01 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

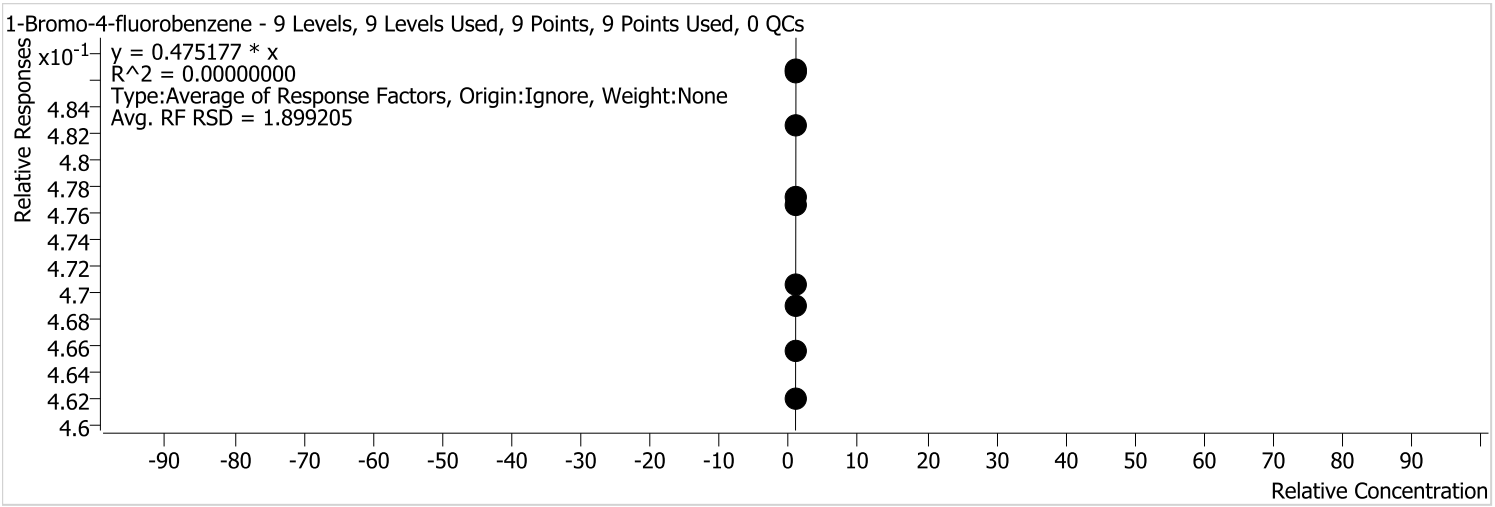
o-Xylene %RSE = 4.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	1372	0.0100	0.6482	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	6126	0.0500	0.5828	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	12438	0.1000	0.6006	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	25147	0.2000	0.5944	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	62853	0.5000	0.5954	
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	117078	1.0000	0.6036	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	248356	2.0000	0.6013	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	563635	5.0000	0.5459	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	1143745	10.0000	0.5629	

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:01 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

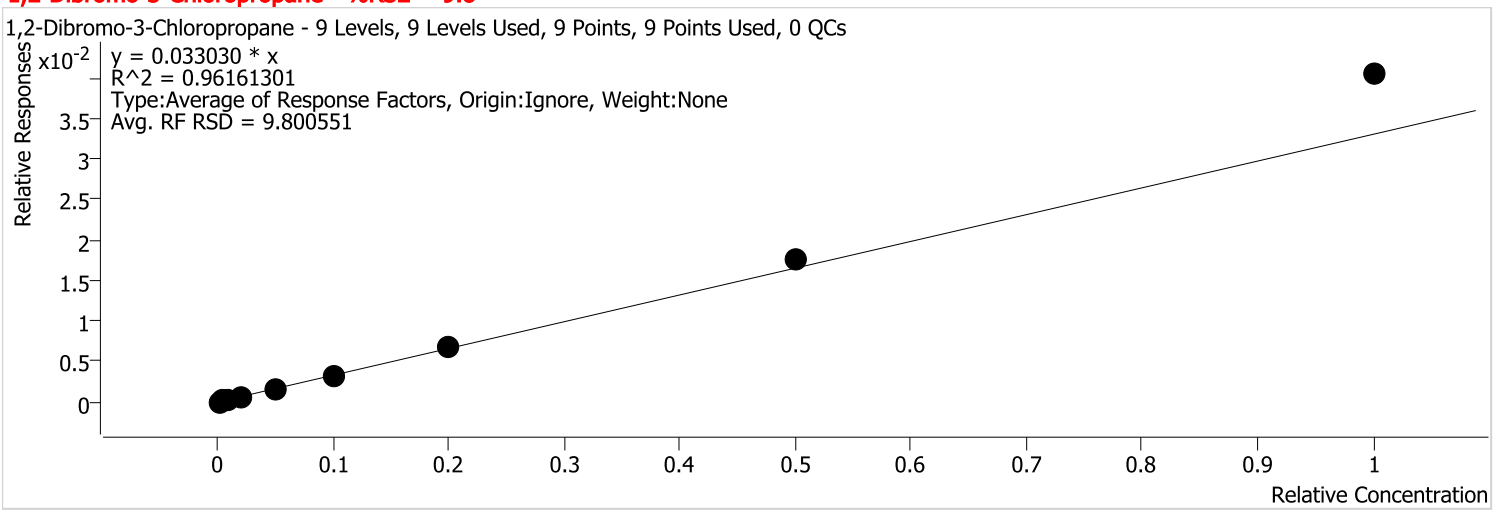
1-Bromo-4-fluorobenzene %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	924375	10.0000	0.4765	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	988929	10.0000	0.4867	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	996579	10.0000	0.4826	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	1004798	10.0000	0.4866	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	1007308	10.0000	0.4771	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	984588	10.0000	0.4655	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	974482	10.0000	0.4706	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	985856	10.0000	0.4690	
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	977567	10.0000	0.4620	

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:01 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

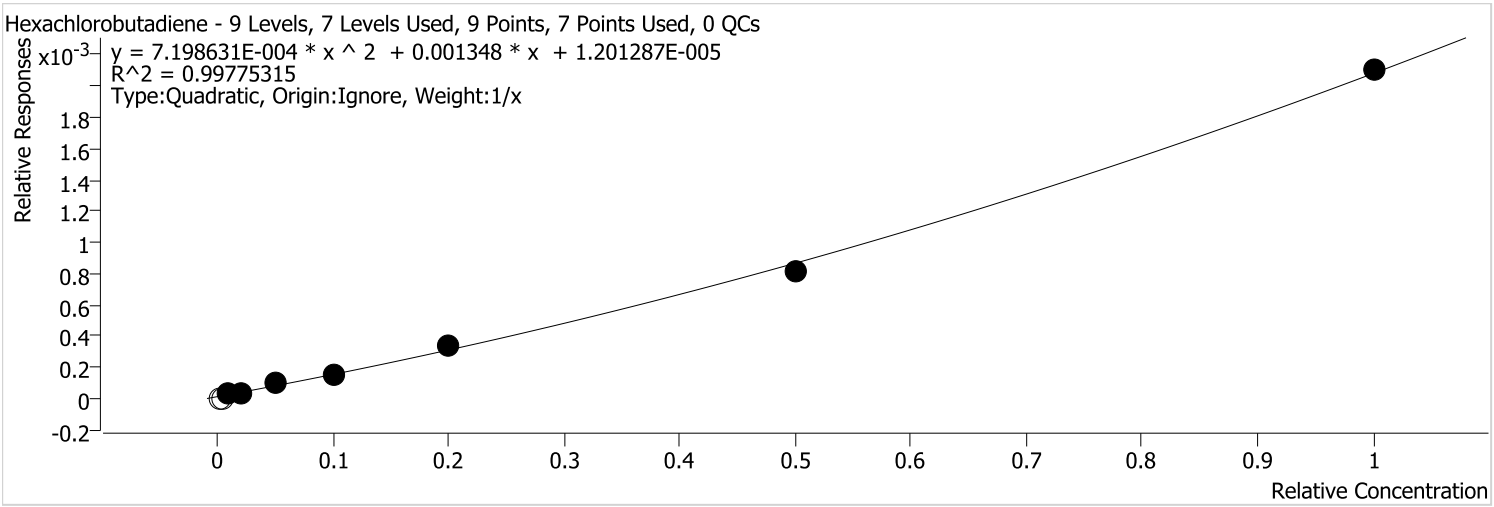
1,2-Dibromo-3-Chloropropane %RSE = 9.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	55	0.0100	0.0337	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	251	0.0500	0.0301	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	511	0.1000	0.0309	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	1010	0.2000	0.0304	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	2699	0.5000	0.0310	
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	5066	1.0000	0.0322	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	11708	2.0000	0.0336	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	30539	5.0000	0.0350	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	71362	10.0000	0.0404	

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:01 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

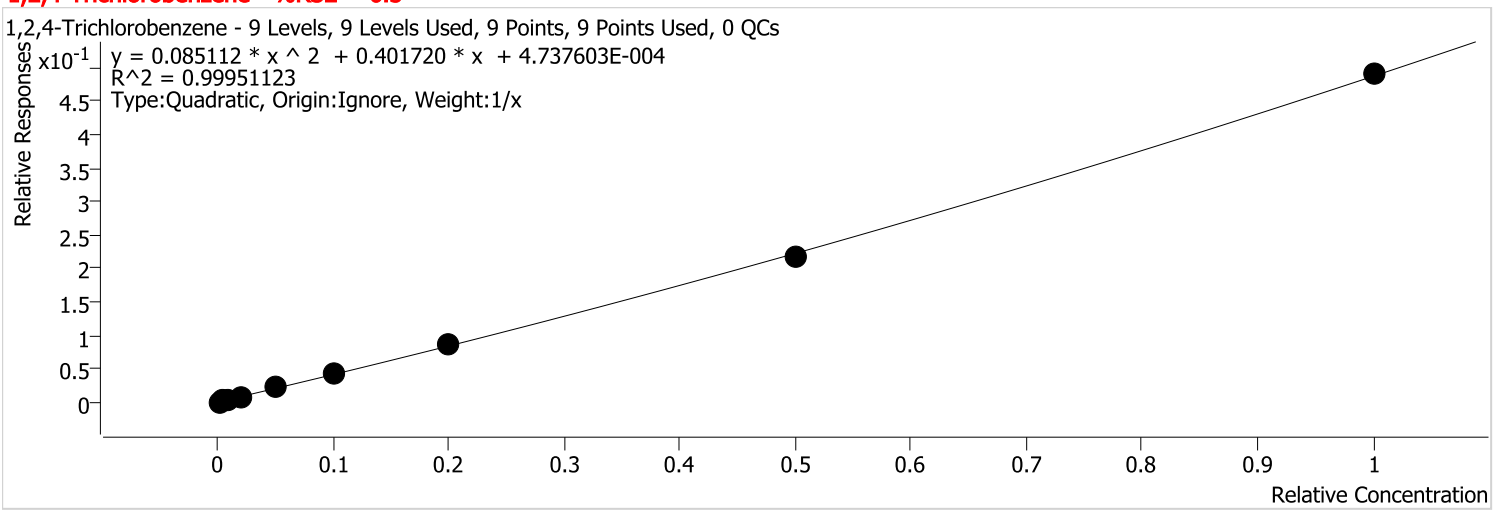
Hexachlorobutadiene %RSE = 13.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120408.D	Calibration	1		8	0.0100	0.0047	
D:\GC-27\DATA\120424\120409.D	Calibration	2		11	0.0500	0.0013	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	42	0.1000	0.0025	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	57	0.2000	0.0017	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	164	0.5000	0.0019	
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	238	1.0000	0.0015	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	585	2.0000	0.0017	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	1425	5.0000	0.0016	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	3707	10.0000	0.0021	

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:01 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,2,4-Trichlorobenzene %RSE = 6.3

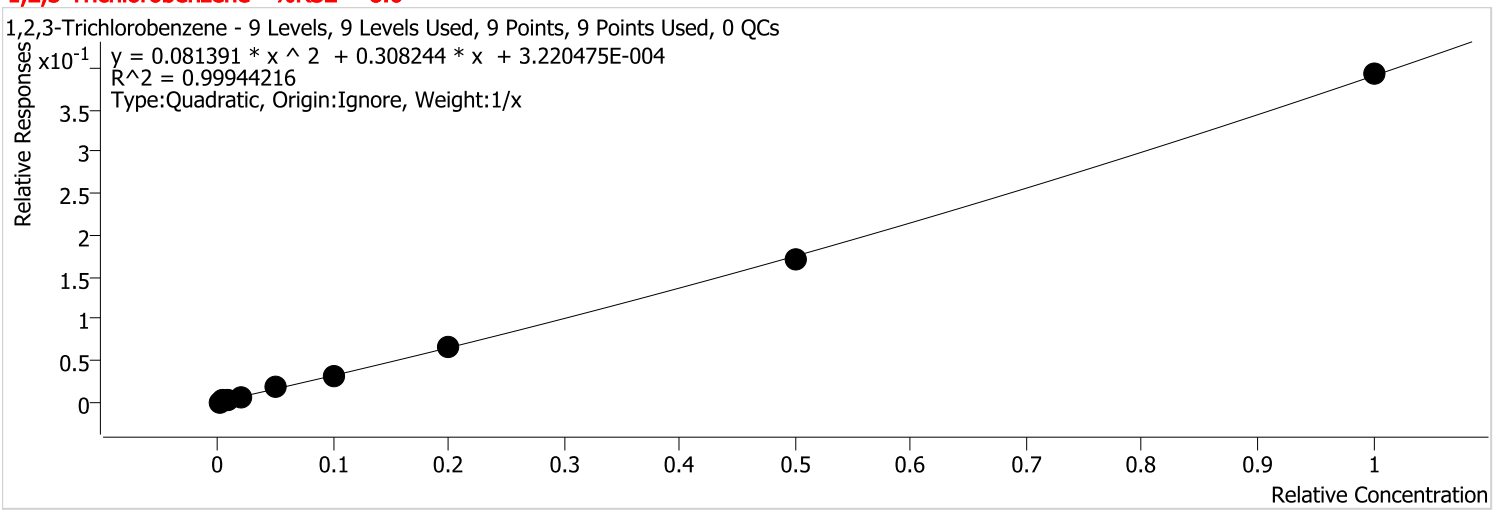


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	1456	0.0100	0.8914	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	3820	0.0500	0.4581	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	7082	0.1000	0.4278	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	14417	0.2000	0.4346	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	39363	0.5000	0.4522	
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	65478	1.0000	0.4159	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	150288	2.0000	0.4312	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	377390	5.0000	0.4324	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	865274	10.0000	0.4900	

Calibration Report

Batch Path	D:\GC-27\DATA\120424\QuantResults\sim w ical.batch.bin		
Analysis Time	12/6/2024 9:11 AM	**Analyst Name**	FA\GC27
Report Time	12/6/2024 9:16:01 AM	**Reporter Name**	FA\GC27
Last Calib Update	12/6/2024 9:09 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,2,3-Trichlorobenzene %RSE = 8.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\120424\120408.D	Calibration	1	x	1066	0.0100	0.6523	
D:\GC-27\DATA\120424\120409.D	Calibration	2	x	2766	0.0500	0.3316	
D:\GC-27\DATA\120424\120410.D	Calibration	3	x	5265	0.1000	0.3180	
D:\GC-27\DATA\120424\120411.D	Calibration	4	x	11217	0.2000	0.3381	
D:\GC-27\DATA\120424\120412.D	Calibration	5	x	30854	0.5000	0.3545	
D:\GC-27\DATA\120424\120426.D	Calibration	6	x	49438	1.0000	0.3140	
D:\GC-27\DATA\120424\120414.D	Calibration	7	x	116222	2.0000	0.3335	
D:\GC-27\DATA\120424\120415.D	Calibration	8	x	297432	5.0000	0.3408	
D:\GC-27\DATA\120424\120416.D	Calibration	9	x	691905	10.0000	0.3918	

SIM VOC Calibration

Fremont Analytical

Date: 12/4/24

Analyst: FG

Instrument: GC-27

Cal		ICV	
8260 Standard:	30458	8260 Standard:	~~30460~~ 30661
1,4-Dioxane Standard:	30752	1,4-Dioxane Standard:	30753

KS 12/5/24

IS/Surrogate 30542

Cal Level	Spike Conc. (ppb)	Intermediate Spike (uL)	Cal 8260 Spike (uL)	Cal Diox Spike (uL)	ICV 8260 Spike (uL)	ICV Diox Spike (uL)	Final Vol. (mL)	Comments
1	0.01	2.50	--	--	--	--	50	
2	0.05	12.50	--	--	--	--	50	
3	0.1	25.00	--	--	--	--	50	
4	0.2	50.00	--	--	--	--	50	
5	0.5	125.00	--	--	--	--	50	
6	1	--	2.50	5.00	--	--	50	
7	2	--	5.00	10.00	--	--	50	
8	5	--	12.50	25.00	--	--	50	
9	10	--	25.00	50.00	--	--	50	
	ICV (5 ppb)	--	--	--	12.50	25.00	50	

	8260 Cal (uL)	Diox Cal (uL)	P&T MeOH (uL)	Final Volume (mL)
Intermediate	10	20	970	1

Signature and Date: Briana Gonzalez 12/4/24

Signature: AK

V-8260 SIM Calibration Bench Sheet v1.1

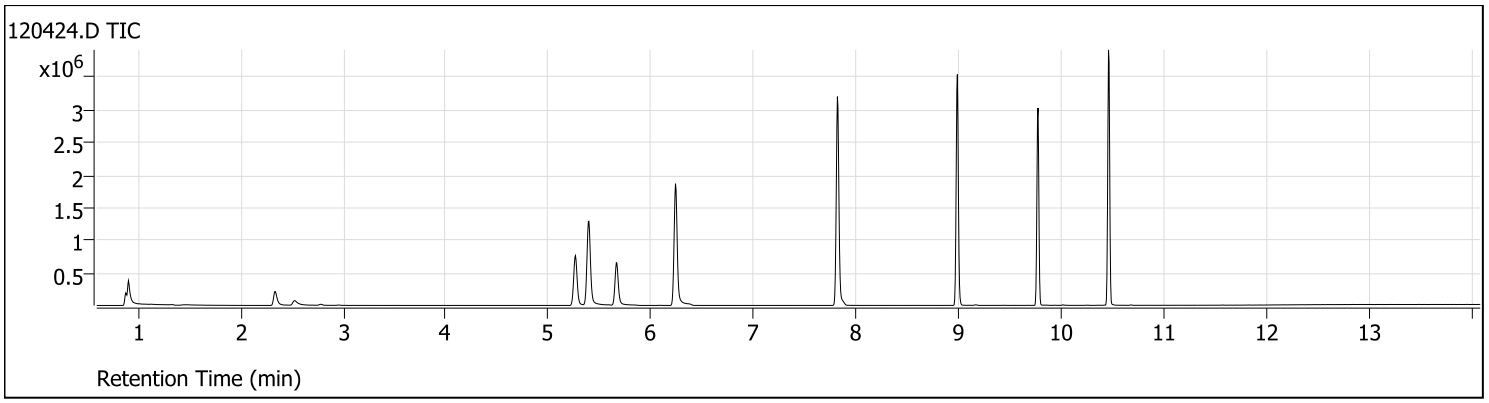
1 of 1

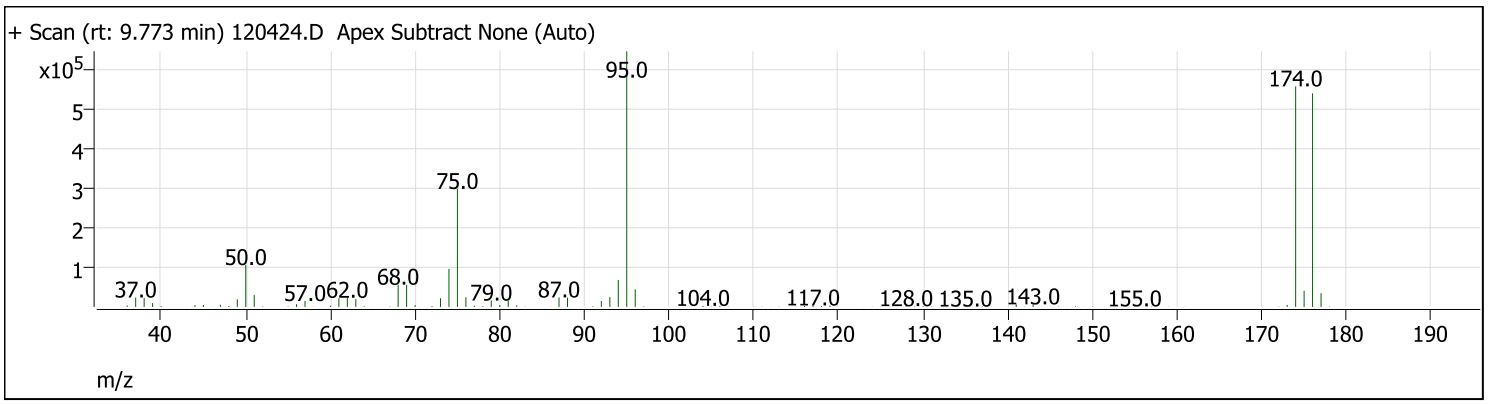
Official Approval: 4/12/2023

Tunes

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\120424\120424.D
Acq on:	12/5/2024 9:43:24 AM
Operator:	MDS/KJ
Sample:	TUNE
Inst Name:	GC-27
ALS Vial:	0
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	115.9	647889	Pass
96	95	5	9	6.9	44611	Pass
173	174	0	2	0.9	5186	Pass
174	95	50	200	86.3	558866	Pass
175	174	5	9	7.3	40963	Pass
176	174	95	105	96.9	541411	Pass
177	176	5	10	6.5	34986	Pass

Internal Standards

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-27_241206B

CCV Name: SIM W 96159

Run No: 96166

CCV SeqNo: 2006545

Lab File ID (Standard): 120415.D

Date Analyzed: 12/4/2024

Instrument ID: GC-27

Time Analyzed: 23:25

GC Column: ID (mm): Length (M):

	IS1 FBZ AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (14DCBZ) AREA #	RT #		
12 HOUR STD	1511097	5.395	2065139	8.988	1745480	10.464		
UPPER LIMIT	3022194	5.895	4130278	9.488	3490960	10.964		
LOWER LIMIT	755549	4.895	1032570	8.488	872740	9.964		
SAMPLE NO.								
01 SIM-CCV-96166A	1.35719e+006	5.395	1.86229e+006	8.99	1.56807e+006	10.465		

IS1 FBZ = Fluorobenzene

IS2 (CBZ) = Chlorobenzene-d5

IS3 (14DCBZ) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-27_241206B

Run No: 96166

Lab File ID (Standard): 120415.D

Instrument ID: GC-27

GC Column: ID (mm):

CCV Name: SIM W 96159

CCV SeqNo: 2006545

Date Analyzed: 12/4/2024

Time Analyzed: 23:25

Length (M):

	12 HOUR STD UPPER LIMIT LOWER LIMIT								
	SAMPLE NO.								
01	SIM-CCV-96166A								

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-27_241206B

CCV Name: SIM-CCV-96166A

Run No: 96166

CCV SeqNo: 2006546

Lab File ID (Standard): 120429.D

Date Analyzed: 12/5/2024

Instrument ID: GC-27

Time Analyzed: 12:24

GC Column: ID (mm): Length (M):

		IS1 FBZ AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (14DCBZ) AREA #	RT #		
	12 HOUR STD	1357190	5.395	1862294	8.990	1568065	10.465		
	UPPER LIMIT	2714380	5.895	3724588	9.490	3136130	10.965		
	LOWER LIMIT	678595	4.895	931147	8.490	784033	9.965		
	SAMPLE NO.								
01	LCS-46053	1.35719e+006	5.395	1.86229e+006	8.99	1.56807e+006	10.465		
02	MB-46053	1.3011e+006	5.395	1.838e+006	8.988	1.42768e+006	10.465		
03	2411560-001A	1.24662e+006	5.397	1.78238e+006	8.989	1.37485e+006	10.465		
04	2411560-002A	1.25655e+006	5.397	1.81664e+006	8.988	1.38703e+006	10.464		
05	2411560-002ADUP	1.26296e+006	5.395	1.77511e+006	8.989	1.37056e+006	10.465		
06	2411560-003A	1.25728e+006	5.395	1.83373e+006	8.99	1.42129e+006	10.465		
07	2411560-004A	1.20461e+006	5.394	1.7307e+006	8.989	1.32639e+006	10.464		
08	2411560-003AMS	1.29319e+006	5.395	1.80204e+006	8.987	1.5216e+006	10.464		

IS1 FBZ = Fluorobenzene

IS2 (CBZ) = Chlorobenzene-d5

IS3 (14DCBZ) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-27_241206B

Run No: 96166

Lab File ID (Standard): 120429.D

Instrument ID: GC-27

GC Column: ID (mm): Length (M):

CCV Name: SIM-CCV-96166A

CCV SeqNo: 2006546

Date Analyzed: 12/5/2024

Time Analyzed: 12:24

	12 HOUR STD UPPER LIMIT LOWER LIMIT								
	SAMPLE NO.								
01	MB-46053								
02	2411560-001A								
03	2411560-002A								
04	2411560-002ADUP								
05	2411560-003A								
06	2411560-004A								
07	2411560-003AMS								
08	LCS-46053								

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Supporting Data

VOC SIM Prep Bench Sheet

Analyst:	KS
Date and Time:	12/5/24
Batch:	46053

Spikes / Chemicals / Reagents	Omega ID	Amount Used	Final Volume
VOC Standard 20 µg/mL (LCS/LCSD)	30661	12.5 µL	50 mL
1,4-Dioxane Standard 2,000 µg/mL (LCS/LCSD)	30753	25 µL	↓
VOC Standard 20 µg/mL (MS/MSD)	30661	10.75 µL	43 mL
1,4-Dioxane Standard 2,000 µg/mL (MS/MSD)	30753	~~12.5~~ µL KS 12/5/24	↓
Methanol (if applicable)		21.5	

Notes/Modifications

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date
	KJ 12/6/24

Equipment	
Pipette:	
Balance:	
Other:	

Dilutions

Sample ID	Dilution Description

Sign and date below if you contributed to the preparation of this batch

Kelsey Jr 12/6/24

Signature: EM
VOC SIM Prep Bench Sheet v1.0

Official Approval: 12/5/2019

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **12/5/2024 12:07:40**
Prep End Date: **12/6/2024 12:04:24**
Technician: **Kelsey Jones**

Prep Factor Units:
mL / mL

Prep Batch ID: **46053** Prep Code: **PREP-5030-SIM** Method No: **SW5030**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46053		Water	40	40	1.000	12/5/2024	12/6/2024
LCS-46053		Water	40	40	1.000	12/5/2024	12/6/2024
2411560-001A	GEI-11-112624	Water	40	40	1.000	12/5/2024	12/6/2024
2411560-002A	GEI-12-112624	Water	40	40	1.000	12/5/2024	12/6/2024
2411560-002ADUP		Water	40	40	1.000	12/5/2024	12/6/2024
2411560-003A	GEI-13-112624	Water	40	40	1.000	12/5/2024	12/6/2024
2411560-003AMS		Water	40	40	1.000	12/5/2024	12/6/2024
2411560-004A	DUP-112624	Water	40	40	1.000	12/5/2024	12/6/2024

Reporting Checklist

Analyst: KJ
Date: 12/6/24
Prep #: 46053
Run(s) #: 96166

Workorder(s): 11560
Analysis: O-VOC-W-SIM

Y/N		Reviewed
Y	**Run complete? (i.e., all QC, samples, dilutions present)**	✔
Y	**All QC within limits?** [ ] Exceedances acceptable per QA Manual and/or Auth'd by PM____?	✔
	☐CCV out ☐LCS out ☐MS out ☐Blank hits ☐IS/surr out ☐RPD out ☐Hold time ☐Other_____	
N	Any pending dilutions, re-extracts, or reanalysis to be completed in future run?	
	Manual entries/narratives reviewed for accuracy? (note below) Analyst: Reviewer:	
✔	**Omega checks performed?**	✔
✔	SampID, Test Code, Type, Prep	
	PMOIST, pH	
✔	BLKref, SPKref, RPDref, CCVref	
✔	Attachments	✔
	☑Sequence ☑Cgrams ☑Bench Sheets ☑Perf Checks ☑Tech Doc	
✔	Related Info	✔
	☑ICAL Ref ☑ICAL Ack/QA'd? ☑Spiking Info/CCV Std ☐_____	
✔	Reporting Checks	✔
	☐Dilutions data/narr redundancy check ☐RLs OK (low wt, high pmoist, dilutions)	

Notes for Reviewer

By signing, I attest that I have followed the SOP

Kelsey Jones 12/6/24
Analyst Date

Savannah Houser 12/6/24
Reviewer Date

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

GeoEngineers
Robert Trahan
2101 4th Ave, Suite 950
Seattle, WA 98121

RE: 701/709 South Jackson, 24504-001-04
Work Order Number: 2411552

December 09, 2024

Attention Robert Trahan:

Fremont Analytical, Inc, an Alliance Technical Group company, received 3 sample(s) on 11/27/2024 for the analyses presented in the following report.

VOCs and APH by EPA Method TO-15/MA APH
Volatile Organic Compounds by EPA TO-15

All analyses were performed according to our accredited Quality Assurance program. Please contact the laboratory if you should have any questions about the results.

Alliance Technical Group is committed to accuracy, speed, and customer service. Thank you for choosing Alliance Technical Group's Seattle laboratory team for your analytical needs. We appreciate this opportunity to serve you!

Sincerely,

Kelley Lovejoy
Project Manager

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.4 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original

Date: *12/09/2024*

CLIENT: GeoEngineers
Project: 701/709 South Jackson
Work Order: 2411552

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2411552-001	VP-2-112624	11/26/2024 12:00 AM	11/27/2024 12:13 PM
2411552-002	VP-1-112624	11/26/2024 12:00 AM	11/27/2024 12:13 PM
2411552-003	Trip Blank	11/26/2024 12:00 AM	11/27/2024 12:13 PM

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

Case Narrative

WO#: **2411552**

Date: **12/9/2024**

CLIENT: GeoEngineers
Project: 701/709 South Jackson

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.

Notation: Samples were inadvertently lost before the He ran and the TO-15 VOC's weren't able to be rerun. We sincerely apologize for any inconvenience this may have caused.

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: **2411552**
Date Reported: **12/9/2024**

Client: GeoEngineers
Collection Date: 11/26/2024
Project: 701/709 South Jackson
Lab ID: 2411552-001
Matrix: Soil Gas
Client Sample ID: **VP-2-112624**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOCs and APH by EPA Method TO-15/MA APH				Batch ID: R96040		Analyst: LB
Aliphatic Hydrocarbon (EC5-8)	ND	30.0		ppbv	1	11/28/2024 6:46:49 AM
Aliphatic Hydrocarbon (EC9-12)	ND	20.0		ppbv	1	11/28/2024 6:46:49 AM
Aromatic Hydrocarbon (EC9-10)	ND	6.00		ppbv	1	11/28/2024 6:46:49 AM
Surr: 4-Bromofluorobenzene	97.2	70 - 130		%Rec	1	11/28/2024 6:46:49 AM
Volatile Organic Compounds by EPA TO-15				Batch ID: R96025		Analyst: LB
Benzene	0.190	0.0400	I	ppbv	1	11/28/2024 6:46:49 AM
Toluene	ND	2.00	I	ppbv	1	11/28/2024 6:46:49 AM
Ethylbenzene	ND	2.00	I	ppbv	1	11/28/2024 6:46:49 AM
m,p-Xylene	ND	4.00	I	ppbv	1	11/28/2024 6:46:49 AM
o-Xylene	ND	2.00	I	ppbv	1	11/28/2024 6:46:49 AM
Naphthalene	ND	0.0560	I	ppbv	1	11/28/2024 6:46:49 AM
Surr: 4-Bromofluorobenzene	93.0	70 - 130	I	%Rec	1	11/28/2024 6:46:49 AM

NOTES:
I - Internal standards were outside of acceptance criteria. Result is an estimate.

Analytical Report

Work Order: **2411552**
Date Reported: **12/9/2024**

Client: GeoEngineers
Project: 701/709 South Jackson
Lab ID: 2411552-002
Client Sample ID: **VP-1-112624**

Collection Date: 11/26/2024
Matrix: Soil Gas

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOCs and APH by EPA Method TO-15/MA APH				Batch ID: R96040		Analyst: LB
Aliphatic Hydrocarbon (EC5-8)	ND	30.0		ppbv	1	11/28/2024 8:16:45 AM
Aliphatic Hydrocarbon (EC9-12)	ND	20.0		ppbv	1	11/28/2024 8:16:45 AM
Aromatic Hydrocarbon (EC9-10)	ND	6.00		ppbv	1	11/28/2024 8:16:45 AM
Surr: 4-Bromofluorobenzene	96.6	70 - 130		%Rec	1	11/28/2024 8:16:45 AM
Volatile Organic Compounds by EPA TO-15				Batch ID: R96025		Analyst: LB
Benzene	0.283	0.0400	I	ppbv	1	11/28/2024 8:16:45 AM
Toluene	3.07	2.00	I	ppbv	1	11/28/2024 8:16:45 AM
Ethylbenzene	ND	2.00	I	ppbv	1	11/28/2024 8:16:45 AM
m,p-Xylene	ND	4.00	I	ppbv	1	11/28/2024 8:16:45 AM
o-Xylene	ND	2.00	I	ppbv	1	11/28/2024 8:16:45 AM
Naphthalene	ND	0.0560	I	ppbv	1	11/28/2024 8:16:45 AM
Surr: 4-Bromofluorobenzene	92.4	70 - 130	I	%Rec	1	11/28/2024 8:16:45 AM

NOTES:
I - Internal standards were outside of acceptance criteria. Result is an estimate.

Analytical Report

Work Order: **2411552**
Date Reported: **12/9/2024**

Client: GeoEngineers
Collection Date: 11/26/2024
Project: 701/709 South Jackson
Lab ID: 2411552-003
Matrix: Air
Client Sample ID: **Trip Blank**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOCs and APH by EPA Method TO-15/MA APH				Batch ID: R96040		Analyst: LB
Aliphatic Hydrocarbon (EC5-8)	ND	30.0		ppbv	1	11/28/2024 9:48:49 AM
Aliphatic Hydrocarbon (EC9-12)	ND	20.0		ppbv	1	11/28/2024 9:48:49 AM
Aromatic Hydrocarbon (EC9-10)	ND	6.00		ppbv	1	11/28/2024 9:48:49 AM
Surr: 4-Bromofluorobenzene	94.0	70 - 130		%Rec	1	11/28/2024 9:48:49 AM
Volatile Organic Compounds by EPA TO-15				Batch ID: R96025		Analyst: LB
Benzene	ND	0.0400	I	ppbv	1	11/28/2024 9:48:49 AM
Toluene	ND	2.00	I	ppbv	1	11/28/2024 9:48:49 AM
Ethylbenzene	ND	2.00	I	ppbv	1	11/28/2024 9:48:49 AM
m,p-Xylene	ND	4.00	I	ppbv	1	11/28/2024 9:48:49 AM
o-Xylene	ND	2.00	I	ppbv	1	11/28/2024 9:48:49 AM
Naphthalene	ND	0.0560	I	ppbv	1	11/28/2024 9:48:49 AM
Surr: 4-Bromofluorobenzene	89.9	70 - 130	I	%Rec	1	11/28/2024 9:48:49 AM

NOTES:
I - Internal standards were outside of acceptance criteria. Result is an estimate.

Work Order: 2411552
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

VOCs and APH by EPA Method TO-15/MA APH

Sample ID: **LCS-R96040** SampType: **LCS** Units: **ppbv** Prep Date: **11/28/2024** RunNo: **96040**
Client ID: **LCSW** Batch ID: **R96040** Analysis Date: **11/28/2024** SeqNo: **2003792**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (EC5-8)	12.8	7.50	12.00	0	107	70	130				
Aliphatic Hydrocarbon (EC9-12)	11.9	5.00	12.00	0	99.4	70	130				
Aromatic Hydrocarbon (EC9-10)	9.20	1.50	10.00	0	92.0	70	130				
Surr: 4-Bromofluorobenzene	3.82		4.000		95.4	70	130				

Sample ID: **MB-R96040** SampType: **MBLK** Units: **ppbv** Prep Date: **11/28/2024** RunNo: **96040**
Client ID: **MBLKW** Batch ID: **R96040** Analysis Date: **11/28/2024** SeqNo: **2003793**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (EC5-8)	ND	7.50									
Aliphatic Hydrocarbon (EC9-12)	ND	5.00									
Aromatic Hydrocarbon (EC9-10)	ND	1.50									
Surr: 4-Bromofluorobenzene	3.76		4.000		94.0	70	130				

Sample ID: **2411552-003AREP** SampType: **REP** Units: **ppbv** Prep Date: **11/28/2024** RunNo: **96040**
Client ID: **Trip Blank** Batch ID: **R96040** Analysis Date: **11/28/2024** SeqNo: **2003797**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (EC5-8)	ND	30.0						0		25	
Aliphatic Hydrocarbon (EC9-12)	ND	20.0						0		25	
Aromatic Hydrocarbon (EC9-10)	ND	6.00						0		25	
Surr: 4-Bromofluorobenzene	15.1		16.00		94.1	70	130		0		

Work Order: 2411552
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Volatile Organic Compounds by EPA TO-15

Sample ID: **LCS-R96025** SampType: **LCS** Units: **ppbv** Prep Date: **11/27/2024** RunNo: **96025**
Client ID: **LCSW** Batch ID: **R96025** Analysis Date: **11/27/2024** SeqNo: **2003600**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2.11	0.0100	2.000	0	105	70	130				
Toluene	2.33	0.500	2.000	0	117	70	130				
Ethylbenzene	2.13	0.500	2.000	0	106	70	130				
m,p-Xylene	4.22	1.00	4.000	0	106	70	130				
o-Xylene	2.12	0.500	2.000	0	106	70	130				
Naphthalene	2.09	0.0140	2.000	0	104	70	130				
Surr: 4-Bromofluorobenzene	3.99		4.000		99.7	70	130				

Sample ID: **MB-R96025** SampType: **MBLK** Units: **ppbv** Prep Date: **11/27/2024** RunNo: **96025**
Client ID: **MBLKW** Batch ID: **R96025** Analysis Date: **11/27/2024** SeqNo: **2003601**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0100									
Toluene	ND	0.500									
Ethylbenzene	ND	0.500									
m,p-Xylene	ND	1.00									
o-Xylene	ND	0.500									
Naphthalene	ND	0.0140									
Surr: 4-Bromofluorobenzene	3.55		4.000		88.9	70	130				

Sample ID: **2411460-002AREP** SampType: **REP** Units: **ppbv** Prep Date: **11/28/2024** RunNo: **96025**
Client ID: **BATCH** Batch ID: **R96025** Analysis Date: **11/28/2024** SeqNo: **2003612**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.15	0.0400						1.163	1.11	25	
Toluene	ND	2.00						0		25	
Ethylbenzene	ND	2.00						0		25	
m,p-Xylene	ND	4.00						0		25	
o-Xylene	ND	2.00						0		25	
Naphthalene	ND	0.0560						0		25	
Surr: 4-Bromofluorobenzene	14.8		16.00		92.5	70	130		0		

Work Order: 2411552
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Volatile Organic Compounds by EPA TO-15

Sample ID: **2411460-002AREP** SampType: **REP** Units: **ppbv** Prep Date: **11/28/2024** RunNo: **96025**
Client ID: **BATCH** Batch ID: **R96025** Analysis Date: **11/28/2024** SeqNo: **2003612**

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

Sample Log-In Check List

Client Name:	GEI	Work Order Number:	2411552
Logged by:	Morgan Wilson	Date Received:	11/27/2024 12:13:00 PM

Chain of Custody

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

Log In

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

Special Handling (if applicable)

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

Person Notified:	Max Nelson	Date:	11/27/2024
By Whom:	Morgan Wilson	Via:	☑ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:	Confirm Analysis, Trip Blank Canister		
Client Instructions:	See Updated COC, Run TB Canister		

17. Additional remarks:

Item Information

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

Air Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical — An Alliance Technical Group Company

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

Date: 11/26/24 Page: 1 of: 1

Laboratory Project No (Internal): 2411552

Project Name: 701/709 South Jackson

Special Remarks:

Project No: 24504-001-04

Client: GeoEngineers

Location: Seattle WA

Address: 2101 4th Ave, Suite 950

Collected by: MN

City, State, Zip: Seattle WA 98121

Reports to (PM): Robert Trahan

Disposal: Samples will be disposed of one week after report is submitted unless otherwise requested. ☐ Retain volume (specify above) ☐ Return to client

Telephone: 206 240 2300

Email (PM): rtrahan@geoengineers.com

Fax: rtrahan@geoengineers.com

	Sample Name	Canister / Flow Reg Serial #	Sample Type (Matrix) *	Container Type **	Expected Fill Time / Flow Rate	Sample Start Date & Time	Field Initial Sample Pressure (" Hg)	Sample End Date & Time	Field Final Sample Pressure (" Hg)	Analysis: Full list VOCs TO15	Select VOCs TO15 ***	APH TO15	Siloxanes TO15	Sulfur TO15	Major Gases 3C	Helium 3C Mod	VOCs 8260	GX/BTEX 8260		Comments
1	VP-2-112624 ~~241126~~	4691 / FC-28	S	1.4L	150CC/MIN	11/26/24	30.0	11/26/24	5.0											
2	VP-1-112624 ~~241126~~	4686 / FC-10	S	1.4L	150CC/MIN	11/26/24	30.0	11/26/24	10.0											* Vacuum stalled at 10" for 10 min. Possibly gauge issue
3	Trip blank	10374		1.4L																
4																				
5																				

* Matrix Codes: AA = Ambient Air OA = Outdoor Air IA = Indoor Air S = Subslab / Soil Gas SVE = SVE RNG = Biogas / Landfill / Digester

** Container Codes: BV = 1 Liter Bottle Vac 6L = 6L Canister 1L = 1L Canister CYL = High Pressure Cylinder F = Filter S = Sorbent Tube TB = Tedlar Bag

*** Select one: ☐ BTEXN & APH ☐ PCE & Breakdown ☐ Other, specify in comments

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	Max-Henry Nelson	11/27/24	x		
x	Thomas Krull	11/27	x	Jonathan Hawthorne	11/27/24 1213

Air Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical — An Alliance Technical Group Company

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

Date: 11/26/24 Page: 1 of: 1

Laboratory Project No (Internal): 2411552

Project Name: 701/709 South Jackson

Special Remarks: Update per MN -mw 11/27/24

Client: GeoEngineers

Project No: 24504-001-04

Address: 2101 4th Ave, Suite 950

Location: Seattle WA

City, State, Zip: Seattle WA 98121

Collected by: MN

Telephone: 206 240 2300

Reports to (PM): Robert Trahan

Disposal: Samples will be disposed of one week after report is submitted unless otherwise requested. ☐ Retain volume (specify above) ☐ Return to client

Fax: rtrahan@geoengineers.com

Email (PM): rtrahan@geoengineers.com

	Sample Name	Canister / Flow Reg Serial #	Sample Type (Matrix) *	Container Type **	Expected Fill Time / Flow Rate	Sample Start Date & Time	Field Initial Sample Pressure (" Hg)	Sample End Date & Time	Field Final Sample Pressure (" Hg)	Analysis: Full list VOCs TO15	Select VOCs TO15 ***	APH TO15 *	Siloxanes TO15	Sulfur TO15	Major Gases 3C	Helium 3C Mod	VOCs 8260	Helium using Modified ASTM D-1496	Comments
1	VP-2 ~~[illegible]~~ 11 26 24	4691 FC-28	S	1.4L	150CC/ MIN	11/26/24	30.0	11/26/24	5.0		X	X						X	
2	VP-1 ~~[illegible]~~ 11 26 24	4686 FC-10	S	1.4L	150CC/ MIN	11/26/24	30.0	11/26/24	10.0		X	X						X	* Vacuum stalled at 10" for 10 min. Possibly gauge issue
3	Trip blank	10374		1.4L							X	X						X	
4																			
5																			

(MN-2024-11-27)

** *Petroleum equivalent carbon (EC) fractions including EC5-8 (aliphatics), EC9-12 (aliphatics) and EC9-10 (aromatics) by Modified TO-15 Air-Phase Petroleum Hydrocarbon (APH) analysis.

**please fill canister with inert gas and analyze it.

* Matrix Codes: AA = Ambient Air OA = Outdoor Air IA = Indoor Air S = Subslab / Soil Gas SVE = SVE RNG = Biogas / Landfill / Digester

** Container Codes: BV = 1 Liter Bottle Vac 6L = 6L Canister 1L = 1L Canister CYL = High Pressure Cylinder F = Filter S = Sorbent Tube TB = Tedlar Bag

*** Select one: [X] BTEXN & APH ☐ PCE & Breakdown ☐ Other, specify in comments

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]	Max-Henry Nelson	11/27/24	x		
x [signature]	Thomas Krull	11/27	x [signature]	Jon Jack Hawthorne	11/27/24 1213

COC Air 1.7 12.15.23

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GeoEngineers
Robert Trahan
2101 4th Ave, Suite 950
Seattle, WA 98121

RE: 701/709 South Jackson St., 24504-001-04
Work Order Number: 2502393

February 27, 2025

Attention Robert Trahan:

Alliance Technical Group, LLC - Seattle received 5 sample(s) on 2/20/2025 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx
Dissolved Metals by EPA 6020B
Gasoline by NWTPH-Gx
PAHs by EPA Method 8270E SIM
Total Metals by EPA 6020B
Volatile Organic Compounds by EPA 8260D

All analyses were performed according to our accredited Quality Assurance program. Please contact the laboratory if you should have any questions about the results.

Alliance Technical Group is committed to accuracy, speed, and customer service. Thank you for choosing Alliance Technical Group's Seattle laboratory team for your analytical needs. We appreciate this opportunity to serve you!

Sincerely,

Brianna Barnes
Project Manager

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.4 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original

Date: *02/27/2025*

CLIENT: GeoEngineers
Project: 701/709 South Jackson St.
Work Order: 2502393

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2502393-001	GEI-11_022025	02/20/2025 1:25 PM	02/20/2025 4:24 PM
2502393-002	GEI-12_022025	02/20/2025 2:20 PM	02/20/2025 4:24 PM
2502393-003	GEI-13_022025	02/20/2025 3:15 PM	02/20/2025 4:24 PM
2502393-004	GEI-DUP_022025	02/20/2025 12:00 PM	02/20/2025 4:24 PM
2502393-005	Trip Blank-022025	02/20/2025 12:00 AM	02/20/2025 4:24 PM

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

Original

Case Narrative

WO#: **2502393**

Date: **2/27/2025**

CLIENT: GeoEngineers

Project: 701/709 South Jackson St.

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.

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: **2502393**
Date Reported: **2/27/2025**

Client: GeoEngineers
Collection Date: 2/20/2025 1:25:00 PM
Project: 701/709 South Jackson St.
Lab ID: 2502393-001
Matrix: Water
Client Sample ID: **GEI-11_022025**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx				Batch ID: 46849		Analyst: AP
Diesel Range Organics	ND	95.7		µg/L	1	2/25/2025 4:38:22 PM
Heavy Oil	ND	144		µg/L	1	2/25/2025 4:38:22 PM
Total Petroleum Hydrocarbons	ND	239		µg/L	1	2/25/2025 4:38:22 PM
Surr: 2-Fluorobiphenyl	74.7	50 - 150		%Rec	1	2/25/2025 4:38:22 PM
Surr: o-Terphenyl	76.4	50 - 150		%Rec	1	2/25/2025 4:38:22 PM
PAHs by EPA Method 8270E SIM				Batch ID: 46844		Analyst: SH
Naphthalene	ND	0.0959		µg/L	1	2/25/2025 1:17:24 PM
2-Methylnaphthalene	ND	0.0959		µg/L	1	2/25/2025 1:17:24 PM
1-Methylnaphthalene	ND	0.0959		µg/L	1	2/25/2025 1:17:24 PM
Surr: 2-Fluorobiphenyl	104	61.4 - 134		%Rec	1	2/25/2025 1:17:24 PM
Surr: Terphenyl-d14	125	43.2 - 155		%Rec	1	2/25/2025 1:17:24 PM
Gasoline by NWTPH-Gx				Batch ID: 46845		Analyst: LN
Gasoline Range Organics	ND	50.0		µg/L	1	2/21/2025 3:45:07 PM
Surr: Toluene-d8	99.6	65 - 135		%Rec	1	2/21/2025 3:45:07 PM
Surr: 4-Bromofluorobenzene	99.8	65 - 135		%Rec	1	2/21/2025 3:45:07 PM
Volatile Organic Compounds by EPA 8260D				Batch ID: 46845		Analyst: LN
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	2/21/2025 3:45:07 PM
1,2-Dichloroethane (EDC)	ND	0.200		µg/L	1	2/21/2025 3:45:07 PM
Benzene	ND	0.100		µg/L	1	2/21/2025 3:45:07 PM
Toluene	ND	0.100		µg/L	1	2/21/2025 3:45:07 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	2/21/2025 3:45:07 PM
Ethylbenzene	ND	0.100		µg/L	1	2/21/2025 3:45:07 PM
m,p-Xylene	ND	0.200		µg/L	1	2/21/2025 3:45:07 PM
o-Xylene	ND	0.100		µg/L	1	2/21/2025 3:45:07 PM
Surr: Dibromofluoromethane	113	70 - 130		%Rec	1	2/21/2025 3:45:07 PM
Surr: Toluene-d8	102	70 - 130		%Rec	1	2/21/2025 3:45:07 PM
Surr: 1-Bromo-4-fluorobenzene	100	70 - 130		%Rec	1	2/21/2025 3:45:07 PM
Dissolved Metals by EPA 6020B				Batch ID: 46847		Analyst: ME
Lead	ND	0.300		µg/L	1	2/24/2025 5:38:00 PM

Analytical Report

Work Order: **2502393**
Date Reported: **2/27/2025**

Client: GeoEngineers
Project: 701/709 South Jackson St.
Lab ID: 2502393-001
Client Sample ID: **GEI-11_022025**

Collection Date: 2/20/2025 1:25:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA 6020B				Batch ID: 46857		Analyst: ME
Lead	ND	0.300		µg/L	1	2/25/2025 7:25:00 PM

Analytical Report

Work Order: **2502393**
Date Reported: **2/27/2025**

Client: GeoEngineers
Collection Date: 2/20/2025 2:20:00 PM
Project: 701/709 South Jackson St.
Lab ID: 2502393-002
Matrix: Water
Client Sample ID: **GEI-12_022025**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx				Batch ID: 46849		Analyst: AP
Diesel Range Organics	ND	96.4		µg/L	1	2/25/2025 4:50:08 PM
Heavy Oil	ND	145		µg/L	1	2/25/2025 4:50:08 PM
Total Petroleum Hydrocarbons	ND	241		µg/L	1	2/25/2025 4:50:08 PM
Surr: 2-Fluorobiphenyl	71.6	50 - 150		%Rec	1	2/25/2025 4:50:08 PM
Surr: o-Terphenyl	69.5	50 - 150		%Rec	1	2/25/2025 4:50:08 PM
PAHs by EPA Method 8270E SIM				Batch ID: 46844		Analyst: SH
Naphthalene	ND	0.0965		µg/L	1	2/25/2025 1:34:05 PM
2-Methylnaphthalene	ND	0.0965		µg/L	1	2/25/2025 1:34:05 PM
1-Methylnaphthalene	ND	0.0965		µg/L	1	2/25/2025 1:34:05 PM
Surr: 2-Fluorobiphenyl	110	61.4 - 134		%Rec	1	2/25/2025 1:34:05 PM
Surr: Terphenyl-d14	128	43.2 - 155		%Rec	1	2/25/2025 1:34:05 PM
Gasoline by NWTPH-Gx				Batch ID: 46845		Analyst: LN
Gasoline Range Organics	ND	50.0		µg/L	1	2/21/2025 4:11:32 PM
Surr: Toluene-d8	101	65 - 135		%Rec	1	2/21/2025 4:11:32 PM
Surr: 4-Bromofluorobenzene	99.9	65 - 135		%Rec	1	2/21/2025 4:11:32 PM
Volatile Organic Compounds by EPA 8260D				Batch ID: 46845		Analyst: LN
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	2/21/2025 4:11:32 PM
1,2-Dichloroethane (EDC)	ND	0.200		µg/L	1	2/21/2025 4:11:32 PM
Benzene	ND	0.100		µg/L	1	2/21/2025 4:11:32 PM
Toluene	ND	0.100		µg/L	1	2/21/2025 4:11:32 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	2/21/2025 4:11:32 PM
Ethylbenzene	ND	0.100		µg/L	1	2/21/2025 4:11:32 PM
m,p-Xylene	ND	0.200		µg/L	1	2/21/2025 4:11:32 PM
o-Xylene	ND	0.100		µg/L	1	2/21/2025 4:11:32 PM
Surr: Dibromofluoromethane	114	70 - 130		%Rec	1	2/21/2025 4:11:32 PM
Surr: Toluene-d8	103	70 - 130		%Rec	1	2/21/2025 4:11:32 PM
Surr: 1-Bromo-4-fluorobenzene	101	70 - 130		%Rec	1	2/21/2025 4:11:32 PM
Dissolved Metals by EPA 6020B				Batch ID: 46847		Analyst: ME
Lead	ND	0.300		µg/L	1	2/24/2025 5:54:00 PM

Analytical Report

Work Order: **2502393**
Date Reported: **2/27/2025**

Client: GeoEngineers
Project: 701/709 South Jackson St.
Lab ID: 2502393-002
Client Sample ID: **GEI-12_022025**

Collection Date: 2/20/2025 2:20:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA 6020B				Batch ID: 46857		Analyst: ME
Lead	ND	0.300		µg/L	1	2/25/2025 7:28:00 PM

Analytical Report

Work Order: **2502393**
Date Reported: **2/27/2025**

Client: GeoEngineers
Collection Date: 2/20/2025 3:15:00 PM
Project: 701/709 South Jackson St.
Lab ID: 2502393-003
Matrix: Water
Client Sample ID: **GEI-13_022025**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx				Batch ID: 46849		Analyst: AP
Diesel Range Organics	164	94.5		µg/L	1	2/25/2025 5:01:51 PM
Heavy Oil	ND	142		µg/L	1	2/25/2025 5:01:51 PM
Total Petroleum Hydrocarbons	ND	236		µg/L	1	2/25/2025 5:01:51 PM
Surr: 2-Fluorobiphenyl	75.7	50 - 150		%Rec	1	2/25/2025 5:01:51 PM
Surr: o-Terphenyl	81.7	50 - 150		%Rec	1	2/25/2025 5:01:51 PM
NOTES: Chromatographic pattern indicates an unresolved complex mixture, which may be weathered and/or organic material. Detection is biased high due to non-petroleum compounds						
PAHs by EPA Method 8270E SIM				Batch ID: 46844		Analyst: SH
Naphthalene	ND	0.0961		µg/L	1	2/25/2025 1:50:42 PM
2-Methylnaphthalene	ND	0.0961		µg/L	1	2/25/2025 1:50:42 PM
1-Methylnaphthalene	ND	0.0961		µg/L	1	2/25/2025 1:50:42 PM
Surr: 2-Fluorobiphenyl	103	61.4 - 134		%Rec	1	2/25/2025 1:50:42 PM
Surr: Terphenyl-d14	130	43.2 - 155		%Rec	1	2/25/2025 1:50:42 PM
Gasoline by NWTPH-Gx				Batch ID: 46845		Analyst: LN
Gasoline Range Organics	ND	50.0		µg/L	1	2/21/2025 4:37:57 PM
Surr: Toluene-d8	100	65 - 135		%Rec	1	2/21/2025 4:37:57 PM
Surr: 4-Bromofluorobenzene	100	65 - 135		%Rec	1	2/21/2025 4:37:57 PM
Volatile Organic Compounds by EPA 8260D				Batch ID: 46845		Analyst: LN
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	2/21/2025 4:37:57 PM
1,2-Dichloroethane (EDC)	ND	0.200		µg/L	1	2/21/2025 4:37:57 PM
Benzene	ND	0.100		µg/L	1	2/21/2025 4:37:57 PM
Toluene	ND	0.100		µg/L	1	2/21/2025 4:37:57 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	2/21/2025 4:37:57 PM
Ethylbenzene	ND	0.100		µg/L	1	2/21/2025 4:37:57 PM
m,p-Xylene	ND	0.200		µg/L	1	2/21/2025 4:37:57 PM
o-Xylene	ND	0.100		µg/L	1	2/21/2025 4:37:57 PM
Surr: Dibromofluoromethane	115	70 - 130		%Rec	1	2/21/2025 4:37:57 PM
Surr: Toluene-d8	104	70 - 130		%Rec	1	2/21/2025 4:37:57 PM
Surr: 1-Bromo-4-fluorobenzene	102	70 - 130		%Rec	1	2/21/2025 4:37:57 PM

Analytical Report

Work Order: **2502393**
Date Reported: **2/27/2025**

Client: GeoEngineers
Project: 701/709 South Jackson St.
Lab ID: 2502393-003
Client Sample ID: **GEI-13_022025**

Collection Date: 2/20/2025 3:15:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Metals by EPA 6020B				Batch ID: 46847		Analyst: ME
Lead	ND	0.300		µg/L	1	2/24/2025 5:57:00 PM
Total Metals by EPA 6020B				Batch ID: 46857		Analyst: ME
Lead	ND	0.300		µg/L	1	2/25/2025 7:31:00 PM

Analytical Report

Work Order: **2502393**
Date Reported: **2/27/2025**

Client: GeoEngineers
Collection Date: 2/20/2025 12:00:00 PM
Project: 701/709 South Jackson St.
Lab ID: 2502393-004
Matrix: Water
Client Sample ID: **GEI-DUP_022025**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx				Batch ID: 46849		Analyst: AP
Diesel Range Organics	264	94.1		µg/L	1	2/25/2025 5:13:36 PM
Heavy Oil	ND	141		µg/L	1	2/25/2025 5:13:36 PM
Total Petroleum Hydrocarbons	264	235		µg/L	1	2/25/2025 5:13:36 PM
Surr: 2-Fluorobiphenyl	78.0	50 - 150		%Rec	1	2/25/2025 5:13:36 PM
Surr: o-Terphenyl	87.4	50 - 150		%Rec	1	2/25/2025 5:13:36 PM
NOTES: Chromatographic pattern indicates an unresolved complex mixture, which may be weathered and/or organic material Detection is biased high due to non-petroleum compounds						
PAHs by EPA Method 8270E SIM				Batch ID: 46844		Analyst: SH
Naphthalene	ND	0.0962		µg/L	1	2/25/2025 2:07:17 PM
2-Methylnaphthalene	ND	0.0962		µg/L	1	2/25/2025 2:07:17 PM
1-Methylnaphthalene	ND	0.0962		µg/L	1	2/25/2025 2:07:17 PM
Surr: 2-Fluorobiphenyl	99.1	61.4 - 134		%Rec	1	2/25/2025 2:07:17 PM
Surr: Terphenyl-d14	124	43.2 - 155		%Rec	1	2/25/2025 2:07:17 PM
Gasoline by NWTPH-Gx				Batch ID: 46845		Analyst: LN
Gasoline Range Organics	ND	50.0		µg/L	1	2/21/2025 5:04:21 PM
Surr: Toluene-d8	100	65 - 135		%Rec	1	2/21/2025 5:04:21 PM
Surr: 4-Bromofluorobenzene	99.8	65 - 135		%Rec	1	2/21/2025 5:04:21 PM
Volatile Organic Compounds by EPA 8260D				Batch ID: 46845		Analyst: LN
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	2/21/2025 5:04:21 PM
1,2-Dichloroethane (EDC)	ND	0.200		µg/L	1	2/21/2025 5:04:21 PM
Benzene	ND	0.100		µg/L	1	2/21/2025 5:04:21 PM
Toluene	ND	0.100		µg/L	1	2/21/2025 5:04:21 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	2/21/2025 5:04:21 PM
Ethylbenzene	ND	0.100		µg/L	1	2/21/2025 5:04:21 PM
m,p-Xylene	ND	0.200		µg/L	1	2/21/2025 5:04:21 PM
o-Xylene	ND	0.100		µg/L	1	2/21/2025 5:04:21 PM
Surr: Dibromofluoromethane	113	70 - 130		%Rec	1	2/21/2025 5:04:21 PM
Surr: Toluene-d8	102	70 - 130		%Rec	1	2/21/2025 5:04:21 PM
Surr: 1-Bromo-4-fluorobenzene	102	70 - 130		%Rec	1	2/21/2025 5:04:21 PM

Analytical Report

Work Order: **2502393**
Date Reported: **2/27/2025**

Client: GeoEngineers
Collection Date: 2/20/2025 12:00:00 PM
Project: 701/709 South Jackson St.
Lab ID: 2502393-004
Matrix: Water
Client Sample ID: **GEI-DUP_022025**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Metals by EPA 6020B				Batch ID: 46847		Analyst: ME
Lead	ND	0.300		µg/L	1	2/24/2025 6:00:00 PM
Total Metals by EPA 6020B				Batch ID: 46857		Analyst: ME
Lead	ND	0.300		µg/L	1	2/25/2025 7:35:00 PM

Analytical Report

Work Order: **2502393**
Date Reported: **2/27/2025**

Client: GeoEngineers **Collection Date:** 2/20/2025
Project: 701/709 South Jackson St.
Lab ID: 2502393-005 **Matrix:** Water
Client Sample ID: **Trip Blank-022025**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 46845		Analyst: LN
Gasoline Range Organics	ND	50.0		µg/L	1	2/21/2025 3:18:43 PM
Surr: Toluene-d8	101	65 - 135		%Rec	1	2/21/2025 3:18:43 PM
Surr: 4-Bromofluorobenzene	100	65 - 135		%Rec	1	2/21/2025 3:18:43 PM
Volatile Organic Compounds by EPA 8260D				Batch ID: 46845		Analyst: LN
Benzene	ND	0.100		µg/L	1	2/21/2025 3:18:43 PM
Toluene	ND	0.100		µg/L	1	2/21/2025 3:18:43 PM
Ethylbenzene	ND	0.100		µg/L	1	2/21/2025 3:18:43 PM
m,p-Xylene	ND	0.200		µg/L	1	2/21/2025 3:18:43 PM
o-Xylene	ND	0.100		µg/L	1	2/21/2025 3:18:43 PM
Surr: Dibromofluoromethane	111	70 - 130		%Rec	1	2/21/2025 3:18:43 PM
Surr: Toluene-d8	101	70 - 130		%Rec	1	2/21/2025 3:18:43 PM
Surr: 1-Bromo-4-fluorobenzene	102	70 - 130		%Rec	1	2/21/2025 3:18:43 PM

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Dissolved Metals by EPA 6020B

Sample ID: **ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **2/24/2025**	RunNo: **97847**
Client ID: **ICB**	Batch ID: **46847**		Analysis Date: **2/24/2025**	SeqNo: **2038588**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **ICV**	SampType: **ICV**	Units: **µg/L**	Prep Date: **2/24/2025**	RunNo: **97847**
Client ID: **ICV**	Batch ID: **46847**		Analysis Date: **2/24/2025**	SeqNo: **2038589**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	49.4	0.300	50.00	0	98.7	90	110				

Sample ID: **ICSA**	SampType: **ICSA**	Units: **µg/L**	Prep Date: **2/24/2025**	RunNo: **97847**
Client ID: **ICSA**	Batch ID: **46847**		Analysis Date: **2/24/2025**	SeqNo: **2038590**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300	0.6120	0	2.78		100				

Sample ID: **CCV-A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **2/24/2025**	RunNo: **97847**
Client ID: **CCV**	Batch ID: **46847**		Analysis Date: **2/24/2025**	SeqNo: **2038598**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	50.4	0.300	50.00	0	101	90	110				

Sample ID: **CCB-A**	SampType: **CCB**	Units: **µg/L**	Prep Date: **2/24/2025**	RunNo: **97847**
Client ID: **CCB**	Batch ID: **46847**		Analysis Date: **2/24/2025**	SeqNo: **2038599**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Dissolved Metals by EPA 6020B

Sample ID: **MB-46847**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **2/24/2025**	RunNo: **97847**
Client ID: **MBLKW**	Batch ID: **46847**		Analysis Date: **2/24/2025**	SeqNo: **2038600**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **LCS-46847**	SampType: **LCS**	Units: **µg/L**	Prep Date: **2/24/2025**	RunNo: **97847**
Client ID: **LCSW**	Batch ID: **46847**		Analysis Date: **2/24/2025**	SeqNo: **2038601**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	49.5	0.300	50.00	0	99.0	80	120				

Sample ID: **2502393-001CDUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **2/24/2025**	RunNo: **97847**
Client ID: **GEI-11_022025**	Batch ID: **46847**		Analysis Date: **2/24/2025**	SeqNo: **2038603**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300						0		20	

Sample ID: **2502393-001CMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **2/24/2025**	RunNo: **97847**
Client ID: **GEI-11_022025**	Batch ID: **46847**		Analysis Date: **2/24/2025**	SeqNo: **2038604**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	51.9	0.300	50.00	0	104	75	125				

Sample ID: **2502393-001CMSD**	SampType: **MSD**	Units: **µg/L**	Prep Date: **2/24/2025**	RunNo: **97847**
Client ID: **GEI-11_022025**	Batch ID: **46847**		Analysis Date: **2/24/2025**	SeqNo: **2038605**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	52.8	0.300	50.00	0	106	75	125	51.86	1.71	20	

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Dissolved Metals by EPA 6020B

Sample ID: **CCV-B**	SampType: **CCV**	Units: **µg/L**	Prep Date: **2/24/2025**	RunNo: **97847**
Client ID: **CCV**	Batch ID: **46847**		Analysis Date: **2/24/2025**	SeqNo: **2038610**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	51.8	0.300	50.00	0	104	90	110				

Sample ID: **CCB-B**	SampType: **CCB**	Units: **µg/L**	Prep Date: **2/24/2025**	RunNo: **97847**
Client ID: **CCB**	Batch ID: **46847**		Analysis Date: **2/24/2025**	SeqNo: **2038611**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: **ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **2/25/2025**	RunNo: **97868**
Client ID: **ICB**	Batch ID: **46857**		Analysis Date: **2/25/2025**	SeqNo: **2039055**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **ICV**	SampType: **ICV**	Units: **µg/L**	Prep Date: **2/25/2025**	RunNo: **97868**
Client ID: **ICV**	Batch ID: **46857**		Analysis Date: **2/25/2025**	SeqNo: **2039056**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	50.1	0.300	50.00	0	100	90	110				

Sample ID: **ICSA**	SampType: **ICSA**	Units: **µg/L**	Prep Date: **2/25/2025**	RunNo: **97868**
Client ID: **ICSA**	Batch ID: **46857**		Analysis Date: **2/25/2025**	SeqNo: **2039057**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300	0.6120	0	3.27		100				

Sample ID: **CCV-A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **2/25/2025**	RunNo: **97868**
Client ID: **CCV**	Batch ID: **46857**		Analysis Date: **2/25/2025**	SeqNo: **2039058**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	49.5	0.300	50.00	0	99.1	90	110				

Sample ID: **CCB-A**	SampType: **CCB**	Units: **µg/L**	Prep Date: **2/25/2025**	RunNo: **97868**
Client ID: **CCB**	Batch ID: **46857**		Analysis Date: **2/25/2025**	SeqNo: **2039059**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: **CCV-B**	SampType: **CCV**	Units: **µg/L**	Prep Date: **2/25/2025**	RunNo: **97868**
Client ID: **CCV**	Batch ID: **46857**		Analysis Date: **2/25/2025**	SeqNo: **2039065**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	50.6	0.300	50.00	0	101	90	110				

Sample ID: **CCB-B**	SampType: **CCB**	Units: **µg/L**	Prep Date: **2/25/2025**	RunNo: **97868**
Client ID: **CCB**	Batch ID: **46857**		Analysis Date: **2/25/2025**	SeqNo: **2039066**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **CCV-C**	SampType: **CCV**	Units: **µg/L**	Prep Date: **2/25/2025**	RunNo: **97868**
Client ID: **CCV**	Batch ID: **46857**		Analysis Date: **2/25/2025**	SeqNo: **2039071**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	52.5	0.300	50.00	0	105	90	110				

Sample ID: **CCB-C**	SampType: **CCB**	Units: **µg/L**	Prep Date: **2/25/2025**	RunNo: **97868**
Client ID: **CCB**	Batch ID: **46857**		Analysis Date: **2/25/2025**	SeqNo: **2039072**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **CCV-D**	SampType: **CCV**	Units: **µg/L**	Prep Date: **2/25/2025**	RunNo: **97868**
Client ID: **CCV**	Batch ID: **46857**		Analysis Date: **2/25/2025**	SeqNo: **2039073**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	53.3	0.300	50.00	0	107	90	110				

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: **CCB-D**	SampType: **CCB**			Units: **µg/L**		Prep Date: **2/25/2025**		RunNo: **97868**		
Client ID: **CCB**	Batch ID: **46857**					Analysis Date: **2/25/2025**		SeqNo: **2039074**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **MB-46857**	SampType: **MBLK**			Units: **µg/L**		Prep Date: **2/25/2025**		RunNo: **97868**		
Client ID: **MBLKW**	Batch ID: **46857**					Analysis Date: **2/25/2025**		SeqNo: **2039075**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **LCS-46857**	SampType: **LCS**			Units: **µg/L**		Prep Date: **2/25/2025**		RunNo: **97868**		
Client ID: **LCSW**	Batch ID: **46857**					Analysis Date: **2/25/2025**		SeqNo: **2039076**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	55.2	0.300	50.00	0	110	80	120				

Sample ID: **2502364-001BMS**	SampType: **MS**			Units: **µg/L**		Prep Date: **2/25/2025**		RunNo: **97868**		
Client ID: **BATCH**	Batch ID: **46857**					Analysis Date: **2/25/2025**		SeqNo: **2039078**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	52.9	0.300	50.00	1.001	104	75	125				

Sample ID: **2502364-001BMSD**	SampType: **MSD**			Units: **µg/L**		Prep Date: **2/25/2025**		RunNo: **97868**		
Client ID: **BATCH**	Batch ID: **46857**					Analysis Date: **2/25/2025**		SeqNo: **2039080**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	53.5	0.300	50.00	1.001	105	75	125	52.93	1.05	20	

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: **CCV-E**	SampType: **CCV**	Units: **µg/L**	Prep Date: **2/25/2025**	RunNo: **97868**
Client ID: **CCV**	Batch ID: **46857**		Analysis Date: **2/25/2025**	SeqNo: **2039085**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	52.5	0.300	50.00	0	105	90	110				

Sample ID: **CCB-E**	SampType: **CCB**	Units: **µg/L**	Prep Date: **2/25/2025**	RunNo: **97868**
Client ID: **CCB**	Batch ID: **46857**		Analysis Date: **2/25/2025**	SeqNo: **2039086**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **CCV-F**	SampType: **CCV**	Units: **µg/L**	Prep Date: **2/25/2025**	RunNo: **97868**
Client ID: **CCV**	Batch ID: **46857**		Analysis Date: **2/25/2025**	SeqNo: **2039097**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	52.8	0.300	50.00	0	106	90	110				

Sample ID: **CCB-F**	SampType: **CCB**	Units: **µg/L**	Prep Date: **2/25/2025**	RunNo: **97868**
Client ID: **CCB**	Batch ID: **46857**		Analysis Date: **2/25/2025**	SeqNo: **2039098**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **CCV-G**	SampType: **CCV**	Units: **µg/L**	Prep Date: **2/25/2025**	RunNo: **97868**
Client ID: **CCV**	Batch ID: **46857**		Analysis Date: **2/25/2025**	SeqNo: **2039103**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	54.2	0.300	50.00	0	108	90	110				

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: **CCB-G** SampType: **CCB** Units: **µg/L** Prep Date: **2/25/2025** RunNo: **97868**
Client ID: **CCB** Batch ID: **46857** Analysis Date: **2/25/2025** SeqNo: **2039104**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **HO ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **4/9/2024**	RunNo: **90866**
Client ID: **ICB**	Batch ID: **46849**		Analysis Date: **4/9/2024**	SeqNo: **1894779**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	ND	100									
Surr: 2-Fluorobiphenyl	10.3		10.00		103	50	150				
Surr: o-Terphenyl	10.3		10.00		103	50	150				

Sample ID: **HO ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **4/9/2024**	RunNo: **90866**
Client ID: **ICV**	Batch ID: **46849**		Analysis Date: **4/9/2024**	SeqNo: **1894787**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	584	100	500.0	0	117	70	130				
Surr: 2-Fluorobiphenyl	9.88		10.00		98.8	50	150				
Surr: o-Terphenyl	9.93		10.00		99.3	50	150				

Sample ID: **DX ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **4/9/2024**	RunNo: **90866**
Client ID: **ICB**	Batch ID: **46849**		Analysis Date: **4/9/2024**	SeqNo: **1894788**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	ND	50.0									
Surr: 2-Fluorobiphenyl	9.97		10.00		99.7	50	150				
Surr: o-Terphenyl	10.6		10.00		106	50	150				

Sample ID: **DX ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **4/9/2024**	RunNo: **90866**
Client ID: **ICV**	Batch ID: **46849**		Analysis Date: **4/9/2024**	SeqNo: **1894796**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	478	50.0	500.0	0	95.6	70	130				
Surr: 2-Fluorobiphenyl	9.42		10.00		94.2	50	150				
Surr: o-Terphenyl	11.6		10.00		116	50	150				

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **OIL-CCV-46849A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **2/25/2025**	RunNo: **97856**
Client ID: **CCV**	Batch ID: **46849**		Analysis Date: **2/25/2025**	SeqNo: **2038763**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	488	150	500.0	0	97.6	85	115				
Surr: 2-Fluorobiphenyl	7.69		10.00		76.9	50	150				
Surr: o-Terphenyl	8.16		10.00		81.6	50	150				

Sample ID: **DX-CCV-46849A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **2/25/2025**	RunNo: **97856**
Client ID: **CCV**	Batch ID: **46849**		Analysis Date: **2/25/2025**	SeqNo: **2038764**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	481	100	500.0	0	96.1	85	115				
Surr: 2-Fluorobiphenyl	9.37		10.00		93.7	50	150				
Surr: o-Terphenyl	10.7		10.00		107	50	150				

Sample ID: **MB-46849**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **2/24/2025**	RunNo: **97856**
Client ID: **MBLKW**	Batch ID: **46849**		Analysis Date: **2/25/2025**	SeqNo: **2038765**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	ND	100									
Heavy Oil	ND	150									
Total Petroleum Hydrocarbons	ND	250									
Surr: 2-Fluorobiphenyl	19.5		25.00		77.9	50	150				
Surr: o-Terphenyl	19.9		25.00		79.7	50	150				

Sample ID: **LCS-46849**	SampType: **LCS**	Units: **µg/L**	Prep Date: **2/24/2025**	RunNo: **97856**
Client ID: **LCSW**	Batch ID: **46849**		Analysis Date: **2/25/2025**	SeqNo: **2038766**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	998	250	1,250	0	79.8	47.5	118				
Surr: 2-Fluorobiphenyl	18.8		25.00		75.3	50	150				
Surr: o-Terphenyl	21.4		25.00		85.4	50	150				

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **LCSD-46849**	SampType: **LCSD**	Units: **µg/L**	Prep Date: **2/24/2025**	RunNo: **97856**
Client ID: **LCSW02**	Batch ID: **46849**		Analysis Date: **2/25/2025**	SeqNo: **2038767**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	1,000	250	1,250	0	80.4	47.5	118	997.6	0.705	30	
Surr: 2-Fluorobiphenyl	19.0		25.00		76.1	50	150		0		
Surr: o-Terphenyl	22.4		25.00		89.6	50	150		0		

Sample ID: **OIL-CCV-46849B**	SampType: **CCV**	Units: **µg/L**	Prep Date: **2/25/2025**	RunNo: **97856**
Client ID: **CCV**	Batch ID: **46849**		Analysis Date: **2/25/2025**	SeqNo: **2038769**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	501	150	500.0	0	100	85	115				
Surr: 2-Fluorobiphenyl	7.88		10.00		78.8	50	150				
Surr: o-Terphenyl	8.37		10.00		83.7	50	150				

Sample ID: **DX-CCV-46849B**	SampType: **CCV**	Units: **µg/L**	Prep Date: **2/25/2025**	RunNo: **97856**
Client ID: **CCV**	Batch ID: **46849**		Analysis Date: **2/25/2025**	SeqNo: **2038770**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	486	100	500.0	0	97.1	85	115				
Surr: 2-Fluorobiphenyl	9.36		10.00		93.6	50	150				
Surr: o-Terphenyl	10.9		10.00		109	50	150				

Sample ID: **OIL-CCV-46849C**	SampType: **CCV**	Units: **µg/L**	Prep Date: **2/25/2025**	RunNo: **97856**
Client ID: **CCV**	Batch ID: **46849**		Analysis Date: **2/25/2025**	SeqNo: **2040215**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	512	150	500.0	0	102	85	115				
Surr: 2-Fluorobiphenyl	7.78		10.00		77.8	50	150				
Surr: o-Terphenyl	8.33		10.00		83.3	50	150				

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **DX-CCV-46849C** SampType: **CCV** Units: **µg/L** Prep Date: **2/25/2025** RunNo: **97856**
Client ID: **CCV** Batch ID: **46849** Analysis Date: **2/25/2025** SeqNo: **2040217**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	488	100	500.0	0	97.6	85	115				
Surr: 2-Fluorobiphenyl	9.65		10.00		96.5	50	150				
Surr: o-Terphenyl	10.9		10.00		109	50	150				

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: **PAH ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **2/5/2025**	RunNo: **97466**
Client ID: **ICB**	Batch ID: **46844**		Analysis Date: **2/5/2025**	SeqNo: **2031002**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	0.670	0.0200									
2-Methylnaphthalene	0.337	0.0200									
1-Methylnaphthalene	0.295	0.0200									
Surr: 2-Fluorobiphenyl	496		500.0		99.2	50.4	142				
Surr: Terphenyl-d14 (surr)	555		500.0		111	48.8	157				

Sample ID: **PAH ICV**	SampType: **ICV**	Units: **µg/L**	Prep Date: **2/5/2025**	RunNo: **97466**
Client ID: **ICV**	Batch ID: **46844**		Analysis Date: **2/5/2025**	SeqNo: **2031003**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,040	0.0200	1,000	0	104	70	130				
2-Methylnaphthalene	1,160	0.0200	1,000	0	116	70	130				
1-Methylnaphthalene	1,020	0.0200	1,000	0	102	70	130				
Surr: 2-Fluorobiphenyl	535		500.0		107	69.5	150				
Surr: Terphenyl-d14 (surr)	556		500.0		111	71.6	145				

Sample ID: **CCV-46844A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **2/24/2025**	RunNo: **97891**
Client ID: **CCV**	Batch ID: **46844**		Analysis Date: **2/24/2025**	SeqNo: **2039551**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	951	0.100	1,000	0	95.1	80	120				
2-Methylnaphthalene	1,060	0.100	1,000	0	106	80	120				
1-Methylnaphthalene	976	0.100	1,000	0	97.6	80	120				
Surr: 2-Fluorobiphenyl	479		500.0		95.8	70.2	145				
Surr: Terphenyl-d14	505		500.0		101	71.3	142				

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: **MB-46844**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **2/21/2025**	RunNo: **97891**
Client ID: **MBLKW**	Batch ID: **46844**		Analysis Date: **2/24/2025**	SeqNo: **2039552**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.100									
2-Methylnaphthalene	ND	0.100									
1-Methylnaphthalene	ND	0.100									
Surr: 2-Fluorobiphenyl	2.31		2.500		92.2	12.8	129				
Surr: Terphenyl-d14	2.65		2.500		106	12.7	150				

Sample ID: **LCS-46844**	SampType: **LCS**	Units: **µg/L**	Prep Date: **2/21/2025**	RunNo: **97891**
Client ID: **LCSW**	Batch ID: **46844**		Analysis Date: **2/24/2025**	SeqNo: **2039553**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	3.65	0.100	5.000	0	72.9	47.8	102				
2-Methylnaphthalene	4.22	0.100	5.000	0	84.5	43.7	106				
1-Methylnaphthalene	3.85	0.100	5.000	0	76.9	49.4	105				
Surr: 2-Fluorobiphenyl	2.41		2.500		96.4	61.4	134				
Surr: Terphenyl-d14	2.63		2.500		105	43.2	155				

Sample ID: **LCSD-46844**	SampType: **LCSD**	Units: **µg/L**	Prep Date: **2/21/2025**	RunNo: **97891**
Client ID: **LCSW02**	Batch ID: **46844**		Analysis Date: **2/24/2025**	SeqNo: **2039554**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	3.65	0.100	5.000	0	73.0	47.8	102	3.646	0.156	30	
2-Methylnaphthalene	4.25	0.100	5.000	0	85.1	43.7	106	4.225	0.653	30	
1-Methylnaphthalene	3.87	0.100	5.000	0	77.3	49.4	105	3.845	0.575	30	
Surr: 2-Fluorobiphenyl	2.43		2.500		97.3	61.4	134		0		
Surr: Terphenyl-d14	2.66		2.500		106	43.2	155		0		

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: **CCV-46844B** SampType: **CCV** Units: **µg/L** Prep Date: **2/25/2025** RunNo: **97891**
Client ID: **CCV** Batch ID: **46844** Analysis Date: **2/25/2025** SeqNo: **2039587**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	950	0.100	1,000	0	95.0	80	120				
2-Methylnaphthalene	1,040	0.100	1,000	0	104	80	120				
1-Methylnaphthalene	974	0.100	1,000	0	97.4	80	120				
Surr: 2-Fluorobiphenyl	489		500.0		97.9	70.2	145				
Surr: Terphenyl-d14	524		500.0		105	71.3	142				

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **1/23/2025**	RunNo: **97187**
Client ID: **ICB**	Batch ID: **46845**		Analysis Date: **1/23/2025**	SeqNo: **2025736**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	50.0									
Surr: Toluene-d8	23.9		25.00		95.6	65	135				
Surr: 4-Bromofluorobenzene	23.6		25.00		94.4	65	135				

Sample ID: **ICV**	SampType: **ICV**	Units: **µg/L**	Prep Date: **1/23/2025**	RunNo: **97187**
Client ID: **ICV**	Batch ID: **46845**		Analysis Date: **1/23/2025**	SeqNo: **2025737**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	413	50.0	500.0	0	82.7	80	120				
Surr: Toluene-d8	23.6		25.00		94.5	65	135				
Surr: 4-Bromofluorobenzene	24.5		25.00		98.1	65	135				

Sample ID: **GX CCV 46845A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **2/21/2025**	RunNo: **97824**
Client ID: **CCV**	Batch ID: **46845**		Analysis Date: **2/21/2025**	SeqNo: **2038027**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	526	50.0	500.0	0	105	80	120				
Surr: Toluene-d8	24.7		25.00		98.9	65	135				
Surr: 4-Bromofluorobenzene	25.2		25.00		101	65	135				

Sample ID: **LCS-46845**	SampType: **LCS**	Units: **µg/L**	Prep Date: **2/21/2025**	RunNo: **97824**
Client ID: **LCSW**	Batch ID: **46845**		Analysis Date: **2/21/2025**	SeqNo: **2038036**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	526	50.0	500.0	0	105	65	135				
Surr: Toluene-d8	24.7		25.00		98.9	65	135				
Surr: 4-Bromofluorobenzene	25.2		25.00		101	65	135				

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **MB-46845**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **2/21/2025**	RunNo: **97824**
Client ID: **MBLKW**	Batch ID: **46845**		Analysis Date: **2/21/2025**	SeqNo: **2038028**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	50.0									
Surr: Toluene-d8	25.1		25.00		100	65	135				
Surr: 4-Bromofluorobenzene	25.5		25.00		102	65	135				

Sample ID: **2502393-004ADUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **2/21/2025**	RunNo: **97824**
Client ID: **GEI-DUP_022025**	Batch ID: **46845**		Analysis Date: **2/21/2025**	SeqNo: **2038034**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	50.0						0		30	
Surr: Toluene-d8	25.2		25.00		101	65	135		0		
Surr: 4-Bromofluorobenzene	24.8		25.00		99.4	65	135		0		

Sample ID: **GX CCV 46845B**	SampType: **CCV**	Units: **µg/L**	Prep Date: **2/21/2025**	RunNo: **97824**
Client ID: **CCV**	Batch ID: **46845**		Analysis Date: **2/21/2025**	SeqNo: **2038035**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	576	50.0	500.0	0	115	80	120				
Surr: Toluene-d8	25.1		25.00		100	65	135				
Surr: 4-Bromofluorobenzene	25.6		25.00		102	65	135				

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D

Sample ID: **ICB** SampType: **ICB** Units: **µg/L** Prep Date: **2/14/2025** RunNo: **97689**
Client ID: **ICB** Batch ID: **97826** Analysis Date: **2/14/2025** SeqNo: **2036302**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.0100									
1,2-Dichloroethane (EDC)	ND	0.00500									
Benzene	ND	0.00500									
Toluene	ND	0.0100									
1,2-Dibromoethane (EDB)	0.00236	0.000250									
Ethylbenzene	ND	0.0100									
m,p-Xylene	ND	0.0100									
o-Xylene	ND	0.0100									
Surr: Dibromofluoromethane	27.5		25.00		110	70	130				
Surr: Toluene-d8	25.6		25.00		102	70	130				
Surr: 1-Bromo-4-fluorobenzene	25.2		25.00		101	70	130				

Sample ID: **ICV** SampType: **ICV** Units: **µg/L** Prep Date: **2/14/2025** RunNo: **97689**
Client ID: **ICV** Batch ID: **97826** Analysis Date: **2/14/2025** SeqNo: **2036303**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	5.10	0.0100	5.000	0	102	70	130				
1,2-Dichloroethane (EDC)	5.03	0.00500	5.000	0	101	70	130				
Benzene	4.87	0.00500	5.000	0	97.4	70	130				
Toluene	4.71	0.0100	5.000	0	94.2	70	130				
1,2-Dibromoethane (EDB)	5.62	0.000250	5.000	0	112	70	130				
Ethylbenzene	4.97	0.0100	5.000	0	99.4	70	130				
m,p-Xylene	9.95	0.0100	10.00	0	99.5	70	130				
o-Xylene	5.23	0.0100	5.000	0	105	70	130				
Surr: Dibromofluoromethane	26.5		25.00		106	70	130				
Surr: Toluene-d8	25.6		25.00		103	70	130				
Surr: 1-Bromo-4-fluorobenzene	25.7		25.00		103	70	130				

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D

Sample ID: **SIM W CCV 46825A** SampType: **CCV** Units: **µg/L** Prep Date: **2/21/2025** RunNo: **97826**
Client ID: **CCV** Batch ID: **46845** Analysis Date: **2/21/2025** SeqNo: **2038064**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	4.51	0.100	5.000	0	90.3	80	120				
1,2-Dichloroethane (EDC)	4.55	0.200	5.000	0	91.1	80	120				
Benzene	4.86	0.100	5.000	0	97.1	80	120				
Toluene	4.45	0.100	5.000	0	89.0	80	120				
1,2-Dibromoethane (EDB)	5.07	0.0100	5.000	0	101	80	120				
Ethylbenzene	4.60	0.100	5.000	0	92.1	80	120				
m,p-Xylene	9.51	0.200	10.00	0	95.1	80	120				
o-Xylene	4.79	0.100	5.000	0	95.8	80	120				
Surr: Dibromofluoromethane	27.8		25.00		111	80	120				
Surr: Toluene-d8	25.1		25.00		100	80	120				
Surr: 1-Bromo-4-fluorobenzene	26.0		25.00		104	80	120				

Sample ID: **LCS-46845** SampType: **LCS** Units: **µg/L** Prep Date: **2/21/2025** RunNo: **97826**
Client ID: **LCSW** Batch ID: **46845** Analysis Date: **2/21/2025** SeqNo: **2038073**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	4.51	0.100	5.000	0	90.3	80	120				
1,2-Dichloroethane (EDC)	4.55	0.200	5.000	0	91.1	80	120				
Benzene	4.86	0.100	5.000	0	97.1	80	120				
Toluene	4.45	0.100	5.000	0	89.0	80	120				
1,2-Dibromoethane (EDB)	5.07	0.0100	5.000	0	101	80	120				
Ethylbenzene	4.60	0.100	5.000	0	92.1	80	120				
m,p-Xylene	9.51	0.200	10.00	0	95.1	80	120				
o-Xylene	4.79	0.100	5.000	0	95.8	80	120				
Surr: Dibromofluoromethane	27.8		25.00		111	80	120				
Surr: Toluene-d8	25.1		25.00		100	80	120				
Surr: 1-Bromo-4-fluorobenzene	26.0		25.00		104	80	120				

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D

Sample ID: **MB-46845** SampType: **MBLK** Units: **µg/L** Prep Date: **2/21/2025** RunNo: **97826**
Client ID: **MBLKW** Batch ID: **46845** Analysis Date: **2/21/2025** SeqNo: **2038065**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.100									
1,2-Dichloroethane (EDC)	ND	0.200									
Benzene	ND	0.100									
Toluene	ND	0.100									
1,2-Dibromoethane (EDB)	ND	0.0100									
Ethylbenzene	ND	0.100									
m,p-Xylene	ND	0.200									
o-Xylene	ND	0.100									
Surr: Dibromofluoromethane	27.8		25.00		111	70	130				
Surr: Toluene-d8	25.7		25.00		103	70	130				
Surr: 1-Bromo-4-fluorobenzene	25.9		25.00		104	70	130				

Sample ID: **2502393-004ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **2/21/2025** RunNo: **97826**
Client ID: **GEI-DUP_022025** Batch ID: **46845** Analysis Date: **2/21/2025** SeqNo: **2038071**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.100						0		30	
1,2-Dichloroethane (EDC)	ND	0.200						0		30	
Benzene	ND	0.100						0		30	
Toluene	ND	0.100						0		30	
1,2-Dibromoethane (EDB)	ND	0.0100						0		30	
Ethylbenzene	ND	0.100						0		30	
m,p-Xylene	ND	0.200						0		30	
o-Xylene	ND	0.100						0		30	
Surr: Dibromofluoromethane	28.2		25.00		113	70	130		0		
Surr: Toluene-d8	25.1		25.00		100	70	130		0		
Surr: 1-Bromo-4-fluorobenzene	25.1		25.00		100	70	130		0		

Sample Log-In Check List

Client Name:	GEI	Work Order Number:	2502393
Logged by:	Morgan Wilson	Date Received:	2/20/2025 4:24:00 PM

Chain of Custody

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

Log In

3.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
4.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5.	Were all items received at a temperature of >2°C to 6°C *	Yes ☑	No ☐	NA ☐
6.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
7.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8.	Are samples properly preserved?	Yes ☑	No ☐	
9.	Was preservative added to bottles?	Yes ☑	No ☐	NA ☐ HNO3, HCL
10.	Is there headspace in the VOA vials?	Yes ☐	No ☑	NA ☐
11.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
12.	Does paperwork match bottle labels?	Yes ☑	No ☐	
13.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14.	Is it clear what analyses were requested?	Yes ☑	No ☐	
15.	Were all hold times (except field parameters, pH e.g.) able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

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

Person Notified:	Robert Trahan	Date:	2/20/2025
By Whom:	Morgan Wilson	Via:	☑ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:	EDB Limit, PAHs, Sample 3 ID		
Client Instructions:	MTCA Limit, Add PAHs, Sample 3 ID per bottles		

17. Additional remarks:

Item Information

Item #	Temp ºC
Sample	4.1

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

Fremont Analytical
An Alliance Technical Group Company
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Chain of Custody Record & Laboratory Services Agreement

Date: 02.20.2024 | Page: 1 of: 1 | Laboratory Project No (internal): 25023893

Project Name: 701/709 South Jackson St

Special Remarks: DISS. LEAD = FIELD FILTER (PRESERVED BOTTLE)

Client: GeoEngineers Inc.

Project No: 24504-001-04

Address:

Collected by: Nathan Solomon

City, State, Zip:

Location: Seattle WA

Telephone:

Report To (PM): Robert Traman

Disposal: Samples will be disposed in 30 days unless otherwise requested. ☐ Retain volume (specify above) ☐ Return to client

Email(s): RTraman@GeoEngineers.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)	TOTAL | DIS. LEAD EDB | EDC | MTBE				Comments
1 GEI-11_022025	2.20.25	1325	W	7		X	X		X							X	X				
2 GEI-12_022025		1420		7		X	X		X							X	X				
3 GEI-12_022025		1515		7		X	X		X							X	X				
4 GEI-DUP-022025		1200		7		X	X		X							X	X				
5 TRIP BLANK-022025	↓	--	↓	1		X	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

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]	Nathan Solomon	02.20.25 / 4:24	x [signature]	Payton Cleven	2/20/25 4:24 PM
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
An Alliance Technical Group Company
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Date: 02.20.2024 Page: 1 of: 1

Laboratory Project No (internal): 25023893

Project Name: 701/709 South Jackson St

Special Remarks: Update per RT & Bottles -mw 2/20/25

DISS. LEAD = FIELD FILTER (PRESERVED BOTTLE)

Client: GeoEngineers Inc.

Project No: 24504-001-04

Address:

Collected by: Nathan Solomon

City, State, Zip:

Location: Seattle WA

Telephone:

Report To (PM): Robert Traman

Disposal: Samples will be disposed in 30 days unless otherwise requested.
☐ Retain volume (specify above) ☐ Return to client

Email(s): RTraman@GeoEngineers.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)	TOTAL | DIS. LEAD	EDB | EDC | MTBE			Comments
1	GEI-11_022025	2.20.25	1325	W	7		X	X		X		X						X	X			8270: 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene
2	GEI-12_022025		1420		7		X	X		X								X	X			
3	GEI-13_022025		1515		7		X	X		X								X	X			
4	GEI-DUP-022025		1200		7		X	X		X								X	X			
5	TRIP BLANK-022025		--		1		X	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

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	Nathan Solomon	02.20.25 / 4:24	x	Payton Clever	2/20/25 4:24 PM
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

DATA SET for Review - Deliverable Requirements

Diesel and Heavy Oil by NWTPH-Dx

Alliance Technical Group Work Order No. 2502393

GeoEngineers

Project Name: 701/709 South Jackson St.

Project Number: 24504-001-04

This data set contains the following:

- Analytical Sequence Summary
- Calibration Information

Injection Log

Data Directory: D:\GC-24\Data\2024\240409FRONT\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 04090050.D	DX_220112.M			
No data found			0.000	N/A
2) 04090049.D	DX_220112.M			
No data found			0.000	N/A
3) 04090002.D	DX_220112.M			
CO		150	1.000	09 Apr 2024 11:13 am
4) 04090004.D	DX_220112.M			
HO ICB		28	1.000	09 Apr 2024 11:24 am
5) 04090006.D	DX_220112.M			
HO ICB rr		28	1.000	09 Apr 2024 11:34 am
6) 04090008.D	DX_220112.M			
HO 20		21	1.000	09 Apr 2024 11:45 am
7) 04090010.D	DX_220112.M			
HO 100		22	1.000	09 Apr 2024 11:56 am
8) 04090012.D	DX_220112.M			
HO 500		23	1.000	09 Apr 2024 12:07 pm
9) 04090014.D	DX_220112.M			
HO 1000		24	1.000	09 Apr 2024 12:18 pm
10) 04090016.D	DX_220112.M			
HO 2000		25	1.000	09 Apr 2024 12:29 pm
11) 04090018.D	DX_220112.M			
HO 5000		26	1.000	09 Apr 2024 12:39 pm
12) 04090020.D	DX_220112.M			
HO 10000		27	1.000	09 Apr 2024 12:50 pm
13) 04090022.D	DX_220112.M			
CO		150	1.000	09 Apr 2024 01:01 pm
14) 04090024.D	DX_220112.M			
CO		150	1.000	09 Apr 2024 01:12 pm
15) 04090026.D	DX_220112.M			
HO ICV		29	1.000	09 Apr 2024 01:23 pm
16) 04090028.D	DX_220112.M			
CO		150	1.000	09 Apr 2024 01:34 pm
17) 04090030.D	DX_220112.M			
DX ICB		18	1.000	09 Apr 2024 01:45 pm
18) 04090032.D	DX_220112.M			
DX 20		11	1.000	09 Apr 2024 01:55 pm
19) 04090034.D	DX_220112.M			
DX 100		12	1.000	09 Apr 2024 02:06 pm
20) 04090036.D	DX_220112.M			
DX 500		13	1.000	09 Apr 2024 02:17 pm
21) 04090038.D	DX_220112.M			
DX 1000		14	1.000	09 Apr 2024 02:28 pm

```
 22) 04090040.D            DX_220112.M
DX 2000                                  15    1.000     09 Apr 2024  02:39 pm
  ----------------------------------------------------------------------------
 23) 04090042.D            DX_220112.M
DX 5000                                  16    1.000     09 Apr 2024  02:49 pm
  ----------------------------------------------------------------------------
 24) 04090044.D            DX_220112.M
DX 10000                                 17    1.000     09 Apr 2024  03:00 pm
  ----------------------------------------------------------------------------
 25) 04090046.D            DX_220112.M
DX ICV                                   19    1.000     09 Apr 2024  03:11 pm
  ----------------------------------------------------------------------------
 26) 04090048.D            DX_220112.M
OIL-CCV                                   2    1.000     09 Apr 2024  03:22 pm
  ----------------------------------------------------------------------------
```

Injection Log

Data Directory: C:\GC-24\Data\2025\250225FRONT\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	02250002.D	DX_220112.M			
CO			150	1.000	25 Feb 2025 09:04 am
2)	02250004.D	DX_220112.M			
OIL-CCV			2	1.000	25 Feb 2025 09:15 am
3)	02250006.D	DX_220112.M			
DX-CCV			1	1.000	25 Feb 2025 09:27 am
4)	02250008.D	DX_220112.M			
CO			150	1.000	25 Feb 2025 09:39 am
5)	02250010.D	DX_220112.M			
MB-46849			11	1.000	25 Feb 2025 12:22 pm
6)	02250012.D	DX_220112.M			
LCS-46849			12	1.000	25 Feb 2025 12:34 pm
7)	02250014.D	DX_220112.M			
LCSD-46849			13	1.000	25 Feb 2025 12:46 pm
8)	02250016.D	DX_220112.M			
2502438-001B			30	1.000	25 Feb 2025 12:58 pm
9)	02250018.D	DX_220112.M			
CO			150	1.000	25 Feb 2025 01:09 pm
10)	02250020.D	DX_220112.M			
OIL-CCV			2	1.000	25 Feb 2025 01:21 pm
11)	02250022.D	DX_220112.M			
DX-CCV			1	1.000	25 Feb 2025 01:33 pm
12)	02250024.D	DX_220112.M			
CO			150	1.000	25 Feb 2025 01:45 pm
13)	02250026.D	DX_220112.M			
2502393-001B			14	1.000	25 Feb 2025 04:38 pm
14)	02250028.D	DX_220112.M			
2502393-002B			15	1.000	25 Feb 2025 04:50 pm
15)	02250030.D	DX_220112.M			
2502393-003B			16	1.000	25 Feb 2025 05:01 pm
16)	02250032.D	DX_220112.M			
2502393-004B			17	1.000	25 Feb 2025 05:13 pm
17)	02250034.D	DX_220112.M			
2502400-001B			18	1.000	25 Feb 2025 05:25 pm
18)	02250036.D	DX_220112.M			
2502400-002B			19	1.000	25 Feb 2025 05:37 pm
19)	02250038.D	DX_220112.M			
2502400-003B			20	1.000	25 Feb 2025 05:48 pm
20)	02250040.D	DX_220112.M			
2502400-004B			21	1.000	25 Feb 2025 06:00 pm
21)	02250042.D	DX_220112.M			
2502400-005B			22	1.000	25 Feb 2025 06:12 pm

22) 02250044.D DX_220112.M
2502400-007B 24 1.000 25 Feb 2025 06:24 pm

23) 02250046.D DX_220112.M
2502400-008B 25 1.000 25 Feb 2025 06:35 pm

24) 02250048.D DX_220112.M
2502404-001B 26 1.000 25 Feb 2025 06:47 pm

25) 02250050.D DX_220112.M
2502405-001B 27 1.000 25 Feb 2025 06:59 pm

26) 02250052.D DX_220112.M
2502410-001B 28 1.000 25 Feb 2025 07:11 pm

27) 02250054.D DX_220112.M
2502415-001B 29 1.000 25 Feb 2025 07:23 pm

28) 02250056.D DX_220112.M
2502400-006B 23 1.000 25 Feb 2025 07:34 pm

29) 02250058.D DX_220112.M
CO 150 1.000 25 Feb 2025 07:46 pm

30) 02250060.D DX_220112.M
CO 150 1.000 25 Feb 2025 07:58 pm

31) 02250062.D DX_220112.M
OIL-CCV 2 1.000 25 Feb 2025 08:10 pm

32) 02250064.D DX_220112.M
DX-CCV 1 1.000 25 Feb 2025 08:22 pm

33) 02250066.D DX_220112.M
CO 150 1.000 25 Feb 2025 08:34 pm

34) 02250068.D DX_220112.M
CO 150 1.000 25 Feb 2025 08:45 pm

35) 02250070.D DX_220112.M
CO 150 1.000 25 Feb 2025 08:57 pm

36) 02250072.D DX_220112.M
CO 150 1.000 25 Feb 2025 09:09 pm

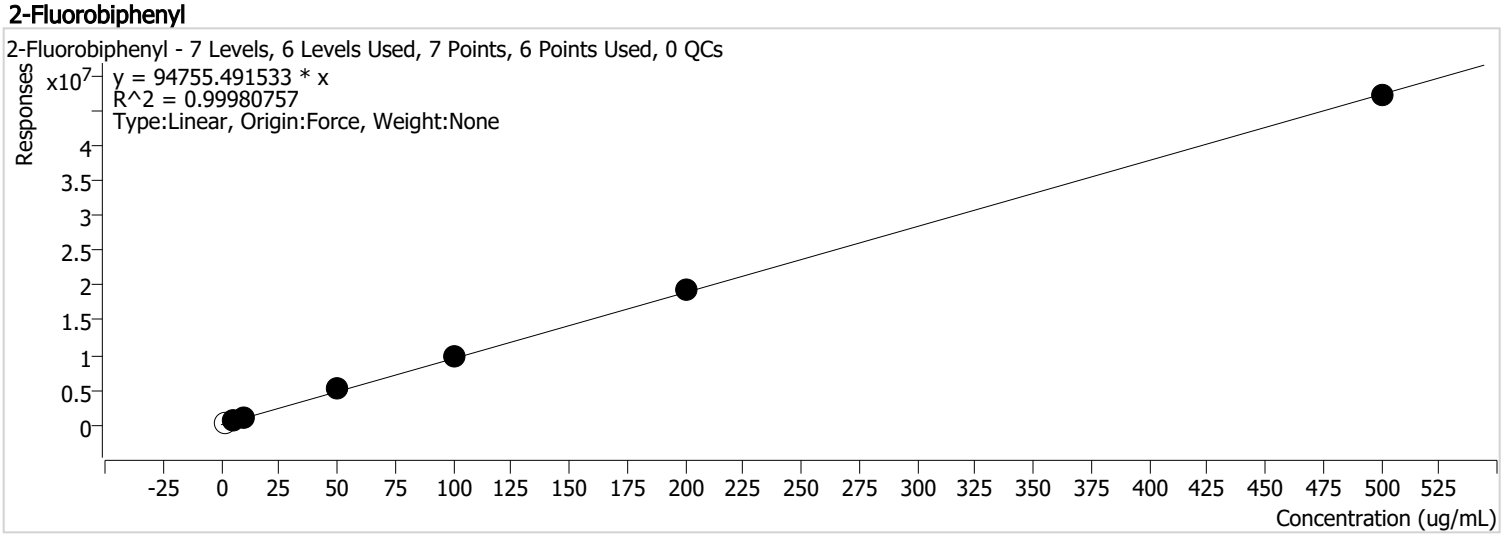
Calibration

Calibration Report

Agilent Technologies

Batch Path	D:\GC-24\Data\2024\240409FRONT\QuantResults\DX HO Cal.batch.bin		
Analysis Time	4/9/2024 3:35:36 PM	**Analyst Name**	FA\GC24
Report Time	4/9/2024 3:37:09 PM	**Reporter Name**	GC24
Last Calib Update	4/9/2024 3:34:13 PM	**Batch State**	Processed

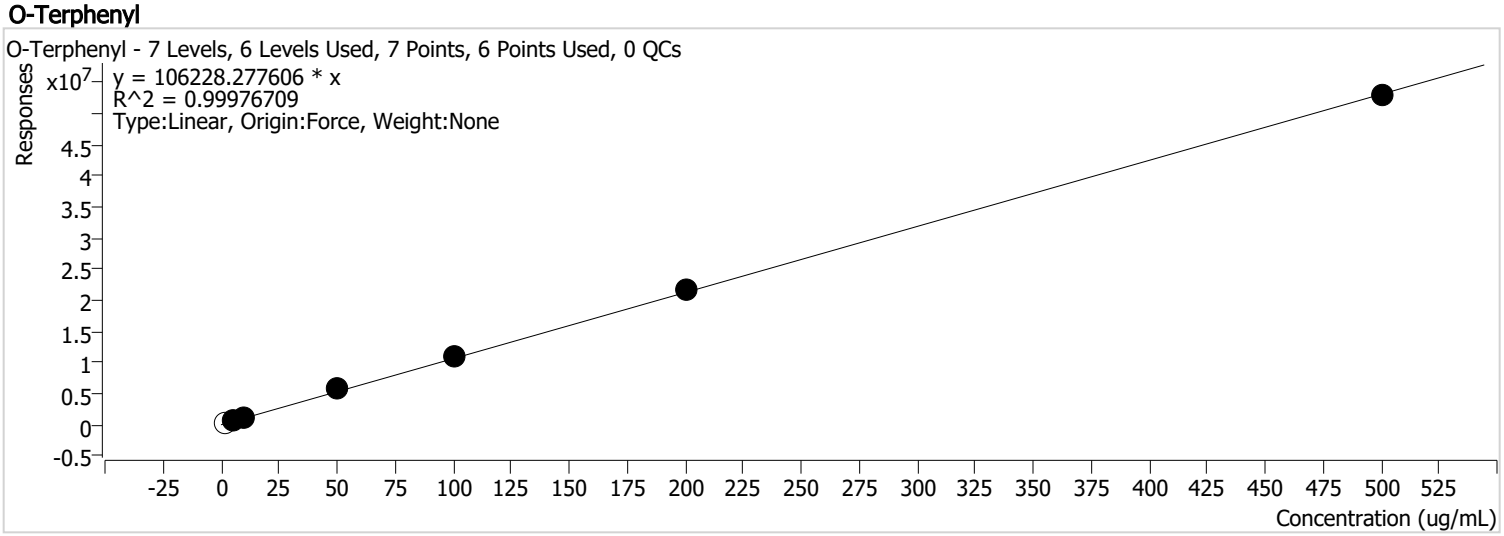
2-Fluorobiphenyl



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\GC-24\Data\2024\240409FRONT\04090008.D	Calibration	1		108737	2.0000	54368.3729
D:\GC-24\Data\2024\240409FRONT\04090010.D	Calibration	2	x	526763	5.0000	105352.6189
D:\GC-24\Data\2024\240409FRONT\04090012.D	Calibration	3	x	941145	10.0000	94114.5331
D:\GC-24\Data\2024\240409FRONT\04090014.D	Calibration	4	x	5087405	50.0000	101748.0975
D:\GC-24\Data\2024\240409FRONT\04090016.D	Calibration	5	x	9687983	100.0000	96879.8320
D:\GC-24\Data\2024\240409FRONT\04090018.D	Calibration	6	x	19256759	200.0000	96283.7947
D:\GC-24\Data\2024\240409FRONT\04090020.D	Calibration	7	x	47177630	500.0000	94355.2600

Batch Path	D:\GC-24\Data\2024\240409FRONT\QuantResults\DX HO Cal.batch.bin		
Analysis Time	4/9/2024 3:35:36 PM	**Analyst Name**	FA\GC24
Report Time	4/9/2024 3:37:11 PM	**Reporter Name**	GC24
Last Calib Update	4/9/2024 3:34:13 PM	**Batch State**	Processed

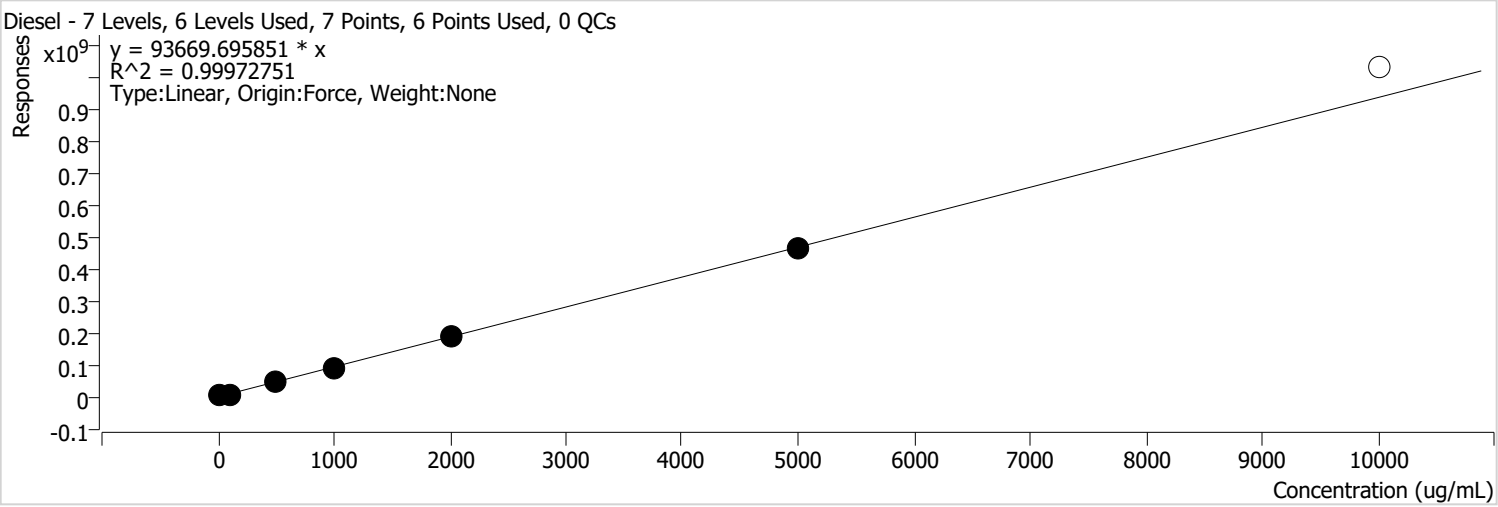
O-Terphenyl



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\GC-24\Data\2024\240409FRONT\04090008.D	Calibration	1		122247	2.0000	61123.7050
D:\GC-24\Data\2024\240409FRONT\04090010.D	Calibration	2	x	585252	5.0000	117050.4960
D:\GC-24\Data\2024\240409FRONT\04090012.D	Calibration	3	x	1067239	10.0000	106723.8862
D:\GC-24\Data\2024\240409FRONT\04090014.D	Calibration	4	x	5728591	50.0000	114571.8154
D:\GC-24\Data\2024\240409FRONT\04090016.D	Calibration	5	x	10852786	100.0000	108527.8597
D:\GC-24\Data\2024\240409FRONT\04090018.D	Calibration	6	x	21655546	200.0000	108277.7295
D:\GC-24\Data\2024\240409FRONT\04090020.D	Calibration	7	x	52861833	500.0000	105723.6662

Batch Path	D:\GC-24\Data\2024\240409FRONT\QuantResults\DX HO Cal.batch.bin		
Analysis Time	4/9/2024 3:35:36 PM	**Analyst Name**	FA\GC24
Report Time	4/9/2024 3:37:11 PM	**Reporter Name**	GC24
Last Calib Update	4/9/2024 3:34:13 PM	**Batch State**	Processed

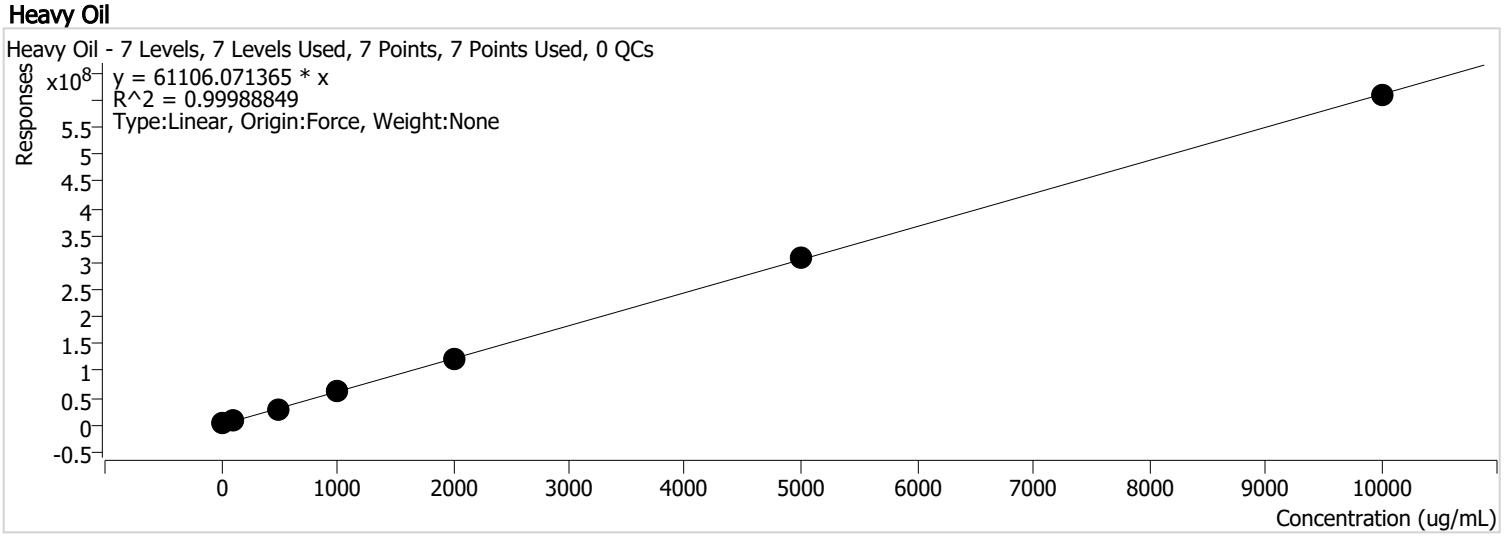
Diesel



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\GC-24\Data\2024\240409FRONT\04090032.D	Calibration	1	x	1669720	20.0000	83485.9944
D:\GC-24\Data\2024\240409FRONT\04090034.D	Calibration	2	x	8858734	100.0000	88587.3447
D:\GC-24\Data\2024\240409FRONT\04090036.D	Calibration	3	x	44469581	500.0000	88939.1616
D:\GC-24\Data\2024\240409FRONT\04090038.D	Calibration	4	x	90064304	1000.0000	90064.3038
D:\GC-24\Data\2024\240409FRONT\04090040.D	Calibration	5	x	192150967	2000.0000	96075.4834
D:\GC-24\Data\2024\240409FRONT\04090042.D	Calibration	6	x	467392434	5000.0000	93478.4867
D:\GC-24\Data\2024\240409FRONT\04090044.D	Calibration	7		1029509249	10000.0000	102950.9249

Batch Path	D:\GC-24\Data\2024\240409FRONT\QuantResults\DX HO Cal.batch.bin		
Analysis Time	4/9/2024 3:35:36 PM	**Analyst Name**	FA\GC24
Report Time	4/9/2024 3:37:11 PM	**Reporter Name**	GC24
Last Calib Update	4/9/2024 3:34:13 PM	**Batch State**	Processed

Heavy Oil



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\GC-24\Data\2024\240409FRONT\04090008.D	Calibration	1	x	1381197	20.0000	69059.8471
D:\GC-24\Data\2024\240409FRONT\04090010.D	Calibration	2	x	6448573	100.0000	64485.7256
D:\GC-24\Data\2024\240409FRONT\04090012.D	Calibration	3	x	29879419	500.0000	59758.8383
D:\GC-24\Data\2024\240409FRONT\04090014.D	Calibration	4	x	63343436	1000.0000	63343.4359
D:\GC-24\Data\2024\240409FRONT\04090016.D	Calibration	5	x	123167055	2000.0000	61583.5274
D:\GC-24\Data\2024\240409FRONT\04090018.D	Calibration	6	x	310007745	5000.0000	62001.5491
D:\GC-24\Data\2024\240409FRONT\04090020.D	Calibration	7	x	608437284	10000.0000	60843.7284

Heavy Oil Calibration

Date: 3/29/24 **Oil CAL STD:** 28889 Concentration: 50,000 ug/L

Analyst: Alex Pates **Oil ICV (SS):** 27047 Concentration: 50,000 ug/L

MeCl2: 8059 **SURROGATE:** 29510 Concentration: 1,000 ug/L

1 3 2

	Calibration Point (ppm)	Surr Cal Point (ppm)	MeCl2 (uL)	STD Conc (ppm)	STD Amt (uL)	Surr Amt (uL)	Final Vol. (mL)	Comments
21	20	2	980	1000*	20*	-	1	*Note: the 1000 point w/ HO and surr will be used to make points 100 and 20
22	100	5	900	1000*	100*	-	1	
23	500	10	980	50,000	10	10	1	
24	1000*	50	930	50,000	20	50	1	
25	2000	100	860	50,000	40	100	1	
26	5000	200	700	50,000	100	200	1	
27	10000	500 -	300 ~~800~~ AHP 3/29/24	50,000	200	500 -	1	
28	ICB	-	990	-	-	10	1	
29	ICV (500)	10	980	50,000 SS	10	10	1	

Signature and Date: Alex Pates 3/29/24

Signature: ADK

Diesel Calibration

Date: 3/29/24 **DX CAL STD:** 29114 Concentration: 50,000 ug/L

Analyst: Alex Pates **DX ICV (SS):** 28397 Concentration: 50,000 ug/L

MeCl2: 8059 **Surr:** 29510 Concentration 1000 mg/L

	Calibration Point (ppm)	MeCl2 (uL)	STD Conc (ppm)	STD Amt (uL)	Surr (uL)	Final Vol. (mL)	Comments
11	20	980	1000*	20	-	1	
12	100	900	1000*	100	-	1	
13	500	990	50,000	10	-	1	
14	1000*	980	50,000	20	-	1	
15	2000	960	50,000	40	-	1	
16	5000	900	50,000	100	-	1	*Note: the 1000 point will be used to make points 100 and 20
17	10000	800	50,000	200	-	1	
18	ICB	990 ~~980~~ AHP 3/29/24	-	-	10	1	
19	ICV (500)	980 ~~970~~ AHP 3/29/24	50,000 SS	10	10	1	

Signature and Date: Alex Pates 3/29/24

Signature: ADK

Supporting Data

Diesel Water Prep Bench Sheet

Analyst:	MF
Date and Time:	2/24/2025
Batch:	46849

Notes / Modifications
400-2 bad emulsion
~~TCSO~~ AHP 2/28/25

Equipment	
Type	**ID**
Balance:	4
Solvent Dispenser:	5
Buchi:	3
Other:	

Bottle Roller Times	
Roller START:	18:00
Roller STOP:	8:00
Roller START:	
Roller STOP:	

Buchi Concentration Times	
Buchi START:	9:59
Buchi STOP:	11:08
Buchi START:	11:16
Buchi STOP:	12:30

Spikes / Chemicals / Reagents	Omega ID	Amount Used
Diesel Surrogate 1,000 ug/mL	30783	10 µL
Diesel Spike 50,000 ug/mL	30493	10 µL
1:1 Sulfuric Acid	7130	~1 mL
pH strips	30189	1/Each
Methylene Chloride	8800	70 mL
Sodium Sulfate	8645	~5 g
Silica Gel [Circle One: YES / NO]	8446	~0.1g

Final Volume Before Analysis	1 mL

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date
	MF 2/24/2025

Samples verified pH < 2	Initial/Date
	MF 2/24/2025

Dilutions	
Sample ID	**Dilution Description**

Sign and date below if you contributed to this preparation batch

2/24/2025

2/28/25

2/24/25

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **2/24/2025 11:48:05**
Prep End Date: **2/24/2025 12:45:31**
Technician: **Michael Foster**

Michael Foster 2/24/2025

Balance 4 Autofill

Prep Factor Units: **mL / mL**

Prep Batch ID: **46849** Prep Code: **PREP-DX-W** Method No: **SW3510C**

Sample ID	ClientSampleID		Matrix	Sample Amount (mL)	SGT (FRONT)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46849	Buchi 3 Run1 EC 2/25	11	Water	400	11	1	0.003	2/24/2025	2/24/2025
LCS-46849		12	Water	400	12	1	0.003	2/24/2025	2/24/2025
LCSD-46849		13	Water	400	13	1	0.003	2/24/2025	2/24/2025
2502393-001B	GEI-11_022025	14	Water	417.89		1	0.002	2/24/2025	2/24/2025
2502393-002B	GEI-12_022025	15	Water	415.06		1	0.002	2/24/2025	2/24/2025
2502393-003B	GEI-13_022025	16	Water 309+311	423.22		1	0.002	2/24/2025	2/24/2025
2502393-004B	GEI-DUP_022025	17	Water 309+311	424.89		1	0.002	2/24/2025	2/24/2025
2502400-001B	021825-MW01	18	Groundwater	415.09	18	1	0.002	2/24/2025	2/24/2025
2502400-002B	021825-MW02	19	Groundwater	419.32	19	1	0.002	2/24/2025	2/24/2025
2502400-003B	021925-MW03	20	Groundwater 314	416.09	20	1 314	0.002	2/24/2025	2/24/2025
2502400-004B	021925-MW04	21	Groundwater 309+311	415.72	21	1 H.O.+311+308	0.002	2/24/2025	2/24/2025
2502400-005B	021925-MW05	22	Groundwater	417.81	22	1	0.002	2/24/2025	2/24/2025
2502400-006B •	022025-MW07	23	Groundwater 309+313	419.1	23 •	1 H.O.	0.002	2/24/2025	2/24/2025
2502400-007B	022025-MW08	24	Groundwater	421.15	24	1	0.002	2/24/2025	2/24/2025
2502400-008B	022025-MW0	25	Groundwater	416.33	25	1	0.002	2/24/2025	2/24/2025
2502404-001B	Sample	26	Water 309	424.27		1	0.002	2/24/2025	2/24/2025
2502405-001B	Sample	27	Water	410.52		1	0.002	2/24/2025	2/24/2025
2502410-001B	22125	28	Water	419.08		1	0.002	2/24/2025	2/24/2025
2502415-001B	Effluent	29	Water 309	410.26		1	0.002	2/24/2025	2/24/2025
2502438-001B ☆	COV-SWW31-2/25 Run 1	30	Stormwater 309+311	419.03		1	0.002	2/24/2025	2/24/2025

Buchi 3 Run2 EC 2/25 SGT

2/27 2/28 2/25

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **2/24/2025 11:48:05**
Prep End Date: **2/24/2025 12:45:31**
Technician: **Michael Foster**

Prep Factor Units: **mL / mL**

Prep Batch ID: **46849** Prep Code: **PREP-DX-W** Method No: **SW3510C**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46849		Water	400	1	0.003	2/24/2025	2/24/2025
LCS-46849		Water	400	1	0.003	2/24/2025	2/24/2025
LCSD-46849		Water	400	1	0.003	2/24/2025	2/24/2025
2502393-001B	GEI-11_022025	Water	417.89	1	0.002	2/24/2025	2/24/2025
2502393-002B	GEI-12_022025	Water	415.06	1	0.002	2/24/2025	2/24/2025
2502393-003B	GEI-13_022025	Water	423.22	1	0.002	2/24/2025	2/24/2025
2502393-004B	GEI-DUP_022025	Water	424.89	1	0.002	2/24/2025	2/24/2025
2502400-001B	021825-MW01	Groundwater	415.09	1	0.002	2/24/2025	2/24/2025
2502400-002B	021825-MW02	Groundwater	419.32	1	0.002	2/24/2025	2/24/2025
2502400-003B	021925-MW03	Groundwater	416.09	1	0.002	2/24/2025	2/24/2025
2502400-004B	021925-MW04	Groundwater	415.72	1	0.002	2/24/2025	2/24/2025
2502400-005B	021925-MW05	Groundwater	417.81	1	0.002	2/24/2025	2/24/2025
2502400-006B	022025-MW07	Groundwater	419.1	1	0.002	2/24/2025	2/24/2025
2502400-007B	022025-MW08	Groundwater	421.15	1	0.002	2/24/2025	2/24/2025
2502400-008B	022025-MW0	Groundwater	416.33	1	0.002	2/24/2025	2/24/2025
2502404-001B	Sample	Water	424.27	1	0.002	2/24/2025	2/24/2025
2502405-001B	Sample	Water	410.52	1	0.002	2/24/2025	2/24/2025
2502410-001B	22125	Water	419.08	1	0.002	2/24/2025	2/24/2025
2502415-001B	Effluent	Water	410.26	1	0.002	2/24/2025	2/24/2025
2502438-001B	COV-SWW31-2/25	Stormwater	419.03	1	0.002	2/24/2025	2/24/2025

Reporting Checklist

Analyst: Alex Pates
Date: 2/25/25, 2/27/25
Prep #: 46849
Run(s) #: 97856

Workorder(s): 02438, 02393, 02400, 02404
02405, 02410, 02415
Analysis: O-DXEX-W

Y/N		Reviewed
Y	**Run complete? (i.e., all QC, samples, dilutions present)**	✔
Y	**All QC within limits?** [ ] Exceedances acceptable per QA Manual and/or Auth'd by PM____?	✔
	☐CCV out ☐LCS out ☐MS out ☐Blank hits ☐IS/surr out ☐RPD out ☐Hold time ☐Other_____	
N	Any pending dilutions, re-extracts, or reanalysis to be completed in future run?	
N/A	**Manual entries/narratives reviewed for accuracy? (note below)** Analyst: Reviewer:	
✔	**Omega checks performed?**	✔
✔	SampID, Test Code, Type, Prep	
✔	PMOIST, pH	
✔	BLKref, SPKref, RPDref, CCVref	
✔	Attachments	✔
	☑Sequence ☑Cgrams ☑Bench Sheets ☐Perf Checks ☐Tech Doc	
✔	Related Info	✔
	☑ICAL Ref ☐ICAL Ack/QA'd? ☑Spiking Info/CCV Std ☐_____	
✔	Reporting Checks	✔
	☐Dilutions data/narr redundancy check ☐RLs OK (low wt, high pmoist, dilutions)	

Notes for Reviewer

By signing, I attest that I have followed the SOP

AHP 2/27/25
Analyst Date

MG 2/27/2025
Reviewer Date

DATA SET for Review - Deliverable Requirements

Total and Dissolved Metals by EPA 6020B

Alliance Technical Group Work Order No. 2502393

GeoEngineers

Project Name: 701/709 South Jackson St.

Project Number: 24504-001-04

This data set contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information
- Internal Standards Report

Batch Log

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\250224ME.b

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
1	2/24/2025 12:04:50	CalBlk	CAL BLANK	1	001CALB.d	Pass		1		ICPMS		1
2	2/24/2025 12:08:04	CalBlk	CAL BLANK	1	002CALB.d	Pass		1		ICPMS		1
3	2/24/2025 12:11:28	CalBlk	CAL BLANK	1	003CALB.d	Pass		1		ICPMS		1
4	2/24/2025 12:14:49	ICAL 1	STANDARD 1	101	004CAL1.d	Fail	QC check failed.	1		ICPMS		2
5	2/24/2025 12:18:10	ICAL 2	STANDARD 2	102	005CAL2.d	Pass		1		ICPMS		3
6	2/24/2025 12:21:31	ICAL 3	STANDARD 3	103	006CAL3.d	Pass		1		ICPMS		4
7	2/24/2025 12:24:54	ICAL 4	STANDARD 4	104	007CAL4.d	Pass		1		ICPMS		5

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
1													
2			100	1	1	100							
3													
4													
5													
6													
7													

#	QC Failed Criteria	QC Failed Elements
1		
2		
3		
4	Main Error1 Criteria1	He:Ti,Mn,Sr,Mo,Pb
5		
6		
7		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
8	2/24/2025 12:28:15	ICAL 5	STANDARD 5	5	008CAL5.d	Pass		1		ICPMS		6
9	2/24/2025 12:31:36	ICAL 6	STANDARD 6	106	009CAL6.d	Pass		1		ICPMS		7
10	2/24/2025 12:34:55	ICAL 7	STANDARD 7	107	010CAL7.d	Pass		1		ICPMS		8
11	2/24/2025 12:38:12	Sample	Wash	6	011SMPL.d	Pass		1		ICPMS		
12	2/24/2025 12:41:01	<Pause>				Pass				ICPMS		
13	2/24/2025 13:16:56	ICAL 4	STANDARD 4	104	012CAL4.d	Pass		1		ICPMS		5
14	2/24/2025 13:20:13	Sample	Wash	6	013SMPL.d	Pass		1		ICPMS		
15	2/24/2025 13:23:03	<Pause>				Pass				ICPMS		
16	2/24/2025 13:24:34	ICB	ICB	1	014_ICB.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
8													
9													
10													
11													
12													
13													
14													
15													
16													

#	QC Failed Criteria	QC Failed Elements
8		
9		
10		
11		
12		
13		
14		
15		
16	Main Error1 Criteria1	No Gas:B

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
17	2/24/2025 13:27:44	ICV	ICV	111	015_ICV.d	Pass		1		ICPMS		
18	2/24/2025 13:30:51	Sample	Wash	6	016SMPL.d	Pass		1		ICPMS		
19	2/24/2025 13:33:59	ICSA	ICSA	112	017ICSA.d	Pass		1		ICPMS		
20	2/24/2025 13:36:50	<Pause>				Pass				ICPMS		
21	2/24/2025 13:33:41	Sample	LDR	110		Skip				ICPMS		
22	2/24/2025 13:37:48	Sample	Wash	6	018SMPL.d	Pass		1		ICPMS		
23	2/24/2025 13:40:42	<Pause>				Pass				ICPMS		
24	2/24/2025 13:50:09	Sample	MB-46815	401	019SMPL.d	Pass		1		ICPMS		
25	2/24/2025 13:53:20	Sample	2502284-001A	402	020SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
17													
18													
19													
20													
21													
22													
23													
24													
25			20										

#	QC Failed Criteria	QC Failed Elements
17		
18		
19		
20		
21		
22		
23		
24		
25		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
26	2/24/2025 13:56:29	Sample	2502263-010A	403	021SMPL.d	Pass		1		ICPMS		
27	2/24/2025 13:59:37	Sample	2502263-019A	404	022SMPL.d	Pass		1		ICPMS		
28	2/24/2025 14:02:27	<Pause>				Pass				ICPMS		
29	2/24/2025 14:04:04	CCV	CCV	5	023_CCV.d	Pass		1		ICPMS		
30	2/24/2025 14:07:15	CCB	CCB	1	024_CCB.d	Pass		1		ICPMS		
31	2/24/2025 14:10:06	<Pause>				Pass				ICPMS		
32	2/24/2025 15:00:56	Sample	MB-46848	405	025SMPL.d	Pass		1		ICPMS		
33	2/24/2025 15:04:06	Sample	LCS-46848	406	026SMPL.d	Pass		1		ICPMS		
34	2/24/2025 15:07:17	Sample	2502343-002B	407	027SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
26			10										
27													
28													
29													
30													
31													
32													
33													
34													

#	QC Failed Criteria	QC Failed Elements
26		
27		
28		
29		
30		
31		
32		
33		
34		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
35	2/24/2025 15:10:26	Sample	2502343-002BDUP	408	028SMPL.d	Pass		1		ICPMS		
36	2/24/2025 15:13:34	Sample	2502343-002BMS	409	029SMPL.d	Pass		1		ICPMS		
37	2/24/2025 15:16:42	Sample	2502307-001C	410	030SMPL.d	Pass		1		ICPMS		
38	2/24/2025 15:19:50	Sample	2502307-002C	411	031SMPL.d	Pass		1		ICPMS		
39	2/24/2025 15:22:58	Sample	2502343-003B	412	032SMPL.d	Fail	QC check failed.	1		ICPMS		
40	2/24/2025 15:26:07	Sample	2502345-001A	413	033SMPL.d	Fail	QC check failed.	1		ICPMS		
42	2/24/2025 15:28:59	CCV	CCV	5		Skip				ICPMS		
43	2/24/2025 15:28:59	CCB	CCB	1		Skip				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
35													
36													
37													
38													
39													
40													
42													
43													

#	QC Failed Criteria	QC Failed Elements
35		
36		
37		
38		
39	Main Error1 Criteria1	H2:Ca He:Na,Ca
40	Main Error1 Criteria1	H2:Ca He:Na,Mg,Ca
42		
43		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
41	2/24/2025 15:29:16	Sample	2502346-001A	414	034SMPL.d	Pass		1		ICPMS		
44	2/24/2025 15:32:23	CCV	CCV	5	035_CCV.d	Pass		1		ICPMS		
45	2/24/2025 15:35:34	CCB	CCB	1	036_CCB.d	Pass		1		ICPMS		
46	2/24/2025 15:38:42	Sample	2502347-001A	415	037SMPL.d	Pass		1		ICPMS		
47	2/24/2025 15:41:52	Sample	2502348-001B	416	038SMPL.d	Pass		1		ICPMS		
48	2/24/2025 15:45:01	Sample	2502348-002B	417	039SMPL.d	Pass		1		ICPMS		
49	2/24/2025 15:48:09	Sample	2502350-001B	418	040SMPL.d	Pass		1		ICPMS		
50	2/24/2025 15:51:18	Sample	2502352-001A	419	041SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
41													
44													
45													
46													
47													
48													
49													
50													

#	QC Failed Criteria	QC Failed Elements
41		
44		
45		
46		
47		
48		
49		
50	Main Error1 Criteria1	H2:Ca He:Ca

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
51	2/24/2025 15:54:28	Sample	2502402-001A	420	042SMPL.d	Fail	QC check failed.	1		ICPMS		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
52	2/24/2025 15:57:38	Sample	2502402-002A	421	043SMPL.d	Fail	QC check failed.	1		ICPMS		
53	2/24/2025 16:00:48	Sample	2502402-003A	422	044SMPL.d	Fail	QC check failed.	1		ICPMS		
54	2/24/2025 16:04:01	Sample	2502353-001B	423	045SMPL.d	Fail	QC check failed.	1		ICPMS		
55	2/24/2025 16:07:08	Sample	2502354-001B	424	046SMPL.d	Fail	QC check failed.	1		ICPMS		
56	2/24/2025 16:06:54	CCV	CCV	5		Skip				ICPMS		
57	2/24/2025 16:06:54	CCB	CCB	1		Skip				ICPMS		
58	2/24/2025 16:10:20	CCV	CCV	5	047_CCV.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
51													
52													
53													
54													
55													
56													
57													
58													

#	QC Failed Criteria	QC Failed Elements
51	Main Error1 Criteria1	H2:Ca He:Na,Cu,Ca
52	Main Error1 Criteria1	H2:Ca He:Na,Zn,Ca
53	Main Error1 Criteria1	H2:Ca He:Na,Mn,Cu, Zn,Ca
54	Main Error1 Criteria1	H2:Ca He:Ca
55	Main Error1 Criteria1	H2:Ca He:Ca
56		
57		

Batch Log

#	QC Failed Criteria	QC Failed Elements
58		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
59	2/24/2025 16:13:31	CCB	CCB	1	048_CCB.d	Pass		1		ICPMS		
60	2/24/2025 16:16:40	Sample	2502354-002B	425	049SMPL.d	Pass		1		ICPMS		
61	2/24/2025 16:19:49	Sample	2502355-001A	426	050SMPL.d	Pass		1		ICPMS		
62	2/24/2025 16:23:01	Sample	2502355-002A	427	051SMPL.d	Pass		1		ICPMS		
63	2/24/2025 16:25:53	<Pause>				Pass				ICPMS		
64	2/24/2025 16:26:11	Sample	2502355-002AMS	428	052SMPL.d	Pass		1		ICPMS		
65	2/24/2025 16:29:20	Sample	2502438-001D	429	053SMPL.d	Pass		1		ICPMS		
66	2/24/2025 16:32:15	<Pause>				Pass				ICPMS		
67	2/24/2025 17:12:53	Sample	2502402-001A	420	054SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
59													
60													
61													
62													
63													
64													
65													
66													
67			10										

#	QC Failed Criteria	QC Failed Elements
59		
60		
61		
62		
63		
64		
65		
66		
67		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
68	2/24/2025 17:16:05	Sample	2502402-003A	422	055SMPL.d	Fail	QC check failed.	1		ICPMS		
69	2/24/2025 17:19:15	Sample	2502326-004A	430	056SMPL.d	Pass		1		ICPMS		
70	2/24/2025 17:22:28	Sample	2502363-001A	431	057SMPL.d	Fail	QC check failed.	1		ICPMS		
71	2/24/2025 17:25:39	CCV	CCV	105	058_CCV.d	Pass		1		ICPMS		
72	2/24/2025 17:28:49	CCB	CCB	1	059_CCB.d	Pass		1		ICPMS		
73	2/24/2025 17:31:59	Sample	MB-46847	432	060SMPL.d	Pass		1		ICPMS		
74	2/24/2025 17:35:10	Sample	LCS-46847	433	061SMPL.d	Pass		1		ICPMS		
75	2/24/2025 17:38:20	Sample	2502393-001C	434	062SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
68			10										
69			5										
70			10										
71													
72													
73													
74													
75													

#	QC Failed Criteria	QC Failed Elements
68	Main Error1 Criteria1	He:Cu
69		
70	Main Error1 Criteria1	H2:Ca He:Fe,Ca
71		
72		
73		
74		
75	ISTD Criteria1	No Gas:Sc

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
76	2/24/2025 17:41:31	Sample	2502393-001CDUP	435	063SMPL.d	Fail	QC check failed.	1		ICPMS		
77	2/24/2025 17:44:42	Sample	2502393-001CMS	436	064SMPL.d	Fail	QC check failed.	1		ICPMS		
78	2/24/2025 17:47:53	Sample	2502393-001CMSD	437	065SMPL.d	Fail	QC check failed.	1		ICPMS		
79	2/24/2025 17:51:05	Sample	2502393-001CMSDIL	438	066SMPL.d	Fail	QC check failed.	1		ICPMS		
80	2/24/2025 17:54:15	Sample	2502393-002C	439	067SMPL.d	Fail	QC check failed.	1		ICPMS		
81	2/24/2025 17:57:26	Sample	2502393-003C	440	068SMPL.d	Fail	QC check failed.	1		ICPMS		
82	2/24/2025 18:00:37	Sample	2502393-004C	441	069SMPL.d	Fail	QC check failed.	1		ICPMS		
83	2/24/2025 18:00:23	CCV	CCV	5		Skip				ICPMS		
84	2/24/2025 18:00:23	CCB	CCB	1		Skip				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
76													
77													
78													
79													
80													
81													
82													
83													
84													

#	QC Failed Criteria	QC Failed Elements
76	ISTD Criteria1	No Gas:Sc
77	ISTD Criteria1	No Gas:Sc
78	ISTD Criteria1	No Gas:Li,Sc
79	ISTD Criteria1	No Gas:Li,Sc
80	ISTD Criteria1	No Gas:Li,Sc
81	ISTD Criteria1	No Gas:Li,Sc

Batch Log

#	QC Failed Criteria	QC Failed Elements
82	ISTD Criteria1	No Gas:Li,Sc
83		
84		

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
85	2/24/2025 18:03:49	CCV	CCV	105	070_CCV.d	Fail	QC check failed.	1		ICPMS		
86	2/24/2025 18:06:59	CCB	CCB	1	071_CCB.d	Fail	QC check failed.	1		ICPMS		
87	2/24/2025 18:10:10	Sample	LDR	110	072SMPL.d	Fail	QC check failed.	1		ICPMS		
88	2/24/2025 18:13:22	Sample	TRURINSE	160	073SMPL.d	Pass		1		ICPMS		
89	2/24/2025 18:16:32	Sample	WASH	6	074SMPL.d	Pass		1		ICPMS		
90	2/24/2025 18:19:43	Sample	WASH	6	075SMPL.d	Pass		1		ICPMS		
91	2/24/2025 18:22:54	Sample	WASH	6	076SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
85													
86													
87													
88													
89													
90													
91													

#	QC Failed Criteria	QC Failed Elements
85	ISTD Criteria1	No Gas:Li,Sc
86	ISTD Criteria1	No Gas:Li,Sc
87	ISTD Criteria1	No Gas:Sc
88		
89		
90		
91		

Batch Log

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\250225ME.b

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
1	2/25/2025 09:56:43	CalBlk	CAL BLANK	1	001CALB.d	Pass		1		ICPMS		1
2	2/25/2025 09:59:56	CalBlk	CAL BLANK	1	002CALB.d	Pass		1		ICPMS		1
3	2/25/2025 10:03:21	CalBlk	CAL BLANK	1	003CALB.d	Pass		1		ICPMS		1
4	2/25/2025 10:06:42	ICAL 1	STANDARD 1	101	004CAL1.d	Pass		1		ICPMS		2
5	2/25/2025 10:10:05	ICAL 2	STANDARD 2	102	005CAL2.d	Fail	QC check failed.	1		ICPMS		3
6	2/25/2025 10:13:26	ICAL 3	STANDARD 3	103	006CAL3.d	Pass		1		ICPMS		4
7	2/25/2025 10:16:49	ICAL 4	STANDARD 4	104	007CAL4.d	Pass		1		ICPMS		5

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
1													
2			100	1	1	100							
3													
4													
5													
6													
7													

#	QC Failed Criteria	QC Failed Elements
1		
2		
3		
4		
5	Main Error1 Criteria1	He:Cd
6		
7		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
8	2/25/2025 10:20:10	ICAL 5	STANDARD 5	5	008CAL5.d	Pass		1		ICPMS		6
9	2/25/2025 10:23:32	ICAL 6	STANDARD 6	106	009CAL6.d	Pass		1		ICPMS		7
10	2/25/2025 10:26:48	ICAL 7	STANDARD 7	107	010CAL7.d	Pass		1		ICPMS		8
11	2/25/2025 10:30:05	Sample	Wash	6	011SMPL.d	Pass		1		ICPMS		
12	2/25/2025 10:32:56	<Pause>				Pass				ICPMS		
13	2/25/2025 10:46:23	Sample	Wash	6	012SMPL.d	Pass		1		ICPMS		
14	2/25/2025 10:49:33	ICB	ICB	1	013_ICB.d	Pass		1		ICPMS		
15	2/25/2025 10:52:42	ICV	ICV	111	014_ICV.d	Pass		1		ICPMS		
16	2/25/2025 10:55:49	Sample	Wash	6	015SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
8													
9													
10													
11													
12													
13													
14													
15													
16													

#	QC Failed Criteria	QC Failed Elements
8		
9		
10		
11		
12		
13		
14		
15		
16		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
17	2/25/2025 10:58:56	ICSA	ICSA	112	016ICSA.d	Pass		1		ICPMS		
18	2/25/2025 11:01:47	<Pause>				Pass				ICPMS		
19	2/25/2025 10:58:39	Sample	LDR	110		Skip				ICPMS		
20	2/25/2025 11:53:24	Sample	Wash	6	017SMPL.d	Pass		1		ICPMS		
21	2/25/2025 11:56:16	<Pause>				Pass				ICPMS		
22	2/25/2025 13:13:12	Sample	MB-46855	201	018SMPL.d	Fail	QC check failed.	1		ICPMS		
23	2/25/2025 13:16:24	LCS	LCS-46855	202	019_LCS.d	Fail	QC check failed.	1		ICPMS		
24	2/25/2025 13:19:32	Sample	2502194-008B	203	020SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
17													
18													
19													
20													
21													
22													
23													
24													

#	QC Failed Criteria	QC Failed Elements
17		
18		
19		
20		
21		
22	Main Error1 Criteria1	He:Na
23	Main Error1 Criteria1	No Gas:B H2:Se,Ca He:Na,Mg,K,V,Cr,Fe,Co,Ni,Cu,Zn,P,As,Sr,Ag,Cd,Ba,Tl,Pb,U,Al,Se,Ca

Batch Log

#	QC Failed Criteria	QC Failed Elements
24	Main Error1 Criteria1	He:Na

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
25	2/25/2025 13:22:37	Sample	2502194-008BMS	204	021SMPL.d	Fail	QC check failed.	1		ICPMS		
26	2/25/2025 13:25:45	Sample	2502194-008BMSDIL	205	022SMPL.d	Pass		1		ICPMS		
27	2/25/2025 13:28:52	Sample	2502194-008BMSD	206	023SMPL.d	Fail	QC check failed.	1		ICPMS		
28	2/25/2025 13:28:35	CCV	CCV	5		Skip				ICPMS		
29	2/25/2025 13:28:35	CCB	CCB	1		Skip				ICPMS		
30	2/25/2025 13:32:02	Sample	2502194-008BPDS	207	024SMPL.d	Fail	QC check failed.	1		ICPMS		
31	2/25/2025 13:35:09	CCV	CCV	5	025_CCV.d	Pass		1		ICPMS		
32	2/25/2025 13:38:17	CCB	CCB	1	026_CCB.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
25													
26			5										
27													
28													
29													
30													
31													
32													

#	QC Failed Criteria	QC Failed Elements
25	Main Error1 Criteria1	He:Na
26		
27	Main Error1 Criteria1	He:Na
28		
29		
30	Main Error1 Criteria1	He:Na
31		
32		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
33	2/25/2025 13:41:25	Sample	2502194-009B	208	027SMPL.d	Fail	QC check failed.	1		ICPMS		
34	2/25/2025 13:44:33	Sample	2502117-001A	209	028SMPL.d	Fail	QC check failed.	1		ICPMS		
35	2/25/2025 13:47:41	Sample	2502117-002A	210	029SMPL.d	Fail	QC check failed.	1		ICPMS		
36	2/25/2025 13:50:49	Sample	2502117-003A	211	030SMPL.d	Fail	QC check failed.	1		ICPMS		
37	2/25/2025 13:53:58	Sample	2502117-004A	212	031SMPL.d	Fail	QC check failed.	1		ICPMS		
38	2/25/2025 13:57:06	Sample	2502117-005A	213	032SMPL.d	Fail	QC check failed.	1		ICPMS		
39	2/25/2025 14:00:14	Sample	2502117-006A	214	033SMPL.d	Fail	QC check failed.	1		ICPMS		
40	2/25/2025 14:03:22	Sample	2502326-001A	215	034SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
33													
34													
35													
36													
37													
38													
39													
40													

#	QC Failed Criteria	QC Failed Elements
33	Main Error1 Criteria1	He:Na
34	Main Error1 Criteria1	He:Na
35	Main Error1 Criteria1	He:Na
36	Main Error1 Criteria1	He:Na
37	Main Error1 Criteria1	He:Na
38	Main Error1 Criteria1	He:Na,Zn
39	Main Error1 Criteria1	He:Na
40		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
41	2/25/2025 14:06:30	Sample	2502326-002A	216	035SMPL.d	Pass		1		ICPMS		
42	2/25/2025 14:09:38	Sample	2502326-003A	217	036SMPL.d	Fail	QC check failed.	1		ICPMS		
43	2/25/2025 14:09:20	CCV	CCV	5		Skip				ICPMS		
44	2/25/2025 14:09:20	CCB	CCB	1		Skip				ICPMS		
45	2/25/2025 14:12:45	CCV	CCV	5	037_CCV.d	Pass		1		ICPMS		
46	2/25/2025 14:15:56	CCB	CCB	1	038_CCB.d	Pass		1		ICPMS		
47	2/25/2025 14:19:04	Sample	2502326-004A	218	039SMPL.d	Fail	QC check failed.	1		ICPMS		
48	2/25/2025 14:22:13	Sample	2502326-005A	219	040SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
41													
42													
43													
44													
45													
46													
47													
48													

#	QC Failed Criteria	QC Failed Elements
41		
42	Main Error1 Criteria1	He:Na
43		
44		
45		
46		
47	Main Error1 Criteria1	He:Na,Zn
48	ISTD Criteria1	No Gas:Li

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
49	2/25/2025 14:25:22	Sample	2502326-006A	220	041SMPL.d	Fail	QC check failed.	1		ICPMS		
50	2/25/2025 14:28:32	Sample	2502363-001A	221	042SMPL.d	Fail	QC check failed.	1		ICPMS		
51	2/25/2025 14:31:39	Sample	2502369-001A	222	043SMPL.d	Pass		1		ICPMS		
52	2/25/2025 14:34:33	<Pause>				Pass				ICPMS		
53	2/25/2025 14:35:39	CCV	CCV	5	044_CCV.d	Pass		1		ICPMS		
54	2/25/2025 14:38:50	CCB	CCB	1	045_CCB.d	Pass		1		ICPMS		
55	2/25/2025 14:41:41	<Pause>				Pass				ICPMS		
56	2/25/2025 15:06:42	LCS	LCS-46855	202	046_LCS.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
49													
50													
51													
52													
53													
54													
55													
56													

#	QC Failed Criteria	QC Failed Elements
49	ISTD Criteria1	No Gas:Li
50	ISTD Criteria1	No Gas:Li,Sc
51		
52		
53		
54		
55		

Batch Log

#	QC Failed Criteria	QC Failed Elements
56	Main Error1 Criteria1	No Gas:Be,B H2:Se,Ca He:Na,Mg,K,V, Cr,Mn,Fe,Co,N i,Cu,Zn,P,As,S r,Ag,Cd,Ba,Tl, Pb,U,Al,Se,Ca

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
57	2/25/2025 15:09:59	Sample	wash	6	047SMPL.d	Pass		1		ICPMS		
58	2/25/2025 15:12:52	<Pause>				Pass				ICPMS		
59	2/25/2025 15:44:32	Sample	MB-46856	223	048SMPL.d	Pass		1		ICPMS		
60	2/25/2025 15:47:45	LCS	LCS-46856	224	049_LCS.d	Fail	QC check failed.	1		ICPMS		
61	2/25/2025 15:50:54	Sample	WASH	6	050SMPL.d	Pass		1		ICPMS		
62	2/25/2025 15:54:06	Sample	LL	225	051SMPL.d	Pass		1		ICPMS		
63	2/25/2025 15:57:18	Sample	LL	226	052SMPL.d	Pass		1		ICPMS		
64	2/25/2025 16:00:27	Sample	LL	227	053SMPL.d	Pass		1		ICPMS		
65	2/25/2025 16:03:37	Sample	HL	228	054SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
57													
58													
59													
60													
61													
62													
63													
64													
65													

#	QC Failed Criteria	QC Failed Elements
57		
58		
59		
60	Main Error1 Criteria1	He:Hg
61		
62		
63		
64		
65		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
66	2/25/2025 16:06:47	Sample	HL	229	055SMPL.d	Pass		1		ICPMS		
67	2/25/2025 16:06:32	CCV	CCV	5		Skip				ICPMS		
68	2/25/2025 16:06:32	CCB	CCB	1		Skip				ICPMS		
69	2/25/2025 16:09:58	CCV	CCV	5	056_CCV.d	Pass		1		ICPMS		
70	2/25/2025 16:13:08	CCB	CCB	1	057_CCB.d	Pass		1		ICPMS		
71	2/25/2025 16:16:21	Sample	HL	230	058SMPL.d	Pass		1		ICPMS		
72	2/25/2025 16:19:31	Sample	A	231	059SMPL.d	Pass		1		ICPMS		
73	2/25/2025 16:22:41	Sample	B	232	060SMPL.d	Pass		1		ICPMS		
74	2/25/2025 16:25:52	Sample	C	233	061SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
66													
67													
68													
69													
70													
71													
72													
73													
74													

#	QC Failed Criteria	QC Failed Elements
66		
67		
68		
69		
70		
71		
72		
73		
74		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
75	2/25/2025 16:29:02	Sample	2502357-001B	234	062SMPL.d	Fail	QC check failed.	1		ICPMS		
76	2/25/2025 16:32:13	Sample	2502357-001BDUP	235	063SMPL.d	Fail	QC check failed.	1		ICPMS		
77	2/25/2025 16:35:24	Sample	2502357-001BMS	236	064SMPL.d	Fail	QC check failed.	1		ICPMS		
78	2/25/2025 16:38:35	Sample	2502358-001C	237	065SMPL.d	Pass		1		ICPMS		
79	2/25/2025 16:41:45	Sample	2502359-001B	238	066SMPL.d	Pass		1		ICPMS		
80	2/25/2025 16:44:56	Sample	2502359-002B	239	067SMPL.d	Pass		1		ICPMS		
81	2/25/2025 16:44:41	CCV	CCV	5		Skip				ICPMS		
82	2/25/2025 16:44:41	CCB	CCB	1		Skip				ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
75													
76													
77													
78													
79													
80													
81													
82													

#	QC Failed Criteria	QC Failed Elements
75	Main Error1 Criteria1	He:Na
76	Main Error1 Criteria1	He:Na
77	Main Error1 Criteria1	He:Na
78		
79		
80		
81		
82		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
83	2/25/2025 16:48:07	CCV	CCV	5	068_CCV.d	Pass		1		ICPMS		
84	2/25/2025 16:51:03	<Pause>				Pass				ICPMS		
85	2/25/2025 17:00:32	CCB	CCB	1	069_CCB.d	Pass		1		ICPMS		
86	2/25/2025 17:03:45	Sample	2502359-003B	240	070SMPL.d	Fail	QC check failed.	1		ICPMS		
87	2/25/2025 17:06:55	Sample	2502359-004B	241	071SMPL.d	Fail	QC check failed.	1		ICPMS		
88	2/25/2025 17:10:07	Sample	2502359-005B	242	072SMPL.d	Fail	QC check failed.	1		ICPMS		
89	2/25/2025 17:13:18	Sample	2502361-001A	243	073SMPL.d	Fail	QC check failed.	1		ICPMS		
90	2/25/2025 17:16:29	Sample	2502370-001C	244	074SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
83													
84													
85													
86													
87													
88													
89													
90													

#	QC Failed Criteria	QC Failed Elements
83		
84		
85		
86	Main Error1 Criteria1	He:Na
87	Main Error1 Criteria1	He:Na
88	Main Error1 Criteria1	He:Na
89	Main Error1 Criteria1	H2:Ca He:Na,Ca
90		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
91	2/25/2025 17:19:39	Sample	2502370-002C	245	075SMPL.d	Pass		1		ICPMS		
92	2/25/2025 17:22:50	Sample	2502373-001A	246	076SMPL.d	Pass		1		ICPMS		
93	2/25/2025 17:26:01	Sample	2502380-001A	247	077SMPL.d	Pass		1		ICPMS		
94	2/25/2025 17:29:12	Sample	2502380-002A	248	078SMPL.d	Fail	QC check failed.	1		ICPMS		
95	2/25/2025 17:32:24	Sample	2502391-001E	249	079SMPL.d	Fail	QC check failed.	1		ICPMS		
96	2/25/2025 17:32:10	CCV	CCV	5		Skip				ICPMS		
97	2/25/2025 17:32:10	CCB	CCB	1		Skip				ICPMS		
98	2/25/2025 17:35:38	CCV	CCV	5	080_CCV.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
91													
92													
93			10										
94			10										
95													
96													
97													
98													

#	QC Failed Criteria	QC Failed Elements
91		
92		
93		
94	Main Error1 Criteria1	He:Na
95	Main Error1 Criteria1	H2:Ca He:Na,Mg,K,Ca
96		
97		
98	ISTD Criteria1	No Gas:Li

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
99	2/25/2025 17:38:49	CCB	CCB	1	081_CCB.d	Pass		1		ICPMS		
100	2/25/2025 17:42:01	Sample	2502397-001B	250	082SMPL.d	Fail	QC check failed.	1		ICPMS		
101	2/25/2025 17:45:13	Sample	2502404-001D	251	083SMPL.d	Fail	QC check failed.	1		ICPMS		
102	2/25/2025 17:48:26	Sample	2502405-001E	252	084SMPL.d	Fail	QC check failed.	1		ICPMS		
103	2/25/2025 17:51:38	Sample	2502409-001A	253	085SMPL.d	Fail	QC check failed.	1		ICPMS		
104	2/25/2025 17:54:50	Sample	2502409-002B	254	086SMPL.d	Fail	QC check failed.	1		ICPMS		
105	2/25/2025 17:58:02	Sample	2502409-002BMS	255	087SMPL.d	Fail	QC check failed.	1		ICPMS		
106	2/25/2025 18:01:14	CCV	CCV	5	088_CCV.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
99													
100													
101													
102													
103													
104													
105													
106													

#	QC Failed Criteria	QC Failed Elements
99		
100	Main Error1 Criteria1	H2:Ca He:Na,Ca
101	Main Error1 Criteria1	H2:Ca He:Na,Ca
102	Main Error1 Criteria1	H2:Ca He:Ca
103	Main Error1 Criteria1	He:Na,K
104	Main Error1 Criteria1	He:Na,K

Batch Log

#	QC Failed Criteria	QC Failed Elements
105	Main Error1 Criteria1	He:Na,K
106	Main Error1 Criteria1	He:Ti,U

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
107	2/25/2025 18:04:26	CCB	CCB	1	089_CCB.d	Pass		1		ICPMS		
108	2/25/2025 18:07:37	Sample	MB-46857	401	090SMPL.d	Pass		1		ICPMS		
109	2/25/2025 18:10:49	LCS	LCS-46857	402	091_LCS.d	Fail	QC check failed.	1		ICPMS		
110	2/25/2025 18:14:02	Sample	2502364-001B	403	092SMPL.d	Fail	QC check failed.	1		ICPMS		
111	2/25/2025 18:17:15	Sample	2502364-001BMS	404	093SMPL.d	Fail	QC check failed.	1		ICPMS		
112	2/25/2025 18:20:30	Sample	2502364-001BMSD	405	094SMPL.d	Fail	QC check failed.	1		ICPMS		
113	2/25/2025 18:23:44	Sample	2502364-001BMSDIL	406	095SMPL.d	Fail	QC check failed.	1		ICPMS		
114	2/25/2025 18:26:58	Sample	2502364-001BPDS	407	096SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
107													
108													
109													
110													
111													
112													
113			5										
114													

#	QC Failed Criteria	QC Failed Elements
107		
108		
109	Main Error1 Criteria1	He:U
110	Main Error1 Criteria1	H2:Ca He:Na,Mg,Sr,Ca

Batch Log

#	QC Failed Criteria	QC Failed Elements
111	Main Error1 Criteria1	H2:Ca He:Na,Mg,Sr,Ca
112	Main Error1 Criteria1	H2:Ca He:Na,Ca
113	Main Error1 Criteria1	H2:Ca He:Na,Mg,Sr,Ca
114	Main Error1 Criteria1	H2:Ca He:Na,Mg,Sr,Ca

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
115	2/25/2025 18:30:12	Sample	2502335-001C	408	097SMPL.d	Fail	QC check failed.	1		ICPMS		
116	2/25/2025 18:33:25	Sample	2502364-002B	409	098SMPL.d	Fail	QC check failed.	1		ICPMS		
117	2/25/2025 18:36:39	Sample	2502364-003B	410	099SMPL.d	Fail	QC check failed.	1		ICPMS		
118	2/25/2025 18:36:25	CCV	CCV	5		Skip				ICPMS		
119	2/25/2025 18:36:25	CCB	CCB	1		Skip				ICPMS		
120	2/25/2025 18:39:55	CCV	CCV	5	100_CCV.d	Fail	QC check failed.	1		ICPMS		
121	2/25/2025 18:43:08	CCB	CCB	1	101_CCB.d	Pass		1		ICPMS		
122	2/25/2025 18:46:20	Sample	2502364-004B	411	102SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
115													
116													
117													
118													
119													
120													
121													
122													

Batch Log

#	QC Failed Criteria	QC Failed Elements
115	ISTD Criteria1	No Gas:Li
116	Main Error1 Criteria1	H2:Ca He:Na,Mg,K,Ca
117	Main Error1 Criteria1	H2:Ca He:Na,Mg,K,Ca
118		
119		
120	ISTD Criteria1	No Gas:Li
121		
122	Main Error1 Criteria1	H2:Ca He:Na,Mg,K,Ca

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
123	2/25/2025 18:49:35	Sample	2502364-005B	412	103SMPL.d	Fail	QC check failed.	1		ICPMS		
124	2/25/2025 18:52:50	Sample	2502364-006B	413	104SMPL.d	Fail	QC check failed.	1		ICPMS		
125	2/25/2025 18:56:05	Sample	2502364-007B	414	105SMPL.d	Fail	QC check failed.	1		ICPMS		
126	2/25/2025 18:59:20	Sample	2502364-008B	415	106SMPL.d	Fail	QC check failed.	1		ICPMS		
127	2/25/2025 19:02:35	Sample	2502364-009B	416	107SMPL.d	Fail	QC check failed.	1		ICPMS		
128	2/25/2025 19:05:50	Sample	2502364-010B	417	108SMPL.d	Fail	QC check failed.	1		ICPMS		
129	2/25/2025 19:09:05	Sample	2502365-001B	418	109SMPL.d	Fail	QC check failed.	1		ICPMS		
130	2/25/2025 19:12:20	Sample	2502365-002B	419	110SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
123													
124													
125													
126													
127													

Batch Log

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
128													
129													
130													

#	QC Failed Criteria	QC Failed Elements
123	Main Error1 Criteria1	H2:Ca He:Na,Mg,K,Mn,Ba,Ca
124	Main Error1 Criteria1	H2:Ca He:Na,Mg,K,Mn,Ba,Ca
125	Main Error1 Criteria1	H2:Ca He:Na,Mg,K,Mn,Ba,Ca
126	Main Error1 Criteria1	H2:Ca He:Na,Mg,K,Ca
127	Main Error1 Criteria1	H2:Ca He:Na,Mg,K,Ca
128	ISTD Criteria1	No Gas:Sc
129	ISTD Criteria1	No Gas:Sc
130	Main Error1 Criteria1	H2:Ca He:Na,Mg,Ca

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
131	2/25/2025 19:15:35	Sample	2502365-003B	420	111SMPL.d	Fail	QC check failed.	1		ICPMS		
132	2/25/2025 19:15:21	CCV	CCV	5		Skip				ICPMS		
133	2/25/2025 19:15:21	CCB	CCB	1		Skip				ICPMS		
134	2/25/2025 19:18:52	CCV	CCV	5	112_CCV.d	Fail	QC check failed.	1		ICPMS		
135	2/25/2025 19:22:04	CCB	CCB	1	113_CCB.d	Fail	QC check failed.	1		ICPMS		
136	2/25/2025 19:25:17	Sample	2502393-001D	421	114SMPL.d	Fail	QC check failed.	1		ICPMS		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
137	2/25/2025 19:28:31	Sample	2502393-002D	422	115SMPL.d	Fail	QC check failed.	1		ICPMS		
138	2/25/2025 19:31:46	Sample	2502393-003D	423	116SMPL.d	Fail	QC check failed.	1		ICPMS		
139	2/25/2025 19:35:00	Sample	2502393-004D	424	117SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
131													
132													
133													
134													
135													
136													
137													
138													
139													

#	QC Failed Criteria	QC Failed Elements
131	ISTD Criteria1	No Gas:Sc
132		
133		
134	ISTD Criteria1	No Gas:Li,Sc
135	ISTD Criteria1	No Gas:Li
136	ISTD Criteria1	No Gas:Sc
137	ISTD Criteria1	No Gas:Sc
138	ISTD Criteria1	No Gas:Sc
139	ISTD Criteria1	No Gas:Sc

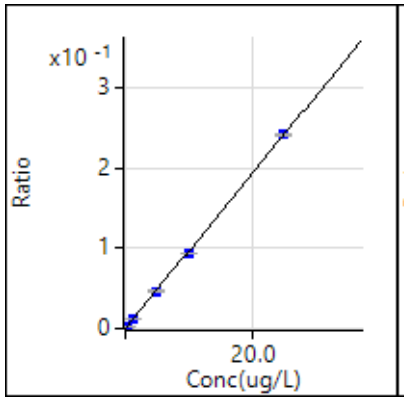
Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
140	2/25/2025 19:38:15	CCV	CCV	5	118_CCV.d	Fail	QC check failed.	1		ICPMS		
141	2/25/2025 19:41:29	CCB	CCB	1	119_CCB.d	Fail	QC check failed.	1		ICPMS		
142	2/25/2025 19:44:43	Sample	LDR	110	120SMPL.d	Fail	QC check failed.	1		ICPMS		
143	2/25/2025 19:47:57	Sample	TRURINSE	160	121SMPL.d	Pass		1		ICPMS		
144	2/25/2025 19:51:12	Sample	WASH	6	122SMPL.d	Pass		1		ICPMS		
145	2/25/2025 19:54:26	Sample	WASH	6	123SMPL.d	Pass		1		ICPMS		
146	2/25/2025 19:57:40	Sample	WASH	6	124SMPL.d	Pass		1		ICPMS		

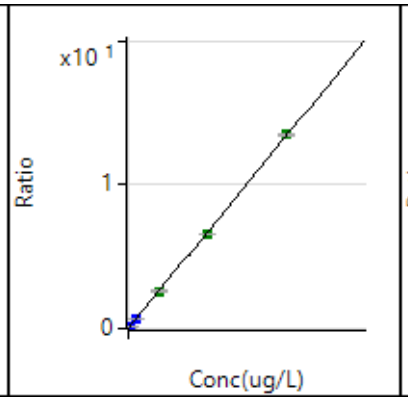
#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
140													
141													
142													
143													
144													
145													
146													

#	QC Failed Criteria	QC Failed Elements
140	ISTD Criteria1	No Gas:Li,Sc
141	ISTD Criteria1	No Gas:Li
142	ISTD Criteria1	No Gas:Li,Sc H2:Sc,In,Ge He:Ge,Sc,Lu,In,Tb,Bi,Rh
143		
144		
145		
146		

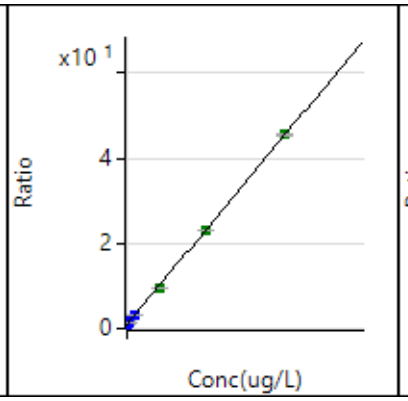
Calibration



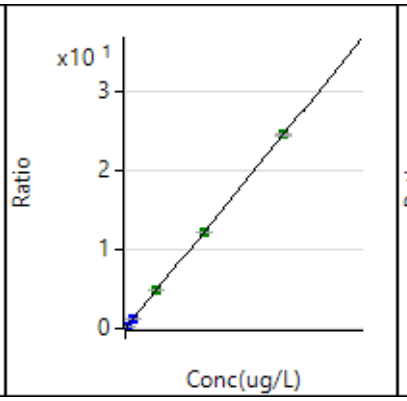
9 Be [No Gas]
ISTD: 6 Li
y = 9.589E-3 x + 9.732E-5
R 0.9999
DL 0.005451
BEC 0.01015



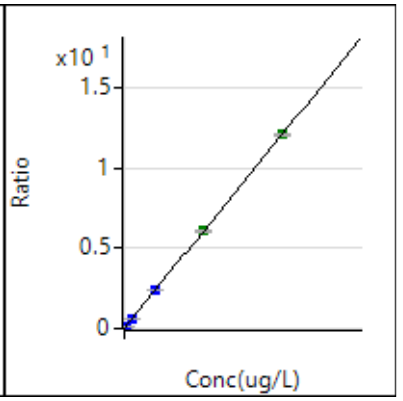
11 B [No Gas]
ISTD: 6 Li
y = 5.352E-3 x + 1.724E-2
R 0.9999
DL 0.3139
BEC 3.222



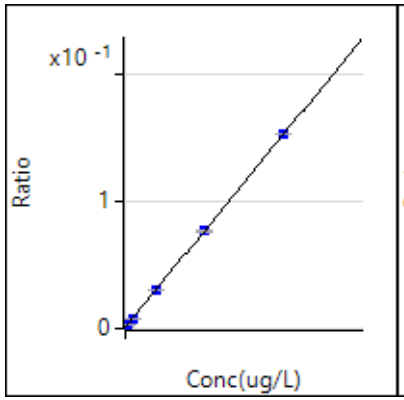
23 Na [He]
ISTD: 45 Sc
y = 8.866E-3 x + 1.036E0
R 0.9999
DL 4.828
BEC 116.9



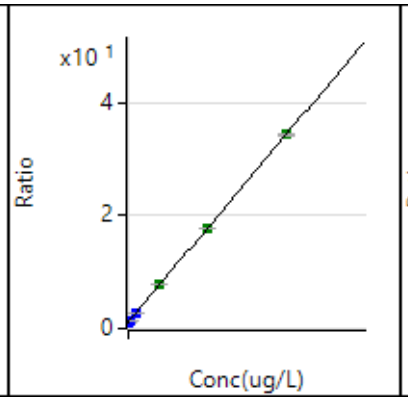
24 Mg [He]
ISTD: 45 Sc
y = 4.906E-3 x + 3.061E-3
R 1.0000
DL 0.1526
BEC 0.624



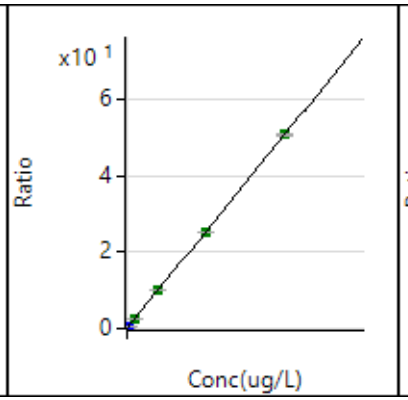
27 Al [He]
ISTD: 45 Sc
y = 2.418E-3 x + 4.434E-3
R 1.0000
DL 0.3297
BEC 1.834



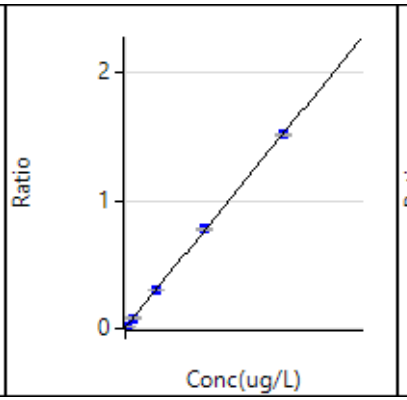
31 P [He]
ISTD: 159 Tb
y = 3.032E-5 x + 1.119E-3
R 1.0000
DL 3.011
BEC 36.9



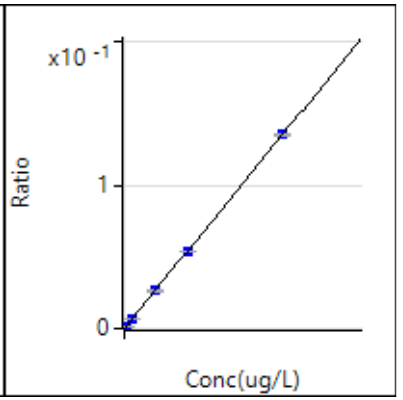
39 K [He]
ISTD: 45 Sc
y = 6.649E-3 x + 1.148E0
R 1.0000
DL 33.43
BEC 172.7



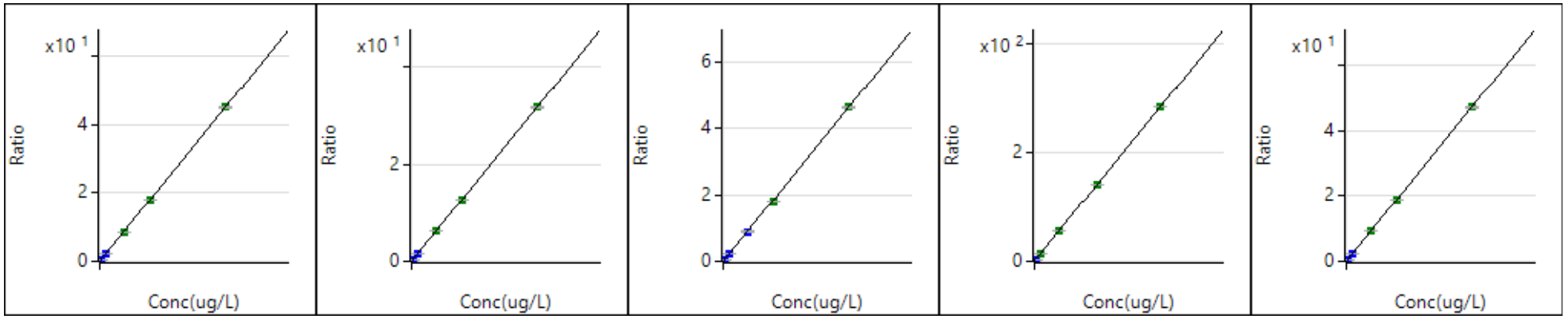
40 Ca [H2]
ISTD: 45 Sc
y = 1.015E-2 x + 3.483E-2
R 1.0000
DL 0.292
BEC 3.432



44 Ca [He]
ISTD: 45 Sc
y = 3.030E-4 x + 6.738E-3
R 0.9999
DL 2.476
BEC 22.23



47 Ti [He]
ISTD: 159 Tb
y = 2.701E-4 x + 9.288E-6
R 1.0000
DL 0.02704
BEC 0.03439



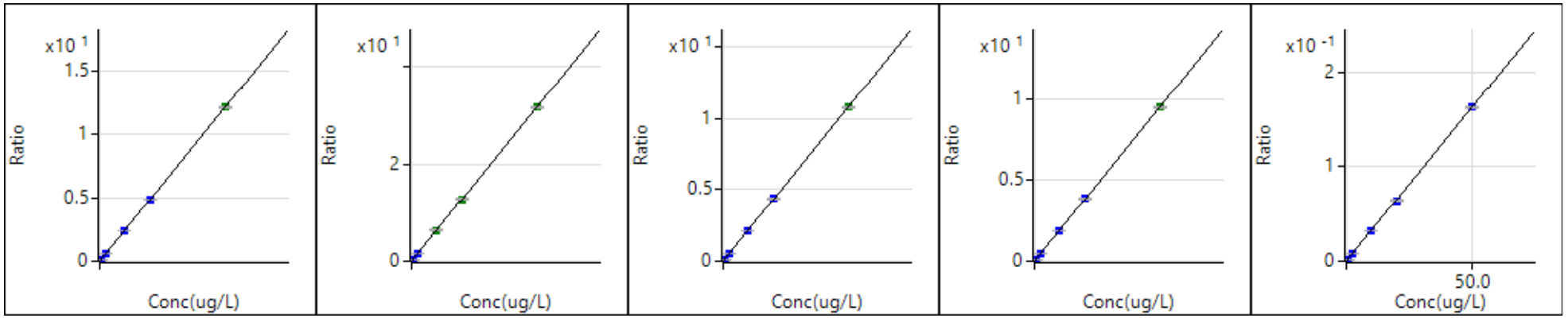
51 V [He]
ISTD: 72 Ge
y = 8.998E-2 x + 4.517E-2
R 1.0000
DL 0.0183
BEC 0.502

52 Cr [He]
ISTD: 45 Sc
y = 6.348E-2 x + 1.546E-2
R 1.0000
DL 0.01735
BEC 0.2435

55 Mn [He]
ISTD: 115 In
y = 9.255E-3 x + 1.059E-3
R 0.9999
DL 0.00586
BEC 0.1144

56 Fe [He]
ISTD: 45 Sc
y = 5.661E-2 x + 7.718E-1
R 1.0000
DL 0.4494
BEC 13.63

59 Co [He]
ISTD: 45 Sc
y = 9.426E-2 x + 8.591E-4
R 1.0000
DL 0.003373
BEC 0.009114



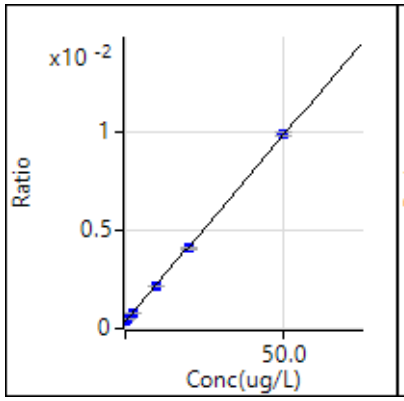
60 Ni [He]
ISTD: 45 Sc
y = 2.430E-2 x + 1.114E-3
R 1.0000
DL 0.005344
BEC 0.04582

63 Cu [He]
ISTD: 45 Sc
y = 6.344E-2 x + 1.745E-2
R 1.0000
DL 0.01352
BEC 0.275

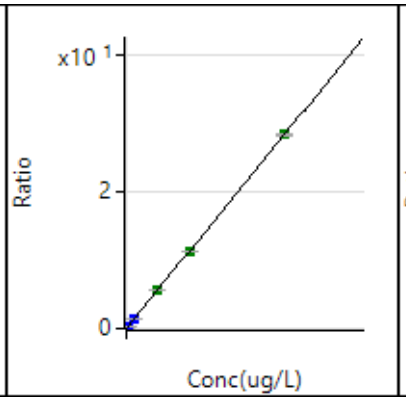
66 Zn [He]
ISTD: 72 Ge
y = 2.155E-2 x + 5.203E-3
R 1.0000
DL 0.0724
BEC 0.2415

75 As [He]
ISTD: 72 Ge
y = 1.908E-2 x + 1.824E-3
R 1.0000
DL 0.02801
BEC 0.09557

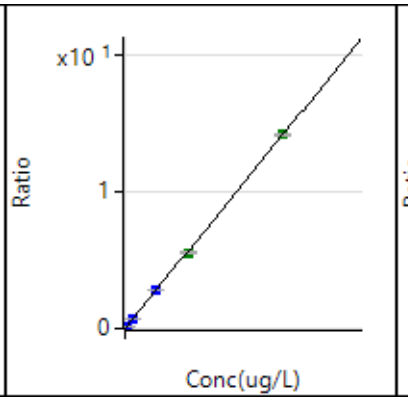
78 Se [H2]
ISTD: 72 Ge
y = 3.250E-3 x + 1.979E-4
R 1.0000
DL 0.004812
BEC 0.0609



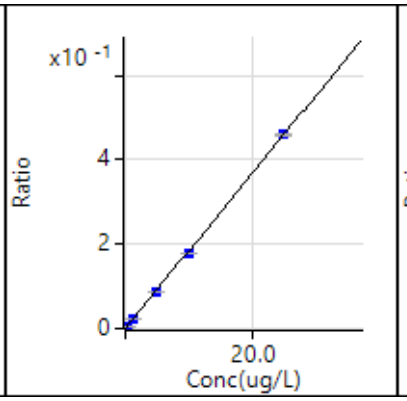
78 Se [He]
ISTD: 115 In
y = 1.898E-4 x + 3.596E-4
R 0.9999
DL 0.3278
BEC 1.895



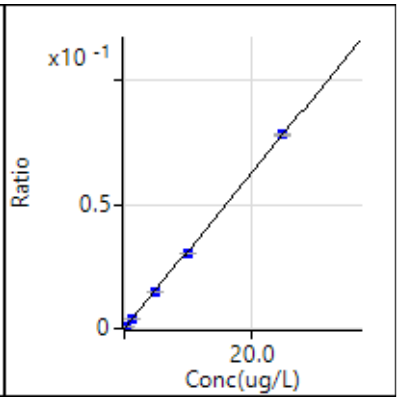
88 Sr [He]
ISTD: 45 Sc
y = 5.655E-2 x + 1.006E-3
R 1.0000
DL 0.002064
BEC 0.01779



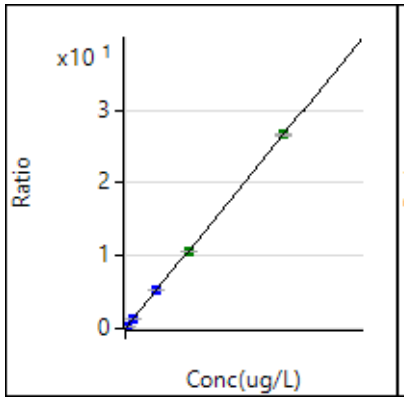
95 Mo [He]
ISTD: 45 Sc
y = 2.831E-2 x + 1.927E-4
R 1.0000
DL 0.003921
BEC 0.006806



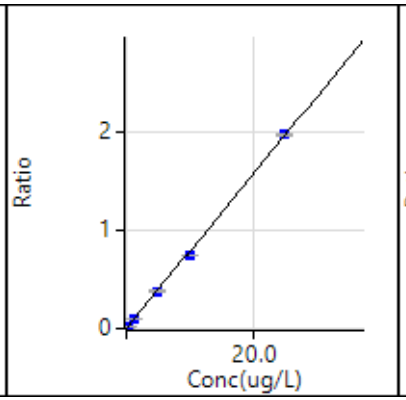
107 Ag [He]
ISTD: 115 In
y = 1.830E-2 x + 1.622E-4
R 0.9999
DL 0.001232
BEC 0.008862



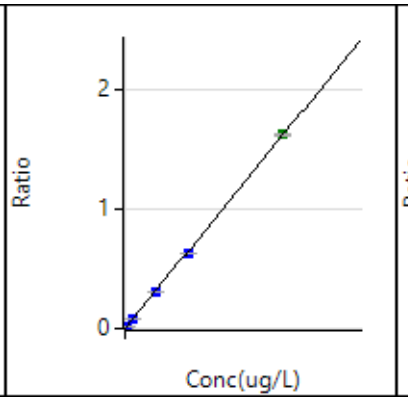
111 Cd [He]
ISTD: 115 In
y = 3.110E-3 x - 1.789E-5
R 0.9999
DL 0.02401
BEC -0.005754



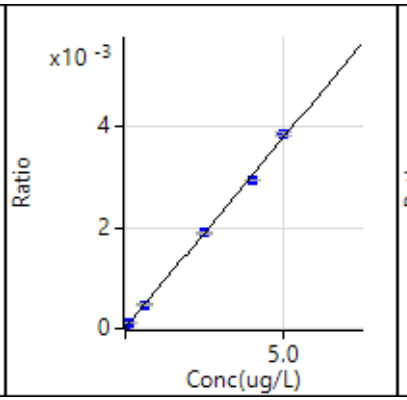
118 Sn [He]
ISTD: 72 Ge
y = 5.313E-2 x + 2.071E-3
R 1.0000
DL 0.01045
BEC 0.03899



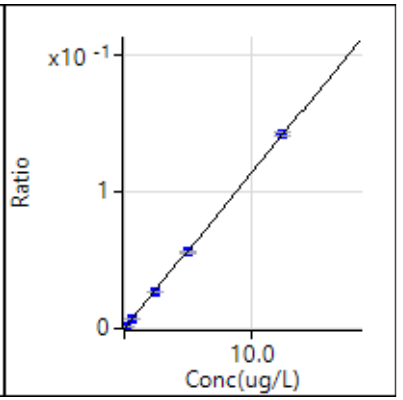
121 Sb [He]
ISTD: 72 Ge
y = 7.788E-2 x + 2.759E-4
R 0.9997
DL 0.001934
BEC 0.003542



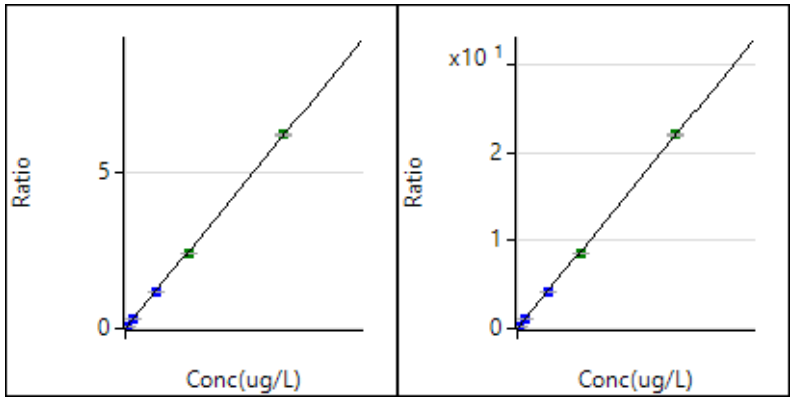
137 Ba [He]
ISTD: 115 In
y = 3.227E-3 x + 4.833E-5
R 0.9999
DL 0.00315
BEC 0.01498



201 Hg [He]
ISTD: 159 Tb
y = 7.537E-4 x + 1.110E-5
R 0.9997
DL 0.001501
BEC 0.01472



205 Tl [He]
ISTD: 159 Tb
y = 1.133E-2 x + 7.766E-6
R 0.9999
DL 0.000893
BEC 0.0006852

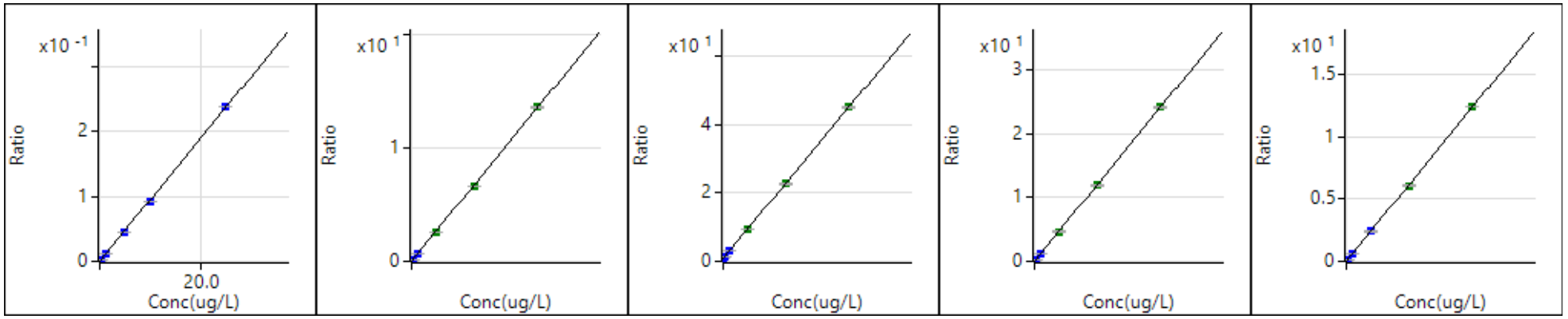


208 Pb [He]
ISTD: 115 In
y = 2.469E-2 x + 1.013E-3

R	0.9998
DL	0.02036
BEC	0.04101

238 U [He]
ISTD: 45 Sc
y = 4.387E-2 x + 5.549E-5

R	0.9999
DL	0.001926
BEC	0.001265



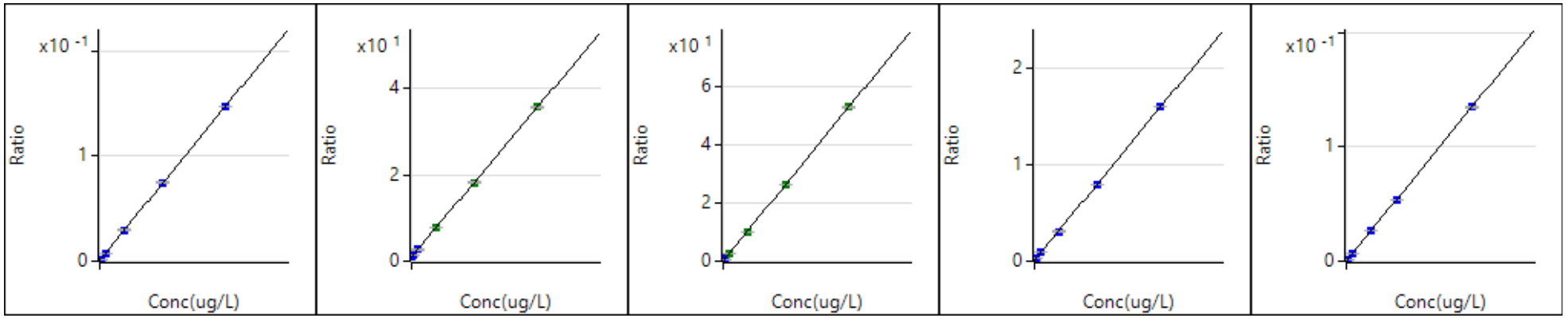
9 Be [No Gas]
ISTD: 6 Li
y = 9.448E-3 x + 8.447E-5
R 0.9999
DL 0.008396
BEC 0.00894

11 B [No Gas]
ISTD: 6 Li
y = 5.394E-3 x + 2.860E-2
R 0.9999
DL 0.1424
BEC 5.303

23 Na [He]
ISTD: 45 Sc
y = 8.796E-3 x + 8.704E-1
R 0.9999
DL 3.466
BEC 98.96

24 Mg [He]
ISTD: 45 Sc
y = 4.817E-3 x + 5.165E-3
R 1.0000
DL 0.9634
BEC 1.072

27 Al [He]
ISTD: 45 Sc
y = 2.463E-3 x + 4.226E-3
R 1.0000
DL 0.4356
BEC 1.716



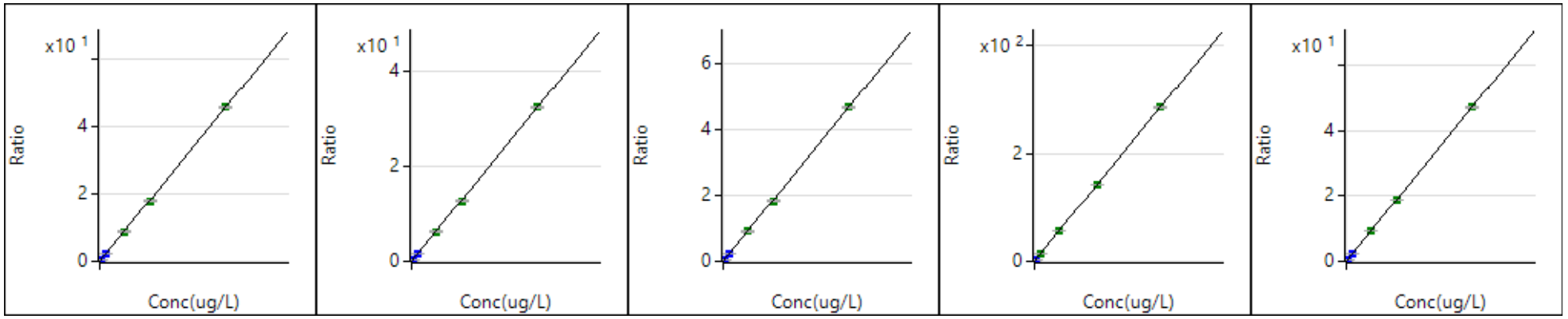
31 P [He]
ISTD: 159 Tb
y = 2.933E-5 x + 6.844E-4
R 1.0000
DL 3.105
BEC 23.34

39 K [He]
ISTD: 45 Sc
y = 6.919E-3 x + 1.004E0
R 1.0000
DL 28.46
BEC 145.1

40 Ca [H2]
ISTD: 45 Sc
y = 1.053E-2 x + 3.197E-2
R 0.9998
DL 0.07021
BEC 3.035

44 Ca [He]
ISTD: 45 Sc
y = 3.162E-4 x + 6.822E-3
R 0.9998
DL 3.403
BEC 21.57

47 Ti [He]
ISTD: 159 Tb
y = 2.697E-4 x + 1.405E-5
R 1.0000
DL 0.0287
BEC 0.05211



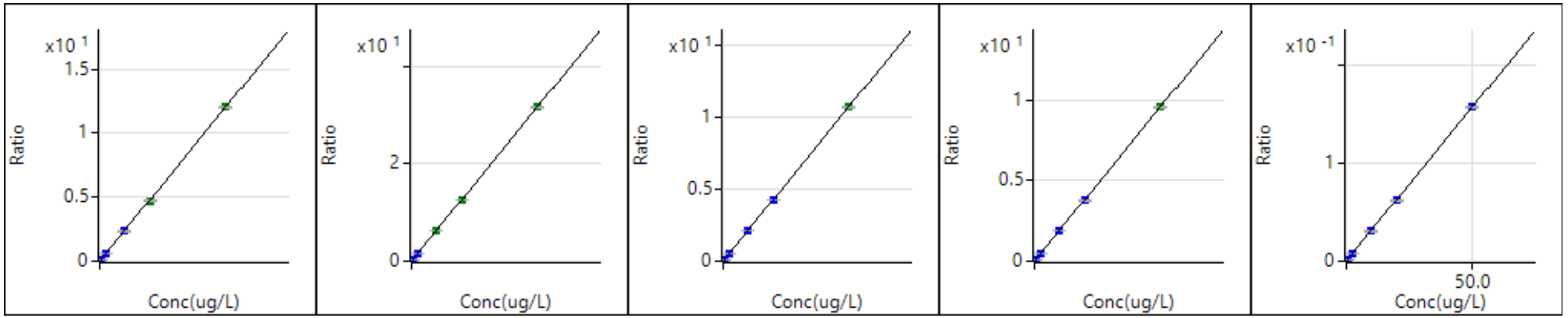
51 V [He]
ISTD: 72 Ge
y = 9.085E-2 x + 3.097E-2
R 0.9999
DL 0.01441
BEC 0.341

52 Cr [He]
ISTD: 45 Sc
y = 6.450E-2 x + 1.274E-2
R 1.0000
DL 0.02083
BEC 0.1976

55 Mn [He]
ISTD: 115 In
y = 9.352E-3 x + 1.030E-3
R 1.0000
DL 0.0149
BEC 0.1101

56 Fe [He]
ISTD: 45 Sc
y = 5.681E-2 x + 7.107E-1
R 1.0000
DL 0.9666
BEC 12.51

59 Co [He]
ISTD: 45 Sc
y = 9.433E-2 x + 1.335E-3
R 1.0000
DL 0.01578
BEC 0.01416



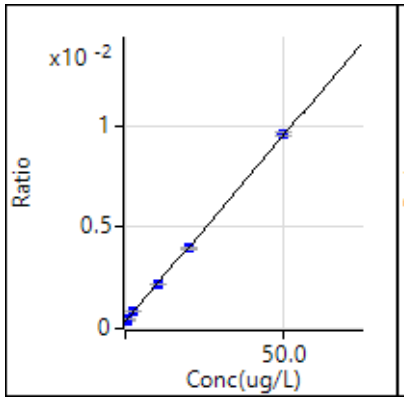
60 Ni [He]
ISTD: 45 Sc
y = 2.399E-2 x + 7.358E-4
R 1.0000
DL 0.01416
BEC 0.03066

63 Cu [He]
ISTD: 45 Sc
y = 6.322E-2 x + 3.116E-2
R 1.0000
DL 0.0103
BEC 0.493

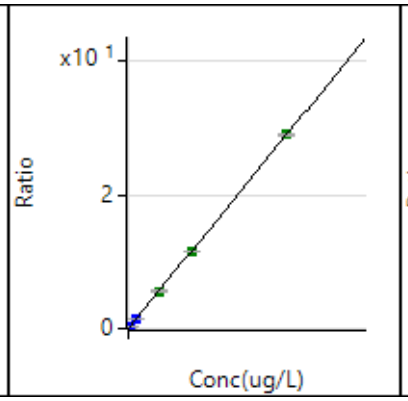
66 Zn [He]
ISTD: 72 Ge
y = 2.131E-2 x + 4.851E-3
R 1.0000
DL 0.03899
BEC 0.2277

75 As [He]
ISTD: 72 Ge
y = 1.908E-2 x + 1.575E-3
R 1.0000
DL 0.0115
BEC 0.08257

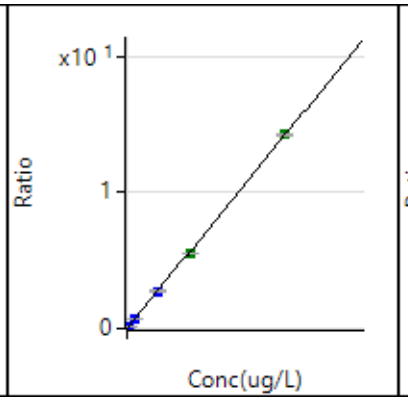
78 Se [H2]
ISTD: 72 Ge
y = 3.130E-3 x + 3.371E-4
R 1.0000
DL 0.01902
BEC 0.1077



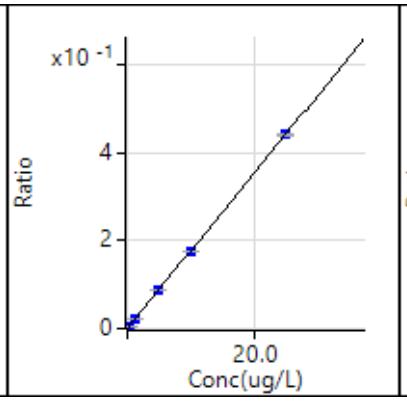
78 Se [He]
ISTD: 115 In
y = 1.829E-4 x + 3.849E-4
R 0.9999
DL 0.1652
BEC 2.105



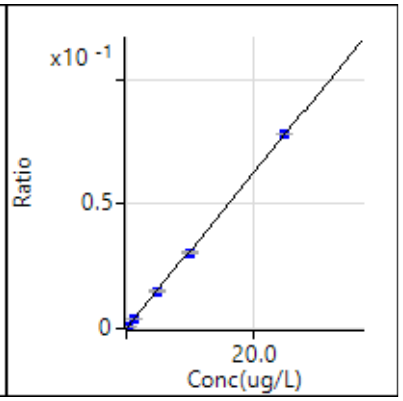
88 Sr [He]
ISTD: 45 Sc
y = 5.790E-2 x + 1.348E-3
R 1.0000
DL 0.01354
BEC 0.02328



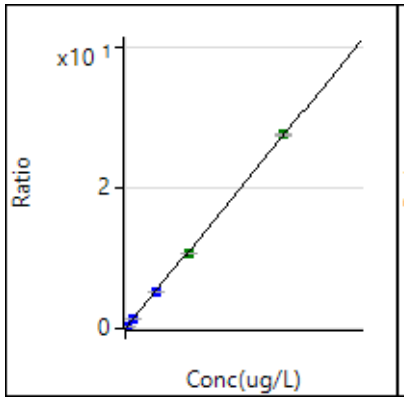
95 Mo [He]
ISTD: 45 Sc
y = 2.831E-2 x + 1.706E-4
R 0.9999
DL 0.005703
BEC 0.006028



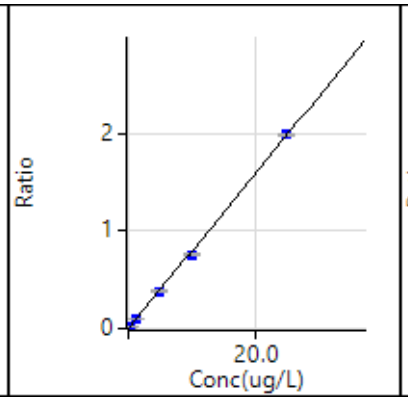
107 Ag [He]
ISTD: 115 In
y = 1.764E-2 x + 1.687E-4
R 1.0000
DL 0.0009979
BEC 0.009561



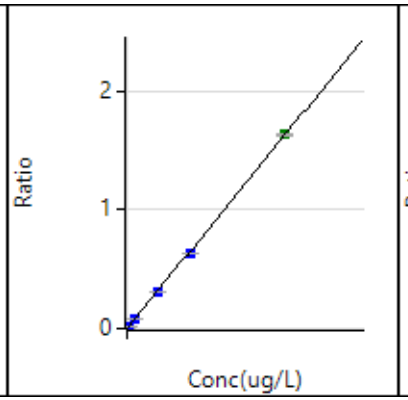
111 Cd [He]
ISTD: 115 In
y = 3.100E-3 x - 1.017E-5
R 0.9999
DL 0.01011
BEC -0.00328



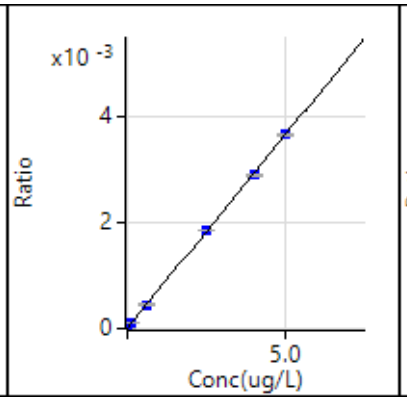
118 Sn [He]
ISTD: 72 Ge
y = 5.480E-2 x + 1.461E-3
R 0.9999
DL 0.02007
BEC 0.02667



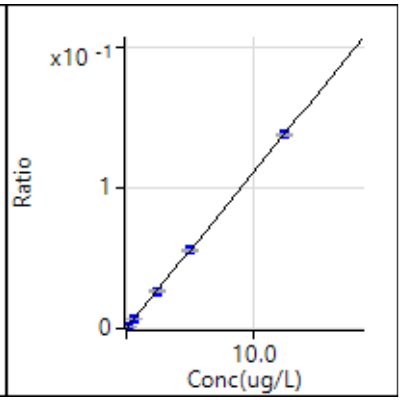
121 Sb [He]
ISTD: 72 Ge
y = 7.893E-2 x + 3.296E-4
R 0.9998
DL 0.004026
BEC 0.004176



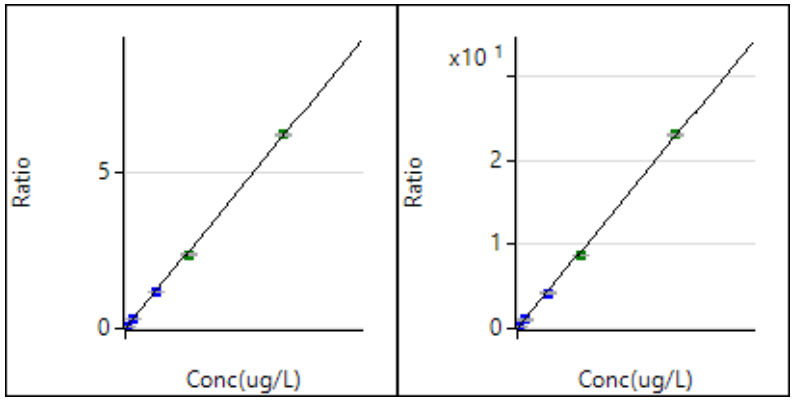
137 Ba [He]
ISTD: 115 In
y = 3.253E-3 x + 4.679E-5
R 0.9999
DL 0.001692
BEC 0.01438



201 Hg [He]
ISTD: 159 Tb
y = 7.275E-4 x + 6.657E-6
R 1.0000
DL 0.002156
BEC 0.00915



205 Tl [He]
ISTD: 159 Tb
y = 1.104E-2 x + 6.662E-6
R 1.0000
DL 0.0005321
BEC 0.0006034



208 Pb [He]
ISTD: 115 In
y = 2.455E-2 x + 1.204E-3

R	0.9998
DL	0.008005
BEC	0.04906

238 U [He]
ISTD: 45 Sc
y = 4.562E-2 x + 2.086E-4

R	0.9997
DL	0.009226
BEC	0.004573

Tunes

US EPA Tune Check Report

Operator Name	ICPMS
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\250224ME.b
Acq. Date-Time	2/24/2025 11:56:40
Report Comment	---
Instrument Name	G8422A SG22151236

[No Gas]

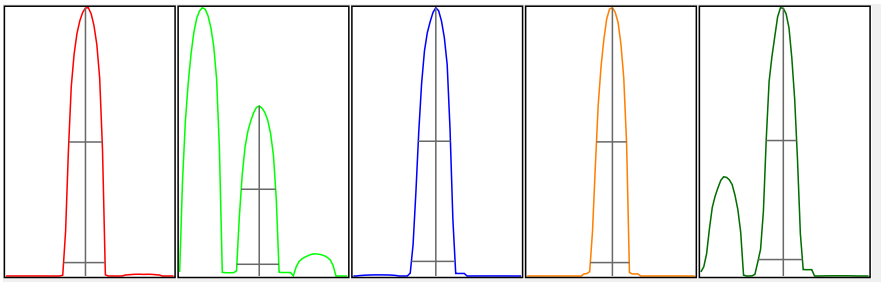
Sensitivity

Mass	Conc. [ug/L]	Count	CPS	RSD%	RSD% (Required)	RSD% (Flag)
9	10.00	13252	132524.97	0.119	5.000	
24	10.00	54671	546713.78	0.294	5.000	
59	10.00	140007	1400072.23	0.340	5.000	
115	10.00	179654	1796541.00	0.722	5.000	
208	10.00	68076	680761.32	0.485	5.000	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	13263	13230	13242	13261	13267
24	54457	54548	54735	54809	54809
59	140488	139395	139808	140492	139852
115	180754	180794	178465	180191	178066
208	68382	68164	68071	68242	67522

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	23766.49	8.95	8.90 - 9.10	
24	94108.47	23.95	23.90 - 24.10	
59	258707.34	59.00	58.90 - 59.10	
115	355969.52	115.05	114.90 - 115.10	
208	130919.82	208.00	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.59	0.731	0.900	
24	0.61	0.738	0.900	
59	0.56	0.768	0.900	
115	0.53	0.685	0.900	
208	0.54	0.776	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	157.399999999999
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.05 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.9 V	Deflect	13.0 V
Extract 2	-185.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-105 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9992	QP Bias	-3.0 V
Mass Offset	125	Axis Offset	0.01		

Hardware Settings

Torch

Torch H	0.6 mm	Torch V	0.6 mm

EM

Discriminator	3.1 mV	Analog HV	2211 V	Pulse HV	1788 V

[H2]

Sensitivity

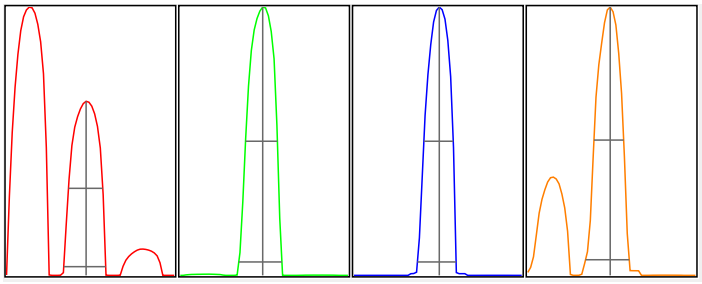
Mass	Conc. [ug/L]	Count	CPS	RSD%	RSD% (Required)	RSD% (Flag)
24	10.00	10163	101633.70	3.362	5.000	
59	10.00	23622	236216.91	3.644	5.000	
115	10.00	237239	2372392.78	4.031	5.000	
208	10.00	99468	994684.10	1.763	5.000	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
24	9713	9959	10193	10362	10590
59	22567	23020	23720	24035	24766
115	225889	229365	238187	244489	248267
208	96996	98914	99212	100649	101570

Integration Time [sec]	0.1

Resolution/Axis

US EPA Tune Check Report



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
24	17728.33	23.95	23.90 - 24.10	
59	43920.11	59.00	58.90 - 59.10	
115	479301.76	115.05	114.90 - 115.10	
208	196423.35	208.00	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
24	0.60	0.738	0.900	
59	0.56	0.759	0.900	
115	0.52	0.681	0.900	
208	0.52	0.769	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	125.92
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.05 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.4 V	Deflect	0.8 V
Extract 2	-200.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-115 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	3.0 V
He Flow	0.0 mL/min	OctP Bias	-18.0 V		
H2 Flow	5.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9992	QP Bias	-15.0 V
Mass Offset	125	Axis Offset	0.01		

Hardware Settings

Torch

Torch H	0.6 mm	Torch V	0.6 mm		

EM

Discriminator	3.1 mV	Analog HV	2211 V	Pulse HV	1788 V

US EPA Tune Check Report

[He]

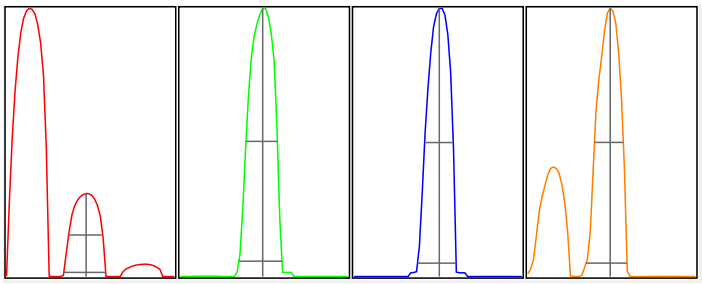
Sensitivity

Mass	Conc. [ug/L]	Count	CPS	RSD%	RSD% (Required)	RSD% (Flag)
24	10.00	4362	43616.56	0.426	5.000	
59	10.00	80568	805676.63	0.662	5.000	
115	10.00	91365	913645.51	0.751	5.000	
208	10.00	44611	446112.82	0.534	5.000	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
24	4377	4377	4370	4338	4346
59	81446	80550	80483	80347	80013
115	92006	91748	90227	91531	91310
208	44629	44718	44264	44909	44536

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
24	7620.73	23.95	23.90 - 24.10	
59	150686.30	59.00	58.90 - 59.10	
115	186763.46	115.05	114.90 - 115.10	
208	92018.12	208.00	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
24	0.60	0.738	0.900	
59	0.55	0.759	0.900	
115	0.50	0.680	0.900	
208	0.51	0.721	0.900	

Integration Time [sec] 0.1
Acquisition Time [sec] 125.92
Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.05 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.2 V	Deflect	-0.6 V

US EPA Tune Check Report

Extract 2	-200.0 V	Cell Entrance	-40 V	Plate Bias	-55 V
Omega Bias	-90 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	3.0 V
He Flow	4.3 mL/min	OctP Bias	-18.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9992	QP Bias	-15.0 V
Mass Offset	125	Axis Offset	0.01		

Hardware Settings

Torch

Torch H	0.6 mm	Torch V	0.6 mm

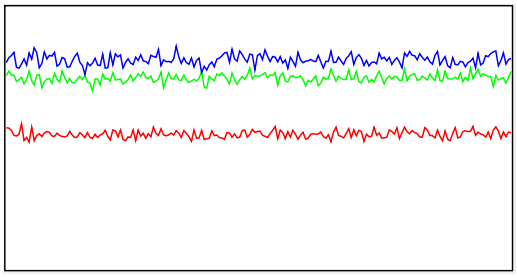
EM

Discriminator	3.1 mV	Analog HV	2211 V	Pulse HV	1788 V

Performance Report

Operator Name	ICPMS
Acq. Date-Time	2/24/2025 08:59:48
Instrument Name	G8422A SG22151236
Sample Introduction	PeriPump
Nebulizer Type	MicroMist
Ion Lens Model	x-Lens
Tune Parameters	Standard Tune

Sensitivity



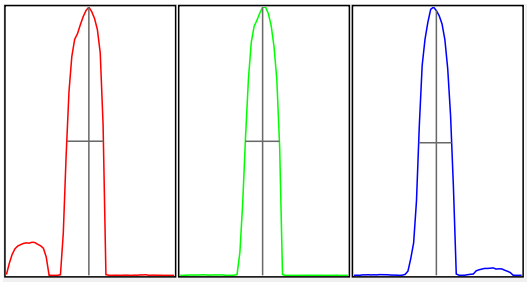
Mass	Range	Count	RSD%	Background
7	5000	2574	2.728	2.400
89	20000	14585	2.123	1.200
205	10000	7989	2.448	5.750

Sampling Period [sec]	0.311
Integration Time [sec]	0.1

Oxide/Doubly Charged Ratio

Oxide	156 / 140 0.948 %
Doubly Charged	70 / 140 1.467 %

Resolution/Axis



Mass	Peak Height	Axis	W-50%	W-10%
7	2579.16	7.00	0.64	0.76
89	14468.43	89.00	0.60	0.74
205	7892.64	205.00	0.58	0.75

Integration Time [sec]	0.1
Acquisition Time [sec]	22.74

Tune Parameters

Plasma Parameters

RF Power	1550 W	Option Gas	---	Makeup Gas	0.00 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Auxiliary Gas	0.90 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C	Plasma Gas	15.0 L/min
Nebulizer Gas	1.05 L/min				

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.4 V	Deflect	13.6 V
Extract 2	-200.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-90 V	Cell Exit	-50 V		

Performance Report

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

QP Bias	-3.0 V

Hardware Settings

Torch

Torch H	0.6 mm	Torch H (Hot)	---	Torch H (Cool)	---
Torch V	0.6 mm	Torch V (Hot)	---	Torch V (Cool)	---

Plasma Correction

Nebulizer Gas Offset	0.00 L/min	Makeup Gas (Hot)	---	Makeup Gas (Cool)	---
		Sample Depth (Hot)	---		

Resolution/Axis

Mass Gain	123	Axis Gain	0.9992		
Mass Offset	125	Axis Offset	0.01		

EM

Discriminator	3.1 mV	Analog HV	2211 V	Pulse HV	1788 V

Performance Report

Meter

Name	Value	Unit
Nebulizer Gas	1.05	L/min
MU./Dil. Gas	0.00	L/min
Plasma Gas	14.98	L/min
Aux Gas	0.90	L/min
Ar Gas Tank Press	5.58E+2	kPa
+5V (Press Gage)	5.0	V
Ar AMFC Temp	27.5	°C
Nebulizer Gas(DP)	5.19E+0	kPa
MU./Dil. Gas(DP)	-2.16E-1	kPa
Aux Gas(DP)	1.06E+1	kPa
Plasma Gas(DP)	1.16E+1	kPa
Nebulizer Gas(BP)	3.24E+2	kPa
MU./Dil. Gas(BP)	0.00E+0	kPa
Aux Gas(BP)	5.93E+1	kPa
Plasma Gas(BP)	4.29E+1	kPa
S/C Temp (H)	21.2	°C
S/C Temp (L)	2.0	°C
Peltier Voltage	3.5	V
IF/BK Press	2.57E+2	Pa
Analyzer Press	5.77E-5	Pa
IG HV	178	V
IG Emission	4.98	µA
TMP Revolution	100.0	%
TMP Rev (Raw)	100.8	%
TMP Current	2.84	A
PWR AMP Drain I	0.4	A
PWR AMP Bias	4.02	V
OctP RF (Avg)	202.8	V
OctP RF Set	3.9	V
OctP FET Bias Set	3.97	V
OctP RF(+)	178.1	V
OctP RF(-)	226.4	V
OctP Bias	-7.9	V
Cell Temp.	65.0	°C
Cell Heater Volt.	4.3	V
+U Voltage	174.3	V

Name	Value	Unit
-U Voltage	-181.0	V
V Voltage	780.4	V
QPRF Fader	0.5	V
Pickup Temp	55.0	°C
PWR Amp Temp	0.1	V
+600V	620.3	V
-120V	-133.0	V
-720V	-741.5	V
Prefilter Bias	-4.93	V
Pickup Heater I	0.09	A
QP PS +48V	47.6	V
QP PS +48V I	0.00	A
Analog HV	-2214	V
Pulse HV	1799	V
EM Gate	-42.2	V
Pulse Gate	387.5	V
EM Entrance	0.2	V
EM HV Gain	-835.8	V
Inner Pole	-300.0	V
Outer Pole	19.9	V
Analog -5V	-5.1	V
Analog +15V	14.5	V
Analog -15V	-14.4	V
Analog +5V	5.2	V
Shunt C Pos	1.5	V
Drain Volt.(max)	60.6	V
RF PS +48V	47.1	V
Forward Power	1550	W
Reflected Power	4	W
Plasma Freq.	27.05	MHz
Drain I 1	11.69	A
Drain I 2	10.56	A
Drain I 3	10.97	A
Drain I 4	11.53	A
Temp Sensor	2.8	V
Driver I	6.04	A

Name	Value	Unit
Igniter	0.1	V
Driver Voltage Set	6.9	V
Unbalance Current	0.34	A
PWM Threshold Set	0.2	V
Driver Voltage	5.6	V
PWM Threshold	0.2	V
Phase Detector	2.0	mV
H2 Gas	0.00	mL/min
He Gas	0.11	mL/min
H2 Gas Press	1.69E+2	kPa
He Gas Press	0.00E+0	kPa
ORS AMFC Temp	28.8	°C
Atmospheric Press	1.01E+2	kPa
Extract 1	0.0	V
Extract 2	-199.9	V
Omega Bias	-89.9	V
Omega Lens	9.5	V
Cell Entrance	-30.0	V
Cell Exit	-50.0	V
Deflect	13.7	V
Plate Bias	-35.0	V
HV+530V	530	V
HV+240V	238	V
HV-360V	-360	V
Inlet Temp	24.9	°C
Internal Temp	32.2	°C
+24V	23.7	V
Water Temp	22.6	°C
Water RF/WC/IF	1.48	L/min
AVS Pump Speed	0.0	%
Valve Position		
Tune/ISTD Valve		

Performance Report History

Sensitivity

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
2/24/2025 08:59:48	2574	14585	7989
2/21/2025 09:28:39	3370	14882	7104
2/21/2025 09:20:37	3168	14132	5587
2/20/2025 12:51:01	3707	16019	7670
2/20/2025 09:19:24	2397	8615	8442
2/19/2025 09:22:52	2429	8457	8477
2/19/2025 09:04:54	1905	6435	6230
2/18/2025 09:15:33	2891	10659	10823
2/17/2025 09:55:54	2831	9719	9101
2/14/2025 09:06:42	2957	11480	11195
2/13/2025 09:06:19	3173	11579	10776
2/12/2025 09:11:47	2839	10719	10356
2/11/2025 09:24:44	3245	11165	9838
2/10/2025 09:25:20	2663	9070	8305
2/7/2025 09:21:57	2808	9379	7942
2/6/2025 13:15:34	3185	11388	7991
2/6/2025 09:18:48	2835	10422	7999
2/5/2025 10:18:25	2957	9726	6871
2/5/2025 09:31:26	3115	11951	8942
2/4/2025 09:10:01	3834	13795	10479
2/3/2025 10:57:55	3472	11525	11024
2/3/2025 09:46:21	3702	12486	12677
1/31/2025 13:24:01	3352	12178	10716
1/31/2025 12:15:33	2777	10133	6940
1/31/2025 11:41:22	2418	10017	7203
1/31/2025 11:25:27	1893	8284	5243
1/31/2025 10:55:25	2824	9569	5641
1/31/2025 08:50:57	3593	13352	9584
1/30/2025 09:05:36	3151	12437	9046
1/30/2025 08:35:38	1729	6076	4157
1/30/2025 08:04:37	1740	5479	3642
1/29/2025 10:06:45	3695	12409	8334
1/28/2025 09:55:51	3425	11819	7457
1/27/2025 08:25:00	3174	14160	11025
1/24/2025 10:20:31	3093	11428	8349
1/23/2025 08:29:42	3414	12719	11830
1/22/2025 08:50:52	3711	14077	11285
1/21/2025 08:39:26	3861	14387	10646
1/20/2025 09:29:22	4249	15439	12508
1/17/2025 09:22:21	3835	13197	11299
1/16/2025 09:06:18	4139	13519	11200

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/15/2025 10:11:23	3341	11320	10843
1/14/2025 08:44:58	2790	11557	10104
1/13/2025 08:22:52	3002	11793	9856
1/10/2025 08:58:48	2349	9875	9292
1/9/2025 08:55:30	2441	8391	7143
1/8/2025 11:02:55	2103	8566	6967
1/7/2025 08:57:51	3520	11717	11043
1/6/2025 09:05:42	3711	12625	11361
1/3/2025 08:51:46	4213	13349	11205
1/2/2025 09:10:35	3518	11719	10360
12/31/2024 08:51:35	4294	14290	11717
12/30/2024 08:28:40	3844	13259	12067
12/27/2024 08:18:16	2203	8152	7504
12/26/2024 08:44:40	2305	8074	7548
12/23/2024 08:06:00	2896	11248	10056
12/20/2024 08:54:14	2708	10979	10317
12/19/2024 09:15:38	2891	11587	9938
12/18/2024 13:25:48	2814	12318	10968
12/18/2024 09:44:44	2926	11559	9971
12/17/2024 18:43:32	2387	9657	7920
12/17/2024 09:21:23	3788	13104	11548
12/16/2024 09:07:17	3574	12722	12350
12/13/2024 09:34:40	3687	12653	12379
12/12/2024 10:16:55	3332	10093	9300
12/11/2024 08:42:50	3508	11162	9190
12/10/2024 08:46:49	3008	9295	7961
12/9/2024 13:01:13	3955	12706	11839
12/9/2024 10:36:11	3607	12063	11349
12/9/2024 10:28:15	3636	12275	11714
12/9/2024 10:22:08	3652	12377	11936
12/6/2024 08:11:53	2474	9473	7590
12/5/2024 07:45:15	2602	9113	7346
12/4/2024 08:35:28	2839	9667	7564
12/3/2024 09:38:46	3015	11193	9379
12/3/2024 09:10:25	2907	9157	7638
12/2/2024 09:48:14	2604	11442	9841
11/27/2024 09:18:02	3476	12162	11898
11/27/2024 08:40:33	3385	11944	12062
11/26/2024 07:52:41	3744	12035	11820
11/25/2024 10:52:38	3880	13207	12363
11/25/2024 08:43:09	2919	8152	7210

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/25/2024 08:31:48	2322	6799	6373
11/22/2024 06:29:21	4341	13631	11908
11/21/2024 10:07:26	4232	13850	11980
11/21/2024 09:58:26	4337	13867	11641
11/21/2024 09:53:21	4336	13943	11865
11/20/2024 08:50:13	3327	11963	9773
11/19/2024 09:07:39	2881	12066	10310
11/18/2024 09:11:09	3258	12805	10761
11/15/2024 09:02:37	2693	8707	6754
11/14/2024 09:56:47	3179	12036	10196
11/14/2024 09:44:41	2030	6528	5373
11/14/2024 09:39:59	2088	6876	5431
11/14/2024 09:21:41	2135	6090	4966
11/14/2024 09:16:53	2193	6427	5066
11/13/2024 10:17:19	2967	12322	10924
11/12/2024 08:42:23	2896	10156	8865
11/12/2024 08:34:20	2091	6271	5013
11/11/2024 09:46:29	2704	9103	8129
11/11/2024 09:31:26	1451	4130	3151
11/11/2024 09:09:19	1556	4381	3353
11/8/2024 09:40:41	3878	12850	11278
11/7/2024 12:08:43	2848	10226	8292
11/7/2024 12:03:35	2627	8637	6728
11/7/2024 11:08:15	3976	13810	11381
11/7/2024 10:32:04	3532	13174	11182
11/7/2024 10:13:44	3716	11909	8198
11/7/2024 09:49:05	3693	13084	12786
11/6/2024 08:55:41	3378	15088	11319
11/5/2024 09:02:15	3773	15490	10953
11/4/2024 09:59:50	3402	15159	11216
11/4/2024 09:42:34	1057	3669	2186
11/4/2024 09:13:54	2351	8941	5502
11/1/2024 08:59:46	3717	16612	11556
10/31/2024 09:14:27	3337	15432	11693
10/30/2024 16:33:14	3797	17300	11789
10/30/2024 11:25:36	3655	14542	11817
10/30/2024 10:54:46	2413	7307	5091
10/30/2024 09:09:15	2981	9609	6862
10/29/2024 11:26:39	3194	11766	9190
10/29/2024 10:54:54	3026	11294	9461
10/29/2024 09:36:05	2893	8670	6437

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
10/29/2024 09:04:30	2784	8761	6754
10/28/2024 12:26:28	3435	10521	7399
10/28/2024 09:57:52	3258	12158	9024
10/25/2024 13:22:08	3268	11240	9552
10/25/2024 13:09:08	2630	7875	5867
10/25/2024 10:35:56	3217	10194	8481
10/25/2024 09:26:45	2628	9694	7739
10/25/2024 09:03:40	2688	8459	5359
10/24/2024 17:10:08	3080	10118	10097
10/24/2024 11:19:48	3870	14779	11560
10/24/2024 08:53:34	4135	16022	12555
10/23/2024 08:59:04	4087	16614	13183
10/22/2024 09:55:36	3983	15001	13012
10/21/2024 09:31:04	4538	15014	12821
10/18/2024 09:37:11	4383	14724	11994
10/17/2024 09:00:58	3900	14698	13119
10/16/2024 11:21:27	4189	14816	12534
10/16/2024 09:02:59	3438	10582	8196
10/15/2024 10:12:35	3435	10846	9239
10/14/2024 08:46:09	3541	15986	12186
10/11/2024 08:49:47	3690	15862	11666
10/10/2024 08:52:01	3700	15402	11824
10/9/2024 08:27:16	3626	15774	12277
10/8/2024 10:52:55	2362	10542	7908
10/8/2024 09:47:42	3911	15304	12906
10/7/2024 10:47:10	3992	14955	12794
10/7/2024 09:10:56	3382	13538	12792
10/7/2024 08:55:15	2656	8709	7524
10/4/2024 09:16:15	3872	14221	12466
10/3/2024 09:27:44	3365	12368	10800
10/3/2024 08:49:43	2982	10090	8450
10/3/2024 08:29:02	2995	10810	8612
10/2/2024 11:08:13	3324	11671	10170
10/2/2024 08:39:41	3353	10241	7732
10/1/2024 10:14:04	3370	11872	10693
9/30/2024 08:49:31	3503	14869	12082
9/27/2024 08:14:47	4409	16282	11577
9/26/2024 08:09:12	3884	15616	12097
9/25/2024 09:11:08	3580	16691	12938
9/24/2024 09:35:48	4222	16263	13022
9/23/2024 09:00:30	3708	15742	12736

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
9/20/2024 09:05:28	3987	15551	12694
9/19/2024 09:00:53	4313	16809	12564
9/18/2024 11:34:33	4095	14853	12453
9/18/2024 09:06:37	4445	16590	12240
9/17/2024 12:16:40	4163	14965	13304
9/17/2024 10:09:01	4176	14949	13142
9/16/2024 09:06:13	3051	12572	8977
9/13/2024 16:50:14	4283	16184	11408
9/13/2024 08:54:29	4066	17163	12371
9/12/2024 08:56:53	4002	16732	12377
9/11/2024 09:06:29	2910	10224	6989
9/10/2024 09:46:13	3531	13275	10400
9/9/2024 08:47:13	3100	13781	11716
9/9/2024 08:34:46	2186	7930	5968
9/6/2024 08:58:38	3296	13115	10876
9/5/2024 08:40:15	3699	13907	11131
9/4/2024 08:38:45	3411	15290	10844
9/3/2024 12:05:58	3899	14950	9780
9/3/2024 11:05:58	4188	14542	9410
9/3/2024 08:41:14	4155	14456	9772
8/30/2024 08:41:51	4377	15431	12571
8/29/2024 17:44:51	3896	15116	12679
8/29/2024 10:01:21	3933	13845	12605
8/28/2024 08:40:35	3730	15164	11267
8/27/2024 08:32:46	3843	16710	10929
8/26/2024 10:42:47	3976	12882	10259
8/23/2024 09:05:16	3432	12892	9568
8/22/2024 08:43:54	3662	14009	10981
8/21/2024 08:04:13	3190	14776	11594
8/20/2024 09:20:37	4220	16080	10288
8/19/2024 10:25:21	3050	10181	8067
8/19/2024 09:17:03	3195	9903	8321
8/16/2024 08:56:38	3253	15296	12175
8/15/2024 08:28:01	3146	14138	12111
8/14/2024 08:24:41	3158	13973	11673
8/13/2024 08:51:41	3023	15070	13056
8/12/2024 09:10:43	3411	12432	11805
8/12/2024 08:57:52	1786	5237	5122
8/9/2024 11:39:50	3767	15758	13022
8/9/2024 10:08:20	12	1	3
8/8/2024 08:40:39	3024	12546	9719

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/7/2024 09:19:16	2917	12165	9488
8/6/2024 11:12:44	2859	11998	10016
8/6/2024 10:53:38	2232	10655	9558
8/5/2024 10:40:17	2691	10635	9226
8/5/2024 10:09:19	2125	6835	5664
8/5/2024 09:55:23	2365	7939	6556
8/2/2024 09:40:16	3340	11024	9295
8/2/2024 08:37:48	3505	10692	8586
8/1/2024 10:38:00	3758	12250	9330
8/1/2024 09:06:45	3389	10556	9761
7/31/2024 08:13:58	3039	11937	9529
7/30/2024 08:50:51	2533	10165	9332
7/29/2024 16:06:05	3222	12529	9934
7/29/2024 12:07:28	3037	11992	10136
7/29/2024 11:14:31	3174	12095	10013
7/29/2024 10:15:21	2846	11965	10483
7/26/2024 08:53:52	3203	12639	10549
7/25/2024 09:09:23	2585	8526	8080
7/24/2024 15:10:09	3079	9987	9009
7/24/2024 08:46:25	3148	11490	9796
7/23/2024 09:32:54	3357	11492	9580
7/22/2024 10:18:30	3442	12004	11023
7/19/2024 08:55:06	3486	11885	10185
7/18/2024 09:06:31	3257	9447	8888
7/17/2024 13:03:52	2495	9473	8373
7/17/2024 08:53:29	2867	10755	8619
7/16/2024 08:54:03	2886	10903	8985
7/15/2024 10:39:29	2656	10995	8921
7/15/2024 10:30:38	103	5	6
7/15/2024 10:13:57	1404	5260	4224
7/15/2024 09:02:48	3268	12919	10156
7/12/2024 08:34:22	2706	11570	8940
7/11/2024 09:57:22	2727	11970	8459
7/10/2024 08:53:17	2246	9073	7312
7/9/2024 11:54:06	3038	12303	9808
7/9/2024 11:32:31	2139	7705	5834
7/9/2024 11:26:38	2090	7758	5904
7/9/2024 10:39:16	3437	12816	9591
7/9/2024 09:17:46	2577	11478	8879
7/9/2024 08:57:06	3286	13034	8974
7/8/2024 09:21:55	3166	12745	9642

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
7/8/2024 09:16:31	3066	12665	9668
7/5/2024 09:03:10	3288	13628	11266
7/3/2024 13:05:52	3539	13046	10137
7/3/2024 11:25:40	3213	12344	9957
7/3/2024 09:13:37	3169	12570	10423
7/3/2024 08:44:49	2051	12221	9873
7/2/2024 10:26:17	2328	11750	10360
7/2/2024 08:58:12	3072	10344	9707
7/1/2024 14:16:19	3282	10802	9231
7/1/2024 10:01:10	3288	12796	10476
6/28/2024 08:25:22	3484	12596	10301
6/27/2024 08:34:14	3474	12721	10120
6/27/2024 08:11:22	1666	11338	9258
6/26/2024 07:54:24	2501	8288	8428
6/25/2024 09:02:17	2627	12790	10975
6/24/2024 09:30:27	2976	12050	10056
6/21/2024 08:55:34	3096	13175	9957
6/21/2024 08:22:44	1280	11401	9041
6/20/2024 09:00:43	2564	9588	8694
6/19/2024 07:51:31	2980	11922	9704
6/18/2024 07:52:20	3296	11922	9824
6/17/2024 08:58:45	3009	9463	9003
6/14/2024 08:44:27	2879	12214	10357
6/13/2024 08:42:30	3176	12682	10526
6/12/2024 09:03:47	2996	12633	11312
6/11/2024 08:44:40	3492	13252	10118
6/10/2024 09:31:51	4111	13060	10421
6/10/2024 09:17:04	3508	11070	8441
6/10/2024 09:10:07	3930	12555	9564
6/7/2024 09:02:38	3417	11597	7618
6/6/2024 15:20:20	2950	9649	8247
6/6/2024 05:03:01	3480	13184	11025
6/6/2024 04:59:28	3438	13257	11014
6/5/2024 08:30:26	3575	12412	10789
6/4/2024 08:52:51	3401	12310	11419
6/4/2024 08:39:35	2814	11768	10904
6/4/2024 08:33:37	3060	12687	11246
6/3/2024 10:10:17	3272	10175	10494
6/3/2024 09:51:43	1907	6599	4712
6/3/2024 09:44:54	2209	7627	5199
6/3/2024 09:30:49	3299	9738	9247

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
5/31/2024 08:42:32	3301	13328	10713
5/30/2024 09:08:46	3406	13401	10419
5/29/2024 09:04:40	3587	13162	10590
5/29/2024 08:48:40	1739	11664	8844
5/29/2024 08:44:08	1858	12854	9297
5/28/2024 09:34:37	3138	12513	10682
5/24/2024 07:20:01	3325	12857	11044
5/23/2024 10:25:13	3407	12821	11140
5/22/2024 09:45:06	3583	12763	11601
5/21/2024 09:06:58	3752	13803	11837
5/21/2024 08:01:17	3966	14413	11053
5/20/2024 17:22:27	3645	10846	9662
5/20/2024 17:18:56	3613	10801	9645
5/20/2024 09:20:56	3333	12566	10681
5/17/2024 09:12:39	3467	13701	10660
5/16/2024 08:56:23	3599	13565	10699
5/15/2024 09:38:13	3581	13159	10227
5/15/2024 09:21:01	1917	11948	9850
5/14/2024 09:41:16	3346	12368	10966
5/14/2024 09:04:40	3206	11414	12297
5/13/2024 09:04:44	2639	15138	12300
5/10/2024 08:57:17	2178	13865	10279
5/9/2024 09:06:46	2313	13292	10727
5/9/2024 08:50:21	1763	12142	9522
5/9/2024 08:44:20	1789	12171	9682
5/8/2024 09:39:10	3313	11092	11044
5/7/2024 17:05:39	3463	13115	10886
5/7/2024 16:48:43	3264	12073	10628
5/7/2024 09:19:24	3347	12706	11167
5/6/2024 09:15:59	3892	14499	12724
5/6/2024 09:03:10	3843	14665	13481
5/3/2024 09:11:06	3540	13100	11548
5/2/2024 09:48:24	3670	12233	11836
5/1/2024 09:22:54	4036	13686	11251
4/30/2024 10:43:56	4361	13605	11359
4/30/2024 08:17:01	4350	13793	11664
4/29/2024 09:10:57	4751	14089	11140
4/29/2024 08:57:45	3329	9292	6892
4/26/2024 08:09:31	5054	14978	10788
4/25/2024 09:37:51	4308	13902	11794
4/24/2024 09:17:24	4876	17662	12102

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
4/23/2024 22:46:11	4199	16180	12059
4/23/2024 09:01:59	3715	15592	11876
4/22/2024 10:16:34	4292	15978	13578
4/19/2024 10:59:00	3974	16385	11540
4/19/2024 10:07:48	2645	8439	3189
4/19/2024 09:10:32	360162	657303	2022720
4/18/2024 09:24:23	3369	17060	12485
4/17/2024 17:03:53	2828	16000	10229
4/17/2024 16:22:27	2262	14213	9009
4/17/2024 09:09:54	3608	12353	11595
4/16/2024 09:06:44	4046	14969	11814
4/15/2024 09:14:49	4139	16052	12083
4/12/2024 08:28:21	4666	17208	13280
4/11/2024 08:35:01	4138	17113	13613
4/10/2024 09:48:58	4018	16844	14484
4/9/2024 08:56:49	3881	15432	13181
4/8/2024 09:25:48	4035	16790	14224
4/5/2024 08:28:47	3893	17251	13416
4/4/2024 11:00:01	2778	10338	7494
4/4/2024 10:45:12	4028	16465	14158
4/3/2024 08:29:42	3630	16640	12452
4/2/2024 09:43:44	3046	17903	13815
4/1/2024 09:27:15	3194	17804	13701
3/29/2024 08:53:28	2520	17006	12384
3/28/2024 09:08:20	2920	17324	12995
3/27/2024 16:48:32	3382	17176	12605
3/27/2024 10:07:18	3661	16126	12723
3/27/2024 08:49:30	3929	17060	12992
3/26/2024 10:28:06	4590	16054	14855
3/25/2024 10:10:30	4003	18464	13973
3/22/2024 09:00:45	2984	17875	12893
3/21/2024 08:44:31	3167	17829	13067
3/20/2024 09:03:42	3080	17089	12389
3/19/2024 13:23:15	3786	17505	12877
3/19/2024 09:31:32	3279	17943	12421
3/18/2024 10:47:35	4608	16508	13822
3/15/2024 09:19:25	2446	16491	10868
3/14/2024 09:13:05	2441	16585	10800
3/13/2024 09:22:30	2903	16825	11325
3/12/2024 09:10:39	2653	17105	11709
3/11/2024 11:07:32	4200	16181	13057

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
3/11/2024 09:31:05	4293	17257	11986
3/11/2024 09:27:33	4322	17396	12106
3/8/2024 08:29:13	4145	16244	11704
3/7/2024 17:46:09	4185	15148	11811
3/7/2024 13:19:13	4029	15848	11265
3/7/2024 09:28:32	3605	13491	9204
3/7/2024 09:11:32	2580	13526	10298
3/7/2024 09:01:08	2698	13846	10718
3/6/2024 10:19:40	3208	14488	10724
3/5/2024 10:15:16	273	1743	2387
3/5/2024 10:09:01	146	892	1334
3/4/2024 11:41:00	4063	15365	11233
3/4/2024 11:28:21	1954	9059	5433
3/1/2024 08:43:28	2996	15512	8966
2/29/2024 10:38:23	4306	15354	11334
2/29/2024 10:00:25	554	3889	4359
2/29/2024 09:54:15	506	3359	3784
2/28/2024 09:32:01	3061	18229	13084
2/27/2024 09:16:47	2827	17549	11855
2/26/2024 10:30:35	3971	16379	11179
2/26/2024 10:00:21	1827	10055	6679
2/23/2024 09:07:38	3382	16511	11230
2/22/2024 08:58:48	3065	15604	10264
2/21/2024 09:51:13	3455	16190	11543
2/20/2024 09:59:52	3253	15976	11176
2/19/2024 11:30:32	4894	17240	13782
2/19/2024 11:27:00	4856	17120	13743
2/19/2024 10:16:07	4289	15395	10107
2/16/2024 10:28:26	3613	15969	9007
2/15/2024 09:20:58	4185	16564	9371
2/14/2024 09:20:12	4712	16825	9695
2/13/2024 10:44:41	4401	16379	9098
2/13/2024 10:29:18	758	13401	11559
2/12/2024 11:24:46	2301	15124	11918
2/12/2024 11:09:08	53	2239	4028
2/12/2024 10:33:45	42	1954	3702
2/12/2024 10:19:52	438	2663	2740
2/12/2024 10:03:02	137	541	1027
2/9/2024 09:43:26	2475	17092	10562
2/8/2024 09:41:08	2739	17007	11011
2/7/2024 09:08:34	2949	17251	11332

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
2/6/2024 10:08:14	3266	17222	10352
2/5/2024 16:27:35	2590	11801	7811
2/2/2024 09:52:22	4247	15989	11850
2/1/2024 09:29:20	4221	15873	11923
1/31/2024 11:01:25	4619	16449	12370
1/31/2024 10:56:52	2140	7715	5751
1/30/2024 09:04:33	4439	15663	11799
1/29/2024 09:09:33	3916	13763	12278
1/26/2024 10:08:59	3557	15191	9410
1/25/2024 09:54:25	3735	15427	9753
1/24/2024 08:52:40	3752	15257	10201
1/23/2024 11:08:41	3473	15039	10359
1/22/2024 09:17:23	4075	16149	10348
1/22/2024 09:06:26	2984	12293	7869
1/19/2024 09:01:45	3434	14536	9100
1/18/2024 10:29:20	3342	14635	9148
1/17/2024 08:52:45	3752	15881	10390
1/16/2024 14:09:54	4332	14365	9878
1/16/2024 13:58:35	1849	8752	5553
1/16/2024 13:45:11	1759	8747	5733
1/15/2024 13:03:28	344	1843	2376
1/15/2024 10:46:25	310	1953	2595
1/15/2024 10:34:05	355	1945	2594
1/15/2024 10:25:28	354	1906	2502
1/15/2024 09:48:32	378	1867	2261
1/15/2024 09:32:45	371	1842	2272
1/11/2024 14:10:39	440	1388	1671
1/11/2024 14:00:32	442	1331	1629
1/11/2024 13:07:14	441	1073	1309
1/11/2024 12:18:32	442	1296	1595
1/11/2024 10:36:51	468	1469	1987
1/11/2024 10:28:26	430	1428	1696
1/11/2024 09:11:58	387	1869	2263
1/11/2024 09:02:27	313	1592	1975
1/11/2024 08:54:00	310	1559	1944
1/10/2024 09:10:40	3490	14986	10982
1/9/2024 12:58:05	4349	14607	8180
1/9/2024 12:49:35	715	10779	7642
1/9/2024 12:37:33	8	1202	6143
1/9/2024 12:22:55	8	1215	6181
1/9/2024 12:00:03	8	1341	6546

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/9/2024 11:54:42	9	1280	6372
1/9/2024 11:45:17	9	1382	6594
1/9/2024 11:40:53	10	1397	6617
1/9/2024 11:25:08	362	1545	1665
1/9/2024 11:20:04	363	1540	1650
1/8/2024 13:49:37	3408	10281	9523
1/8/2024 12:34:48	1155	5021	6450
1/8/2024 12:30:18	1191	5187	6341
1/5/2024 09:35:49	3668	12692	8070
1/4/2024 09:13:21	3867	12894	6927
1/4/2024 09:00:57	603	1935	1257
1/3/2024 08:46:17	3809	12778	9107
1/2/2024 11:16:48	3519	12397	9390
1/2/2024 10:38:17	3814	12293	8842
12/29/2023 10:12:49	4013	12649	8816
12/28/2023 08:59:35	3766	13387	9586
12/27/2023 12:20:02	3809	12937	8800
12/27/2023 11:34:32	40	9	2
12/27/2023 10:51:04	55	31	2
12/27/2023 10:41:08	72	37	8
12/27/2023 10:33:50	3879	13288	8945
12/27/2023 10:28:28	3772	13183	8580
12/22/2023 07:49:52	3943	11892	9924
12/21/2023 08:44:43	3526	13027	9943
12/20/2023 09:26:41	4003	13172	10074
12/19/2023 09:55:37	4333	13694	10285
12/18/2023 10:16:18	4138	13763	10818
12/18/2023 10:06:38	3415	13014	10962
12/18/2023 10:00:26	3894	14384	11204
12/15/2023 09:45:55	3734	14030	9513
12/14/2023 10:23:15	3524	14113	9600
12/13/2023 10:17:40	3829	13996	9570
12/12/2023 09:56:00	3555	14240	9677
12/11/2023 10:31:48	3701	14394	9382
12/8/2023 10:10:39	3664	14293	8929
12/7/2023 09:51:50	3426	13353	8809
12/6/2023 10:12:37	3698	14579	8824
12/5/2023 10:02:14	3349	13427	9922
12/4/2023 12:08:53	3427	12418	10340
12/4/2023 11:24:17	1768	7808	8292
12/4/2023 11:20:06	1802	8001	8316

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/4/2023 11:16:06	1832	8106	8250
12/4/2023 10:23:39	1770	7816	7735
12/4/2023 10:16:55	1601	7275	7827
12/4/2023 10:09:27	1944	8113	7456
12/1/2023 09:45:19	2113	9054	8466
11/30/2023 11:48:17	2317	9995	8851
11/30/2023 11:13:01	1727	8309	9089
11/30/2023 11:05:44	1721	8023	8748
11/30/2023 10:33:46	1172	5927	8124
11/29/2023 10:04:26	2359	11870	8365
11/29/2023 09:51:22	1483	5693	3444
11/28/2023 12:50:37	3146	12531	8324
11/28/2023 12:18:55	2789	8914	4789
11/28/2023 12:15:04	3346	10726	5995
11/28/2023 11:49:24	2609	8496	4878
11/28/2023 10:22:53	1529	5718	4738
11/28/2023 10:19:03	1663	6180	5204
11/28/2023 10:15:20	1784	6623	5657
11/28/2023 09:59:37	1436	6174	5639
11/27/2023 10:28:48	2148	9665	8835
11/27/2023 10:07:16	1451	7618	8440
11/27/2023 10:01:25	1454	7648	8543
11/27/2023 09:52:06	1636	8794	9323
11/22/2023 09:50:47	2317	9749	8520
11/21/2023 09:52:05	2348	10189	9398
11/20/2023 09:38:08	2536	10392	9162
11/17/2023 10:07:38	2699	10664	9285
11/16/2023 09:42:56	2615	11519	10404
11/15/2023 13:01:45	2120	9780	10146
11/15/2023 12:33:52	1814	8334	9391
11/15/2023 12:27:35	1837	8353	9462
11/15/2023 12:17:35	1829	8310	9392
11/15/2023 12:09:42	1631	7760	9062
11/15/2023 10:39:09	1634	7521	8758
11/14/2023 10:25:03	4165	15167	8009
11/13/2023 09:42:07	3445	15971	9795
11/10/2023 09:15:37	3300	14607	7635
11/9/2023 09:55:52	2651	15369	8099
11/8/2023 09:55:56	2862	15545	7990
11/7/2023 10:07:52	2359	13776	7205
11/7/2023 10:01:12	1759	11245	6289

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/7/2023 09:55:11	1931	12236	6442
11/6/2023 10:21:52	3645	16323	7638
11/3/2023 09:44:39	2391	13805	7745
11/2/2023 09:56:11	2999	15000	8628
11/1/2023 09:41:33	3299	14766	7935

Background

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
2/24/2025 08:59:48	2.400	1.200	5.750
2/21/2025 09:28:39	2.750	1.900	8.650
2/21/2025 09:20:37	2.350	1.750	7.550
2/20/2025 12:51:01	3.250	1.300	7.300
2/20/2025 09:19:24	0.800	0.450	1.900
2/19/2025 09:22:52	0.800	0.350	1.850
2/19/2025 09:04:54	0.300	0.700	1.700
2/18/2025 09:15:33	0.750	0.750	2.600
2/17/2025 09:55:54	0.900	0.650	2.150
2/14/2025 09:06:42	0.900	0.350	2.400
2/13/2025 09:06:19	0.550	0.600	1.950
2/12/2025 09:11:47	0.900	0.550	1.650
2/11/2025 09:24:44	1.100	0.250	2.350
2/10/2025 09:25:20	0.950	0.550	2.000
2/7/2025 09:21:57	0.750	0.550	2.850
2/6/2025 13:15:34	1.150	0.600	3.850
2/6/2025 09:18:48	1.000	0.900	2.900
2/5/2025 10:18:25	1.000	0.450	3.950
2/5/2025 09:31:26	1.100	0.600	3.600
2/4/2025 09:10:01	1.300	0.800	2.850
2/3/2025 10:57:55	0.850	0.600	3.750
2/3/2025 09:46:21	0.600	0.300	2.800
1/31/2025 13:24:01	0.850	0.650	2.650
1/31/2025 12:15:33	2.900	1.450	11.050
1/31/2025 11:41:22	2.250	2.500	9.200

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/31/2025 11:25:27	1.900	1.400	7.950
1/31/2025 10:55:25	1.800	0.950	7.050
1/31/2025 08:50:57	1.850	1.750	7.150
1/30/2025 09:05:36	2.350	1.300	8.900
1/30/2025 08:35:38	2.400	1.850	9.450
1/30/2025 08:04:37	2.500	1.600	9.200
1/29/2025 10:06:45	1.650	1.350	8.300
1/28/2025 09:55:51	2.500	2.000	9.100
1/27/2025 08:25:00	2.150	1.450	8.050
1/24/2025 10:20:31	1.900	1.750	7.750
1/23/2025 08:29:42	0.600	0.600	2.050
1/22/2025 08:50:52	0.300	0.450	2.450
1/21/2025 08:39:26	1.000	0.900	2.950
1/20/2025 09:29:22	1.100	0.700	2.200
1/17/2025 09:22:21	0.700	0.300	2.250
1/16/2025 09:06:18	0.650	0.350	2.900
1/15/2025 10:11:23	0.700	0.850	2.450
1/14/2025 08:44:58	1.250	1.100	6.450
1/13/2025 08:22:52	1.600	0.900	5.100
1/10/2025 08:58:48	1.550	1.100	5.750
1/9/2025 08:55:30	2.000	1.550	6.700
1/8/2025 11:02:55	1.350	1.200	6.900
1/7/2025 08:57:51	1.050	0.300	2.200
1/6/2025 09:05:42	0.850	0.450	2.650
1/3/2025 08:51:46	0.700	0.450	3.150
1/2/2025 09:10:35	0.750	0.650	2.000
12/31/2024 08:51:35	0.900	0.550	3.100
12/30/2024 08:28:40	0.850	0.850	2.350
12/27/2024 08:18:16	1.550	0.500	5.050
12/26/2024 08:44:40	1.350	0.900	5.000
12/23/2024 08:06:00	1.550	0.850	5.600
12/20/2024 08:54:14	1.900	0.900	6.150
12/19/2024 09:15:38	1.900	1.150	5.650
12/18/2024 13:25:48	1.850	1.450	5.550
12/18/2024 09:44:44	1.750	0.950	6.050
12/17/2024 18:43:32	1.300	0.550	2.950
12/17/2024 09:21:23	0.800	0.700	2.550
12/16/2024 09:07:17	0.450	0.850	1.750
12/13/2024 09:34:40	0.700	0.800	2.150
12/12/2024 10:16:55	0.800	0.600	2.250
12/11/2024 08:42:50	0.700	0.600	2.700

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/10/2024 08:46:49	1.100	0.400	2.950
12/9/2024 13:01:13	0.900	0.900	2.500
12/9/2024 10:36:11	0.900	0.550	2.800
12/9/2024 10:28:15	0.700	0.750	2.800
12/9/2024 10:22:08	0.800	0.600	2.100
12/6/2024 08:11:53	1.550	1.100	8.600
12/5/2024 07:45:15	1.350	1.450	8.100
12/4/2024 08:35:28	1.200	1.550	7.650
12/3/2024 09:38:46	1.300	1.300	6.550
12/3/2024 09:10:25	1.250	1.100	6.750
12/2/2024 09:48:14	1.300	1.150	6.650
11/27/2024 09:18:02	0.600	0.700	1.800
11/27/2024 08:40:33	0.650	0.750	1.300
11/26/2024 07:52:41	0.950	0.600	2.100
11/25/2024 10:52:38	0.900	0.550	2.350
11/25/2024 08:43:09	0.850	0.800	2.050
11/25/2024 08:31:48	1.000	0.650	2.100
11/22/2024 06:29:21	0.600	1.050	2.500
11/21/2024 10:07:26	0.750	1.000	2.700
11/21/2024 09:58:26	1.300	0.650	3.050
11/21/2024 09:53:21	0.800	0.750	3.100
11/20/2024 08:50:13	6.000	3.700	8.600
11/19/2024 09:07:39	1.550	1.400	6.450
11/18/2024 09:11:09	1.150	1.600	7.350
11/15/2024 09:02:37	1.200	1.150	7.050
11/14/2024 09:56:47	2.100	1.400	7.500
11/14/2024 09:44:41	1.750	0.850	5.250
11/14/2024 09:39:59	2.150	1.550	9.400
11/14/2024 09:21:41	2.250	1.500	6.150
11/14/2024 09:16:53	1.850	0.900	7.400
11/13/2024 10:17:19	1.650	1.000	4.650
11/12/2024 08:42:23	1.200	0.650	2.500
11/12/2024 08:34:20	1.150	0.650	3.300
11/11/2024 09:46:29	1.350	0.500	3.400
11/11/2024 09:31:26	1.150	0.800	3.850
11/11/2024 09:09:19	1.750	0.450	4.300
11/8/2024 09:40:41	0.950	0.650	3.650
11/7/2024 12:08:43	2.450	1.450	5.650
11/7/2024 12:03:35	1.900	1.200	5.500
11/7/2024 11:08:15	1.350	0.700	2.850
11/7/2024 10:32:04	1.350	0.450	2.700

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/7/2024 10:13:44	0.850	0.700	3.500
11/7/2024 09:49:05	0.900	0.650	2.650
11/6/2024 08:55:41	1.800	1.300	6.000
11/5/2024 09:02:15	1.950	1.250	6.400
11/4/2024 09:59:50	1.750	1.100	6.350
11/4/2024 09:42:34	3.000	1.750	8.800
11/4/2024 09:13:54	3.050	0.950	6.700
11/1/2024 08:59:46	1.600	1.100	5.200
10/31/2024 09:14:27	1.500	1.200	4.850
10/30/2024 16:33:14	2.550	1.200	7.450
10/30/2024 11:25:36	1.400	1.250	4.700
10/30/2024 10:54:46	1.250	1.300	6.450
10/30/2024 09:09:15	0.650	0.700	4.050
10/29/2024 11:26:39	0.800	0.900	3.200
10/29/2024 10:54:54	1.000	0.950	3.600
10/29/2024 09:36:05	1.650	0.900	4.150
10/29/2024 09:04:30	1.000	0.450	4.500
10/28/2024 12:26:28	1.200	0.950	5.100
10/28/2024 09:57:52	1.200	0.800	4.350
10/25/2024 13:22:08	0.500	0.500	2.800
10/25/2024 13:09:08	0.850	1.050	4.250
10/25/2024 10:35:56	0.850	0.650	3.350
10/25/2024 09:26:45	0.550	0.850	2.500
10/25/2024 09:03:40	1.000	0.750	3.450
10/24/2024 17:10:08	0.550	0.700	2.950
10/24/2024 11:19:48	1.300	0.900	4.950
10/24/2024 08:53:34	0.850	1.000	5.300
10/23/2024 08:59:04	1.200	0.600	4.650
10/22/2024 09:55:36	1.100	1.000	3.250
10/21/2024 09:31:04	0.750	0.700	2.900
10/18/2024 09:37:11	1.300	0.800	4.050
10/17/2024 09:00:58	1.000	0.700	3.100
10/16/2024 11:21:27	0.750	1.150	4.250
10/16/2024 09:02:59	0.800	0.850	4.800
10/15/2024 10:12:35	0.700	0.750	3.450
10/14/2024 08:46:09	1.150	0.750	5.200
10/11/2024 08:49:47	1.250	1.250	5.050
10/10/2024 08:52:01	1.150	1.050	4.250
10/9/2024 08:27:16	1.300	0.650	5.100
10/8/2024 10:52:55	1.650	0.900	6.250
10/8/2024 09:47:42	1.000	1.200	3.950

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
10/7/2024 10:47:10	1.000	0.850	3.900
10/7/2024 09:10:56	0.650	0.650	2.550
10/7/2024 08:55:15	0.900	0.350	3.750
10/4/2024 09:16:15	0.550	0.700	3.950
10/3/2024 09:27:44	1.150	0.800	3.300
10/3/2024 08:49:43	1.050	0.750	4.100
10/3/2024 08:29:02	0.700	0.900	3.950
10/2/2024 11:08:13	1.150	0.800	3.600
10/2/2024 08:39:41	1.150	1.100	4.550
10/1/2024 10:14:04	0.900	0.500	2.800
9/30/2024 08:49:31	1.300	1.000	4.000
9/27/2024 08:14:47	1.750	1.050	5.150
9/26/2024 08:09:12	0.800	0.550	4.500
9/25/2024 09:11:08	1.150	0.800	4.950
9/24/2024 09:35:48	0.850	0.700	4.550
9/23/2024 09:00:30	1.250	1.000	4.050
9/20/2024 09:05:28	0.700	0.750	3.000
9/19/2024 09:00:53	1.000	1.000	4.550
9/18/2024 11:34:33	1.000	0.800	3.700
9/18/2024 09:06:37	0.600	0.750	4.150
9/17/2024 12:16:40	0.900	0.750	3.400
9/17/2024 10:09:01	0.900	0.800	3.350
9/16/2024 09:06:13	1.250	1.050	4.500
9/13/2024 16:50:14	1.550	1.700	7.350
9/13/2024 08:54:29	1.600	0.900	5.400
9/12/2024 08:56:53	1.000	0.900	4.800
9/11/2024 09:06:29	1.200	0.800	5.450
9/10/2024 09:46:13	0.900	0.500	4.550
9/9/2024 08:47:13	0.700	0.900	3.150
9/9/2024 08:34:46	0.950	0.450	3.600
9/6/2024 08:58:38	0.700	0.650	2.600
9/5/2024 08:40:15	0.800	0.700	3.950
9/4/2024 08:38:45	1.250	0.600	3.950
9/3/2024 12:05:58	1.350	0.950	4.450
9/3/2024 11:05:58	1.250	1.450	6.900
9/3/2024 08:41:14	1.400	1.450	5.900
8/30/2024 08:41:51	1.100	0.700	4.200
8/29/2024 17:44:51	1.050	0.950	3.500
8/29/2024 10:01:21	1.100	0.500	4.000
8/28/2024 08:40:35	0.800	1.250	4.450
8/27/2024 08:32:46	1.450	1.000	5.600

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/26/2024 10:42:47	1.150	0.650	4.550
8/23/2024 09:05:16	1.400	1.400	3.650
8/22/2024 08:43:54	1.050	0.850	3.250
8/21/2024 08:04:13	1.200	1.050	4.450
8/20/2024 09:20:37	1.250	1.250	5.250
8/19/2024 10:25:21	1.000	0.500	4.550
8/19/2024 09:17:03	0.900	0.650	3.700
8/16/2024 08:56:38	1.050	1.050	3.450
8/15/2024 08:28:01	1.000	0.600	3.250
8/14/2024 08:24:41	1.150	0.450	4.000
8/13/2024 08:51:41	1.200	0.450	2.850
8/12/2024 09:10:43	0.500	0.500	2.350
8/12/2024 08:57:52	0.950	0.600	2.950
8/9/2024 11:39:50	1.350	0.700	4.500
8/9/2024 10:08:20	0.850	0.600	3.100
8/8/2024 08:40:39	1.200	0.500	5.750
8/7/2024 09:19:16	1.350	0.900	4.300
8/6/2024 11:12:44	1.450	0.800	3.500
8/6/2024 10:53:38	1.600	0.500	3.350
8/5/2024 10:40:17	0.600	0.750	3.150
8/5/2024 10:09:19	1.300	0.750	4.700
8/5/2024 09:55:23	0.800	0.700	5.750
8/2/2024 09:40:16	1.050	0.650	4.450
8/2/2024 08:37:48	1.300	0.700	4.600
8/1/2024 10:38:00	1.050	0.550	5.450
8/1/2024 09:06:45	0.900	0.850	3.750
7/31/2024 08:13:58	1.200	0.650	3.800
7/30/2024 08:50:51	1.100	0.650	2.400
7/29/2024 16:06:05	1.250	0.950	4.850
7/29/2024 12:07:28	1.500	0.750	4.100
7/29/2024 11:14:31	1.200	1.000	3.500
7/29/2024 10:15:21	1.250	0.800	3.900
7/26/2024 08:53:52	0.750	1.200	3.950
7/25/2024 09:09:23	0.750	0.300	2.900
7/24/2024 15:10:09	0.750	0.700	3.650
7/24/2024 08:46:25	1.100	0.650	4.200
7/23/2024 09:32:54	1.250	0.750	3.550
7/22/2024 10:18:30	1.050	0.600	4.200
7/19/2024 08:55:06	1.300	0.650	4.050
7/18/2024 09:06:31	0.700	0.600	2.950
7/17/2024 13:03:52	1.150	0.800	3.850

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
7/17/2024 08:53:29	1.700	0.550	5.400
7/16/2024 08:54:03	0.900	0.850	4.100
7/15/2024 10:39:29	1.050	0.750	4.650
7/15/2024 10:30:38	1.250	0.750	4.300
7/15/2024 10:13:57	1.250	0.650	4.400
7/15/2024 09:02:48	1.550	0.450	4.300
7/12/2024 08:34:22	1.200	0.850	4.100
7/11/2024 09:57:22	1.550	1.200	5.900
7/10/2024 08:53:17	1.050	0.850	2.900
7/9/2024 11:54:06	1.200	0.750	3.700
7/9/2024 11:32:31	1.000	0.450	3.700
7/9/2024 11:26:38	1.550	0.550	4.350
7/9/2024 10:39:16	1.200	1.050	4.700
7/9/2024 09:17:46	1.550	0.800	4.650
7/9/2024 08:57:06	1.250	0.700	3.100
7/8/2024 09:21:55	1.700	0.950	5.050
7/8/2024 09:16:31	1.050	0.750	4.500
7/5/2024 09:03:10	1.200	0.500	3.600
7/3/2024 13:05:52	1.150	1.000	4.000
7/3/2024 11:25:40	1.500	0.850	4.500
7/3/2024 09:13:37	1.000	0.550	4.300
7/3/2024 08:44:49	0.950	0.650	3.500
7/2/2024 10:26:17	0.850	0.650	3.600
7/2/2024 08:58:12	0.900	0.850	3.350
7/1/2024 14:16:19	1.450	0.500	5.050
7/1/2024 10:01:10	1.450	0.850	3.900
6/28/2024 08:25:22	1.100	1.350	4.300
6/27/2024 08:34:14	1.350	0.900	6.000
6/27/2024 08:11:22	0.850	0.700	4.400
6/26/2024 07:54:24	0.650	0.400	2.750
6/25/2024 09:02:17	0.900	0.650	4.200
6/24/2024 09:30:27	1.250	1.100	4.150
6/21/2024 08:55:34	1.150	0.700	6.200
6/21/2024 08:22:44	1.050	0.900	3.250
6/20/2024 09:00:43	1.300	0.700	2.750
6/19/2024 07:51:31	1.500	1.400	4.900
6/18/2024 07:52:20	1.850	1.000	4.300
6/17/2024 08:58:45	1.000	0.450	2.900
6/14/2024 08:44:27	1.200	0.450	4.150
6/13/2024 08:42:30	1.100	0.850	4.800
6/12/2024 09:03:47	1.200	0.400	3.350

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
6/11/2024 08:44:40	1.650	0.700	3.950
6/10/2024 09:31:51	1.550	0.750	4.350
6/10/2024 09:17:04	1.250	0.450	3.800
6/10/2024 09:10:07	1.400	0.600	3.500
6/7/2024 09:02:38	1.400	0.350	3.300
6/6/2024 15:20:20	1.150	0.400	2.650
6/6/2024 05:03:01	1.500	1.100	4.650
6/6/2024 04:59:28	1.300	0.900	3.750
6/5/2024 08:30:26	1.800	1.350	4.050
6/4/2024 08:52:51	0.650	0.500	3.850
6/4/2024 08:39:35	0.850	0.500	3.450
6/4/2024 08:33:37	0.950	0.800	4.400
6/3/2024 10:10:17	1.000	0.500	3.100
6/3/2024 09:51:43	2.050	0.850	4.950
6/3/2024 09:44:54	1.500	0.500	5.150
6/3/2024 09:30:49	1.100	0.350	3.050
5/31/2024 08:42:32	1.350	0.900	5.150
5/30/2024 09:08:46	1.000	0.550	4.300
5/29/2024 09:04:40	1.150	0.750	4.750
5/29/2024 08:48:40	0.700	0.550	2.700
5/29/2024 08:44:08	1.150	0.400	3.600
5/28/2024 09:34:37	1.000	0.450	3.150
5/24/2024 07:20:01	1.250	1.100	4.200
5/23/2024 10:25:13	0.900	0.900	5.100
5/22/2024 09:45:06	1.050	0.750	5.250
5/21/2024 09:06:58	1.400	1.100	5.050
5/21/2024 08:01:17	1.150	0.950	4.950
5/20/2024 17:22:27	0.900	0.750	3.800
5/20/2024 17:18:56	1.050	1.050	3.750
5/20/2024 09:20:56	0.450	0.650	3.250
5/17/2024 09:12:39	1.050	0.700	4.800
5/16/2024 08:56:23	0.900	0.750	3.850
5/15/2024 09:38:13	0.750	0.600	4.050
5/15/2024 09:21:01	0.900	0.250	3.400
5/14/2024 09:41:16	0.900	0.350	3.050
5/14/2024 09:04:40	0.600	0.350	2.100
5/13/2024 09:04:44	0.950	0.900	3.450
5/10/2024 08:57:17	0.900	0.550	5.000
5/9/2024 09:06:46	1.100	0.900	5.050
5/9/2024 08:50:21	1.150	0.700	4.800
5/9/2024 08:44:20	1.000	1.000	5.300

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
5/8/2024 09:39:10	1.300	0.600	3.200
5/7/2024 17:05:39	1.150	0.700	4.850
5/7/2024 16:48:43	1.050	0.800	3.600
5/7/2024 09:19:24	1.000	0.800	3.750
5/6/2024 09:15:59	0.750	0.750	4.350
5/6/2024 09:03:10	0.850	0.700	4.500
5/3/2024 09:11:06	1.150	0.500	3.350
5/2/2024 09:48:24	0.800	0.800	2.450
5/1/2024 09:22:54	1.300	0.700	5.450
4/30/2024 10:43:56	1.000	1.250	5.000
4/30/2024 08:17:01	1.150	0.950	4.100
4/29/2024 09:10:57	1.550	0.750	5.050
4/29/2024 08:57:45	1.550	0.850	5.850
4/26/2024 08:09:31	1.300	0.750	5.850
4/25/2024 09:37:51	1.250	1.000	4.100
4/24/2024 09:17:24	1.600	1.450	5.400
4/23/2024 22:46:11	1.250	1.150	5.750
4/23/2024 09:01:59	0.700	0.550	4.900
4/22/2024 10:16:34	1.000	0.650	4.100
4/19/2024 10:59:00	1.050	1.050	5.250
4/19/2024 10:07:48	2.150	1.700	8.800
4/19/2024 09:10:32	0.600	0.600	1.050
4/18/2024 09:24:23	0.850	0.800	2.900
4/17/2024 17:03:53	1.350	0.800	4.300
4/17/2024 16:22:27	1.150	1.000	4.600
4/17/2024 09:09:54	0.800	0.750	2.300
4/16/2024 09:06:44	1.150	1.300	4.500
4/15/2024 09:14:49	1.200	1.150	5.300
4/12/2024 08:28:21	1.050	0.850	4.250
4/11/2024 08:35:01	0.900	0.700	4.650
4/10/2024 09:48:58	0.550	1.000	3.500
4/9/2024 08:56:49	0.700	0.700	3.500
4/8/2024 09:25:48	0.950	0.800	4.150
4/5/2024 08:28:47	1.450	0.700	5.100
4/4/2024 11:00:01	1.700	0.650	4.750
4/4/2024 10:45:12	1.100	0.750	3.200
4/3/2024 08:29:42	0.950	0.900	5.550
4/2/2024 09:43:44	0.800	0.750	2.500
4/1/2024 09:27:15	1.200	1.300	3.650
3/29/2024 08:53:28	1.250	0.900	3.350
3/28/2024 09:08:20	0.800	0.850	3.950

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
3/27/2024 16:48:32	1.250	1.100	4.700
3/27/2024 10:07:18	1.650	0.750	3.600
3/27/2024 08:49:30	1.700	0.600	4.200
3/26/2024 10:28:06	1.450	0.550	4.000
3/25/2024 10:10:30	1.150	0.650	4.800
3/22/2024 09:00:45	0.750	0.750	4.000
3/21/2024 08:44:31	0.900	0.450	4.000
3/20/2024 09:03:42	1.350	0.650	2.950
3/19/2024 13:23:15	1.250	0.750	3.650
3/19/2024 09:31:32	0.950	0.500	3.450
3/18/2024 10:47:35	1.150	0.550	3.550
3/15/2024 09:19:25	1.700	1.000	5.050
3/14/2024 09:13:05	1.100	0.750	4.050
3/13/2024 09:22:30	1.700	0.850	3.850
3/12/2024 09:10:39	0.850	0.700	3.750
3/11/2024 11:07:32	1.650	0.850	4.300
3/11/2024 09:31:05	1.450	0.850	4.850
3/11/2024 09:27:33	1.950	0.500	4.700
3/8/2024 08:29:13	1.800	0.650	4.350
3/7/2024 17:46:09	1.250	1.050	4.550
3/7/2024 13:19:13	0.950	0.650	4.750
3/7/2024 09:28:32	2.150	1.000	4.900
3/7/2024 09:11:32	1.200	0.600	3.500
3/7/2024 09:01:08	1.250	0.700	4.350
3/6/2024 10:19:40	1.600	0.500	4.550
3/5/2024 10:15:16	45.151	868.764	0.250
3/5/2024 10:09:01	0.450	0.100	0.150
3/4/2024 11:41:00	1.650	1.000	4.400
3/4/2024 11:28:21	1.900	1.700	7.550
3/1/2024 08:43:28	1.850	1.100	5.400
2/29/2024 10:38:23	1.350	0.800	4.500
2/29/2024 10:00:25	0.850	0.450	1.150
2/29/2024 09:54:15	0.900	0.350	1.300
2/28/2024 09:32:01	1.250	0.700	3.350
2/27/2024 09:16:47	1.000	0.700	3.200
2/26/2024 10:30:35	1.750	0.700	5.350
2/26/2024 10:00:21	2.150	0.700	5.850
2/23/2024 09:07:38	1.300	0.550	3.600
2/22/2024 08:58:48	1.150	0.850	4.300
2/21/2024 09:51:13	1.000	0.650	3.750
2/20/2024 09:59:52	1.100	1.250	3.900

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
2/19/2024 11:30:32	1.150	0.400	3.700
2/19/2024 11:27:00	1.800	0.500	3.150
2/19/2024 10:16:07	1.100	0.750	4.100
2/16/2024 10:28:26	1.650	0.950	5.150
2/15/2024 09:20:58	1.850	0.850	5.350
2/14/2024 09:20:12	2.050	1.150	5.600
2/13/2024 10:44:41	1.700	1.150	5.800
2/13/2024 10:29:18	1.550	0.800	2.700
2/12/2024 11:24:46	1.300	0.400	3.900
2/12/2024 11:09:08	0.150	0.150	0.350
2/12/2024 10:33:45	0.450	2.300	0.100
2/12/2024 10:19:52	1.550	0.400	1.250
2/12/2024 10:03:02	0.150	0.050	0.200
2/9/2024 09:43:26	1.600	0.400	3.200
2/8/2024 09:41:08	1.600	0.800	3.200
2/7/2024 09:08:34	1.200	0.550	3.550
2/6/2024 10:08:14	1.650	1.550	4.100
2/5/2024 16:27:35	1.100	0.550	3.400
2/2/2024 09:52:22	1.250	0.600	5.350
2/1/2024 09:29:20	1.000	0.550	5.000
1/31/2024 11:01:25	1.300	0.650	4.650
1/31/2024 10:56:52	1.200	0.800	5.700
1/30/2024 09:04:33	0.900	0.650	5.400
1/29/2024 09:09:33	1.100	0.650	4.000
1/26/2024 10:08:59	1.450	1.050	5.000
1/25/2024 09:54:25	1.350	0.850	3.950
1/24/2024 08:52:40	1.300	0.900	3.900
1/23/2024 11:08:41	1.000	0.900	3.450
1/22/2024 09:17:23	1.300	0.800	5.500
1/22/2024 09:06:26	1.750	0.650	4.050
1/19/2024 09:01:45	1.750	1.000	4.000
1/18/2024 10:29:20	1.250	0.650	3.600
1/17/2024 08:52:45	1.550	0.650	4.250
1/16/2024 14:09:54	1.450	0.650	4.150
1/16/2024 13:58:35	1.450	0.800	3.350
1/16/2024 13:45:11	1.050	0.600	3.600
1/15/2024 13:03:28	0.750	0.200	0.700
1/15/2024 10:46:25	0.800	0.100	0.400
1/15/2024 10:34:05	0.800	0.100	0.750
1/15/2024 10:25:28	1.350	0.150	0.800
1/15/2024 09:48:32	0.950	0.250	0.450

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/15/2024 09:32:45	1.050	0.350	0.600
1/11/2024 14:10:39	0.900	0.150	0.200
1/11/2024 14:00:32	0.700	0.050	0.250
1/11/2024 13:07:14	0.600	0.150	0.250
1/11/2024 12:18:32	0.550	0.050	0.400
1/11/2024 10:36:51	0.450	0.100	0.250
1/11/2024 10:28:26	0.550	0.050	0.200
1/11/2024 09:11:58	0.300	0.150	0.500
1/11/2024 09:02:27	0.700	0.200	0.500
1/11/2024 08:54:00	0.450	0.100	0.600
1/10/2024 09:10:40	1.400	1.000	4.400
1/9/2024 12:58:05	2.000	0.800	4.900
1/9/2024 12:49:35	1.200	0.450	1.750
1/9/2024 12:37:33	0.000	0.050	0.200
1/9/2024 12:22:55	0.050	0.050	0.000
1/9/2024 12:00:03	0.000	0.050	0.100
1/9/2024 11:54:42	0.000	0.000	0.050
1/9/2024 11:45:17	0.100	0.000	0.050
1/9/2024 11:40:53	0.050	0.000	0.050
1/9/2024 11:25:08	0.450	0.050	0.200
1/9/2024 11:20:04	0.250	0.100	0.200
1/8/2024 13:49:37	0.950	0.550	2.650
1/8/2024 12:34:48	0.350	0.150	0.600
1/8/2024 12:30:18	0.250	0.300	0.450
1/5/2024 09:35:49	1.250	0.450	3.900
1/4/2024 09:13:21	1.100	0.750	4.350
1/4/2024 09:00:57	1.400	0.450	2.950
1/3/2024 08:46:17	1.250	0.600	3.200
1/2/2024 11:16:48	1.350	0.300	2.800
1/2/2024 10:38:17	1.250	0.800	2.900
12/29/2023 10:12:49	0.850	0.500	3.100
12/28/2023 08:59:35	1.000	0.800	3.550
12/27/2023 12:20:02	1.000	0.600	3.150
12/27/2023 11:34:32	0.800	0.650	3.450
12/27/2023 10:51:04	1.000	0.800	3.000
12/27/2023 10:41:08	1.200	0.400	3.400
12/27/2023 10:33:50	1.500	0.650	3.500
12/27/2023 10:28:28	0.950	0.600	3.300
12/22/2023 07:49:52	0.850	0.450	2.400
12/21/2023 08:44:43	1.050	0.450	2.150
12/20/2023 09:26:41	0.600	0.350	3.500

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/19/2023 09:55:37	1.150	0.550	2.600
12/18/2023 10:16:18	0.700	0.400	2.100
12/18/2023 10:06:38	0.900	0.150	2.400
12/18/2023 10:00:26	1.150	0.200	2.950
12/15/2023 09:45:55	1.000	0.800	3.050
12/14/2023 10:23:15	0.350	0.850	2.950
12/13/2023 10:17:40	0.650	0.250	2.800
12/12/2023 09:56:00	0.950	0.600	2.700
12/11/2023 10:31:48	1.350	0.200	2.550
12/8/2023 10:10:39	0.950	0.600	3.250
12/7/2023 09:51:50	0.850	0.300	2.550
12/6/2023 10:12:37	1.050	0.750	3.550
12/5/2023 10:02:14	0.600	0.450	1.750
12/4/2023 12:08:53	0.600	0.300	2.500
12/4/2023 11:24:17	0.350	0.200	1.300
12/4/2023 11:20:06	0.500	0.250	0.850
12/4/2023 11:16:06	0.150	0.500	1.150
12/4/2023 10:23:39	0.300	0.150	1.400
12/4/2023 10:16:55	0.300	0.350	0.950
12/4/2023 10:09:27	0.400	0.300	1.100
12/1/2023 09:45:19	0.550	0.500	1.500
11/30/2023 11:48:17	0.450	0.350	1.950
11/30/2023 11:13:01	0.450	0.100	1.200
11/30/2023 11:05:44	0.500	0.050	1.150
11/30/2023 10:33:46	0.150	0.200	0.700
11/29/2023 10:04:26	0.850	0.450	2.200
11/29/2023 09:51:22	0.750	0.300	2.400
11/28/2023 12:50:37	1.000	0.550	2.650
11/28/2023 12:18:55	0.800	0.700	3.500
11/28/2023 12:15:04	0.500	0.450	3.050
11/28/2023 11:49:24	0.900	0.450	3.200
11/28/2023 10:22:53	0.650	0.350	1.800
11/28/2023 10:19:03	0.550	0.400	1.950
11/28/2023 10:15:20	0.200	0.200	1.650
11/28/2023 09:59:37	0.250	0.200	1.500
11/27/2023 10:28:48	0.300	0.200	1.850
11/27/2023 10:07:16	0.300	0.100	1.500
11/27/2023 10:01:25	0.500	0.150	1.150
11/27/2023 09:52:06	0.500	0.150	1.250
11/22/2023 09:50:47	0.500	0.300	1.700
11/21/2023 09:52:05	0.650	0.250	1.200

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/20/2023 09:38:08	0.200	0.350	1.450
11/17/2023 10:07:38	0.250	0.100	2.450
11/16/2023 09:42:56	0.350	0.350	2.750
11/15/2023 13:01:45	0.550	0.100	1.700
11/15/2023 12:33:52	0.350	0.250	0.900
11/15/2023 12:27:35	0.150	0.250	1.300
11/15/2023 12:17:35	0.400	0.200	0.900
11/15/2023 12:09:42	0.450	0.150	1.350
11/15/2023 10:39:09	0.200	0.100	1.150
11/14/2023 10:25:03	1.600	0.750	4.550
11/13/2023 09:42:07	1.000	0.350	3.300
11/10/2023 09:15:37	0.950	0.650	3.000
11/9/2023 09:55:52	0.850	0.450	2.800
11/8/2023 09:55:56	1.100	0.450	3.550
11/7/2023 10:07:52	1.150	0.800	3.850
11/7/2023 10:01:12	0.750	0.350	2.550
11/7/2023 09:55:11	1.000	0.350	3.150
11/6/2023 10:21:52	1.450	0.800	3.700
11/3/2023 09:44:39	1.250	0.600	4.000
11/2/2023 09:56:11	1.350	0.500	3.200
11/1/2023 09:41:33	1.550	0.700	4.000

Tune Parameters

Created Date	Extract 1	Extract 2	Omega Bias
2/24/2025 08:59:48	0.0 V	-200.0 V	-90 V
2/21/2025 09:28:39	0.0 V	-200.0 V	-100 V
2/21/2025 09:20:37	0.0 V	-170.0 V	-80 V
2/20/2025 12:51:01	0.0 V	-200.0 V	-90 V
2/20/2025 09:19:24	0.0 V	-195.0 V	-110 V
2/19/2025 09:22:52	0.0 V	-200.0 V	-110 V
2/19/2025 09:04:54	0.0 V	-185.0 V	-110 V
2/18/2025 09:15:33	0.0 V	-190.0 V	-110 V
2/17/2025 09:55:54	0.0 V	-185.0 V	-110 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
2/14/2025 09:06:42	0.0 V	-190.0 V	-110 V
2/13/2025 09:06:19	0.0 V	-190.0 V	-110 V
2/12/2025 09:11:47	0.0 V	-185.0 V	-110 V
2/11/2025 09:24:44	0.0 V	-185.0 V	-110 V
2/10/2025 09:25:20	0.0 V	-180.0 V	-110 V
2/7/2025 09:21:57	0.0 V	-190.0 V	-100 V
2/6/2025 13:15:34	0.0 V	-195.0 V	-100 V
2/6/2025 09:18:48	0.0 V	-200.0 V	-90 V
2/5/2025 10:18:25	0.0 V	-200.0 V	-110 V
2/5/2025 09:31:26	0.0 V	-200.0 V	-100 V
2/4/2025 09:10:01	0.0 V	-200.0 V	-110 V
2/3/2025 10:57:55	0.0 V	-195.0 V	-110 V
2/3/2025 09:46:21	0.0 V	-190.0 V	-110 V
1/31/2025 13:24:01	0.0 V	-195.0 V	-110 V
1/31/2025 12:15:33	0.0 V	-200.0 V	-100 V
1/31/2025 11:41:22	0.0 V	-200.0 V	-90 V
1/31/2025 11:25:27	0.0 V	-170.0 V	-110 V
1/31/2025 10:55:25	0.0 V	-140.0 V	-70 V
1/31/2025 08:50:57	0.0 V	-180.0 V	-90 V
1/30/2025 09:05:36	0.0 V	-190.0 V	-90 V
1/30/2025 08:35:38	0.0 V	-200.0 V	-90 V
1/30/2025 08:04:37	0.0 V	-200.0 V	-90 V
1/29/2025 10:06:45	0.0 V	-200.0 V	-110 V
1/28/2025 09:55:51	0.0 V	-200.0 V	-110 V
1/27/2025 08:25:00	0.0 V	-200.0 V	-100 V
1/24/2025 10:20:31	0.0 V	-200.0 V	-110 V
1/23/2025 08:29:42	0.0 V	-190.0 V	-120 V
1/22/2025 08:50:52	0.0 V	-195.0 V	-110 V
1/21/2025 08:39:26	0.0 V	-200.0 V	-110 V
1/20/2025 09:29:22	0.0 V	-200.0 V	-110 V
1/17/2025 09:22:21	0.0 V	-195.0 V	-120 V
1/16/2025 09:06:18	0.0 V	-190.0 V	-120 V
1/15/2025 10:11:23	0.0 V	-175.0 V	-110 V
1/14/2025 08:44:58	0.0 V	-190.0 V	-90 V
1/13/2025 08:22:52	0.0 V	-185.0 V	-100 V
1/10/2025 08:58:48	0.0 V	-195.0 V	-100 V
1/9/2025 08:55:30	0.0 V	-195.0 V	-110 V
1/8/2025 11:02:55	0.0 V	-200.0 V	-110 V
1/7/2025 08:57:51	0.0 V	-195.0 V	-120 V
1/6/2025 09:05:42	0.0 V	-200.0 V	-110 V
1/3/2025 08:51:46	0.0 V	-195.0 V	-120 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
1/2/2025 09:10:35	0.0 V	-190.0 V	-110 V
12/31/2024 08:51:35	0.0 V	-200.0 V	-110 V
12/30/2024 08:28:40	0.0 V	-175.0 V	-110 V
12/27/2024 08:18:16	0.0 V	-155.0 V	-80 V
12/26/2024 08:44:40	0.0 V	-165.0 V	-90 V
12/23/2024 08:06:00	0.0 V	-180.0 V	-100 V
12/20/2024 08:54:14	0.0 V	-190.0 V	-100 V
12/19/2024 09:15:38	0.0 V	-190.0 V	-100 V
12/18/2024 13:25:48	0.0 V	-195.0 V	-100 V
12/18/2024 09:44:44	0.0 V	-185.0 V	-110 V
12/17/2024 18:43:32	0.0 V	-195.0 V	-110 V
12/17/2024 09:21:23	0.0 V	-195.0 V	-110 V
12/16/2024 09:07:17	0.0 V	-180.0 V	-110 V
12/13/2024 09:34:40	0.0 V	-200.0 V	-110 V
12/12/2024 10:16:55	0.0 V	-200.0 V	-120 V
12/11/2024 08:42:50	0.0 V	-195.0 V	-110 V
12/10/2024 08:46:49	0.0 V	-195.0 V	-110 V
12/9/2024 13:01:13	0.0 V	-180.0 V	-100 V
12/9/2024 10:36:11	0.0 V	-200.0 V	-120 V
12/9/2024 10:28:15	0.0 V	-180.0 V	-110 V
12/9/2024 10:22:08	0.0 V	-180.0 V	-110 V
12/6/2024 08:11:53	0.0 V	-190.0 V	-90 V
12/5/2024 07:45:15	0.0 V	-195.0 V	-100 V
12/4/2024 08:35:28	0.0 V	-195.0 V	-100 V
12/3/2024 09:38:46	0.0 V	-195.0 V	-100 V
12/3/2024 09:10:25	0.0 V	-195.0 V	-100 V
12/2/2024 09:48:14	0.0 V	-200.0 V	-110 V
11/27/2024 09:18:02	0.0 V	-190.0 V	-110 V
11/27/2024 08:40:33	0.0 V	-185.0 V	-110 V
11/26/2024 07:52:41	0.0 V	-185.0 V	-110 V
11/25/2024 10:52:38	0.0 V	-170.0 V	-110 V
11/25/2024 08:43:09	0.0 V	-190.0 V	-110 V
11/25/2024 08:31:48	0.0 V	-195.0 V	-110 V
11/22/2024 06:29:21	0.0 V	-180.0 V	-110 V
11/21/2024 10:07:26	0.0 V	-185.0 V	-110 V
11/21/2024 09:58:26	0.0 V	-170.0 V	-110 V
11/21/2024 09:53:21	0.0 V	-170.0 V	-110 V
11/20/2024 08:50:13	0.0 V	-180.0 V	-90 V
11/19/2024 09:07:39	0.0 V	-190.0 V	-90 V
11/18/2024 09:11:09	0.0 V	-195.0 V	-100 V
11/15/2024 09:02:37	0.0 V	-200.0 V	-110 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
11/14/2024 09:56:47	0.0 V	-185.0 V	-100 V
11/14/2024 09:44:41	0.0 V	-190.0 V	-100 V
11/14/2024 09:39:59	0.0 V	-190.0 V	-100 V
11/14/2024 09:21:41	0.0 V	-200.0 V	-100 V
11/14/2024 09:16:53	0.0 V	-200.0 V	-100 V
11/13/2024 10:17:19	0.0 V	-185.0 V	-100 V
11/12/2024 08:42:23	0.0 V	-195.0 V	-100 V
11/12/2024 08:34:20	0.0 V	-200.0 V	-120 V
11/11/2024 09:46:29	0.0 V	-185.0 V	-100 V
11/11/2024 09:31:26	0.0 V	-190.0 V	-100 V
11/11/2024 09:09:19	0.0 V	-190.0 V	-100 V
11/8/2024 09:40:41	0.0 V	-170.0 V	-100 V
11/7/2024 12:08:43	0.0 V	-155.0 V	-90 V
11/7/2024 12:03:35	0.0 V	-155.0 V	-90 V
11/7/2024 11:08:15	0.0 V	-160.0 V	-90 V
11/7/2024 10:32:04	0.0 V	-140.0 V	-80 V
11/7/2024 10:13:44	0.0 V	-140.0 V	-70 V
11/7/2024 09:49:05	0.0 V	-175.0 V	-100 V
11/6/2024 08:55:41	0.0 V	-200.0 V	-100 V
11/5/2024 09:02:15	0.0 V	-200.0 V	-100 V
11/4/2024 09:59:50	0.0 V	-200.0 V	-100 V
11/4/2024 09:42:34	0.0 V	-200.0 V	-100 V
11/4/2024 09:13:54	0.0 V	-185.0 V	-100 V
11/1/2024 08:59:46	0.0 V	-180.0 V	-90 V
10/31/2024 09:14:27	0.0 V	-195.0 V	-90 V
10/30/2024 16:33:14	0.0 V	-200.0 V	-100 V
10/30/2024 11:25:36	0.0 V	-200.0 V	-110 V
10/30/2024 10:54:46	0.0 V	-195.0 V	-110 V
10/30/2024 09:09:15	0.0 V	-185.0 V	-110 V
10/29/2024 11:26:39	0.0 V	-200.0 V	-100 V
10/29/2024 10:54:54	0.0 V	-200.0 V	-110 V
10/29/2024 09:36:05	0.0 V	-195.0 V	-110 V
10/29/2024 09:04:30	0.0 V	-190.0 V	-110 V
10/28/2024 12:26:28	0.0 V	-195.0 V	-100 V
10/28/2024 09:57:52	0.0 V	-180.0 V	-90 V
10/25/2024 13:22:08	0.0 V	-185.0 V	-100 V
10/25/2024 13:09:08	0.0 V	-175.0 V	-100 V
10/25/2024 10:35:56	0.0 V	-165.0 V	-70 V
10/25/2024 09:26:45	0.0 V	-145.0 V	-70 V
10/25/2024 09:03:40	0.0 V	-140.0 V	-70 V
10/24/2024 17:10:08	0.0 V	-185.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
10/24/2024 11:19:48	0.0 V	-200.0 V	-90 V
10/24/2024 08:53:34	0.0 V	-200.0 V	-90 V
10/23/2024 08:59:04	0.0 V	-195.0 V	-90 V
10/22/2024 09:55:36	0.0 V	-185.0 V	-90 V
10/21/2024 09:31:04	0.0 V	-180.0 V	-90 V
10/18/2024 09:37:11	0.0 V	-200.0 V	-90 V
10/17/2024 09:00:58	0.0 V	-195.0 V	-80 V
10/16/2024 11:21:27	0.0 V	-195.0 V	-90 V
10/16/2024 09:02:59	0.0 V	-200.0 V	-100 V
10/15/2024 10:12:35	0.0 V	-175.0 V	-80 V
10/14/2024 08:46:09	0.0 V	-185.0 V	-80 V
10/11/2024 08:49:47	0.0 V	-190.0 V	-80 V
10/10/2024 08:52:01	0.0 V	-190.0 V	-80 V
10/9/2024 08:27:16	0.0 V	-195.0 V	-80 V
10/8/2024 10:52:55	0.0 V	-195.0 V	-80 V
10/8/2024 09:47:42	0.0 V	-170.0 V	-80 V
10/7/2024 10:47:10	0.0 V	-185.0 V	-80 V
10/7/2024 09:10:56	0.0 V	-180.0 V	-80 V
10/7/2024 08:55:15	0.0 V	-180.0 V	-80 V
10/4/2024 09:16:15	0.0 V	-190.0 V	-90 V
10/3/2024 09:27:44	0.0 V	-195.0 V	-80 V
10/3/2024 08:49:43	0.0 V	-195.0 V	-90 V
10/3/2024 08:29:02	0.0 V	-180.0 V	-80 V
10/2/2024 11:08:13	0.0 V	-200.0 V	-80 V
10/2/2024 08:39:41	0.0 V	-195.0 V	-90 V
10/1/2024 10:14:04	0.0 V	-175.0 V	-80 V
9/30/2024 08:49:31	0.0 V	-175.0 V	-80 V
9/27/2024 08:14:47	0.0 V	-200.0 V	-100 V
9/26/2024 08:09:12	0.0 V	-195.0 V	-90 V
9/25/2024 09:11:08	0.0 V	-200.0 V	-80 V
9/24/2024 09:35:48	0.0 V	-175.0 V	-80 V
9/23/2024 09:00:30	0.0 V	-180.0 V	-80 V
9/20/2024 09:05:28	0.0 V	-195.0 V	-80 V
9/19/2024 09:00:53	0.0 V	-195.0 V	-90 V
9/18/2024 11:34:33	0.0 V	-190.0 V	-80 V
9/18/2024 09:06:37	0.0 V	-185.0 V	-80 V
9/17/2024 12:16:40	0.0 V	-180.0 V	-80 V
9/17/2024 10:09:01	0.0 V	-170.0 V	-80 V
9/16/2024 09:06:13	0.0 V	-190.0 V	-80 V
9/13/2024 16:50:14	0.0 V	-200.0 V	-90 V
9/13/2024 08:54:29	0.0 V	-195.0 V	-80 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
9/12/2024 08:56:53	0.0 V	-190.0 V	-80 V
9/11/2024 09:06:29	0.0 V	-195.0 V	-80 V
9/10/2024 09:46:13	0.0 V	-165.0 V	-80 V
9/9/2024 08:47:13	0.0 V	-160.0 V	-70 V
9/9/2024 08:34:46	0.0 V	-155.0 V	-70 V
9/6/2024 08:58:38	0.0 V	-160.0 V	-70 V
9/5/2024 08:40:15	0.0 V	-165.0 V	-70 V
9/4/2024 08:38:45	0.0 V	-165.0 V	-70 V
9/3/2024 12:05:58	0.0 V	-170.0 V	-70 V
9/3/2024 11:05:58	0.0 V	-165.0 V	-70 V
9/3/2024 08:41:14	0.0 V	-200.0 V	-90 V
8/30/2024 08:41:51	0.0 V	-195.0 V	-90 V
8/29/2024 17:44:51	0.0 V	-190.0 V	-80 V
8/29/2024 10:01:21	0.0 V	-165.0 V	-80 V
8/28/2024 08:40:35	0.0 V	-185.0 V	-80 V
8/27/2024 08:32:46	0.0 V	-200.0 V	-80 V
8/26/2024 10:42:47	0.0 V	-185.0 V	-100 V
8/23/2024 09:05:16	0.0 V	-140.0 V	-70 V
8/22/2024 08:43:54	0.0 V	-160.0 V	-70 V
8/21/2024 08:04:13	0.0 V	-200.0 V	-80 V
8/20/2024 09:20:37	0.0 V	-190.0 V	-100 V
8/19/2024 10:25:21	0.0 V	-185.0 V	-80 V
8/19/2024 09:17:03	0.0 V	-165.0 V	-80 V
8/16/2024 08:56:38	0.0 V	-180.0 V	-80 V
8/15/2024 08:28:01	0.0 V	-165.0 V	-80 V
8/14/2024 08:24:41	0.0 V	-175.0 V	-80 V
8/13/2024 08:51:41	0.0 V	-185.0 V	-80 V
8/12/2024 09:10:43	0.0 V	-160.0 V	-80 V
8/12/2024 08:57:52	0.0 V	-180.0 V	-80 V
8/9/2024 11:39:50	0.0 V	-195.0 V	-90 V
8/9/2024 10:08:20	0.0 V	-195.0 V	-90 V
8/8/2024 08:40:39	0.0 V	-195.0 V	-90 V
8/7/2024 09:19:16	0.0 V	-195.0 V	-90 V
8/6/2024 11:12:44	0.0 V	-200.0 V	-80 V
8/6/2024 10:53:38	0.0 V	-200.0 V	-80 V
8/5/2024 10:40:17	0.0 V	-200.0 V	-80 V
8/5/2024 10:09:19	0.0 V	-200.0 V	-90 V
8/5/2024 09:55:23	0.0 V	-195.0 V	-90 V
8/2/2024 09:40:16	0.0 V	-190.0 V	-90 V
8/2/2024 08:37:48	0.0 V	-190.0 V	-90 V
8/1/2024 10:38:00	0.0 V	-180.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
8/1/2024 09:06:45	0.0 V	-175.0 V	-90 V
7/31/2024 08:13:58	0.0 V	-185.0 V	-90 V
7/30/2024 08:50:51	0.0 V	-180.0 V	-90 V
7/29/2024 16:06:05	0.0 V	-190.0 V	-90 V
7/29/2024 12:07:28	0.0 V	-195.0 V	-90 V
7/29/2024 11:14:31	0.0 V	-195.0 V	-100 V
7/29/2024 10:15:21	0.0 V	-180.0 V	-90 V
7/26/2024 08:53:52	0.0 V	-190.0 V	-90 V
7/25/2024 09:09:23	0.0 V	-165.0 V	-90 V
7/24/2024 15:10:09	0.0 V	-185.0 V	-90 V
7/24/2024 08:46:25	0.0 V	-180.0 V	-90 V
7/23/2024 09:32:54	0.0 V	-180.0 V	-90 V
7/22/2024 10:18:30	0.0 V	-185.0 V	-90 V
7/19/2024 08:55:06	0.0 V	-190.0 V	-90 V
7/18/2024 09:06:31	0.0 V	-175.0 V	-90 V
7/17/2024 13:03:52	0.0 V	-185.0 V	-90 V
7/17/2024 08:53:29	0.0 V	-185.0 V	-90 V
7/16/2024 08:54:03	0.0 V	-190.0 V	-90 V
7/15/2024 10:39:29	0.0 V	-195.0 V	-90 V
7/15/2024 10:30:38	0.0 V	-180.0 V	-90 V
7/15/2024 10:13:57	0.0 V	-180.0 V	-90 V
7/15/2024 09:02:48	0.0 V	-185.0 V	-90 V
7/12/2024 08:34:22	0.0 V	-175.0 V	-90 V
7/11/2024 09:57:22	0.0 V	-180.0 V	-80 V
7/10/2024 08:53:17	0.0 V	-150.0 V	-70 V
7/9/2024 11:54:06	0.0 V	-155.0 V	-70 V
7/9/2024 11:32:31	0.0 V	-155.0 V	-70 V
7/9/2024 11:26:38	0.0 V	-155.0 V	-70 V
7/9/2024 10:39:16	0.0 V	-155.0 V	-70 V
7/9/2024 09:17:46	0.0 V	-155.0 V	-70 V
7/9/2024 08:57:06	0.0 V	-140.0 V	-70 V
7/8/2024 09:21:55	0.0 V	-165.0 V	-80 V
7/8/2024 09:16:31	0.0 V	-160.0 V	-80 V
7/5/2024 09:03:10	0.0 V	-200.0 V	-90 V
7/3/2024 13:05:52	0.0 V	-195.0 V	-100 V
7/3/2024 11:25:40	0.0 V	-195.0 V	-90 V
7/3/2024 09:13:37	0.0 V	-195.0 V	-90 V
7/3/2024 08:44:49	0.0 V	-170.0 V	-90 V
7/2/2024 10:26:17	0.0 V	-170.0 V	-90 V
7/2/2024 08:58:12	0.0 V	-170.0 V	-90 V
7/1/2024 14:16:19	0.0 V	-190.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
7/1/2024 10:01:10	0.0 V	-195.0 V	-90 V
6/28/2024 08:25:22	0.0 V	-195.0 V	-90 V
6/27/2024 08:34:14	0.0 V	-195.0 V	-90 V
6/27/2024 08:11:22	0.0 V	-175.0 V	-90 V
6/26/2024 07:54:24	0.0 V	-175.0 V	-90 V
6/25/2024 09:02:17	0.0 V	-190.0 V	-90 V
6/24/2024 09:30:27	0.0 V	-190.0 V	-90 V
6/21/2024 08:55:34	0.0 V	-200.0 V	-90 V
6/21/2024 08:22:44	0.0 V	-170.0 V	-90 V
6/20/2024 09:00:43	0.0 V	-170.0 V	-90 V
6/19/2024 07:51:31	0.0 V	-175.0 V	-90 V
6/18/2024 07:52:20	0.0 V	-175.0 V	-90 V
6/17/2024 08:58:45	0.0 V	-175.0 V	-90 V
6/14/2024 08:44:27	0.0 V	-195.0 V	-90 V
6/13/2024 08:42:30	0.0 V	-200.0 V	-100 V
6/12/2024 09:03:47	0.0 V	-200.0 V	-100 V
6/11/2024 08:44:40	0.0 V	-185.0 V	-100 V
6/10/2024 09:31:51	0.0 V	-170.0 V	-90 V
6/10/2024 09:17:04	0.0 V	-165.0 V	-90 V
6/10/2024 09:10:07	0.0 V	-165.0 V	-90 V
6/7/2024 09:02:38	0.0 V	-165.0 V	-90 V
6/6/2024 15:20:20	0.0 V	-165.0 V	-90 V
6/6/2024 05:03:01	0.0 V	-190.0 V	-90 V
6/6/2024 04:59:28	0.0 V	-190.0 V	-90 V
6/5/2024 08:30:26	0.0 V	-190.0 V	-90 V
6/4/2024 08:52:51	0.0 V	-200.0 V	-90 V
6/4/2024 08:39:35	0.0 V	-200.0 V	-100 V
6/4/2024 08:33:37	0.0 V	-200.0 V	-100 V
6/3/2024 10:10:17	0.0 V	-200.0 V	-100 V
6/3/2024 09:51:43	0.0 V	-175.0 V	-100 V
6/3/2024 09:44:54	0.0 V	-175.0 V	-100 V
6/3/2024 09:30:49	0.0 V	-175.0 V	-100 V
5/31/2024 08:42:32	0.0 V	-200.0 V	-100 V
5/30/2024 09:08:46	0.0 V	-200.0 V	-100 V
5/29/2024 09:04:40	0.0 V	-200.0 V	-100 V
5/29/2024 08:48:40	0.0 V	-170.0 V	-80 V
5/29/2024 08:44:08	0.0 V	-170.0 V	-80 V
5/28/2024 09:34:37	0.0 V	-170.0 V	-80 V
5/24/2024 07:20:01	0.0 V	-200.0 V	-90 V
5/23/2024 10:25:13	0.0 V	-200.0 V	-90 V
5/22/2024 09:45:06	0.0 V	-200.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
5/21/2024 09:06:58	0.0 V	-200.0 V	-90 V
5/21/2024 08:01:17	0.0 V	-200.0 V	-100 V
5/20/2024 17:22:27	0.0 V	-200.0 V	-100 V
5/20/2024 17:18:56	0.0 V	-200.0 V	-100 V
5/20/2024 09:20:56	0.0 V	-200.0 V	-100 V
5/17/2024 09:12:39	0.0 V	-200.0 V	-100 V
5/16/2024 08:56:23	0.0 V	-200.0 V	-100 V
5/15/2024 09:38:13	0.0 V	-200.0 V	-100 V
5/15/2024 09:21:01	0.0 V	-190.0 V	-90 V
5/14/2024 09:41:16	0.0 V	-190.0 V	-90 V
5/14/2024 09:04:40	0.0 V	-190.0 V	-90 V
5/13/2024 09:04:44	0.0 V	-190.0 V	-90 V
5/10/2024 08:57:17	0.0 V	-190.0 V	-90 V
5/9/2024 09:06:46	0.0 V	-190.0 V	-90 V
5/9/2024 08:50:21	0.0 V	-190.0 V	-90 V
5/9/2024 08:44:20	0.0 V	-190.0 V	-90 V
5/8/2024 09:39:10	0.0 V	-190.0 V	-90 V
5/7/2024 17:05:39	0.0 V	-195.0 V	-100 V
5/7/2024 16:48:43	0.0 V	-195.0 V	-100 V
5/7/2024 09:19:24	0.0 V	-195.0 V	-100 V
5/6/2024 09:15:59	0.0 V	-195.0 V	-100 V
5/6/2024 09:03:10	0.0 V	-195.0 V	-100 V
5/3/2024 09:11:06	0.0 V	-195.0 V	-100 V
5/2/2024 09:48:24	0.0 V	-190.0 V	-100 V
5/1/2024 09:22:54	0.0 V	-185.0 V	-100 V
4/30/2024 10:43:56	0.0 V	-185.0 V	-100 V
4/30/2024 08:17:01	0.0 V	-185.0 V	-100 V
4/29/2024 09:10:57	0.0 V	-185.0 V	-100 V
4/29/2024 08:57:45	0.0 V	-185.0 V	-100 V
4/26/2024 08:09:31	0.0 V	-185.0 V	-100 V
4/25/2024 09:37:51	0.0 V	-185.0 V	-100 V
4/24/2024 09:17:24	0.0 V	-195.0 V	-100 V
4/23/2024 22:46:11	0.0 V	-195.0 V	-100 V
4/23/2024 09:01:59	0.0 V	-195.0 V	-100 V
4/22/2024 10:16:34	0.0 V	-195.0 V	-100 V
4/19/2024 10:59:00	0.0 V	-200.0 V	-100 V
4/19/2024 10:07:48	0.0 V	-200.0 V	-110 V
4/19/2024 09:10:32	0.0 V	-180.0 V	-100 V
4/18/2024 09:24:23	0.0 V	-180.0 V	-100 V
4/17/2024 17:03:53	0.0 V	-180.0 V	-100 V
4/17/2024 16:22:27	0.0 V	-180.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
4/17/2024 09:09:54	0.0 V	-180.0 V	-100 V
4/16/2024 09:06:44	0.0 V	-200.0 V	-100 V
4/15/2024 09:14:49	0.0 V	-200.0 V	-100 V
4/12/2024 08:28:21	0.0 V	-200.0 V	-100 V
4/11/2024 08:35:01	0.0 V	-200.0 V	-100 V
4/10/2024 09:48:58	0.0 V	-195.0 V	-100 V
4/9/2024 08:56:49	0.0 V	-195.0 V	-100 V
4/8/2024 09:25:48	0.0 V	-195.0 V	-100 V
4/5/2024 08:28:47	0.0 V	-195.0 V	-100 V
4/4/2024 11:00:01	0.0 V	-190.0 V	-90 V
4/4/2024 10:45:12	0.0 V	-200.0 V	-90 V
4/3/2024 08:29:42	0.0 V	-200.0 V	-90 V
4/2/2024 09:43:44	0.0 V	-195.0 V	-90 V
4/1/2024 09:27:15	0.0 V	-195.0 V	-90 V
3/29/2024 08:53:28	0.0 V	-195.0 V	-90 V
3/28/2024 09:08:20	0.0 V	-195.0 V	-90 V
3/27/2024 16:48:32	0.0 V	-195.0 V	-90 V
3/27/2024 10:07:18	0.0 V	-195.0 V	-90 V
3/27/2024 08:49:30	0.0 V	-195.0 V	-90 V
3/26/2024 10:28:06	0.0 V	-195.0 V	-90 V
3/25/2024 10:10:30	0.0 V	-200.0 V	-100 V
3/22/2024 09:00:45	0.0 V	-190.0 V	-100 V
3/21/2024 08:44:31	0.0 V	-190.0 V	-100 V
3/20/2024 09:03:42	0.0 V	-190.0 V	-100 V
3/19/2024 13:23:15	0.0 V	-190.0 V	-100 V
3/19/2024 09:31:32	0.0 V	-190.0 V	-100 V
3/18/2024 10:47:35	0.0 V	-190.0 V	-100 V
3/15/2024 09:19:25	0.0 V	-200.0 V	-90 V
3/14/2024 09:13:05	0.0 V	-200.0 V	-90 V
3/13/2024 09:22:30	0.0 V	-200.0 V	-90 V
3/12/2024 09:10:39	0.0 V	-200.0 V	-90 V
3/11/2024 11:07:32	0.0 V	-200.0 V	-90 V
3/11/2024 09:31:05	0.0 V	-195.0 V	-100 V
3/11/2024 09:27:33	0.0 V	-195.0 V	-100 V
3/8/2024 08:29:13	0.0 V	-200.0 V	-100 V
3/7/2024 17:46:09	0.0 V	-200.0 V	-100 V
3/7/2024 13:19:13	0.0 V	-200.0 V	-100 V
3/7/2024 09:28:32	0.0 V	-200.0 V	-100 V
3/7/2024 09:11:32	0.0 V	-200.0 V	-100 V
3/7/2024 09:01:08	0.0 V	-200.0 V	-100 V
3/6/2024 10:19:40	0.0 V	-200.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
3/5/2024 10:15:16	0.0 V	-200.0 V	-100 V
3/5/2024 10:09:01	0.0 V	-200.0 V	-100 V
3/4/2024 11:41:00	0.0 V	-200.0 V	-100 V
3/4/2024 11:28:21	0.0 V	-200.0 V	-100 V
3/1/2024 08:43:28	0.0 V	-200.0 V	-120 V
2/29/2024 10:38:23	0.0 V	-200.0 V	-120 V
2/29/2024 10:00:25	0.0 V	-160.0 V	-110 V
2/29/2024 09:54:15	0.0 V	-160.0 V	-110 V
2/28/2024 09:32:01	0.0 V	-200.0 V	-100 V
2/27/2024 09:16:47	0.0 V	-200.0 V	-100 V
2/26/2024 10:30:35	0.0 V	-200.0 V	-100 V
2/26/2024 10:00:21	0.0 V	-200.0 V	-110 V
2/23/2024 09:07:38	0.0 V	-200.0 V	-110 V
2/22/2024 08:58:48	0.0 V	-200.0 V	-110 V
2/21/2024 09:51:13	0.0 V	-200.0 V	-110 V
2/20/2024 09:59:52	0.0 V	-200.0 V	-110 V
2/19/2024 11:30:32	0.0 V	-200.0 V	-110 V
2/19/2024 11:27:00	0.0 V	-200.0 V	-110 V
2/19/2024 10:16:07	0.0 V	-200.0 V	-120 V
2/16/2024 10:28:26	0.0 V	-200.0 V	-120 V
2/15/2024 09:20:58	0.0 V	-200.0 V	-120 V
2/14/2024 09:20:12	0.0 V	-200.0 V	-120 V
2/13/2024 10:44:41	0.0 V	-200.0 V	-120 V
2/13/2024 10:29:18	0.0 V	-200.0 V	-120 V
2/12/2024 11:24:46	0.0 V	-200.0 V	-120 V
2/12/2024 11:09:08	0.0 V	-175.0 V	-120 V
2/12/2024 10:33:45	0.0 V	-175.0 V	-120 V
2/12/2024 10:19:52	0.0 V	-175.0 V	-120 V
2/12/2024 10:03:02	0.0 V	-200.0 V	-100 V
2/9/2024 09:43:26	0.0 V	-200.0 V	-100 V
2/8/2024 09:41:08	0.0 V	-200.0 V	-100 V
2/7/2024 09:08:34	0.0 V	-200.0 V	-100 V
2/6/2024 10:08:14	0.0 V	-200.0 V	-100 V
2/5/2024 16:27:35	0.0 V	-200.0 V	-120 V
2/2/2024 09:52:22	0.0 V	-200.0 V	-90 V
2/1/2024 09:29:20	0.0 V	-200.0 V	-90 V
1/31/2024 11:01:25	0.0 V	-200.0 V	-90 V
1/31/2024 10:56:52	0.0 V	-200.0 V	-90 V
1/30/2024 09:04:33	0.0 V	-200.0 V	-90 V
1/29/2024 09:09:33	0.0 V	-200.0 V	-90 V
1/26/2024 10:08:59	0.0 V	-200.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
1/25/2024 09:54:25	0.0 V	-200.0 V	-90 V
1/24/2024 08:52:40	0.0 V	-200.0 V	-90 V
1/23/2024 11:08:41	0.0 V	-200.0 V	-90 V
1/22/2024 09:17:23	0.0 V	-200.0 V	-90 V
1/22/2024 09:06:26	0.0 V	-200.0 V	-100 V
1/19/2024 09:01:45	0.0 V	-200.0 V	-100 V
1/18/2024 10:29:20	0.0 V	-200.0 V	-100 V
1/17/2024 08:52:45	0.0 V	-200.0 V	-100 V
1/16/2024 14:09:54	0.0 V	-200.0 V	-100 V
1/16/2024 13:58:35	0.0 V	-200.0 V	-100 V
1/16/2024 13:45:11	0.0 V	-200.0 V	-100 V
1/15/2024 13:03:28	0.0 V	-200.0 V	-120 V
1/15/2024 10:46:25	0.0 V	-200.0 V	-120 V
1/15/2024 10:34:05	0.0 V	-200.0 V	-120 V
1/15/2024 10:25:28	0.0 V	-200.0 V	-120 V
1/15/2024 09:48:32	0.0 V	-200.0 V	-120 V
1/15/2024 09:32:45	0.0 V	-200.0 V	-120 V
1/11/2024 14:10:39	0.0 V	-200.0 V	-120 V
1/11/2024 14:00:32	0.0 V	-200.0 V	-120 V
1/11/2024 13:07:14	0.0 V	-200.0 V	-120 V
1/11/2024 12:18:32	0.0 V	-200.0 V	-120 V
1/11/2024 10:36:51	0.0 V	-200.0 V	-120 V
1/11/2024 10:28:26	0.0 V	-185.0 V	-110 V
1/11/2024 09:11:58	0.0 V	-155.0 V	-100 V
1/11/2024 09:02:27	0.0 V	-150.0 V	-80 V
1/11/2024 08:54:00	0.0 V	-150.0 V	-80 V
1/10/2024 09:10:40	0.0 V	-200.0 V	-90 V
1/9/2024 12:58:05	0.0 V	-200.0 V	-120 V
1/9/2024 12:49:35	0.0 V	-200.0 V	-120 V
1/9/2024 12:37:33	0.0 V	-165.0 V	-100 V
1/9/2024 12:22:55	0.0 V	-165.0 V	-100 V
1/9/2024 12:00:03	0.0 V	-165.0 V	-100 V
1/9/2024 11:54:42	0.0 V	-165.0 V	-100 V
1/9/2024 11:45:17	0.0 V	-165.0 V	-100 V
1/9/2024 11:40:53	0.0 V	-165.0 V	-100 V
1/9/2024 11:25:08	0.0 V	-165.0 V	-100 V
1/9/2024 11:20:04	0.0 V	-165.0 V	-100 V
1/8/2024 13:49:37	0.0 V	-200.0 V	-100 V
1/8/2024 12:34:48	0.0 V	-140.0 V	-80 V
1/8/2024 12:30:18	0.0 V	-140.0 V	-80 V
1/5/2024 09:35:49	0.0 V	-180.0 V	-80 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
1/4/2024 09:13:21	0.0 V	-170.0 V	-80 V
1/4/2024 09:00:57	0.0 V	-160.0 V	-80 V
1/3/2024 08:46:17	0.0 V	-200.0 V	-100 V
1/2/2024 11:16:48	0.0 V	-200.0 V	-90 V
1/2/2024 10:38:17	0.0 V	-200.0 V	-100 V
12/29/2023 10:12:49	0.0 V	-200.0 V	-100 V
12/28/2023 08:59:35	0.0 V	-200.0 V	-90 V
12/27/2023 12:20:02	0.0 V	-200.0 V	-90 V
12/27/2023 11:34:32	0.0 V	-200.0 V	-90 V
12/27/2023 10:51:04	0.0 V	-200.0 V	-90 V
12/27/2023 10:41:08	0.0 V	-200.0 V	-90 V
12/27/2023 10:33:50	0.0 V	-200.0 V	-90 V
12/27/2023 10:28:28	0.0 V	-200.0 V	-90 V
12/22/2023 07:49:52	0.0 V	-195.0 V	-90 V
12/21/2023 08:44:43	0.0 V	-200.0 V	-90 V
12/20/2023 09:26:41	0.0 V	-200.0 V	-100 V
12/19/2023 09:55:37	0.0 V	-200.0 V	-100 V
12/18/2023 10:16:18	0.0 V	-200.0 V	-100 V
12/18/2023 10:06:38	0.0 V	-185.0 V	-90 V
12/18/2023 10:00:26	0.0 V	-185.0 V	-90 V
12/15/2023 09:45:55	0.0 V	-200.0 V	-90 V
12/14/2023 10:23:15	0.0 V	-200.0 V	-90 V
12/13/2023 10:17:40	0.0 V	-200.0 V	-90 V
12/12/2023 09:56:00	0.0 V	-200.0 V	-90 V
12/11/2023 10:31:48	0.0 V	-200.0 V	-90 V
12/8/2023 10:10:39	0.0 V	-200.0 V	-100 V
12/7/2023 09:51:50	0.0 V	-190.0 V	-80 V
12/6/2023 10:12:37	0.0 V	-200.0 V	-100 V
12/5/2023 10:02:14	0.0 V	-200.0 V	-80 V
12/4/2023 12:08:53	0.0 V	-180.0 V	-90 V
12/4/2023 11:24:17	0.0 V	-145.0 V	-70 V
12/4/2023 11:20:06	0.0 V	-145.0 V	-70 V
12/4/2023 11:16:06	0.0 V	-145.0 V	-70 V
12/4/2023 10:23:39	0.0 V	-145.0 V	-70 V
12/4/2023 10:16:55	0.0 V	-170.0 V	-90 V
12/4/2023 10:09:27	0.0 V	-145.0 V	-70 V
12/1/2023 09:45:19	0.0 V	-155.0 V	-80 V
11/30/2023 11:48:17	0.0 V	-155.0 V	-80 V
11/30/2023 11:13:01	0.0 V	-150.0 V	-80 V
11/30/2023 11:05:44	0.0 V	-160.0 V	-90 V
11/30/2023 10:33:46	0.0 V	-170.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
11/29/2023 10:04:26	0.0 V	-195.0 V	-100 V
11/29/2023 09:51:22	0.0 V	-190.0 V	-80 V
11/28/2023 12:50:37	0.0 V	-200.0 V	-80 V
11/28/2023 12:18:55	0.0 V	-175.0 V	-80 V
11/28/2023 12:15:04	0.0 V	-175.0 V	-80 V
11/28/2023 11:49:24	0.0 V	-170.0 V	-80 V
11/28/2023 10:22:53	0.0 V	-165.0 V	-80 V
11/28/2023 10:19:03	0.0 V	-165.0 V	-80 V
11/28/2023 10:15:20	0.0 V	-165.0 V	-80 V
11/28/2023 09:59:37	0.0 V	-170.0 V	-70 V
11/27/2023 10:28:48	0.0 V	-165.0 V	-80 V
11/27/2023 10:07:16	0.0 V	-185.0 V	-100 V
11/27/2023 10:01:25	0.0 V	-185.0 V	-100 V
11/27/2023 09:52:06	0.0 V	-185.0 V	-100 V
11/22/2023 09:50:47	0.0 V	-155.0 V	-80 V
11/21/2023 09:52:05	0.0 V	-155.0 V	-80 V
11/20/2023 09:38:08	0.0 V	-150.0 V	-80 V
11/17/2023 10:07:38	0.0 V	-175.0 V	-90 V
11/16/2023 09:42:56	0.0 V	-180.0 V	-90 V
11/15/2023 13:01:45	0.0 V	-170.0 V	-90 V
11/15/2023 12:33:52	0.0 V	-175.0 V	-90 V
11/15/2023 12:27:35	0.0 V	-175.0 V	-90 V
11/15/2023 12:17:35	0.0 V	-175.0 V	-90 V
11/15/2023 12:09:42	0.0 V	-170.0 V	-90 V
11/15/2023 10:39:09	0.0 V	-175.0 V	-90 V
11/14/2023 10:25:03	0.0 V	-200.0 V	-90 V
11/13/2023 09:42:07	0.0 V	-200.0 V	-90 V
11/10/2023 09:15:37	0.0 V	-200.0 V	-90 V
11/9/2023 09:55:52	0.0 V	-200.0 V	-90 V
11/8/2023 09:55:56	0.0 V	-200.0 V	-100 V
11/7/2023 10:07:52	0.0 V	-200.0 V	-120 V
11/7/2023 10:01:12	0.0 V	-195.0 V	-90 V
11/7/2023 09:55:11	0.0 V	-195.0 V	-90 V
11/6/2023 10:21:52	0.0 V	-200.0 V	-100 V
11/3/2023 09:44:39	0.0 V	-200.0 V	-120 V
11/2/2023 09:56:11	0.0 V	-200.0 V	-90 V
11/1/2023 09:41:33	0.0 V	-195.0 V	-90 V

US EPA Tune Check Report

Operator Name	ICPMS
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\250225ME.b
Acq. Date-Time	2/25/2025 09:48:26
Report Comment	---
Instrument Name	G8422A SG22151236

[No Gas]

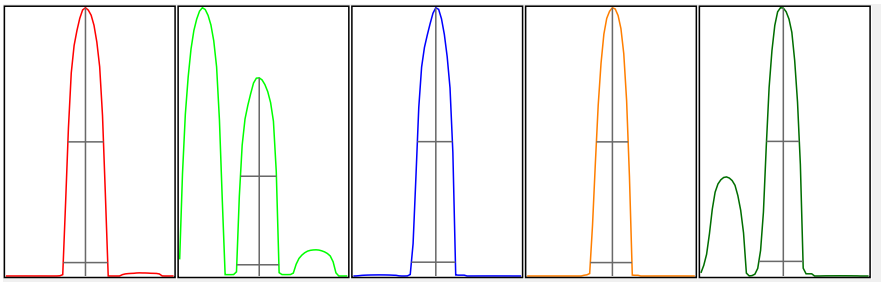
Sensitivity

Mass	Conc. [ug/L]	Count	CPS	RSD%	RSD% (Required)	RSD% (Flag)
9	10.00	15286	152861.95	0.166	5.000	
24	10.00	65061	650614.77	0.665	5.000	
59	10.00	182114	1821138.00	0.330	5.000	
115	10.00	231810	2318104.24	0.637	5.000	
208	10.00	86681	866814.02	0.639	5.000	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	15256	15308	15312	15264	15291
24	65165	64474	65080	65672	64917
59	182880	182563	181967	181395	181764
115	234216	231579	230263	231872	231122
208	86729	86506	86011	86619	87542

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	25704.38	8.95	8.90 - 9.10	
24	108348.04	23.95	23.90 - 24.10	
59	314829.02	59.00	58.90 - 59.10	
115	429847.55	115.05	114.90 - 115.10	
208	154454.22	208.00	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.63	0.783	0.900	
24	0.63	0.741	0.900	
59	0.62	0.775	0.900	
115	0.56	0.732	0.900	
208	0.58	0.777	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	157.399999999999
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.05 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.7 V	Deflect	13.2 V
Extract 2	-185.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-95 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9992	QP Bias	-3.0 V
Mass Offset	125	Axis Offset	0.04		

Hardware Settings

Torch

Torch H	0.3 mm	Torch V	0.4 mm

EM

Discriminator	3.1 mV	Analog HV	2211 V	Pulse HV	1788 V

[H2]

Sensitivity

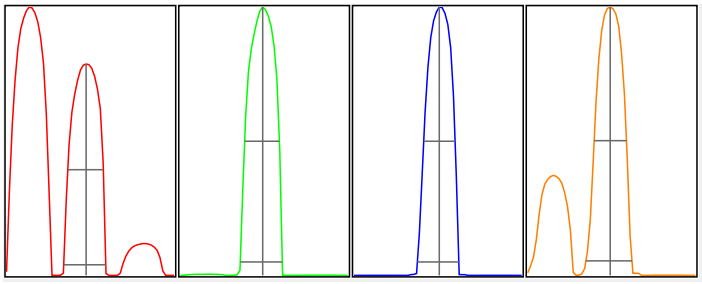
Mass	Conc. [ug/L]	Count	CPS	RSD%	RSD% (Required)	RSD% (Flag)
24	10.00	13806	138058.19	1.349	5.000	
59	10.00	32280	322800.78	1.284	5.000	
115	10.00	321363	3213633.63	1.541	5.000	
208	10.00	127028	1270275.48	0.367	5.000	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
24	13579	13707	13761	13935	14048
59	31652	32278	32186	32538	32746
115	314805	317951	322060	325915	326085
208	127391	127069	126751	126393	127533

Integration Time [sec]	0.1

Resolution/Axis

US EPA Tune Check Report



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
24	23233.28	23.95	23.90 - 24.10	
59	56000.48	59.00	58.90 - 59.10	
115	601875.69	115.05	114.90 - 115.10	
208	228845.54	208.00	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
24	0.63	0.740	0.900	
59	0.61	0.740	0.900	
115	0.55	0.729	0.900	
208	0.57	0.811	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	125.92
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.05 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.1 V	Deflect	0.6 V
Extract 2	-200.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-105 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	3.0 V
He Flow	0.0 mL/min	OctP Bias	-18.0 V		
H2 Flow	5.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9992	QP Bias	-15.0 V
Mass Offset	125	Axis Offset	0.04		

Hardware Settings

Torch

Torch H	0.3 mm	Torch V	0.4 mm

EM

Discriminator	3.1 mV	Analog HV	2211 V	Pulse HV	1788 V

US EPA Tune Check Report

[He]

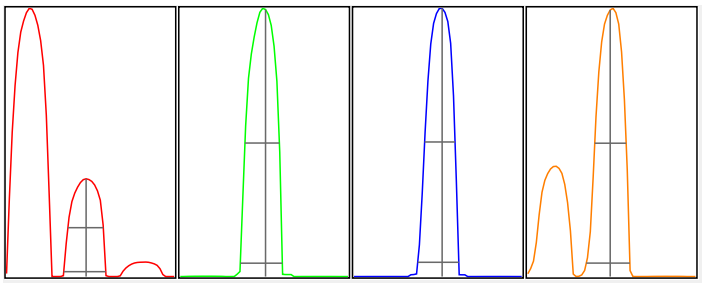
Sensitivity

Mass	Conc. [ug/L]	Count	CPS	RSD%	RSD% (Required)	RSD% (Flag)
24	10.00	5410	54102.98	0.888	5.000	
59	10.00	102985	1029852.80	0.359	5.000	
115	10.00	119783	1197825.19	0.247	5.000	
208	10.00	58793	587930.76	0.848	5.000	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
24	5465	5416	5420	5417	5333
59	103573	103132	102720	102757	102745
115	120072	119996	119387	119556	119902
208	59341	58425	58183	58791	59224

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
24	9181.10	23.95	23.90 - 24.10	
59	178831.45	59.05	58.90 - 59.10	
115	228872.55	115.10	114.90 - 115.10	
208	108839.97	208.00	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
24	0.62	0.740	0.900	
59	0.61	0.740	0.900	
115	0.53	0.723	0.900	
208	0.55	0.767	0.900	

Integration Time [sec] 0.1
Acquisition Time [sec] 125.92
Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.05 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.6 V	Deflect	-0.6 V

US EPA Tune Check Report

Extract 2	-200.0 V	Cell Entrance	-40 V	Plate Bias	-55 V
Omega Bias	-95 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	3.0 V
He Flow	4.3 mL/min	OctP Bias	-18.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9992	QP Bias	-15.0 V
Mass Offset	125	Axis Offset	0.04		

Hardware Settings

Torch

Torch H	0.3 mm	Torch V	0.4 mm

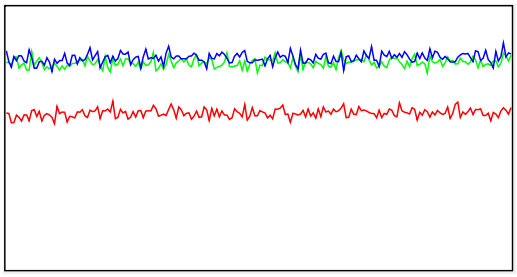
EM

Discriminator	3.1 mV	Analog HV	2211 V	Pulse HV	1788 V

Performance Report

Operator Name	ICPMS
Acq. Date-Time	2/25/2025 09:32:16
Instrument Name	G8422A SG22151236
Sample Introduction	PeriPump
Nebulizer Type	MicroMist
Ion Lens Model	x-Lens
Tune Parameters	Standard Tune

Sensitivity



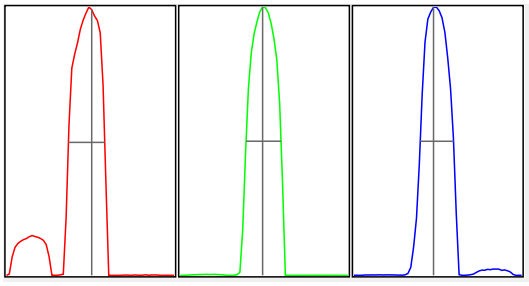
Mass	Range	Count	RSD%	Background
7	5000	2979	2.718	2.500
89	20000	15752	2.144	1.250
205	10000	8062	2.328	7.700

Sampling Period [sec]	0.311
Integration Time [sec]	0.1

Oxide/Doubly Charged Ratio

Oxide	156 / 140 0.933 %
Doubly Charged	70 / 140 1.414 %

Resolution/Axis



Mass	Peak Height	Axis	W-50%	W-10%
7	3000.26	7.05	0.64	0.76
89	15686.40	89.00	0.61	0.76
205	8151.84	204.95	0.59	0.78

Integration Time [sec]	0.1
Acquisition Time [sec]	22.74

Tune Parameters

Plasma Parameters

RF Power	1550 W	Option Gas	---	Makeup Gas	0.00 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Auxiliary Gas	0.90 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C	Plasma Gas	15.0 L/min
Nebulizer Gas	1.05 L/min				

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.2 V	Deflect	13.6 V
Extract 2	-200.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-90 V	Cell Exit	-50 V		

Performance Report

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

QP Bias	-3.0 V

Hardware Settings

Torch

Torch H	0.3 mm	Torch H (Hot)	---	Torch H (Cool)	---
Torch V	0.4 mm	Torch V (Hot)	---	Torch V (Cool)	---

Plasma Correction

Nebulizer Gas Offset	0.00 L/min	Makeup Gas (Hot)	---	Makeup Gas (Cool)	---
		Sample Depth (Hot)	---		

Resolution/Axis

Mass Gain	123	Axis Gain	0.9992		
Mass Offset	125	Axis Offset	0.04		

EM

Discriminator	3.1 mV	Analog HV	2211 V	Pulse HV	1788 V

Performance Report

Meter

Name	Value	Unit
Nebulizer Gas	1.05	L/min
MU./Dil. Gas	0.00	L/min
Plasma Gas	14.99	L/min
Aux Gas	0.90	L/min
Ar Gas Tank Press	5.59E+2	kPa
+5V (Press Gage)	5.0	V
Ar AMFC Temp	26.6	°C
Nebulizer Gas(DP)	5.25E+0	kPa
MU./Dil. Gas(DP)	-2.32E-1	kPa
Aux Gas(DP)	1.06E+1	kPa
Plasma Gas(DP)	1.16E+1	kPa
Nebulizer Gas(BP)	3.20E+2	kPa
MU./Dil. Gas(BP)	0.00E+0	kPa
Aux Gas(BP)	5.93E+1	kPa
Plasma Gas(BP)	4.27E+1	kPa
S/C Temp (H)	21.0	°C
S/C Temp (L)	2.0	°C
Peltier Voltage	3.5	V
IF/BK Press	2.57E+2	Pa
Analyzer Press	5.68E-5	Pa
IG HV	178	V
IG Emission	4.97	µA
TMP Revolution	100.0	%
TMP Rev (Raw)	100.7	%
TMP Current	3.00	A
PWR AMP Drain I	0.4	A
PWR AMP Bias	4.02	V
OctP RF (Avg)	203.1	V
OctP RF Set	3.9	V
OctP FET Bias Set	3.95	V
OctP RF(+)	177.8	V
OctP RF(-)	226.7	V
OctP Bias	-7.9	V
Cell Temp.	65.0	°C
Cell Heater Volt.	4.3	V
+U Voltage	5.5	V

Name	Value	Unit
-U Voltage	-11.8	V
V Voltage	31.6	V
QPRF Fader	0.0	V
Pickup Temp	55.0	°C
PWR Amp Temp	0.1	V
+600V	619.6	V
-120V	-132.9	V
-720V	-741.7	V
Prefilter Bias	-5.05	V
Pickup Heater I	0.10	A
QP PS +48V	47.6	V
QP PS +48V I	0.00	A
Analog HV	-2214	V
Pulse HV	1799	V
EM Gate	98.4	V
Pulse Gate	4.4	V
EM Entrance	0.1	V
EM HV Gain	-835.7	V
Inner Pole	-300.0	V
Outer Pole	19.9	V
Analog -5V	-5.1	V
Analog +15V	14.5	V
Analog -15V	-14.4	V
Analog +5V	5.2	V
Shunt C Pos	1.5	V
Drain Volt.(max)	60.1	V
RF PS +48V	47.1	V
Forward Power	1551	W
Reflected Power	3	W
Plasma Freq.	27.04	MHz
Drain I 1	11.63	A
Drain I 2	10.55	A
Drain I 3	10.89	A
Drain I 4	11.46	A
Temp Sensor	2.8	V
Driver I	6.07	A

Name	Value	Unit
Igniter	0.0	V
Driver Voltage Set	6.9	V
Unbalance Current	0.35	A
PWM Threshold Set	0.2	V
Driver Voltage	5.6	V
PWM Threshold	0.2	V
Phase Detector	0.0	mV
H2 Gas	0.00	mL/min
He Gas	0.11	mL/min
H2 Gas Press	1.70E+2	kPa
He Gas Press	0.00E+0	kPa
ORS AMFC Temp	28.5	°C
Atmospheric Press	1.01E+2	kPa
Extract 1	0.0	V
Extract 2	-199.9	V
Omega Bias	-90.0	V
Omega Lens	9.4	V
Cell Entrance	-30.0	V
Cell Exit	-50.0	V
Deflect	13.7	V
Plate Bias	-35.0	V
HV+530V	532	V
HV+240V	238	V
HV-360V	-360	V
Inlet Temp	23.3	°C
Internal Temp	30.5	°C
+24V	23.7	V
Water Temp	22.3	°C
Water RF/WC/IF	1.50	L/min
AVS Pump Speed	0.0	%
Valve Position		
Tune/ISTD Valve		

Performance Report History

Sensitivity

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
2/25/2025 09:32:16	2979	15752	8062
2/24/2025 08:59:48	2574	14585	7989
2/21/2025 09:28:39	3370	14882	7104
2/21/2025 09:20:37	3168	14132	5587
2/20/2025 12:51:01	3707	16019	7670
2/20/2025 09:19:24	2397	8615	8442
2/19/2025 09:22:52	2429	8457	8477
2/19/2025 09:04:54	1905	6435	6230
2/18/2025 09:15:33	2891	10659	10823
2/17/2025 09:55:54	2831	9719	9101
2/14/2025 09:06:42	2957	11480	11195
2/13/2025 09:06:19	3173	11579	10776
2/12/2025 09:11:47	2839	10719	10356
2/11/2025 09:24:44	3245	11165	9838
2/10/2025 09:25:20	2663	9070	8305
2/7/2025 09:21:57	2808	9379	7942
2/6/2025 13:15:34	3185	11388	7991
2/6/2025 09:18:48	2835	10422	7999
2/5/2025 10:18:25	2957	9726	6871
2/5/2025 09:31:26	3115	11951	8942
2/4/2025 09:10:01	3834	13795	10479
2/3/2025 10:57:55	3472	11525	11024
2/3/2025 09:46:21	3702	12486	12677
1/31/2025 13:24:01	3352	12178	10716
1/31/2025 12:15:33	2777	10133	6940
1/31/2025 11:41:22	2418	10017	7203
1/31/2025 11:25:27	1893	8284	5243
1/31/2025 10:55:25	2824	9569	5641
1/31/2025 08:50:57	3593	13352	9584
1/30/2025 09:05:36	3151	12437	9046
1/30/2025 08:35:38	1729	6076	4157
1/30/2025 08:04:37	1740	5479	3642
1/29/2025 10:06:45	3695	12409	8334
1/28/2025 09:55:51	3425	11819	7457
1/27/2025 08:25:00	3174	14160	11025
1/24/2025 10:20:31	3093	11428	8349
1/23/2025 08:29:42	3414	12719	11830
1/22/2025 08:50:52	3711	14077	11285
1/21/2025 08:39:26	3861	14387	10646
1/20/2025 09:29:22	4249	15439	12508
1/17/2025 09:22:21	3835	13197	11299

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/16/2025 09:06:18	4139	13519	11200
1/15/2025 10:11:23	3341	11320	10843
1/14/2025 08:44:58	2790	11557	10104
1/13/2025 08:22:52	3002	11793	9856
1/10/2025 08:58:48	2349	9875	9292
1/9/2025 08:55:30	2441	8391	7143
1/8/2025 11:02:55	2103	8566	6967
1/7/2025 08:57:51	3520	11717	11043
1/6/2025 09:05:42	3711	12625	11361
1/3/2025 08:51:46	4213	13349	11205
1/2/2025 09:10:35	3518	11719	10360
12/31/2024 08:51:35	4294	14290	11717
12/30/2024 08:28:40	3844	13259	12067
12/27/2024 08:18:16	2203	8152	7504
12/26/2024 08:44:40	2305	8074	7548
12/23/2024 08:06:00	2896	11248	10056
12/20/2024 08:54:14	2708	10979	10317
12/19/2024 09:15:38	2891	11587	9938
12/18/2024 13:25:48	2814	12318	10968
12/18/2024 09:44:44	2926	11559	9971
12/17/2024 18:43:32	2387	9657	7920
12/17/2024 09:21:23	3788	13104	11548
12/16/2024 09:07:17	3574	12722	12350
12/13/2024 09:34:40	3687	12653	12379
12/12/2024 10:16:55	3332	10093	9300
12/11/2024 08:42:50	3508	11162	9190
12/10/2024 08:46:49	3008	9295	7961
12/9/2024 13:01:13	3955	12706	11839
12/9/2024 10:36:11	3607	12063	11349
12/9/2024 10:28:15	3636	12275	11714
12/9/2024 10:22:08	3652	12377	11936
12/6/2024 08:11:53	2474	9473	7590
12/5/2024 07:45:15	2602	9113	7346
12/4/2024 08:35:28	2839	9667	7564
12/3/2024 09:38:46	3015	11193	9379
12/3/2024 09:10:25	2907	9157	7638
12/2/2024 09:48:14	2604	11442	9841
11/27/2024 09:18:02	3476	12162	11898
11/27/2024 08:40:33	3385	11944	12062
11/26/2024 07:52:41	3744	12035	11820
11/25/2024 10:52:38	3880	13207	12363

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/25/2024 08:43:09	2919	8152	7210
11/25/2024 08:31:48	2322	6799	6373
11/22/2024 06:29:21	4341	13631	11908
11/21/2024 10:07:26	4232	13850	11980
11/21/2024 09:58:26	4337	13867	11641
11/21/2024 09:53:21	4336	13943	11865
11/20/2024 08:50:13	3327	11963	9773
11/19/2024 09:07:39	2881	12066	10310
11/18/2024 09:11:09	3258	12805	10761
11/15/2024 09:02:37	2693	8707	6754
11/14/2024 09:56:47	3179	12036	10196
11/14/2024 09:44:41	2030	6528	5373
11/14/2024 09:39:59	2088	6876	5431
11/14/2024 09:21:41	2135	6090	4966
11/14/2024 09:16:53	2193	6427	5066
11/13/2024 10:17:19	2967	12322	10924
11/12/2024 08:42:23	2896	10156	8865
11/12/2024 08:34:20	2091	6271	5013
11/11/2024 09:46:29	2704	9103	8129
11/11/2024 09:31:26	1451	4130	3151
11/11/2024 09:09:19	1556	4381	3353
11/8/2024 09:40:41	3878	12850	11278
11/7/2024 12:08:43	2848	10226	8292
11/7/2024 12:03:35	2627	8637	6728
11/7/2024 11:08:15	3976	13810	11381
11/7/2024 10:32:04	3532	13174	11182
11/7/2024 10:13:44	3716	11909	8198
11/7/2024 09:49:05	3693	13084	12786
11/6/2024 08:55:41	3378	15088	11319
11/5/2024 09:02:15	3773	15490	10953
11/4/2024 09:59:50	3402	15159	11216
11/4/2024 09:42:34	1057	3669	2186
11/4/2024 09:13:54	2351	8941	5502
11/1/2024 08:59:46	3717	16612	11556
10/31/2024 09:14:27	3337	15432	11693
10/30/2024 16:33:14	3797	17300	11789
10/30/2024 11:25:36	3655	14542	11817
10/30/2024 10:54:46	2413	7307	5091
10/30/2024 09:09:15	2981	9609	6862
10/29/2024 11:26:39	3194	11766	9190
10/29/2024 10:54:54	3026	11294	9461

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
10/29/2024 09:36:05	2893	8670	6437
10/29/2024 09:04:30	2784	8761	6754
10/28/2024 12:26:28	3435	10521	7399
10/28/2024 09:57:52	3258	12158	9024
10/25/2024 13:22:08	3268	11240	9552
10/25/2024 13:09:08	2630	7875	5867
10/25/2024 10:35:56	3217	10194	8481
10/25/2024 09:26:45	2628	9694	7739
10/25/2024 09:03:40	2688	8459	5359
10/24/2024 17:10:08	3080	10118	10097
10/24/2024 11:19:48	3870	14779	11560
10/24/2024 08:53:34	4135	16022	12555
10/23/2024 08:59:04	4087	16614	13183
10/22/2024 09:55:36	3983	15001	13012
10/21/2024 09:31:04	4538	15014	12821
10/18/2024 09:37:11	4383	14724	11994
10/17/2024 09:00:58	3900	14698	13119
10/16/2024 11:21:27	4189	14816	12534
10/16/2024 09:02:59	3438	10582	8196
10/15/2024 10:12:35	3435	10846	9239
10/14/2024 08:46:09	3541	15986	12186
10/11/2024 08:49:47	3690	15862	11666
10/10/2024 08:52:01	3700	15402	11824
10/9/2024 08:27:16	3626	15774	12277
10/8/2024 10:52:55	2362	10542	7908
10/8/2024 09:47:42	3911	15304	12906
10/7/2024 10:47:10	3992	14955	12794
10/7/2024 09:10:56	3382	13538	12792
10/7/2024 08:55:15	2656	8709	7524
10/4/2024 09:16:15	3872	14221	12466
10/3/2024 09:27:44	3365	12368	10800
10/3/2024 08:49:43	2982	10090	8450
10/3/2024 08:29:02	2995	10810	8612
10/2/2024 11:08:13	3324	11671	10170
10/2/2024 08:39:41	3353	10241	7732
10/1/2024 10:14:04	3370	11872	10693
9/30/2024 08:49:31	3503	14869	12082
9/27/2024 08:14:47	4409	16282	11577
9/26/2024 08:09:12	3884	15616	12097
9/25/2024 09:11:08	3580	16691	12938
9/24/2024 09:35:48	4222	16263	13022

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
9/23/2024 09:00:30	3708	15742	12736
9/20/2024 09:05:28	3987	15551	12694
9/19/2024 09:00:53	4313	16809	12564
9/18/2024 11:34:33	4095	14853	12453
9/18/2024 09:06:37	4445	16590	12240
9/17/2024 12:16:40	4163	14965	13304
9/17/2024 10:09:01	4176	14949	13142
9/16/2024 09:06:13	3051	12572	8977
9/13/2024 16:50:14	4283	16184	11408
9/13/2024 08:54:29	4066	17163	12371
9/12/2024 08:56:53	4002	16732	12377
9/11/2024 09:06:29	2910	10224	6989
9/10/2024 09:46:13	3531	13275	10400
9/9/2024 08:47:13	3100	13781	11716
9/9/2024 08:34:46	2186	7930	5968
9/6/2024 08:58:38	3296	13115	10876
9/5/2024 08:40:15	3699	13907	11131
9/4/2024 08:38:45	3411	15290	10844
9/3/2024 12:05:58	3899	14950	9780
9/3/2024 11:05:58	4188	14542	9410
9/3/2024 08:41:14	4155	14456	9772
8/30/2024 08:41:51	4377	15431	12571
8/29/2024 17:44:51	3896	15116	12679
8/29/2024 10:01:21	3933	13845	12605
8/28/2024 08:40:35	3730	15164	11267
8/27/2024 08:32:46	3843	16710	10929
8/26/2024 10:42:47	3976	12882	10259
8/23/2024 09:05:16	3432	12892	9568
8/22/2024 08:43:54	3662	14009	10981
8/21/2024 08:04:13	3190	14776	11594
8/20/2024 09:20:37	4220	16080	10288
8/19/2024 10:25:21	3050	10181	8067
8/19/2024 09:17:03	3195	9903	8321
8/16/2024 08:56:38	3253	15296	12175
8/15/2024 08:28:01	3146	14138	12111
8/14/2024 08:24:41	3158	13973	11673
8/13/2024 08:51:41	3023	15070	13056
8/12/2024 09:10:43	3411	12432	11805
8/12/2024 08:57:52	1786	5237	5122
8/9/2024 11:39:50	3767	15758	13022
8/9/2024 10:08:20	12	1	3

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/8/2024 08:40:39	3024	12546	9719
8/7/2024 09:19:16	2917	12165	9488
8/6/2024 11:12:44	2859	11998	10016
8/6/2024 10:53:38	2232	10655	9558
8/5/2024 10:40:17	2691	10635	9226
8/5/2024 10:09:19	2125	6835	5664
8/5/2024 09:55:23	2365	7939	6556
8/2/2024 09:40:16	3340	11024	9295
8/2/2024 08:37:48	3505	10692	8586
8/1/2024 10:38:00	3758	12250	9330
8/1/2024 09:06:45	3389	10556	9761
7/31/2024 08:13:58	3039	11937	9529
7/30/2024 08:50:51	2533	10165	9332
7/29/2024 16:06:05	3222	12529	9934
7/29/2024 12:07:28	3037	11992	10136
7/29/2024 11:14:31	3174	12095	10013
7/29/2024 10:15:21	2846	11965	10483
7/26/2024 08:53:52	3203	12639	10549
7/25/2024 09:09:23	2585	8526	8080
7/24/2024 15:10:09	3079	9987	9009
7/24/2024 08:46:25	3148	11490	9796
7/23/2024 09:32:54	3357	11492	9580
7/22/2024 10:18:30	3442	12004	11023
7/19/2024 08:55:06	3486	11885	10185
7/18/2024 09:06:31	3257	9447	8888
7/17/2024 13:03:52	2495	9473	8373
7/17/2024 08:53:29	2867	10755	8619
7/16/2024 08:54:03	2886	10903	8985
7/15/2024 10:39:29	2656	10995	8921
7/15/2024 10:30:38	103	5	6
7/15/2024 10:13:57	1404	5260	4224
7/15/2024 09:02:48	3268	12919	10156
7/12/2024 08:34:22	2706	11570	8940
7/11/2024 09:57:22	2727	11970	8459
7/10/2024 08:53:17	2246	9073	7312
7/9/2024 11:54:06	3038	12303	9808
7/9/2024 11:32:31	2139	7705	5834
7/9/2024 11:26:38	2090	7758	5904
7/9/2024 10:39:16	3437	12816	9591
7/9/2024 09:17:46	2577	11478	8879
7/9/2024 08:57:06	3286	13034	8974

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
7/8/2024 09:21:55	3166	12745	9642
7/8/2024 09:16:31	3066	12665	9668
7/5/2024 09:03:10	3288	13628	11266
7/3/2024 13:05:52	3539	13046	10137
7/3/2024 11:25:40	3213	12344	9957
7/3/2024 09:13:37	3169	12570	10423
7/3/2024 08:44:49	2051	12221	9873
7/2/2024 10:26:17	2328	11750	10360
7/2/2024 08:58:12	3072	10344	9707
7/1/2024 14:16:19	3282	10802	9231
7/1/2024 10:01:10	3288	12796	10476
6/28/2024 08:25:22	3484	12596	10301
6/27/2024 08:34:14	3474	12721	10120
6/27/2024 08:11:22	1666	11338	9258
6/26/2024 07:54:24	2501	8288	8428
6/25/2024 09:02:17	2627	12790	10975
6/24/2024 09:30:27	2976	12050	10056
6/21/2024 08:55:34	3096	13175	9957
6/21/2024 08:22:44	1280	11401	9041
6/20/2024 09:00:43	2564	9588	8694
6/19/2024 07:51:31	2980	11922	9704
6/18/2024 07:52:20	3296	11922	9824
6/17/2024 08:58:45	3009	9463	9003
6/14/2024 08:44:27	2879	12214	10357
6/13/2024 08:42:30	3176	12682	10526
6/12/2024 09:03:47	2996	12633	11312
6/11/2024 08:44:40	3492	13252	10118
6/10/2024 09:31:51	4111	13060	10421
6/10/2024 09:17:04	3508	11070	8441
6/10/2024 09:10:07	3930	12555	9564
6/7/2024 09:02:38	3417	11597	7618
6/6/2024 15:20:20	2950	9649	8247
6/6/2024 05:03:01	3480	13184	11025
6/6/2024 04:59:28	3438	13257	11014
6/5/2024 08:30:26	3575	12412	10789
6/4/2024 08:52:51	3401	12310	11419
6/4/2024 08:39:35	2814	11768	10904
6/4/2024 08:33:37	3060	12687	11246
6/3/2024 10:10:17	3272	10175	10494
6/3/2024 09:51:43	1907	6599	4712
6/3/2024 09:44:54	2209	7627	5199

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
6/3/2024 09:30:49	3299	9738	9247
5/31/2024 08:42:32	3301	13328	10713
5/30/2024 09:08:46	3406	13401	10419
5/29/2024 09:04:40	3587	13162	10590
5/29/2024 08:48:40	1739	11664	8844
5/29/2024 08:44:08	1858	12854	9297
5/28/2024 09:34:37	3138	12513	10682
5/24/2024 07:20:01	3325	12857	11044
5/23/2024 10:25:13	3407	12821	11140
5/22/2024 09:45:06	3583	12763	11601
5/21/2024 09:06:58	3752	13803	11837
5/21/2024 08:01:17	3966	14413	11053
5/20/2024 17:22:27	3645	10846	9662
5/20/2024 17:18:56	3613	10801	9645
5/20/2024 09:20:56	3333	12566	10681
5/17/2024 09:12:39	3467	13701	10660
5/16/2024 08:56:23	3599	13565	10699
5/15/2024 09:38:13	3581	13159	10227
5/15/2024 09:21:01	1917	11948	9850
5/14/2024 09:41:16	3346	12368	10966
5/14/2024 09:04:40	3206	11414	12297
5/13/2024 09:04:44	2639	15138	12300
5/10/2024 08:57:17	2178	13865	10279
5/9/2024 09:06:46	2313	13292	10727
5/9/2024 08:50:21	1763	12142	9522
5/9/2024 08:44:20	1789	12171	9682
5/8/2024 09:39:10	3313	11092	11044
5/7/2024 17:05:39	3463	13115	10886
5/7/2024 16:48:43	3264	12073	10628
5/7/2024 09:19:24	3347	12706	11167
5/6/2024 09:15:59	3892	14499	12724
5/6/2024 09:03:10	3843	14665	13481
5/3/2024 09:11:06	3540	13100	11548
5/2/2024 09:48:24	3670	12233	11836
5/1/2024 09:22:54	4036	13686	11251
4/30/2024 10:43:56	4361	13605	11359
4/30/2024 08:17:01	4350	13793	11664
4/29/2024 09:10:57	4751	14089	11140
4/29/2024 08:57:45	3329	9292	6892
4/26/2024 08:09:31	5054	14978	10788
4/25/2024 09:37:51	4308	13902	11794

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
4/24/2024 09:17:24	4876	17662	12102
4/23/2024 22:46:11	4199	16180	12059
4/23/2024 09:01:59	3715	15592	11876
4/22/2024 10:16:34	4292	15978	13578
4/19/2024 10:59:00	3974	16385	11540
4/19/2024 10:07:48	2645	8439	3189
4/19/2024 09:10:32	360162	657303	2022720
4/18/2024 09:24:23	3369	17060	12485
4/17/2024 17:03:53	2828	16000	10229
4/17/2024 16:22:27	2262	14213	9009
4/17/2024 09:09:54	3608	12353	11595
4/16/2024 09:06:44	4046	14969	11814
4/15/2024 09:14:49	4139	16052	12083
4/12/2024 08:28:21	4666	17208	13280
4/11/2024 08:35:01	4138	17113	13613
4/10/2024 09:48:58	4018	16844	14484
4/9/2024 08:56:49	3881	15432	13181
4/8/2024 09:25:48	4035	16790	14224
4/5/2024 08:28:47	3893	17251	13416
4/4/2024 11:00:01	2778	10338	7494
4/4/2024 10:45:12	4028	16465	14158
4/3/2024 08:29:42	3630	16640	12452
4/2/2024 09:43:44	3046	17903	13815
4/1/2024 09:27:15	3194	17804	13701
3/29/2024 08:53:28	2520	17006	12384
3/28/2024 09:08:20	2920	17324	12995
3/27/2024 16:48:32	3382	17176	12605
3/27/2024 10:07:18	3661	16126	12723
3/27/2024 08:49:30	3929	17060	12992
3/26/2024 10:28:06	4590	16054	14855
3/25/2024 10:10:30	4003	18464	13973
3/22/2024 09:00:45	2984	17875	12893
3/21/2024 08:44:31	3167	17829	13067
3/20/2024 09:03:42	3080	17089	12389
3/19/2024 13:23:15	3786	17505	12877
3/19/2024 09:31:32	3279	17943	12421
3/18/2024 10:47:35	4608	16508	13822
3/15/2024 09:19:25	2446	16491	10868
3/14/2024 09:13:05	2441	16585	10800
3/13/2024 09:22:30	2903	16825	11325
3/12/2024 09:10:39	2653	17105	11709

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
3/11/2024 11:07:32	4200	16181	13057
3/11/2024 09:31:05	4293	17257	11986
3/11/2024 09:27:33	4322	17396	12106
3/8/2024 08:29:13	4145	16244	11704
3/7/2024 17:46:09	4185	15148	11811
3/7/2024 13:19:13	4029	15848	11265
3/7/2024 09:28:32	3605	13491	9204
3/7/2024 09:11:32	2580	13526	10298
3/7/2024 09:01:08	2698	13846	10718
3/6/2024 10:19:40	3208	14488	10724
3/5/2024 10:15:16	273	1743	2387
3/5/2024 10:09:01	146	892	1334
3/4/2024 11:41:00	4063	15365	11233
3/4/2024 11:28:21	1954	9059	5433
3/1/2024 08:43:28	2996	15512	8966
2/29/2024 10:38:23	4306	15354	11334
2/29/2024 10:00:25	554	3889	4359
2/29/2024 09:54:15	506	3359	3784
2/28/2024 09:32:01	3061	18229	13084
2/27/2024 09:16:47	2827	17549	11855
2/26/2024 10:30:35	3971	16379	11179
2/26/2024 10:00:21	1827	10055	6679
2/23/2024 09:07:38	3382	16511	11230
2/22/2024 08:58:48	3065	15604	10264
2/21/2024 09:51:13	3455	16190	11543
2/20/2024 09:59:52	3253	15976	11176
2/19/2024 11:30:32	4894	17240	13782
2/19/2024 11:27:00	4856	17120	13743
2/19/2024 10:16:07	4289	15395	10107
2/16/2024 10:28:26	3613	15969	9007
2/15/2024 09:20:58	4185	16564	9371
2/14/2024 09:20:12	4712	16825	9695
2/13/2024 10:44:41	4401	16379	9098
2/13/2024 10:29:18	758	13401	11559
2/12/2024 11:24:46	2301	15124	11918
2/12/2024 11:09:08	53	2239	4028
2/12/2024 10:33:45	42	1954	3702
2/12/2024 10:19:52	438	2663	2740
2/12/2024 10:03:02	137	541	1027
2/9/2024 09:43:26	2475	17092	10562
2/8/2024 09:41:08	2739	17007	11011

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
2/7/2024 09:08:34	2949	17251	11332
2/6/2024 10:08:14	3266	17222	10352
2/5/2024 16:27:35	2590	11801	7811
2/2/2024 09:52:22	4247	15989	11850
2/1/2024 09:29:20	4221	15873	11923
1/31/2024 11:01:25	4619	16449	12370
1/31/2024 10:56:52	2140	7715	5751
1/30/2024 09:04:33	4439	15663	11799
1/29/2024 09:09:33	3916	13763	12278
1/26/2024 10:08:59	3557	15191	9410
1/25/2024 09:54:25	3735	15427	9753
1/24/2024 08:52:40	3752	15257	10201
1/23/2024 11:08:41	3473	15039	10359
1/22/2024 09:17:23	4075	16149	10348
1/22/2024 09:06:26	2984	12293	7869
1/19/2024 09:01:45	3434	14536	9100
1/18/2024 10:29:20	3342	14635	9148
1/17/2024 08:52:45	3752	15881	10390
1/16/2024 14:09:54	4332	14365	9878
1/16/2024 13:58:35	1849	8752	5553
1/16/2024 13:45:11	1759	8747	5733
1/15/2024 13:03:28	344	1843	2376
1/15/2024 10:46:25	310	1953	2595
1/15/2024 10:34:05	355	1945	2594
1/15/2024 10:25:28	354	1906	2502
1/15/2024 09:48:32	378	1867	2261
1/15/2024 09:32:45	371	1842	2272
1/11/2024 14:10:39	440	1388	1671
1/11/2024 14:00:32	442	1331	1629
1/11/2024 13:07:14	441	1073	1309
1/11/2024 12:18:32	442	1296	1595
1/11/2024 10:36:51	468	1469	1987
1/11/2024 10:28:26	430	1428	1696
1/11/2024 09:11:58	387	1869	2263
1/11/2024 09:02:27	313	1592	1975
1/11/2024 08:54:00	310	1559	1944
1/10/2024 09:10:40	3490	14986	10982
1/9/2024 12:58:05	4349	14607	8180
1/9/2024 12:49:35	715	10779	7642
1/9/2024 12:37:33	8	1202	6143
1/9/2024 12:22:55	8	1215	6181

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/9/2024 12:00:03	8	1341	6546
1/9/2024 11:54:42	9	1280	6372
1/9/2024 11:45:17	9	1382	6594
1/9/2024 11:40:53	10	1397	6617
1/9/2024 11:25:08	362	1545	1665
1/9/2024 11:20:04	363	1540	1650
1/8/2024 13:49:37	3408	10281	9523
1/8/2024 12:34:48	1155	5021	6450
1/8/2024 12:30:18	1191	5187	6341
1/5/2024 09:35:49	3668	12692	8070
1/4/2024 09:13:21	3867	12894	6927
1/4/2024 09:00:57	603	1935	1257
1/3/2024 08:46:17	3809	12778	9107
1/2/2024 11:16:48	3519	12397	9390
1/2/2024 10:38:17	3814	12293	8842
12/29/2023 10:12:49	4013	12649	8816
12/28/2023 08:59:35	3766	13387	9586
12/27/2023 12:20:02	3809	12937	8800
12/27/2023 11:34:32	40	9	2
12/27/2023 10:51:04	55	31	2
12/27/2023 10:41:08	72	37	8
12/27/2023 10:33:50	3879	13288	8945
12/27/2023 10:28:28	3772	13183	8580
12/22/2023 07:49:52	3943	11892	9924
12/21/2023 08:44:43	3526	13027	9943
12/20/2023 09:26:41	4003	13172	10074
12/19/2023 09:55:37	4333	13694	10285
12/18/2023 10:16:18	4138	13763	10818
12/18/2023 10:06:38	3415	13014	10962
12/18/2023 10:00:26	3894	14384	11204
12/15/2023 09:45:55	3734	14030	9513
12/14/2023 10:23:15	3524	14113	9600
12/13/2023 10:17:40	3829	13996	9570
12/12/2023 09:56:00	3555	14240	9677
12/11/2023 10:31:48	3701	14394	9382
12/8/2023 10:10:39	3664	14293	8929
12/7/2023 09:51:50	3426	13353	8809
12/6/2023 10:12:37	3698	14579	8824
12/5/2023 10:02:14	3349	13427	9922
12/4/2023 12:08:53	3427	12418	10340
12/4/2023 11:24:17	1768	7808	8292

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/4/2023 11:20:06	1802	8001	8316
12/4/2023 11:16:06	1832	8106	8250
12/4/2023 10:23:39	1770	7816	7735
12/4/2023 10:16:55	1601	7275	7827
12/4/2023 10:09:27	1944	8113	7456
12/1/2023 09:45:19	2113	9054	8466
11/30/2023 11:48:17	2317	9995	8851
11/30/2023 11:13:01	1727	8309	9089
11/30/2023 11:05:44	1721	8023	8748
11/30/2023 10:33:46	1172	5927	8124
11/29/2023 10:04:26	2359	11870	8365
11/29/2023 09:51:22	1483	5693	3444
11/28/2023 12:50:37	3146	12531	8324
11/28/2023 12:18:55	2789	8914	4789
11/28/2023 12:15:04	3346	10726	5995
11/28/2023 11:49:24	2609	8496	4878
11/28/2023 10:22:53	1529	5718	4738
11/28/2023 10:19:03	1663	6180	5204
11/28/2023 10:15:20	1784	6623	5657
11/28/2023 09:59:37	1436	6174	5639
11/27/2023 10:28:48	2148	9665	8835
11/27/2023 10:07:16	1451	7618	8440
11/27/2023 10:01:25	1454	7648	8543
11/27/2023 09:52:06	1636	8794	9323
11/22/2023 09:50:47	2317	9749	8520
11/21/2023 09:52:05	2348	10189	9398
11/20/2023 09:38:08	2536	10392	9162
11/17/2023 10:07:38	2699	10664	9285
11/16/2023 09:42:56	2615	11519	10404
11/15/2023 13:01:45	2120	9780	10146
11/15/2023 12:33:52	1814	8334	9391
11/15/2023 12:27:35	1837	8353	9462
11/15/2023 12:17:35	1829	8310	9392
11/15/2023 12:09:42	1631	7760	9062
11/15/2023 10:39:09	1634	7521	8758
11/14/2023 10:25:03	4165	15167	8009
11/13/2023 09:42:07	3445	15971	9795
11/10/2023 09:15:37	3300	14607	7635
11/9/2023 09:55:52	2651	15369	8099
11/8/2023 09:55:56	2862	15545	7990
11/7/2023 10:07:52	2359	13776	7205

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/7/2023 10:01:12	1759	11245	6289
11/7/2023 09:55:11	1931	12236	6442
11/6/2023 10:21:52	3645	16323	7638
11/3/2023 09:44:39	2391	13805	7745
11/2/2023 09:56:11	2999	15000	8628
11/1/2023 09:41:33	3299	14766	7935

Background

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
2/25/2025 09:32:16	2.500	1.250	7.700
2/24/2025 08:59:48	2.400	1.200	5.750
2/21/2025 09:28:39	2.750	1.900	8.650
2/21/2025 09:20:37	2.350	1.750	7.550
2/20/2025 12:51:01	3.250	1.300	7.300
2/20/2025 09:19:24	0.800	0.450	1.900
2/19/2025 09:22:52	0.800	0.350	1.850
2/19/2025 09:04:54	0.300	0.700	1.700
2/18/2025 09:15:33	0.750	0.750	2.600
2/17/2025 09:55:54	0.900	0.650	2.150
2/14/2025 09:06:42	0.900	0.350	2.400
2/13/2025 09:06:19	0.550	0.600	1.950
2/12/2025 09:11:47	0.900	0.550	1.650
2/11/2025 09:24:44	1.100	0.250	2.350
2/10/2025 09:25:20	0.950	0.550	2.000
2/7/2025 09:21:57	0.750	0.550	2.850
2/6/2025 13:15:34	1.150	0.600	3.850
2/6/2025 09:18:48	1.000	0.900	2.900
2/5/2025 10:18:25	1.000	0.450	3.950
2/5/2025 09:31:26	1.100	0.600	3.600
2/4/2025 09:10:01	1.300	0.800	2.850
2/3/2025 10:57:55	0.850	0.600	3.750
2/3/2025 09:46:21	0.600	0.300	2.800
1/31/2025 13:24:01	0.850	0.650	2.650

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/31/2025 12:15:33	2.900	1.450	11.050
1/31/2025 11:41:22	2.250	2.500	9.200
1/31/2025 11:25:27	1.900	1.400	7.950
1/31/2025 10:55:25	1.800	0.950	7.050
1/31/2025 08:50:57	1.850	1.750	7.150
1/30/2025 09:05:36	2.350	1.300	8.900
1/30/2025 08:35:38	2.400	1.850	9.450
1/30/2025 08:04:37	2.500	1.600	9.200
1/29/2025 10:06:45	1.650	1.350	8.300
1/28/2025 09:55:51	2.500	2.000	9.100
1/27/2025 08:25:00	2.150	1.450	8.050
1/24/2025 10:20:31	1.900	1.750	7.750
1/23/2025 08:29:42	0.600	0.600	2.050
1/22/2025 08:50:52	0.300	0.450	2.450
1/21/2025 08:39:26	1.000	0.900	2.950
1/20/2025 09:29:22	1.100	0.700	2.200
1/17/2025 09:22:21	0.700	0.300	2.250
1/16/2025 09:06:18	0.650	0.350	2.900
1/15/2025 10:11:23	0.700	0.850	2.450
1/14/2025 08:44:58	1.250	1.100	6.450
1/13/2025 08:22:52	1.600	0.900	5.100
1/10/2025 08:58:48	1.550	1.100	5.750
1/9/2025 08:55:30	2.000	1.550	6.700
1/8/2025 11:02:55	1.350	1.200	6.900
1/7/2025 08:57:51	1.050	0.300	2.200
1/6/2025 09:05:42	0.850	0.450	2.650
1/3/2025 08:51:46	0.700	0.450	3.150
1/2/2025 09:10:35	0.750	0.650	2.000
12/31/2024 08:51:35	0.900	0.550	3.100
12/30/2024 08:28:40	0.850	0.850	2.350
12/27/2024 08:18:16	1.550	0.500	5.050
12/26/2024 08:44:40	1.350	0.900	5.000
12/23/2024 08:06:00	1.550	0.850	5.600
12/20/2024 08:54:14	1.900	0.900	6.150
12/19/2024 09:15:38	1.900	1.150	5.650
12/18/2024 13:25:48	1.850	1.450	5.550
12/18/2024 09:44:44	1.750	0.950	6.050
12/17/2024 18:43:32	1.300	0.550	2.950
12/17/2024 09:21:23	0.800	0.700	2.550
12/16/2024 09:07:17	0.450	0.850	1.750
12/13/2024 09:34:40	0.700	0.800	2.150

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/12/2024 10:16:55	0.800	0.600	2.250
12/11/2024 08:42:50	0.700	0.600	2.700
12/10/2024 08:46:49	1.100	0.400	2.950
12/9/2024 13:01:13	0.900	0.900	2.500
12/9/2024 10:36:11	0.900	0.550	2.800
12/9/2024 10:28:15	0.700	0.750	2.800
12/9/2024 10:22:08	0.800	0.600	2.100
12/6/2024 08:11:53	1.550	1.100	8.600
12/5/2024 07:45:15	1.350	1.450	8.100
12/4/2024 08:35:28	1.200	1.550	7.650
12/3/2024 09:38:46	1.300	1.300	6.550
12/3/2024 09:10:25	1.250	1.100	6.750
12/2/2024 09:48:14	1.300	1.150	6.650
11/27/2024 09:18:02	0.600	0.700	1.800
11/27/2024 08:40:33	0.650	0.750	1.300
11/26/2024 07:52:41	0.950	0.600	2.100
11/25/2024 10:52:38	0.900	0.550	2.350
11/25/2024 08:43:09	0.850	0.800	2.050
11/25/2024 08:31:48	1.000	0.650	2.100
11/22/2024 06:29:21	0.600	1.050	2.500
11/21/2024 10:07:26	0.750	1.000	2.700
11/21/2024 09:58:26	1.300	0.650	3.050
11/21/2024 09:53:21	0.800	0.750	3.100
11/20/2024 08:50:13	6.000	3.700	8.600
11/19/2024 09:07:39	1.550	1.400	6.450
11/18/2024 09:11:09	1.150	1.600	7.350
11/15/2024 09:02:37	1.200	1.150	7.050
11/14/2024 09:56:47	2.100	1.400	7.500
11/14/2024 09:44:41	1.750	0.850	5.250
11/14/2024 09:39:59	2.150	1.550	9.400
11/14/2024 09:21:41	2.250	1.500	6.150
11/14/2024 09:16:53	1.850	0.900	7.400
11/13/2024 10:17:19	1.650	1.000	4.650
11/12/2024 08:42:23	1.200	0.650	2.500
11/12/2024 08:34:20	1.150	0.650	3.300
11/11/2024 09:46:29	1.350	0.500	3.400
11/11/2024 09:31:26	1.150	0.800	3.850
11/11/2024 09:09:19	1.750	0.450	4.300
11/8/2024 09:40:41	0.950	0.650	3.650
11/7/2024 12:08:43	2.450	1.450	5.650
11/7/2024 12:03:35	1.900	1.200	5.500

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/7/2024 11:08:15	1.350	0.700	2.850
11/7/2024 10:32:04	1.350	0.450	2.700
11/7/2024 10:13:44	0.850	0.700	3.500
11/7/2024 09:49:05	0.900	0.650	2.650
11/6/2024 08:55:41	1.800	1.300	6.000
11/5/2024 09:02:15	1.950	1.250	6.400
11/4/2024 09:59:50	1.750	1.100	6.350
11/4/2024 09:42:34	3.000	1.750	8.800
11/4/2024 09:13:54	3.050	0.950	6.700
11/1/2024 08:59:46	1.600	1.100	5.200
10/31/2024 09:14:27	1.500	1.200	4.850
10/30/2024 16:33:14	2.550	1.200	7.450
10/30/2024 11:25:36	1.400	1.250	4.700
10/30/2024 10:54:46	1.250	1.300	6.450
10/30/2024 09:09:15	0.650	0.700	4.050
10/29/2024 11:26:39	0.800	0.900	3.200
10/29/2024 10:54:54	1.000	0.950	3.600
10/29/2024 09:36:05	1.650	0.900	4.150
10/29/2024 09:04:30	1.000	0.450	4.500
10/28/2024 12:26:28	1.200	0.950	5.100
10/28/2024 09:57:52	1.200	0.800	4.350
10/25/2024 13:22:08	0.500	0.500	2.800
10/25/2024 13:09:08	0.850	1.050	4.250
10/25/2024 10:35:56	0.850	0.650	3.350
10/25/2024 09:26:45	0.550	0.850	2.500
10/25/2024 09:03:40	1.000	0.750	3.450
10/24/2024 17:10:08	0.550	0.700	2.950
10/24/2024 11:19:48	1.300	0.900	4.950
10/24/2024 08:53:34	0.850	1.000	5.300
10/23/2024 08:59:04	1.200	0.600	4.650
10/22/2024 09:55:36	1.100	1.000	3.250
10/21/2024 09:31:04	0.750	0.700	2.900
10/18/2024 09:37:11	1.300	0.800	4.050
10/17/2024 09:00:58	1.000	0.700	3.100
10/16/2024 11:21:27	0.750	1.150	4.250
10/16/2024 09:02:59	0.800	0.850	4.800
10/15/2024 10:12:35	0.700	0.750	3.450
10/14/2024 08:46:09	1.150	0.750	5.200
10/11/2024 08:49:47	1.250	1.250	5.050
10/10/2024 08:52:01	1.150	1.050	4.250
10/9/2024 08:27:16	1.300	0.650	5.100

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
10/8/2024 10:52:55	1.650	0.900	6.250
10/8/2024 09:47:42	1.000	1.200	3.950
10/7/2024 10:47:10	1.000	0.850	3.900
10/7/2024 09:10:56	0.650	0.650	2.550
10/7/2024 08:55:15	0.900	0.350	3.750
10/4/2024 09:16:15	0.550	0.700	3.950
10/3/2024 09:27:44	1.150	0.800	3.300
10/3/2024 08:49:43	1.050	0.750	4.100
10/3/2024 08:29:02	0.700	0.900	3.950
10/2/2024 11:08:13	1.150	0.800	3.600
10/2/2024 08:39:41	1.150	1.100	4.550
10/1/2024 10:14:04	0.900	0.500	2.800
9/30/2024 08:49:31	1.300	1.000	4.000
9/27/2024 08:14:47	1.750	1.050	5.150
9/26/2024 08:09:12	0.800	0.550	4.500
9/25/2024 09:11:08	1.150	0.800	4.950
9/24/2024 09:35:48	0.850	0.700	4.550
9/23/2024 09:00:30	1.250	1.000	4.050
9/20/2024 09:05:28	0.700	0.750	3.000
9/19/2024 09:00:53	1.000	1.000	4.550
9/18/2024 11:34:33	1.000	0.800	3.700
9/18/2024 09:06:37	0.600	0.750	4.150
9/17/2024 12:16:40	0.900	0.750	3.400
9/17/2024 10:09:01	0.900	0.800	3.350
9/16/2024 09:06:13	1.250	1.050	4.500
9/13/2024 16:50:14	1.550	1.700	7.350
9/13/2024 08:54:29	1.600	0.900	5.400
9/12/2024 08:56:53	1.000	0.900	4.800
9/11/2024 09:06:29	1.200	0.800	5.450
9/10/2024 09:46:13	0.900	0.500	4.550
9/9/2024 08:47:13	0.700	0.900	3.150
9/9/2024 08:34:46	0.950	0.450	3.600
9/6/2024 08:58:38	0.700	0.650	2.600
9/5/2024 08:40:15	0.800	0.700	3.950
9/4/2024 08:38:45	1.250	0.600	3.950
9/3/2024 12:05:58	1.350	0.950	4.450
9/3/2024 11:05:58	1.250	1.450	6.900
9/3/2024 08:41:14	1.400	1.450	5.900
8/30/2024 08:41:51	1.100	0.700	4.200
8/29/2024 17:44:51	1.050	0.950	3.500
8/29/2024 10:01:21	1.100	0.500	4.000

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/28/2024 08:40:35	0.800	1.250	4.450
8/27/2024 08:32:46	1.450	1.000	5.600
8/26/2024 10:42:47	1.150	0.650	4.550
8/23/2024 09:05:16	1.400	1.400	3.650
8/22/2024 08:43:54	1.050	0.850	3.250
8/21/2024 08:04:13	1.200	1.050	4.450
8/20/2024 09:20:37	1.250	1.250	5.250
8/19/2024 10:25:21	1.000	0.500	4.550
8/19/2024 09:17:03	0.900	0.650	3.700
8/16/2024 08:56:38	1.050	1.050	3.450
8/15/2024 08:28:01	1.000	0.600	3.250
8/14/2024 08:24:41	1.150	0.450	4.000
8/13/2024 08:51:41	1.200	0.450	2.850
8/12/2024 09:10:43	0.500	0.500	2.350
8/12/2024 08:57:52	0.950	0.600	2.950
8/9/2024 11:39:50	1.350	0.700	4.500
8/9/2024 10:08:20	0.850	0.600	3.100
8/8/2024 08:40:39	1.200	0.500	5.750
8/7/2024 09:19:16	1.350	0.900	4.300
8/6/2024 11:12:44	1.450	0.800	3.500
8/6/2024 10:53:38	1.600	0.500	3.350
8/5/2024 10:40:17	0.600	0.750	3.150
8/5/2024 10:09:19	1.300	0.750	4.700
8/5/2024 09:55:23	0.800	0.700	5.750
8/2/2024 09:40:16	1.050	0.650	4.450
8/2/2024 08:37:48	1.300	0.700	4.600
8/1/2024 10:38:00	1.050	0.550	5.450
8/1/2024 09:06:45	0.900	0.850	3.750
7/31/2024 08:13:58	1.200	0.650	3.800
7/30/2024 08:50:51	1.100	0.650	2.400
7/29/2024 16:06:05	1.250	0.950	4.850
7/29/2024 12:07:28	1.500	0.750	4.100
7/29/2024 11:14:31	1.200	1.000	3.500
7/29/2024 10:15:21	1.250	0.800	3.900
7/26/2024 08:53:52	0.750	1.200	3.950
7/25/2024 09:09:23	0.750	0.300	2.900
7/24/2024 15:10:09	0.750	0.700	3.650
7/24/2024 08:46:25	1.100	0.650	4.200
7/23/2024 09:32:54	1.250	0.750	3.550
7/22/2024 10:18:30	1.050	0.600	4.200
7/19/2024 08:55:06	1.300	0.650	4.050

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
7/18/2024 09:06:31	0.700	0.600	2.950
7/17/2024 13:03:52	1.150	0.800	3.850
7/17/2024 08:53:29	1.700	0.550	5.400
7/16/2024 08:54:03	0.900	0.850	4.100
7/15/2024 10:39:29	1.050	0.750	4.650
7/15/2024 10:30:38	1.250	0.750	4.300
7/15/2024 10:13:57	1.250	0.650	4.400
7/15/2024 09:02:48	1.550	0.450	4.300
7/12/2024 08:34:22	1.200	0.850	4.100
7/11/2024 09:57:22	1.550	1.200	5.900
7/10/2024 08:53:17	1.050	0.850	2.900
7/9/2024 11:54:06	1.200	0.750	3.700
7/9/2024 11:32:31	1.000	0.450	3.700
7/9/2024 11:26:38	1.550	0.550	4.350
7/9/2024 10:39:16	1.200	1.050	4.700
7/9/2024 09:17:46	1.550	0.800	4.650
7/9/2024 08:57:06	1.250	0.700	3.100
7/8/2024 09:21:55	1.700	0.950	5.050
7/8/2024 09:16:31	1.050	0.750	4.500
7/5/2024 09:03:10	1.200	0.500	3.600
7/3/2024 13:05:52	1.150	1.000	4.000
7/3/2024 11:25:40	1.500	0.850	4.500
7/3/2024 09:13:37	1.000	0.550	4.300
7/3/2024 08:44:49	0.950	0.650	3.500
7/2/2024 10:26:17	0.850	0.650	3.600
7/2/2024 08:58:12	0.900	0.850	3.350
7/1/2024 14:16:19	1.450	0.500	5.050
7/1/2024 10:01:10	1.450	0.850	3.900
6/28/2024 08:25:22	1.100	1.350	4.300
6/27/2024 08:34:14	1.350	0.900	6.000
6/27/2024 08:11:22	0.850	0.700	4.400
6/26/2024 07:54:24	0.650	0.400	2.750
6/25/2024 09:02:17	0.900	0.650	4.200
6/24/2024 09:30:27	1.250	1.100	4.150
6/21/2024 08:55:34	1.150	0.700	6.200
6/21/2024 08:22:44	1.050	0.900	3.250
6/20/2024 09:00:43	1.300	0.700	2.750
6/19/2024 07:51:31	1.500	1.400	4.900
6/18/2024 07:52:20	1.850	1.000	4.300
6/17/2024 08:58:45	1.000	0.450	2.900
6/14/2024 08:44:27	1.200	0.450	4.150

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
6/13/2024 08:42:30	1.100	0.850	4.800
6/12/2024 09:03:47	1.200	0.400	3.350
6/11/2024 08:44:40	1.650	0.700	3.950
6/10/2024 09:31:51	1.550	0.750	4.350
6/10/2024 09:17:04	1.250	0.450	3.800
6/10/2024 09:10:07	1.400	0.600	3.500
6/7/2024 09:02:38	1.400	0.350	3.300
6/6/2024 15:20:20	1.150	0.400	2.650
6/6/2024 05:03:01	1.500	1.100	4.650
6/6/2024 04:59:28	1.300	0.900	3.750
6/5/2024 08:30:26	1.800	1.350	4.050
6/4/2024 08:52:51	0.650	0.500	3.850
6/4/2024 08:39:35	0.850	0.500	3.450
6/4/2024 08:33:37	0.950	0.800	4.400
6/3/2024 10:10:17	1.000	0.500	3.100
6/3/2024 09:51:43	2.050	0.850	4.950
6/3/2024 09:44:54	1.500	0.500	5.150
6/3/2024 09:30:49	1.100	0.350	3.050
5/31/2024 08:42:32	1.350	0.900	5.150
5/30/2024 09:08:46	1.000	0.550	4.300
5/29/2024 09:04:40	1.150	0.750	4.750
5/29/2024 08:48:40	0.700	0.550	2.700
5/29/2024 08:44:08	1.150	0.400	3.600
5/28/2024 09:34:37	1.000	0.450	3.150
5/24/2024 07:20:01	1.250	1.100	4.200
5/23/2024 10:25:13	0.900	0.900	5.100
5/22/2024 09:45:06	1.050	0.750	5.250
5/21/2024 09:06:58	1.400	1.100	5.050
5/21/2024 08:01:17	1.150	0.950	4.950
5/20/2024 17:22:27	0.900	0.750	3.800
5/20/2024 17:18:56	1.050	1.050	3.750
5/20/2024 09:20:56	0.450	0.650	3.250
5/17/2024 09:12:39	1.050	0.700	4.800
5/16/2024 08:56:23	0.900	0.750	3.850
5/15/2024 09:38:13	0.750	0.600	4.050
5/15/2024 09:21:01	0.900	0.250	3.400
5/14/2024 09:41:16	0.900	0.350	3.050
5/14/2024 09:04:40	0.600	0.350	2.100
5/13/2024 09:04:44	0.950	0.900	3.450
5/10/2024 08:57:17	0.900	0.550	5.000
5/9/2024 09:06:46	1.100	0.900	5.050

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
5/9/2024 08:50:21	1.150	0.700	4.800
5/9/2024 08:44:20	1.000	1.000	5.300
5/8/2024 09:39:10	1.300	0.600	3.200
5/7/2024 17:05:39	1.150	0.700	4.850
5/7/2024 16:48:43	1.050	0.800	3.600
5/7/2024 09:19:24	1.000	0.800	3.750
5/6/2024 09:15:59	0.750	0.750	4.350
5/6/2024 09:03:10	0.850	0.700	4.500
5/3/2024 09:11:06	1.150	0.500	3.350
5/2/2024 09:48:24	0.800	0.800	2.450
5/1/2024 09:22:54	1.300	0.700	5.450
4/30/2024 10:43:56	1.000	1.250	5.000
4/30/2024 08:17:01	1.150	0.950	4.100
4/29/2024 09:10:57	1.550	0.750	5.050
4/29/2024 08:57:45	1.550	0.850	5.850
4/26/2024 08:09:31	1.300	0.750	5.850
4/25/2024 09:37:51	1.250	1.000	4.100
4/24/2024 09:17:24	1.600	1.450	5.400
4/23/2024 22:46:11	1.250	1.150	5.750
4/23/2024 09:01:59	0.700	0.550	4.900
4/22/2024 10:16:34	1.000	0.650	4.100
4/19/2024 10:59:00	1.050	1.050	5.250
4/19/2024 10:07:48	2.150	1.700	8.800
4/19/2024 09:10:32	0.600	0.600	1.050
4/18/2024 09:24:23	0.850	0.800	2.900
4/17/2024 17:03:53	1.350	0.800	4.300
4/17/2024 16:22:27	1.150	1.000	4.600
4/17/2024 09:09:54	0.800	0.750	2.300
4/16/2024 09:06:44	1.150	1.300	4.500
4/15/2024 09:14:49	1.200	1.150	5.300
4/12/2024 08:28:21	1.050	0.850	4.250
4/11/2024 08:35:01	0.900	0.700	4.650
4/10/2024 09:48:58	0.550	1.000	3.500
4/9/2024 08:56:49	0.700	0.700	3.500
4/8/2024 09:25:48	0.950	0.800	4.150
4/5/2024 08:28:47	1.450	0.700	5.100
4/4/2024 11:00:01	1.700	0.650	4.750
4/4/2024 10:45:12	1.100	0.750	3.200
4/3/2024 08:29:42	0.950	0.900	5.550
4/2/2024 09:43:44	0.800	0.750	2.500
4/1/2024 09:27:15	1.200	1.300	3.650

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
3/29/2024 08:53:28	1.250	0.900	3.350
3/28/2024 09:08:20	0.800	0.850	3.950
3/27/2024 16:48:32	1.250	1.100	4.700
3/27/2024 10:07:18	1.650	0.750	3.600
3/27/2024 08:49:30	1.700	0.600	4.200
3/26/2024 10:28:06	1.450	0.550	4.000
3/25/2024 10:10:30	1.150	0.650	4.800
3/22/2024 09:00:45	0.750	0.750	4.000
3/21/2024 08:44:31	0.900	0.450	4.000
3/20/2024 09:03:42	1.350	0.650	2.950
3/19/2024 13:23:15	1.250	0.750	3.650
3/19/2024 09:31:32	0.950	0.500	3.450
3/18/2024 10:47:35	1.150	0.550	3.550
3/15/2024 09:19:25	1.700	1.000	5.050
3/14/2024 09:13:05	1.100	0.750	4.050
3/13/2024 09:22:30	1.700	0.850	3.850
3/12/2024 09:10:39	0.850	0.700	3.750
3/11/2024 11:07:32	1.650	0.850	4.300
3/11/2024 09:31:05	1.450	0.850	4.850
3/11/2024 09:27:33	1.950	0.500	4.700
3/8/2024 08:29:13	1.800	0.650	4.350
3/7/2024 17:46:09	1.250	1.050	4.550
3/7/2024 13:19:13	0.950	0.650	4.750
3/7/2024 09:28:32	2.150	1.000	4.900
3/7/2024 09:11:32	1.200	0.600	3.500
3/7/2024 09:01:08	1.250	0.700	4.350
3/6/2024 10:19:40	1.600	0.500	4.550
3/5/2024 10:15:16	45.151	868.764	0.250
3/5/2024 10:09:01	0.450	0.100	0.150
3/4/2024 11:41:00	1.650	1.000	4.400
3/4/2024 11:28:21	1.900	1.700	7.550
3/1/2024 08:43:28	1.850	1.100	5.400
2/29/2024 10:38:23	1.350	0.800	4.500
2/29/2024 10:00:25	0.850	0.450	1.150
2/29/2024 09:54:15	0.900	0.350	1.300
2/28/2024 09:32:01	1.250	0.700	3.350
2/27/2024 09:16:47	1.000	0.700	3.200
2/26/2024 10:30:35	1.750	0.700	5.350
2/26/2024 10:00:21	2.150	0.700	5.850
2/23/2024 09:07:38	1.300	0.550	3.600
2/22/2024 08:58:48	1.150	0.850	4.300

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
2/21/2024 09:51:13	1.000	0.650	3.750
2/20/2024 09:59:52	1.100	1.250	3.900
2/19/2024 11:30:32	1.150	0.400	3.700
2/19/2024 11:27:00	1.800	0.500	3.150
2/19/2024 10:16:07	1.100	0.750	4.100
2/16/2024 10:28:26	1.650	0.950	5.150
2/15/2024 09:20:58	1.850	0.850	5.350
2/14/2024 09:20:12	2.050	1.150	5.600
2/13/2024 10:44:41	1.700	1.150	5.800
2/13/2024 10:29:18	1.550	0.800	2.700
2/12/2024 11:24:46	1.300	0.400	3.900
2/12/2024 11:09:08	0.150	0.150	0.350
2/12/2024 10:33:45	0.450	2.300	0.100
2/12/2024 10:19:52	1.550	0.400	1.250
2/12/2024 10:03:02	0.150	0.050	0.200
2/9/2024 09:43:26	1.600	0.400	3.200
2/8/2024 09:41:08	1.600	0.800	3.200
2/7/2024 09:08:34	1.200	0.550	3.550
2/6/2024 10:08:14	1.650	1.550	4.100
2/5/2024 16:27:35	1.100	0.550	3.400
2/2/2024 09:52:22	1.250	0.600	5.350
2/1/2024 09:29:20	1.000	0.550	5.000
1/31/2024 11:01:25	1.300	0.650	4.650
1/31/2024 10:56:52	1.200	0.800	5.700
1/30/2024 09:04:33	0.900	0.650	5.400
1/29/2024 09:09:33	1.100	0.650	4.000
1/26/2024 10:08:59	1.450	1.050	5.000
1/25/2024 09:54:25	1.350	0.850	3.950
1/24/2024 08:52:40	1.300	0.900	3.900
1/23/2024 11:08:41	1.000	0.900	3.450
1/22/2024 09:17:23	1.300	0.800	5.500
1/22/2024 09:06:26	1.750	0.650	4.050
1/19/2024 09:01:45	1.750	1.000	4.000
1/18/2024 10:29:20	1.250	0.650	3.600
1/17/2024 08:52:45	1.550	0.650	4.250
1/16/2024 14:09:54	1.450	0.650	4.150
1/16/2024 13:58:35	1.450	0.800	3.350
1/16/2024 13:45:11	1.050	0.600	3.600
1/15/2024 13:03:28	0.750	0.200	0.700
1/15/2024 10:46:25	0.800	0.100	0.400
1/15/2024 10:34:05	0.800	0.100	0.750

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/15/2024 10:25:28	1.350	0.150	0.800
1/15/2024 09:48:32	0.950	0.250	0.450
1/15/2024 09:32:45	1.050	0.350	0.600
1/11/2024 14:10:39	0.900	0.150	0.200
1/11/2024 14:00:32	0.700	0.050	0.250
1/11/2024 13:07:14	0.600	0.150	0.250
1/11/2024 12:18:32	0.550	0.050	0.400
1/11/2024 10:36:51	0.450	0.100	0.250
1/11/2024 10:28:26	0.550	0.050	0.200
1/11/2024 09:11:58	0.300	0.150	0.500
1/11/2024 09:02:27	0.700	0.200	0.500
1/11/2024 08:54:00	0.450	0.100	0.600
1/10/2024 09:10:40	1.400	1.000	4.400
1/9/2024 12:58:05	2.000	0.800	4.900
1/9/2024 12:49:35	1.200	0.450	1.750
1/9/2024 12:37:33	0.000	0.050	0.200
1/9/2024 12:22:55	0.050	0.050	0.000
1/9/2024 12:00:03	0.000	0.050	0.100
1/9/2024 11:54:42	0.000	0.000	0.050
1/9/2024 11:45:17	0.100	0.000	0.050
1/9/2024 11:40:53	0.050	0.000	0.050
1/9/2024 11:25:08	0.450	0.050	0.200
1/9/2024 11:20:04	0.250	0.100	0.200
1/8/2024 13:49:37	0.950	0.550	2.650
1/8/2024 12:34:48	0.350	0.150	0.600
1/8/2024 12:30:18	0.250	0.300	0.450
1/5/2024 09:35:49	1.250	0.450	3.900
1/4/2024 09:13:21	1.100	0.750	4.350
1/4/2024 09:00:57	1.400	0.450	2.950
1/3/2024 08:46:17	1.250	0.600	3.200
1/2/2024 11:16:48	1.350	0.300	2.800
1/2/2024 10:38:17	1.250	0.800	2.900
12/29/2023 10:12:49	0.850	0.500	3.100
12/28/2023 08:59:35	1.000	0.800	3.550
12/27/2023 12:20:02	1.000	0.600	3.150
12/27/2023 11:34:32	0.800	0.650	3.450
12/27/2023 10:51:04	1.000	0.800	3.000
12/27/2023 10:41:08	1.200	0.400	3.400
12/27/2023 10:33:50	1.500	0.650	3.500
12/27/2023 10:28:28	0.950	0.600	3.300
12/22/2023 07:49:52	0.850	0.450	2.400

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/21/2023 08:44:43	1.050	0.450	2.150
12/20/2023 09:26:41	0.600	0.350	3.500
12/19/2023 09:55:37	1.150	0.550	2.600
12/18/2023 10:16:18	0.700	0.400	2.100
12/18/2023 10:06:38	0.900	0.150	2.400
12/18/2023 10:00:26	1.150	0.200	2.950
12/15/2023 09:45:55	1.000	0.800	3.050
12/14/2023 10:23:15	0.350	0.850	2.950
12/13/2023 10:17:40	0.650	0.250	2.800
12/12/2023 09:56:00	0.950	0.600	2.700
12/11/2023 10:31:48	1.350	0.200	2.550
12/8/2023 10:10:39	0.950	0.600	3.250
12/7/2023 09:51:50	0.850	0.300	2.550
12/6/2023 10:12:37	1.050	0.750	3.550
12/5/2023 10:02:14	0.600	0.450	1.750
12/4/2023 12:08:53	0.600	0.300	2.500
12/4/2023 11:24:17	0.350	0.200	1.300
12/4/2023 11:20:06	0.500	0.250	0.850
12/4/2023 11:16:06	0.150	0.500	1.150
12/4/2023 10:23:39	0.300	0.150	1.400
12/4/2023 10:16:55	0.300	0.350	0.950
12/4/2023 10:09:27	0.400	0.300	1.100
12/1/2023 09:45:19	0.550	0.500	1.500
11/30/2023 11:48:17	0.450	0.350	1.950
11/30/2023 11:13:01	0.450	0.100	1.200
11/30/2023 11:05:44	0.500	0.050	1.150
11/30/2023 10:33:46	0.150	0.200	0.700
11/29/2023 10:04:26	0.850	0.450	2.200
11/29/2023 09:51:22	0.750	0.300	2.400
11/28/2023 12:50:37	1.000	0.550	2.650
11/28/2023 12:18:55	0.800	0.700	3.500
11/28/2023 12:15:04	0.500	0.450	3.050
11/28/2023 11:49:24	0.900	0.450	3.200
11/28/2023 10:22:53	0.650	0.350	1.800
11/28/2023 10:19:03	0.550	0.400	1.950
11/28/2023 10:15:20	0.200	0.200	1.650
11/28/2023 09:59:37	0.250	0.200	1.500
11/27/2023 10:28:48	0.300	0.200	1.850
11/27/2023 10:07:16	0.300	0.100	1.500
11/27/2023 10:01:25	0.500	0.150	1.150
11/27/2023 09:52:06	0.500	0.150	1.250

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/22/2023 09:50:47	0.500	0.300	1.700
11/21/2023 09:52:05	0.650	0.250	1.200
11/20/2023 09:38:08	0.200	0.350	1.450
11/17/2023 10:07:38	0.250	0.100	2.450
11/16/2023 09:42:56	0.350	0.350	2.750
11/15/2023 13:01:45	0.550	0.100	1.700
11/15/2023 12:33:52	0.350	0.250	0.900
11/15/2023 12:27:35	0.150	0.250	1.300
11/15/2023 12:17:35	0.400	0.200	0.900
11/15/2023 12:09:42	0.450	0.150	1.350
11/15/2023 10:39:09	0.200	0.100	1.150
11/14/2023 10:25:03	1.600	0.750	4.550
11/13/2023 09:42:07	1.000	0.350	3.300
11/10/2023 09:15:37	0.950	0.650	3.000
11/9/2023 09:55:52	0.850	0.450	2.800
11/8/2023 09:55:56	1.100	0.450	3.550
11/7/2023 10:07:52	1.150	0.800	3.850
11/7/2023 10:01:12	0.750	0.350	2.550
11/7/2023 09:55:11	1.000	0.350	3.150
11/6/2023 10:21:52	1.450	0.800	3.700
11/3/2023 09:44:39	1.250	0.600	4.000
11/2/2023 09:56:11	1.350	0.500	3.200
11/1/2023 09:41:33	1.550	0.700	4.000

Tune Parameters

Created Date	Extract 1	Extract 2	Omega Bias
2/25/2025 09:32:16	0.0 V	-200.0 V	-90 V
2/24/2025 08:59:48	0.0 V	-200.0 V	-90 V
2/21/2025 09:28:39	0.0 V	-200.0 V	-100 V
2/21/2025 09:20:37	0.0 V	-170.0 V	-80 V
2/20/2025 12:51:01	0.0 V	-200.0 V	-90 V
2/20/2025 09:19:24	0.0 V	-195.0 V	-110 V
2/19/2025 09:22:52	0.0 V	-200.0 V	-110 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
2/19/2025 09:04:54	0.0 V	-185.0 V	-110 V
2/18/2025 09:15:33	0.0 V	-190.0 V	-110 V
2/17/2025 09:55:54	0.0 V	-185.0 V	-110 V
2/14/2025 09:06:42	0.0 V	-190.0 V	-110 V
2/13/2025 09:06:19	0.0 V	-190.0 V	-110 V
2/12/2025 09:11:47	0.0 V	-185.0 V	-110 V
2/11/2025 09:24:44	0.0 V	-185.0 V	-110 V
2/10/2025 09:25:20	0.0 V	-180.0 V	-110 V
2/7/2025 09:21:57	0.0 V	-190.0 V	-100 V
2/6/2025 13:15:34	0.0 V	-195.0 V	-100 V
2/6/2025 09:18:48	0.0 V	-200.0 V	-90 V
2/5/2025 10:18:25	0.0 V	-200.0 V	-110 V
2/5/2025 09:31:26	0.0 V	-200.0 V	-100 V
2/4/2025 09:10:01	0.0 V	-200.0 V	-110 V
2/3/2025 10:57:55	0.0 V	-195.0 V	-110 V
2/3/2025 09:46:21	0.0 V	-190.0 V	-110 V
1/31/2025 13:24:01	0.0 V	-195.0 V	-110 V
1/31/2025 12:15:33	0.0 V	-200.0 V	-100 V
1/31/2025 11:41:22	0.0 V	-200.0 V	-90 V
1/31/2025 11:25:27	0.0 V	-170.0 V	-110 V
1/31/2025 10:55:25	0.0 V	-140.0 V	-70 V
1/31/2025 08:50:57	0.0 V	-180.0 V	-90 V
1/30/2025 09:05:36	0.0 V	-190.0 V	-90 V
1/30/2025 08:35:38	0.0 V	-200.0 V	-90 V
1/30/2025 08:04:37	0.0 V	-200.0 V	-90 V
1/29/2025 10:06:45	0.0 V	-200.0 V	-110 V
1/28/2025 09:55:51	0.0 V	-200.0 V	-110 V
1/27/2025 08:25:00	0.0 V	-200.0 V	-100 V
1/24/2025 10:20:31	0.0 V	-200.0 V	-110 V
1/23/2025 08:29:42	0.0 V	-190.0 V	-120 V
1/22/2025 08:50:52	0.0 V	-195.0 V	-110 V
1/21/2025 08:39:26	0.0 V	-200.0 V	-110 V
1/20/2025 09:29:22	0.0 V	-200.0 V	-110 V
1/17/2025 09:22:21	0.0 V	-195.0 V	-120 V
1/16/2025 09:06:18	0.0 V	-190.0 V	-120 V
1/15/2025 10:11:23	0.0 V	-175.0 V	-110 V
1/14/2025 08:44:58	0.0 V	-190.0 V	-90 V
1/13/2025 08:22:52	0.0 V	-185.0 V	-100 V
1/10/2025 08:58:48	0.0 V	-195.0 V	-100 V
1/9/2025 08:55:30	0.0 V	-195.0 V	-110 V
1/8/2025 11:02:55	0.0 V	-200.0 V	-110 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
1/7/2025 08:57:51	0.0 V	-195.0 V	-120 V
1/6/2025 09:05:42	0.0 V	-200.0 V	-110 V
1/3/2025 08:51:46	0.0 V	-195.0 V	-120 V
1/2/2025 09:10:35	0.0 V	-190.0 V	-110 V
12/31/2024 08:51:35	0.0 V	-200.0 V	-110 V
12/30/2024 08:28:40	0.0 V	-175.0 V	-110 V
12/27/2024 08:18:16	0.0 V	-155.0 V	-80 V
12/26/2024 08:44:40	0.0 V	-165.0 V	-90 V
12/23/2024 08:06:00	0.0 V	-180.0 V	-100 V
12/20/2024 08:54:14	0.0 V	-190.0 V	-100 V
12/19/2024 09:15:38	0.0 V	-190.0 V	-100 V
12/18/2024 13:25:48	0.0 V	-195.0 V	-100 V
12/18/2024 09:44:44	0.0 V	-185.0 V	-110 V
12/17/2024 18:43:32	0.0 V	-195.0 V	-110 V
12/17/2024 09:21:23	0.0 V	-195.0 V	-110 V
12/16/2024 09:07:17	0.0 V	-180.0 V	-110 V
12/13/2024 09:34:40	0.0 V	-200.0 V	-110 V
12/12/2024 10:16:55	0.0 V	-200.0 V	-120 V
12/11/2024 08:42:50	0.0 V	-195.0 V	-110 V
12/10/2024 08:46:49	0.0 V	-195.0 V	-110 V
12/9/2024 13:01:13	0.0 V	-180.0 V	-100 V
12/9/2024 10:36:11	0.0 V	-200.0 V	-120 V
12/9/2024 10:28:15	0.0 V	-180.0 V	-110 V
12/9/2024 10:22:08	0.0 V	-180.0 V	-110 V
12/6/2024 08:11:53	0.0 V	-190.0 V	-90 V
12/5/2024 07:45:15	0.0 V	-195.0 V	-100 V
12/4/2024 08:35:28	0.0 V	-195.0 V	-100 V
12/3/2024 09:38:46	0.0 V	-195.0 V	-100 V
12/3/2024 09:10:25	0.0 V	-195.0 V	-100 V
12/2/2024 09:48:14	0.0 V	-200.0 V	-110 V
11/27/2024 09:18:02	0.0 V	-190.0 V	-110 V
11/27/2024 08:40:33	0.0 V	-185.0 V	-110 V
11/26/2024 07:52:41	0.0 V	-185.0 V	-110 V
11/25/2024 10:52:38	0.0 V	-170.0 V	-110 V
11/25/2024 08:43:09	0.0 V	-190.0 V	-110 V
11/25/2024 08:31:48	0.0 V	-195.0 V	-110 V
11/22/2024 06:29:21	0.0 V	-180.0 V	-110 V
11/21/2024 10:07:26	0.0 V	-185.0 V	-110 V
11/21/2024 09:58:26	0.0 V	-170.0 V	-110 V
11/21/2024 09:53:21	0.0 V	-170.0 V	-110 V
11/20/2024 08:50:13	0.0 V	-180.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
11/19/2024 09:07:39	0.0 V	-190.0 V	-90 V
11/18/2024 09:11:09	0.0 V	-195.0 V	-100 V
11/15/2024 09:02:37	0.0 V	-200.0 V	-110 V
11/14/2024 09:56:47	0.0 V	-185.0 V	-100 V
11/14/2024 09:44:41	0.0 V	-190.0 V	-100 V
11/14/2024 09:39:59	0.0 V	-190.0 V	-100 V
11/14/2024 09:21:41	0.0 V	-200.0 V	-100 V
11/14/2024 09:16:53	0.0 V	-200.0 V	-100 V
11/13/2024 10:17:19	0.0 V	-185.0 V	-100 V
11/12/2024 08:42:23	0.0 V	-195.0 V	-100 V
11/12/2024 08:34:20	0.0 V	-200.0 V	-120 V
11/11/2024 09:46:29	0.0 V	-185.0 V	-100 V
11/11/2024 09:31:26	0.0 V	-190.0 V	-100 V
11/11/2024 09:09:19	0.0 V	-190.0 V	-100 V
11/8/2024 09:40:41	0.0 V	-170.0 V	-100 V
11/7/2024 12:08:43	0.0 V	-155.0 V	-90 V
11/7/2024 12:03:35	0.0 V	-155.0 V	-90 V
11/7/2024 11:08:15	0.0 V	-160.0 V	-90 V
11/7/2024 10:32:04	0.0 V	-140.0 V	-80 V
11/7/2024 10:13:44	0.0 V	-140.0 V	-70 V
11/7/2024 09:49:05	0.0 V	-175.0 V	-100 V
11/6/2024 08:55:41	0.0 V	-200.0 V	-100 V
11/5/2024 09:02:15	0.0 V	-200.0 V	-100 V
11/4/2024 09:59:50	0.0 V	-200.0 V	-100 V
11/4/2024 09:42:34	0.0 V	-200.0 V	-100 V
11/4/2024 09:13:54	0.0 V	-185.0 V	-100 V
11/1/2024 08:59:46	0.0 V	-180.0 V	-90 V
10/31/2024 09:14:27	0.0 V	-195.0 V	-90 V
10/30/2024 16:33:14	0.0 V	-200.0 V	-100 V
10/30/2024 11:25:36	0.0 V	-200.0 V	-110 V
10/30/2024 10:54:46	0.0 V	-195.0 V	-110 V
10/30/2024 09:09:15	0.0 V	-185.0 V	-110 V
10/29/2024 11:26:39	0.0 V	-200.0 V	-100 V
10/29/2024 10:54:54	0.0 V	-200.0 V	-110 V
10/29/2024 09:36:05	0.0 V	-195.0 V	-110 V
10/29/2024 09:04:30	0.0 V	-190.0 V	-110 V
10/28/2024 12:26:28	0.0 V	-195.0 V	-100 V
10/28/2024 09:57:52	0.0 V	-180.0 V	-90 V
10/25/2024 13:22:08	0.0 V	-185.0 V	-100 V
10/25/2024 13:09:08	0.0 V	-175.0 V	-100 V
10/25/2024 10:35:56	0.0 V	-165.0 V	-70 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
10/25/2024 09:26:45	0.0 V	-145.0 V	-70 V
10/25/2024 09:03:40	0.0 V	-140.0 V	-70 V
10/24/2024 17:10:08	0.0 V	-185.0 V	-90 V
10/24/2024 11:19:48	0.0 V	-200.0 V	-90 V
10/24/2024 08:53:34	0.0 V	-200.0 V	-90 V
10/23/2024 08:59:04	0.0 V	-195.0 V	-90 V
10/22/2024 09:55:36	0.0 V	-185.0 V	-90 V
10/21/2024 09:31:04	0.0 V	-180.0 V	-90 V
10/18/2024 09:37:11	0.0 V	-200.0 V	-90 V
10/17/2024 09:00:58	0.0 V	-195.0 V	-80 V
10/16/2024 11:21:27	0.0 V	-195.0 V	-90 V
10/16/2024 09:02:59	0.0 V	-200.0 V	-100 V
10/15/2024 10:12:35	0.0 V	-175.0 V	-80 V
10/14/2024 08:46:09	0.0 V	-185.0 V	-80 V
10/11/2024 08:49:47	0.0 V	-190.0 V	-80 V
10/10/2024 08:52:01	0.0 V	-190.0 V	-80 V
10/9/2024 08:27:16	0.0 V	-195.0 V	-80 V
10/8/2024 10:52:55	0.0 V	-195.0 V	-80 V
10/8/2024 09:47:42	0.0 V	-170.0 V	-80 V
10/7/2024 10:47:10	0.0 V	-185.0 V	-80 V
10/7/2024 09:10:56	0.0 V	-180.0 V	-80 V
10/7/2024 08:55:15	0.0 V	-180.0 V	-80 V
10/4/2024 09:16:15	0.0 V	-190.0 V	-90 V
10/3/2024 09:27:44	0.0 V	-195.0 V	-80 V
10/3/2024 08:49:43	0.0 V	-195.0 V	-90 V
10/3/2024 08:29:02	0.0 V	-180.0 V	-80 V
10/2/2024 11:08:13	0.0 V	-200.0 V	-80 V
10/2/2024 08:39:41	0.0 V	-195.0 V	-90 V
10/1/2024 10:14:04	0.0 V	-175.0 V	-80 V
9/30/2024 08:49:31	0.0 V	-175.0 V	-80 V
9/27/2024 08:14:47	0.0 V	-200.0 V	-100 V
9/26/2024 08:09:12	0.0 V	-195.0 V	-90 V
9/25/2024 09:11:08	0.0 V	-200.0 V	-80 V
9/24/2024 09:35:48	0.0 V	-175.0 V	-80 V
9/23/2024 09:00:30	0.0 V	-180.0 V	-80 V
9/20/2024 09:05:28	0.0 V	-195.0 V	-80 V
9/19/2024 09:00:53	0.0 V	-195.0 V	-90 V
9/18/2024 11:34:33	0.0 V	-190.0 V	-80 V
9/18/2024 09:06:37	0.0 V	-185.0 V	-80 V
9/17/2024 12:16:40	0.0 V	-180.0 V	-80 V
9/17/2024 10:09:01	0.0 V	-170.0 V	-80 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
9/16/2024 09:06:13	0.0 V	-190.0 V	-80 V
9/13/2024 16:50:14	0.0 V	-200.0 V	-90 V
9/13/2024 08:54:29	0.0 V	-195.0 V	-80 V
9/12/2024 08:56:53	0.0 V	-190.0 V	-80 V
9/11/2024 09:06:29	0.0 V	-195.0 V	-80 V
9/10/2024 09:46:13	0.0 V	-165.0 V	-80 V
9/9/2024 08:47:13	0.0 V	-160.0 V	-70 V
9/9/2024 08:34:46	0.0 V	-155.0 V	-70 V
9/6/2024 08:58:38	0.0 V	-160.0 V	-70 V
9/5/2024 08:40:15	0.0 V	-165.0 V	-70 V
9/4/2024 08:38:45	0.0 V	-165.0 V	-70 V
9/3/2024 12:05:58	0.0 V	-170.0 V	-70 V
9/3/2024 11:05:58	0.0 V	-165.0 V	-70 V
9/3/2024 08:41:14	0.0 V	-200.0 V	-90 V
8/30/2024 08:41:51	0.0 V	-195.0 V	-90 V
8/29/2024 17:44:51	0.0 V	-190.0 V	-80 V
8/29/2024 10:01:21	0.0 V	-165.0 V	-80 V
8/28/2024 08:40:35	0.0 V	-185.0 V	-80 V
8/27/2024 08:32:46	0.0 V	-200.0 V	-80 V
8/26/2024 10:42:47	0.0 V	-185.0 V	-100 V
8/23/2024 09:05:16	0.0 V	-140.0 V	-70 V
8/22/2024 08:43:54	0.0 V	-160.0 V	-70 V
8/21/2024 08:04:13	0.0 V	-200.0 V	-80 V
8/20/2024 09:20:37	0.0 V	-190.0 V	-100 V
8/19/2024 10:25:21	0.0 V	-185.0 V	-80 V
8/19/2024 09:17:03	0.0 V	-165.0 V	-80 V
8/16/2024 08:56:38	0.0 V	-180.0 V	-80 V
8/15/2024 08:28:01	0.0 V	-165.0 V	-80 V
8/14/2024 08:24:41	0.0 V	-175.0 V	-80 V
8/13/2024 08:51:41	0.0 V	-185.0 V	-80 V
8/12/2024 09:10:43	0.0 V	-160.0 V	-80 V
8/12/2024 08:57:52	0.0 V	-180.0 V	-80 V
8/9/2024 11:39:50	0.0 V	-195.0 V	-90 V
8/9/2024 10:08:20	0.0 V	-195.0 V	-90 V
8/8/2024 08:40:39	0.0 V	-195.0 V	-90 V
8/7/2024 09:19:16	0.0 V	-195.0 V	-90 V
8/6/2024 11:12:44	0.0 V	-200.0 V	-80 V
8/6/2024 10:53:38	0.0 V	-200.0 V	-80 V
8/5/2024 10:40:17	0.0 V	-200.0 V	-80 V
8/5/2024 10:09:19	0.0 V	-200.0 V	-90 V
8/5/2024 09:55:23	0.0 V	-195.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
8/2/2024 09:40:16	0.0 V	-190.0 V	-90 V
8/2/2024 08:37:48	0.0 V	-190.0 V	-90 V
8/1/2024 10:38:00	0.0 V	-180.0 V	-90 V
8/1/2024 09:06:45	0.0 V	-175.0 V	-90 V
7/31/2024 08:13:58	0.0 V	-185.0 V	-90 V
7/30/2024 08:50:51	0.0 V	-180.0 V	-90 V
7/29/2024 16:06:05	0.0 V	-190.0 V	-90 V
7/29/2024 12:07:28	0.0 V	-195.0 V	-90 V
7/29/2024 11:14:31	0.0 V	-195.0 V	-100 V
7/29/2024 10:15:21	0.0 V	-180.0 V	-90 V
7/26/2024 08:53:52	0.0 V	-190.0 V	-90 V
7/25/2024 09:09:23	0.0 V	-165.0 V	-90 V
7/24/2024 15:10:09	0.0 V	-185.0 V	-90 V
7/24/2024 08:46:25	0.0 V	-180.0 V	-90 V
7/23/2024 09:32:54	0.0 V	-180.0 V	-90 V
7/22/2024 10:18:30	0.0 V	-185.0 V	-90 V
7/19/2024 08:55:06	0.0 V	-190.0 V	-90 V
7/18/2024 09:06:31	0.0 V	-175.0 V	-90 V
7/17/2024 13:03:52	0.0 V	-185.0 V	-90 V
7/17/2024 08:53:29	0.0 V	-185.0 V	-90 V
7/16/2024 08:54:03	0.0 V	-190.0 V	-90 V
7/15/2024 10:39:29	0.0 V	-195.0 V	-90 V
7/15/2024 10:30:38	0.0 V	-180.0 V	-90 V
7/15/2024 10:13:57	0.0 V	-180.0 V	-90 V
7/15/2024 09:02:48	0.0 V	-185.0 V	-90 V
7/12/2024 08:34:22	0.0 V	-175.0 V	-90 V
7/11/2024 09:57:22	0.0 V	-180.0 V	-80 V
7/10/2024 08:53:17	0.0 V	-150.0 V	-70 V
7/9/2024 11:54:06	0.0 V	-155.0 V	-70 V
7/9/2024 11:32:31	0.0 V	-155.0 V	-70 V
7/9/2024 11:26:38	0.0 V	-155.0 V	-70 V
7/9/2024 10:39:16	0.0 V	-155.0 V	-70 V
7/9/2024 09:17:46	0.0 V	-155.0 V	-70 V
7/9/2024 08:57:06	0.0 V	-140.0 V	-70 V
7/8/2024 09:21:55	0.0 V	-165.0 V	-80 V
7/8/2024 09:16:31	0.0 V	-160.0 V	-80 V
7/5/2024 09:03:10	0.0 V	-200.0 V	-90 V
7/3/2024 13:05:52	0.0 V	-195.0 V	-100 V
7/3/2024 11:25:40	0.0 V	-195.0 V	-90 V
7/3/2024 09:13:37	0.0 V	-195.0 V	-90 V
7/3/2024 08:44:49	0.0 V	-170.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
7/2/2024 10:26:17	0.0 V	-170.0 V	-90 V
7/2/2024 08:58:12	0.0 V	-170.0 V	-90 V
7/1/2024 14:16:19	0.0 V	-190.0 V	-90 V
7/1/2024 10:01:10	0.0 V	-195.0 V	-90 V
6/28/2024 08:25:22	0.0 V	-195.0 V	-90 V
6/27/2024 08:34:14	0.0 V	-195.0 V	-90 V
6/27/2024 08:11:22	0.0 V	-175.0 V	-90 V
6/26/2024 07:54:24	0.0 V	-175.0 V	-90 V
6/25/2024 09:02:17	0.0 V	-190.0 V	-90 V
6/24/2024 09:30:27	0.0 V	-190.0 V	-90 V
6/21/2024 08:55:34	0.0 V	-200.0 V	-90 V
6/21/2024 08:22:44	0.0 V	-170.0 V	-90 V
6/20/2024 09:00:43	0.0 V	-170.0 V	-90 V
6/19/2024 07:51:31	0.0 V	-175.0 V	-90 V
6/18/2024 07:52:20	0.0 V	-175.0 V	-90 V
6/17/2024 08:58:45	0.0 V	-175.0 V	-90 V
6/14/2024 08:44:27	0.0 V	-195.0 V	-90 V
6/13/2024 08:42:30	0.0 V	-200.0 V	-100 V
6/12/2024 09:03:47	0.0 V	-200.0 V	-100 V
6/11/2024 08:44:40	0.0 V	-185.0 V	-100 V
6/10/2024 09:31:51	0.0 V	-170.0 V	-90 V
6/10/2024 09:17:04	0.0 V	-165.0 V	-90 V
6/10/2024 09:10:07	0.0 V	-165.0 V	-90 V
6/7/2024 09:02:38	0.0 V	-165.0 V	-90 V
6/6/2024 15:20:20	0.0 V	-165.0 V	-90 V
6/6/2024 05:03:01	0.0 V	-190.0 V	-90 V
6/6/2024 04:59:28	0.0 V	-190.0 V	-90 V
6/5/2024 08:30:26	0.0 V	-190.0 V	-90 V
6/4/2024 08:52:51	0.0 V	-200.0 V	-90 V
6/4/2024 08:39:35	0.0 V	-200.0 V	-100 V
6/4/2024 08:33:37	0.0 V	-200.0 V	-100 V
6/3/2024 10:10:17	0.0 V	-200.0 V	-100 V
6/3/2024 09:51:43	0.0 V	-175.0 V	-100 V
6/3/2024 09:44:54	0.0 V	-175.0 V	-100 V
6/3/2024 09:30:49	0.0 V	-175.0 V	-100 V
5/31/2024 08:42:32	0.0 V	-200.0 V	-100 V
5/30/2024 09:08:46	0.0 V	-200.0 V	-100 V
5/29/2024 09:04:40	0.0 V	-200.0 V	-100 V
5/29/2024 08:48:40	0.0 V	-170.0 V	-80 V
5/29/2024 08:44:08	0.0 V	-170.0 V	-80 V
5/28/2024 09:34:37	0.0 V	-170.0 V	-80 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
5/24/2024 07:20:01	0.0 V	-200.0 V	-90 V
5/23/2024 10:25:13	0.0 V	-200.0 V	-90 V
5/22/2024 09:45:06	0.0 V	-200.0 V	-90 V
5/21/2024 09:06:58	0.0 V	-200.0 V	-90 V
5/21/2024 08:01:17	0.0 V	-200.0 V	-100 V
5/20/2024 17:22:27	0.0 V	-200.0 V	-100 V
5/20/2024 17:18:56	0.0 V	-200.0 V	-100 V
5/20/2024 09:20:56	0.0 V	-200.0 V	-100 V
5/17/2024 09:12:39	0.0 V	-200.0 V	-100 V
5/16/2024 08:56:23	0.0 V	-200.0 V	-100 V
5/15/2024 09:38:13	0.0 V	-200.0 V	-100 V
5/15/2024 09:21:01	0.0 V	-190.0 V	-90 V
5/14/2024 09:41:16	0.0 V	-190.0 V	-90 V
5/14/2024 09:04:40	0.0 V	-190.0 V	-90 V
5/13/2024 09:04:44	0.0 V	-190.0 V	-90 V
5/10/2024 08:57:17	0.0 V	-190.0 V	-90 V
5/9/2024 09:06:46	0.0 V	-190.0 V	-90 V
5/9/2024 08:50:21	0.0 V	-190.0 V	-90 V
5/9/2024 08:44:20	0.0 V	-190.0 V	-90 V
5/8/2024 09:39:10	0.0 V	-190.0 V	-90 V
5/7/2024 17:05:39	0.0 V	-195.0 V	-100 V
5/7/2024 16:48:43	0.0 V	-195.0 V	-100 V
5/7/2024 09:19:24	0.0 V	-195.0 V	-100 V
5/6/2024 09:15:59	0.0 V	-195.0 V	-100 V
5/6/2024 09:03:10	0.0 V	-195.0 V	-100 V
5/3/2024 09:11:06	0.0 V	-195.0 V	-100 V
5/2/2024 09:48:24	0.0 V	-190.0 V	-100 V
5/1/2024 09:22:54	0.0 V	-185.0 V	-100 V
4/30/2024 10:43:56	0.0 V	-185.0 V	-100 V
4/30/2024 08:17:01	0.0 V	-185.0 V	-100 V
4/29/2024 09:10:57	0.0 V	-185.0 V	-100 V
4/29/2024 08:57:45	0.0 V	-185.0 V	-100 V
4/26/2024 08:09:31	0.0 V	-185.0 V	-100 V
4/25/2024 09:37:51	0.0 V	-185.0 V	-100 V
4/24/2024 09:17:24	0.0 V	-195.0 V	-100 V
4/23/2024 22:46:11	0.0 V	-195.0 V	-100 V
4/23/2024 09:01:59	0.0 V	-195.0 V	-100 V
4/22/2024 10:16:34	0.0 V	-195.0 V	-100 V
4/19/2024 10:59:00	0.0 V	-200.0 V	-100 V
4/19/2024 10:07:48	0.0 V	-200.0 V	-110 V
4/19/2024 09:10:32	0.0 V	-180.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
4/18/2024 09:24:23	0.0 V	-180.0 V	-100 V
4/17/2024 17:03:53	0.0 V	-180.0 V	-100 V
4/17/2024 16:22:27	0.0 V	-180.0 V	-100 V
4/17/2024 09:09:54	0.0 V	-180.0 V	-100 V
4/16/2024 09:06:44	0.0 V	-200.0 V	-100 V
4/15/2024 09:14:49	0.0 V	-200.0 V	-100 V
4/12/2024 08:28:21	0.0 V	-200.0 V	-100 V
4/11/2024 08:35:01	0.0 V	-200.0 V	-100 V
4/10/2024 09:48:58	0.0 V	-195.0 V	-100 V
4/9/2024 08:56:49	0.0 V	-195.0 V	-100 V
4/8/2024 09:25:48	0.0 V	-195.0 V	-100 V
4/5/2024 08:28:47	0.0 V	-195.0 V	-100 V
4/4/2024 11:00:01	0.0 V	-190.0 V	-90 V
4/4/2024 10:45:12	0.0 V	-200.0 V	-90 V
4/3/2024 08:29:42	0.0 V	-200.0 V	-90 V
4/2/2024 09:43:44	0.0 V	-195.0 V	-90 V
4/1/2024 09:27:15	0.0 V	-195.0 V	-90 V
3/29/2024 08:53:28	0.0 V	-195.0 V	-90 V
3/28/2024 09:08:20	0.0 V	-195.0 V	-90 V
3/27/2024 16:48:32	0.0 V	-195.0 V	-90 V
3/27/2024 10:07:18	0.0 V	-195.0 V	-90 V
3/27/2024 08:49:30	0.0 V	-195.0 V	-90 V
3/26/2024 10:28:06	0.0 V	-195.0 V	-90 V
3/25/2024 10:10:30	0.0 V	-200.0 V	-100 V
3/22/2024 09:00:45	0.0 V	-190.0 V	-100 V
3/21/2024 08:44:31	0.0 V	-190.0 V	-100 V
3/20/2024 09:03:42	0.0 V	-190.0 V	-100 V
3/19/2024 13:23:15	0.0 V	-190.0 V	-100 V
3/19/2024 09:31:32	0.0 V	-190.0 V	-100 V
3/18/2024 10:47:35	0.0 V	-190.0 V	-100 V
3/15/2024 09:19:25	0.0 V	-200.0 V	-90 V
3/14/2024 09:13:05	0.0 V	-200.0 V	-90 V
3/13/2024 09:22:30	0.0 V	-200.0 V	-90 V
3/12/2024 09:10:39	0.0 V	-200.0 V	-90 V
3/11/2024 11:07:32	0.0 V	-200.0 V	-90 V
3/11/2024 09:31:05	0.0 V	-195.0 V	-100 V
3/11/2024 09:27:33	0.0 V	-195.0 V	-100 V
3/8/2024 08:29:13	0.0 V	-200.0 V	-100 V
3/7/2024 17:46:09	0.0 V	-200.0 V	-100 V
3/7/2024 13:19:13	0.0 V	-200.0 V	-100 V
3/7/2024 09:28:32	0.0 V	-200.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
3/7/2024 09:11:32	0.0 V	-200.0 V	-100 V
3/7/2024 09:01:08	0.0 V	-200.0 V	-100 V
3/6/2024 10:19:40	0.0 V	-200.0 V	-100 V
3/5/2024 10:15:16	0.0 V	-200.0 V	-100 V
3/5/2024 10:09:01	0.0 V	-200.0 V	-100 V
3/4/2024 11:41:00	0.0 V	-200.0 V	-100 V
3/4/2024 11:28:21	0.0 V	-200.0 V	-100 V
3/1/2024 08:43:28	0.0 V	-200.0 V	-120 V
2/29/2024 10:38:23	0.0 V	-200.0 V	-120 V
2/29/2024 10:00:25	0.0 V	-160.0 V	-110 V
2/29/2024 09:54:15	0.0 V	-160.0 V	-110 V
2/28/2024 09:32:01	0.0 V	-200.0 V	-100 V
2/27/2024 09:16:47	0.0 V	-200.0 V	-100 V
2/26/2024 10:30:35	0.0 V	-200.0 V	-100 V
2/26/2024 10:00:21	0.0 V	-200.0 V	-110 V
2/23/2024 09:07:38	0.0 V	-200.0 V	-110 V
2/22/2024 08:58:48	0.0 V	-200.0 V	-110 V
2/21/2024 09:51:13	0.0 V	-200.0 V	-110 V
2/20/2024 09:59:52	0.0 V	-200.0 V	-110 V
2/19/2024 11:30:32	0.0 V	-200.0 V	-110 V
2/19/2024 11:27:00	0.0 V	-200.0 V	-110 V
2/19/2024 10:16:07	0.0 V	-200.0 V	-120 V
2/16/2024 10:28:26	0.0 V	-200.0 V	-120 V
2/15/2024 09:20:58	0.0 V	-200.0 V	-120 V
2/14/2024 09:20:12	0.0 V	-200.0 V	-120 V
2/13/2024 10:44:41	0.0 V	-200.0 V	-120 V
2/13/2024 10:29:18	0.0 V	-200.0 V	-120 V
2/12/2024 11:24:46	0.0 V	-200.0 V	-120 V
2/12/2024 11:09:08	0.0 V	-175.0 V	-120 V
2/12/2024 10:33:45	0.0 V	-175.0 V	-120 V
2/12/2024 10:19:52	0.0 V	-175.0 V	-120 V
2/12/2024 10:03:02	0.0 V	-200.0 V	-100 V
2/9/2024 09:43:26	0.0 V	-200.0 V	-100 V
2/8/2024 09:41:08	0.0 V	-200.0 V	-100 V
2/7/2024 09:08:34	0.0 V	-200.0 V	-100 V
2/6/2024 10:08:14	0.0 V	-200.0 V	-100 V
2/5/2024 16:27:35	0.0 V	-200.0 V	-120 V
2/2/2024 09:52:22	0.0 V	-200.0 V	-90 V
2/1/2024 09:29:20	0.0 V	-200.0 V	-90 V
1/31/2024 11:01:25	0.0 V	-200.0 V	-90 V
1/31/2024 10:56:52	0.0 V	-200.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
1/30/2024 09:04:33	0.0 V	-200.0 V	-90 V
1/29/2024 09:09:33	0.0 V	-200.0 V	-90 V
1/26/2024 10:08:59	0.0 V	-200.0 V	-90 V
1/25/2024 09:54:25	0.0 V	-200.0 V	-90 V
1/24/2024 08:52:40	0.0 V	-200.0 V	-90 V
1/23/2024 11:08:41	0.0 V	-200.0 V	-90 V
1/22/2024 09:17:23	0.0 V	-200.0 V	-90 V
1/22/2024 09:06:26	0.0 V	-200.0 V	-100 V
1/19/2024 09:01:45	0.0 V	-200.0 V	-100 V
1/18/2024 10:29:20	0.0 V	-200.0 V	-100 V
1/17/2024 08:52:45	0.0 V	-200.0 V	-100 V
1/16/2024 14:09:54	0.0 V	-200.0 V	-100 V
1/16/2024 13:58:35	0.0 V	-200.0 V	-100 V
1/16/2024 13:45:11	0.0 V	-200.0 V	-100 V
1/15/2024 13:03:28	0.0 V	-200.0 V	-120 V
1/15/2024 10:46:25	0.0 V	-200.0 V	-120 V
1/15/2024 10:34:05	0.0 V	-200.0 V	-120 V
1/15/2024 10:25:28	0.0 V	-200.0 V	-120 V
1/15/2024 09:48:32	0.0 V	-200.0 V	-120 V
1/15/2024 09:32:45	0.0 V	-200.0 V	-120 V
1/11/2024 14:10:39	0.0 V	-200.0 V	-120 V
1/11/2024 14:00:32	0.0 V	-200.0 V	-120 V
1/11/2024 13:07:14	0.0 V	-200.0 V	-120 V
1/11/2024 12:18:32	0.0 V	-200.0 V	-120 V
1/11/2024 10:36:51	0.0 V	-200.0 V	-120 V
1/11/2024 10:28:26	0.0 V	-185.0 V	-110 V
1/11/2024 09:11:58	0.0 V	-155.0 V	-100 V
1/11/2024 09:02:27	0.0 V	-150.0 V	-80 V
1/11/2024 08:54:00	0.0 V	-150.0 V	-80 V
1/10/2024 09:10:40	0.0 V	-200.0 V	-90 V
1/9/2024 12:58:05	0.0 V	-200.0 V	-120 V
1/9/2024 12:49:35	0.0 V	-200.0 V	-120 V
1/9/2024 12:37:33	0.0 V	-165.0 V	-100 V
1/9/2024 12:22:55	0.0 V	-165.0 V	-100 V
1/9/2024 12:00:03	0.0 V	-165.0 V	-100 V
1/9/2024 11:54:42	0.0 V	-165.0 V	-100 V
1/9/2024 11:45:17	0.0 V	-165.0 V	-100 V
1/9/2024 11:40:53	0.0 V	-165.0 V	-100 V
1/9/2024 11:25:08	0.0 V	-165.0 V	-100 V
1/9/2024 11:20:04	0.0 V	-165.0 V	-100 V
1/8/2024 13:49:37	0.0 V	-200.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
1/8/2024 12:34:48	0.0 V	-140.0 V	-80 V
1/8/2024 12:30:18	0.0 V	-140.0 V	-80 V
1/5/2024 09:35:49	0.0 V	-180.0 V	-80 V
1/4/2024 09:13:21	0.0 V	-170.0 V	-80 V
1/4/2024 09:00:57	0.0 V	-160.0 V	-80 V
1/3/2024 08:46:17	0.0 V	-200.0 V	-100 V
1/2/2024 11:16:48	0.0 V	-200.0 V	-90 V
1/2/2024 10:38:17	0.0 V	-200.0 V	-100 V
12/29/2023 10:12:49	0.0 V	-200.0 V	-100 V
12/28/2023 08:59:35	0.0 V	-200.0 V	-90 V
12/27/2023 12:20:02	0.0 V	-200.0 V	-90 V
12/27/2023 11:34:32	0.0 V	-200.0 V	-90 V
12/27/2023 10:51:04	0.0 V	-200.0 V	-90 V
12/27/2023 10:41:08	0.0 V	-200.0 V	-90 V
12/27/2023 10:33:50	0.0 V	-200.0 V	-90 V
12/27/2023 10:28:28	0.0 V	-200.0 V	-90 V
12/22/2023 07:49:52	0.0 V	-195.0 V	-90 V
12/21/2023 08:44:43	0.0 V	-200.0 V	-90 V
12/20/2023 09:26:41	0.0 V	-200.0 V	-100 V
12/19/2023 09:55:37	0.0 V	-200.0 V	-100 V
12/18/2023 10:16:18	0.0 V	-200.0 V	-100 V
12/18/2023 10:06:38	0.0 V	-185.0 V	-90 V
12/18/2023 10:00:26	0.0 V	-185.0 V	-90 V
12/15/2023 09:45:55	0.0 V	-200.0 V	-90 V
12/14/2023 10:23:15	0.0 V	-200.0 V	-90 V
12/13/2023 10:17:40	0.0 V	-200.0 V	-90 V
12/12/2023 09:56:00	0.0 V	-200.0 V	-90 V
12/11/2023 10:31:48	0.0 V	-200.0 V	-90 V
12/8/2023 10:10:39	0.0 V	-200.0 V	-100 V
12/7/2023 09:51:50	0.0 V	-190.0 V	-80 V
12/6/2023 10:12:37	0.0 V	-200.0 V	-100 V
12/5/2023 10:02:14	0.0 V	-200.0 V	-80 V
12/4/2023 12:08:53	0.0 V	-180.0 V	-90 V
12/4/2023 11:24:17	0.0 V	-145.0 V	-70 V
12/4/2023 11:20:06	0.0 V	-145.0 V	-70 V
12/4/2023 11:16:06	0.0 V	-145.0 V	-70 V
12/4/2023 10:23:39	0.0 V	-145.0 V	-70 V
12/4/2023 10:16:55	0.0 V	-170.0 V	-90 V
12/4/2023 10:09:27	0.0 V	-145.0 V	-70 V
12/1/2023 09:45:19	0.0 V	-155.0 V	-80 V
11/30/2023 11:48:17	0.0 V	-155.0 V	-80 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
11/30/2023 11:13:01	0.0 V	-150.0 V	-80 V
11/30/2023 11:05:44	0.0 V	-160.0 V	-90 V
11/30/2023 10:33:46	0.0 V	-170.0 V	-90 V
11/29/2023 10:04:26	0.0 V	-195.0 V	-100 V
11/29/2023 09:51:22	0.0 V	-190.0 V	-80 V
11/28/2023 12:50:37	0.0 V	-200.0 V	-80 V
11/28/2023 12:18:55	0.0 V	-175.0 V	-80 V
11/28/2023 12:15:04	0.0 V	-175.0 V	-80 V
11/28/2023 11:49:24	0.0 V	-170.0 V	-80 V
11/28/2023 10:22:53	0.0 V	-165.0 V	-80 V
11/28/2023 10:19:03	0.0 V	-165.0 V	-80 V
11/28/2023 10:15:20	0.0 V	-165.0 V	-80 V
11/28/2023 09:59:37	0.0 V	-170.0 V	-70 V
11/27/2023 10:28:48	0.0 V	-165.0 V	-80 V
11/27/2023 10:07:16	0.0 V	-185.0 V	-100 V
11/27/2023 10:01:25	0.0 V	-185.0 V	-100 V
11/27/2023 09:52:06	0.0 V	-185.0 V	-100 V
11/22/2023 09:50:47	0.0 V	-155.0 V	-80 V
11/21/2023 09:52:05	0.0 V	-155.0 V	-80 V
11/20/2023 09:38:08	0.0 V	-150.0 V	-80 V
11/17/2023 10:07:38	0.0 V	-175.0 V	-90 V
11/16/2023 09:42:56	0.0 V	-180.0 V	-90 V
11/15/2023 13:01:45	0.0 V	-170.0 V	-90 V
11/15/2023 12:33:52	0.0 V	-175.0 V	-90 V
11/15/2023 12:27:35	0.0 V	-175.0 V	-90 V
11/15/2023 12:17:35	0.0 V	-175.0 V	-90 V
11/15/2023 12:09:42	0.0 V	-170.0 V	-90 V
11/15/2023 10:39:09	0.0 V	-175.0 V	-90 V
11/14/2023 10:25:03	0.0 V	-200.0 V	-90 V
11/13/2023 09:42:07	0.0 V	-200.0 V	-90 V
11/10/2023 09:15:37	0.0 V	-200.0 V	-90 V
11/9/2023 09:55:52	0.0 V	-200.0 V	-90 V
11/8/2023 09:55:56	0.0 V	-200.0 V	-100 V
11/7/2023 10:07:52	0.0 V	-200.0 V	-120 V
11/7/2023 10:01:12	0.0 V	-195.0 V	-90 V
11/7/2023 09:55:11	0.0 V	-195.0 V	-90 V
11/6/2023 10:21:52	0.0 V	-200.0 V	-100 V
11/3/2023 09:44:39	0.0 V	-200.0 V	-120 V
11/2/2023 09:56:11	0.0 V	-200.0 V	-90 V
11/1/2023 09:41:33	0.0 V	-195.0 V	-90 V

Internal Standards

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_250225A

CCV Name: CAL BLANK

Run No: 97847

CCV SeqNo: 2038591

Lab File ID (Standard): 003CALB.d

Date Analyzed: 2/24/2025

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 12:11

GC Column: ID (mm): Length (M):

		IS1 Lithium 6 AREA #	RT #	IS2 Scandium AREA #	RT #	IS3 Germanium AREA #	RT #	IS4 Indium AREA #	RT #
	12 HOUR STD	345838.62	0.000	204156.42	0.000	125572.91	0.000	965776.84	0.000
	UPPER LIMIT	1729193.1	1.000	1020782.1	1.000	627864.55	1.000	4828884.2	1.000
	LOWER LIMIT	103752	-1.000	61247	-1.000	37672	-1.000	289733	-1.000
	SAMPLE NO.								
01	ICV	334231	0	200126	0	126472	0	976031	0
02	ICSA	324723	0	201394	0	127700	0	956884	0
03	CCV-A	379818	0	212945	0	131278	0	1.04533e+006	0
04	CCB-A	371815	0	209737	0	129608	0	1.03016e+006	0
05	MB-46847	392599	0	219324	0	134731	0	1.0695e+006	0
06	LCS-46847	401752	0	222828	0	137249	0	1.07713e+006	0
07	2502393-001C	406341	0	220938	0	138073	0	1.06265e+006	0
08	2502393-001CDUP	418410	0	224763	0	136625	0	1.07349e+006	0
09	2502393-001CMS	427817	0	224401	0	136523	0	1.06658e+006	0
10	2502393-001CMSD	435989	0	224690	0	136941	0	1.07096e+006	0
11	2502393-001CMSDIL	446643	0	227902	0	139241	0	1.11382e+006	0
12	2502393-002C	444395	0	225904	0	137840	0	1.08552e+006	0
13	2502393-003C	443116	0	224382	0	138743	0	1.08827e+006	0
14	2502393-004C	449387	0	224787	0	138266	0	1.09212e+006	0
15	CCV-B	452129	0	226813	0	137416	0	1.10161e+006	0
16	CCB-B	432796	0	223373	0	136108	0	1.09155e+006	0
17	LDR	404172	0	219685	0	137997	0	1.0173e+006	0

IS1 Lithium 6 = Lithium 6

IS2 Scandium = Scandium

IS3 Germanium = germanium

IS4 Indium = Indium

AREA UPPER LIMIT = +400% of internal standard area

AREA LOWER LIMIT = -70% of internal standard area

RT UPPER LIMIT = +1.00 minutes of internal standard RT

RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_250225A

CCV Name: CAL BLANK

Run No: 97847

CCV SeqNo: 2038591

Lab File ID (Standard): 003CALB.d

Date Analyzed: 2/24/2025

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 12:11

GC Column: ID (mm): Length (M):

		IS5 Terbium AREA #	RT #						
	12 HOUR STD	1542470.46	0.000						
	UPPER LIMIT	7712352.3	1.000						
	LOWER LIMIT	462741	-1.000						
	SAMPLE NO.								
01	ICV	1.56238e+006	0						
02	ICSA	1.55654e+006	0						
03	CCV-A	1.68017e+006	0						
04	CCB-A	1.66077e+006	0						
05	MB-46847	1.70467e+006	0						
06	LCS-46847	1.71951e+006	0						
07	2502393-001C	1.76495e+006	0						
08	2502393-001CDUP	1.78772e+006	0						
09	2502393-001CMS	1.77896e+006	0						
10	2502393-001CMSD	1.80743e+006	0						
11	2502393-001CMSDIL	1.82326e+006	0						
12	2502393-002C	1.82014e+006	0						
13	2502393-003C	1.81564e+006	0						
14	2502393-004C	1.82568e+006	0						
15	CCV-B	1.82387e+006	0						
16	CCB-B	1.77347e+006	0						
17	LDR	1.78663e+006	0						

IS5 Terbium = Terbium

AREA UPPER LIMIT = +400% of internal standard area
AREA LOWER LIMIT = -70% of internal standard area
RT UPPER LIMIT = +1.00 minutes of internal standard RT
RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_250226B

CCV Name: CAL BLANK

Run No: 97868

CCV SeqNo: 2039047

Lab File ID (Standard): 003CALB.d

Date Analyzed: 2/25/2025

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 10:03

GC Column: ID (mm): Length (M):

		IS1 Lithium 6 AREA #	RT #	IS2 Scandium AREA #	RT #	IS3 Germanium AREA #	RT #	IS4 Indium AREA #	RT #
	12 HOUR STD	370289.1	0.000	246352.68	0.000	149779.75	0.000	1154254.02	0.000
	UPPER LIMIT	1851445.5	1.000	1231763.4	1.000	748898.75	1.000	5771270.1	1.000
	LOWER LIMIT	111087	-1.000	73906	-1.000	44934	-1.000	346276	-1.000
	SAMPLE NO.								
01	ICV	360222	0	238295	0	147118	0	1.13068e+006	0
02	ICSA	351619	0	238270	0	147958	0	1.13045e+006	0
03	CCV-A	440351	0	251537	0	152249	0	1.19565e+006	0
04	CCB-A	422100	0	249356	0	148887	0	1.19252e+006	0
05	2501037-027B	410019	0	239059	0	148398	0	1.16932e+006	0
06	2501040-061B	410019	0	239059	0	148398	0	1.16932e+006	0
07	2501040-062B	410019	0	239059	0	148398	0	1.16932e+006	0
08	LL	405686	0	239118	0	146929	0	1.17114e+006	0
09	LL	402597	0	239404	0	147815	0	1.16303e+006	0
10	2501037-027B	407155	0	241092	0	147509	0	1.16515e+006	0
11	2501040-061B	407155	0	241092	0	147509	0	1.16515e+006	0
12	2501040-062B	407155	0	241092	0	147509	0	1.16515e+006	0
13	HL	409670	0	241191	0	147948	0	1.16828e+006	0
14	CCV-B	413306	0	244105	0	148491	0	1.15889e+006	0
15	CCB-B	400463	0	238519	0	145971	0	1.15454e+006	0
16	HL	404861	0	239190	0	148687	0	1.16463e+006	0
17	2501040-061B	405419	0	239484	0	146122	0	1.16689e+006	0
18	2501040-062B	405419	0	239484	0	146122	0	1.16689e+006	0
19	2501040-061B	406160	0	241112	0	148960	0	1.16116e+006	0
20	2501040-062B	406160	0	241112	0	148960	0	1.16116e+006	0
21	2501040-061B	404113	0	240524	0	148815	0	1.16406e+006	0
22	2501040-062B	404113	0	240524	0	148815	0	1.16406e+006	0
23	CCV-C	412665	0	238383	0	146888	0	1.17688e+006	0
24	CCB-C	399669	0	231008	0	142544	0	1.1623e+006	0
25	CCV-D	426385	0	239080	0	146596	0	1.19036e+006	0
26	CCB-D	417681	0	236701	0	144486	0	1.19346e+006	0
27	MB-46857	416455	0	235640	0	146589	0	1.19279e+006	0
28	LCS-46857	419339	0	238196	0	146902	0	1.18197e+006	0
29	2502364-001B	389237	0	232751	0	142311	0	1.11327e+006	0
30	2502364-001BMS	411846	0	235401	0	143468	0	1.12459e+006	0
31	2502364-001BMSDIL	427511	0	240015	0	146698	0	1.16496e+006	0
32	2502364-001BMSD	415048	0	236744	0	143371	0	1.13012e+006	0
33	2502364-001BPDS	419471	0	236458	0	143124	0	1.12603e+006	0
34	2502335-001C	482008	0	250629	0	153248	0	1.23123e+006	0
35	2502364-002B	435015	0	240231	0	144753	0	1.14641e+006	0
36	2502364-003B	443695	0	240357	0	146610	0	1.15731e+006	0
37	CCV-E	488136	0	247798	0	152483	0	1.22918e+006	0
38	CCB-E	452051	0	244401	0	149937	0	1.22766e+006	0
39	2502364-004B	429258	0	241497	0	146240	0	1.15139e+006	0
40	2502364-005B	435531	0	244305	0	153779	0	1.16221e+006	0

RunID: ICP-MS 2 AGILENT 7850_250226B
CCV Name: CAL BLANK

Run No: 97868
CCV SeqNo: 2039047

Lab File ID (Standard): 003CALB.d
Date Analyzed: 2/25/2025

Instrument ID: ICP-MS 2 Agilent 7850
Time Analyzed: 10:03

GC Column: ID (mm): Length (M):

41	2502364-006B	443170	0	247179	0	152416	0	1.15933e+006	0
42	2502364-007B	441815	0	245375	0	154245	0	1.17345e+006	0
43	2502364-008B	443345	0	246782	0	146685	0	1.16579e+006	0
44	2502364-009B	443298	0	245244	0	148247	0	1.16796e+006	0
45	2502364-010B	451555	0	246008	0	146792	0	1.17506e+006	0
46	2502365-001B	453496	0	242596	0	147578	0	1.16318e+006	0
47	2502365-002B	445787	0	242422	0	145831	0	1.16289e+006	0
48	2502365-003B	450437	0	241930	0	146084	0	1.17536e+006	0
49	CCV-F	493366	0	249494	0	153712	0	1.24947e+006	0
50	CCB-F	475000	0	249968	0	150539	0	1.24392e+006	0
51	2502393-001D	459236	0	241896	0	149377	0	1.18769e+006	0
52	2502393-002D	446160	0	242520	0	150468	0	1.19045e+006	0
53	2502393-003D	443645	0	240233	0	148451	0	1.19157e+006	0
54	2502393-004D	452158	0	241472	0	148157	0	1.19179e+006	0
55	CCV-G	477756	0	245774	0	151693	0	1.24943e+006	0
56	CCB-G	469223	0	245472	0	150409	0	1.24674e+006	0

IS1 Lithium 6 = Lithium 6
IS2 Scandium = Scandium
IS3 Germanium = Germanium
IS4 Indium = Indium

AREA UPPER LIMIT = +400% of internal standard area
AREA LOWER LIMIT = -70% of internal standard area
RT UPPER LIMIT = +1.00 minutes of internal standard RT
RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_250226B

Run No: 97868

Lab File ID (Standard): 003CALB.d

Instrument ID: ICP-MS 2 Agilent 7850

GC Column: ID (mm):

CCV Name: CAL BLANK

CCV SeqNo: 2039047

Date Analyzed: 2/25/2025

Time Analyzed: 10:03

Length (M):

		IS5 Terbium AREA #	RT #						
	12 HOUR STD	1803033.26	0.000						
	UPPER LIMIT	9015166.3	1.000						
	LOWER LIMIT	540910	-1.000						
	SAMPLE NO.								
01	ICV	1.82801e+006	0						
02	ICSA	1.83108e+006	0						
03	CCV-A	1.91544e+006	0						
04	CCB-A	1.88121e+006	0						
05	2501037-027B	1.86346e+006	0						
06	LL	1.86371e+006	0						
07	LL	1.86133e+006	0						
08	2501037-027B	1.85856e+006	0						
09	HL	1.87426e+006	0						
10	CCV-B	1.86908e+006	0						
11	CCB-B	1.86186e+006	0						
12	HL	1.86286e+006	0						
13	2501040-061B	1.86686e+006	0						
14	2501040-061B	1.86852e+006	0						
15	2501040-061B	1.86843e+006	0						
16	CCV-C	1.93153e+006	0						
17	CCB-C	1.91433e+006	0						
18	CCV-D	1.9693e+006	0						
19	CCB-D	1.96836e+006	0						
20	MB-46857	1.95525e+006	0						
21	LCS-46857	1.9799e+006	0						
22	2502364-001B	1.89067e+006	0						
23	2502364-001BMS	1.90935e+006	0						
24	2502364-001BMSDIL	1.96526e+006	0						
25	2502364-001BMSD	1.92959e+006	0						
26	2502364-001BPDS	1.9165e+006	0						
27	2502335-001C	2.03275e+006	0						
28	2502364-002B	1.94743e+006	0						
29	2502364-003B	1.95782e+006	0						
30	CCV-E	2.032e+006	0						
31	CCB-E	1.99567e+006	0						
32	2502364-004B	1.93987e+006	0						
33	2502364-005B	2.13711e+006	0						
34	2502364-006B	2.13141e+006	0						
35	2502364-007B	2.16205e+006	0						
36	2502364-008B	1.95643e+006	0						
37	2502364-009B	1.96386e+006	0						
38	2502364-010B	1.98442e+006	0						
39	2502365-001B	1.97206e+006	0						
40	2502365-002B	1.97953e+006	0						

RunID: ICP-MS 2 AGILENT 7850_250226B
CCV Name: CAL BLANK
Run No: 97868
CCV SeqNo: 2039047
Lab File ID (Standard): 003CALB.d
Date Analyzed: 2/25/2025
Instrument ID: ICP-MS 2 Agilent 7850
Time Analyzed: 10:03
GC Column: ID (mm): Length (M):

41	2502365-003B	1.97614e+006	0						
42	CCV-F	2.05745e+006	0						
43	CCB-F	2.03608e+006	0						
44	2502393-001D	2.01339e+006	0						
45	2502393-002D	2.05894e+006	0						
46	2502393-003D	2.04309e+006	0						
47	2502393-004D	2.0579e+006	0						
48	CCV-G	2.0903e+006	0						
49	CCB-G	2.05147e+006	0						
50	2501040-061B	1.85856e+006	0						
51	2501040-061B	1.86346e+006	0						
52	2501040-062B	1.86346e+006	0						
53	2501040-062B	1.85856e+006	0						
54	2501040-062B	1.86686e+006	0						
55	2501040-062B	1.86852e+006	0						
56	2501040-062B	1.86843e+006	0						

IS5 Terbium = Terbium

AREA UPPER LIMIT = +400% of internal standard area
AREA LOWER LIMIT = -70% of internal standard area
RT UPPER LIMIT = +1.00 minutes of internal standard RT
RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_250226B

CCV Name: CAL BLANK

Run No: 97868

CCV SeqNo: 2039423

Lab File ID (Standard): 003CALB.d

Date Analyzed: 2/26/2025

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 10:47

GC Column: ID (mm): Length (M):

		IS1 Lithium 6 AREA #	RT #	IS2 Scandium AREA #	RT #	IS3 Germanium AREA #	RT #	IS4 Indium AREA #	RT #
	12 HOUR STD	391762.89	0.000	225771.59	0.000	143722.53	0.000	1193250.52	0.000
	UPPER LIMIT	1958814.45	1.000	1128857.95	1.000	718612.65	1.000	5966252.6	1.000
	LOWER LIMIT	117529	-1.000	67731	-1.000	43117	-1.000	357975	-1.000
	SAMPLE NO.								
01	ICV	385747	0	217916	0	138230	0	1.13285e+006	0
02	ICSA	359883	0	210988	0	137024	0	1.09789e+006	0
03	LDR	331325	0	204607	0	133756	0	1.02288e+006	0
04	CCV-A	304023	0	215758	0	137705	0	1.13655e+006	0
05	CCB-A	301738	0	213711	0	136504	0	1.12368e+006	0
06	2502335-001C	389244	0	231333	0	144471	0	1.16907e+006	0
07	CCV-B	352668	0	219322	0	139940	0	1.13736e+006	0
08	CCB-B	341533	0	217064	0	136851	0	1.13384e+006	0

IS1 Lithium 6 = Lithium 6

IS2 Scandium = Scandium

IS3 Germanium = Germanium

IS4 Indium = Indium

AREA UPPER LIMIT = +400% of internal standard area

AREA LOWER LIMIT = -70% of internal standard area

RT UPPER LIMIT = +1.00 minutes of internal standard RT

RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_250226B

Run No: 97868

Lab File ID (Standard): 003CALB.d

Instrument ID: ICP-MS 2 Agilent 7850

GC Column: ID (mm): Length (M):

CCV Name: CAL BLANK

CCV SeqNo: 2039423

Date Analyzed: 2/26/2025

Time Analyzed: 10:47

		IS5 Terbium AREA #	RT #						
	12 HOUR STD	2029678.04	0.000						
	UPPER LIMIT	10148390.2	1.000						
	LOWER LIMIT	608903	-1.000						
	SAMPLE NO.								
01	CCV-B	1.93986e+006	0						
02	CCB-B	1.91553e+006	0						
03	ICV	1.94896e+006	0						
04	ICSA	1.91921e+006	0						
05	LDR	1.91393e+006	0						
06	CCV-A	1.91723e+006	0						
07	CCB-A	1.88899e+006	0						
08	2502335-001C	1.9795e+006	0						

IS5 Terbium = Terbium

AREA UPPER LIMIT = +400% of internal standard area
AREA LOWER LIMIT = -70% of internal standard area
RT UPPER LIMIT = +1.00 minutes of internal standard RT
RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Supporting Data

3010A Dissolved Metals in Water Prep Bench Sheet

Analyst:	Carmen Gavidia
Date and Time:	2/24/2025
Batch:	46847

Final Volume Before Analysis	10mL

Equipment	
Pipette:	43
Other:	

Spikes / Chemicals / Reagents	Omega ID	Amount Used
Metals Water Spike	30987	0.2 mL
EAL-STD-2	30570	0.1 mL
500 ppb Hg Standard	31011	0.05 mL
10mL Tubes	8791	
pH Strips	30976	

Notes/Modifications

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date
	CG 2/24/2025

Samples verified pH < 2	Initial/Date
	CG 2/24/2025

Sign and date below if you contributed to this preparation batch
2/24/2025

Dilutions	
Sample ID	Dilution Description

Signature: ADK

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **2/24/2025 8:14:28 A**
Prep End Date:
Technician: **Cammeo Gaviota**

Prep Factor Units:
mL / mL

Prep Batch ID: **46847** Prep Code: **PREP-3010-D** Method No: **SW3010A**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46847		Aqueous	10	10	1.000	2/24/2025	Preliminary
LCS-46847		Aqueous	10	10	1.000	2/24/2025	Preliminary
2502393-001C	GEI-11_022025	Water	10	10	1.000	2/24/2025	Preliminary
2502393-001CDUP		Water	10	10	1.000	2/24/2025	Preliminary
2502393-001CMS		Water	10	10	1.000	2/24/2025	Preliminary
2502393-001CMSD		Water	10	10	1.000	2/24/2025	Preliminary
2502393-002C	GEI-12_022025	Water	10	10	1.000	2/24/2025	Preliminary
2502393-003C	GEI-13_022025	Water	10	10	1.000	2/24/2025	Preliminary
2502393-004C	GEI-DUP_022025	Water	10	10	1.000	2/24/2025	Preliminary

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **2/24/2025 8:14:28 A**
Prep End Date: **2/24/2025 8:36:35 A**
Technician: **Cammeo Gaviota**

Prep Factor Units:
mL / mL

Prep Batch ID: **46847** Prep Code: **PREP-3010-D** Method No: **SW3010A**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46847		Aqueous	10	10	1.000	2/24/2025	2/24/2025
LCS-46847		Aqueous	10	10	1.000	2/24/2025	2/24/2025
2502393-001C	GEI-11_022025	Water	10	10	1.000	2/24/2025	2/24/2025
2502393-001CDUP		Water	10	10	1.000	2/24/2025	2/24/2025
2502393-001CMS		Water	10	10	1.000	2/24/2025	2/24/2025
2502393-001CMSD		Water	10	10	1.000	2/24/2025	2/24/2025
2502393-002C	GEI-12_022025	Water	10	10	1.000	2/24/2025	2/24/2025
2502393-003C	GEI-13_022025	Water	10	10	1.000	2/24/2025	2/24/2025
2502393-004C	GEI-DUP_022025	Water	10	10	1.000	2/24/2025	2/24/2025
2502393-001CMSDIL		Water	10	10	1.000	2/24/2025	2/24/2025

3010A Total Metals in Water Prep Bench Sheet

Analyst:	Carmen Gavidia
Date and Time:	2/25/2025
Batch:	416557

Equipment	
Thermometer:	87
Thermometer CF:	+.8
Hot Block:	13
Pipette:	46 42
Other:	

Spikes / Chemicals / Reagents	Omega ID	Amount Used
Metals Water Spike	30987	1.0 mL
EAL-STD-2	30570	0.5 mL
500 ppb Hg Standard	31011	0.25 mL
Concentrated Nitric Acid	8786	0.5 mL
1:1 HCl	7119	0.5 mL
50mL Tubes	8822	
10mL Tubes	8791	
pH Strips	3976	
Metals Spike (PDS)	30987	0.2 mL
EAL-STD-2 (PDS)	30570	0.1 mL
500 ppb Hg Standard (PDS)	31011	0.05 mL

Notes/Modifications

Unable to determine the pH of 335-1C

30964

Digestion Time/Temp.		
Time START:	1117	
Time STOP:	2:22	
	Observed	Plus CF
Temp. IN:	91.3	92.1
Temp. OUT:	91.4	92.2
Time START:		
Time STOP:		
	Observed	Plus CF
Temp. IN:		
Temp. OUT:		

I acknowledge the spike/chemical/reagent amounts listed above were used	CG 2/25/2025

Samples verified pH < 2	CG 2/25/2025

Final Vol. Before Analysis	50mL

Dilutions	
Sample ID	
335-1C	10mL-50

Sign and date below if you contributed to the preparation of this batch

CG 2/25/2025

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **2/25/2025 09:36:02**
Prep End Date:
Technician: **Melanie Esparza**

Prep Factor Units:
mL / mL

Prep Batch ID: **46857** Prep Code: **PREP-3010-TW** Method No: **SW3010A**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46857		Aqueous	50	50	1.000	2/25/2025	Preliminary
LCS-46857		Aqueous	50	50	1.000	2/25/2025	Preliminary
2502364-001B	Inital	Stormwater	50	50	1.000	2/25/2025	Preliminary
2502364-001BMS		Stormwater	50	50	1.000	2/25/2025	Preliminary
2502364-001BMSD		Stormwater	50	50	1.000	2/25/2025	Preliminary
2502364-001BMSDIL		Stormwater	50	50	1.000	2/25/2025	Preliminary
2502364-001BPDS		Stormwater	50	50	1.000	2/25/2025	Preliminary
2502335-001C	ZF ET	Product	50	50	1.000	2/25/2025	Preliminary
2502364-002B	BSM_1	Stormwater	50	50	1.000	2/25/2025	Preliminary
2502364-003B	BSM_2	Stormwater	50	50	1.000	2/25/2025	Preliminary
2502364-004B	BSM_3	Stormwater	50	50	1.000	2/25/2025	Preliminary
2502364-005B	OlympicSilt_1	Stormwater	50	50	1.000	2/25/2025	Preliminary
2502364-006B	OlympicSilt_2	Stormwater	50	50	1.000	2/25/2025	Preliminary
2502364-007B	OlympicSilt_3	Stormwater	50	50	1.000	2/25/2025	Preliminary
2502364-008B	OlympicClay_1	Stormwater	50	50	1.000	2/25/2025	Preliminary
2502364-009B	OlympicClay_2	Stormwater	50	50	1.000	2/25/2025	Preliminary
2502364-010B	OlympicClay_3	Stormwater	50	50	1.000	2/25/2025	Preliminary
2502365-001B	CentLoam_1	Stormwater	50	50	1.000	2/25/2025	Preliminary
2502365-002B	CentLoam_2	Stormwater	50	50	1.000	2/25/2025	Preliminary
2502365-003B	CentLoam_3	Stormwater	50	50	1.000	2/25/2025	Preliminary
2502393-001D	GEI-11_022025	Water	50	50	1.000	2/25/2025	Preliminary
2502393-002D	GEI-12_022025	Water	50	50	1.000	2/25/2025	Preliminary
2502393-003D	GEI-13_022025	Water	50	50	1.000	2/25/2025	Preliminary
2502393-004D	GEI-DUP_022025	Water	50	50	1.000	2/25/2025	Preliminary

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **2/25/2025 9:36:02 A**
Prep End Date: **2/25/2025 2:39:42 P**
Technician: **Melanie Esparza**

Prep Factor Units: **mL / mL**

Prep Batch ID: **46857** Prep Code: **PREP-3010-TW** Method No: **SW3010A**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46857		Aqueous	50	50	1.000	2/25/2025	2/25/2025
LCS-46857		Aqueous	50	50	1.000	2/25/2025	2/25/2025
2502364-001B	Inital	Stormwater	50	50	1.000	2/25/2025	2/25/2025
2502364-001BMS		Stormwater	50	50	1.000	2/25/2025	2/25/2025
2502364-001BMSD		Stormwater	50	50	1.000	2/25/2025	2/25/2025
2502364-001BMSDIL		Stormwater	50	50	1.000	2/25/2025	2/25/2025
2502364-001BPDS		Stormwater	50	50	1.000	2/25/2025	2/25/2025
2502335-001C	ZF ET	Product	10	50	5.000	2/25/2025	2/25/2025
2502364-002B	BSM_1	Stormwater	50	50	1.000	2/25/2025	2/25/2025
2502364-003B	BSM_2	Stormwater	50	50	1.000	2/25/2025	2/25/2025
2502364-004B	BSM_3	Stormwater	50	50	1.000	2/25/2025	2/25/2025
2502364-005B	OlympicSilt_1	Stormwater	50	50	1.000	2/25/2025	2/25/2025
2502364-006B	OlympicSilt_2	Stormwater	50	50	1.000	2/25/2025	2/25/2025
2502364-007B	OlympicSilt_3	Stormwater	50	50	1.000	2/25/2025	2/25/2025
2502364-008B	OlympicClay_1	Stormwater	50	50	1.000	2/25/2025	2/25/2025
2502364-009B	OlympicClay_2	Stormwater	50	50	1.000	2/25/2025	2/25/2025
2502364-010B	OlympicClay_3	Stormwater	50	50	1.000	2/25/2025	2/25/2025
2502365-001B	CentLoam_1	Stormwater	50	50	1.000	2/25/2025	2/25/2025
2502365-002B	CentLoam_2	Stormwater	50	50	1.000	2/25/2025	2/25/2025
2502365-003B	CentLoam_3	Stormwater	50	50	1.000	2/25/2025	2/25/2025
2502393-001D	GEI-11_022025	Water	50	50	1.000	2/25/2025	2/25/2025
2502393-002D	GEI-12_022025	Water	50	50	1.000	2/25/2025	2/25/2025
2502393-003D	GEI-13_022025	Water	50	50	1.000	2/25/2025	2/25/2025
2502393-004D	GEI-DUP_022025	Water	50	50	1.000	2/25/2025	2/25/2025
2501037-027B	MDL 1-Total Metals	Unknown	50	50	1.000	2/25/2025	2/25/2025

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **2/25/2025 9:36:02 A**
Prep End Date: **2/25/2025 2:39:42 P**
Technician: **Melanie Esparza**

Prep Factor Units:
mL / mL

Prep Batch ID: **46857** Prep Code: **PREP-3010-TW** Method No: **SW3010A**

2501040-061B	LOD - Total Metals	Water	50	50	1.000	2/25/2025	2/25/2025
2501040-062B	LOQ - Total Metals	Water	50	50	1.000	2/25/2025	2/25/2025

Reporting Checklist

Analyst: Melanie
Workorder(s): 2502393
Date: 02/25/2025
Prep #: 46847
Run(s) #: 97847
Analysis: M-6020-D

Y/N		Reviewed
Y	**Run complete? (i.e., all QC, samples, dilutions present)**	✔
Y	**All QC within limits?** [ ] Exceedances acceptable per QA Manual and/or Auth'd by PM____?	✔
	☐CCV out ☐LCS out ☐MS out ☐Blank hits ☐IS/surr out ☐RPD out ☐Hold time ☐Other_____	
N	Any pending dilutions, re-extracts, or reanalysis to be completed in future run?	
N/A	**Manual entries/narratives reviewed for accuracy? (note below)** Analyst: Reviewer:	
✔	**Omega checks performed?**	✔
✔	SampID, Test Code, Type, Prep	
✔	PMOIST, pH	
✔	BLKref, SPKref, RPDref, CCVref	
✔	Attachments	✔
	☑Sequence ☐Cgrams ☑Bench Sheets ☑Perf Checks ☑Tech Doc	
✔	Related Info	✔
	☐ICAL Ref ☐ICAL Ack/QA'd? ☑Spiking Info/CCV Std ☐_____	
✔	Reporting Checks	✔
	☐Dilutions data/narr redundancy check ☐RLs OK (low wt, high pmoist, dilutions)	

Notes for Reviewer

By signing, I attest that I have followed the SOP

Melanie Esparza 02/25/2025 — Analyst / Date

MG 2/25/2025 — Reviewer / Date

Reporting Checklist

Fremont Analytical

Analyst: Melanie	Workorder(s): 2501037, 040, 2502364,
Date: 02/26/2025	335, 365, 393
Prep #: 46857	
Run(s) #: 97868	Analysis: M-6020-TW

Y/N		Reviewed
Y	**Run complete? (i.e., all QC, samples, dilutions present)**	✔
Y	**All QC within limits?** ____ Exceedances acceptable per QA Manual and/or Auth'd by PM____?	✔
	☐CCV out ☐LCS out ☐MS out ☐Blank hits ☐IS/surr out ☐RPD out	
	☐Hold time ☐Other_____	
N	Any pending dilutions, re-extracts, or reanalysis to be completed in future run?	
N/A	**Manual entries/narratives reviewed for accuracy? (note below)** Analyst: Reviewer:	
✔	**Omega checks performed?**	✔
✔	SampID, Test Code, Type, Prep	
✔	PMOIST, pH	
✔	BLKref, SPKref, RPDref, CCVref	
✔	Attachments	✔
	☑Sequence ☐Cgrams ☑Bench Sheets ☑Perf Checks ☑Tech Doc	
✔	Related Info	✔
	☐ICAL Ref ☐ICAL Ack/QA'd? ☑Spiking Info/CCV Std ☐_____	
✔	Reporting Checks	✔
	☐Dilutions data/narr redundancy check ☐RLs OK (low wt, high pmoist, dilutions)	

Notes for Reviewer

LDR

335-1C Pb

Sample 335-1C digested at a dilution and still had thick oily layer. Dilution is not linear, likely due to digest inhomogeneity. When pipetting for vial dilution, I tried to avoid the oily layer as much as possible.

By signing, I attest that I have followed the SOP

Melanie Esparza 02/26/2025 — Analyst Date

MG 3/12/2025 — Reviewer Date

DATA SET for Review - Deliverable Requirements

Gasoline by NWTPH-Gx

Alliance Technical Group Work Order No. 2502393

GeoEngineers

Project Name: 701/709 South Jackson St.

Project Number: 24504-001-04

This data set contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information
- Internal Standards Report

Injection Log

Data Directory: P:\GC-27\DATA\012325\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 012301.D	8260B_45to1_SS.M			
R	O-VOC-W-SIM		1.000	23 Jan 2025 12:31 pm
2) 012302.D	8260B_45to1_SS.M			
GX CCV	O-VOC-W-SIM	26	1.000	23 Jan 2025 12:57 pm
3) 012303.D	8260B_45to1_SS.M			
R	O-VOC-W-SIM		1.000	23 Jan 2025 01:22 pm
4) 012304.D	8260B_45to1_SS.M			
R	O-VOC-W-SIM		1.000	23 Jan 2025 03:54 pm
5) 012305.D	8260B_45to1_SS.M			
R	O-VOC-W-SIM		1.000	23 Jan 2025 04:19 pm
6) 012306.D	8260B_45to1_SS.M			
R	O-VOC-W-SIM		1.000	23 Jan 2025 04:44 pm
7) 012307.D	8260B_45to1_SS.M			
GX ICAL 1	O-VOC-GX-W	27	1.000	23 Jan 2025 05:10 pm
8) 012308.D	8260B_45to1_SS.M			
GX ICAL 2	O-VOC-GX-W	28	1.000	23 Jan 2025 05:37 pm
9) 012309.D	8260B_45to1_SS.M			
GX ICAL 3	O-VOC-GX-W	29	1.000	23 Jan 2025 06:03 pm
10) 012310.D	8260B_45to1_SS.M			
GX ICAL 4	O-VOC-GX-W	30	1.000	23 Jan 2025 06:29 pm
11) 012311.D	8260B_45to1_SS.M			
GX ICAL 5	O-VOC-GX-W	31	1.000	23 Jan 2025 06:56 pm
12) 012312.D	8260B_45to1_SS.M			
GX ICAL 6	O-VOC-GX-W	32	1.000	23 Jan 2025 07:22 pm
13) 012313.D	8260B_45to1_SS.M			
GX ICAL 7	O-VOC-GX-W	33	1.000	23 Jan 2025 07:49 pm
14) 012314.D	8260B_45to1_SS.M			
R	O-VOC-GX-W		1.000	23 Jan 2025 08:14 pm
15) 012315.D	8260B_45to1_SS.M			
R	O-VOC-GX-W		1.000	23 Jan 2025 08:39 pm
16) 012316.D	8260B_45to1_SS.M			
ICB	O-VOC-GX-W	34	1.000	23 Jan 2025 09:05 pm
17) 012317.D	8260B_45to1_SS.M			
ICV	O-VOC-GX-W	35	1.000	23 Jan 2025 09:32 pm
18) 012318.D	8260B_45to1_SS.M			
R	O-VOC-GX-W		1.000	23 Jan 2025 09:57 pm
19) 012401.D	8260B_45to1_SS.M			
R	O-VOC-GX-W		1.000	24 Jan 2025 02:43 pm
20) 012402.D	8260B_45to1_SS.M			
GX CCV	O-VOC-GX-W	36	1.000	24 Jan 2025 03:09 pm

21) 012403.D		8260B_45to1_SS.M				
R	O-VOC-GX-W			1.000	24 Jan 2025	03:34 pm
22) 012404.D		8260B_45to1_SS.M				
MB	O-VOC-GX-W		37	1.000	24 Jan 2025	04:01 pm
23) 012405.D		8260B_45to1_SS.M				
MB	O-VOC-GX-W		38	1.000	24 Jan 2025	04:27 pm
24) 012406.D		8260B_45to1_SS.M				
MB	O-VOC-GX-W		39	1.000	24 Jan 2025	04:54 pm
25) 012407.D		8260B_45to1_SS.M				
GX W 25	O-VOC-GX-W		40	1.000	24 Jan 2025	05:20 pm
26) 012408.D		8260B_45to1_SS.M				
GX W 25	O-VOC-GX-W		41	1.000	24 Jan 2025	05:46 pm
27) 012409.D		8260B_45to1_SS.M				
GX W 25	O-VOC-GX-W		42	1.000	24 Jan 2025	06:13 pm
28) 012410.D		8260B_45to1_SS.M				
GX S 25	O-VOC-GX-W		43	1.000	24 Jan 2025	06:39 pm
29) 012411.D		8260B_45to1_SS.M				
GX S 25	O-VOC-GX-W		44	1.000	24 Jan 2025	07:05 pm
30) 012412.D		8260B_45to1_SS.M				
GX S 25	O-VOC-GX-W		45	1.000	24 Jan 2025	07:32 pm
31) 012413.D		8260B_45to1_SS.M				
GX W 50	O-VOC-GX-W		46	1.000	24 Jan 2025	07:58 pm
32) 012414.D		8260B_45to1_SS.M				
GX W 50	O-VOC-GX-W		47	1.000	24 Jan 2025	08:25 pm
33) 012415.D		8260B_45to1_SS.M				
GX W 50	O-VOC-GX-W		48	1.000	24 Jan 2025	08:51 pm
34) 012416.D		8260B_45to1_SS.M				
GX S 50	O-VOC-GX-W		49	1.000	24 Jan 2025	09:17 pm
35) 012417.D		8260B_45to1_SS.M				
GX S 50	O-VOC-GX-W		50	1.000	24 Jan 2025	09:44 pm
36) 012418.D		8260B_45to1_SS.M				
GX S 50	O-VOC-GX-W		51	1.000	24 Jan 2025	10:10 pm
37) 012419.D		8260B_45to1_SS.M				
GX CCV	O-VOC-GX-W		52	1.000	24 Jan 2025	10:37 pm
38) 012420.D		8260B_45to1_SS.M				
R	O-VOC-GX-W			1.000	24 Jan 2025	11:02 pm

Injection Log

Data Directory: D:\GC-27\DATA\022125\

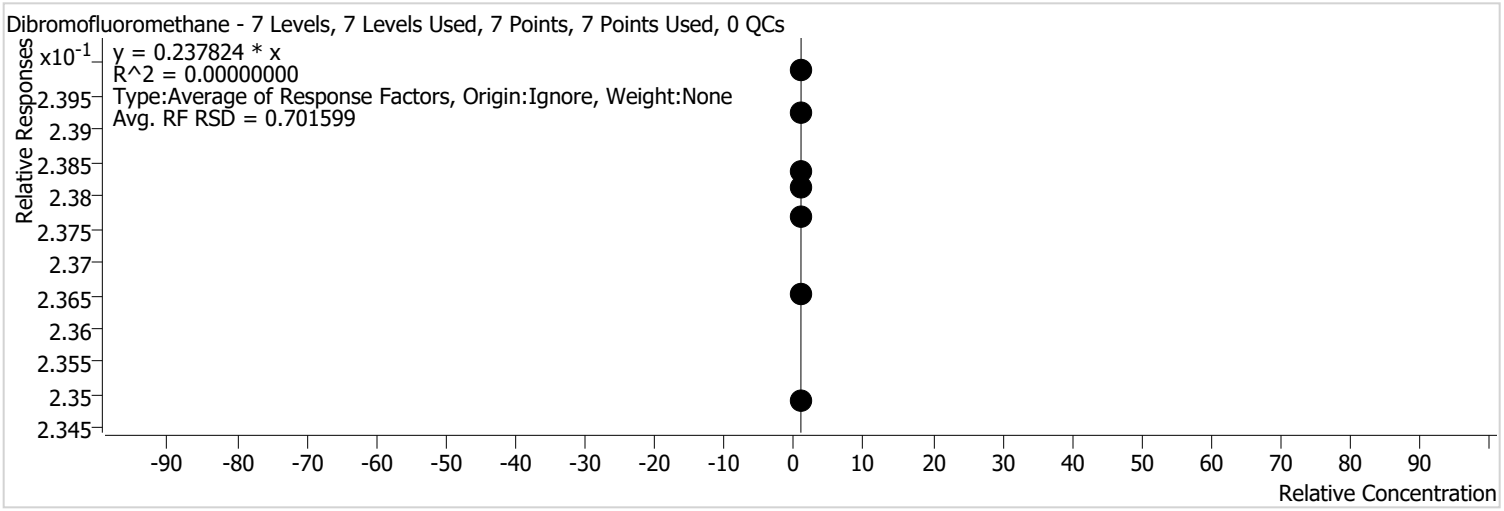
	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	022101.D	8260B_45to1_SS.M			
R		O-VOC-S-SS		1.000	21 Feb 2025 08:49 am
2)	022102.D	8260B_45to1_SS.M			
SIM W CCV		O-VOC-S-SS	66	1.000	21 Feb 2025 09:15 am
3)	022103.D	8260B_45to1_SS.M			
SIM S CCV		O-VOC-S-SS	67	1.000	21 Feb 2025 09:41 am
4)	022104.D	8260B_45to1_SS.M			
GX CCV		O-VOC-S-SS	68	1.000	21 Feb 2025 10:08 am
5)	022105.D	8260B_45to1_SS.M			
R		O-VOC-S-SS		1.000	21 Feb 2025 10:33 am
6)	022106.D	8260B_45to1_SS.M			
R		O-VOC-S-SS		1.000	21 Feb 2025 02:25 pm
7)	022107.D	8260B_45to1_SS.M			
MB W		O-VOC-S-SS	69	1.000	21 Feb 2025 02:52 pm
8)	022108.D	8260B_45to1_SS.M			
2502393-005A TB		O-VOC-S-SS	70	1.000	21 Feb 2025 03:18 pm
9)	022109.D	8260B_45to1_SS.M			
2502393-001A		O-VOC-S-SS	71	1.000	21 Feb 2025 03:45 pm
10)	022110.D	8260B_45to1_SS.M			
2502393-002A		O-VOC-S-SS	72	1.000	21 Feb 2025 04:11 pm
11)	022111.D	8260B_45to1_SS.M			
2502393-003A		O-VOC-S-SS	73	1.000	21 Feb 2025 04:37 pm
12)	022112.D	8260B_45to1_SS.M			
2502393-004A		O-VOC-W-SS	74	1.000	21 Feb 2025 05:04 pm
13)	022113.D	8260B_45to1_SS.M			
2502393-004ADUP		O-VOC-W-SS	75	1.000	21 Feb 2025 05:30 pm
14)	022114.D	8260B_45to1_SS.M			
R		O-VOC-W-SS		1.000	21 Feb 2025 05:56 pm
15)	022115.D	8260B_45to1_SS.M			
SIM W CCV		O-VOC-W-SS	76	1.000	21 Feb 2025 06:22 pm
16)	022116.D	8260B_45to1_SS.M			
GX CCV		O-VOC-W-SS	77	1.000	21 Feb 2025 06:48 pm
17)	022117.D	8260B_45to1_SS.M			
R		O-VOC-W-SS		1.000	21 Feb 2025 07:14 pm

Calibration

Calibration Report

Batch Path	P:\GC-27\DATA\012325\QuantResults\gx ical.batch.bin		
Analysis Time	1/27/2025 8:11 AM	**Analyst Name**	FA\shouser
Report Time	1/27/2025 8:12:45 AM	**Reporter Name**	FA\shouser
Last Calib Update	1/27/2025 8:08 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Dibromofluoromethane %RSE =

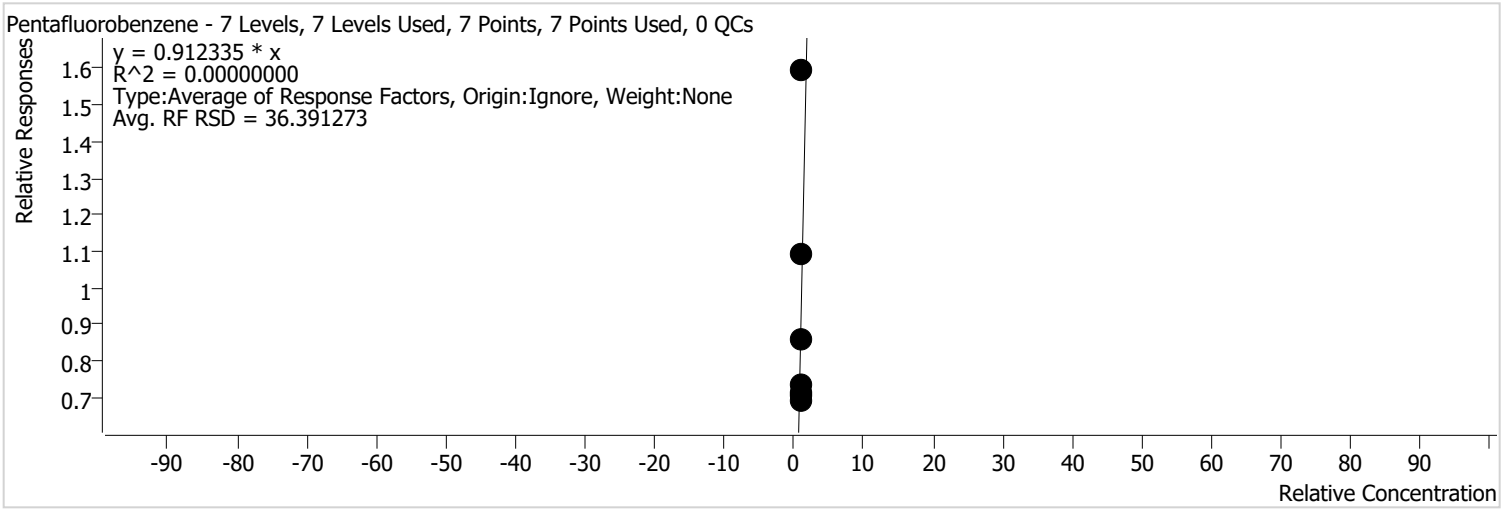


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
P:\GC-27\DATA\012325\012313.D	Calibration	7	x	1183304	25.0000	0.2399	
P:\GC-27\DATA\012325\012312.D	Calibration	6	x	1152163	25.0000	0.2377	
P:\GC-27\DATA\012325\012311.D	Calibration	5	x	1132172	25.0000	0.2349	
P:\GC-27\DATA\012325\012310.D	Calibration	4	x	1138233	25.0000	0.2384	
P:\GC-27\DATA\012325\012309.D	Calibration	3	x	1142579	25.0000	0.2365	
P:\GC-27\DATA\012325\012308.D	Calibration	2	x	1150025	25.0000	0.2392	
P:\GC-27\DATA\012325\012307.D	Calibration	1	x	1158505	25.0000	0.2381	

Calibration Report

Batch Path	P:\GC-27\DATA\012325\QuantResults\gx ical.batch.bin		
Analysis Time	1/27/2025 8:11 AM	**Analyst Name**	FA\shouser
Report Time	1/27/2025 8:12:46 AM	**Reporter Name**	FA\shouser
Last Calib Update	1/27/2025 8:08 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

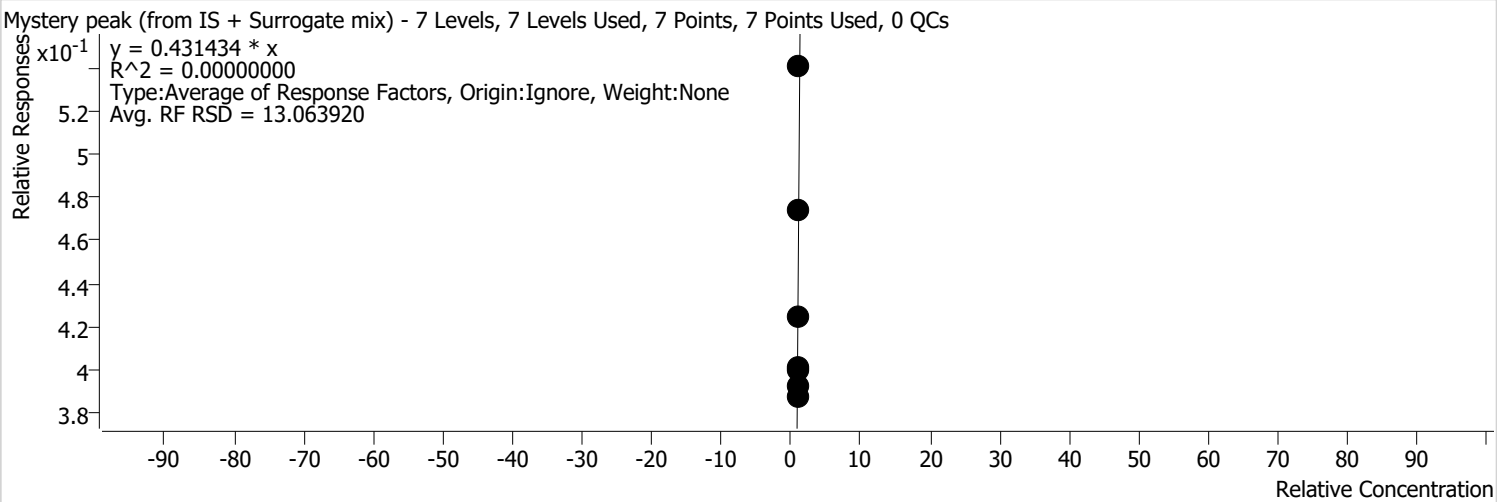
Pentafluorobenzene %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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P:\GC-27\DATA\012325\012312.D	Calibration	6	x	5286808	25.0000	1.0907	
P:\GC-27\DATA\012325\012311.D	Calibration	5	x	4128442	25.0000	0.8567	
P:\GC-27\DATA\012325\012310.D	Calibration	4	x	3512475	25.0000	0.7355	
P:\GC-27\DATA\012325\012309.D	Calibration	3	x	3397720	25.0000	0.7034	
P:\GC-27\DATA\012325\012308.D	Calibration	2	x	3424534	25.0000	0.7124	
P:\GC-27\DATA\012325\012307.D	Calibration	1	x	3377096	25.0000	0.6942	

Batch Path	P:\GC-27\DATA\012325\QuantResults\gx ical.batch.bin		
Analysis Time	1/27/2025 8:11 AM	**Analyst Name**	FA\shouser
Report Time	1/27/2025 8:12:46 AM	**Reporter Name**	FA\shouser
Last Calib Update	1/27/2025 8:08 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

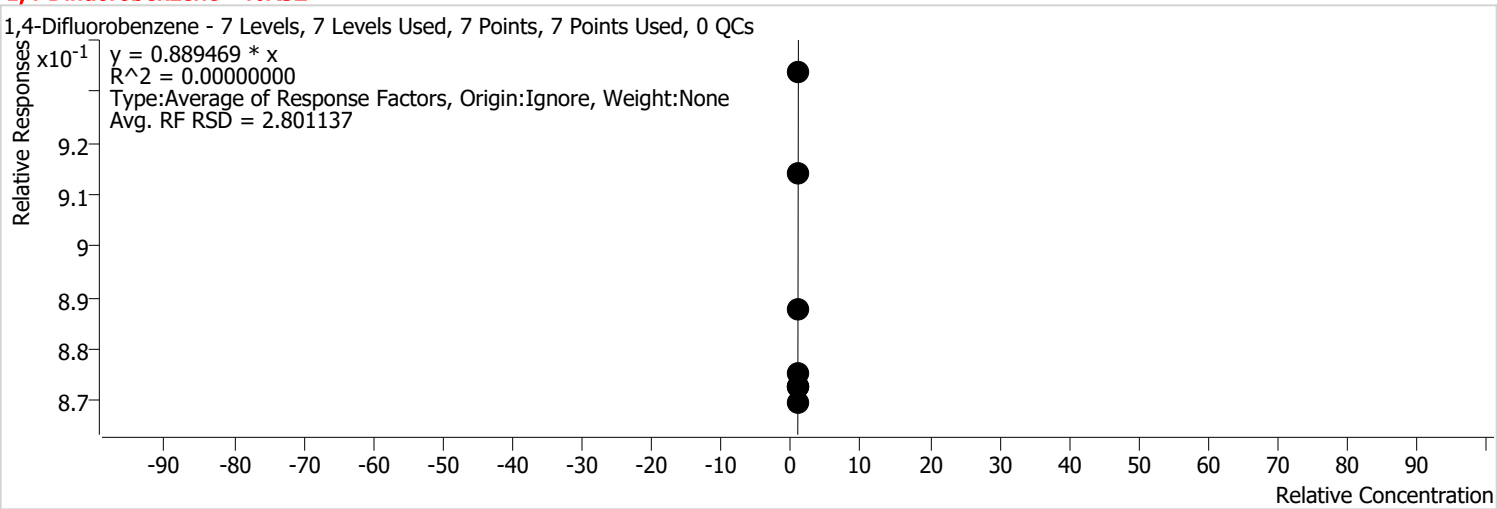
Mystery peak (from IS + Surrogate mix) %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
P:\GC-27\DATA\012325\012313.D	Calibration	7	x	2665022	25.0000	0.5403	
P:\GC-27\DATA\012325\012312.D	Calibration	6	x	2297983	25.0000	0.4741	
P:\GC-27\DATA\012325\012311.D	Calibration	5	x	2046229	25.0000	0.4246	
P:\GC-27\DATA\012325\012310.D	Calibration	4	x	1917946	25.0000	0.4016	
P:\GC-27\DATA\012325\012309.D	Calibration	3	x	1893268	25.0000	0.3919	
P:\GC-27\DATA\012325\012308.D	Calibration	2	x	1920569	25.0000	0.3995	
P:\GC-27\DATA\012325\012307.D	Calibration	1	x	1887570	25.0000	0.3880	

Batch Path	P:\GC-27\DATA\012325\QuantResults\gx ical.batch.bin		
Analysis Time	1/27/2025 8:11 AM	**Analyst Name**	FA\shouser
Report Time	1/27/2025 8:12:46 AM	**Reporter Name**	FA\shouser
Last Calib Update	1/27/2025 8:08 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,4-Difluorobenzene %RSE =

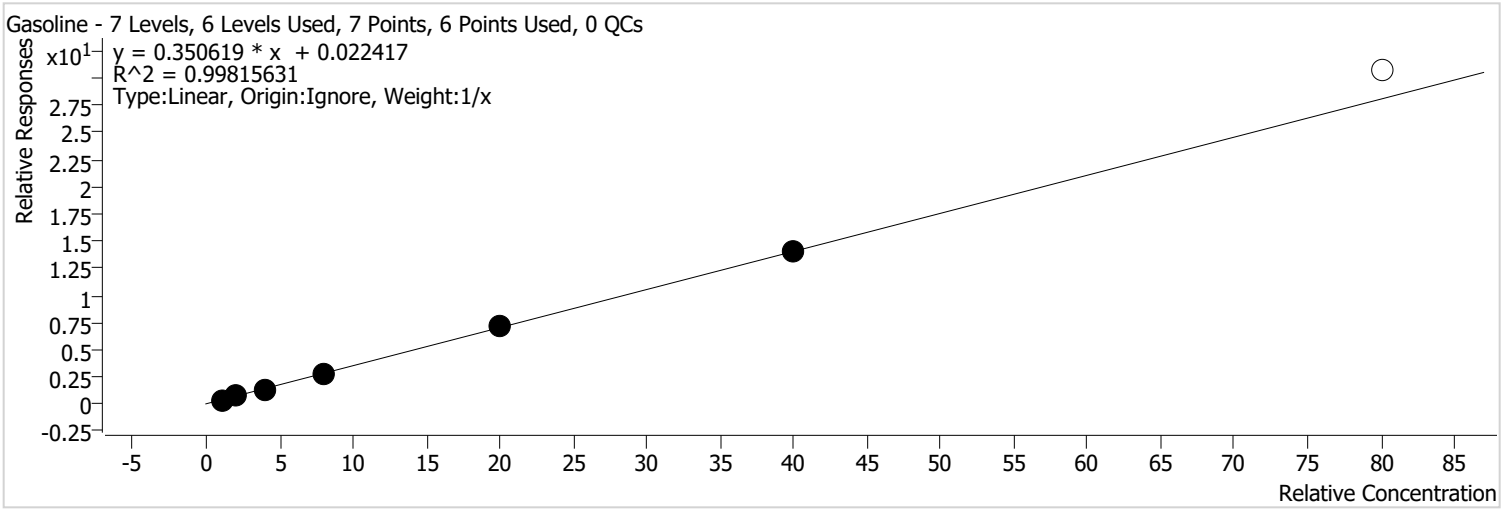


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
P:\GC-27\DATA\012325\012313.D	Calibration	7	x	4510105	25.0000	0.9143	
P:\GC-27\DATA\012325\012312.D	Calibration	6	x	4525871	25.0000	0.9337	
P:\GC-27\DATA\012325\012311.D	Calibration	5	x	4206775	25.0000	0.8729	
P:\GC-27\DATA\012325\012310.D	Calibration	4	x	4166544	25.0000	0.8725	
P:\GC-27\DATA\012325\012309.D	Calibration	3	x	4228040	25.0000	0.8753	
P:\GC-27\DATA\012325\012308.D	Calibration	2	x	4267749	25.0000	0.8878	
P:\GC-27\DATA\012325\012307.D	Calibration	1	x	4231371	25.0000	0.8698	

Calibration Report

Batch Path	P:\GC-27\DATA\012325\QuantResults\gx ical.batch.bin		
Analysis Time	1/27/2025 8:11 AM	**Analyst Name**	FA\shouser
Report Time	1/27/2025 8:12:46 AM	**Reporter Name**	FA\shouser
Last Calib Update	1/27/2025 8:08 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

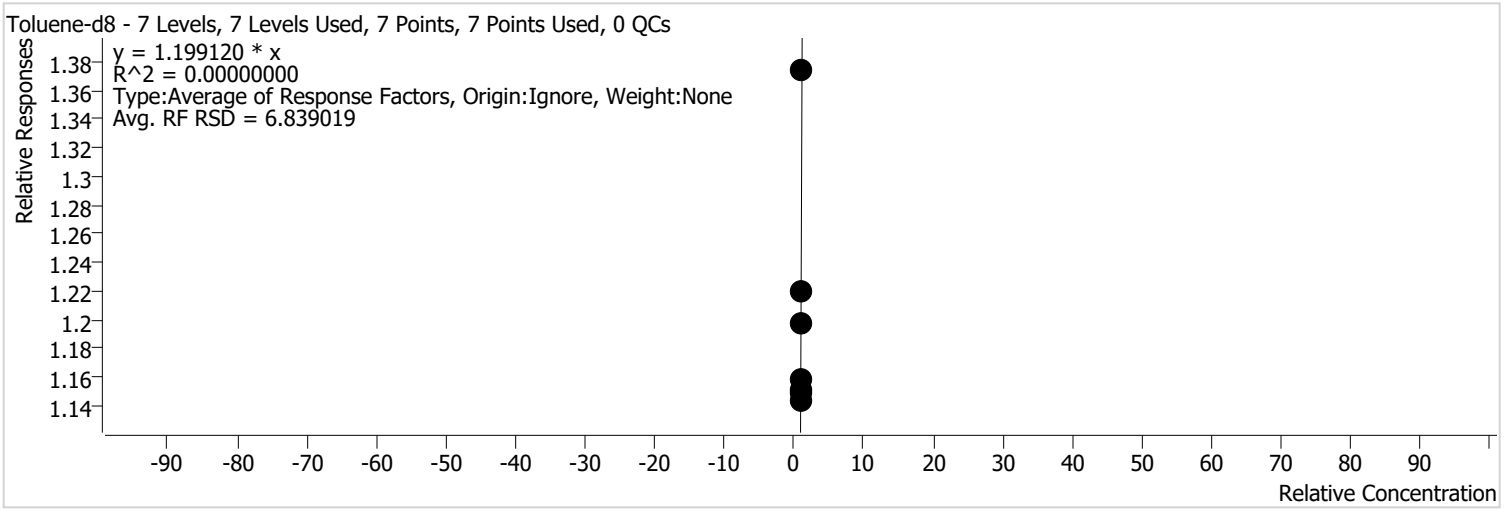
Gasoline %RSE = 8.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
P:\GC-27\DATA\012325\012307.D	Calibration	1	x	1888006	25.0000	0.3881	
P:\GC-27\DATA\012325\012308.D	Calibration	2	x	3812200	50.0000	0.3965	
P:\GC-27\DATA\012325\012309.D	Calibration	3	x	6128296	100.0000	0.3172	
P:\GC-27\DATA\012325\012310.D	Calibration	4	x	12755666	200.0000	0.3339	
P:\GC-27\DATA\012325\012311.D	Calibration	5	x	34505929	500.0000	0.3580	
P:\GC-27\DATA\012325\012312.D	Calibration	6	x	68589652	1000.0000	0.3537	
P:\GC-27\DATA\012325\012313.D	Calibration	7		151273280	2000.0000	0.3833	

Batch Path	P:\GC-27\DATA\012325\QuantResults\gx ical.batch.bin		
Analysis Time	1/27/2025 8:11 AM	**Analyst Name**	FA\shouser
Report Time	1/27/2025 8:12:46 AM	**Reporter Name**	FA\shouser
Last Calib Update	1/27/2025 8:08 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

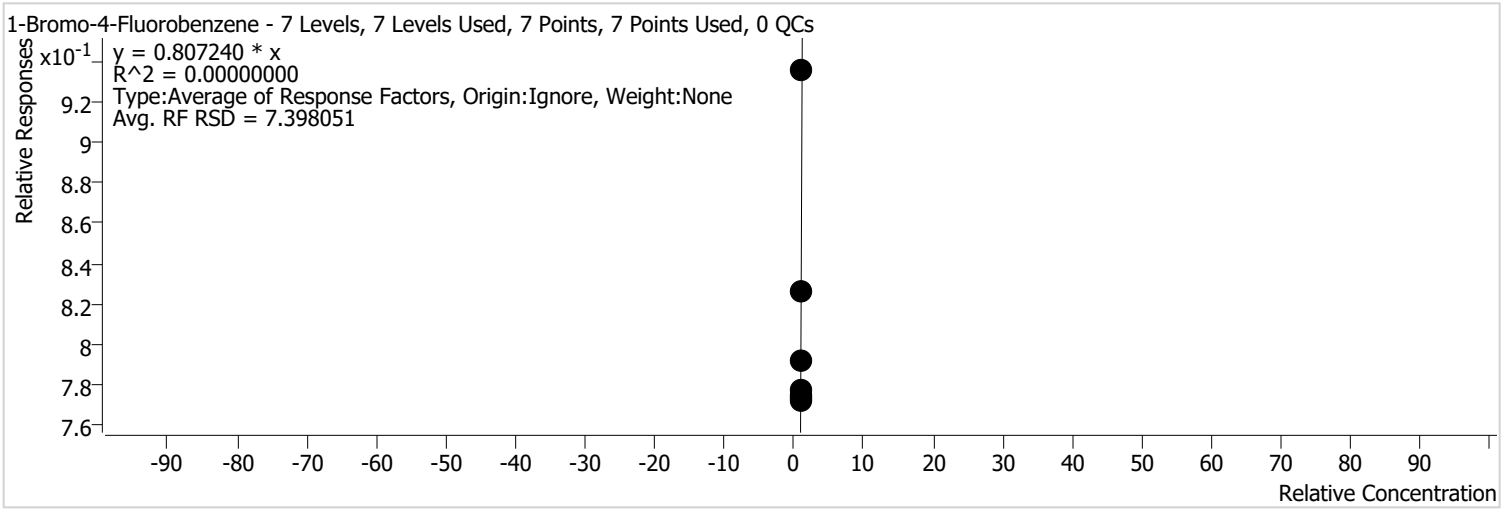
Toluene-d8 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
P:\GC-27\DATA\012325\012313.D	Calibration	7	x	6774498	25.0000	1.3734	
P:\GC-27\DATA\012325\012312.D	Calibration	6	x	5914400	25.0000	1.2201	
P:\GC-27\DATA\012325\012311.D	Calibration	5	x	5548760	25.0000	1.1514	
P:\GC-27\DATA\012325\012310.D	Calibration	4	x	5531581	25.0000	1.1583	
P:\GC-27\DATA\012325\012309.D	Calibration	3	x	5526392	25.0000	1.1440	
P:\GC-27\DATA\012325\012308.D	Calibration	2	x	5520172	25.0000	1.1483	
P:\GC-27\DATA\012325\012307.D	Calibration	1	x	5829092	25.0000	1.1982	

Batch Path	P:\GC-27\DATA\012325\QuantResults\gx ical.batch.bin		
Analysis Time	1/27/2025 8:11 AM	**Analyst Name**	FA\shouser
Report Time	1/27/2025 8:12:46 AM	**Reporter Name**	FA\shouser
Last Calib Update	1/27/2025 8:08 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

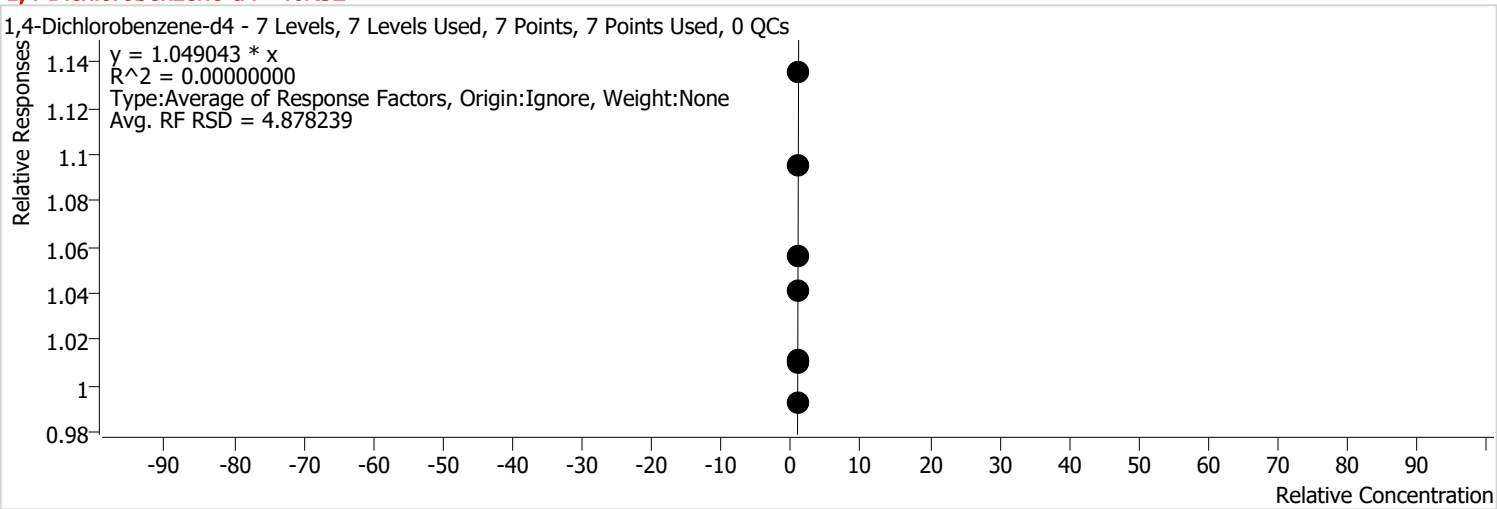
1-Bromo-4-Fluorobenzene %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
P:\GC-27\DATA\012325\012313.D	Calibration	7	x	4615222	25.0000	0.9356	
P:\GC-27\DATA\012325\012312.D	Calibration	6	x	4002669	25.0000	0.8257	
P:\GC-27\DATA\012325\012311.D	Calibration	5	x	3816923	25.0000	0.7920	
P:\GC-27\DATA\012325\012310.D	Calibration	4	x	3710770	25.0000	0.7771	
P:\GC-27\DATA\012325\012309.D	Calibration	3	x	3737266	25.0000	0.7737	
P:\GC-27\DATA\012325\012308.D	Calibration	2	x	3713286	25.0000	0.7725	
P:\GC-27\DATA\012325\012307.D	Calibration	1	x	3765834	25.0000	0.7741	

Batch Path	P:\GC-27\DATA\012325\QuantResults\gx ical.batch.bin		
Analysis Time	1/27/2025 8:11 AM	**Analyst Name**	FA\shouser
Report Time	1/27/2025 8:12:46 AM	**Reporter Name**	FA\shouser
Last Calib Update	1/27/2025 8:08 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,4-Dichlorobenzene-d4 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
P:\GC-27\DATA\012325\012313.D	Calibration	7	x	5402344	25.0000	1.0952	
P:\GC-27\DATA\012325\012312.D	Calibration	6	x	5122032	25.0000	1.0567	
P:\GC-27\DATA\012325\012311.D	Calibration	5	x	5470597	25.0000	1.1352	
P:\GC-27\DATA\012325\012310.D	Calibration	4	x	4974149	25.0000	1.0416	
P:\GC-27\DATA\012325\012309.D	Calibration	3	x	4886903	25.0000	1.0117	
P:\GC-27\DATA\012325\012308.D	Calibration	2	x	4854297	25.0000	1.0098	
P:\GC-27\DATA\012325\012307.D	Calibration	1	x	4831571	25.0000	0.9932	

GX Calibration

Fremont

Date: 1/23/25

Analyst: KT

Instrument: GC27

Cal	ICV
GX Standard: 30809	**GX Standard:** 30071

IS/Surrogate 30341

Spike Conc. (ppb)	Intermediate Spike (uL)	Cal GX Spike (uL)	ICV GX Spike (uL)	Final Vol. (mL)	Comments
25	50	--	--	50	
50	100	--	--	50	
100		2.00	--	50	
200		4.00	--	50	
500		10.00	--	50	
1000		20.00	--	50	
2000		40.00	--	50	
ICV (500 ppb)		--	10.00	50	

	GX Cal (uL)	P&T MeOH (uL)	Final Volume (mL)
Intermediate	10	990	1

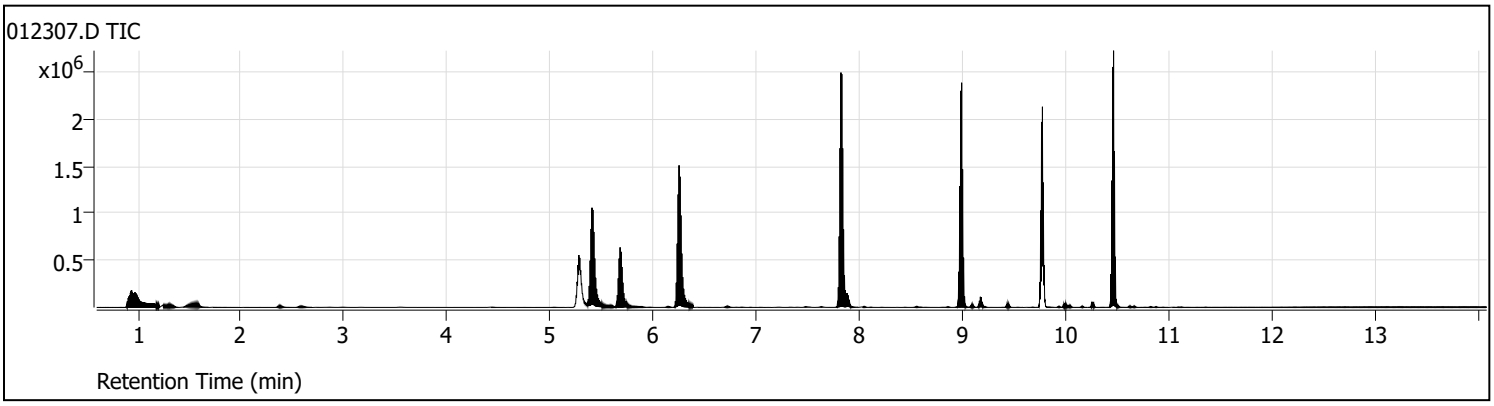
Signature and Date: Kelsey Jan 1/23/25

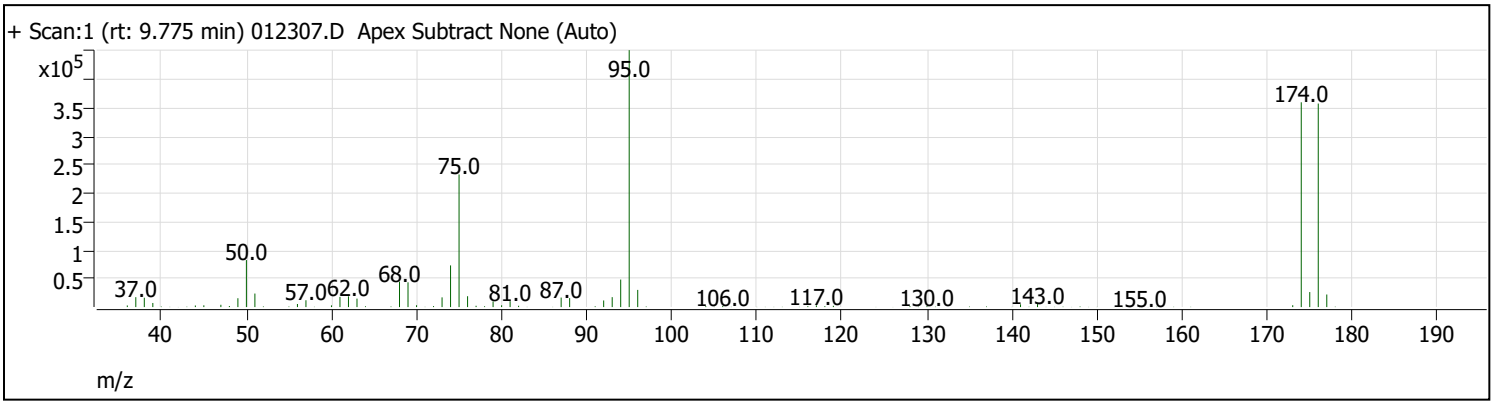
Signature: ADK

Tunes

Tune Evaluation Report

Data Path:	P:\GC-27\DATA\012325\012307.D
Acq on:	1/23/2025 5:10:50 PM
Operator:	KJ/FG
Sample:	GX ICAL 1
Inst Name:	GC-27
ALS Vial:	27
Method:	P:\MassHunter\Methods\Quant\BFB2021.m

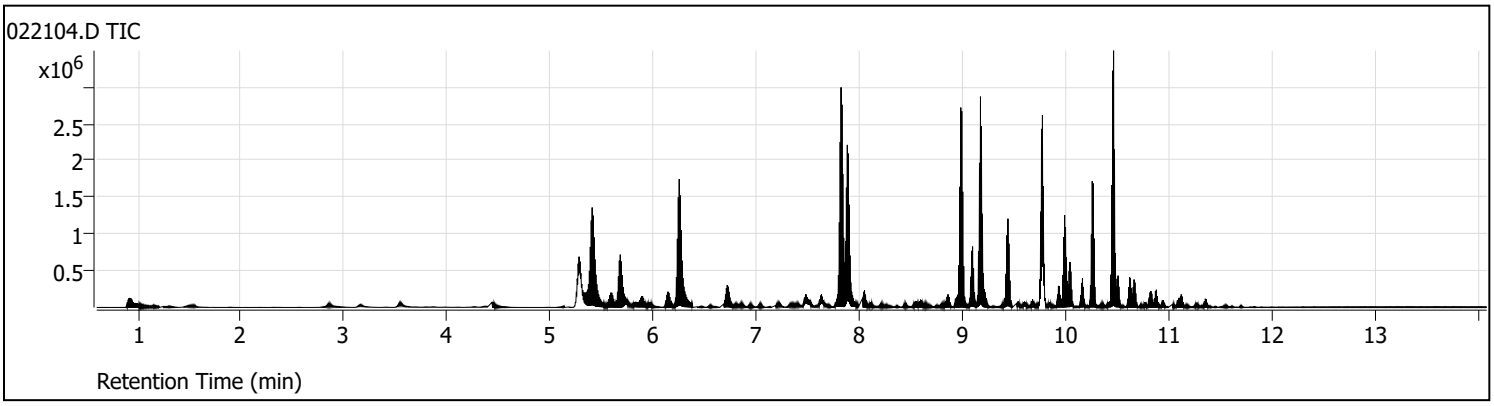


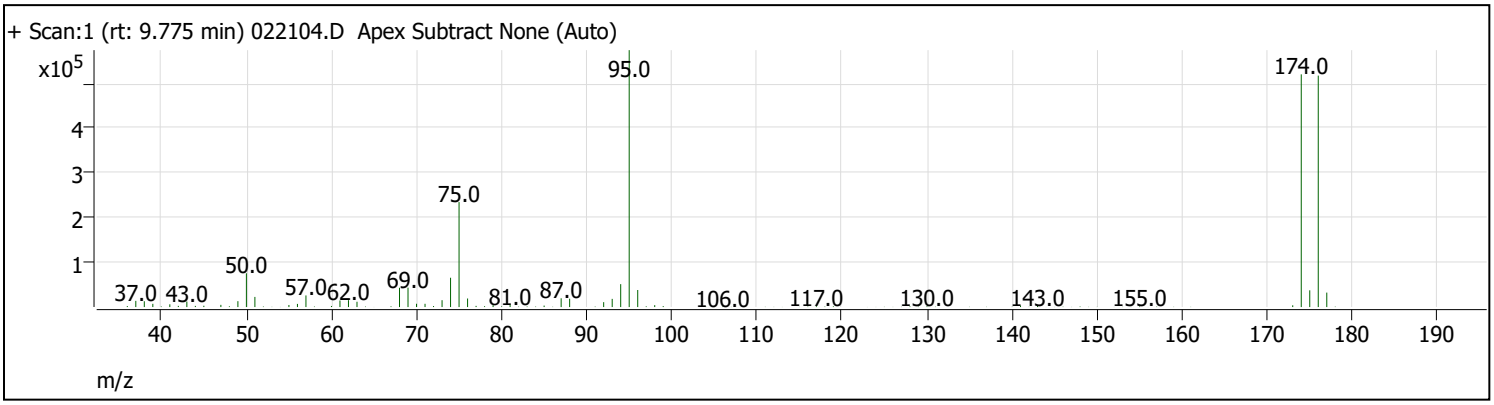


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	125.5	451370	Pass
96	95	5	9	6.7	30214	Pass
173	174	0	2	0.9	3274	Pass
174	95	50	200	79.7	359778	Pass
175	174	5	9	7.3	26409	Pass
176	174	95	105	99.4	357559	Pass
177	176	5	10	6.2	22104	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\022125\022104.D
Acq on:	2/21/2025 10:08:20 AM
Operator:	KJ/FG
Sample:	GX CCV
Inst Name:	GC-27
ALS Vial:	68
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	110.4	574686	Pass
96	95	5	9	6.6	38185	Pass
173	174	0	2	0.8	3942	Pass
174	95	50	200	90.6	520542	Pass
175	174	5	9	7.2	37439	Pass
176	174	95	105	99.5	517736	Pass
177	176	5	10	6.2	32346	Pass

Internal Standards

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-27_250224A

Run No: 97824

Lab File ID (Standard): 012311.D

Instrument ID: GC-27

GC Column: ID (mm):

CCV Name: GX SS MDPT 97187

CCV SeqNo: 2038000

Date Analyzed: 1/23/2025

Time Analyzed: 18:56

Length (M):

		IS1 (CBZ) AREA #	RT #	IS2 (14DCBZ) AREA #	RT #				
	12 HOUR STD	4819239	8.992	5470597	10.465				
	UPPER LIMIT	9638478	9.492	10941194	10.965				
	LOWER LIMIT	2409620	8.492	2735299	9.965				
	SAMPLE NO.								
01	GX CCV 46845A	5.61984e+006	8.983	6.18513e+006	10.465				
02	GX CCV 46845B	5.34387e+006	8.983	6.01773e+006	10.465				

IS1 (CBZ) = Chlorobenzene-d5
IS2 (14DCBZ) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-27_250224A

Run No: 97824

Lab File ID (Standard): 022104.D

Instrument ID: GC-27

GC Column: ID (mm):

CCV Name: GX CCV 46845A

CCV SeqNo: 2038027

Date Analyzed: 2/21/2025

Time Analyzed: 10:08

Length (M):

		IS1 (CBZ) AREA #	RT #	IS2 (14DCBZ) AREA #	RT #				
	12 HOUR STD	5619835	8.983	6185133	10.465				
	UPPER LIMIT	11239670	9.483	12370266	10.965				
	LOWER LIMIT	2809918	8.483	3092567	9.965				
	SAMPLE NO.								
01	LCS-46845	5.61984e+006	8.983	6.18513e+006	10.465				
02	MB-46845	5.60551e+006	8.983	5.96155e+006	10.465				
03	2502393-005A	5.37686e+006	8.983	5.58056e+006	10.465				
04	2502393-001A	5.5617e+006	8.983	5.79244e+006	10.465				
05	2502393-002A	5.55862e+006	8.983	5.81423e+006	10.465				
06	2502393-003A	5.46065e+006	8.984	5.79736e+006	10.465				
07	2502393-004A	5.47665e+006	8.983	5.75984e+006	10.465				
08	2502393-004ADUP	5.28674e+006	8.983	5.46581e+006	10.465				

IS1 (CBZ) = Chlorobenzene-d5
IS2 (14DCBZ) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Supporting Data

VOC SIM Prep Bench Sheet

Analyst:	Linh Davidson
Date and Time:	2/24/25
Batch:	462415

Spikes / Chemicals / Reagents	Omega ID	Amount Used	Final Volume
VOC Standard 20 µg/mL (LCS/LCSD)	309104	12.5 µL	50 mL
1,4-Dioxane Standard 2,000 µg/mL (LCS/LCSD)	N/A	25 µL	
VOC Standard 20 µg/mL (MS/MSD)	309104	10.75 µL	43 mL
1,4-Dioxane Standard 2,000 µg/mL (MS/MSD)	N/A	12.5 µL	
Methanol (if applicable)			
OPX LCS	309832	10 µL	50 mL

Notes/Modifications

Batch accepted
2/24/25
by KS

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date

Equipment	
Pipette:	
Balance:	
Other:	

Dilutions

Sample ID	Dilution Description

Sign and date below if you contributed to the preparation of this batch

2/24/25

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **2/21/2025 4:23:36 P**
Prep End Date:
Technician: **Kelsey Jones**

Prep Factor Units:
mL / mL

Prep Batch ID: **46845** Prep Code: **PREP-5030** Method No: **SW5030**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46845		Water	40	40	1.000	2/21/2025	Preliminary
LCS-46845		Water	40	40	1.000	2/21/2025	Preliminary
2502393-001A	GEI-11_022025	Water	40	40	1.000	2/21/2025	Preliminary
2502393-002A	GEI-12_022025	Water	40	40	1.000	2/21/2025	Preliminary
2502393-003A	GEI-13_022025	Water	40	40	1.000	2/21/2025	Preliminary
2502393-004A	GEI-DUP_022025	Water	40	40	1.000	2/21/2025	Preliminary
2502393-004ADUP		Water	40	40	1.000	2/21/2025	Preliminary
2502393-005A	Trip Blank-022025	Water	40	40	1.000	2/21/2025	Preliminary

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **2/21/2025 4:23:36 P**
Prep End Date: **2/21/2025 5:00:00 P**
Technician: **Kelsey Jones**

Prep Factor Units:
mL / mL

Prep Batch ID: **46845** Prep Code: **PREP-5030** Method No: **SW5030**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46845		Water	40	40	1.000	2/21/2025	2/21/2025
LCS-46845		Water	40	40	1.000	2/21/2025	2/21/2025
2502393-001A	GEI-11_022025	Water	40	40	1.000	2/21/2025	2/21/2025
2502393-002A	GEI-12_022025	Water	40	40	1.000	2/21/2025	2/21/2025
2502393-003A	GEI-13_022025	Water	40	40	1.000	2/21/2025	2/21/2025
2502393-004A	GEI-DUP_022025	Water	40	40	1.000	2/21/2025	2/21/2025
2502393-004ADUP		Water	40	40	1.000	2/21/2025	2/21/2025
2502393-005A	Trip Blank-022025	Water	40	40	1.000	2/21/2025	2/21/2025

Reporting Checklist

Analyst: Lina Davidson
Workorder(s): 2502393
Date: 2/24/25
Prep #: 46845
Run(s) #: 97824
Analysis: O-VOC-GX-W

Y/N		Reviewed
Y	**Run complete? (i.e., all QC, samples, dilutions present)**	✔
Y	**All QC within limits?** [ ] Exceedances acceptable per QA Manual and/or Auth'd by PM____?	✔

☐CCV out ☐LCS out ☐MS out ☐Blank hits ☐IS/surr out ☐RPD out
☐Hold time ☐Other_____

[ ] Any pending dilutions, re-extracts, or reanalysis to be completed in future run?

N/A	**Manual entries/narratives reviewed for accuracy? (note below)** Analyst: Reviewer:	
✔	**Omega checks performed?**	✔
✔	SampID, Test Code, Type, Prep	
	PMOIST, pH	
✔	BLKref, SPKref, RPDref, CCVref	
✔	Attachments	✔
	☑Sequence ☑Cgrams ☑Bench Sheets ☑Perf Checks ☑Tech Doc	
✔	Related Info	✔
	☑ICAL Ref ☑ICAL Ack/QA'd? ☑Spiking Info/CCV Std ☐_____	
✔	Reporting Checks	✔
	☐Dilutions data/narr redundancy check ☐RLs OK (low wt, high pmoist, dilutions)	

Notes for Reviewer

By signing, I attest that I have followed the SOP

LAD 2/24/25
Analyst Date

Savannah Houser 2/24/25
Reviewer Date

DATA SET for Review - Deliverable Requirements

PAHs by EPA Method 8270E SIM

Alliance Technical Group Work Order No. 2502393

GeoEngineers

Project Name: 701/709 South Jackson St.

Project Number: 24504-001-04

This data set contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information
- Internal Standards Report

Injection Log

Data Directory: X:\GC-14\Data\2025\020525\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 020501.D	8270E_SIM_625_15m.M			
CO		3	1.000	05 Feb 2025 10:22 am
2) 020502.D	8270E_SCAN_625_15m.M			
tune		1	1.000	05 Feb 2025 10:38 am
3) 020503.D	8270E_SIM_625_15m.M			
PAH 10		71	1.000	05 Feb 2025 10:55 am
4) 020504.D	8270E_SIM_625_15m.M			
PAH 20		72	1.000	05 Feb 2025 11:11 am
5) 020505.D	8270E_SIM_625_15m.M			
PAH 40		73	1.000	05 Feb 2025 11:28 am
6) 020506.D	8270E_SIM_625_15m.M			
PAH 100		74	1.000	05 Feb 2025 11:44 am
7) 020507.D	8270E_SIM_625_15m.M			
PAH 200		75	1.000	05 Feb 2025 12:00 pm
8) 020508.D	8270E_SIM_625_15m.M			
PAH 500		76	1.000	05 Feb 2025 12:16 pm
9) 020509.D	8270E_SIM_625_15m.M			
PAH 750		77	1.000	05 Feb 2025 12:32 pm
10) 020510.D	8270E_SIM_625_15m.M			
PAH 1000		78	1.000	05 Feb 2025 12:48 pm
11) 020511.D	8270E_SIM_625_15m.M			
PAH 2000		79	1.000	05 Feb 2025 01:05 pm
12) 020512.D	8270E_SIM_625_15m.M			
PAH 5000		80	1.000	05 Feb 2025 01:21 pm
13) 020513.D	8270E_SIM_625_15m.M			
PAH ICB		81	1.000	05 Feb 2025 01:37 pm
14) 020514.D	8270E_SIM_625_15m.M			
PAH ICV		82	1.000	05 Feb 2025 01:53 pm
15) 020515.D	8270E_SCAN_625_15m.M			
tune		1	1.000	05 Feb 2025 02:09 pm
16) 020516.D	8270E_SIM_625_15m.M			
MB-46656		83	1.000	05 Feb 2025 04:23 pm
17) 020517.D	8270E_SIM_625_15m.M			
LCS-46656		84	1.000	05 Feb 2025 04:39 pm
18) 020518.D	8270E_SIM_625_15m.M			
2501537-001A		85	1.000	05 Feb 2025 04:55 pm
19) 020519.D	8270E_SIM_625_15m.M			
2501537-002A		86	1.000	05 Feb 2025 05:11 pm
20) 020520.D	8270E_SIM_625_15m.M			
CO		3	1.000	05 Feb 2025 05:27 pm
21) 020521.D	8270E_SIM_625_15m.M			
2502015-001A		87	1.000	05 Feb 2025 05:43 pm
22) 020522.D	8270E_SIM_625_15m.M			
2502015-001AMS		88	1.000	05 Feb 2025 05:59 pm
23) 020523.D	8270E_SIM_625_15m.M			
2502015-001AMSD		89	1.000	05 Feb 2025 06:15 pm
24) 020524.D	8270E_SIM_625_15m.M			
2502015-002A		90	1.000	05 Feb 2025 06:31 pm

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 25) 020525.D              8270E_SIM_625_15m.M
CO                                      3    1.000      05 Feb 2025  06:47 pm
  ----------------------------------------------------------------------------
 26) 020526.D              8270E_SIM_625_15m.M
CCV                                    82    1.000      05 Feb 2025  07:03 pm
  ----------------------------------------------------------------------------
```

Injection Log

Data Directory: Y:\GC-14\Data\2025\022425\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 022401.D	8270E_SIM_625_15m.M			
CO		3	1.000	24 Feb 2025 08:23 am
2) 022402.D	8270E_SCAN_625_15m.M			
tune		1	1.000	24 Feb 2025 08:39 am
3) 022403.D	8270E_SIM_625_15m.M			
CCV		2	1.000	24 Feb 2025 08:56 am
4) 022404.D	8270E_SIM_625_15m.M			
LCS-46817		112	1.000	24 Feb 2025 09:12 am
5) 022405.D	8270E_SIM_625_15m.M			
mdl 3		116	1.000	24 Feb 2025 11:54 am
6) 022406.D	8270E_SIM_625_15m.M			
mdl 2		130	1.000	24 Feb 2025 12:41 pm
7) 022407.D	8270E_SIM_625_15m.M			
mdl 1		129	1.000	24 Feb 2025 12:57 pm
8) 022408.D	8270E_SIM_625_15m.M			
CO		3	1.000	24 Feb 2025 03:26 pm
9) 022409.D	8270E_SIM_625_15m.M			
CCV		2	1.000	24 Feb 2025 03:43 pm
10) 022410.D	8270E_SIM_625_15m.M			
CO		3	1.000	24 Feb 2025 04:02 pm
11) 022411.D	8270E_SCAN_625_15m.M			
tune		1	1.000	24 Feb 2025 04:18 pm
12) 022412.D	8270E_SIM_625_15m.M			
MB-46844		117	1.000	24 Feb 2025 04:35 pm
13) 022413.D	8270E_SIM_625_15m.M			
LCS-46844		118	1.000	24 Feb 2025 04:51 pm
14) 022414.D	8270E_SIM_625_15m.M			
LCSD-46844		119	1.000	24 Feb 2025 05:08 pm
15) 022415.D	8270E_SIM_625_15m.M			
2502364-001A		120	1.000	24 Feb 2025 05:24 pm
16) 022416.D	8270E_SIM_625_15m.M			
2502364-002A		121	1.000	24 Feb 2025 05:41 pm
17) 022417.D	8270E_SIM_625_15m.M			
2502364-003A		122	1.000	24 Feb 2025 05:57 pm
18) 022418.D	8270E_SIM_625_15m.M			
2502364-004A		123	1.000	24 Feb 2025 06:14 pm
19) 022419.D	8270E_SIM_625_15m.M			
2502364-005A		124	1.000	24 Feb 2025 06:30 pm
20) 022420.D	8270E_SIM_625_15m.M			
CO		3	1.000	25 Feb 2025 08:02 am

21) 022421.D	8270E_SCAN_625_15m.M					
tune		1	1.000	25 Feb 2025	08:18	am
22) 022422.D	8270E_SIM_625_15m.M					
CCV		2	1.000	25 Feb 2025	08:35	am
23) 022423.D	8270E_SIM_625_15m.M					
2502364-005A		124	1.000	25 Feb 2025	08:51	am
24) 022424.D	8270E_SIM_625_15m.M					
2502364-006A		125	1.000	25 Feb 2025	09:08	am
25) 022425.D	8270E_SIM_625_15m.M					
2502364-007A		126	1.000	25 Feb 2025	09:24	am
26) 022426.D	8270E_SIM_625_15m.M					
2502364-008A		127	1.000	25 Feb 2025	09:41	am
27) 022427.D	8270E_SIM_625_15m.M					
2502364-009A		128	1.000	25 Feb 2025	09:57	am
28) 022428.D	8270E_SIM_625_15m.M					
2502364-010A		131	1.000	25 Feb 2025	10:14	am
29) 022429.D	8270E_SIM_625_15m.M					
2502365-001A		132	1.000	25 Feb 2025	10:31	am
30) 022430.D	8270E_SIM_625_15m.M					
2502365-002A		133	1.000	25 Feb 2025	10:47	am
31) 022431.D	8270E_SIM_625_15m.M					
2502365-003A		134	1.000	25 Feb 2025	11:04	am
32) 022432.D	8270E_SIM_625_15m.M					
2502371-001A		135	1.000	25 Feb 2025	11:20	am
33) 022433.D	8270E_SIM_625_15m.M					
2502391-001C		136	1.000	25 Feb 2025	11:37	am
34) 022434.D	8270E_SIM_625_15m.M					
CO		3	1.000	25 Feb 2025	11:54	am
35) 022435.D	8270E_SIM_625_15m.M					
MB-46853		51	1.000	25 Feb 2025	12:10	pm
36) 022436.D	8270E_SIM_625_15m.M					
LCS-46853		52	1.000	25 Feb 2025	12:27	pm
37) 022437.D	8270E_SIM_625_15m.M					
LCSD-46853		53	1.000	25 Feb 2025	12:44	pm
38) 022438.D	8270E_SIM_625_15m.M					
2502438-001C		54	1.000	25 Feb 2025	01:00	pm
39) 022439.D	8270E_SIM_625_15m.M					
~~2502365-006A~~ 2502393-001E SRH 2/26/25		137	1.000	25 Feb 2025	01:17	pm
40) 022440.D	8270E_SIM_625_15m.M					
~~2502365-007A~~ 2502393-002E SRH 2/26/25		138	1.000	25 Feb 2025	01:34	pm
41) 022441.D	8270E_SIM_625_15m.M					
~~2502365-008A~~ 2502393-003E SRH 2/26/25		139	1.000	25 Feb 2025	01:50	pm
42) 022442.D	8270E_SIM_625_15m.M					
~~2502365-009A~~ 2502393-004E SRH 2/26/25		140	1.000	25 Feb 2025	02:07	pm

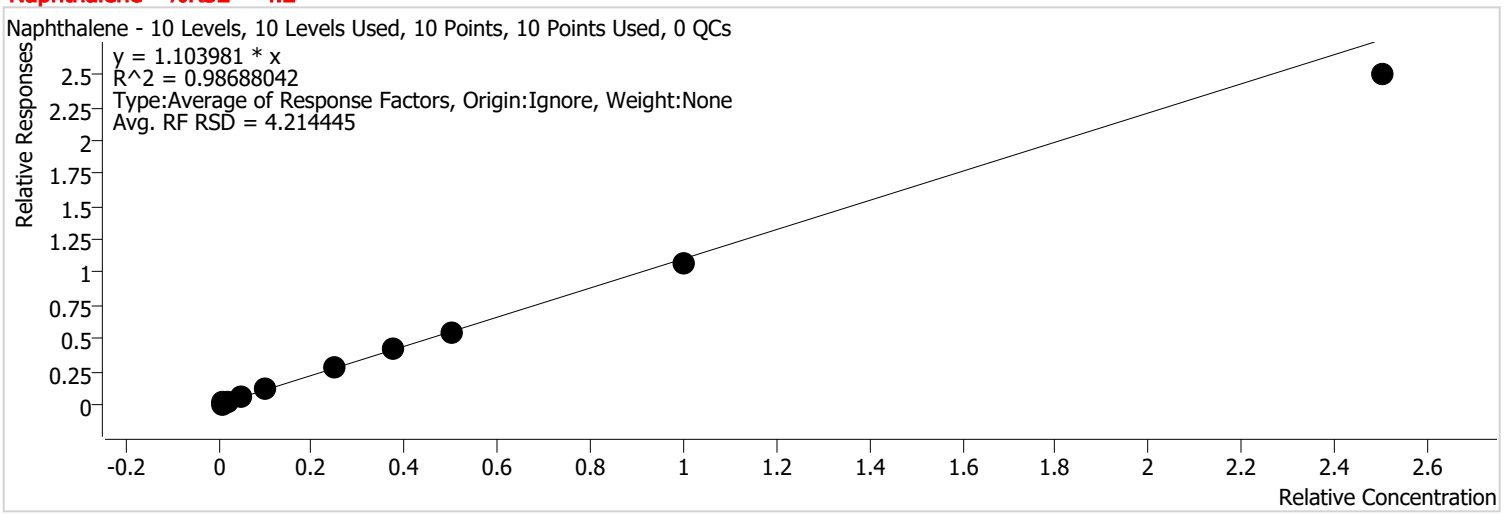
43) 022443.D		8270E_SIM_625_15m.M				
2502365-010A	2502404-001C SRH 2/26/25		141	1.000	25 Feb 2025	02:24 pm
44) 022444.D		8270E_SIM_625_15m.M				
CO			3	1.000	25 Feb 2025	02:41 pm
45) 022445.D		8270E_SIM_625_15m.M				
CCV			2	1.000	25 Feb 2025	02:57 pm

Calibration

Calibration Report

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:54 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

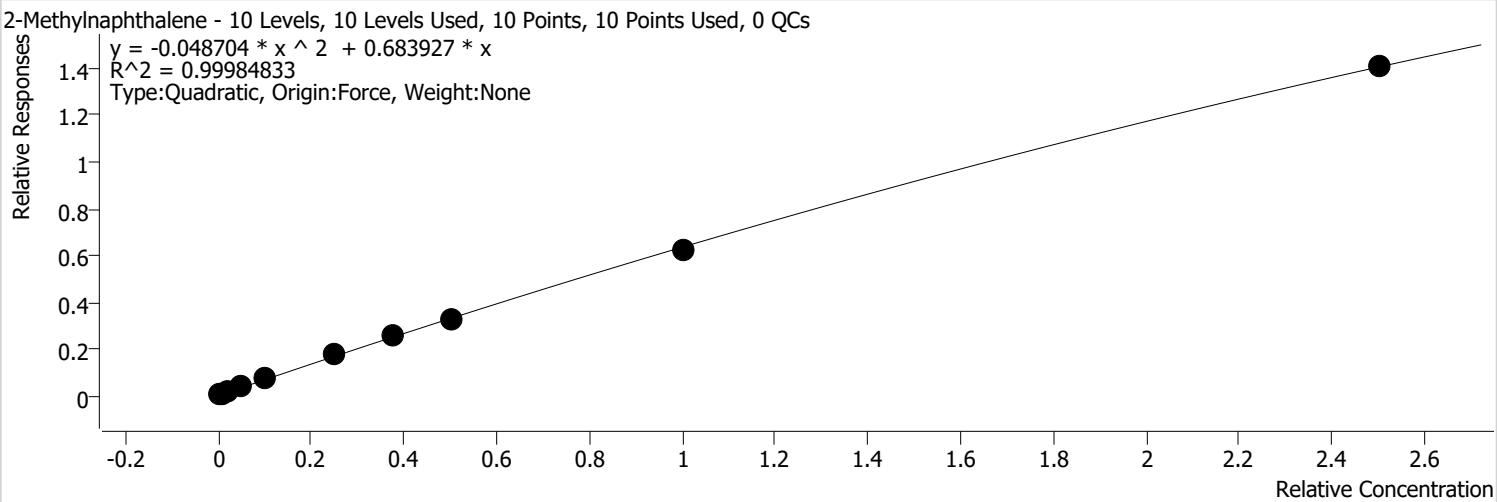
Naphthalene %RSE = 4.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	618	10.0000	1.1591	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	1195	20.0000	1.1224	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	2491	40.0000	1.1509	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	5990	100.0000	1.1142	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	12167	200.0000	1.1301	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	30025	500.0000	1.0984	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	46107	750.0000	1.1166	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	60218	1000.0000	1.0814	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	121627	2000.0000	1.0685	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	291067	5000.0000	0.9984	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Methylnaphthalene %RSE = 7.5

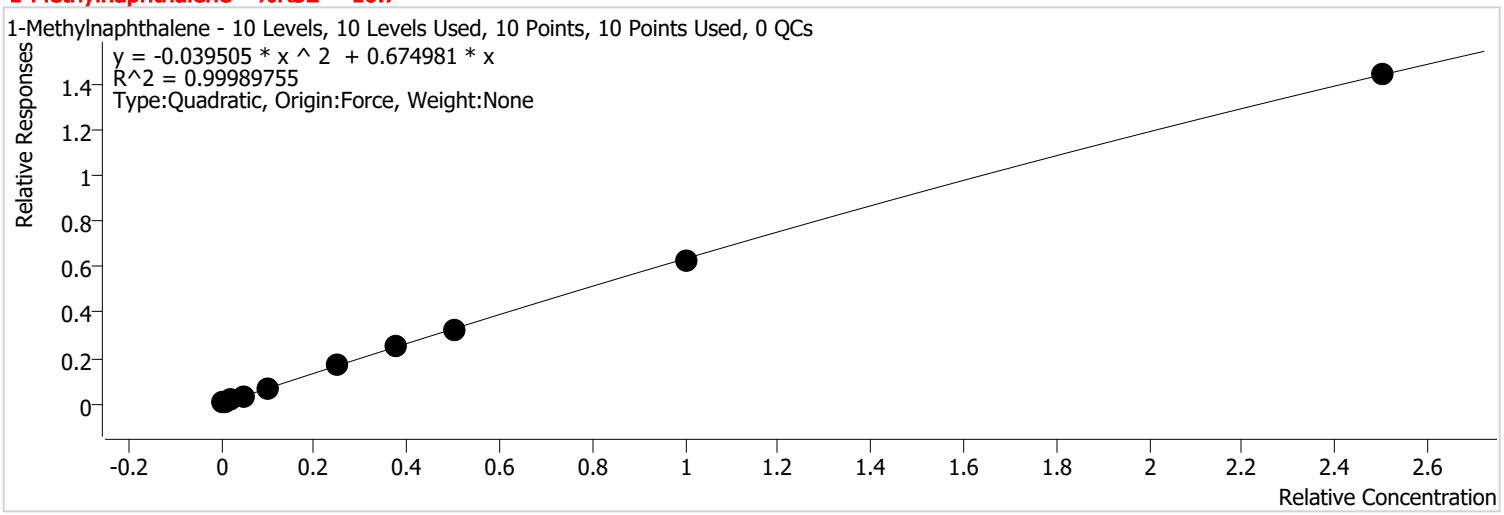


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	421	10.0000	0.7892	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	691	20.0000	0.6490	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	1542	40.0000	0.7125	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	3903	100.0000	0.7259	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	7744	200.0000	0.7192	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	19058	500.0000	0.6972	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	28631	750.0000	0.6933	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	36848	1000.0000	0.6617	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	71233	2000.0000	0.6258	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	164035	5000.0000	0.5626	

Calibration Report

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

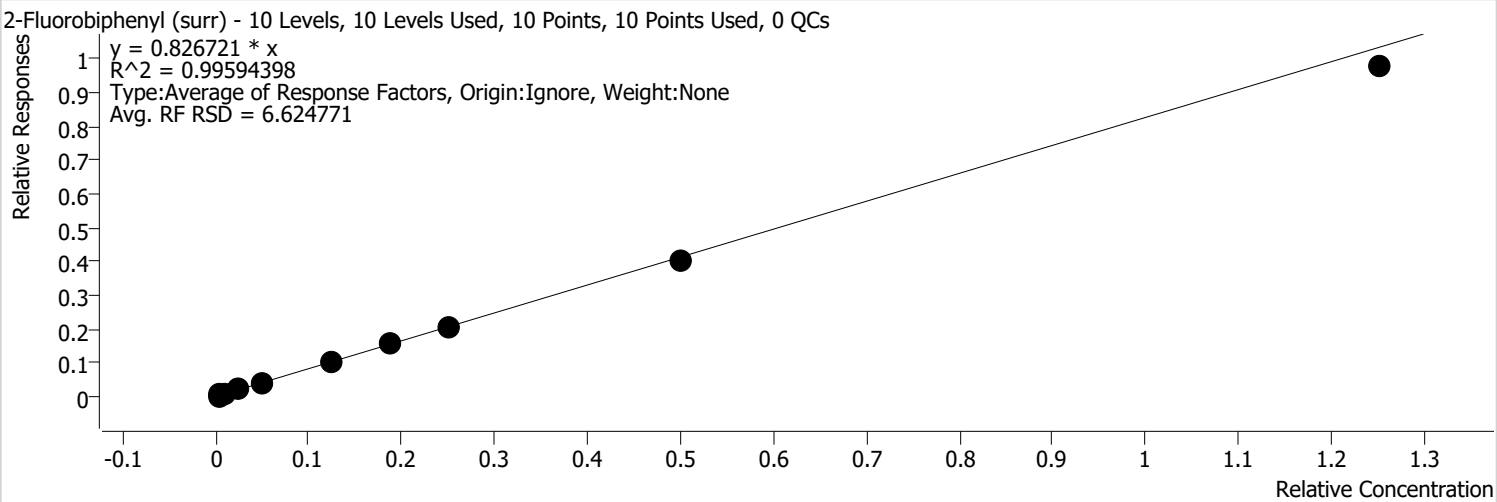
1-Methylnaphthalene %RSE = 10.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	421	10.0000	0.7892	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	813	20.0000	0.7631	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	1669	40.0000	0.7713	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	3874	100.0000	0.7205	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	7743	200.0000	0.7192	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	18769	500.0000	0.6866	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	28153	750.0000	0.6818	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	36505	1000.0000	0.6555	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	71487	2000.0000	0.6280	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	168105	5000.0000	0.5766	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Fluorobiphenyl (surr) %RSE =

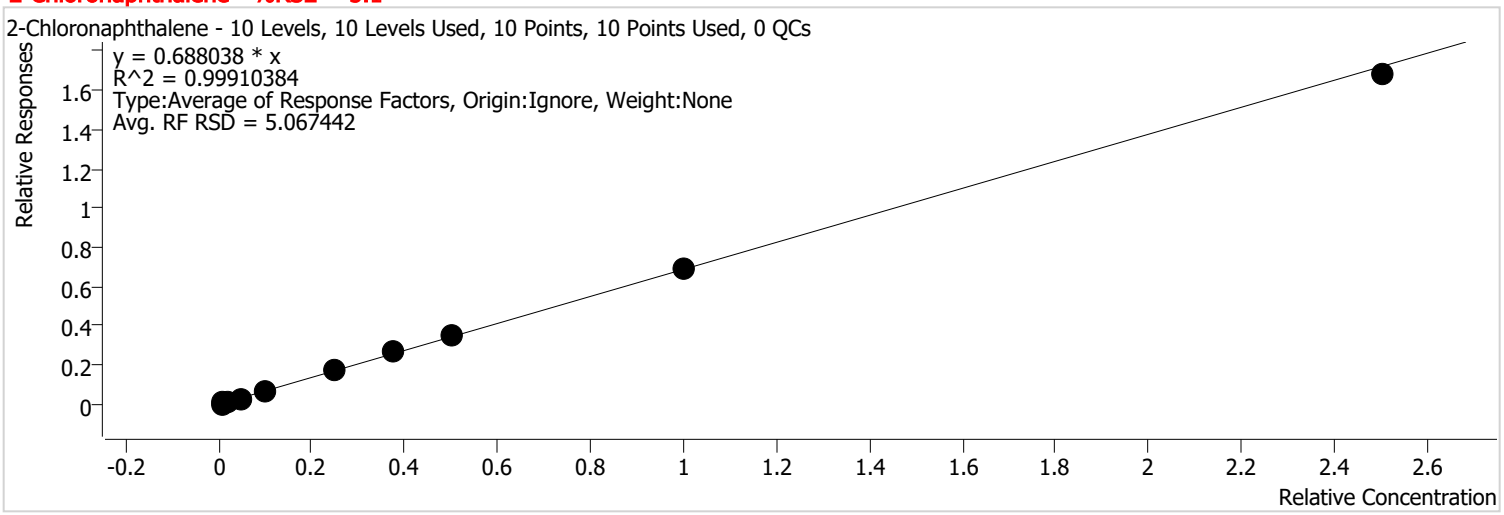


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	259	5.0000	0.9712	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	423	10.0000	0.7950	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	858	20.0000	0.7928	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	2143	50.0000	0.7970	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	4492	100.0000	0.8345	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	11214	250.0000	0.8205	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	17521	375.0000	0.8486	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	22804	500.0000	0.8190	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	45952	1000.0000	0.8074	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	113878	2500.0000	0.7812	

Calibration Report

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Chloronaphthalene %RSE = 5.1

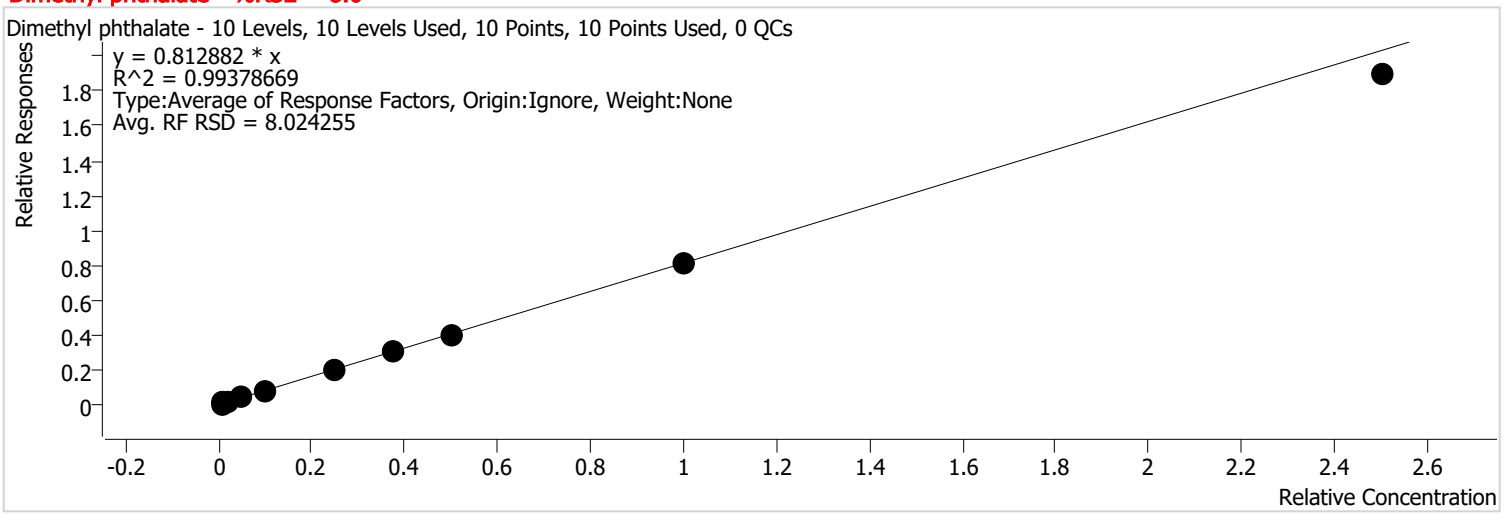


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	370	10.0000	0.6946	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	657	20.0000	0.6167	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	1455	40.0000	0.6724	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	3523	100.0000	0.6553	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	7812	200.0000	0.7256	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	19506	500.0000	0.7136	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	30179	750.0000	0.7308	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	39175	1000.0000	0.7035	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	79298	2000.0000	0.6966	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	195728	5000.0000	0.6713	

Calibration Report

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

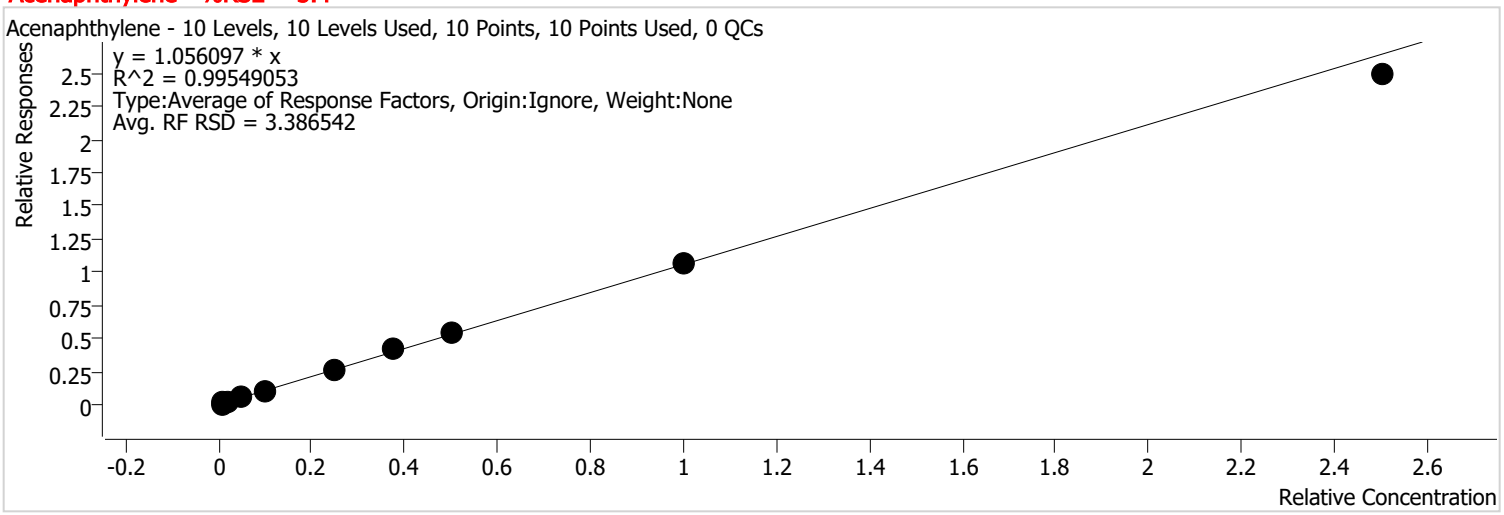
Dimethyl phthalate %RSE = 8.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	528	10.0000	0.9912	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	841	20.0000	0.7899	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	1687	40.0000	0.7796	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	4187	100.0000	0.7789	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	8764	200.0000	0.8141	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	21588	500.0000	0.7897	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	33633	750.0000	0.8145	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	44964	1000.0000	0.8074	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	91790	2000.0000	0.8064	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	220773	5000.0000	0.7572	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

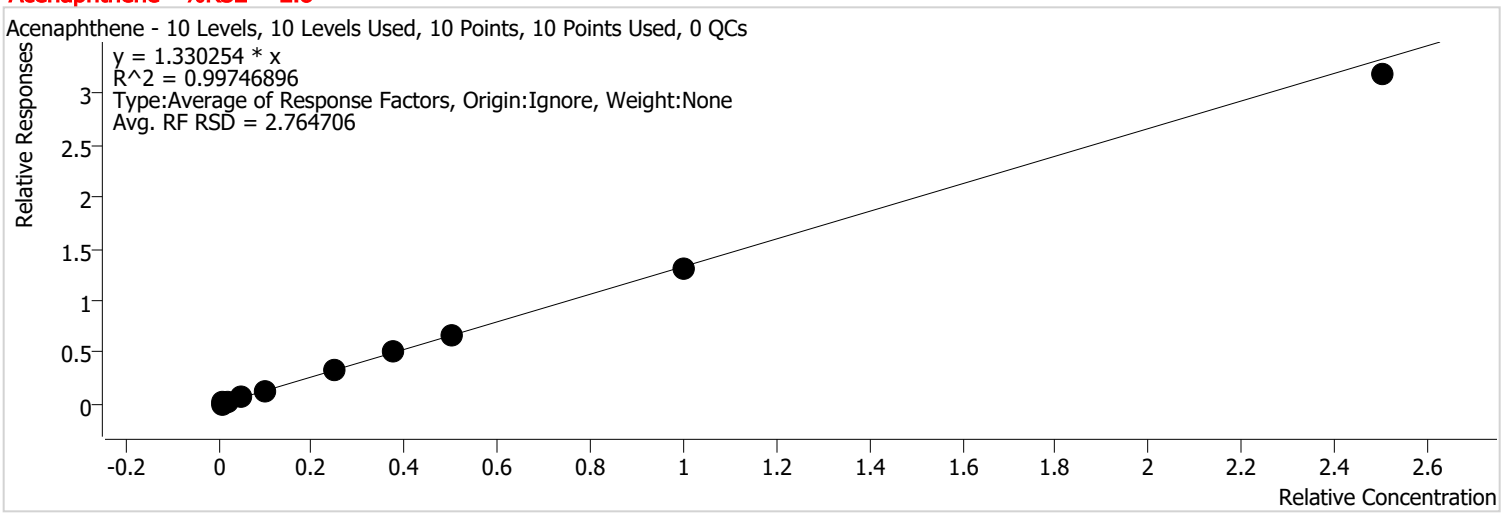
Acenaphthylene %RSE = 3.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	580	10.0000	1.0890	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	1074	20.0000	1.0089	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	2255	40.0000	1.0421	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	5527	100.0000	1.0281	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	11608	200.0000	1.0782	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	29336	500.0000	1.0732	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	45509	750.0000	1.1021	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	59726	1000.0000	1.0725	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	122065	2000.0000	1.0723	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	289943	5000.0000	0.9945	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

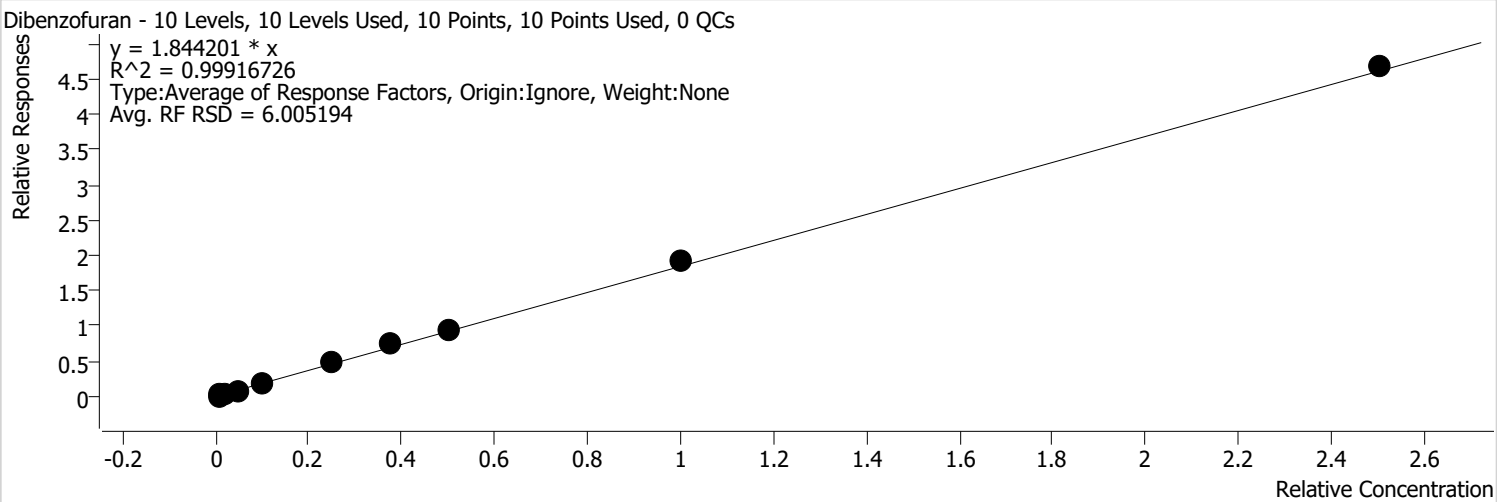
Acenaphthene %RSE = 2.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	405	10.0000	1.4134	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	763	20.0000	1.3373	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	1551	40.0000	1.3525	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	3695	100.0000	1.3146	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	7537	200.0000	1.3348	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	18315	500.0000	1.3080	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	28040	750.0000	1.3382	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	37159	1000.0000	1.3155	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	74448	2000.0000	1.3172	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	183407	5000.0000	1.2710	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

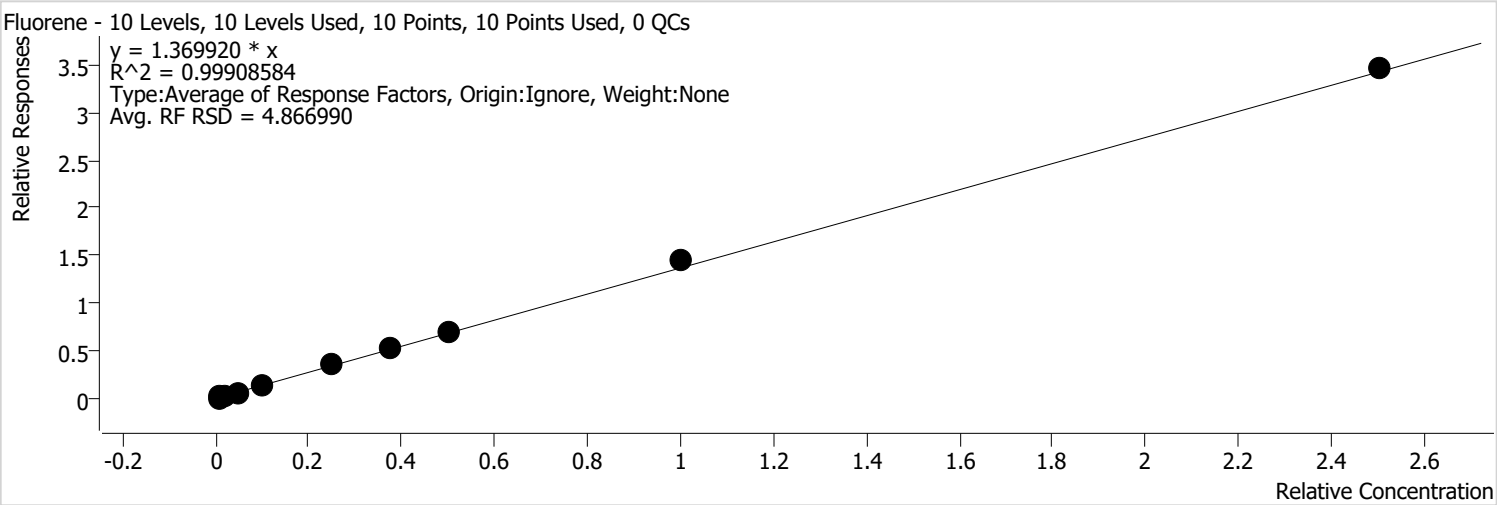
Dibenzofuran %RSE = 6.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	493	10.0000	1.7199	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	936	20.0000	1.6405	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	2010	40.0000	1.7530	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	5048	100.0000	1.7960	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	10827	200.0000	1.9173	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	26913	500.0000	1.9221	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	41517	750.0000	1.9814	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	53998	1000.0000	1.9116	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	109083	2000.0000	1.9300	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	269872	5000.0000	1.8702	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Fluorene %RSE = 4.9

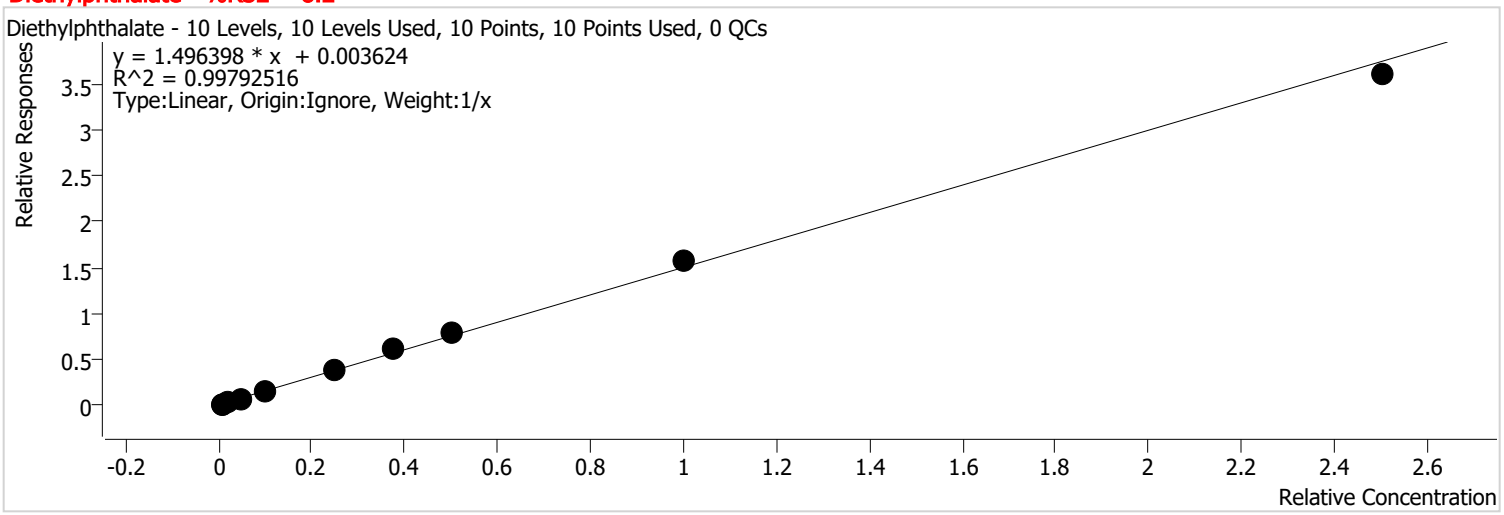


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	384	10.0000	1.3396	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	703	20.0000	1.2315	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	1520	40.0000	1.3254	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	3722	100.0000	1.3245	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	7791	200.0000	1.3797	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	19679	500.0000	1.4054	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	30281	750.0000	1.4451	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	39839	1000.0000	1.4103	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	82167	2000.0000	1.4538	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	199703	5000.0000	1.3840	

Calibration Report

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

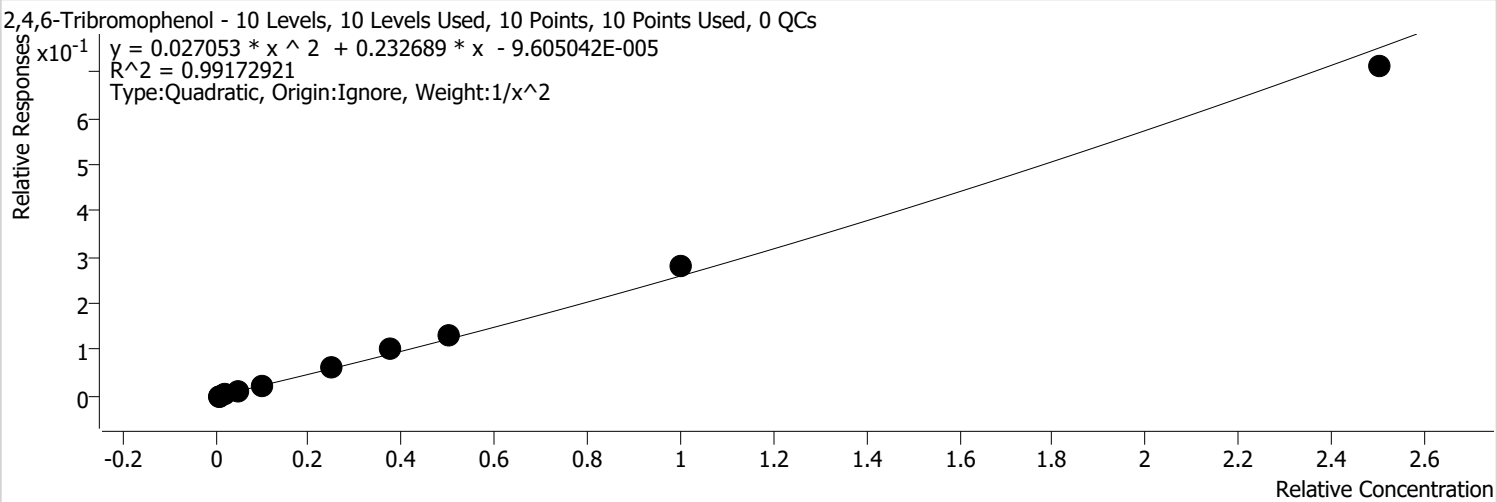
Diethylphthalate %RSE = 8.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	686	10.0000	2.3933	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	941	20.0000	1.6497	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	1792	40.0000	1.5631	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	4161	100.0000	1.4804	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	8715	200.0000	1.5433	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	21895	500.0000	1.5637	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	33857	750.0000	1.6158	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	44014	1000.0000	1.5581	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	88733	2000.0000	1.5699	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	207789	5000.0000	1.4400	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

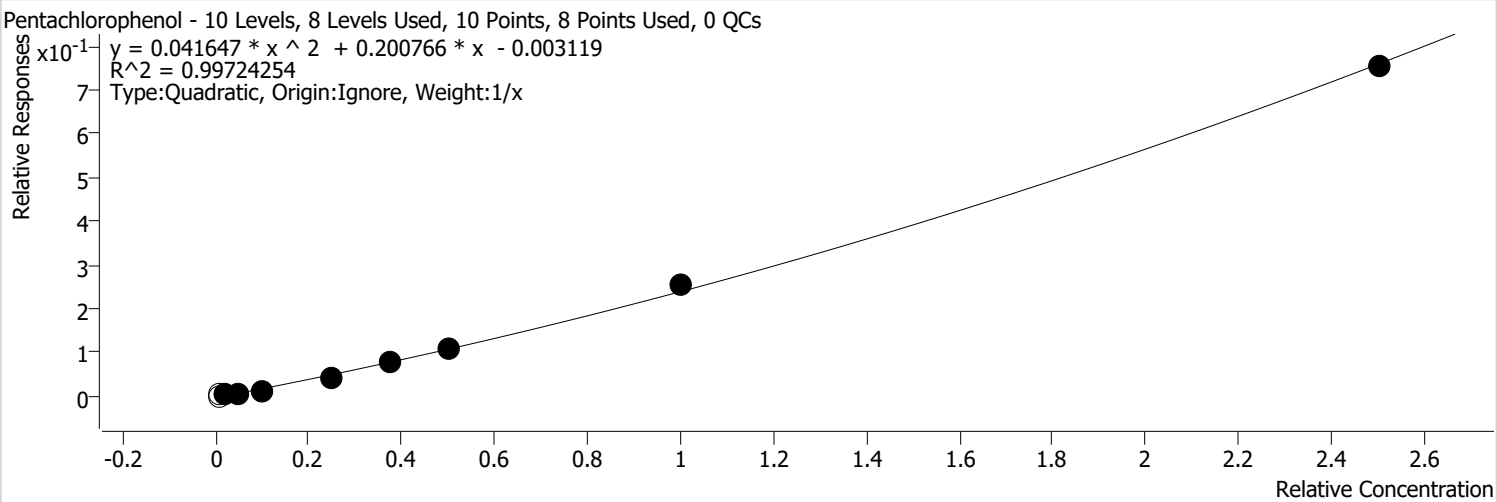
2,4,6-Tribromophenol %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	67	10.0000	0.2322	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	117	20.0000	0.2042	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	228	40.0000	0.1984	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	600	100.0000	0.2136	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	1277	200.0000	0.2262	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	3470	500.0000	0.2479	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	5595	750.0000	0.2670	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	7462	1000.0000	0.2642	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	15919	2000.0000	0.2816	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	41023	5000.0000	0.2843	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Pentachlorophenol %RSE = 20.5

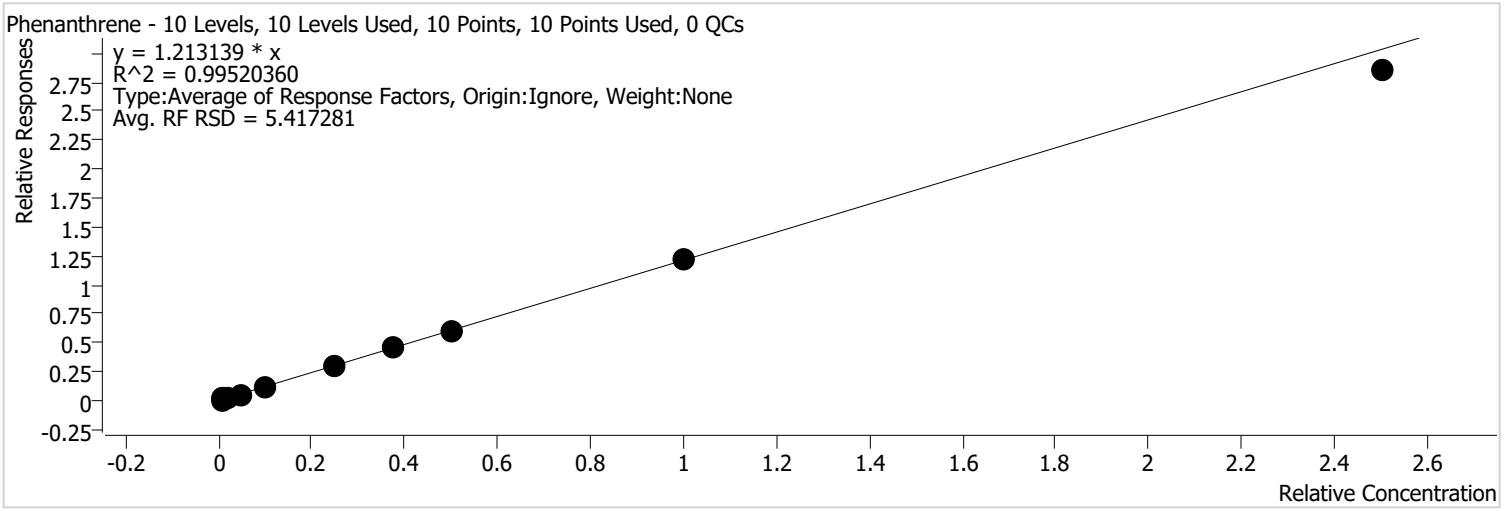


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1		157	10.0000	0.5473	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2		71	20.0000	0.1252	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	140	40.0000	0.1220	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	339	100.0000	0.1207	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	763	200.0000	0.1351	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	2330	500.0000	0.1664	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	4300	750.0000	0.2052	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	6143	1000.0000	0.2175	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	14513	2000.0000	0.2568	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	43464	5000.0000	0.3012	

Calibration Report

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

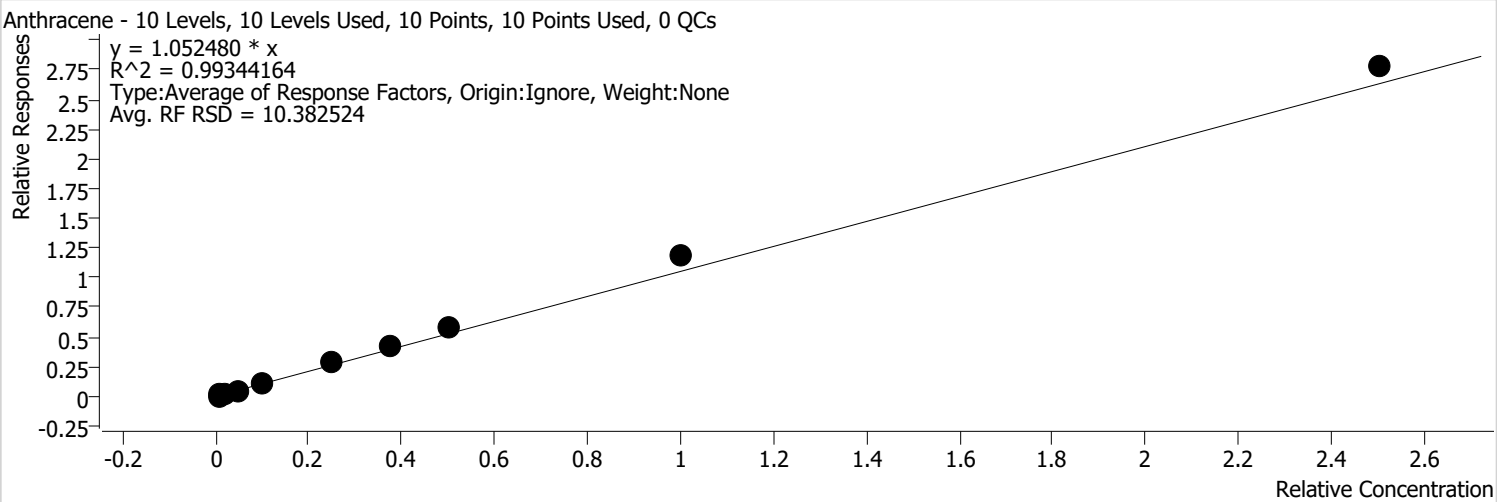
Phenanthrene %RSE = 5.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	638	10.0000	1.3743	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	1063	20.0000	1.2162	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	2102	40.0000	1.1803	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	5046	100.0000	1.1356	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	10705	200.0000	1.2176	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	26940	500.0000	1.2065	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	41357	750.0000	1.2308	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	54897	1000.0000	1.2163	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	111370	2000.0000	1.2143	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	264663	5000.0000	1.1395	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

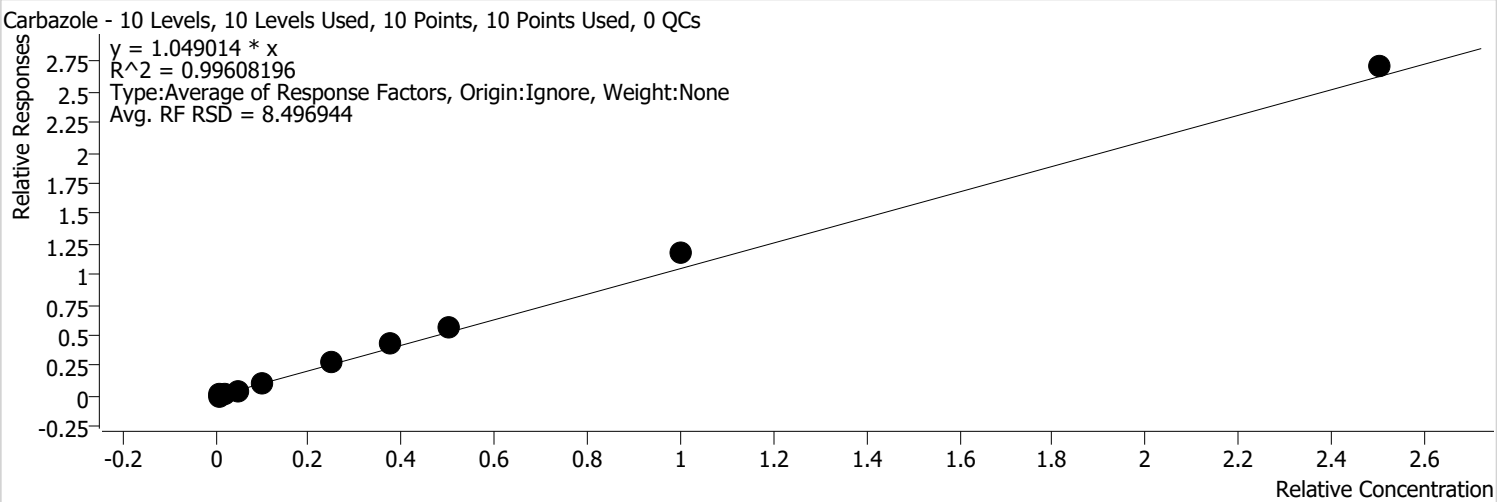
Anthracene %RSE = 10.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	420	10.0000	0.9047	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	806	20.0000	0.9222	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	1686	40.0000	0.9467	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	4258	100.0000	0.9583	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	9304	200.0000	1.0583	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	25100	500.0000	1.1241	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	38965	750.0000	1.1596	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	51896	1000.0000	1.1498	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	109214	2000.0000	1.1908	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	257907	5000.0000	1.1104	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

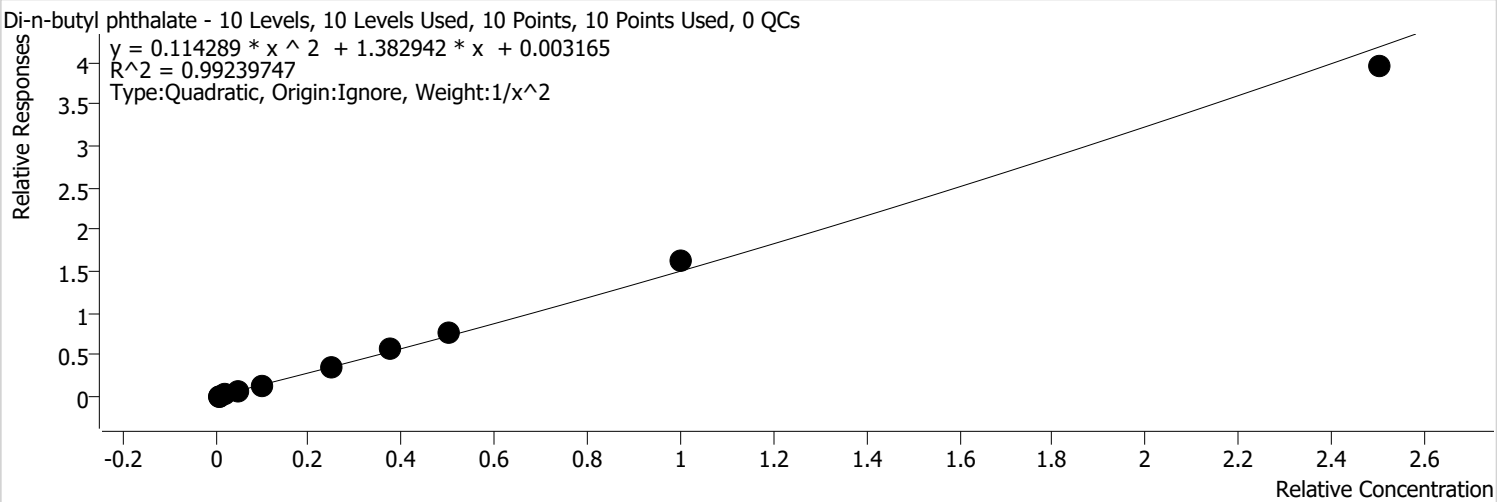
Carbazole %RSE = 8.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	427	10.0000	0.9192	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	836	20.0000	0.9571	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	1758	40.0000	0.9870	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	4285	100.0000	0.9644	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	9101	200.0000	1.0352	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	24344	500.0000	1.0902	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	38206	750.0000	1.1370	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	51788	1000.0000	1.1474	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	107363	2000.0000	1.1706	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	251322	5000.0000	1.0820	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

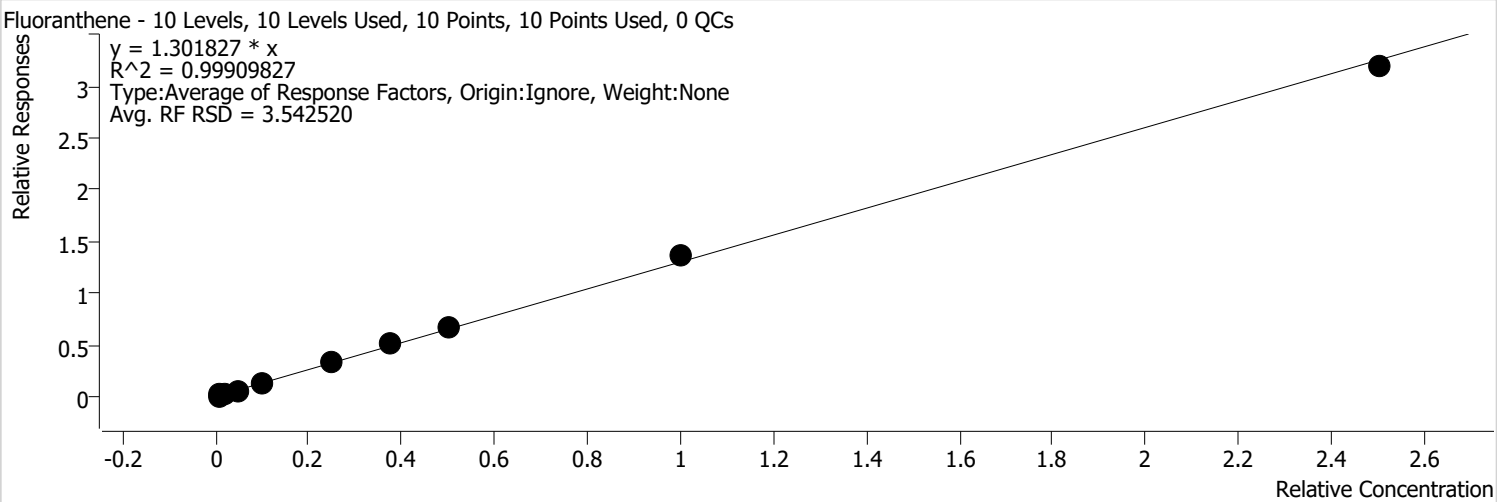
Di-n-butyl phthalate %RSE = 8.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	985	10.0000	2.1225	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	1377	20.0000	1.5755	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	2512	40.0000	1.4107	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	5875	100.0000	1.3221	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	12318	200.0000	1.4011	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	32573	500.0000	1.4588	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	52116	750.0000	1.5510	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	70279	1000.0000	1.5571	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	150239	2000.0000	1.6381	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	366214	5000.0000	1.5767	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Fluoranthene %RSE = 3.5

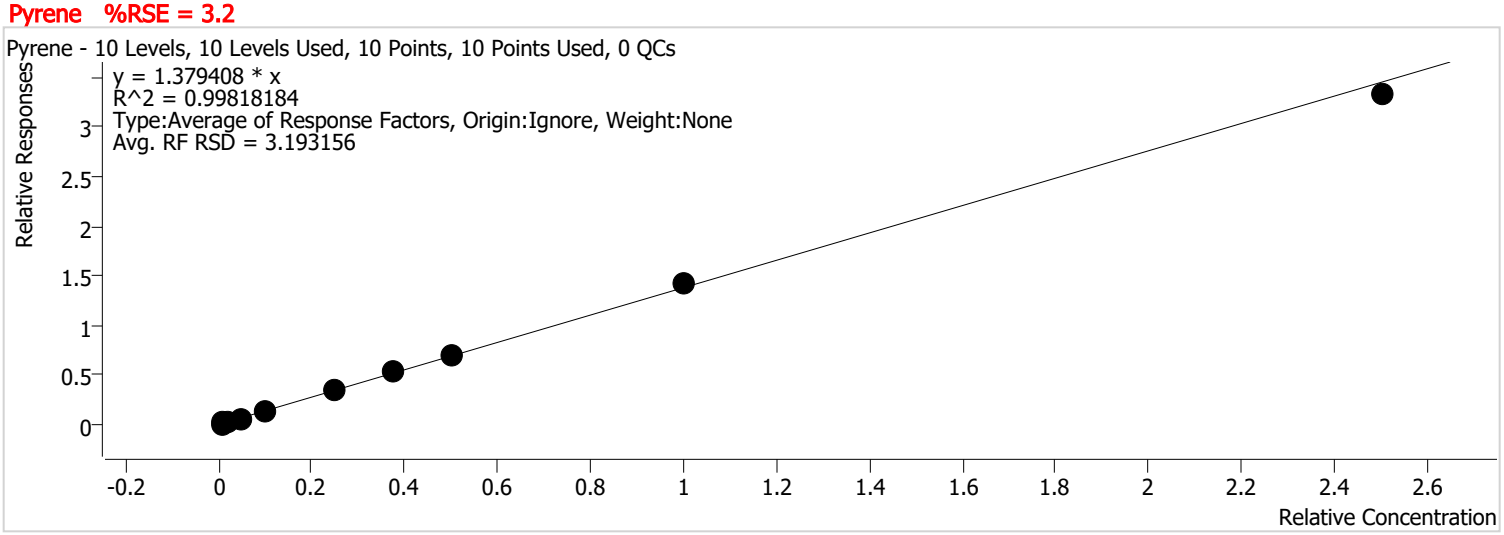


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	617	10.0000	1.3287	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	1114	20.0000	1.2746	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	2247	40.0000	1.2618	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	5417	100.0000	1.2191	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	11336	200.0000	1.2893	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	29200	500.0000	1.3077	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	45861	750.0000	1.3648	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	60514	1000.0000	1.3407	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	124323	2000.0000	1.3555	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	296362	5000.0000	1.2760	

Calibration Report

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

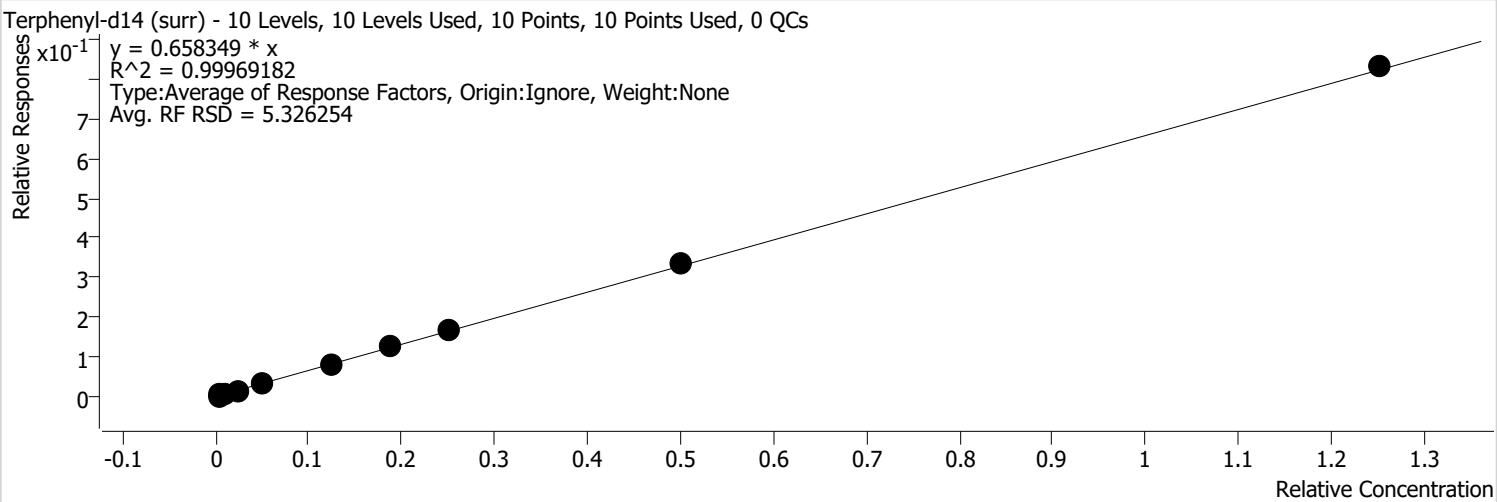
Pyrene %RSE = 3.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	668	10.0000	1.4388	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	1187	20.0000	1.3585	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	2399	40.0000	1.3469	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	5814	100.0000	1.3084	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	12157	200.0000	1.3827	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	30774	500.0000	1.3782	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	48258	750.0000	1.4362	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	63412	1000.0000	1.4049	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	129363	2000.0000	1.4105	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	308665	5000.0000	1.3289	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

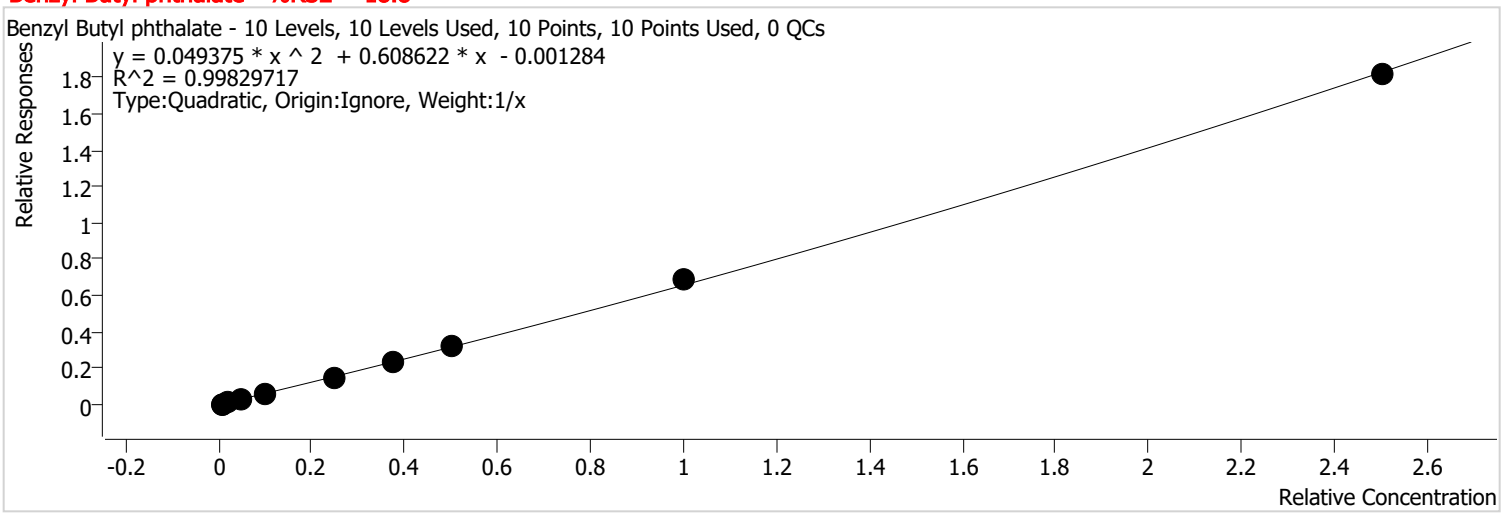
Terphenyl-d14 (surr) %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	171	5.0000	0.7376	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	282	10.0000	0.6442	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	562	20.0000	0.6316	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	1349	50.0000	0.6070	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	2835	100.0000	0.6449	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	7130	250.0000	0.6386	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	11304	375.0000	0.6728	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	14983	500.0000	0.6639	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	31074	1000.0000	0.6776	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	77260	2500.0000	0.6653	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

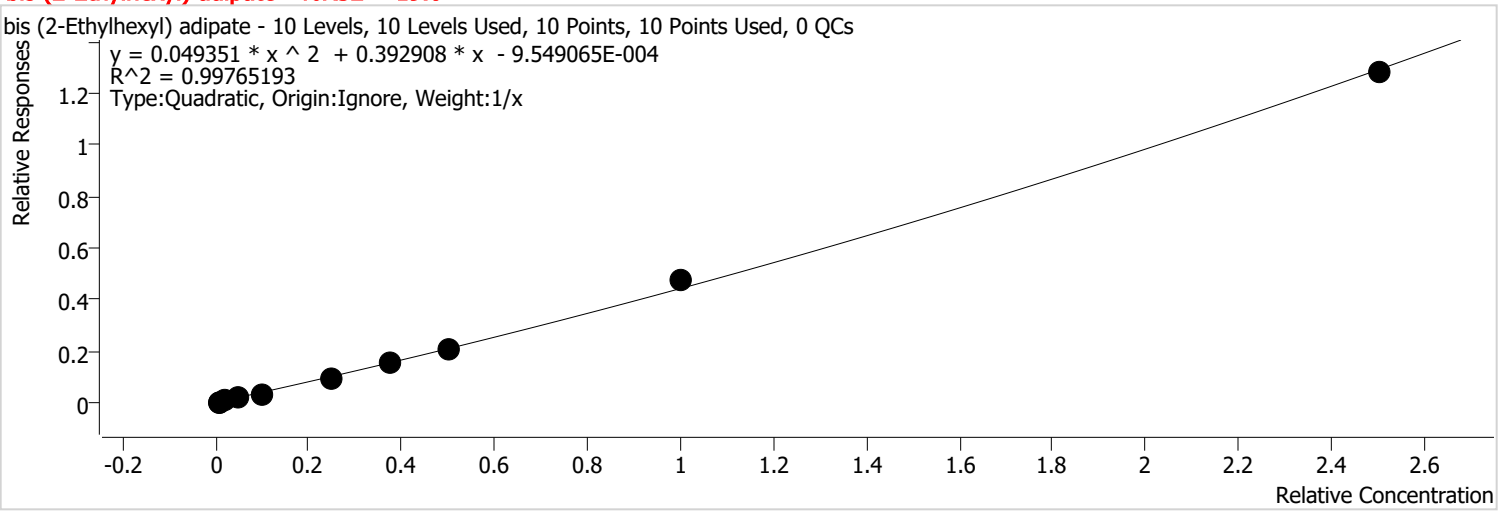
Benzyl Butyl phthalate %RSE = 18.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	281	10.0000	0.6046	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	440	20.0000	0.5029	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	860	40.0000	0.4826	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	2076	100.0000	0.4671	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	4530	200.0000	0.5153	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	12707	500.0000	0.5691	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	21098	750.0000	0.6279	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	28653	1000.0000	0.6348	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	63490	2000.0000	0.6922	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	168686	5000.0000	0.7263	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

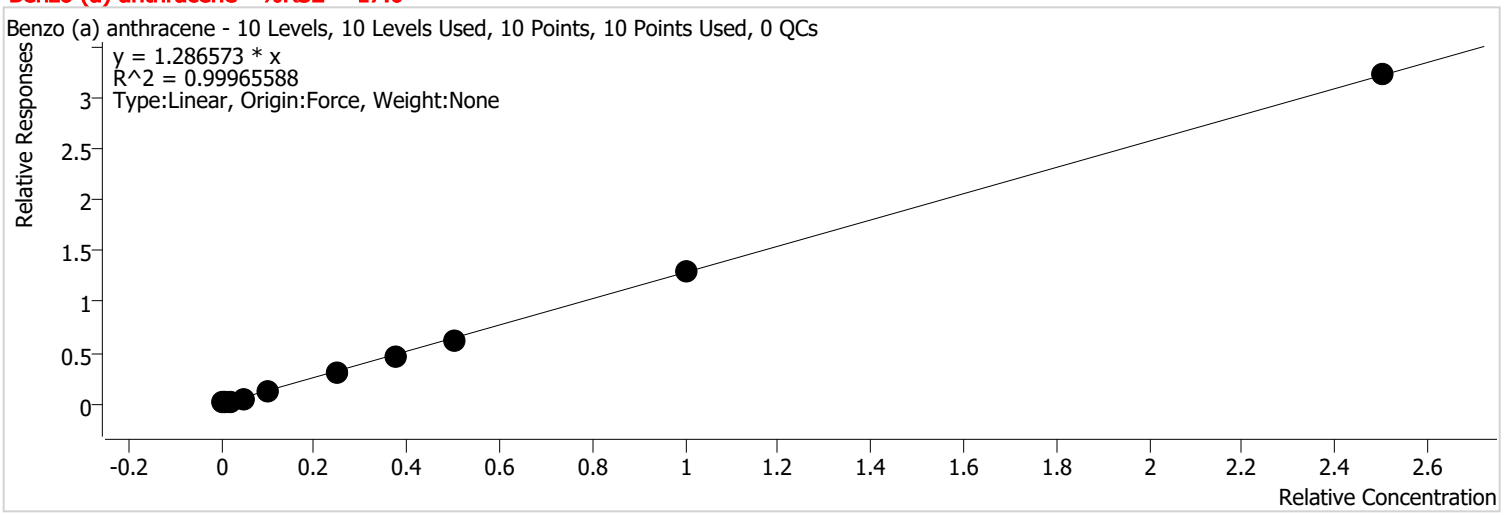
bis (2-Ethylhexyl) adipate %RSE = 19.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	169	10.0000	0.3651	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	279	20.0000	0.3189	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	560	40.0000	0.3142	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	1346	100.0000	0.3028	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	2882	200.0000	0.3278	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	8042	500.0000	0.3601	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	13603	750.0000	0.4048	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	18666	1000.0000	0.4135	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	43599	2000.0000	0.4754	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	118728	5000.0000	0.5112	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

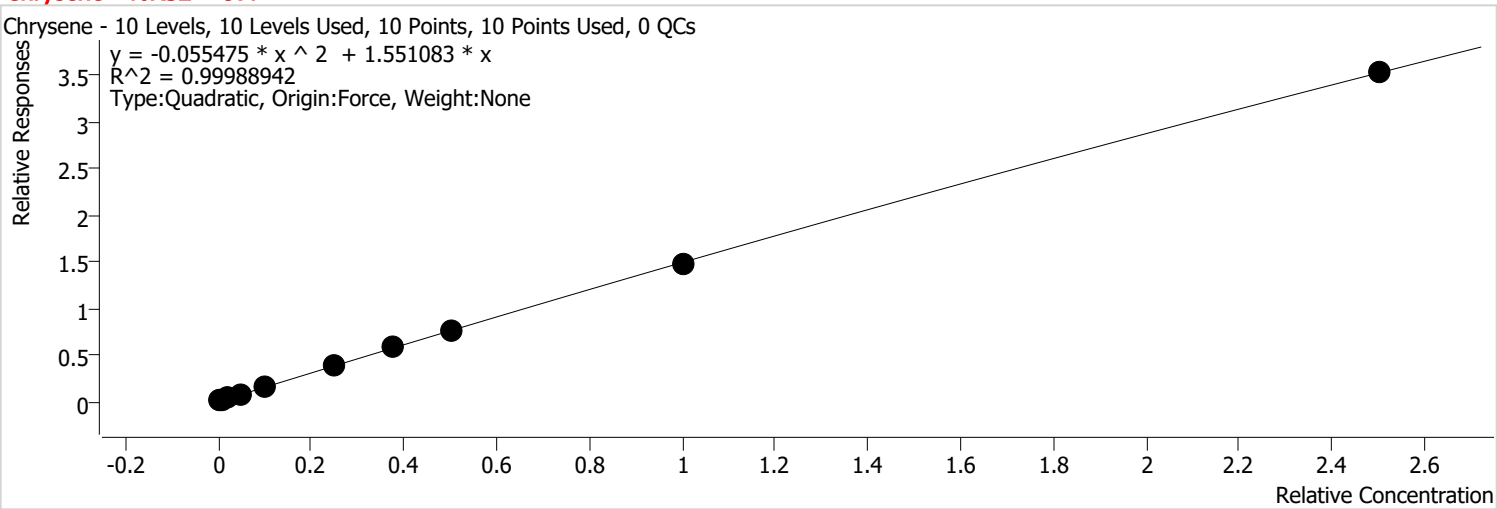
Benzo (a) anthracene %RSE = 17.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	839	10.0000	1.8072	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	1136	20.0000	1.2997	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	2065	40.0000	1.1596	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	4602	100.0000	1.0357	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	10316	200.0000	1.1734	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	26272	500.0000	1.1766	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	41650	750.0000	1.2395	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	54669	1000.0000	1.2112	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	119532	2000.0000	1.3033	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	299475	5000.0000	1.2894	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

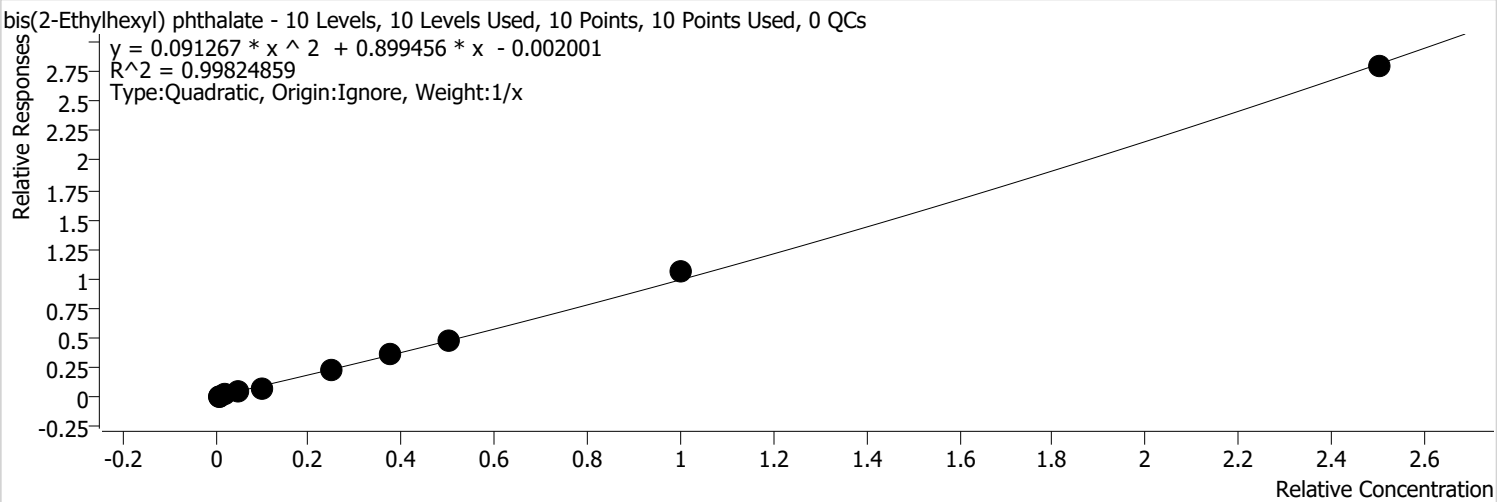
Chrysene %RSE = 9.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	581	10.0000	1.5159	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	1285	20.0000	1.7269	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	2594	40.0000	1.7849	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	6178	100.0000	1.7722	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	11923	200.0000	1.6158	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	28517	500.0000	1.5697	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	44027	750.0000	1.5913	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	58135	1000.0000	1.5300	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	114809	2000.0000	1.4760	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	280829	5000.0000	1.4134	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

bis(2-Ethylhexyl) phthalate %RSE = 17.6

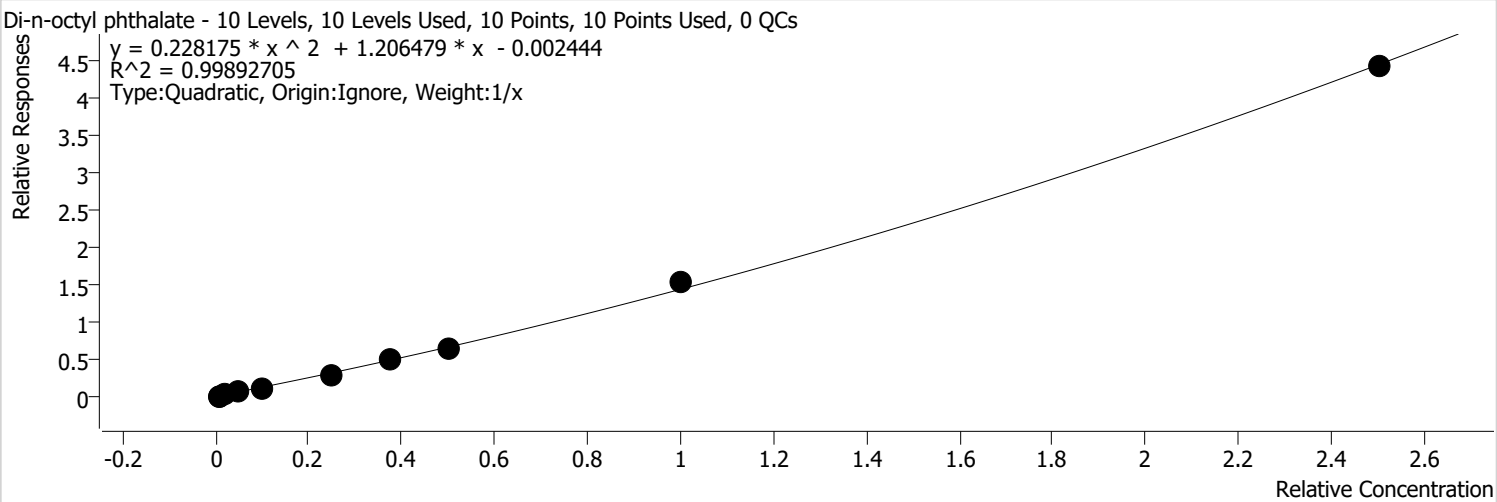


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	327	10.0000	0.8527	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	538	20.0000	0.7225	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	1053	40.0000	0.7245	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	2522	100.0000	0.7235	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	5520	200.0000	0.7480	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	15393	500.0000	0.8473	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	25903	750.0000	0.9363	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	35331	1000.0000	0.9299	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	81700	2000.0000	1.0503	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	222181	5000.0000	1.1182	

Calibration Report

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

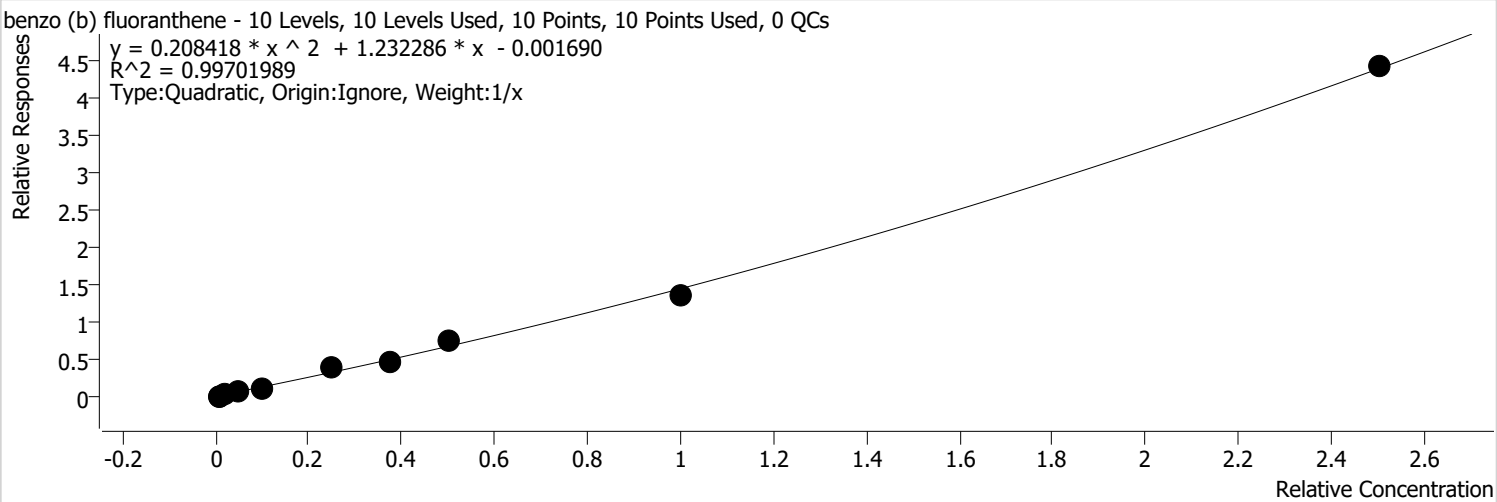
Di-n-octyl phthalate %RSE = 12.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	412	10.0000	1.0751	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	727	20.0000	0.9765	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	1460	40.0000	1.0046	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	3682	100.0000	1.0561	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	7964	200.0000	1.0792	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	21408	500.0000	1.1784	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	35237	750.0000	1.2736	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	48759	1000.0000	1.2833	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	118029	2000.0000	1.5174	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	350677	5000.0000	1.7649	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

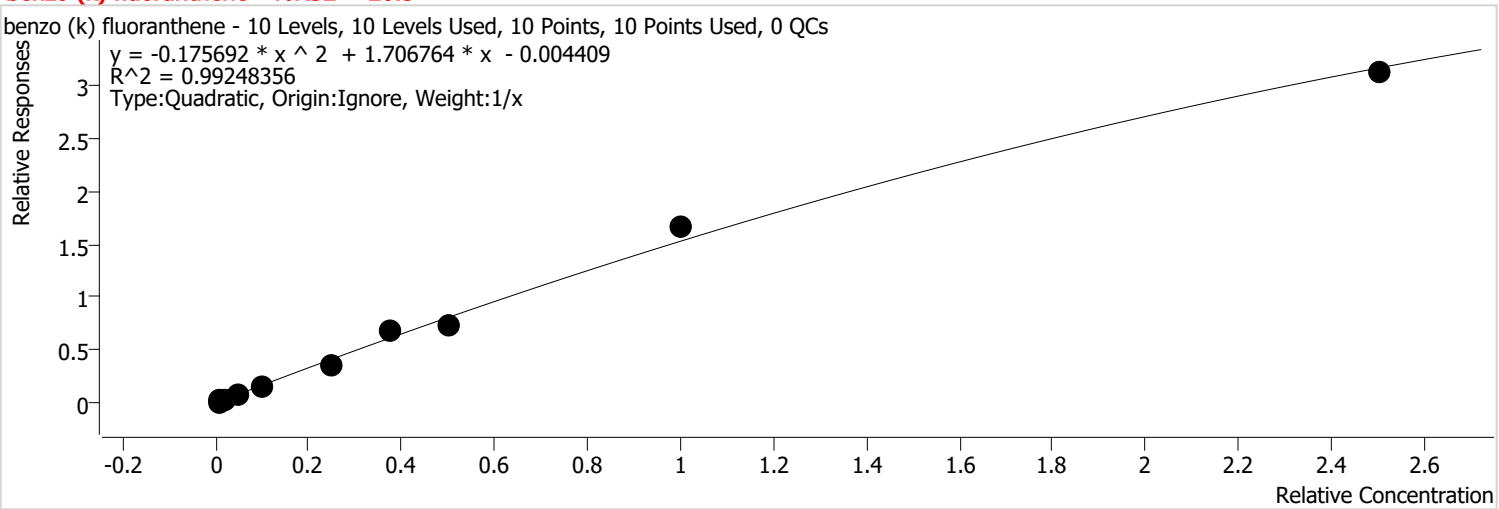
benzo (b) fluoranthene %RSE = 8.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	351	10.0000	0.9158	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	775	20.0000	1.0415	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	1597	40.0000	1.0989	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	4121	100.0000	1.1821	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	8598	200.0000	1.1652	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	26813	500.0000	1.4759	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	33575	750.0000	1.2135	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	55991	1000.0000	1.4736	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	103893	2000.0000	1.3356	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	350462	5000.0000	1.7638	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

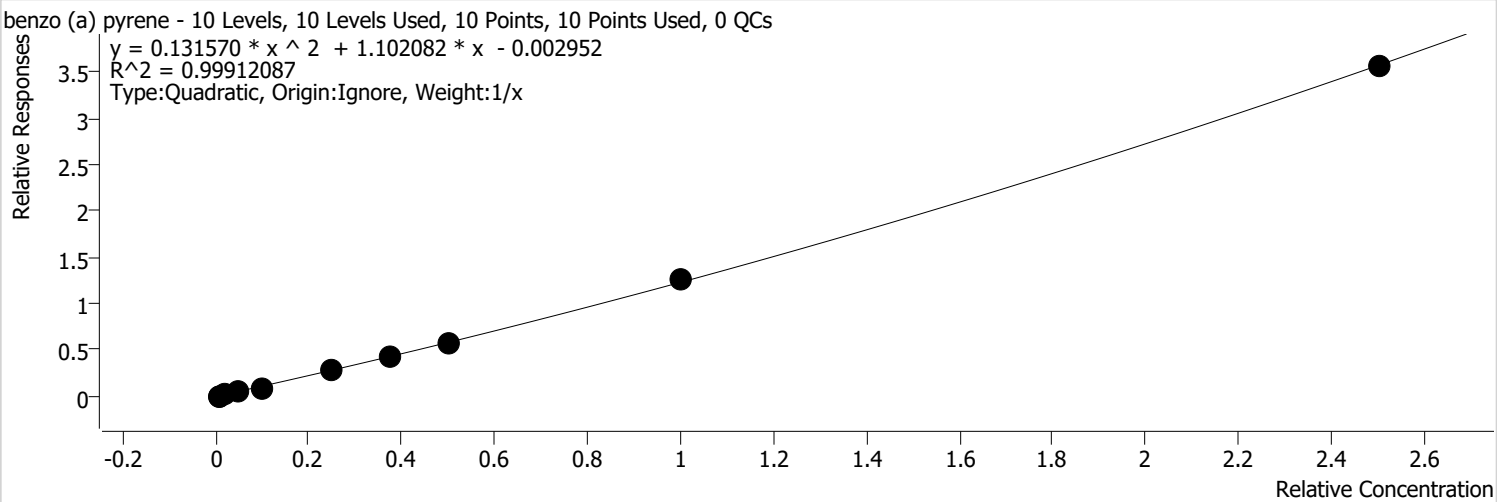
benzo (k) fluoranthene %RSE = 20.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	593	10.0000	1.5463	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	937	20.0000	1.2592	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	1876	40.0000	1.2909	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	4559	100.0000	1.3078	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	11148	200.0000	1.5108	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	25510	500.0000	1.4042	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	50077	750.0000	1.8100	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	55315	1000.0000	1.4558	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	129935	2000.0000	1.6704	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	247900	5000.0000	1.2476	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

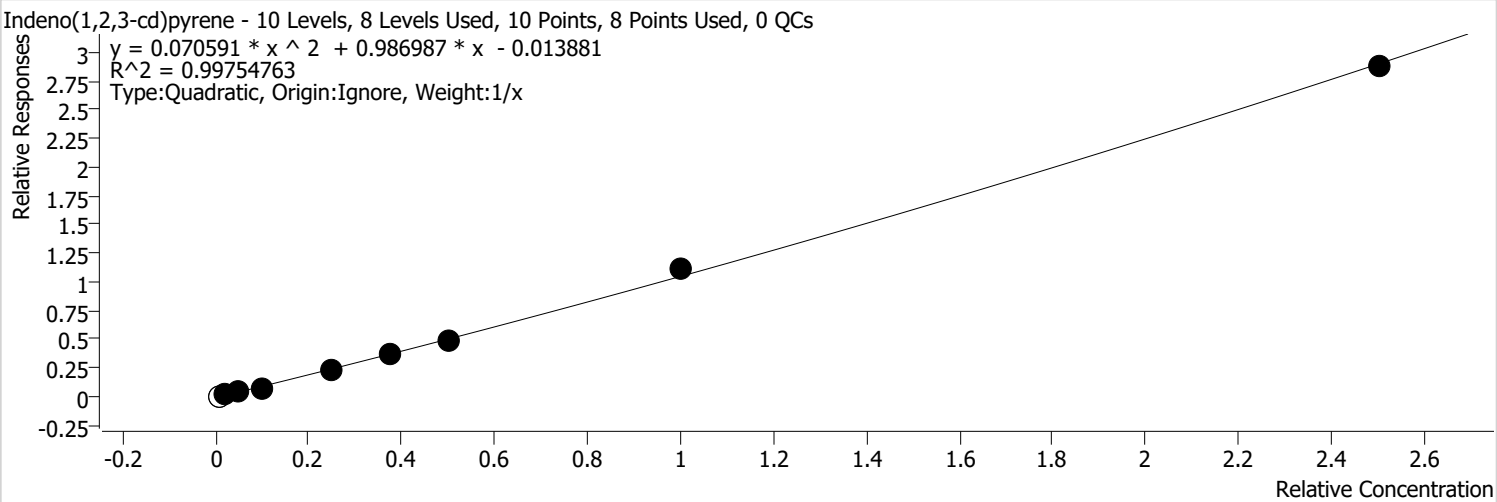
benzo (a) pyrene %RSE = 15.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	335	10.0000	0.8752	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	619	20.0000	0.8322	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	1272	40.0000	0.8752	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	3096	100.0000	0.8882	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	6829	200.0000	0.9254	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	19579	500.0000	1.0777	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	32346	750.0000	1.1691	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	44297	1000.0000	1.1658	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	98766	2000.0000	1.2697	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	282871	5000.0000	1.4236	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

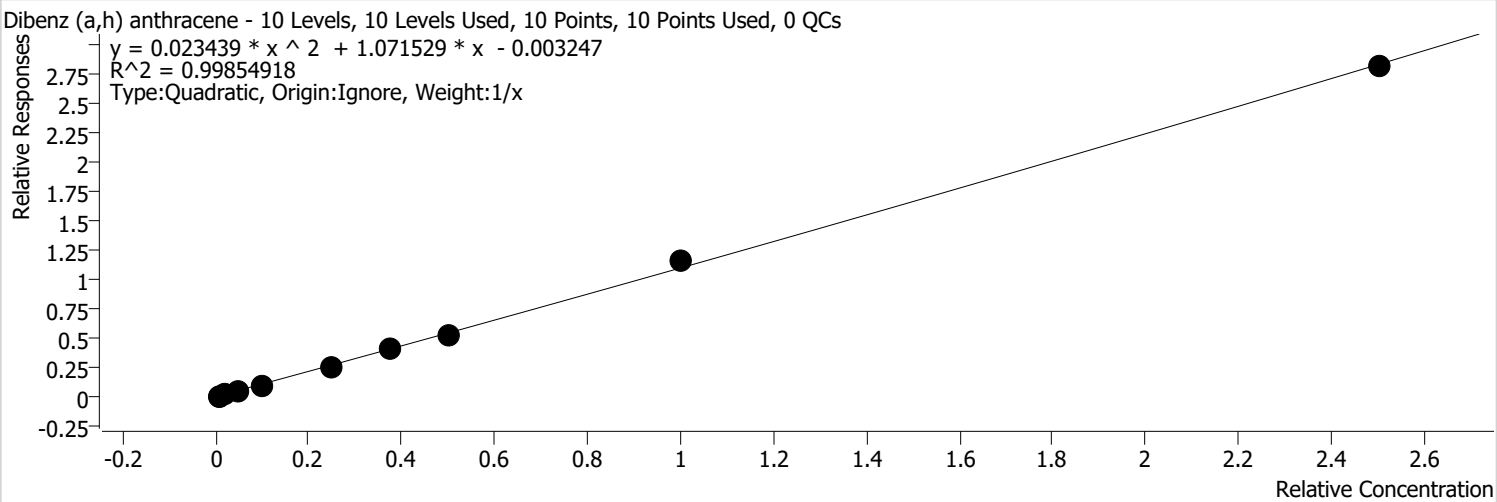
Indeno(1,2,3-cd)pyrene %RSE = 16.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1		239	10.0000	0.5950	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2		389	20.0000	0.5010	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	910	40.0000	0.5823	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	2365	100.0000	0.6367	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	5301	200.0000	0.6909	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	16874	500.0000	0.8824	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	27303	750.0000	0.9552	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	38027	1000.0000	0.9678	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	88479	2000.0000	1.1208	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	243261	5000.0000	1.1481	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

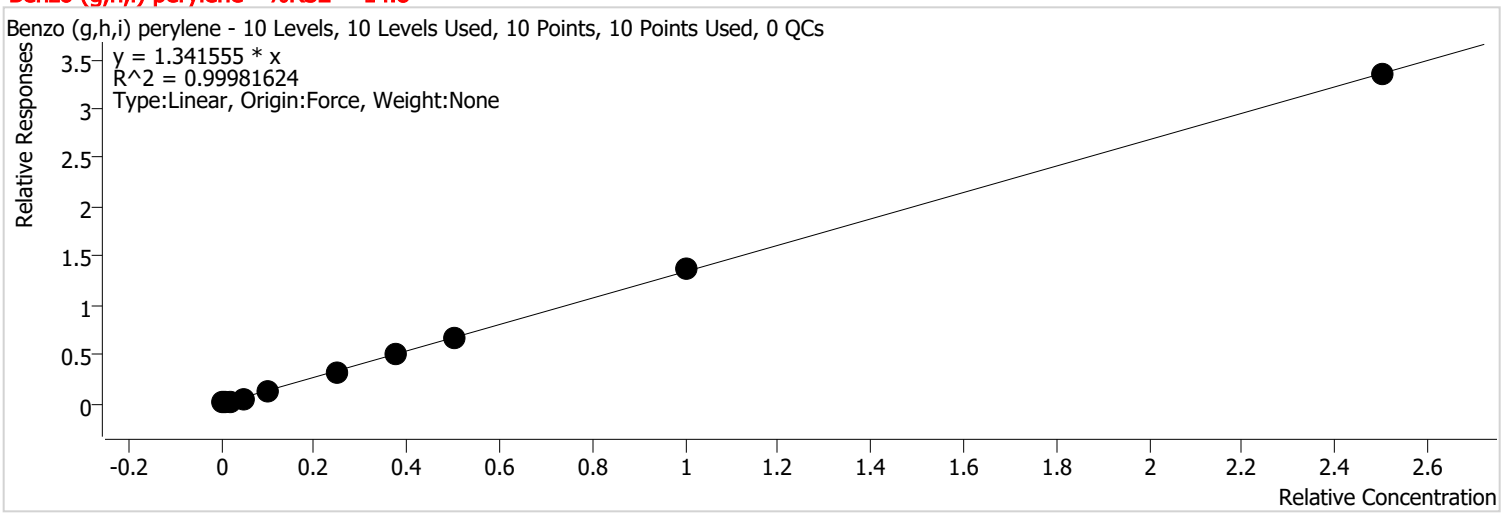
Dibenz (a,h) anthracene %RSE = 16.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	324	10.0000	0.8053	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	602	20.0000	0.7742	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	1236	40.0000	0.7908	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	3126	100.0000	0.8415	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	7069	200.0000	0.9213	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	19369	500.0000	1.0129	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	31163	750.0000	1.0902	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	41503	1000.0000	1.0562	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	90619	2000.0000	1.1479	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	237530	5000.0000	1.1210	

Batch Path	C:\GC-14\Data\2025\020525\QuantResults\PAH ICAL.batch.bin		
Analysis Time	2/7/2025 8:42 AM	**Analyst Name**	FA\GC14
Report Time	2/7/2025 8:43:56 AM	**Reporter Name**	FA\GC14
Last Calib Update	2/7/2025 8:37 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Benzo (g,h,i) perylene %RSE = 14.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\020525\020503.D	Calibration	1	x	405	10.0000	1.0064	
C:\GC-14\Data\2025\020525\020504.D	Calibration	2	x	845	20.0000	1.0872	
C:\GC-14\Data\2025\020525\020505.D	Calibration	3	x	1708	40.0000	1.0923	
C:\GC-14\Data\2025\020525\020506.D	Calibration	4	x	4104	100.0000	1.1046	
C:\GC-14\Data\2025\020525\020507.D	Calibration	5	x	9325	200.0000	1.2154	
C:\GC-14\Data\2025\020525\020508.D	Calibration	6	x	24783	500.0000	1.2960	
C:\GC-14\Data\2025\020525\020509.D	Calibration	7	x	38645	750.0000	1.3519	
C:\GC-14\Data\2025\020525\020510.D	Calibration	8	x	52553	1000.0000	1.3375	
C:\GC-14\Data\2025\020525\020511.D	Calibration	9	x	108600	2000.0000	1.3757	
C:\GC-14\Data\2025\020525\020512.D	Calibration	10	x	283251	5000.0000	1.3368	

Semivolatile Calibration

		Cal		ICV	
Date:	2/5/25	8270 Megamix:	30329	8270 Megamix:	30153
Analyst:	Ramiro Garcia	2,4-DNP:	30355	2,4-DNP:	30763
MeCl2:	8756	Benzoic Acid:	30339	Benzoic Acid:	30614
8270 Surrogate:	30653	Benzidines:	SVOC ADDS : 30157	Benzidines:	28495
Internal Standard:	30795				

TRPH: 26313

Spike Conc. (ppb)	BN/Acid Surr Conc. (ppb)	2° Spike (uL)	B/N Surr (uL)	Internal Standard (uL)	Remove (uL)	Final Vol. (mL)	Comments
2	2/1	0.2	--	10	10.2	1	For PAH-LL Cal Only
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	~~50~~ 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		5	10	15	1	
ICV (1000 ppb)	1000/500	100 (2° SS)	--	10	110	1	

	Mega Mix (uL)	2,4-DNP (uL)	Benzoic Acid	8270 Surr	Benzidine	Final
2° Intermediate (cal)	100	100	100	500	50	10
2° Intermediate (SS)	10	10	10	50	5	1

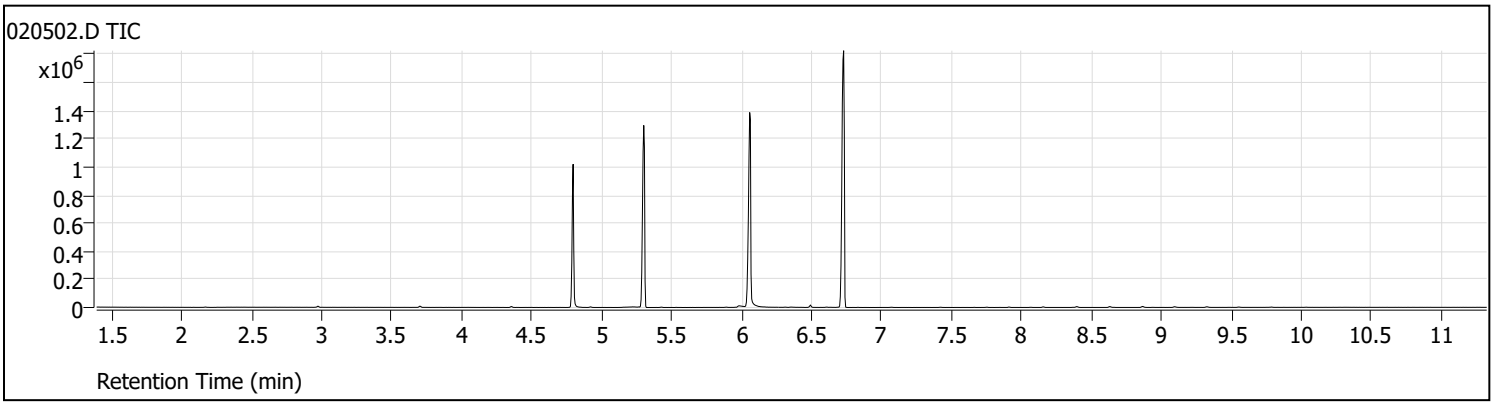
Signature and Date: 2/5/25

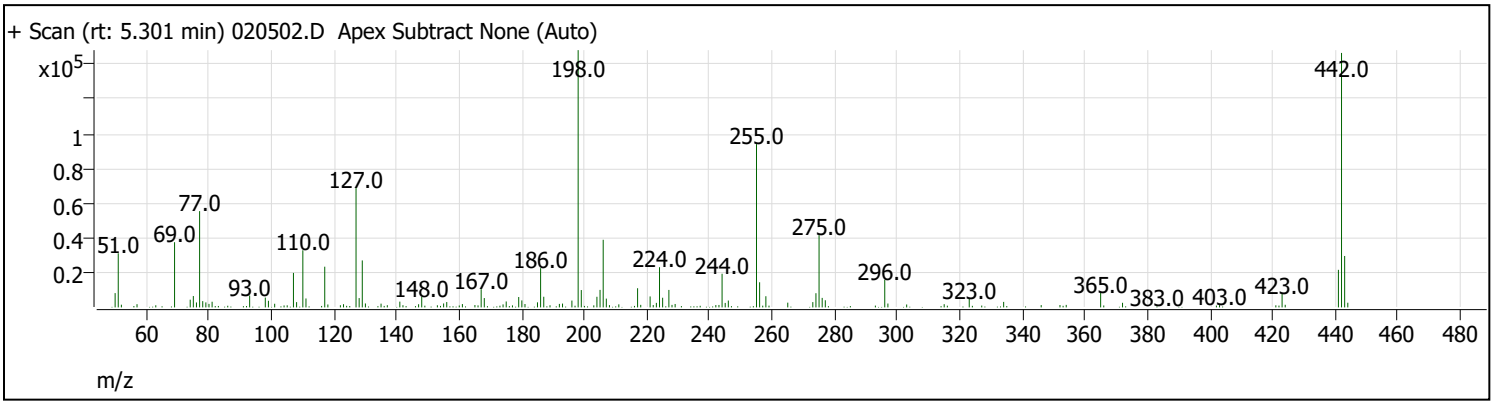
Signature: AK

Tunes

Tune Evaluation Report

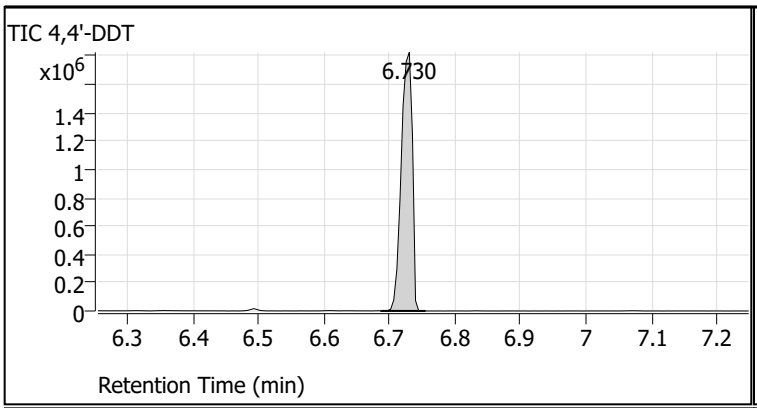
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Acq on:	2/5/2025 10:38:30 AM
Operator:	FA\GC14
Sample:	tune
Inst Name:	GC-14
ALS Vial:	1
Method:	C:\GC-14\Methods\Quant Methods\TUNE\DFTPPwBreak&TailingGC218270E.m

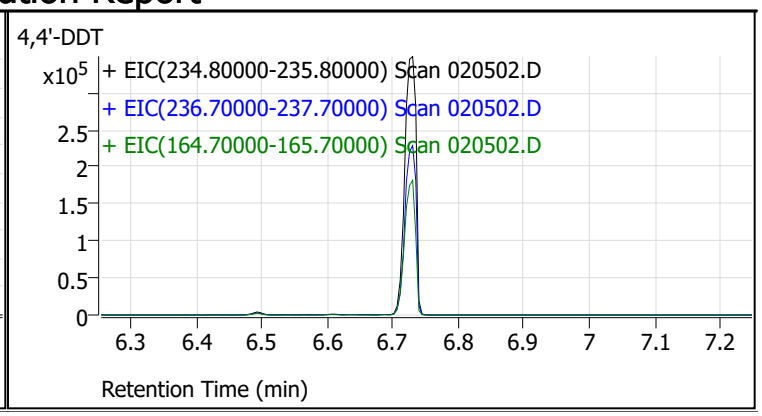


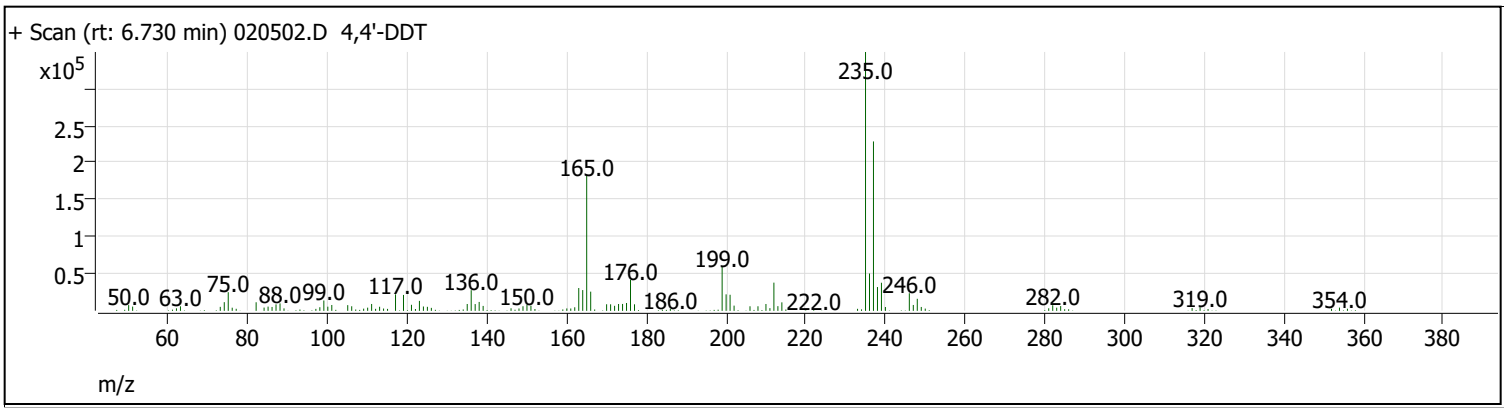


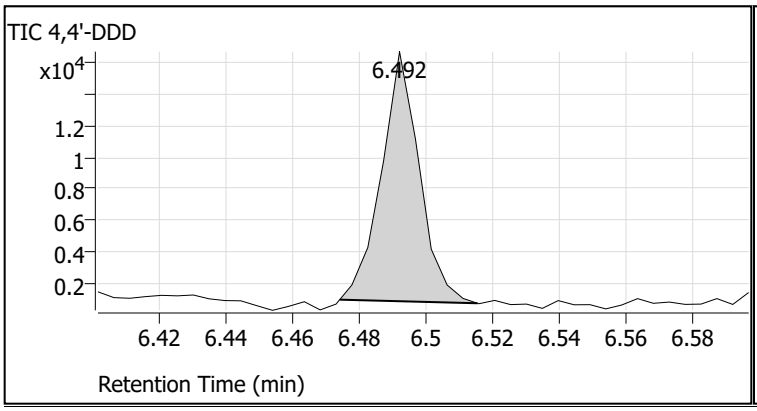
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	1.4	518	Pass
70	69	0	2	0.0	0	Pass
197	198	0	2	0.7	963	Pass
198	198	100	100	100.0	148096	Pass
199	198	5	9	6.7	9984	Pass
365	198	1	100	5.8	8525	Pass
441	443	1E-10	99	73.1	21640	Pass
442	442	100	100	100.0	146496	Pass
443	442	15	24	20.2	29608	Pass
69	69	100	100	100.0	37536	Pass

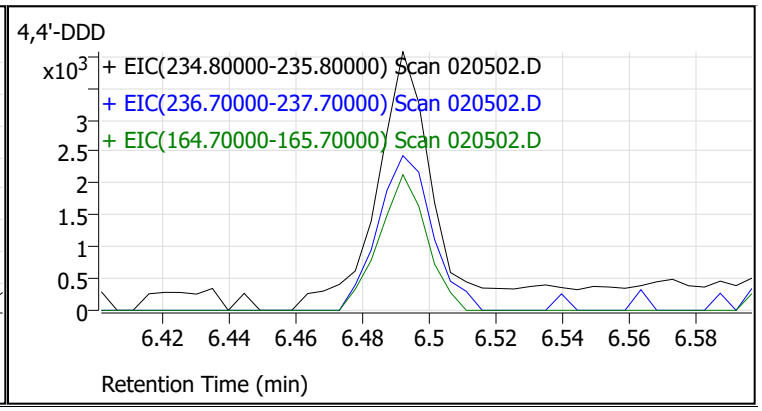
Tune Evaluation Report

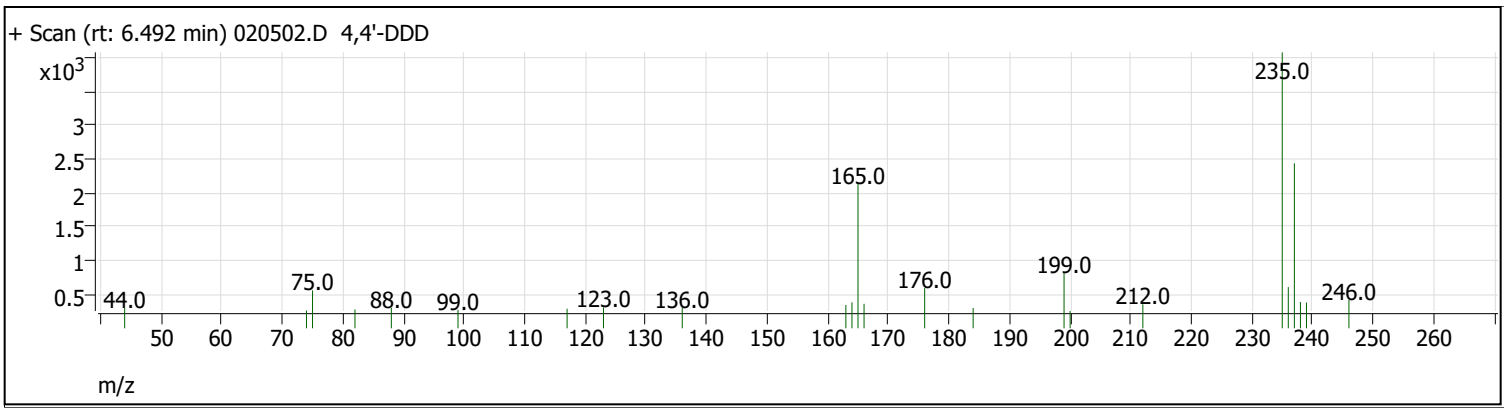


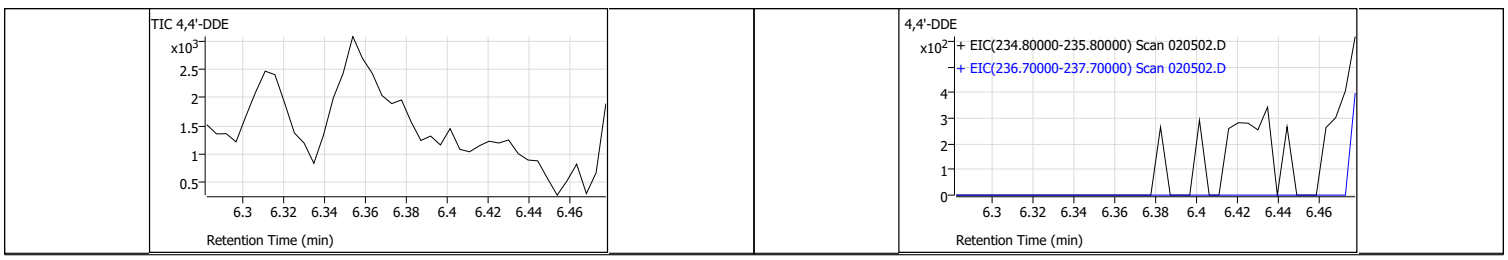




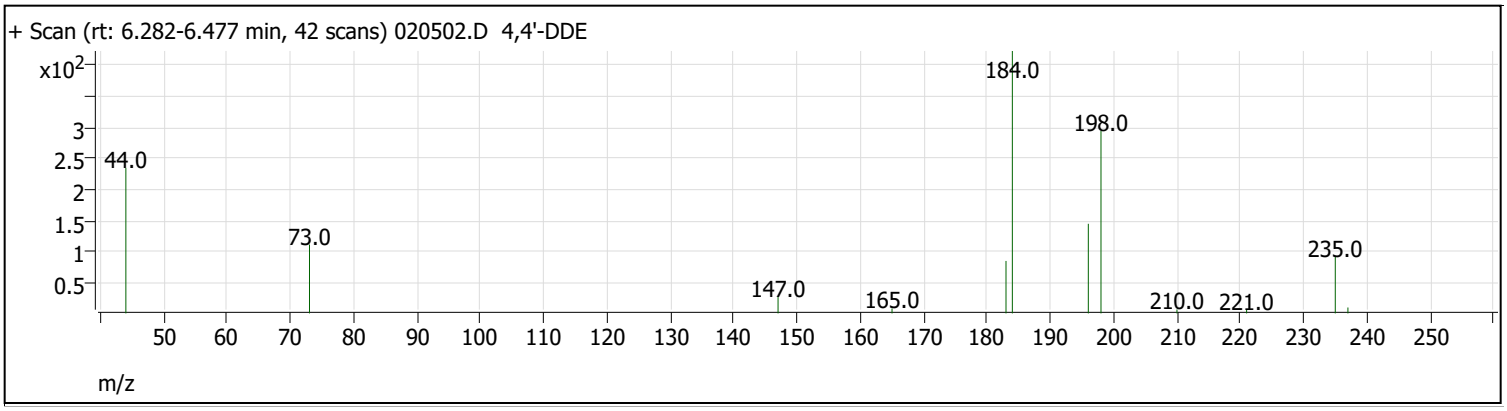






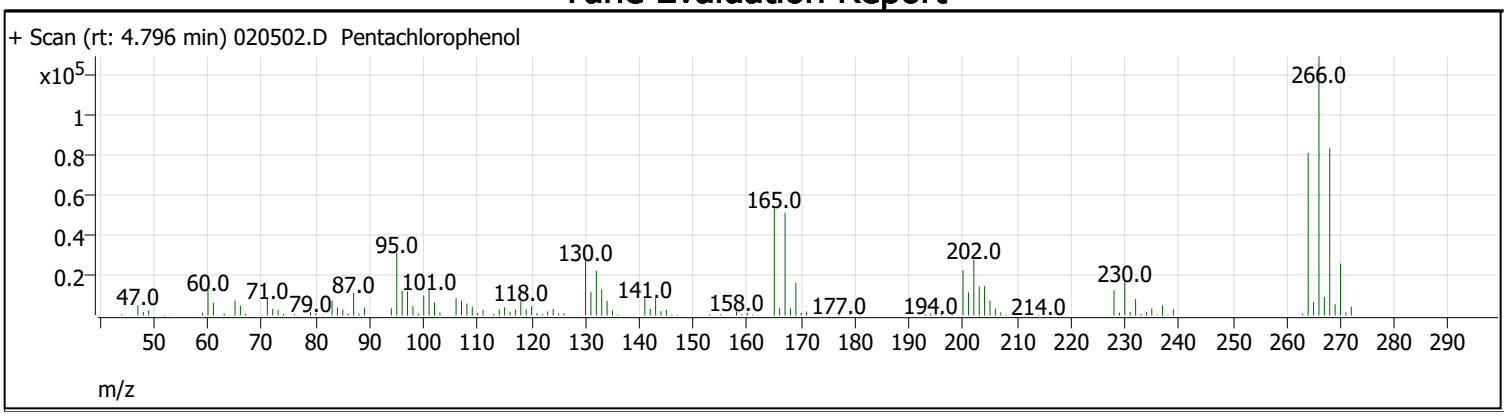


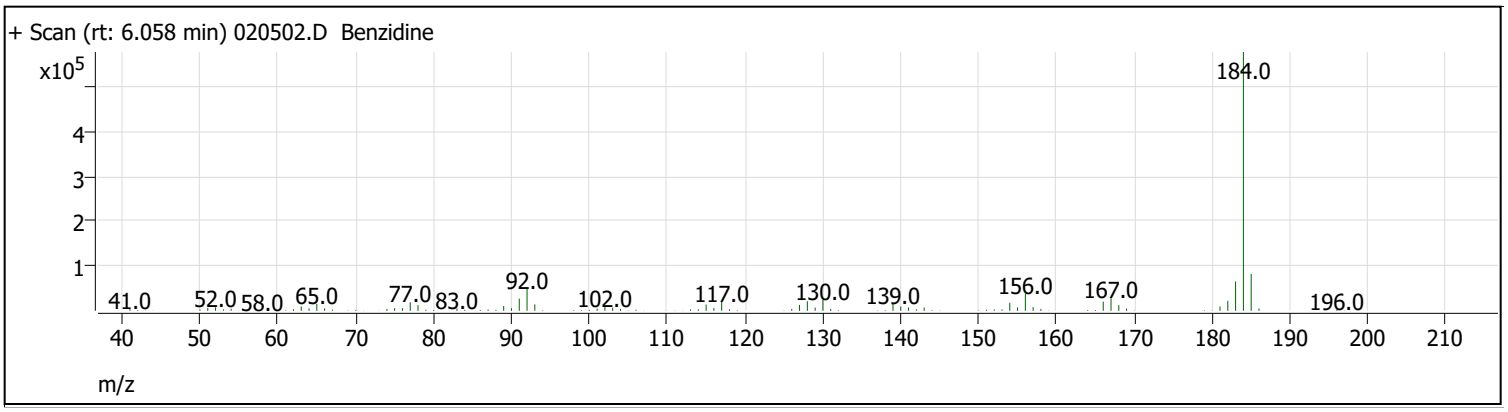
Tune Evaluation Report



Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	6.750	6.730	2155551	0.6	Pass
4,4'-DDD	6.500	6.492	12453		
4,4'-DDE	6.380	0.000	0		

Tune Evaluation Report

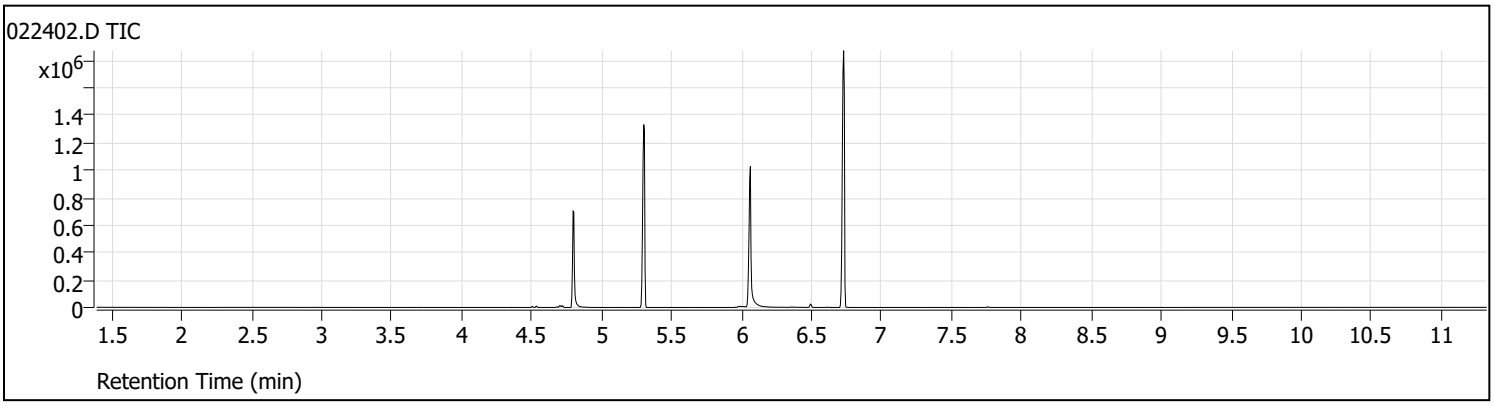


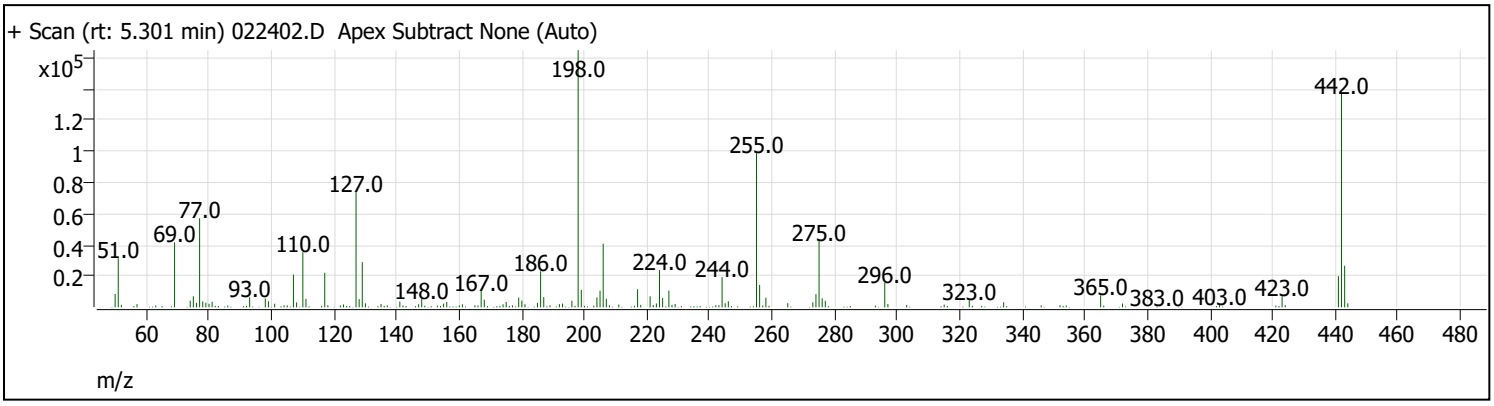


Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	4.200	4.796	0.7	2.3	Pass
Benzidine	6.250	6.058	0.6	1.6	Pass

Tune Evaluation Report

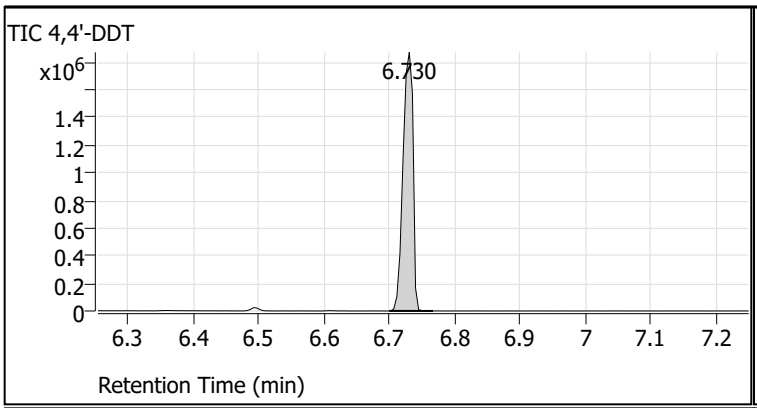
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Operator:	FA\GC14
Sample:	tune
Inst Name:	GC-14
ALS Vial:	1
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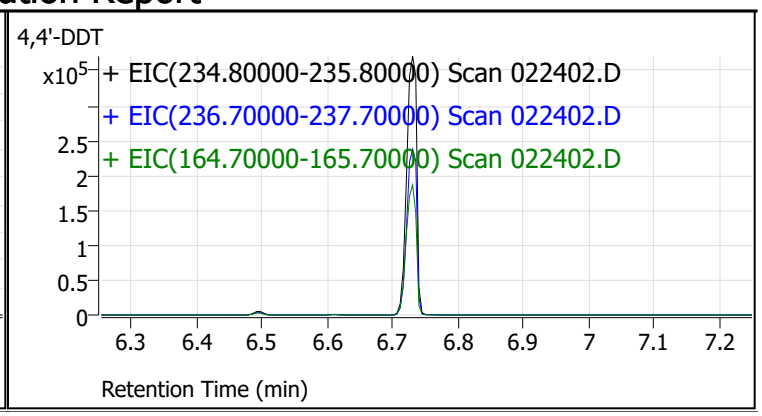


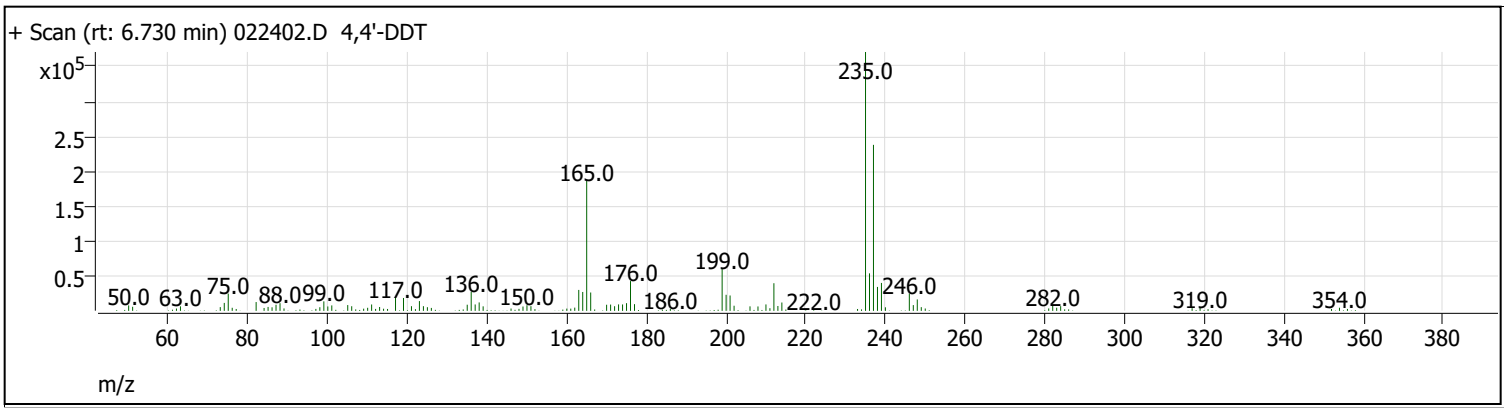


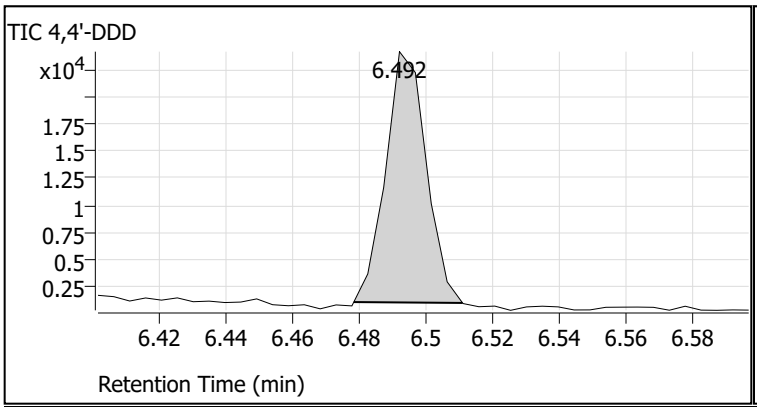
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	1.5	618	Pass
70	69	0	2	0.0	0	Pass
197	198	0	2	0.6	999	Pass
198	198	100	100	100.0	164736	Pass
199	198	5	9	6.8	11150	Pass
365	198	1	100	4.7	7717	Pass
441	443	1E-10	99	74.9	19976	Pass
442	442	100	100	100.0	136768	Pass
443	442	15	24	19.5	26664	Pass
69	69	100	100	100.0	41624	Pass

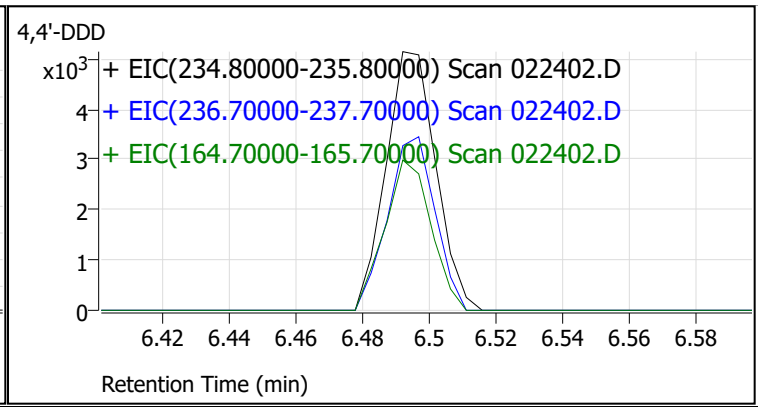
Tune Evaluation Report

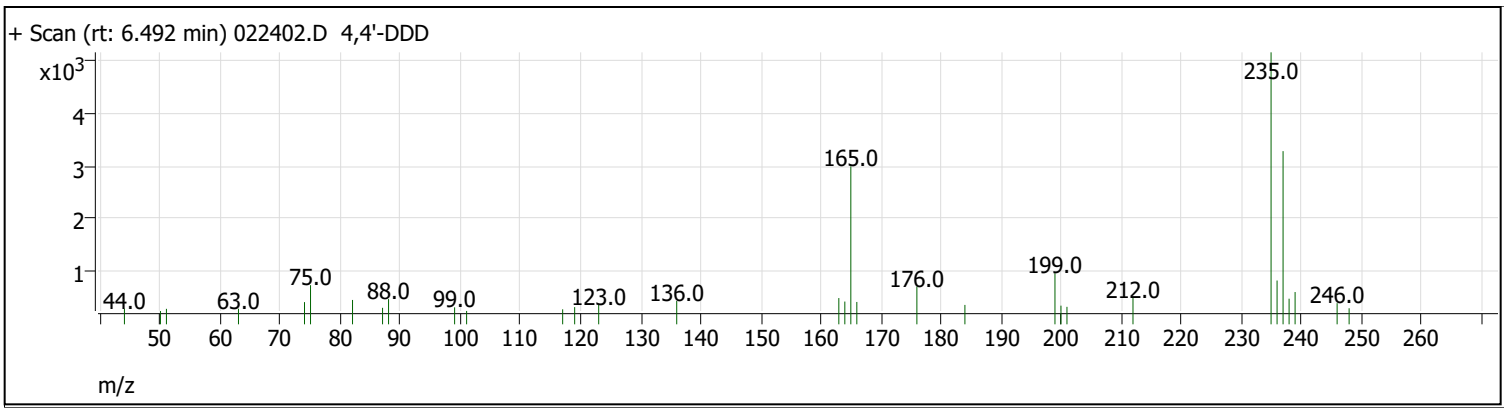


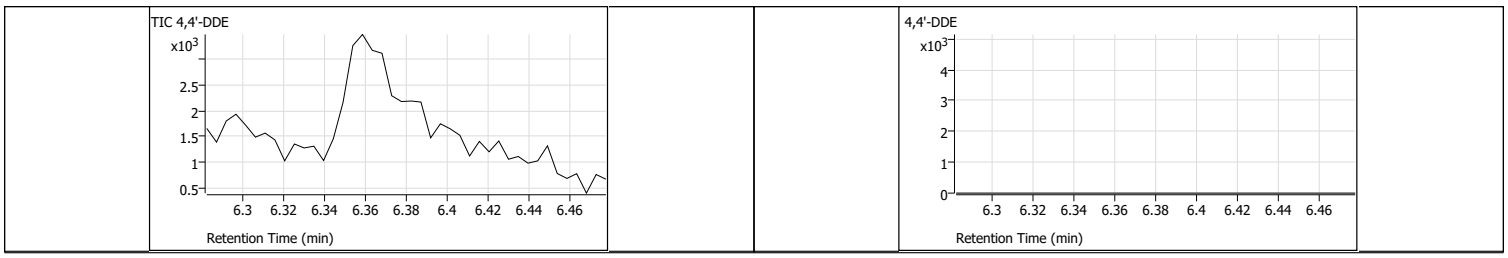


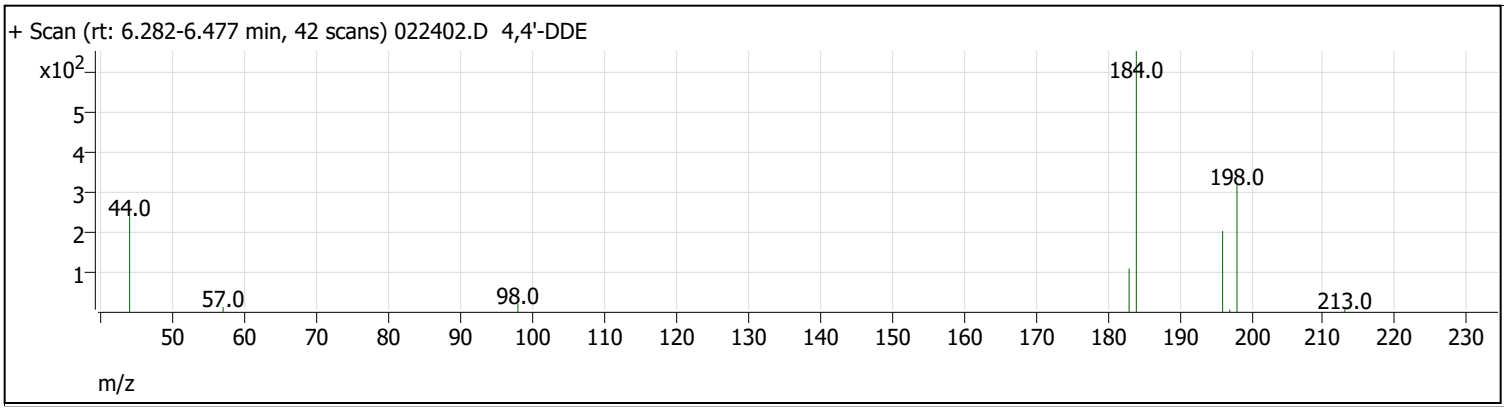






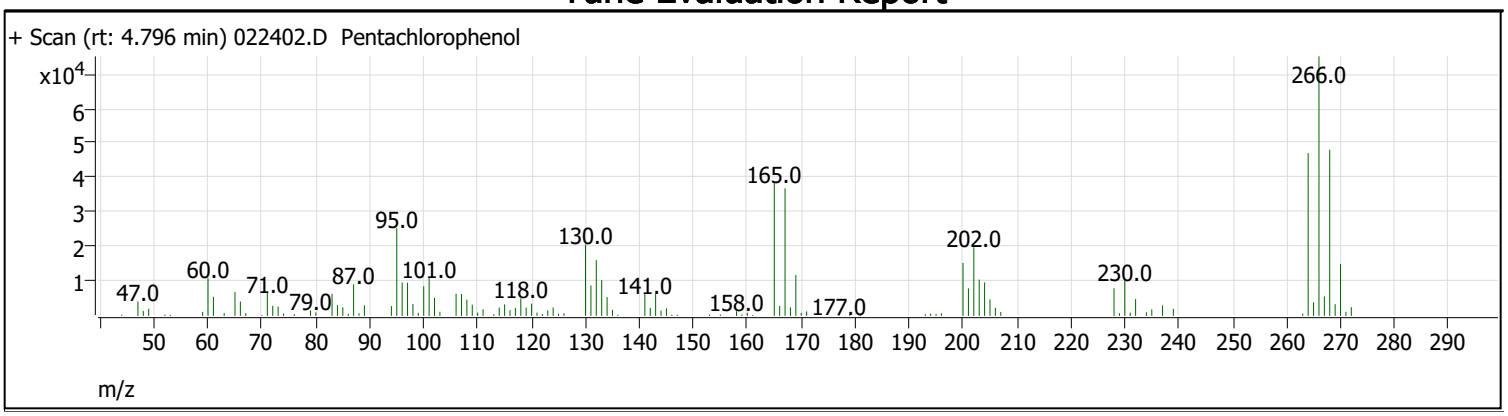


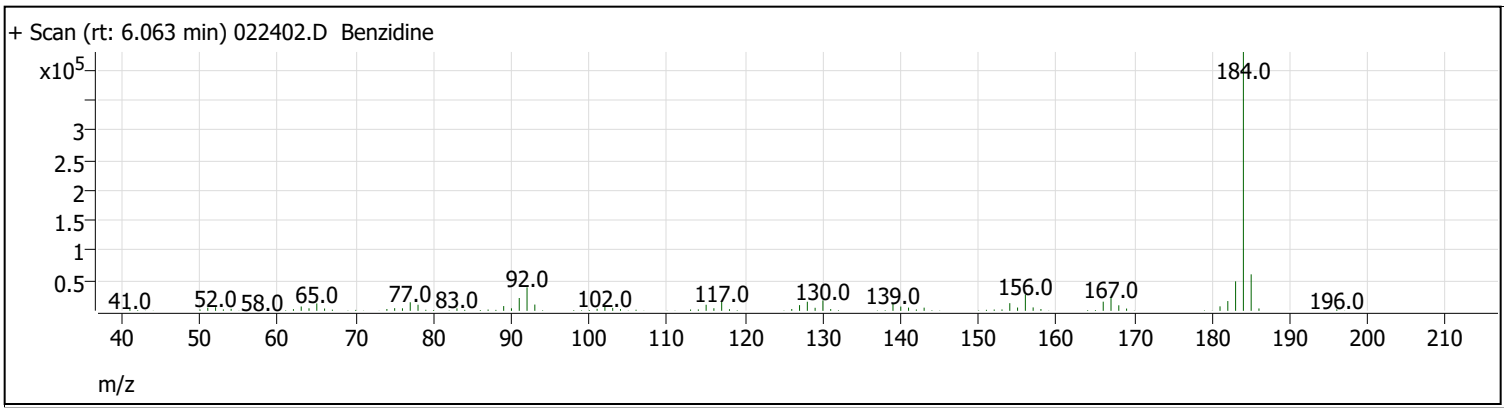




Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	6.750	6.730	1997729	0.9	Pass
4,4'-DDD	6.500	6.492	19011		
4,4'-DDE	6.380	0.000	0		

Tune Evaluation Report

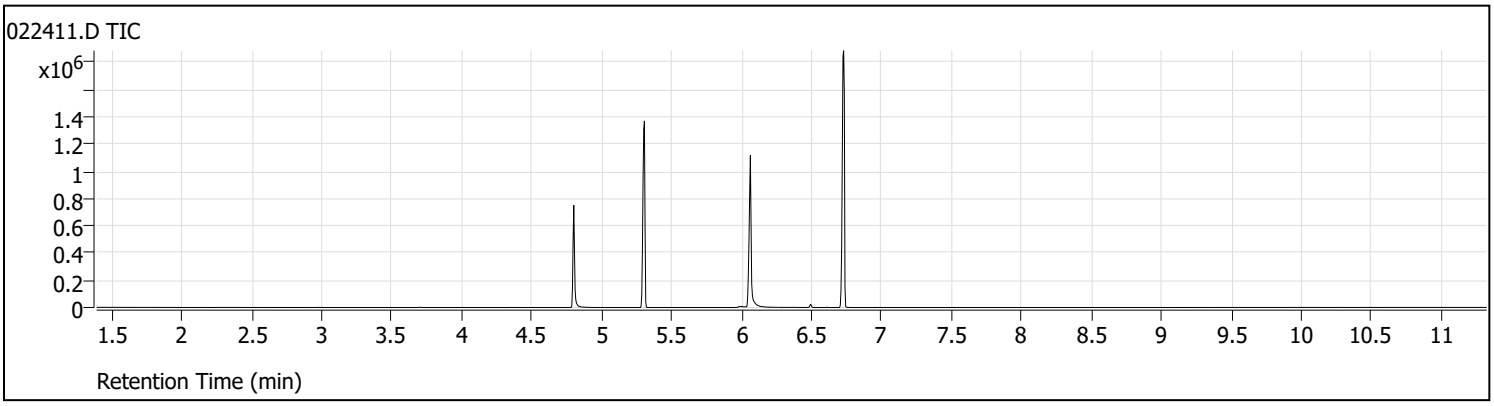


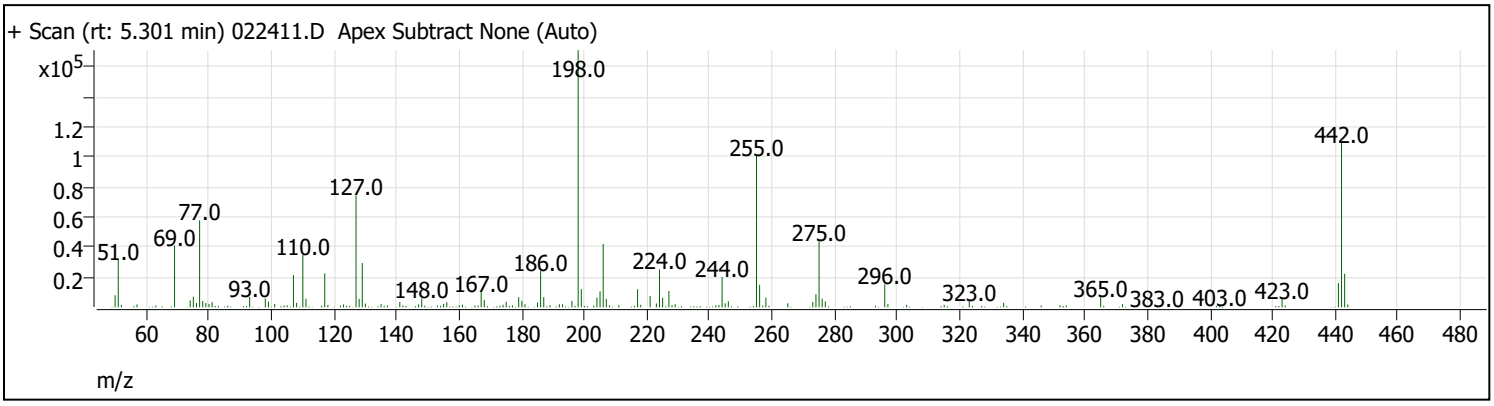


Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	4.200	4.796	1.7	1.4	Pass
Benzidine	6.250	6.063	0.7	1.3	Pass

Tune Evaluation Report

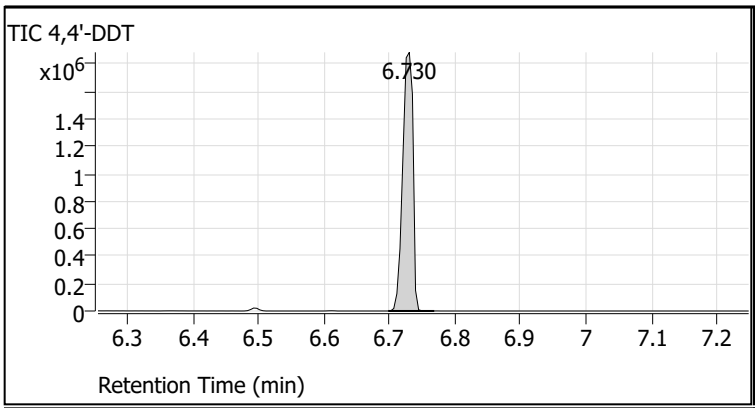
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Acq on:	2/24/2025 4:18:42 PM
Operator:	FA\GC14
Sample:	tune
Inst Name:	GC-14
ALS Vial:	1
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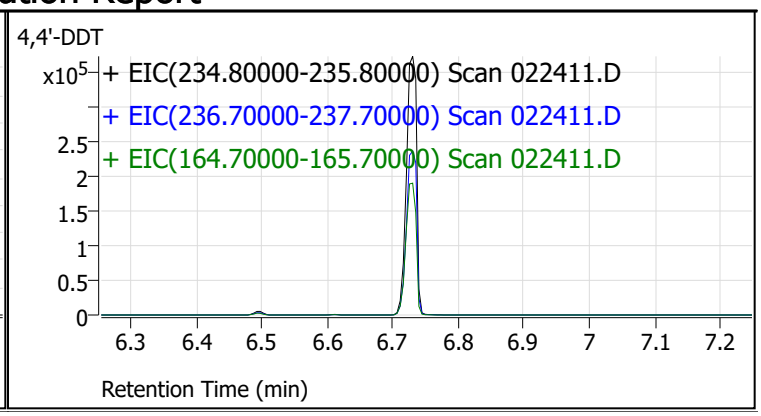


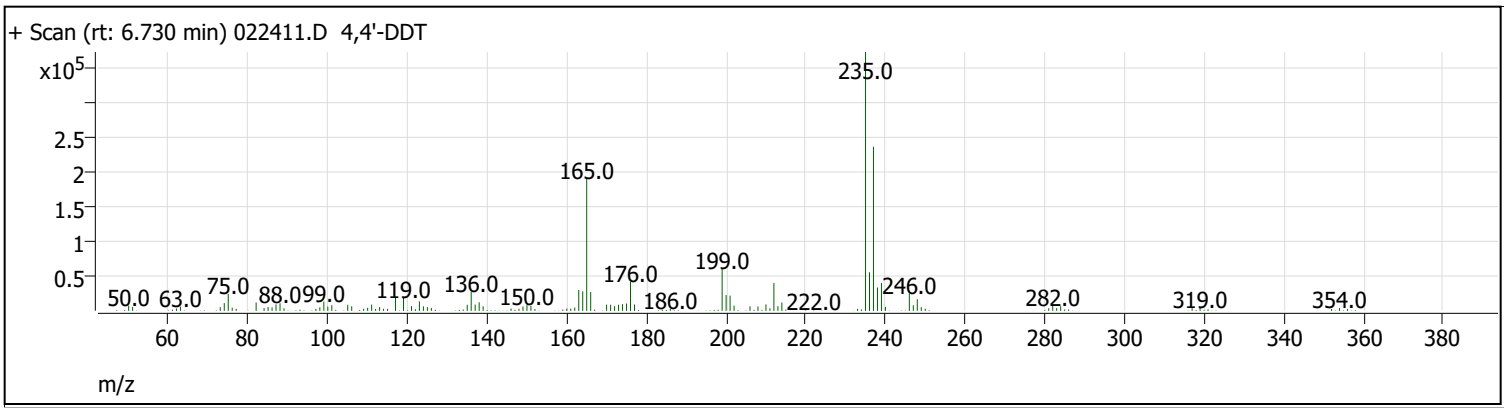


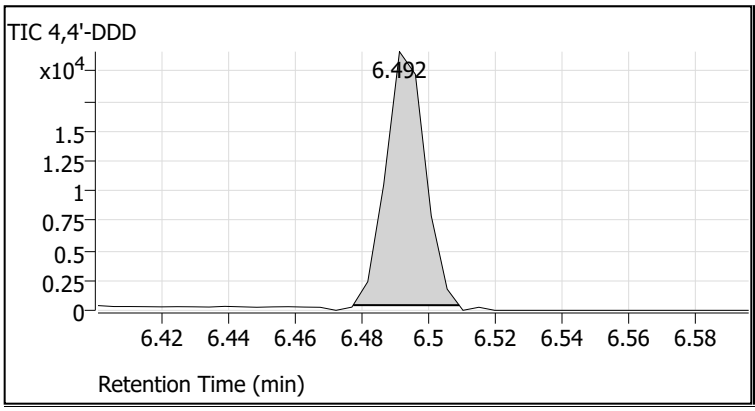
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	1.2	492	Pass
70	69	0	2	0.0	0	Pass
197	198	0	2	0.6	970	Pass
198	198	100	100	100.0	171008	Pass
199	198	5	9	7.1	12159	Pass
365	198	1	100	4.0	6877	Pass
441	443	1E-10	99	72.2	16133	Pass
442	442	100	100	100.0	109344	Pass
443	442	15	24	20.4	22352	Pass
69	69	100	100	100.0	41104	Pass

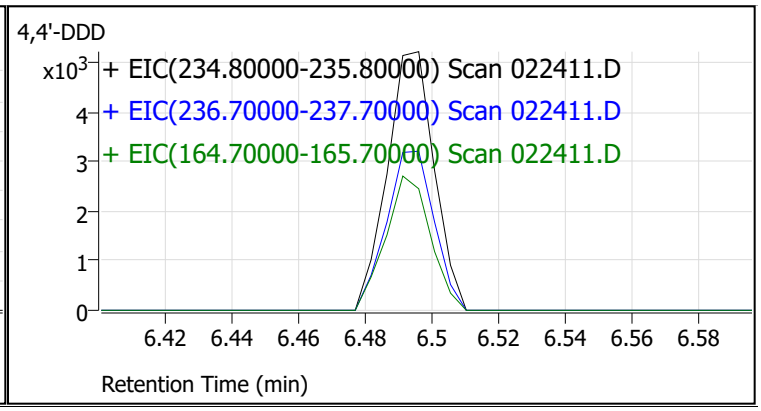
Tune Evaluation Report

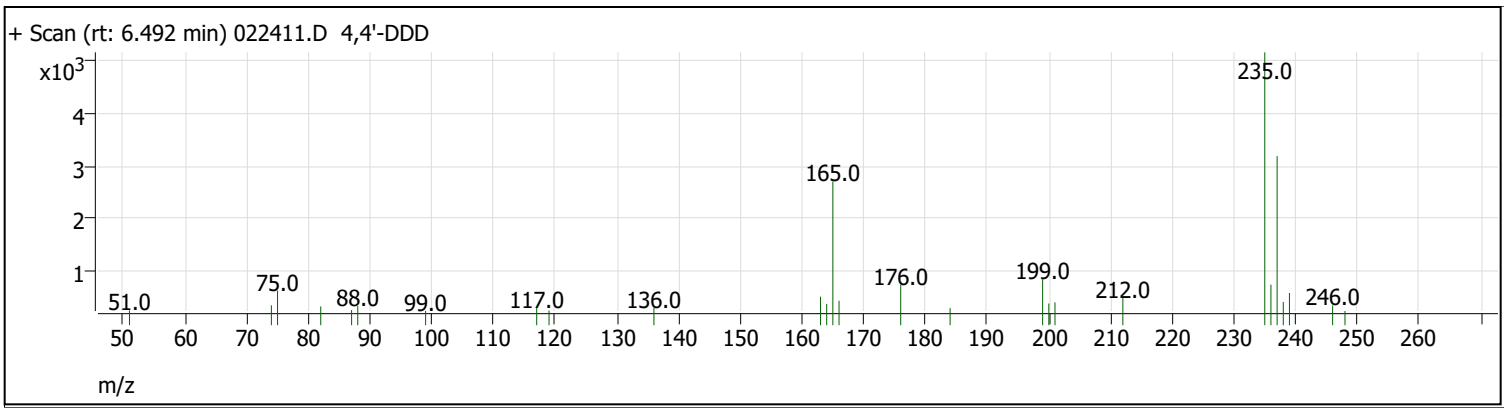


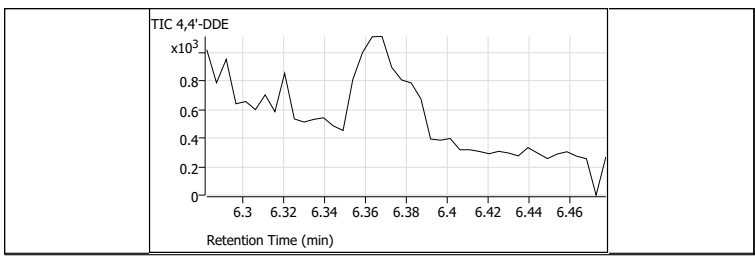


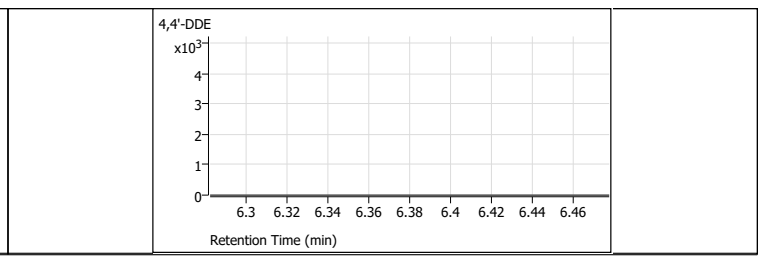




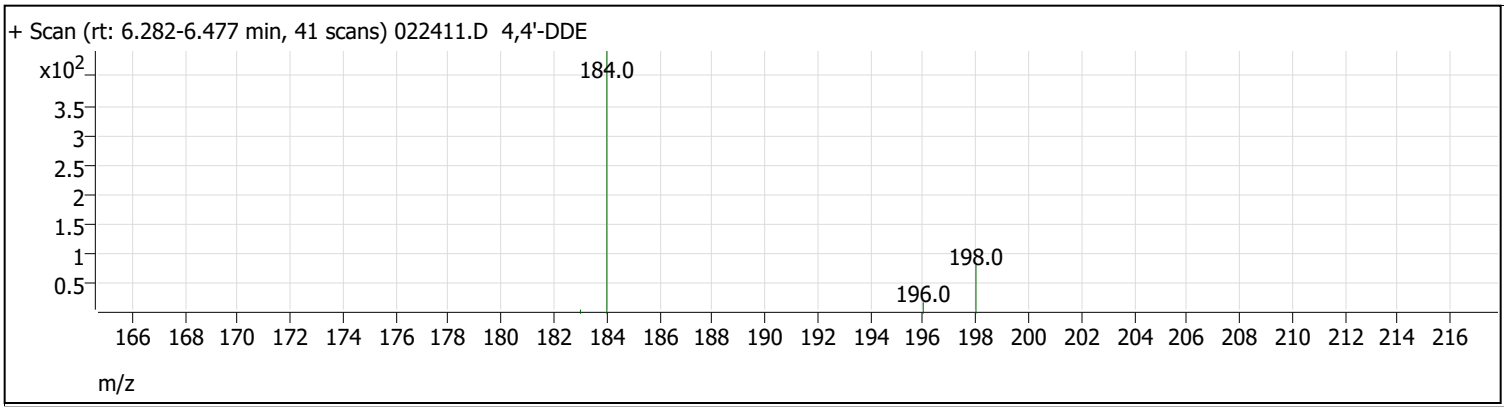






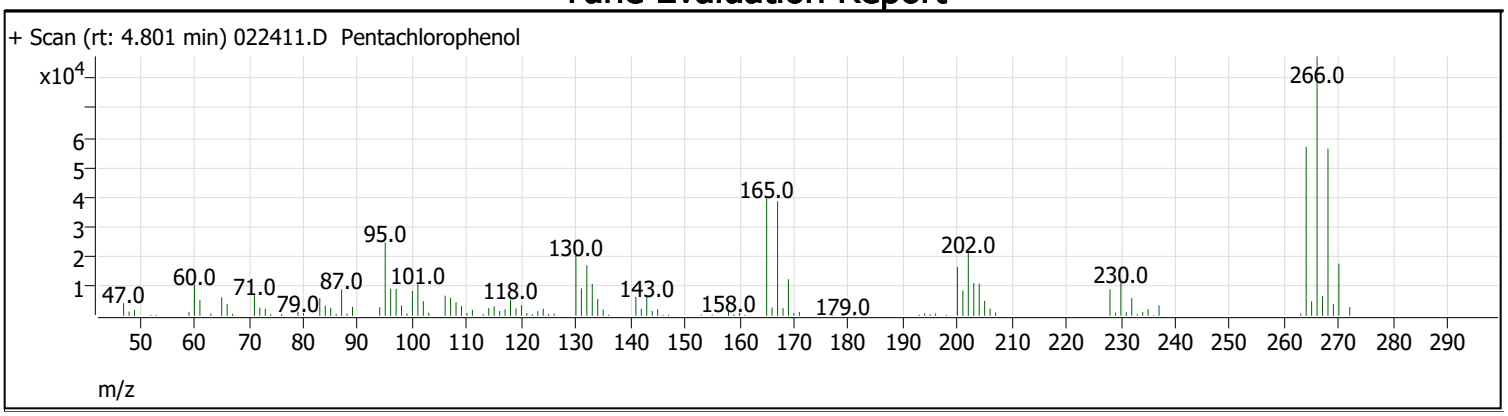


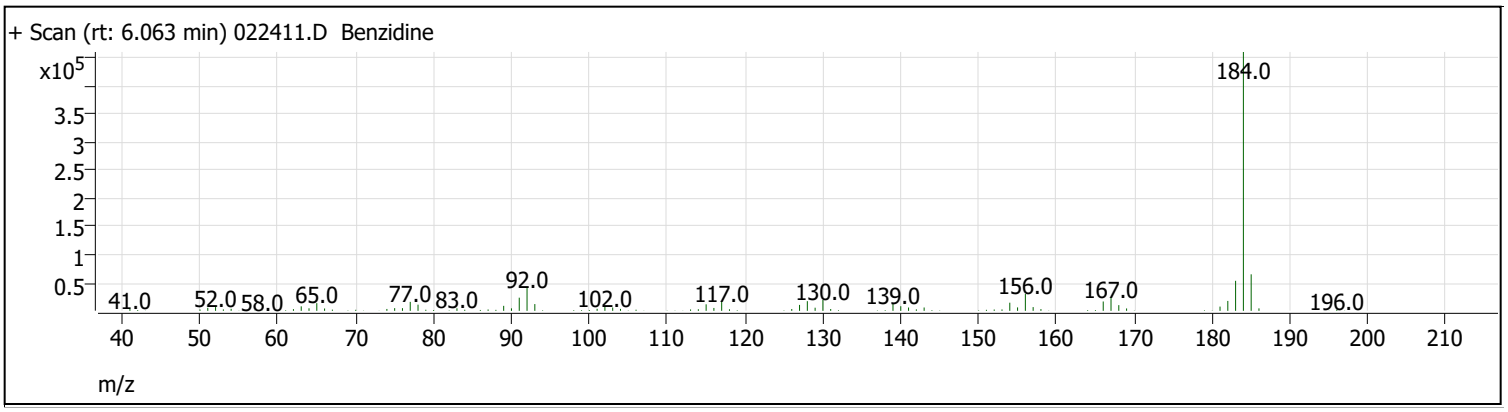
Tune Evaluation Report



Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	6.750	6.730	2066262	0.8	Pass
4,4'-DDD	6.500	6.492	17081		
4,4'-DDE	6.380	0.000	0		

Tune Evaluation Report

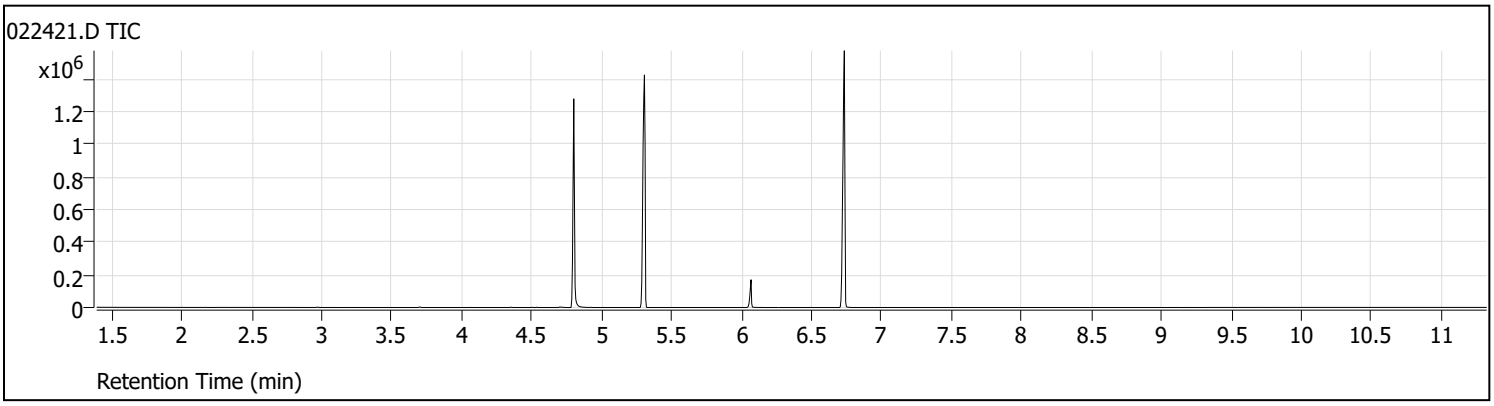


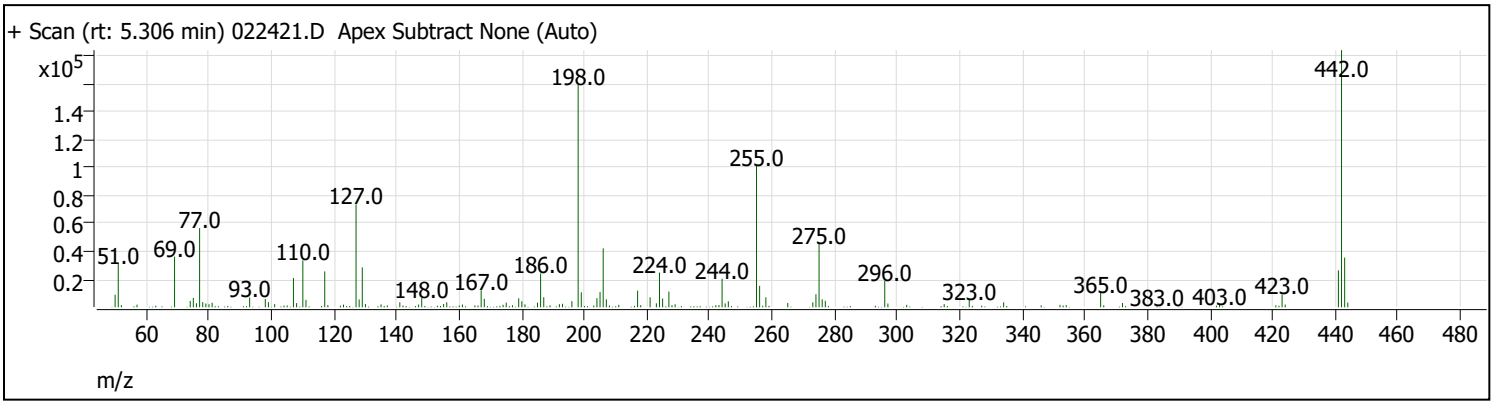


Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	4.200	4.801	1.1	4.3	Pass
Benzidine	6.250	6.063	0.7	3.7	Pass

Tune Evaluation Report

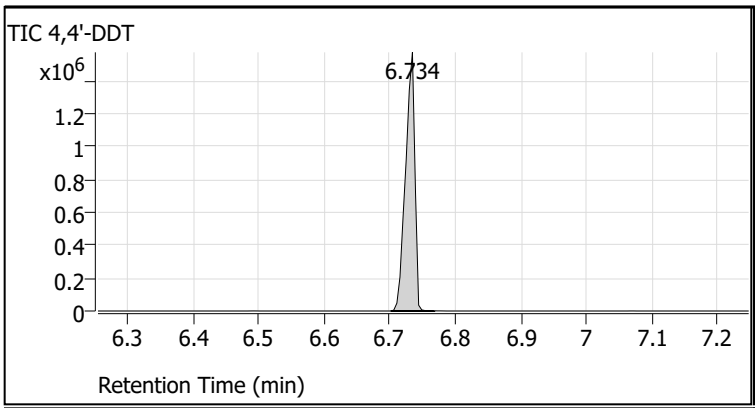
Data Path:	Y:\GC-14\Data\2025\022425\022421.D
Acq on:	2/25/2025 8:18:50 AM
Operator:	FA\GC14
Sample:	tune
Inst Name:	GC-14
ALS Vial:	1
Method:	Y:\GC-14\Methods\Quant Methods\TUNE\DFTPPwBreak&TailingGC218270E.m

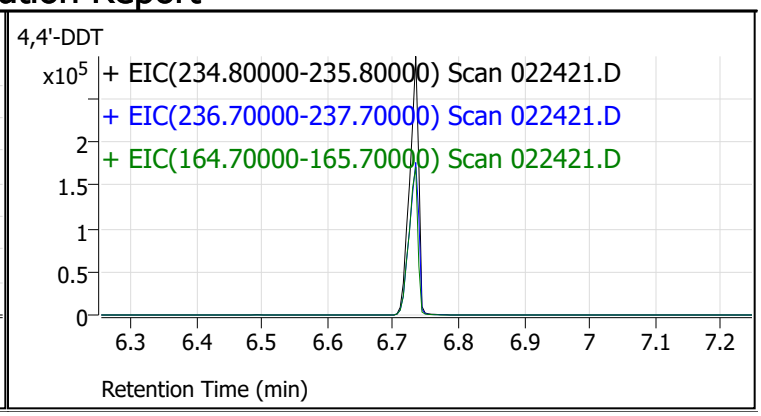


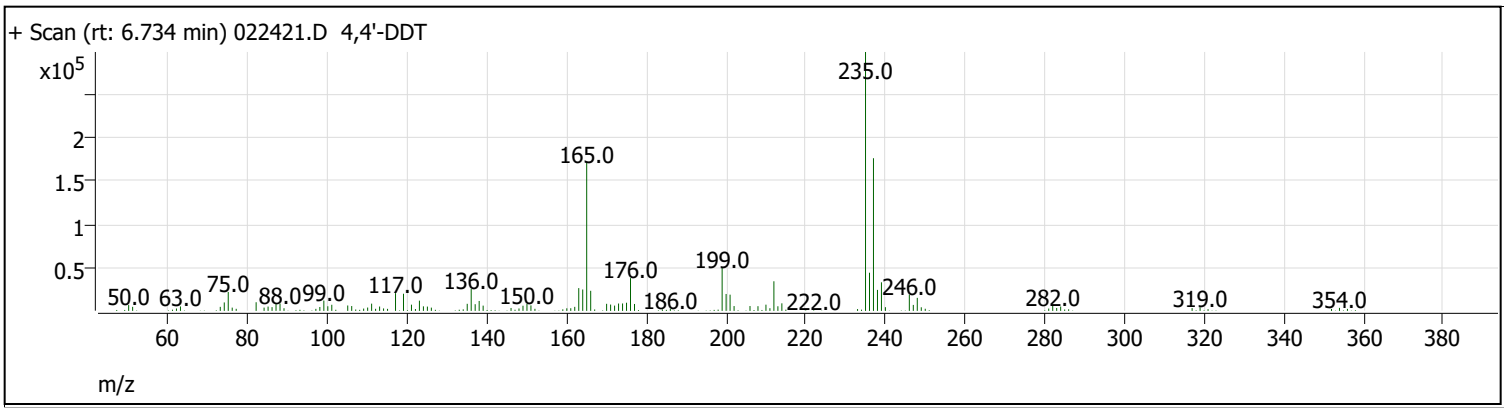


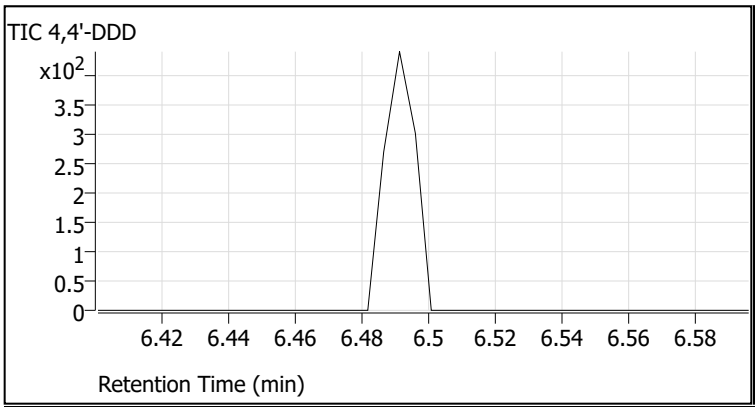
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	1.3	466	Pass
70	69	0	2	0.0	0	Pass
197	198	0	2	0.0	0	Pass
198	198	100	100	100.0	159168	Pass
199	198	5	9	6.7	10722	Pass
365	442	1	100	5.6	10311	Pass
441	443	1E-10	99	74.4	26440	Pass
442	442	100	100	100.0	183744	Pass
443	442	15	24	19.3	35544	Pass
69	69	100	100	100.0	36216	Pass

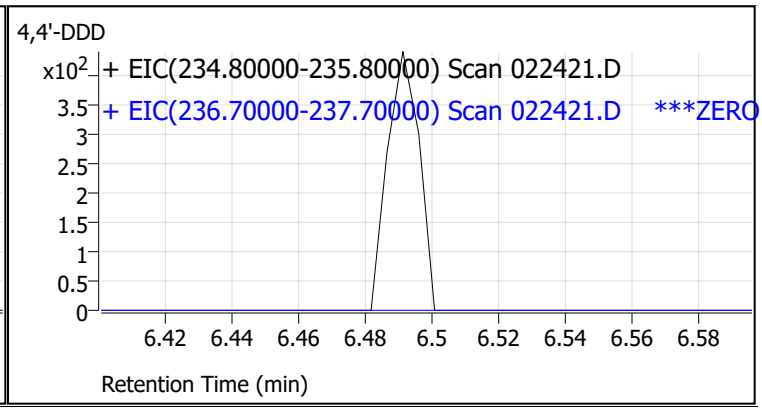
Tune Evaluation Report

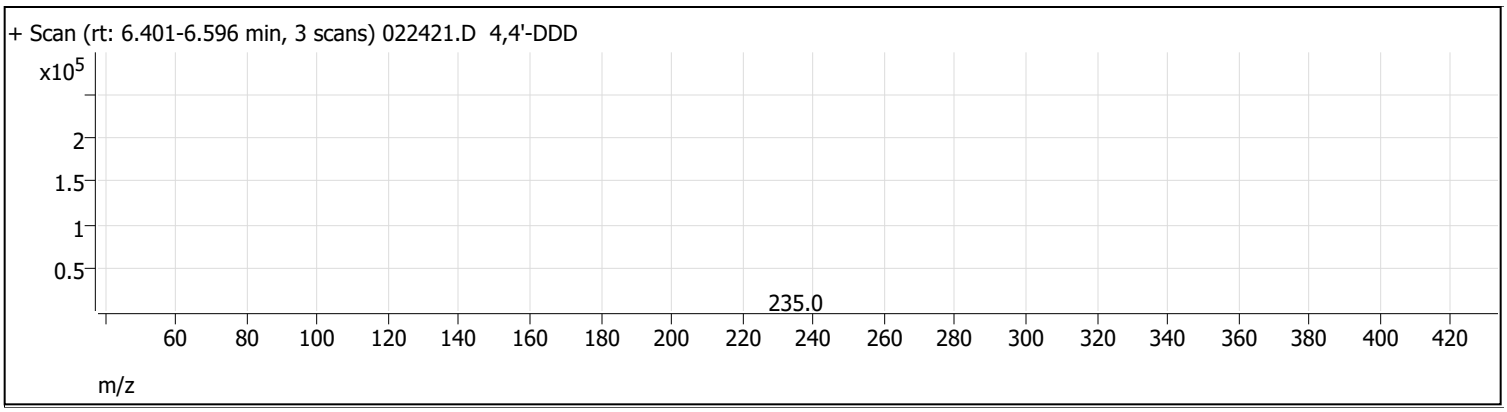


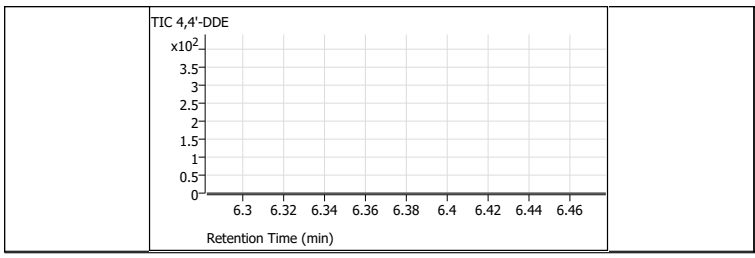


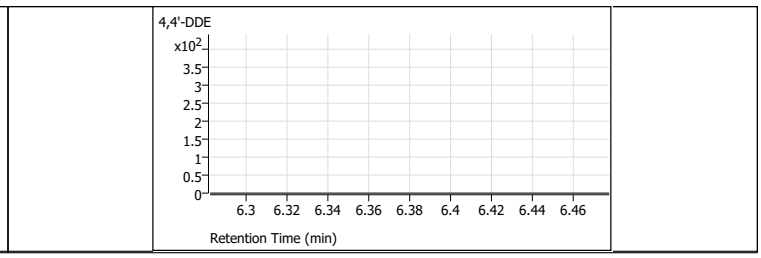




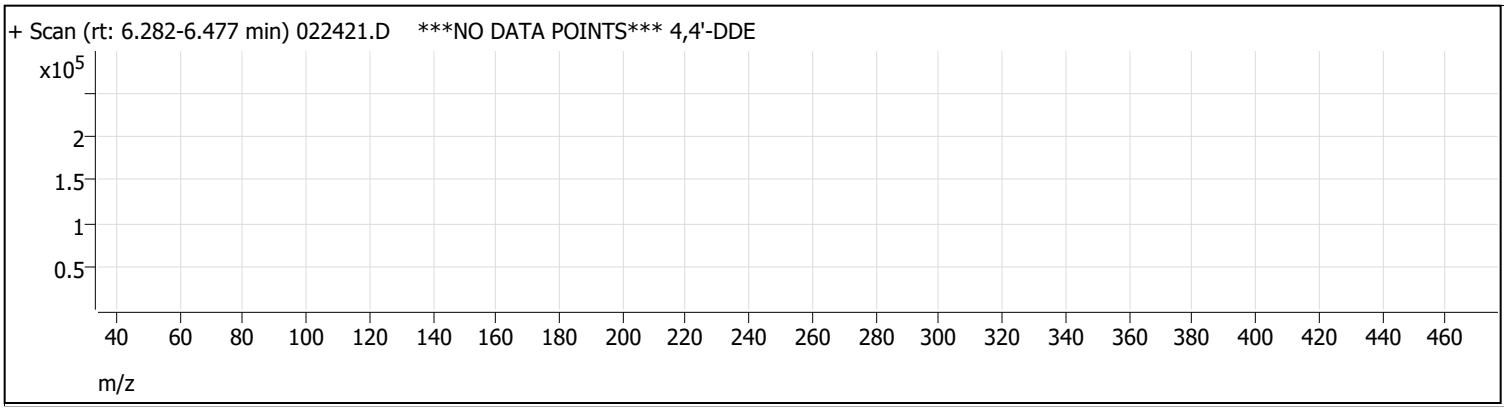






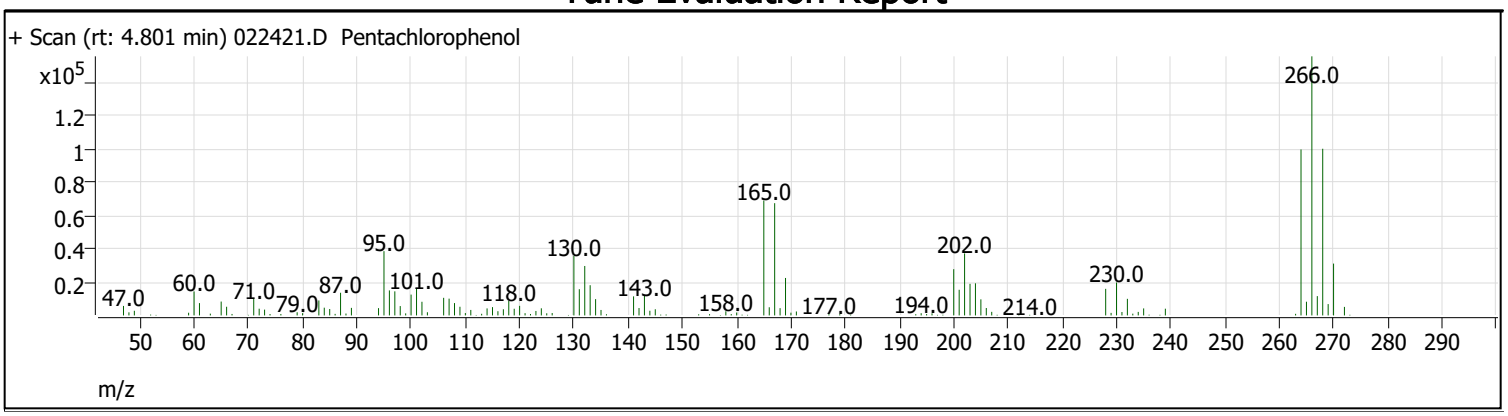


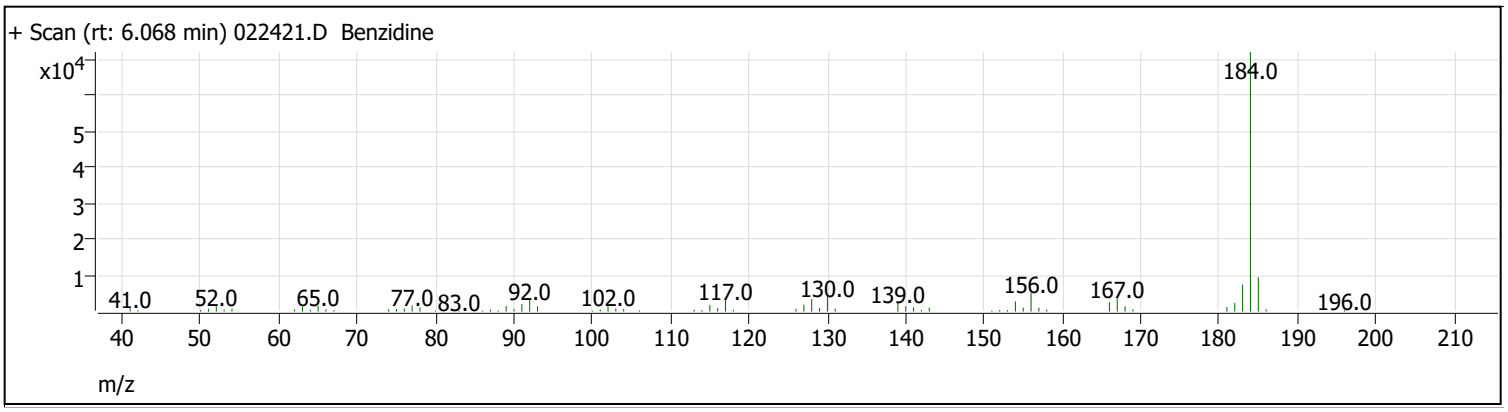
Tune Evaluation Report



Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	6.750	6.734	1554142	0.0	Pass
4,4'-DDD	6.500	0.000	0		
4,4'-DDE	6.380	0.000	0		

Tune Evaluation Report





Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	4.200	4.801	0.8	130.7	Pass
Benzidine	6.250	6.068	0.4	141.9	Pass

Internal Standards

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-14_250226A

CCV Name: CalMDPT

Run No: 97891

CCV SeqNo: 2039550

Lab File ID (Standard): 020510.D

Date Analyzed: 2/5/2025

Instrument ID: GC-14

Time Analyzed: 12:48

GC Column: ID (mm): Length (M):

		IS1 (14DCBZ)		2 Acenaphthene-d		IS3 Chrysene-d12		S4 Naphthalene-d8	
		AREA #	RT #	AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	0	0.000	56496	3.747	75992	7.022	111376	2.406
	UPPER LIMIT	0	0.500	112992	4.247	151984	7.522	222752	2.906
	LOWER LIMIT	0	-0.500	28248	3.247	37996	6.522	55688	1.906
	SAMPLE NO.								
01	CCV-46844A	0	0	77462	3.753	108328	7.029	152701	2.405
02	QCS-46844A	0	0	81913	3.747	117678	7.029	158083	2.405
03	CCV-46844B	0	0	81913	3.747	117678	7.029	158083	2.405
04	QCS-46844B	0	0	82907	3.747	119443	7.022	161219	2.401

IS1 (14DCBZ) = 1,4-Dichlorobenzene-d4

IS2 Acenaphthene-d10 = Acenaphthene-d10

IS3 Chrysene-d12 = Chrysene-d12

IS4 Naphthalene-d8 = Naphthalene-d8

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-14_250226A

Run No: 97891

Lab File ID (Standard): 020510.D

Instrument ID: GC-14

GC Column: ID (mm):

CCV Name: CalMDPT

CCV SeqNo: 2039550

Date Analyzed: 2/5/2025

Time Analyzed: 12:48

Length (M):

		S5 Perylene-d12 AREA #	RT #	6 Phenanthrene-d AREA #	RT #				
	12 HOUR STD	78586	8.085	90271	4.915				
	UPPER LIMIT	157172	8.585	180542	5.415				
	LOWER LIMIT	39293	7.585	45136	4.415				
	SAMPLE NO.								
01	CCV-46844A	111616	8.098	126644	4.915				
02	QCS-46844A	126325	8.085	135931	4.915				
03	QCS-46844B	123498	8.085	137245	4.915				
04	CCV-46844B	126325	8.085	135931	4.915				

IS5 Perylene-d12 = Perylene-d12
IS6 Phenanthrene-d10 = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-14_250226A

CCV Name: CCV-46844A

Run No: 97891

CCV SeqNo: 2039551

Lab File ID (Standard): 022409.D

Date Analyzed: 2/24/2025

Instrument ID: GC-14

Time Analyzed: 15:43

GC Column: ID (mm): Length (M):

		IS1 (14DCBZ)		2 Acenaphthene-d		IS3 Chrysene-d12		S4 Naphthalene-d8	
		AREA #	RT #	AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	0	0.000	77462	3.753	108328	7.029	152701	2.405
	UPPER LIMIT	0	0.500	154924	4.253	216656	7.529	305402	2.905
	LOWER LIMIT	0	-0.500	38731	3.253	54164	6.529	76351	1.905
	SAMPLE NO.								
01	MB-46844	0	0	58046	3.75	74963	7.038	111108	2.41
02	LCS-46844	0	0	57236	3.753	77388	7.03	114207	2.41
03	LCSD-46844	0	0	57485	3.753	78187	7.029	113053	2.41
04	2502364-001A	0	0	59051	3.751	74712	7.036	110400	2.41
05	2502364-002A	0	0	56945	3.75	69933	7.035	105773	2.41
06	2502364-003A	0	0	56729	3.75	70847	7.031	105663	2.41
07	2502364-004A	0	0	59103	3.753	75441	7.037	109337	2.41

IS1 (14DCBZ) = 1,4-Dichlorobenzene-d4

IS2 Acenaphthene-d10 = Acenaphthene-d10

IS3 Chrysene-d12 = Chrysene-d12

IS4 Naphthalene-d8 = Naphthalene-d8

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-14_250226A

Run No: 97891

Lab File ID (Standard): 022409.D

Instrument ID: GC-14

GC Column: ID (mm):

CCV Name: CCV-46844A

CCV SeqNo: 2039551

Date Analyzed: 2/24/2025

Time Analyzed: 15:43

Length (M):

		S5 Perylene-d12		6 Phenanthrene-d					
		AREA #	RT #	AREA #	RT #				
	12 HOUR STD	111616	8.098	126644	4.915				
	UPPER LIMIT	223232	8.598	253288	5.415				
	LOWER LIMIT	55808	7.598	63322	4.415				
	SAMPLE NO.								
01	MB-46844	81488	8.093	91881	4.919				
02	LCS-46844	83875	8.092	95033	4.915				
03	LCSD-46844	81020	8.092	94366	4.915				
04	2502364-001A	83811	8.091	93573	4.919				
05	2502364-002A	81574	8.09	89071	4.919				
06	2502364-003A	82896	8.093	85597	4.919				
07	2502364-004A	87368	8.092	91279	4.921				

IS5 Perylene-d12 = Perylene-d12

IS6 Phenanthrene-d10 = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-14_250226A

CCV Name: CCV-46844B

Run No: 97891

CCV SeqNo: 2039587

Lab File ID (Standard): 022422.D

Date Analyzed: 2/25/2025

Instrument ID: GC-14

Time Analyzed: 8:35

GC Column: ID (mm): Length (M):

		IS1 (14DCBZ)		2 Acenaphthene-d		IS3 Chrysene-d12		S4 Naphthalene-d	
		AREA #	RT #	AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	0	0.000	81913	3.747	117678	7.029	158083	2.405
	UPPER LIMIT	0	0.500	163826	4.247	235356	7.529	316166	2.905
	LOWER LIMIT	0	-0.500	40957	3.247	58839	6.529	79042	1.905
	SAMPLE NO.								
01	2502364-005A	0	0	54922	3.753	74936	7.029	103139	2.405
02	2502364-006A	0	0	58563	3.747	79372	7.029	107602	2.405
03	2502364-007A	0	0	53894	3.747	73021	7.03	99402	2.406
04	2502364-008A	0	0	53613	3.747	73473	7.029	98507	2.405
05	2502364-009A	0	0	57673	3.747	77784	7.029	105188	2.405
06	2502364-010A	0	0	52218	3.75	70546	7.031	96714	2.405
07	2502365-001A	0	0	53463	3.75	71781	7.031	98946	2.406
08	2502365-002A	0	0	52509	3.75	71388	7.028	98362	2.405
09	2502365-003A	0	0	56545	3.747	77356	7.029	103347	2.405
10	2502371-001A	0	0	57440	3.75	80975	7.031	107927	2.405
11	2502393-001E	0	0	58386	3.75	81641	7.031	108337	2.405
12	2502393-002E	0	0	53912	3.751	75516	7.028	102418	2.401
13	2502393-003E	0	0	55239	3.747	75963	7.029	102388	2.405
14	2502393-004E	0	0	57210	3.747	79225	7.029	106848	2.405

IS1 (14DCBZ) = 1,4-Dichlorobenzene-d4
IS2 Acenaphthene-d10 = Acenaphthene-d10
IS3 Chrysene-d12 = Chrysene-d12
IS4 Naphthalene-d8 = Naphthalene-d8

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-14_250226A

Run No: 97891

Lab File ID (Standard): 022422.D

Instrument ID: GC-14

GC Column: ID (mm):

CCV Name: CCV-46844B

CCV SeqNo: 2039587

Date Analyzed: 2/25/2025

Time Analyzed: 8:35

Length (M):

		S5 Perylene-d12		6 Phenanthrene-d					
		AREA #	RT #	AREA #	RT #				
	12 HOUR STD	126325	8.085	135931	4.915				
	UPPER LIMIT	252650	8.585	271862	5.415				
	LOWER LIMIT	63163	7.585	67966	4.415				
	SAMPLE NO.								
01	2502364-005A	83856	8.085	87639	4.915				
02	2502364-006A	86848	8.085	93831	4.915				
03	2502364-007A	76396	8.085	86703	4.915				
04	2502364-008A	80099	8.085	85582	4.915				
05	2502364-009A	85650	8.085	92510	4.915				
06	2502364-010A	80024	8.086	80595	4.919				
07	2502365-001A	82230	8.086	85502	4.912				
08	2502365-002A	79220	8.09	84920	4.912				
09	2502365-003A	82677	8.092	87999	4.915				
10	2502371-001A	88145	8.086	91133	4.912				
11	2502393-001E	87624	8.093	92511	4.912				
12	2502393-002E	79778	8.091	85829	4.913				
13	2502393-003E	79920	8.092	86933	4.915				
14	2502393-004E	85072	8.085	89882	4.915				

IS5 Perylene-d12 = Perylene-d12

IS6 Phenanthrene-d10 = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

Supporting Data

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **2/21/2025 2:48:01 P**
Prep End Date: **2/21/2025 3:16:51 P**
Technician: **Drake Imanishi**

Balance 4
Autofill
EC 2121

Prep Factor Units:
mL / mL

Prep Batch ID: **46844** Prep Code: **PREP-PAH-W** Method No: **SW3510C**

Sample ID	ClientSampleID		Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46844		117	Water	400	1	0.003	2/21/2025	2/21/2025
LCS-46844		118	Water	400	1	0.003	2/21/2025	2/21/2025
LCSD-46844		119	Water	400	1	0.003	2/21/2025	2/21/2025
2502364-001A	Inital	120	Stormwater	417.59	1	0.002	2/21/2025	2/21/2025
2502364-002A	BSM_1	121	Stormwater	405.06	1	0.002	2/21/2025	2/21/2025
2502364-003A	BSM_2	122	Stormwater	412.8	1	0.002	2/21/2025	2/21/2025
2502364-004A	BSM_3	123	Stormwater	417.44	1	0.002	2/21/2025	2/21/2025
2502364-005A	OlympicSilt_1	124	Stormwater	412.88	1	0.002	2/21/2025	2/21/2025
2502364-006A	OlympicSilt_2	125	Stormwater	414.63	1	0.002	2/21/2025	2/21/2025
2502364-007A	OlympicSilt_3	126	Stormwater	414.42	1	0.002	2/21/2025	2/21/2025
2502364-008A	OlympicClay_1	127	Stormwater	415.42	1	0.002	2/21/2025	2/21/2025
2502364-009A	OlympicClay_2	128	Stormwater	415.57	1	0.002	2/21/2025	2/21/2025
2502364-010A	OlympicClay_3	131	Stormwater	417.57	1	0.002	2/21/2025	2/21/2025
2502365-001A	CentLoam_1	132	Stormwater	419.91	1	0.002	2/21/2025	2/21/2025
2502365-002A	CentLoam_2	133	Stormwater	416.73	1	0.002	2/21/2025	2/21/2025
2502365-003A	CentLoam_3	134	Stormwater	416.07	1	0.002	2/21/2025	2/21/2025
2502371-001A	OF-002AC-021825	135	Water	413.14	1	0.002	2/21/2025	2/21/2025
2502391-001C	DRF-Markey	136	Wastewater	415.15	1	0.002	2/21/2025	2/21/2025
2502393-001E	GEI-11_022025	137	Water	416.93	1	0.002	2/21/2025	2/21/2025
2502393-002E	GEI-12_022025	138	Water	414.31	1	0.002	2/21/2025	2/21/2025
2502393-003E	GEI-13_022025	139	Water	416.12	1	0.002	2/21/2025	2/21/2025
2502393-004E	GEI-DUP_022025	140	Water	416.01	1	0.002	2/21/2025	2/21/2025
2502404-001C	Sample	141	Water	361.73	1	0.003	2/21/2025	2/21/2025

Run1 2/24
Run3 2/24
2/27
625
2/28
625
full volume provided

Polyaromatic Hydrocarbons Water Prep Bench Sheet

Analyst:	DI + GMG + EC
Date and Time:	2-21-25
Batch:	46844

Notes / Modifications

Final Volume Before Analysis	1 mL

Equipment	
Type	ID
Balance:	4
Solvent Dispenser:	5
Buchi:	3
Other:	

Bottle Roller Times	
Roller START:	1800
Roller STOP:	800
Roller START:	
Roller STOP:	

Buchi Concentration Times	
Buchi START:	9:06
Buchi STOP:	10:18
Buchi START:	1:40
Buchi STOP:	3:08

Spikes / Chemicals / Reagents	Omega ID	Amount Used
8270 Spike Mix 200-400 µg/mL	31001	10 µL
8270 Surr. Mix 100-200 µg/mL	30847	10 µL
1:1 Sulfuric Acid	7130	~1 mL
pH strips	30189	1 PC/ea
Methylene Chloride	8801	70 mL
Sodium Sulfate	8645	~5 g
8270 Internal Standard 200 µg/mL	30990	10 µL *

* 10 µL added to a 1.0 mL aliquot of extract *

Samples verified pH < 2	Initial/Date
	gmg 2/21

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date
	DI 2/21/25

Dilutions	
Sample ID	Dilution Description

Sign and date below if you contributed to this preparation batch

2/21/25 Zachary J. 2/24/25

2/21/25

Boyan Chim 2-24-25

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **2/21/2025 2:48:01 P**
Prep End Date: **2/21/2025 3:16:51 P**
Technician: **Drake Imanishi**

Prep Factor Units: **mL / mL**

Prep Batch ID: **46844** Prep Code: **PREP-PAH-W** Method No: **SW3510C**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46844		Water	400	1	0.003	2/21/2025	2/21/2025
LCS-46844		Water	400	1	0.003	2/21/2025	2/21/2025
LCSD-46844		Water	400	1	0.003	2/21/2025	2/21/2025
2502364-001A	Inital	Stormwater	417.59	1	0.002	2/21/2025	2/21/2025
2502364-002A	BSM_1	Stormwater	405.06	1	0.002	2/21/2025	2/21/2025
2502364-003A	BSM_2	Stormwater	412.8	1	0.002	2/21/2025	2/21/2025
2502364-004A	BSM_3	Stormwater	417.44	1	0.002	2/21/2025	2/21/2025
2502364-005A	OlympicSilt_1	Stormwater	412.88	1	0.002	2/21/2025	2/21/2025
2502364-006A	OlympicSilt_2	Stormwater	414.63	1	0.002	2/21/2025	2/21/2025
2502364-007A	OlympicSilt_3	Stormwater	414.42	1	0.002	2/21/2025	2/21/2025
2502364-008A	OlympicClay_1	Stormwater	415.42	1	0.002	2/21/2025	2/21/2025
2502364-009A	OlympicClay_2	Stormwater	415.57	1	0.002	2/21/2025	2/21/2025
2502364-010A	OlympicClay_3	Stormwater	417.57	1	0.002	2/21/2025	2/21/2025
2502365-001A	CentLoam_1	Stormwater	419.91	1	0.002	2/21/2025	2/21/2025
2502365-002A	CentLoam_2	Stormwater	416.73	1	0.002	2/21/2025	2/21/2025
2502365-003A	CentLoam_3	Stormwater	416.07	1	0.002	2/21/2025	2/21/2025
2502371-001A	OF-002AC-021825	Water	413.14	1	0.002	2/21/2025	2/21/2025
2502391-001C	DRF-Markey-	Wastewater	415.15	1	0.002	2/21/2025	2/21/2025
2502393-001E	GEI-11_022025	Water	416.93	1	0.002	2/21/2025	2/21/2025
2502393-002E	GEI-12_022025	Water	414.31	1	0.002	2/21/2025	2/21/2025
2502393-003E	GEI-13_022025	Water	416.12	1	0.002	2/21/2025	2/21/2025
2502393-004E	GEI-DUP_022025	Water	416.01	1	0.002	2/21/2025	2/21/2025
2502404-001C	Sample	Water	361.73	1	0.003	2/21/2025	2/21/2025
	full volume provided						

Reporting Checklist

Analyst: Savannah Houser
Date: 2/26/25
Prep #: 46844
Run(s) #: 97891

Workorder(s): 2502364; 2502365; 2502371; 2502393
Analysis: O-PAH-W-SIM

Y/N		Reviewed
Y	**Run complete? (i.e., all QC, samples, dilutions present)**	✔
N	**All QC within limits?** [ ] Exceedances acceptable per QA Manual and/or Auth'd by PM____?	✔

☑CCV out ☑LCS out ☐MS out ☐Blank hits ☐IS/surr out ☐RPD out
☐Hold time ☐Other_____

CCV-B biased high; samples ND

[ ] Any pending dilutions, re-extracts, or reanalysis to be completed in future run?

N/A **Manual entries/narratives reviewed for accuracy? (note below)** Analyst: Reviewer: [ ]

✔ **Omega checks performed?** ✔

- ✔ SampID, Test Code, Type, Prep
- ✔ PMOIST, pH
- ✔ BLKref, SPKref, RPDref, CCVref
- ✔ Attachments ✔
  - ☑Sequence ☑Cgrams ☑Bench Sheets ☑Perf Checks ☑Tech Doc
- ✔ Related Info ✔
  - ☑ICAL Ref ☑ICAL Ack/QA'd? ☑Spiking Info/CCV Std ☐_____
- ✔ Reporting Checks ✔
  - ☐Dilutions data/narr redundancy check ☐RLs OK (low wt, high pmoist, dilutions)

Notes for Reviewer

By signing, I attest that I have followed the SOP

Savannah Houser 2/26/25 — Analyst — Date

LAD 2/27/25 — Reviewer — Date

DATA SET for Review - Deliverable Requirements

Volatile Organic Compounds by EPA 8260D

Alliance Technical Group Work Order No. 2502393

GeoEngineers

Project Name: 701/709 South Jackson St.

Project Number: 24504-001-04

This data set contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information
- Internal Standards Report

Injection Log

Data Directory: D:\GC-27\DATA\022125\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	022101.D	8260B_45to1_SS.M			
R		O-VOC-S-SS		1.000	21 Feb 2025 08:49 am
2)	022102.D	8260B_45to1_SS.M			
SIM W CCV		O-VOC-S-SS	66	1.000	21 Feb 2025 09:15 am
3)	022103.D	8260B_45to1_SS.M			
SIM S CCV		O-VOC-S-SS	67	1.000	21 Feb 2025 09:41 am
4)	022104.D	8260B_45to1_SS.M			
GX CCV		O-VOC-S-SS	68	1.000	21 Feb 2025 10:08 am
5)	022105.D	8260B_45to1_SS.M			
R		O-VOC-S-SS		1.000	21 Feb 2025 10:33 am
6)	022106.D	8260B_45to1_SS.M			
R		O-VOC-S-SS		1.000	21 Feb 2025 02:25 pm
7)	022107.D	8260B_45to1_SS.M			
MB W		O-VOC-S-SS	69	1.000	21 Feb 2025 02:52 pm
8)	022108.D	8260B_45to1_SS.M			
2502393-005A TB		O-VOC-S-SS	70	1.000	21 Feb 2025 03:18 pm
9)	022109.D	8260B_45to1_SS.M			
2502393-001A		O-VOC-S-SS	71	1.000	21 Feb 2025 03:45 pm
10)	022110.D	8260B_45to1_SS.M			
2502393-002A		O-VOC-S-SS	72	1.000	21 Feb 2025 04:11 pm
11)	022111.D	8260B_45to1_SS.M			
2502393-003A		O-VOC-S-SS	73	1.000	21 Feb 2025 04:37 pm
12)	022112.D	8260B_45to1_SS.M			
2502393-004A		O-VOC-W-SS	74	1.000	21 Feb 2025 05:04 pm
13)	022113.D	8260B_45to1_SS.M			
2502393-004ADUP		O-VOC-W-SS	75	1.000	21 Feb 2025 05:30 pm
14)	022114.D	8260B_45to1_SS.M			
R		O-VOC-W-SS		1.000	21 Feb 2025 05:56 pm
15)	022115.D	8260B_45to1_SS.M			
SIM W CCV		O-VOC-W-SS	76	1.000	21 Feb 2025 06:22 pm
16)	022116.D	8260B_45to1_SS.M			
GX CCV		O-VOC-W-SS	77	1.000	21 Feb 2025 06:48 pm
17)	022117.D	8260B_45to1_SS.M			
R		O-VOC-W-SS		1.000	21 Feb 2025 07:14 pm

Injection Log

Data Directory: D:\GC-27\DATA\021325\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	021301.D	8260B_45to1_SS.M			
R		O-VOC-S-SS		1.000	13 Feb 2025 08:48 am
2)	021302.D	8260B_45to1_SS.M			
SIM W CCV		O-VOC-S-SS	1	1.000	13 Feb 2025 09:14 am
3)	021303.D	8260B_45to1_SS.M			
SIM S CCV		O-VOC-S-SS	2	1.000	13 Feb 2025 09:40 am
4)	021304.D	8260B_45to1_SS.M			
GX CCV		O-VOC-S-SS	3	1.000	13 Feb 2025 10:07 am
5)	021305.D	8260B_45to1_SS.M			
R		O-VOC-S-SS		1.000	13 Feb 2025 10:32 am
6)	021306.D	8260B_45to1_SS.M			
MB W		O-VOC-S-SS	4	1.000	13 Feb 2025 11:26 am
7)	021307.D	8260B_45to1_SS.M			
2502180-001A		O-VOC-W	5	1.000	13 Feb 2025 12:06 pm
8)	021308.D	8260B_45to1_SS.M			
2502180-001ADUP		O-VOC-W	6	1.000	13 Feb 2025 12:32 pm
9)	021309.D	8260B_45to1_SS.M			
2502177-001A 50X		O-VOC-W	7	1.000	13 Feb 2025 12:58 pm
10)	021310.D	8260B_45to1_SS.M			
2502178-001A 1000X		O-VOC-W	8	1.000	13 Feb 2025 01:25 pm
11)	021311.D	8260B_45to1_SS.M			
R		O-VOC-S-SS		1.000	13 Feb 2025 01:50 pm
12)	021312.D	8260B_45to1_SS.M			
R		O-VOC-S-SS		1.000	13 Feb 2025 02:55 pm
13)	021313.D	8260B_45to1_SS.M			
GX CCV		O-VOC-S-SS	9	1.000	13 Feb 2025 03:21 pm
14)	021314.D	8260B_45to1_SS.M			
R		O-VOC-S-SS		1.000	13 Feb 2025 03:46 pm
15)	021315.D	8260B_45to1_SS.M			
R		O-VOC-S-SS		1.000	13 Feb 2025 04:23 pm
16)	021316.D	8260B_45to1_SS.M			
R		O-VOC-S-SS		1.000	13 Feb 2025 04:48 pm
17)	021317.D	8260B_45to1_SS.M			
R		O-VOC-S-SS		1.000	13 Feb 2025 05:14 pm
18)	021318.D	8260B_45to1_SS.M			
R		O-VOC-S-SS		1.000	13 Feb 2025 05:39 pm
19)	021319.D	8260B_45to1_SS.M			
VOC S SS ICAL 1		O-VOC-S-SS	10	1.000	13 Feb 2025 06:05 pm
20)	021320.D	8260B_45to1_SS.M			
VOC S SS ICAL 2		O-VOC-S-SS	11	1.000	13 Feb 2025 06:32 pm
21)	021321.D	8260B_45to1_SS.M			
VOC S SS ICAL 3		O-VOC-S-SS	12	1.000	13 Feb 2025 06:58 pm

22) 021322.D 8260B_45to1_SS.M
VOC S SS ICAL 4 O-VOC-S-SS 13 1.000 13 Feb 2025 07:24 pm

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23) 021323.D 8260B_45to1_SS.M
VOC S SS ICAL 5 O-VOC-S-SS 14 1.000 13 Feb 2025 07:51 pm

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24) 021324.D 8260B_45to1_SS.M
VOC S SS ICAL 6 O-VOC-S-SS 15 1.000 13 Feb 2025 08:17 pm

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25) 021325.D 8260B_45to1_SS.M
VOC S SS ICAL 7 O-VOC-S-SS 16 1.000 13 Feb 2025 08:43 pm

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26) 021326.D 8260B_45to1_SS.M
VOC S SS ICAL 8 O-VOC-S-SS 17 1.000 13 Feb 2025 09:10 pm

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27) 021327.D 8260B_45to1_SS.M
VOC S SS ICAL 9 O-VOC-S-SS 18 1.000 13 Feb 2025 09:36 pm

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28) 021328.D 8260B_45to1_SS.M
VOC S SS ICAL 10 O-VOC-S-SS 19 1.000 13 Feb 2025 10:02 pm

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29) 021329.D 8260B_45to1_SS.M
VOC S SS ICAL 11 O-VOC-S-SS 20 1.000 13 Feb 2025 10:29 pm

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30) 021330.D 8260B_45to1_SS.M
R O-VOC-S-SS 1.000 13 Feb 2025 10:54 pm

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31) 021331.D 8260B_45to1_SS.M
R O-VOC-S-SS 1.000 13 Feb 2025 11:19 pm

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32) 021332.D 8260B_45to1_SS.M
R O-VOC-S-SS 1.000 13 Feb 2025 11:44 pm

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33) 021333.D 8260B_45to1_SS.M
ICB O-VOC-S-SS 21 1.000 14 Feb 2025 12:11 am

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34) 021334.D 8260B_45to1_SS.M
ICV O-VOC-S-SS 22 1.000 14 Feb 2025 12:37 am

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35) 021335.D 8260B_45to1_SS.M
R O-VOC-S-SS 1.000 14 Feb 2025 01:02 am

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36) 021402.D 8260B_45to1_SS.M
SIM W CCV O-VOC-S-SS 23 1.000 14 Feb 2025 10:02 am

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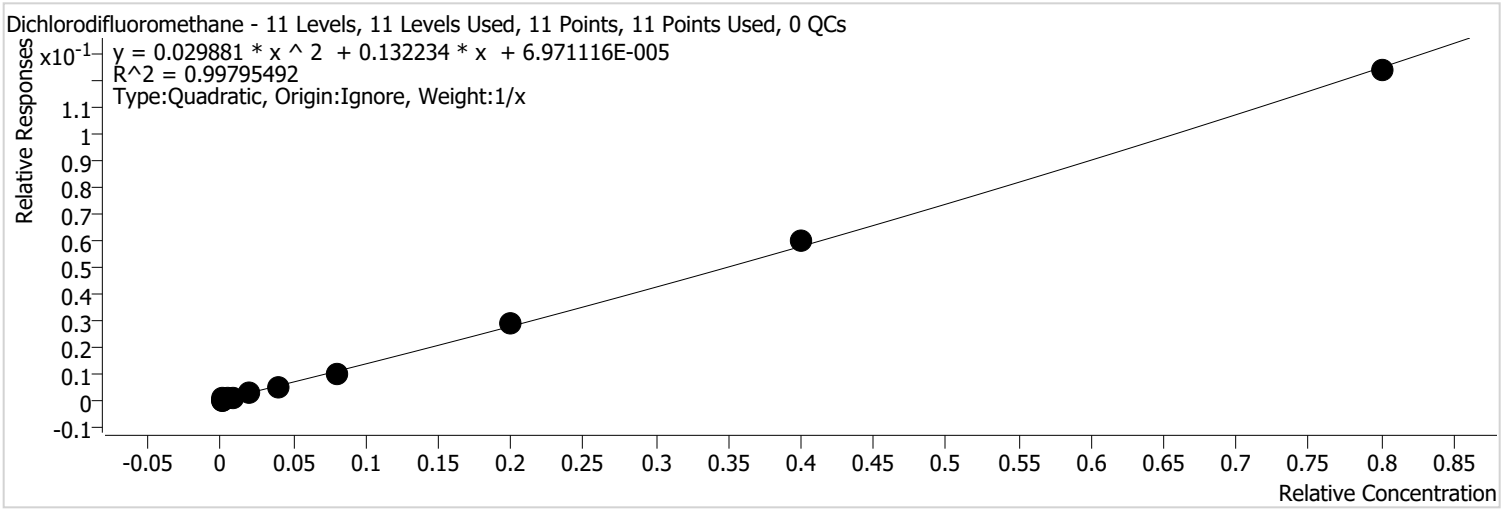
37) 021403.D 8260B_45to1_SS.M
SIM S CCV O-VOC-S-SS 24 1.000 14 Feb 2025 10:28 am

Calibration

Calibration Report

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:34 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

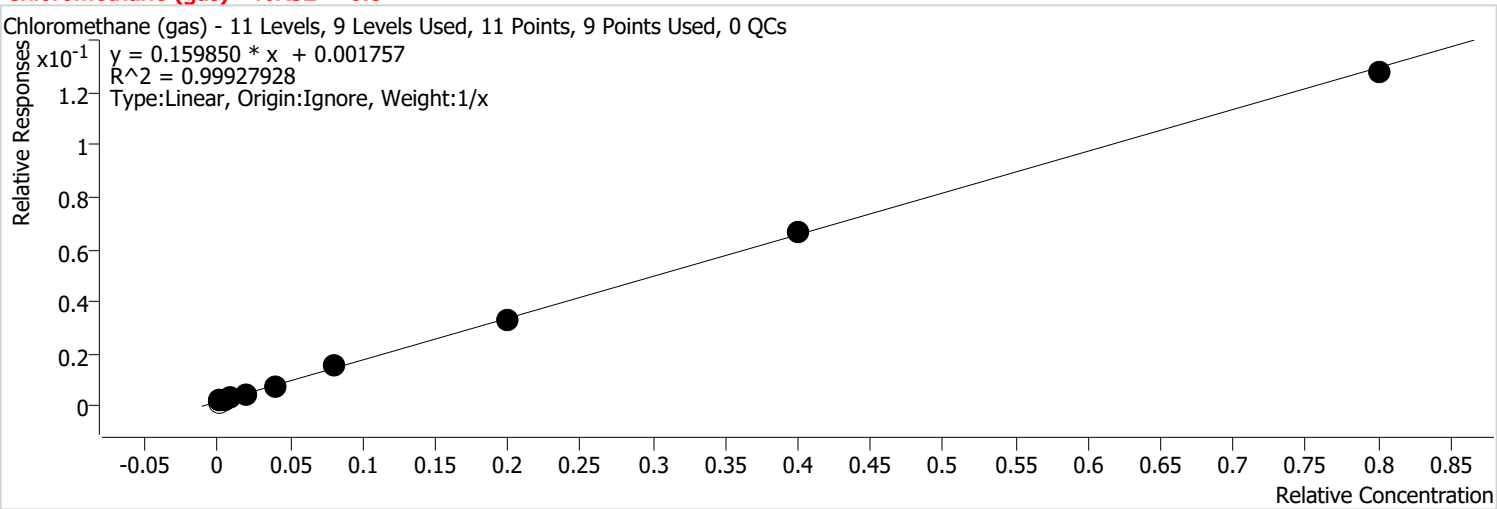
Dichlorodifluoromethane %RSE = 13.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1	x	192	0.0050	0.5214	
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	229	0.0100	0.3112	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	579	0.0500	0.1547	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1090	0.1000	0.1439	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	2092	0.2000	0.1423	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	5172	0.5000	0.1372	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	8527	1.0000	0.1135	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	17489	2.0000	0.1172	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	55013	5.0000	0.1460	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	114204	10.0000	0.1496	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	241254	20.0000	0.1547	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Chloromethane (gas) %RSE = 6.8

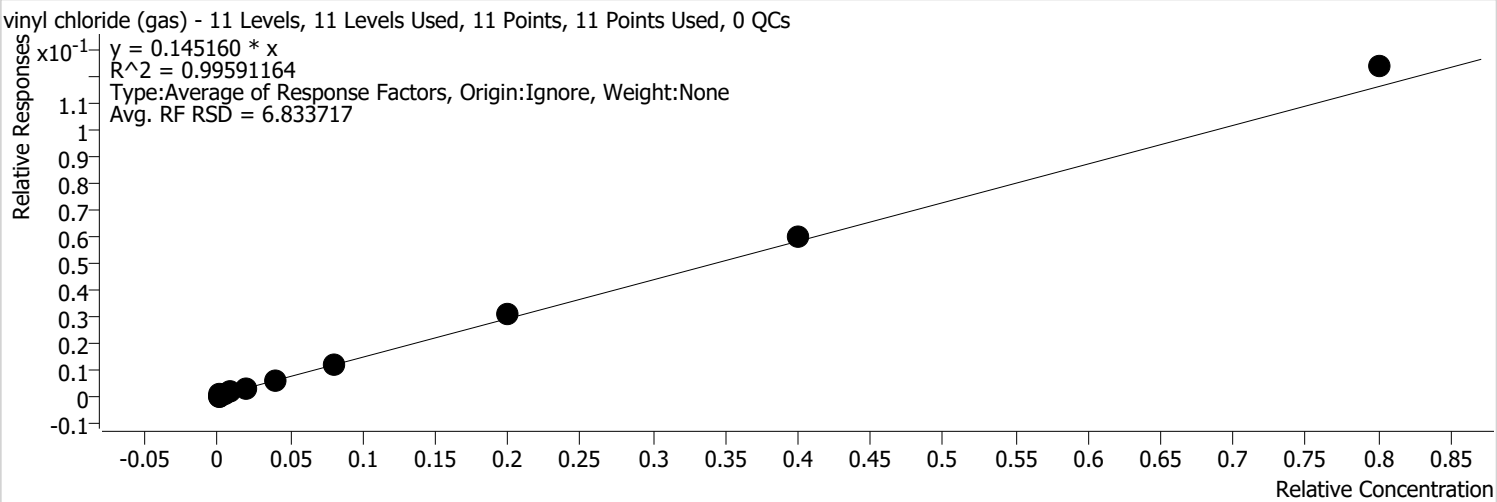


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		3181	0.0050	8.6384	
D:\GC-27\DATA\021325\021320.D	Calibration	2		3707	0.0100	5.0370	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	3946	0.0500	1.0543	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	4403	0.1000	0.5812	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	5561	0.2000	0.3782	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	9135	0.5000	0.2423	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	14943	1.0000	0.1989	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	29056	2.0000	0.1947	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	63209	5.0000	0.1677	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	128213	10.0000	0.1679	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	248877	20.0000	0.1596	

Calibration Report

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

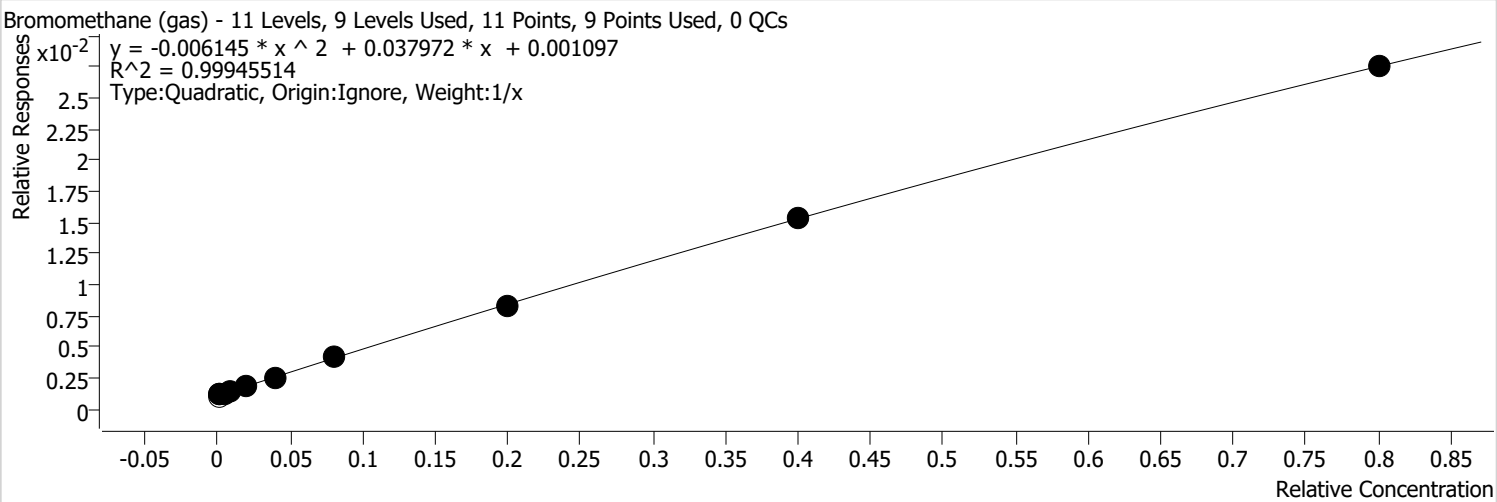
vinyl chloride (gas) %RSE = 6.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1	x	46	0.0050	0.1260	
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	104	0.0100	0.1417	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	513	0.0500	0.1371	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1128	0.1000	0.1489	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	2283	0.2000	0.1553	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	5891	0.5000	0.1563	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	10090	1.0000	0.1343	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	21029	2.0000	0.1409	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	57727	5.0000	0.1532	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	113518	10.0000	0.1487	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	240954	20.0000	0.1545	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

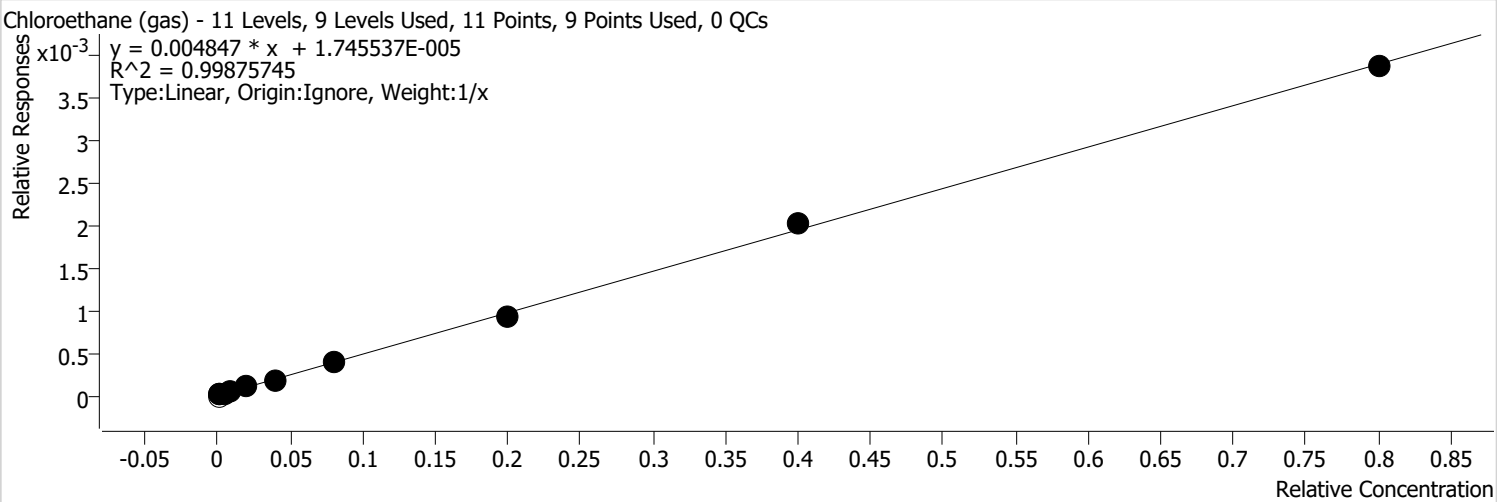
Bromomethane (gas) %RSE = 11.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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D:\GC-27\DATA\021325\021320.D	Calibration	2		2183	0.0100	2.9668	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	2208	0.0500	0.5900	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	2299	0.1000	0.3034	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	2647	0.2000	0.1800	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	3545	0.5000	0.0941	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	4741	1.0000	0.0631	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	7807	2.0000	0.0523	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	15665	5.0000	0.0416	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	29428	10.0000	0.0385	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	53632	20.0000	0.0344	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

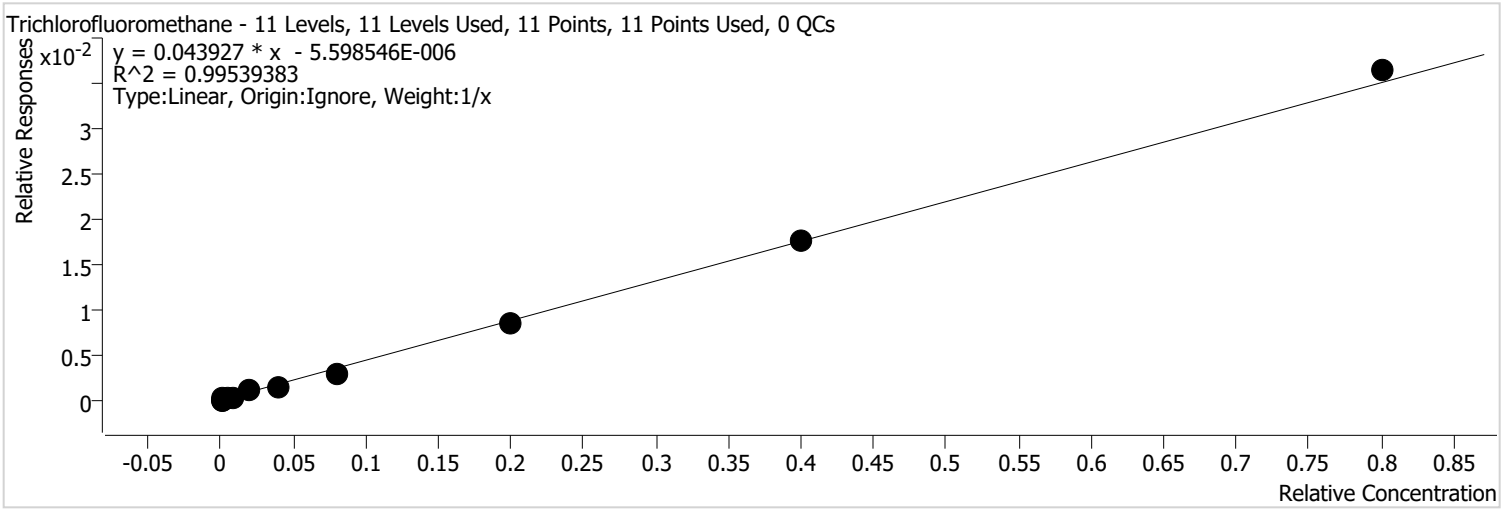
Chloroethane (gas) %RSE = 9.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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D:\GC-27\DATA\021325\021320.D	Calibration	2		27	0.0100	0.0367	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	52	0.0500	0.0139	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	65	0.1000	0.0086	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	106	0.2000	0.0072	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	243	0.5000	0.0064	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	360	1.0000	0.0048	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	746	2.0000	0.0050	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	1797	5.0000	0.0048	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	3876	10.0000	0.0051	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	7534	20.0000	0.0048	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

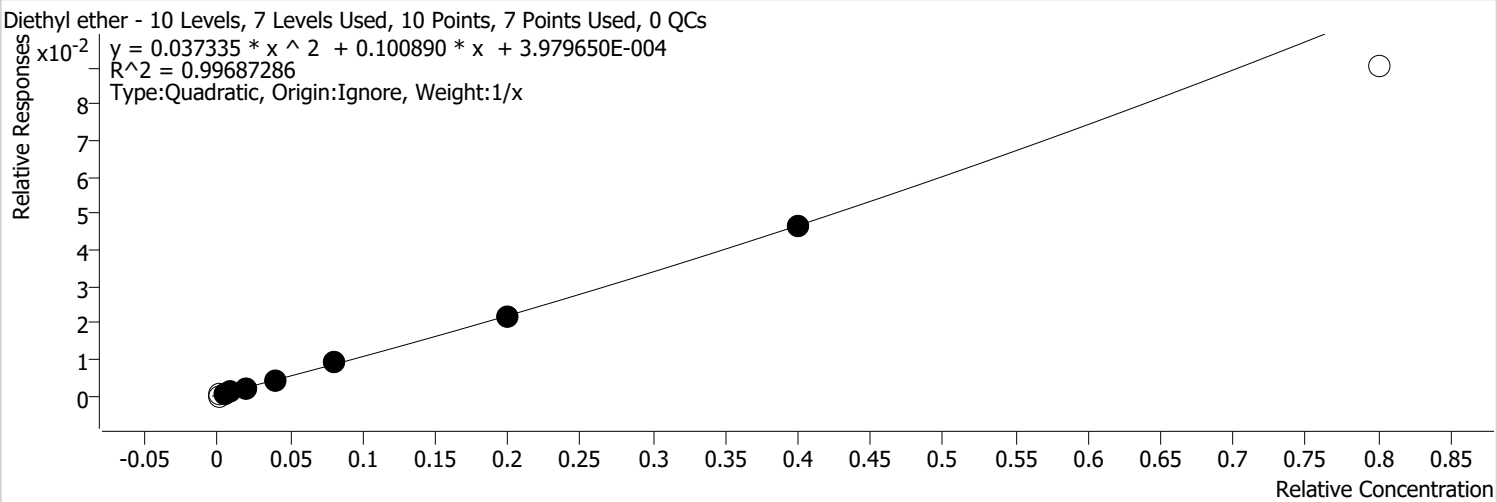
Trichlorofluoromethane %RSE = 17.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1	x	12	0.0050	0.0320	
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	26	0.0100	0.0351	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	137	0.0500	0.0367	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	306	0.1000	0.0404	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	645	0.2000	0.0439	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	1783	0.5000	0.0473	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	2541	1.0000	0.0338	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	5195	2.0000	0.0348	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	15856	5.0000	0.0421	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	33733	10.0000	0.0442	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	71058	20.0000	0.0456	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

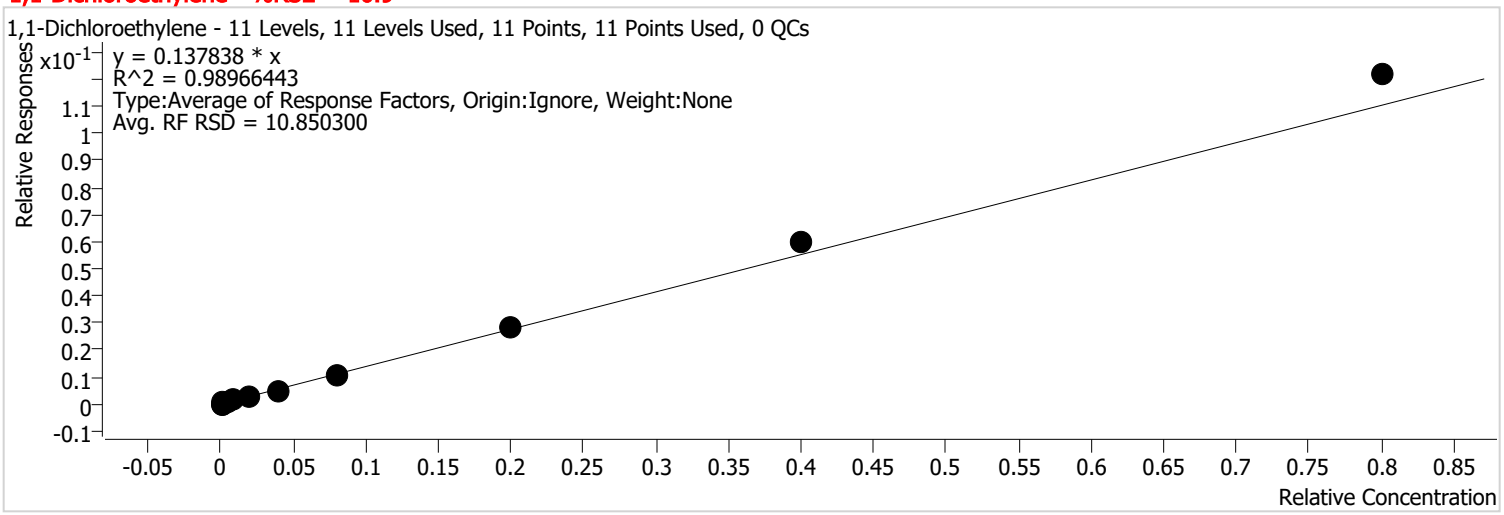
Diethyl ether %RSE = 19.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		246	0.0050	0.6673	
D:\GC-27\DATA\021325\021321.D	Calibration	3		849	0.0500	0.2268	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1463	0.1000	0.1931	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	2599	0.2000	0.1768	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	3574	0.5000	0.0948	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	8684	1.0000	0.1156	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	17314	2.0000	0.1160	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	40671	5.0000	0.1079	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	89465	10.0000	0.1172	
D:\GC-27\DATA\021325\021329.D	Calibration	11		175802	20.0000	0.1127	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

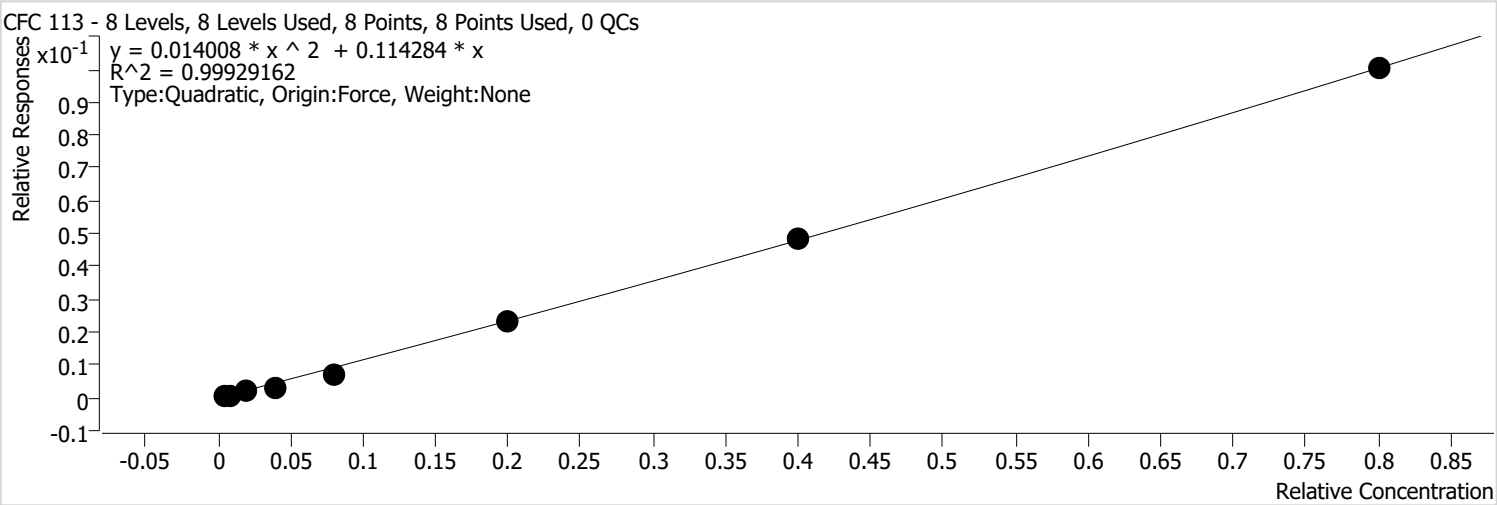
1,1-Dichloroethylene %RSE = 10.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1	x	45	0.0050	0.1211	
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	79	0.0100	0.1079	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	525	0.0500	0.1404	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1104	0.1000	0.1457	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	2212	0.2000	0.1504	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	5773	0.5000	0.1532	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	9320	1.0000	0.1241	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	19401	2.0000	0.1300	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	53701	5.0000	0.1425	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	113884	10.0000	0.1491	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	236968	20.0000	0.1520	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

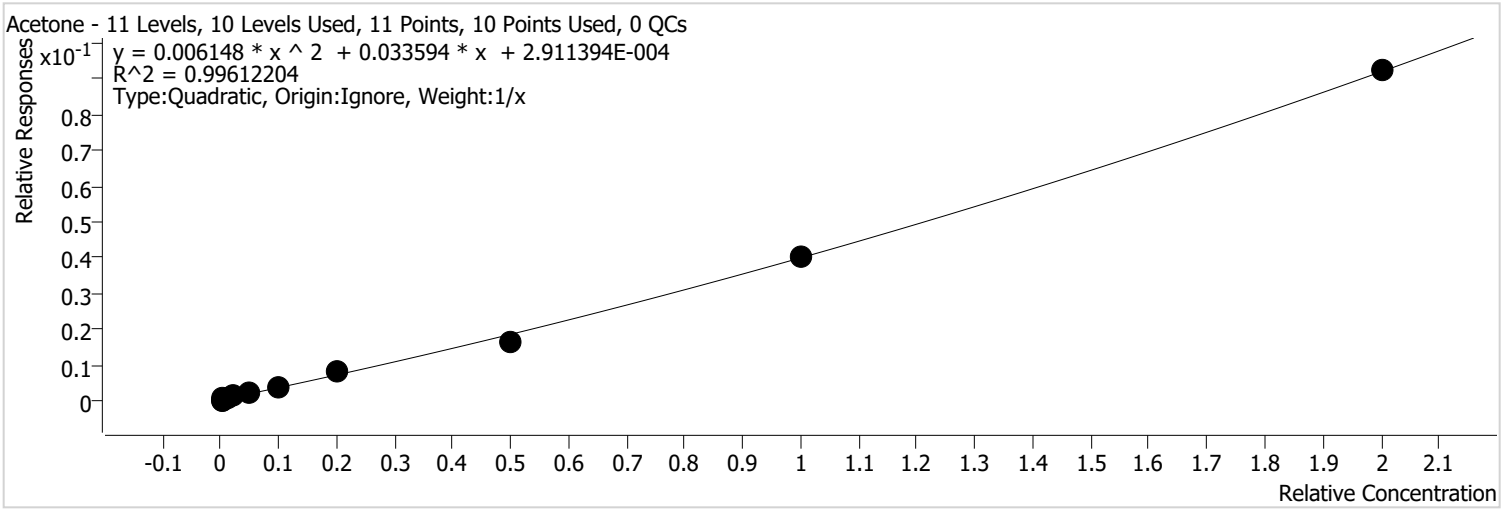
CFC 113 %RSE = 20.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	641	0.1000	0.0846	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	1593	0.2000	0.1083	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	4711	0.5000	0.1250	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	6182	1.0000	0.0823	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	13712	2.0000	0.0919	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	44137	5.0000	0.1171	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	93272	10.0000	0.1221	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	195305	20.0000	0.1252	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

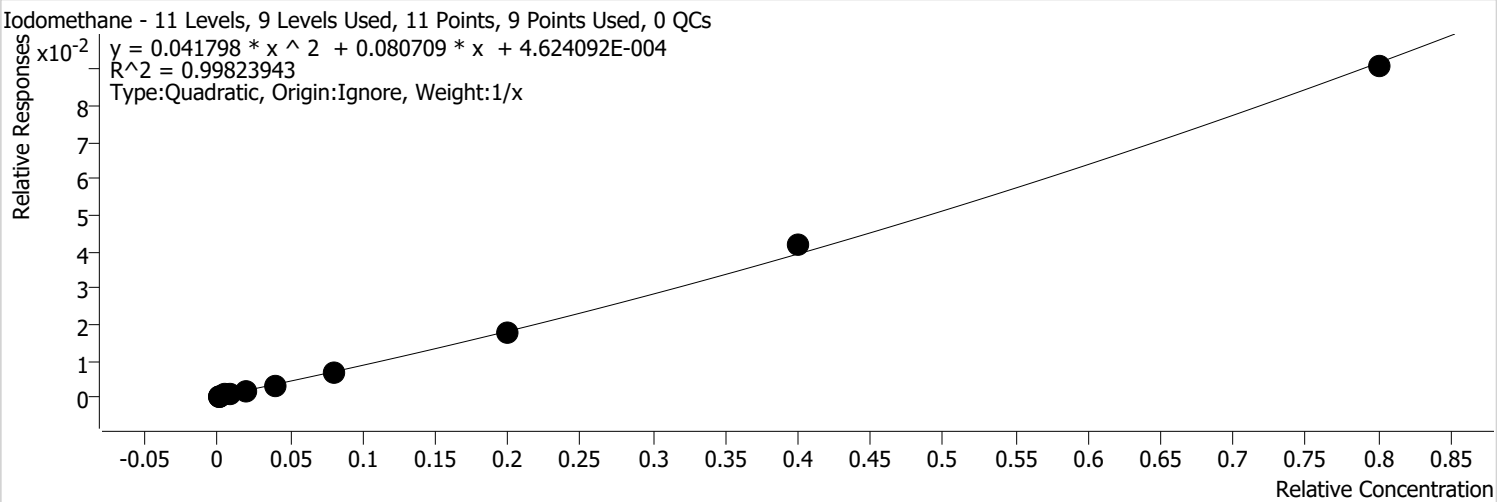
Acetone %RSE = 31.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		565	0.0125	0.6135	
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	560	0.0250	0.3043	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	860	0.1250	0.0919	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1097	0.2500	0.0579	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	2310	0.5000	0.0628	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	4601	1.2500	0.0488	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	7225	2.5000	0.0385	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	15279	5.0000	0.0410	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	30352	12.5000	0.0322	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	77391	25.0000	0.0405	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	179989	50.0000	0.0462	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

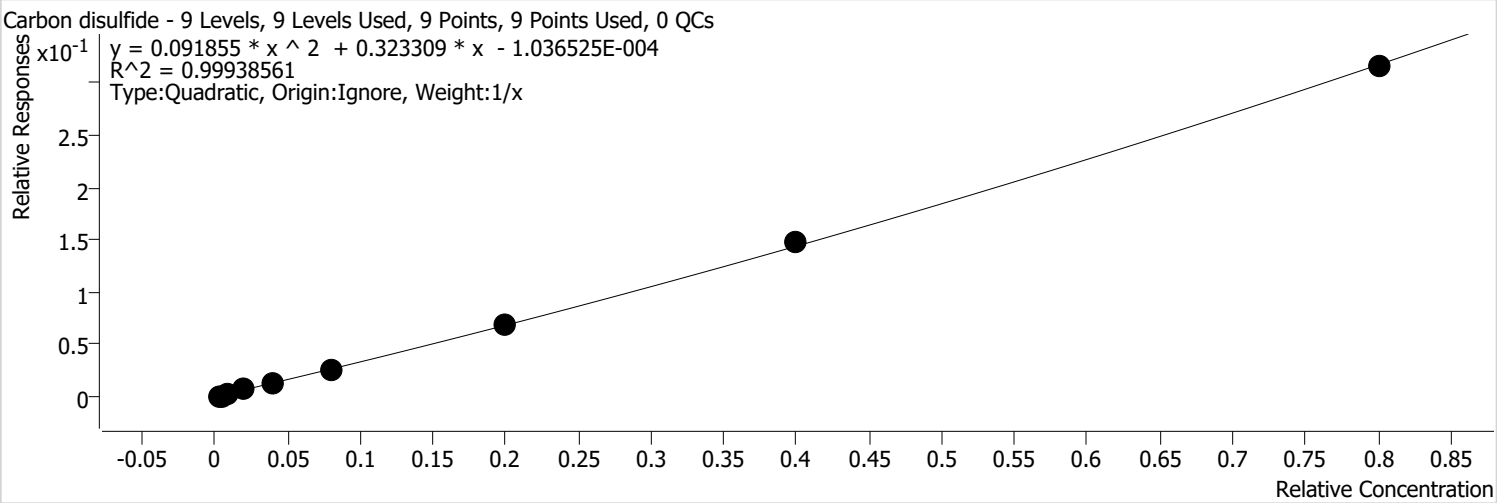
Iodomethane %RSE = 15.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		1105	0.0050	3.0021	
D:\GC-27\DATA\021325\021320.D	Calibration	2		1143	0.0100	1.5526	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	1267	0.0500	0.3385	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1490	0.1000	0.1967	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	2003	0.2000	0.1362	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	3524	0.5000	0.0935	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	6169	1.0000	0.0821	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	12859	2.0000	0.0862	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	33568	5.0000	0.0891	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	80029	10.0000	0.1048	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	176829	20.0000	0.1134	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

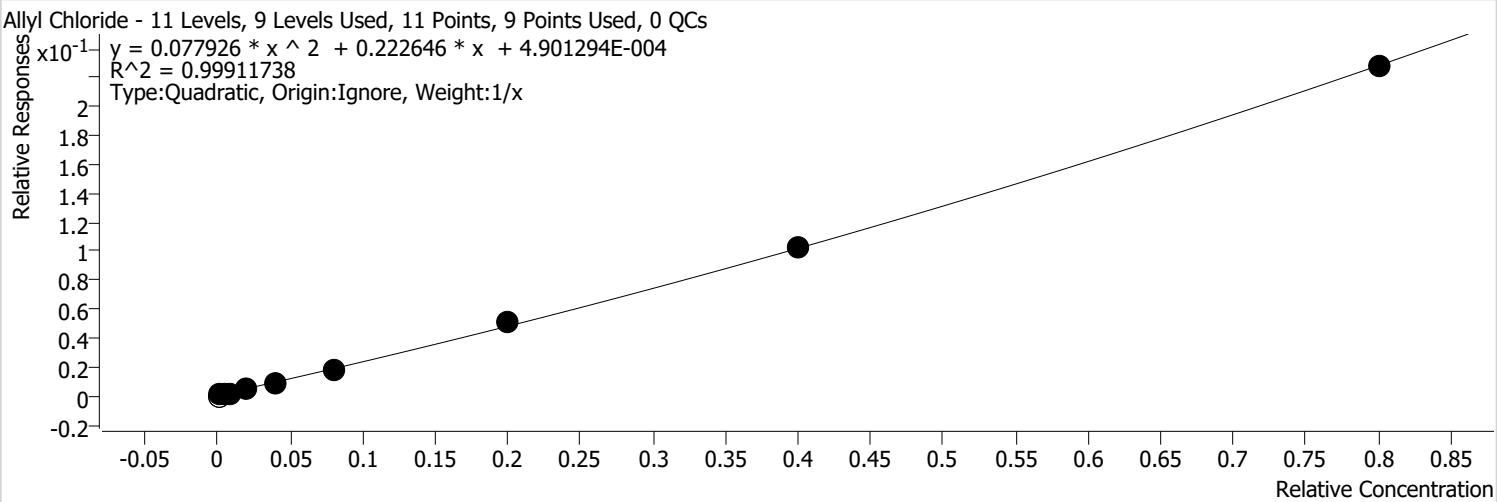
Carbon disulfide %RSE = 11.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	1289	0.0500	0.3444	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1965	0.1000	0.2594	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	4480	0.2000	0.3046	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	12510	0.5000	0.3319	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	21739	1.0000	0.2894	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	47193	2.0000	0.3163	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	128748	5.0000	0.3416	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	282482	10.0000	0.3699	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	614930	20.0000	0.3943	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

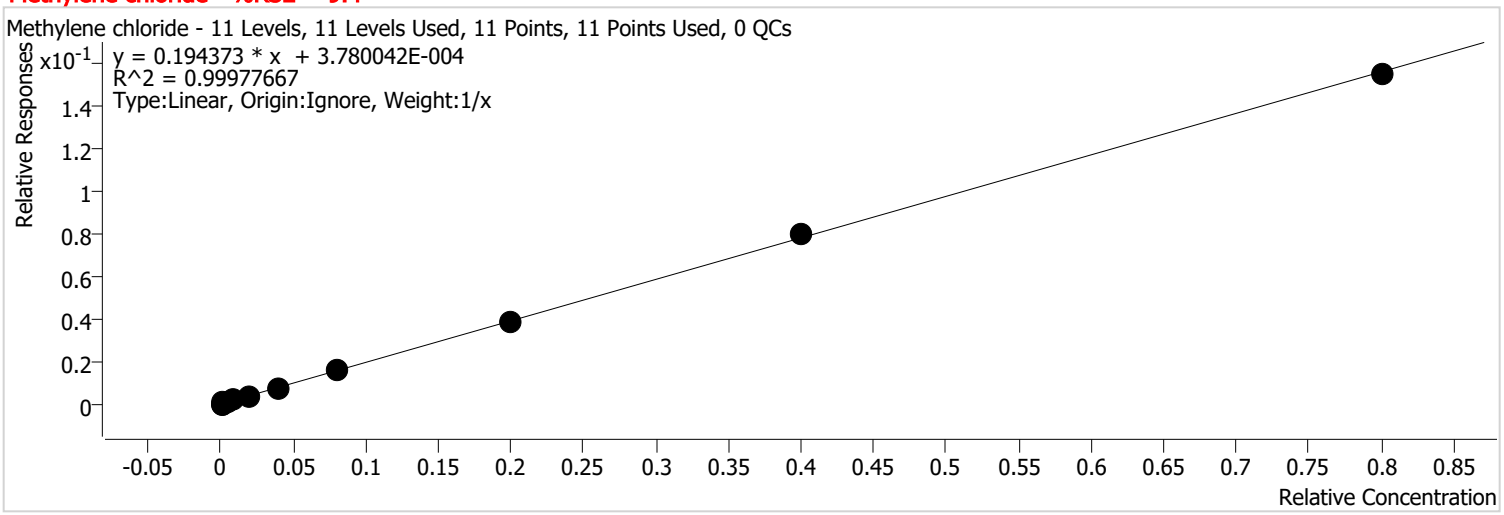
Allyl Chloride %RSE = 20.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		0	0.0050	0.0000	
D:\GC-27\DATA\021325\021320.D	Calibration	2		0	0.0100	0.0000	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	2115	0.0500	0.5651	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	2396	0.1000	0.3163	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	3862	0.2000	0.2626	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	8308	0.5000	0.2204	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	16185	1.0000	0.2154	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	34005	2.0000	0.2279	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	94875	5.0000	0.2517	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	196116	10.0000	0.2568	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	443848	20.0000	0.2846	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

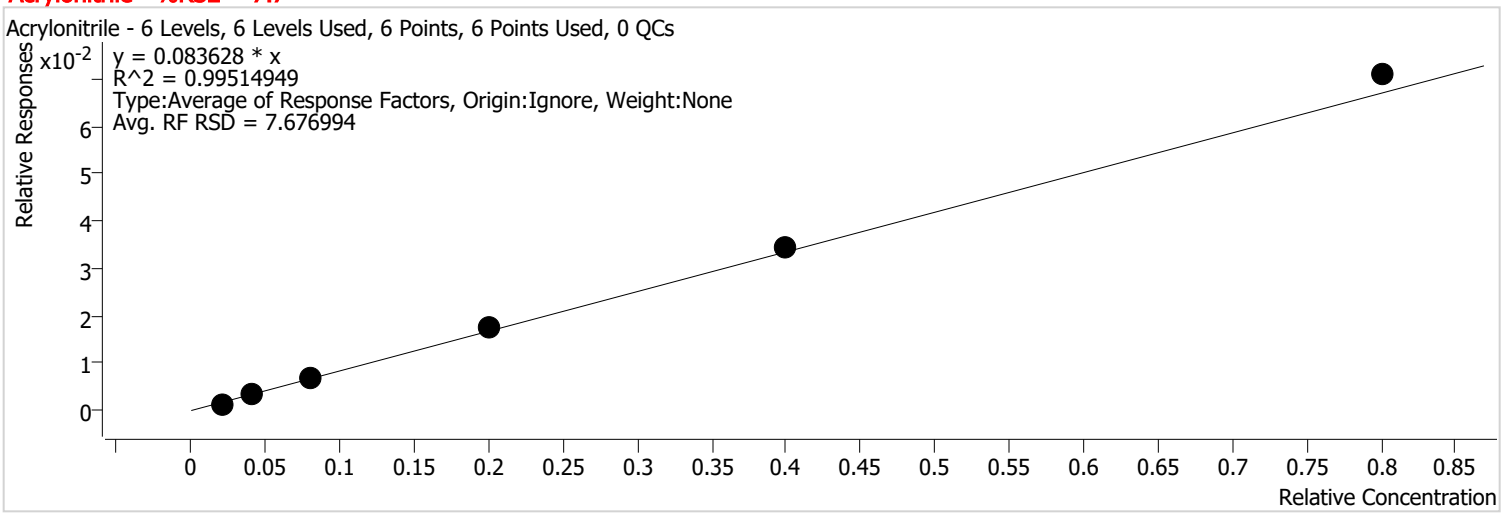
Methylene chloride %RSE = 9.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1	x	776	0.0050	2.1074	
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	807	0.0100	1.0960	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	1515	0.0500	0.4049	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	2168	0.1000	0.2861	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	3632	0.2000	0.2470	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	8047	0.5000	0.2135	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	14783	1.0000	0.1968	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	29919	2.0000	0.2005	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	73753	5.0000	0.1957	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	152188	10.0000	0.1993	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	301173	20.0000	0.1931	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

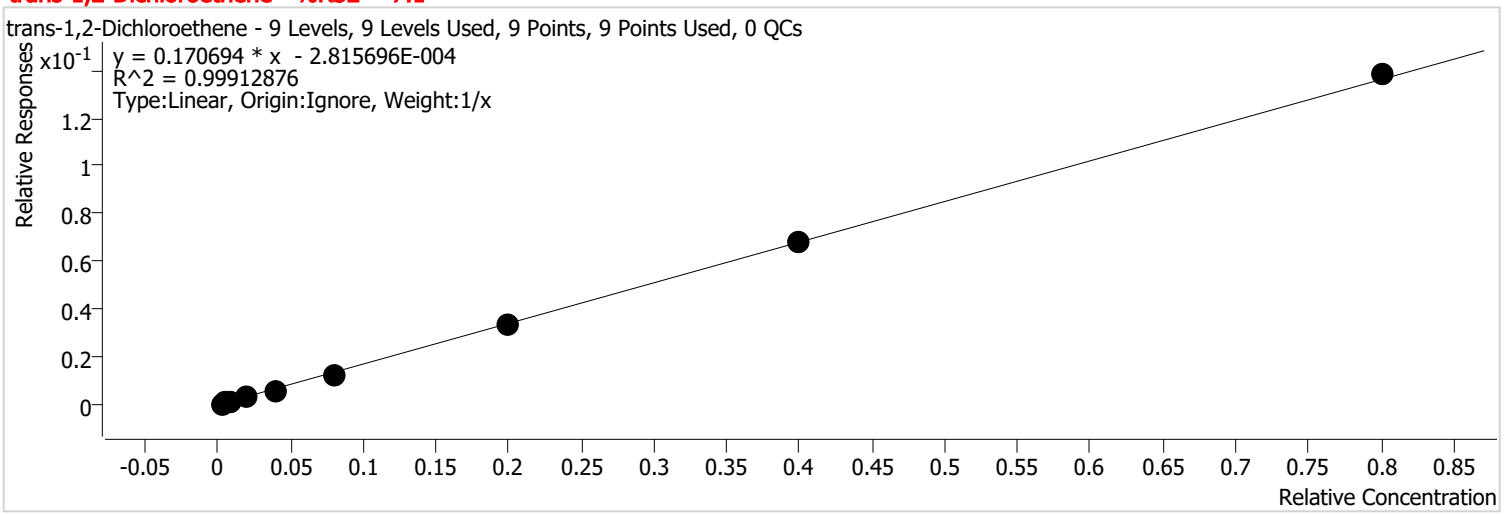
Acrylonitrile %RSE = 7.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	2684	0.5000	0.0712	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	6254	1.0000	0.0833	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	12567	2.0000	0.0842	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	33181	5.0000	0.0880	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	66088	10.0000	0.0865	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	137986	20.0000	0.0885	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

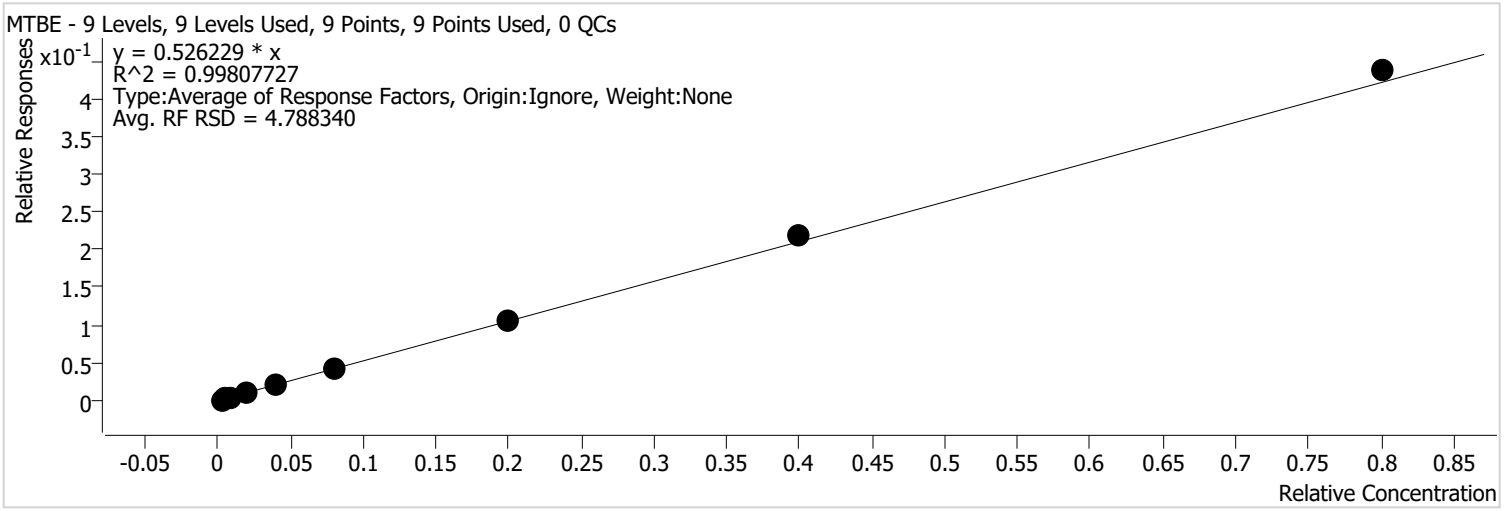
trans-1,2-Dichloroethene %RSE = 7.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	134	0.0500	0.0357	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	888	0.1000	0.1172	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	2068	0.2000	0.1406	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	6099	0.5000	0.1618	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	10537	1.0000	0.1403	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	23438	2.0000	0.1571	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	63181	5.0000	0.1676	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	129588	10.0000	0.1697	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	269472	20.0000	0.1728	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

MTBE %RSE = 4.8

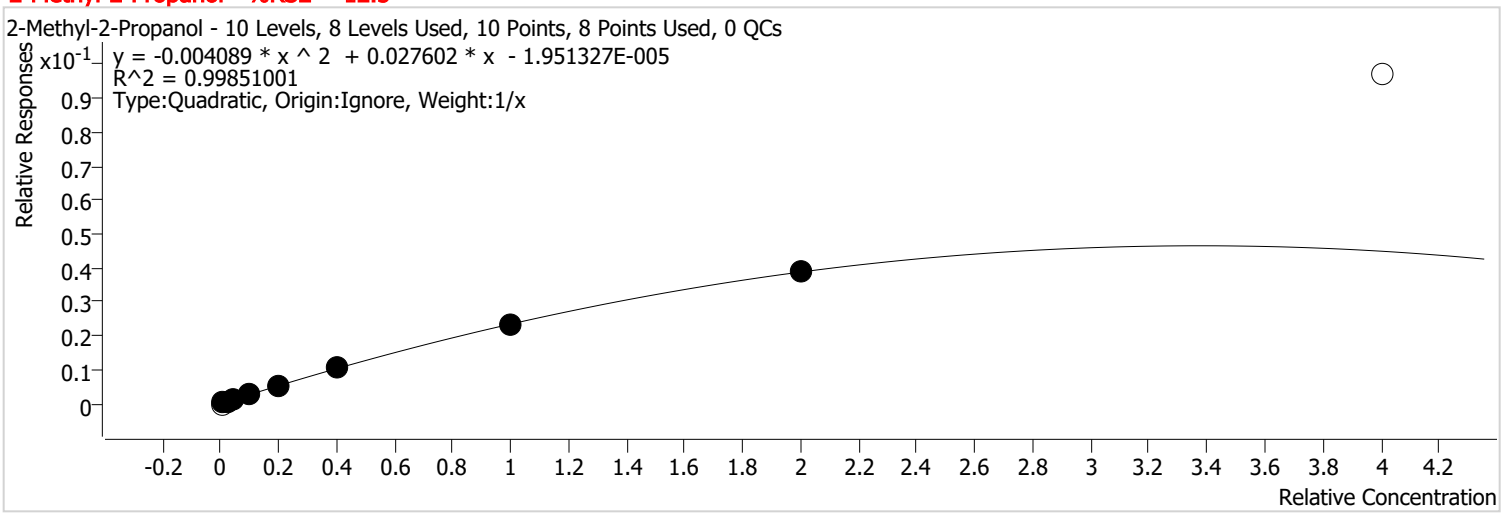


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	1881	0.0500	0.5026	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	3599	0.1000	0.4750	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	7907	0.2000	0.5377	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	20191	0.5000	0.5356	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	38211	1.0000	0.5086	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	81304	2.0000	0.5449	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	202220	5.0000	0.5366	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	419475	10.0000	0.5493	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	850905	20.0000	0.5456	

Calibration Report

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

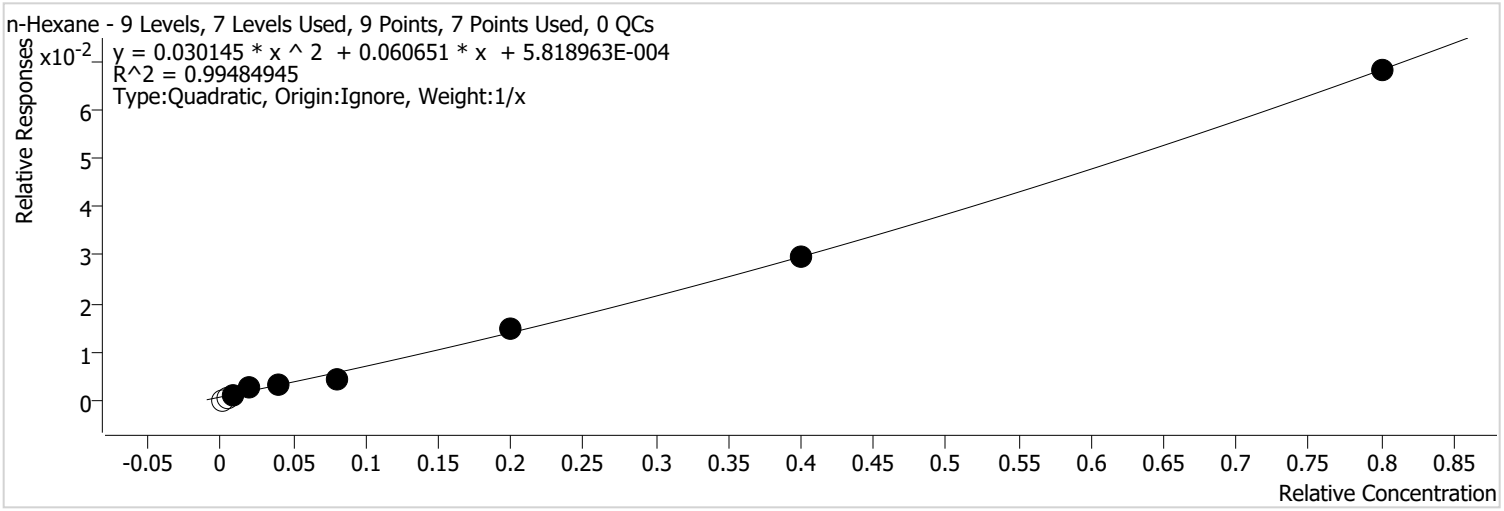
2-Methyl-2-Propanol %RSE = 12.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		0	0.0250	0.0000	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	529	0.2500	0.0283	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	782	0.5000	0.0206	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	2117	1.0000	0.0288	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	5658	2.5000	0.0300	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	9369	5.0000	0.0249	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	19373	10.0000	0.0260	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	44378	25.0000	0.0235	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	74098	50.0000	0.0194	
D:\GC-27\DATA\021325\021329.D	Calibration	11		188937	100.0000	0.0242	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

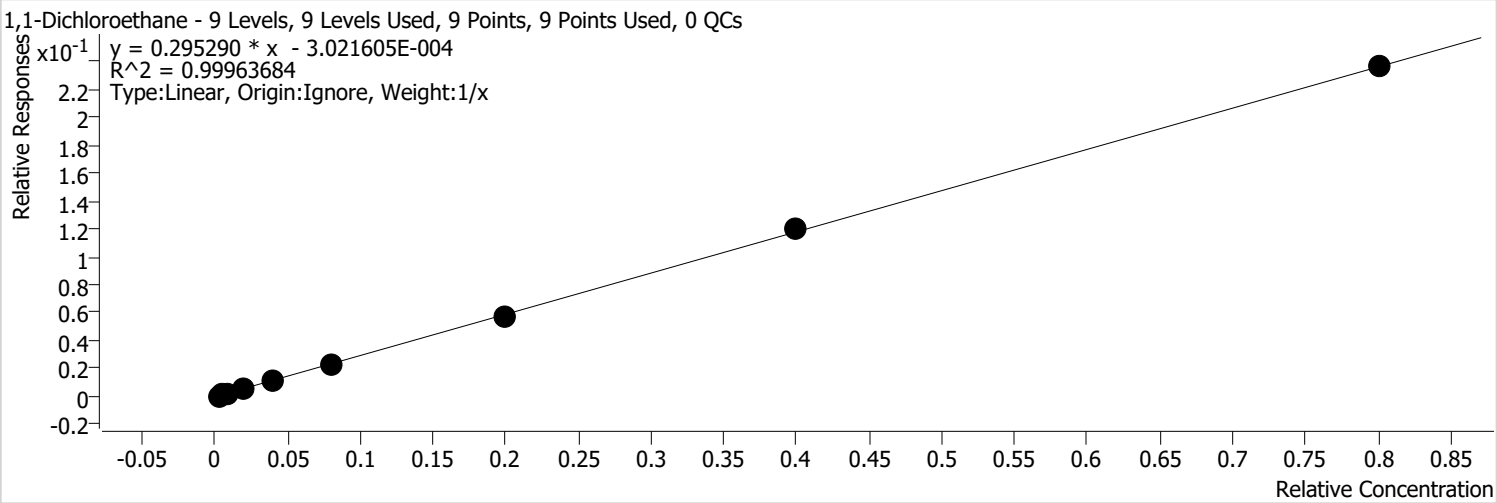
n-Hexane %RSE = 32.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		0	0.0050	0.0000	
D:\GC-27\DATA\021325\021322.D	Calibration	4		608	0.1000	0.0802	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	1666	0.2000	0.1133	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	4600	0.5000	0.1220	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	5721	1.0000	0.0761	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	8293	2.0000	0.0556	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	27450	5.0000	0.0728	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	57121	10.0000	0.0748	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	132967	20.0000	0.0853	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

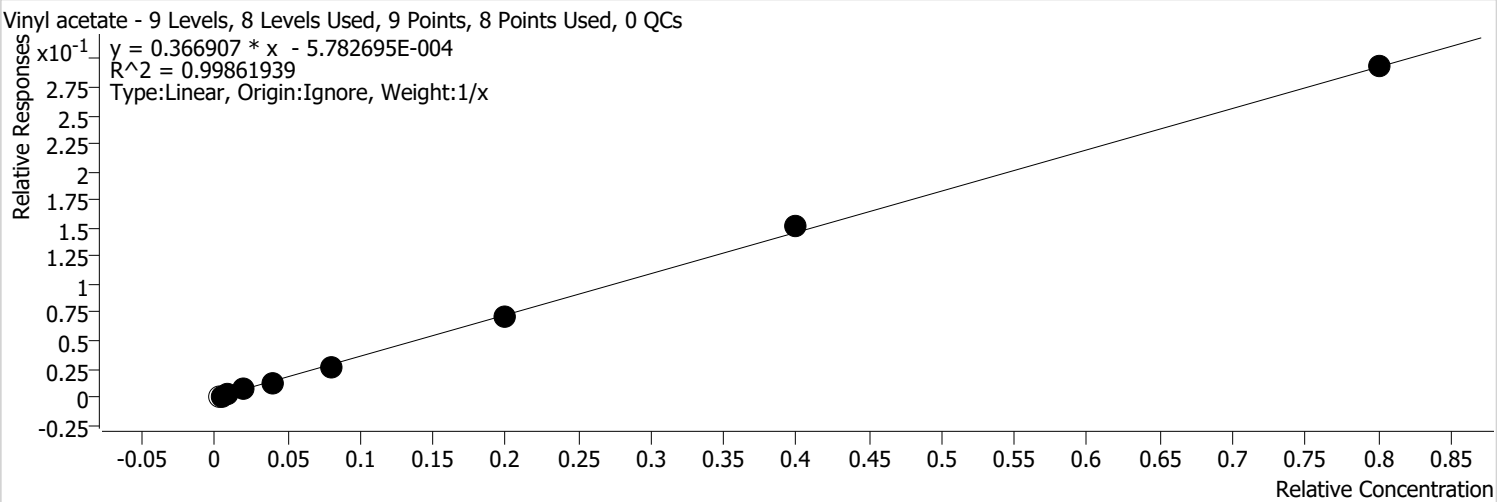
1,1-Dichloroethane %RSE = 5.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	669	0.0500	0.1789	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1764	0.1000	0.2328	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	3534	0.2000	0.2403	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	10346	0.5000	0.2745	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	20334	1.0000	0.2707	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	42192	2.0000	0.2828	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	108647	5.0000	0.2883	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	229836	10.0000	0.3010	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	459972	20.0000	0.2949	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

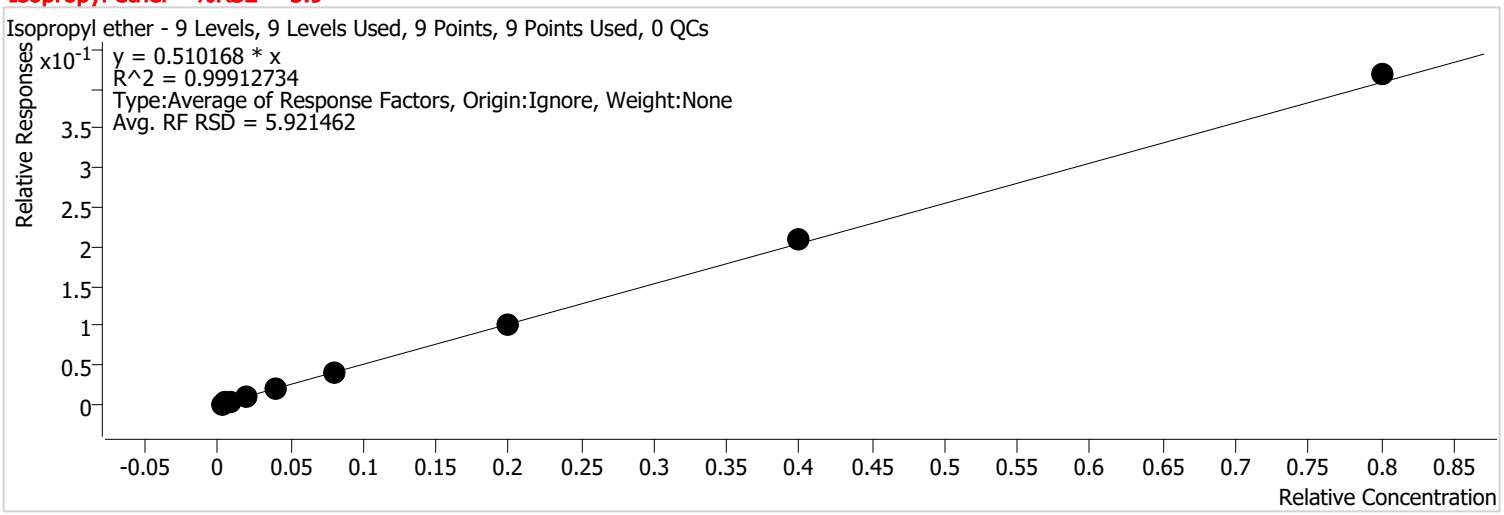
Vinyl acetate %RSE = 7.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3		1700	0.0500	0.4543	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1783	0.1000	0.2354	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	4933	0.2000	0.3354	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	13172	0.5000	0.3495	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	23787	1.0000	0.3166	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	49126	2.0000	0.3293	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	131982	5.0000	0.3502	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	290087	10.0000	0.3799	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	571551	20.0000	0.3665	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

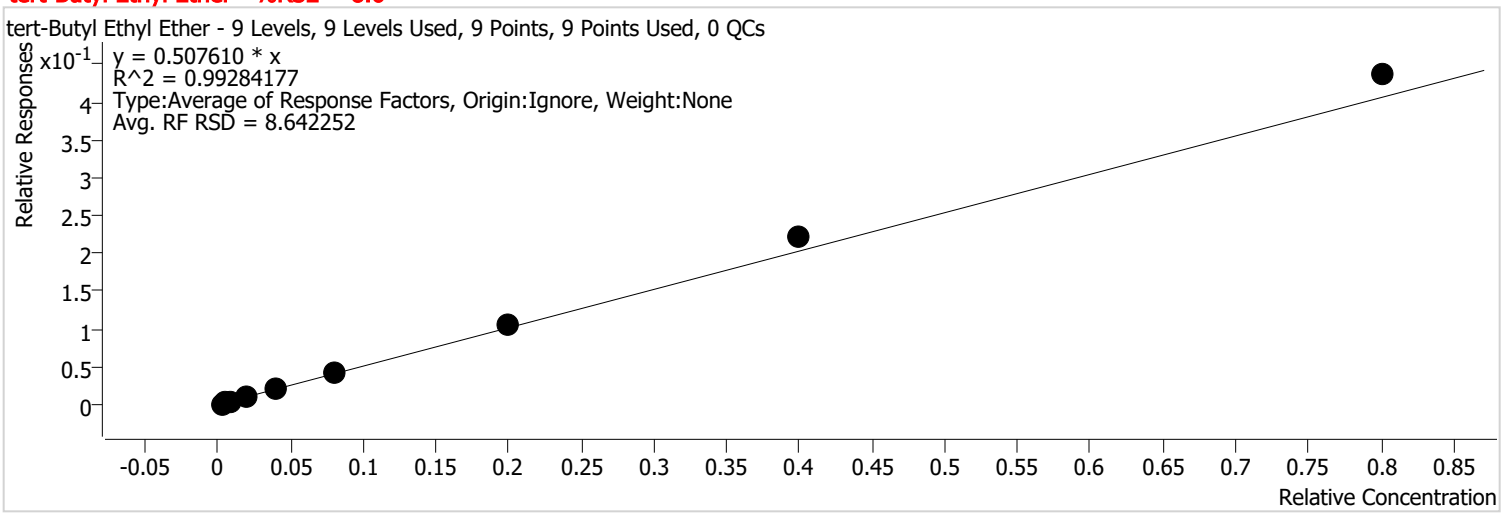
Isopropyl ether %RSE = 5.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	1625	0.0500	0.4343	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	3997	0.1000	0.5275	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	7653	0.2000	0.5204	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	20102	0.5000	0.5333	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	37429	1.0000	0.4982	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	77054	2.0000	0.5165	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	193177	5.0000	0.5126	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	401933	10.0000	0.5264	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	814674	20.0000	0.5224	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

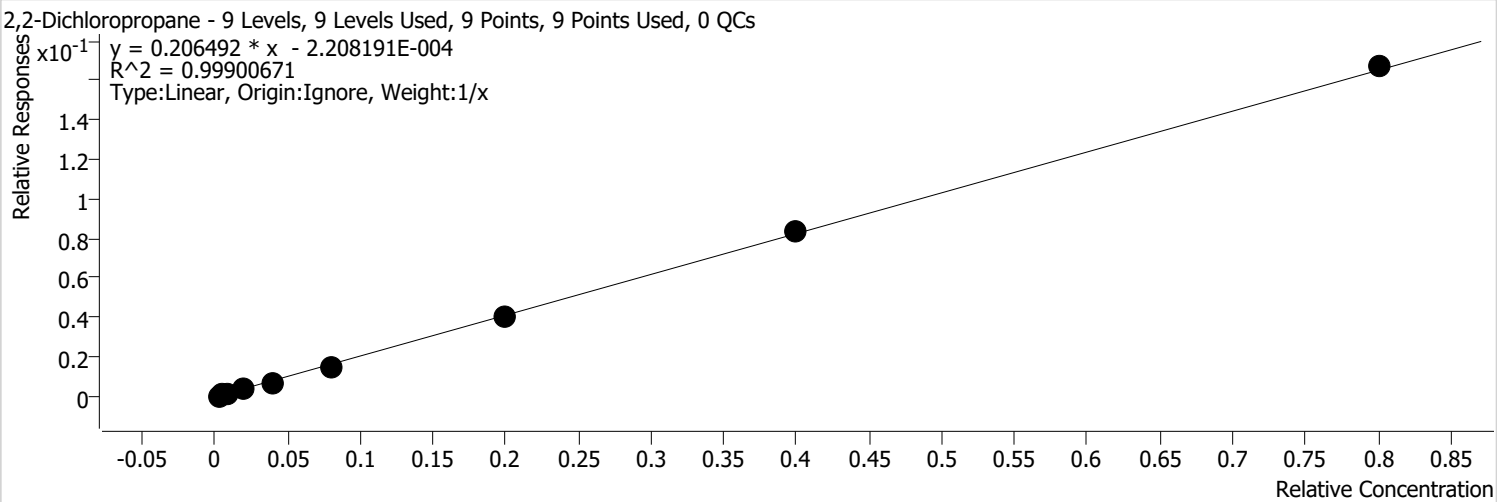
tert-Butyl Ethyl Ether %RSE = 8.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	1563	0.0500	0.4177	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	3510	0.1000	0.4633	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	7272	0.2000	0.4945	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	19095	0.5000	0.5066	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	38835	1.0000	0.5169	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	81007	2.0000	0.5430	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	199646	5.0000	0.5297	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	421212	10.0000	0.5516	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	850244	20.0000	0.5452	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

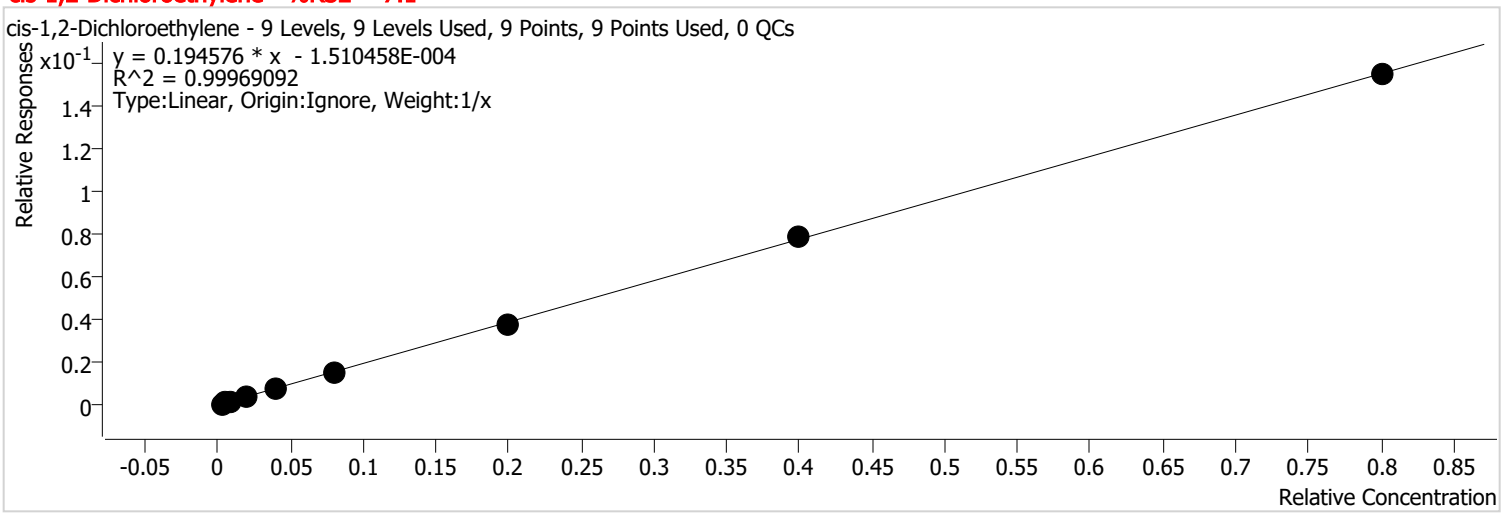
2,2-Dichloropropane %RSE = 9.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	522	0.0500	0.1395	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1102	0.1000	0.1454	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	2567	0.2000	0.1745	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	7613	0.5000	0.2020	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	13245	1.0000	0.1763	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	28094	2.0000	0.1883	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	75420	5.0000	0.2001	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	159851	10.0000	0.2093	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	325020	20.0000	0.2084	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

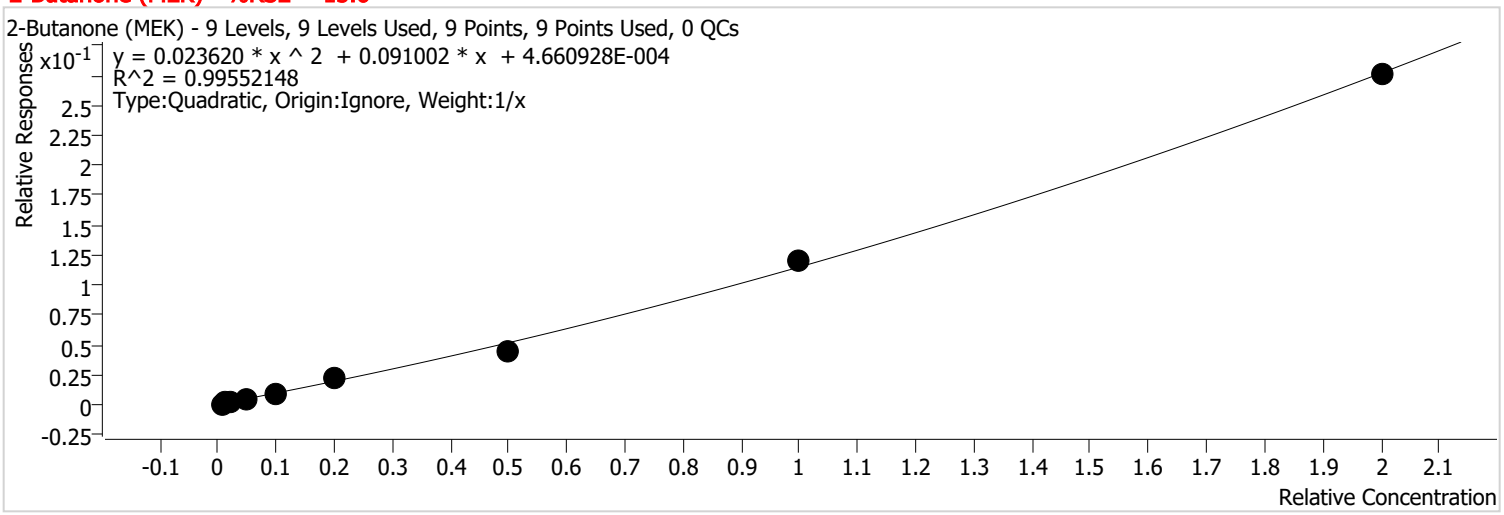
cis-1,2-Dichloroethylene %RSE = 7.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	564	0.0500	0.1508	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1095	0.1000	0.1445	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	2472	0.2000	0.1681	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	6980	0.5000	0.1852	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	13565	1.0000	0.1806	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	28739	2.0000	0.1926	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	71826	5.0000	0.1906	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	151565	10.0000	0.1985	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	302037	20.0000	0.1937	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

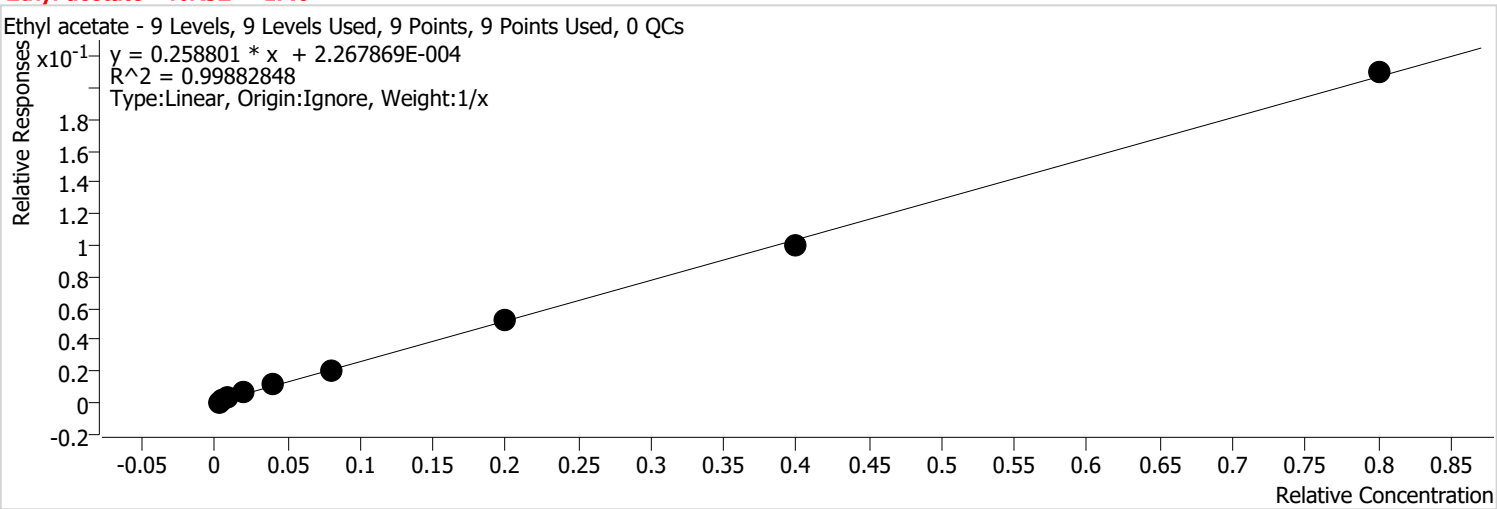
2-Butanone (MEK) %RSE = 15.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	1515	0.1250	0.1619	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	2819	0.2500	0.1488	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	4473	0.5000	0.1217	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	9931	1.2500	0.1054	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	17016	2.5000	0.0906	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	43655	5.0000	0.1170	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	82177	12.5000	0.0872	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	231773	25.0000	0.1214	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	537060	50.0000	0.1378	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

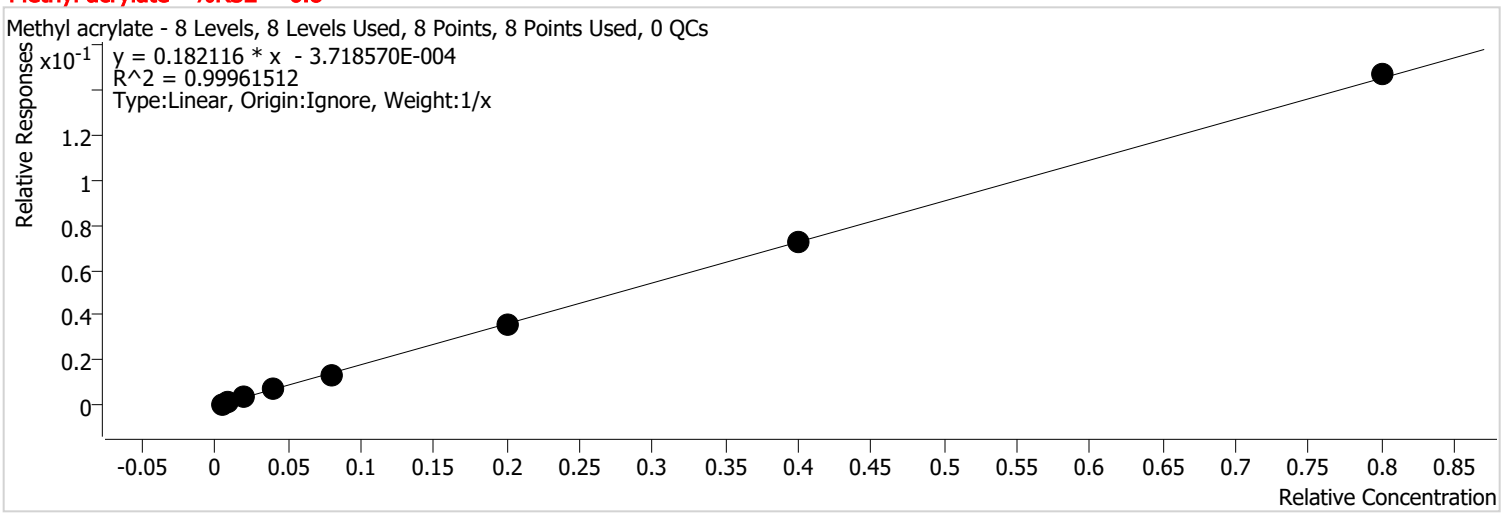
Ethyl acetate %RSE = 17.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	1008	0.0500	0.2694	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	2548	0.1000	0.3363	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	4907	0.2000	0.3337	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	11311	0.5000	0.3001	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	21079	1.0000	0.2806	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	38256	2.0000	0.2564	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	98319	5.0000	0.2609	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	190761	10.0000	0.2498	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	409026	20.0000	0.2623	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

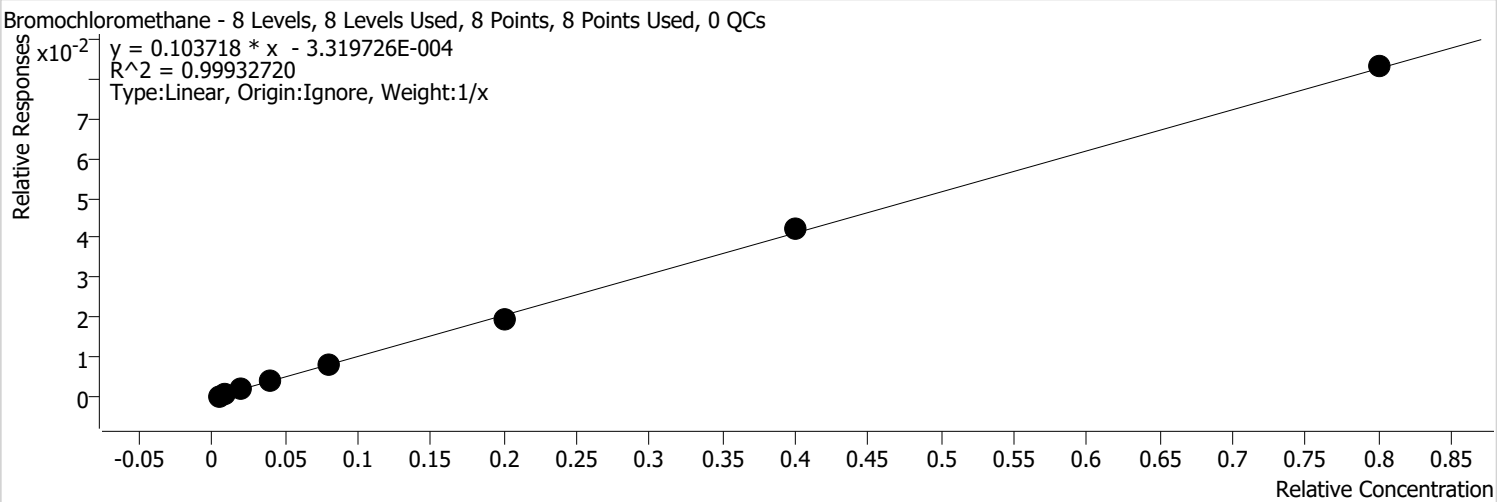
Methyl acrylate %RSE = 6.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	851	0.1000	0.1123	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	1782	0.2000	0.1212	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	6436	0.5000	0.1707	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	12580	1.0000	0.1675	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	25192	2.0000	0.1689	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	66472	5.0000	0.1764	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	138309	10.0000	0.1811	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	286369	20.0000	0.1836	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

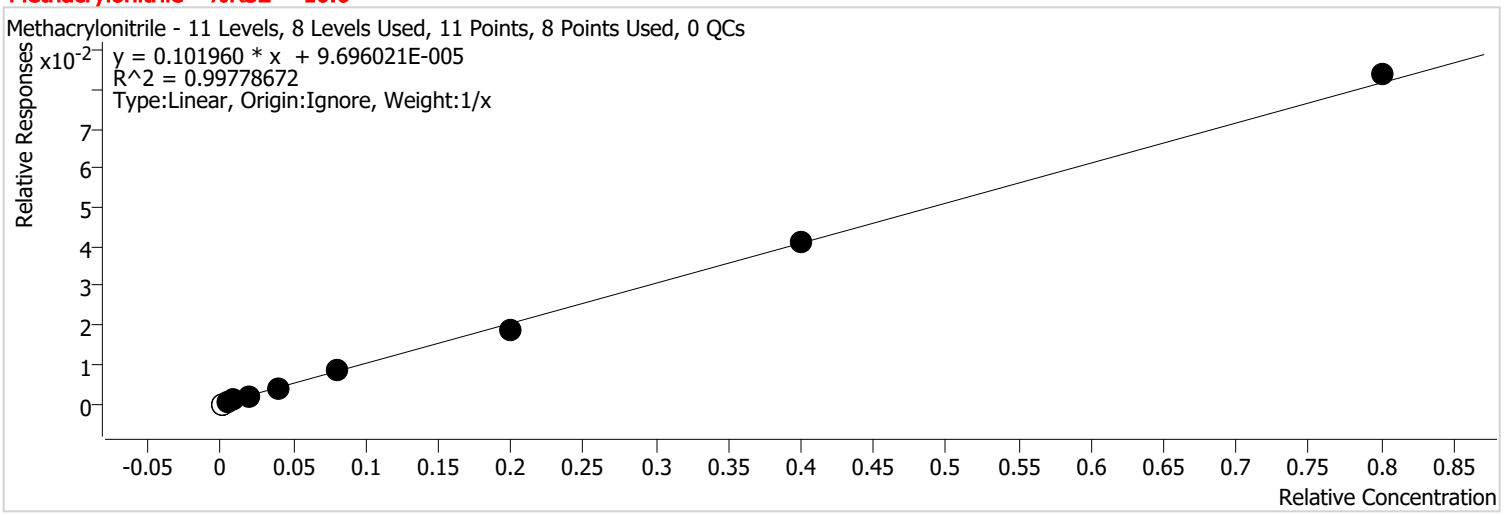
Bromochloromethane %RSE = 4.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	220	0.1000	0.0291	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	877	0.2000	0.0596	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	3364	0.5000	0.0892	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	6950	1.0000	0.0925	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	14554	2.0000	0.0975	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	36271	5.0000	0.0962	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	80323	10.0000	0.1052	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	162009	20.0000	0.1039	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

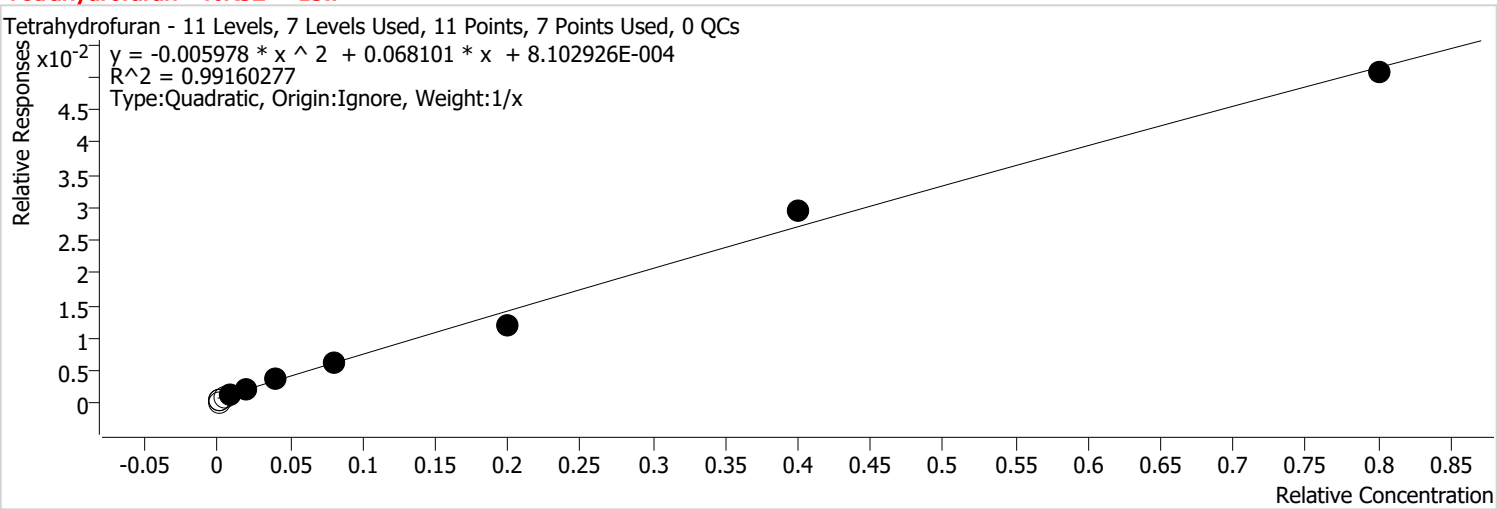
Methacrylonitrile %RSE = 10.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		0	0.0050	0.0000	
D:\GC-27\DATA\021325\021320.D	Calibration	2		0	0.0100	0.0000	
D:\GC-27\DATA\021325\021321.D	Calibration	3		0	0.0500	0.0000	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1024	0.1000	0.1351	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	1915	0.2000	0.1302	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	3503	0.5000	0.0929	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	7281	1.0000	0.0969	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	15874	2.0000	0.1064	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	35037	5.0000	0.0930	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	78002	10.0000	0.1022	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	163231	20.0000	0.1047	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

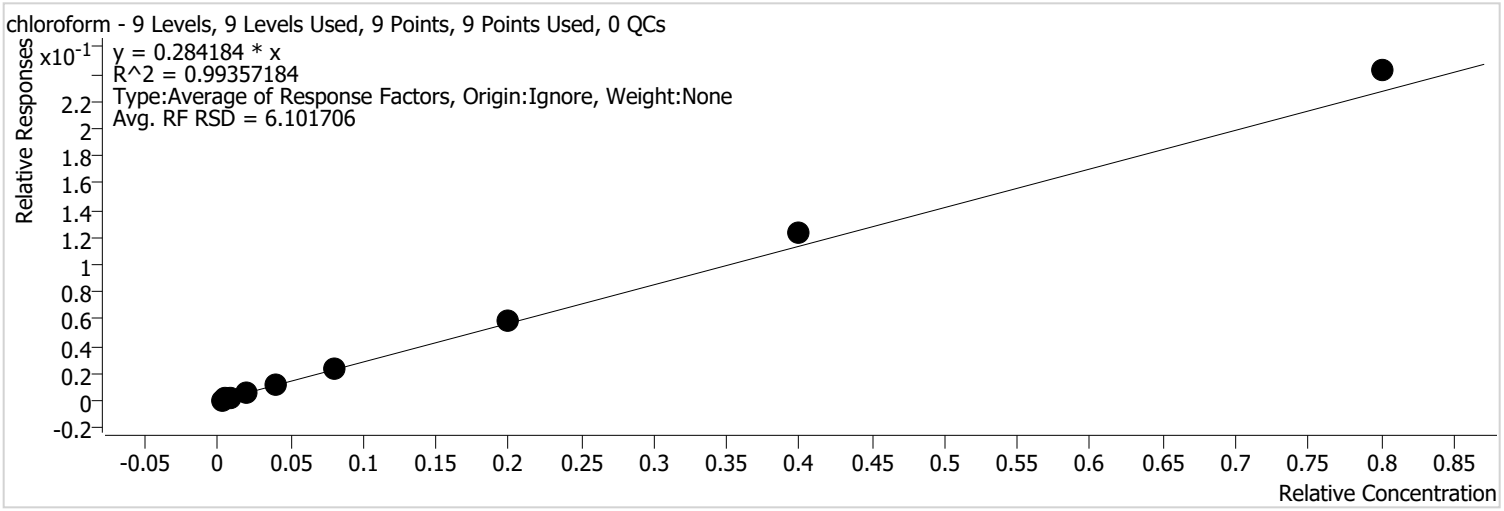
Tetrahydrofuran %RSE = 13.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		1000	0.0050	2.7144	
D:\GC-27\DATA\021325\021320.D	Calibration	2		520	0.0100	0.7068	
D:\GC-27\DATA\021325\021321.D	Calibration	3		1215	0.0500	0.3245	
D:\GC-27\DATA\021325\021322.D	Calibration	4		1595	0.1000	0.2106	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	2380	0.2000	0.1618	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	4249	0.5000	0.1127	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	7348	1.0000	0.0978	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	11429	2.0000	0.0766	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	22637	5.0000	0.0601	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	56783	10.0000	0.0744	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	98779	20.0000	0.0633	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

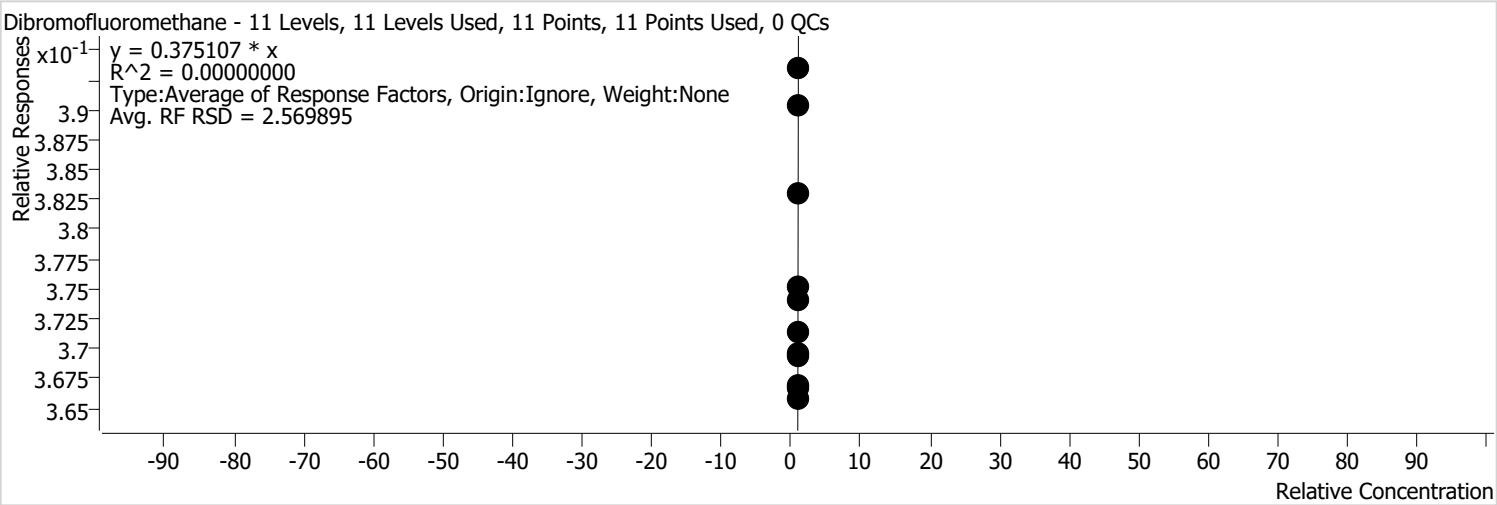
chloroform %RSE = 6.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	1076	0.0500	0.2874	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1991	0.1000	0.2628	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	3820	0.2000	0.2598	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	10764	0.5000	0.2856	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	20356	1.0000	0.2710	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	42132	2.0000	0.2824	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	111311	5.0000	0.2953	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	236789	10.0000	0.3101	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	473040	20.0000	0.3033	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

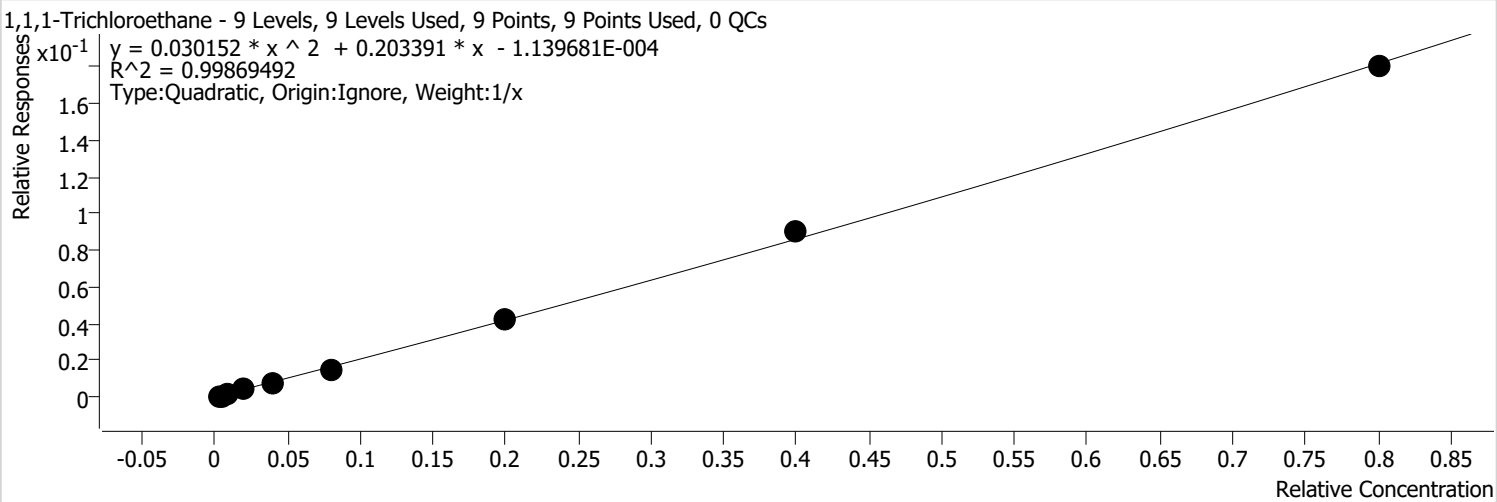
Dibromofluoromethane %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	766962	25.0000	0.3934	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	745092	25.0000	0.3903	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	721919	25.0000	0.3831	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	699592	25.0000	0.3751	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	702660	25.0000	0.3741	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	700140	25.0000	0.3715	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	674162	25.0000	0.3668	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	700255	25.0000	0.3697	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	684683	25.0000	0.3659	
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	675132	25.0000	0.3669	
D:\GC-27\DATA\021325\021319.D	Calibration	1	x	679953	25.0000	0.3693	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

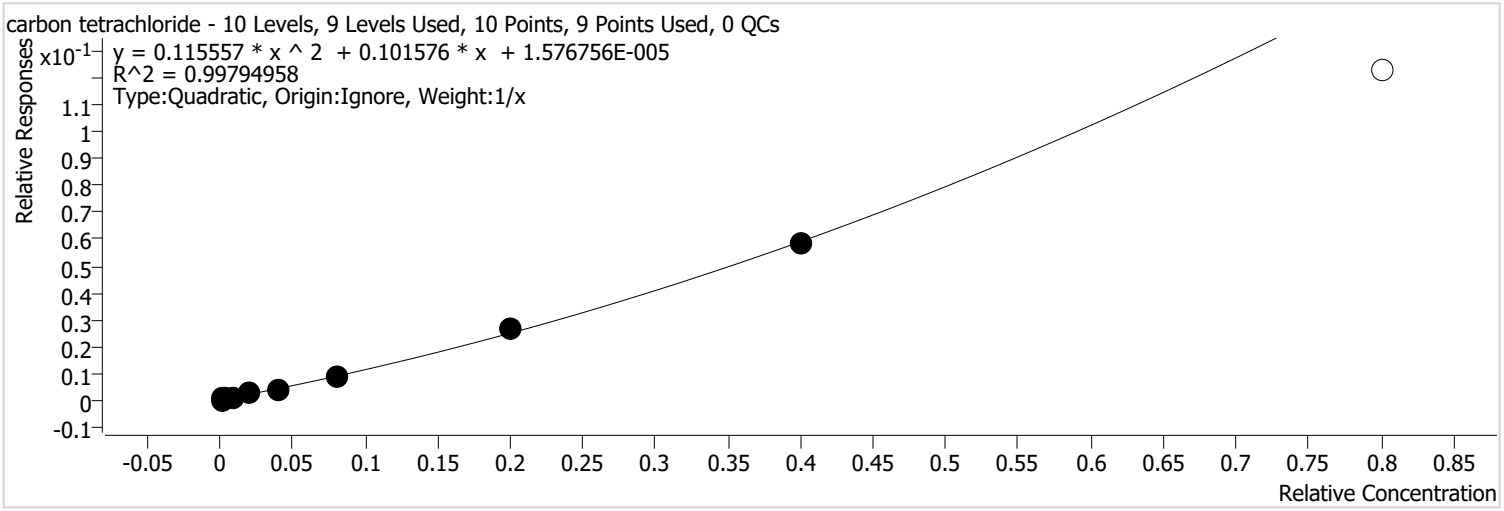
1,1,1-Trichloroethane %RSE = 14.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	779	0.0500	0.2081	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1232	0.1000	0.1626	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	2454	0.2000	0.1669	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	7680	0.5000	0.2037	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	13198	1.0000	0.1757	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	28309	2.0000	0.1897	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	79339	5.0000	0.2105	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	171148	10.0000	0.2241	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	351255	20.0000	0.2252	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

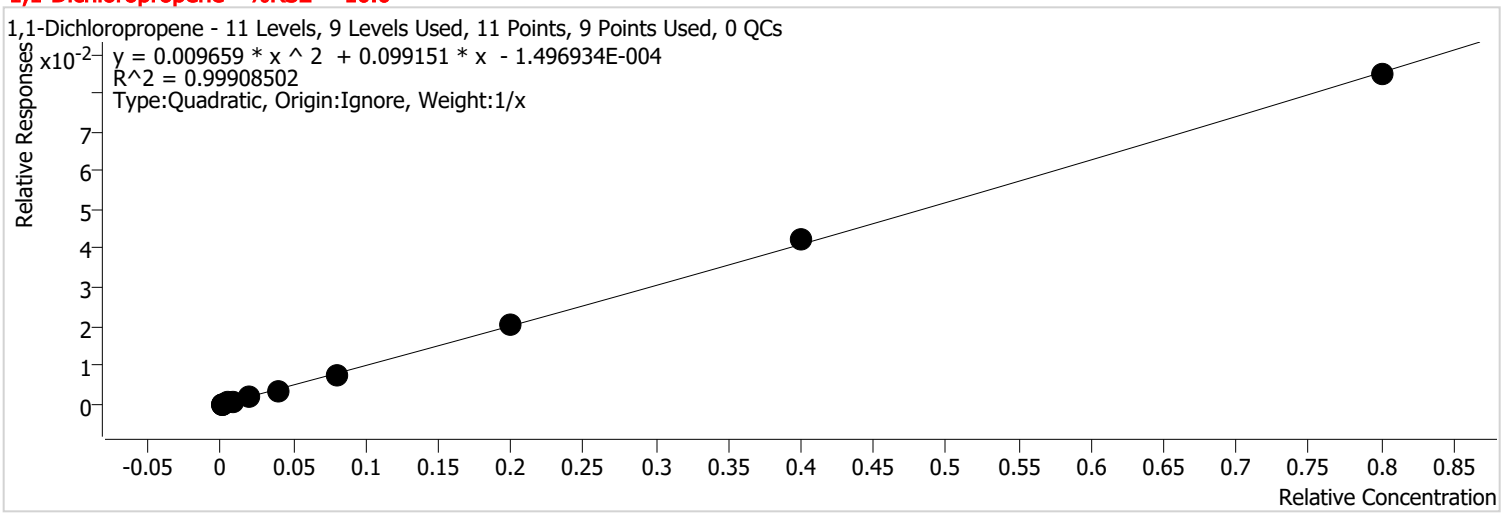
carbon tetrachloride %RSE = 14.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	110	0.0100	0.1499	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	490	0.0500	0.1309	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	768	0.1000	0.1014	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	1207	0.2000	0.0821	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	4298	0.5000	0.1140	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	6894	1.0000	0.0918	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	16079	2.0000	0.1078	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	49705	5.0000	0.1319	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	111731	10.0000	0.1463	
D:\GC-27\DATA\021325\021329.D	Calibration	11		239576	20.0000	0.1536	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

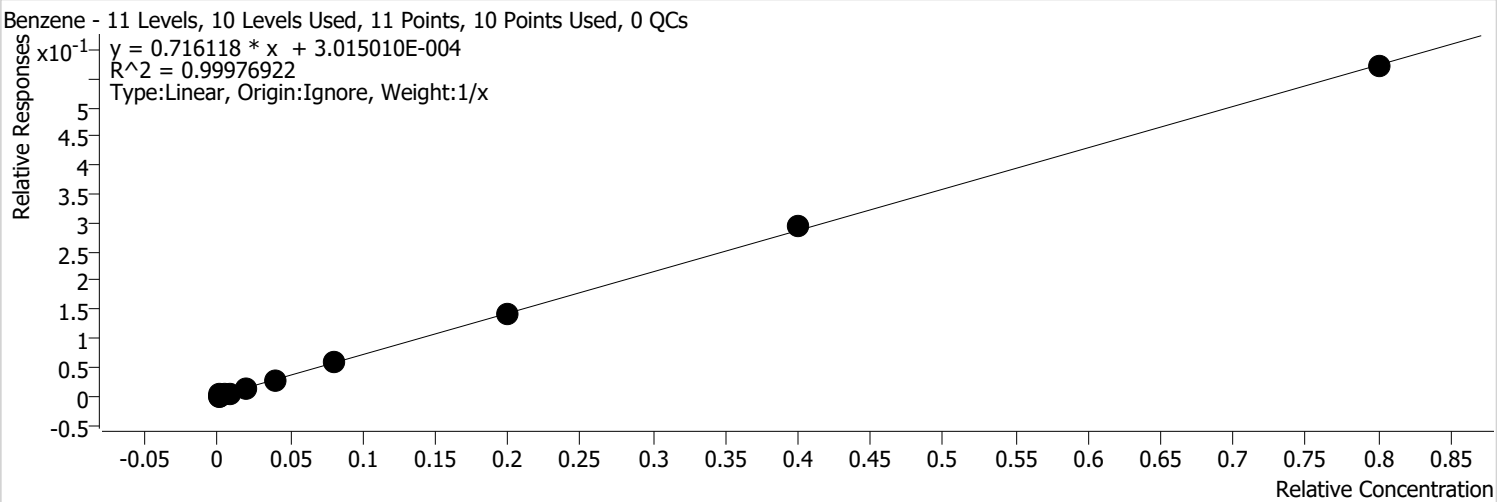
1,1-Dichloropropene %RSE = 10.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		0	0.0050	0.0000	
D:\GC-27\DATA\021325\021320.D	Calibration	2		0	0.0100	0.0000	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	157	0.0500	0.0419	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	459	0.1000	0.0606	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	1065	0.2000	0.0724	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	3690	0.5000	0.0979	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	6279	1.0000	0.0836	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	13814	2.0000	0.0926	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	38194	5.0000	0.1013	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	80750	10.0000	0.1058	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	165203	20.0000	0.1059	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

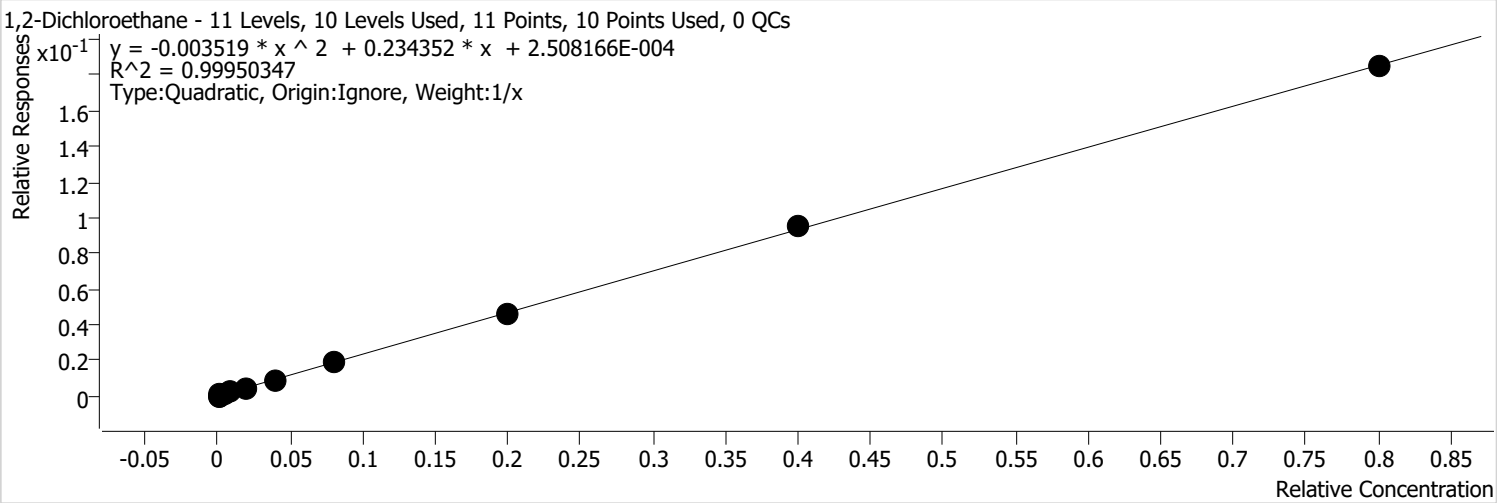
Benzene %RSE = 3.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		1204	0.0050	3.2688	
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	1100	0.0100	1.4952	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	3428	0.0500	0.9159	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	5881	0.1000	0.7762	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	10811	0.2000	0.7352	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	27426	0.5000	0.7276	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	51514	1.0000	0.6857	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	106564	2.0000	0.7142	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	268605	5.0000	0.7127	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	559168	10.0000	0.7323	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	1111460	20.0000	0.7127	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:37 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

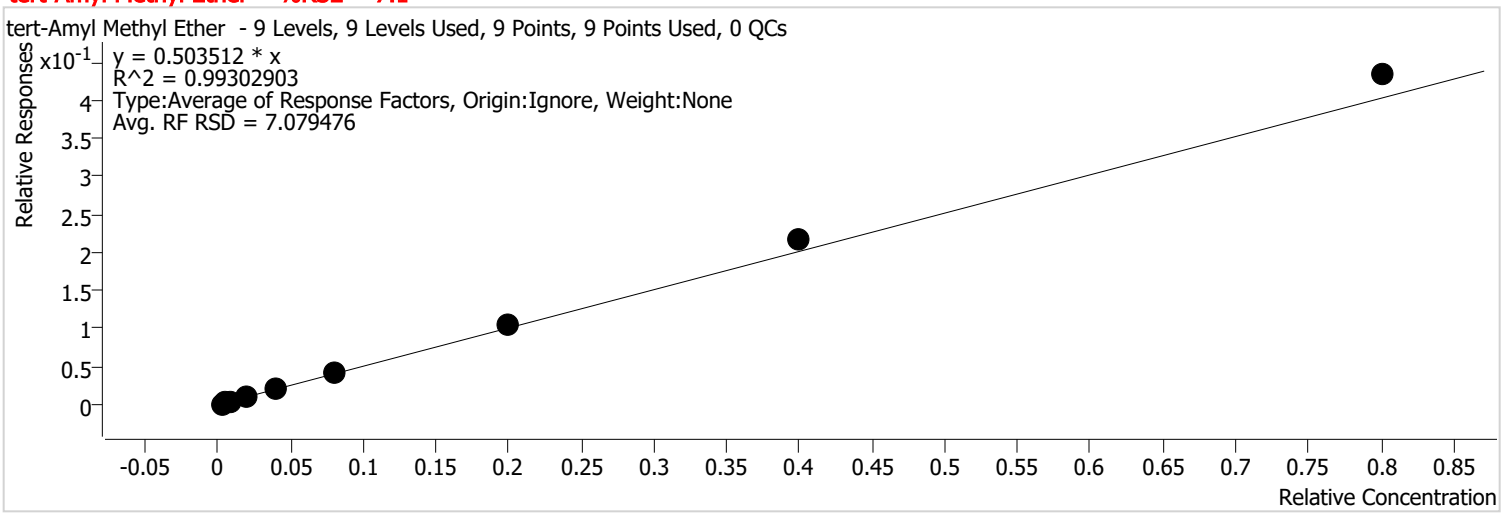
1,2-Dichloroethane %RSE = 17.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		586	0.0050	1.5911	
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	601	0.0100	0.8167	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	1701	0.0500	0.4544	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	2014	0.1000	0.2658	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	3957	0.2000	0.2691	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	8957	0.5000	0.2376	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	17130	1.0000	0.2280	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	34877	2.0000	0.2338	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	88300	5.0000	0.2343	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	181863	10.0000	0.2382	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	359951	20.0000	0.2308	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:38 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

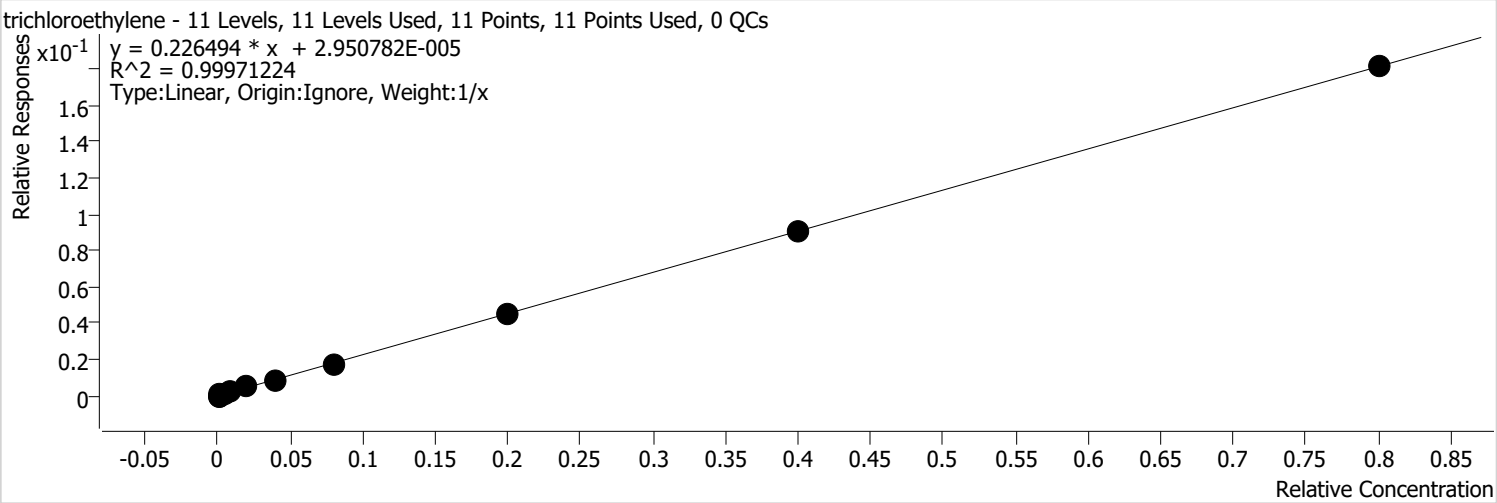
tert-Amyl Methyl Ether %RSE = 7.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	1628	0.0500	0.4349	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	3761	0.1000	0.4964	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	6806	0.2000	0.4628	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	19358	0.5000	0.5135	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	37284	1.0000	0.4963	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	77588	2.0000	0.5200	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	197679	5.0000	0.5245	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	413175	10.0000	0.5411	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	845189	20.0000	0.5420	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:38 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

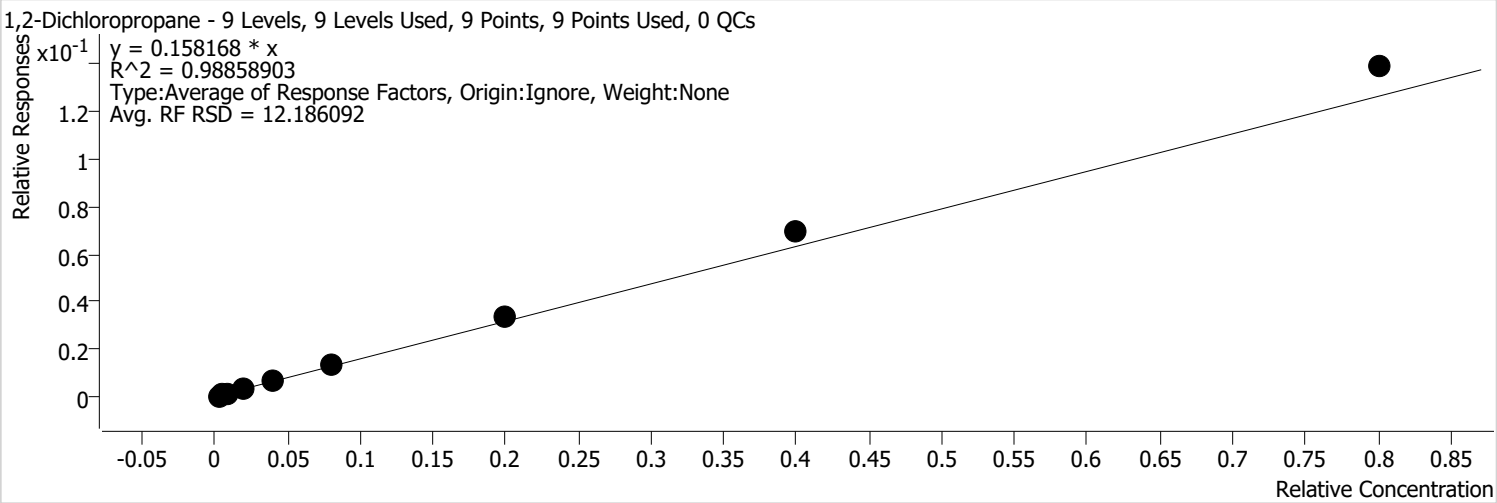
trichloroethylene %RSE = 14.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1	x	113	0.0050	0.3071	
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	198	0.0100	0.2689	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	1132	0.0500	0.3026	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1831	0.1000	0.2417	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	3619	0.2000	0.2461	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	9329	0.5000	0.2475	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	17103	1.0000	0.2277	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	33167	2.0000	0.2223	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	84258	5.0000	0.2236	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	173827	10.0000	0.2276	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	353058	20.0000	0.2264	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:38 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

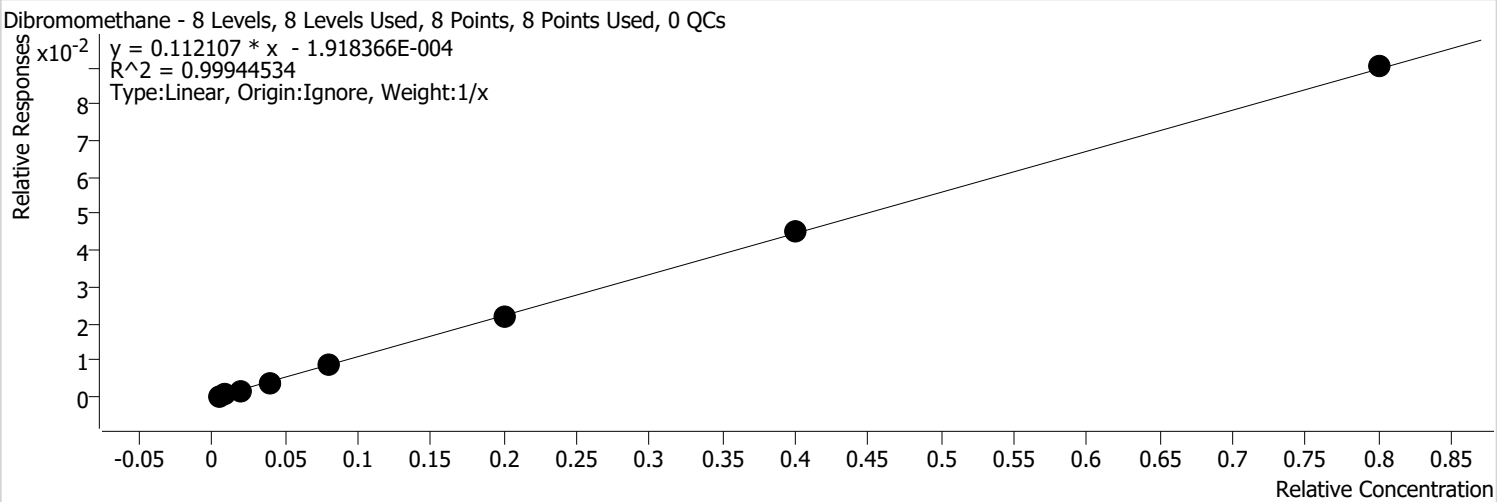
1,2-Dichloropropane %RSE = 12.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	416	0.0500	0.1113	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1227	0.1000	0.1619	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	2209	0.2000	0.1502	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	5984	0.5000	0.1588	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	11813	1.0000	0.1573	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	25027	2.0000	0.1677	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	63466	5.0000	0.1684	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	133030	10.0000	0.1742	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	270919	20.0000	0.1737	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:38 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

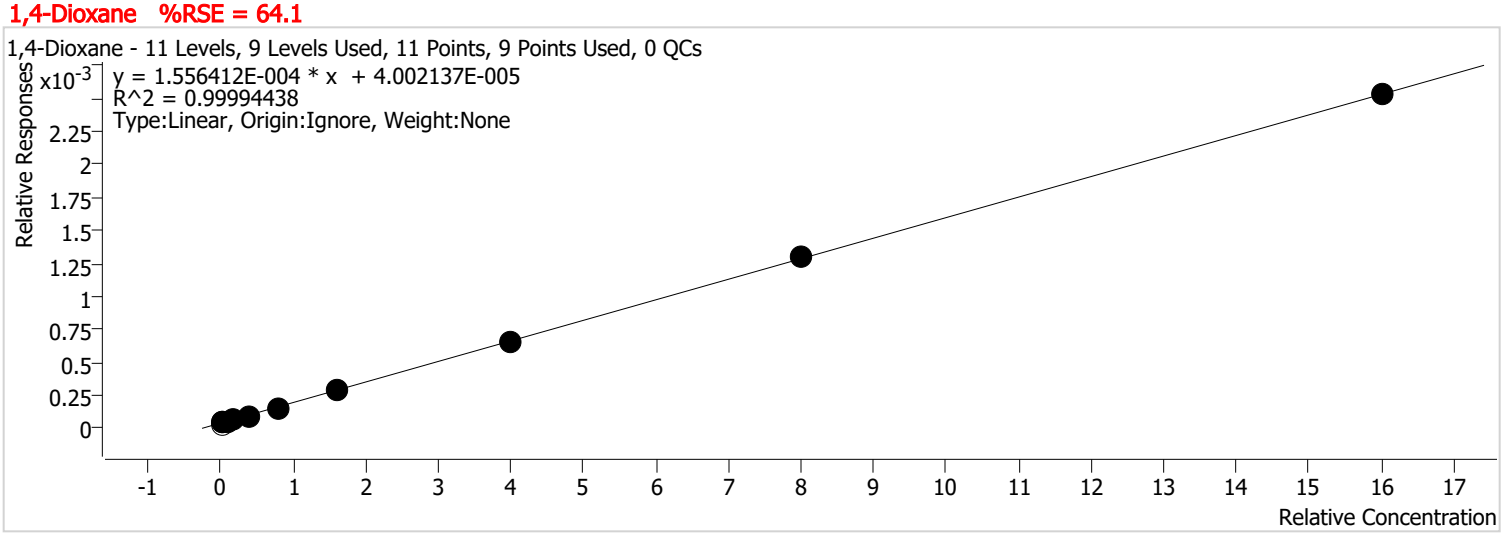
Dibromomethane %RSE = 9.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	655	0.1000	0.0864	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	1253	0.2000	0.0852	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	3619	0.5000	0.0960	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	7192	1.0000	0.0957	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	16208	2.0000	0.1086	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	41184	5.0000	0.1093	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	85912	10.0000	0.1125	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	175696	20.0000	0.1127	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:38 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

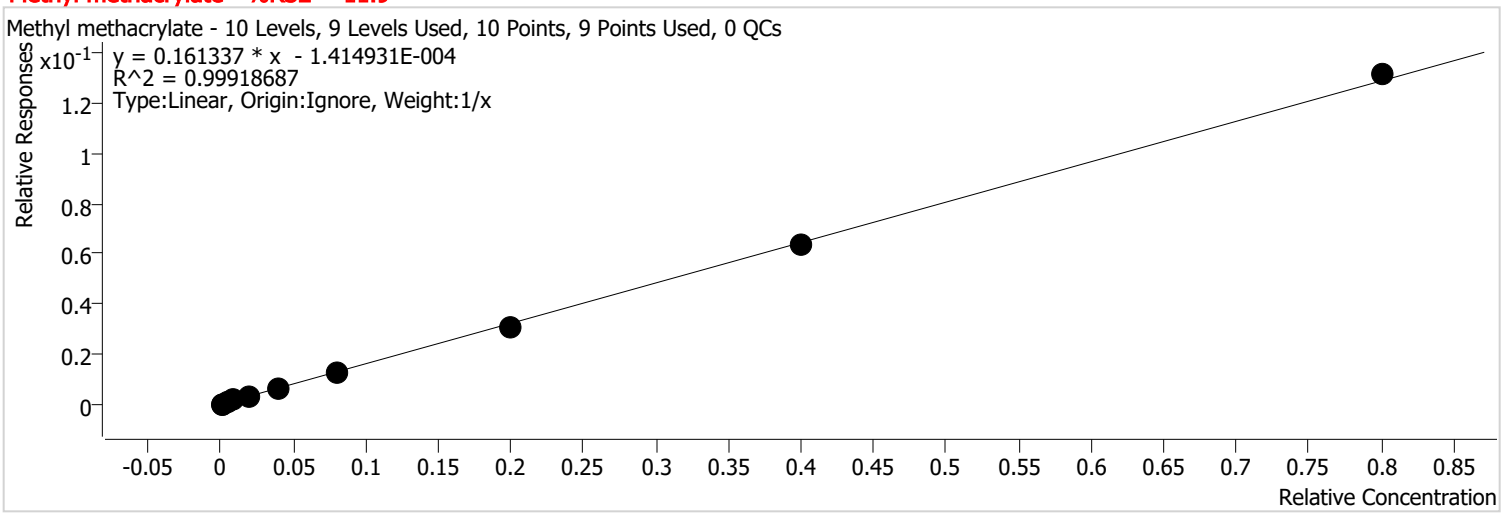
1,4-Dioxane %RSE = 64.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		82	0.1000	0.0111	
D:\GC-27\DATA\021325\021320.D	Calibration	2		64	0.2000	0.0043	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	106	1.0000	0.0014	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	95	2.0000	0.0006	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	119	4.0000	0.0004	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	186	10.0000	0.0002	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	297	20.0000	0.0002	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	540	40.0000	0.0002	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	1238	100.0000	0.0002	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	2472	200.0000	0.0002	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	4926	400.0000	0.0002	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:38 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

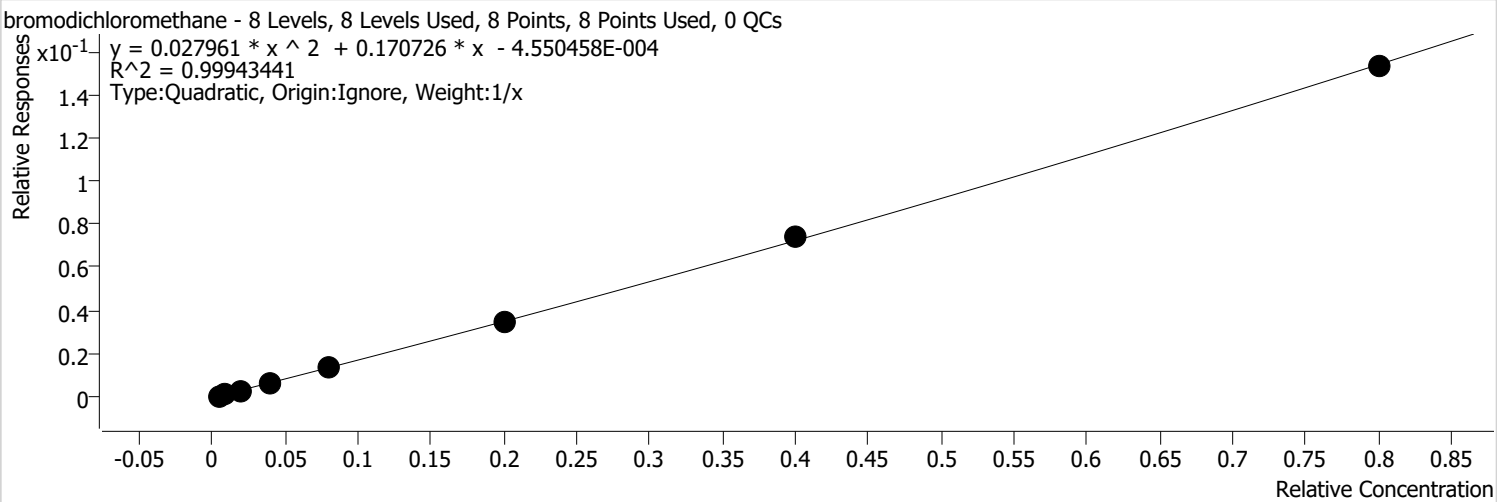
Methyl methacrylate %RSE = 11.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		0	0.0050	0.0000	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	213	0.0500	0.0569	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1185	0.1000	0.1565	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	2366	0.2000	0.1609	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	6055	0.5000	0.1606	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	11077	1.0000	0.1474	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	22956	2.0000	0.1539	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	58471	5.0000	0.1551	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	121405	10.0000	0.1590	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	256095	20.0000	0.1642	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:38 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

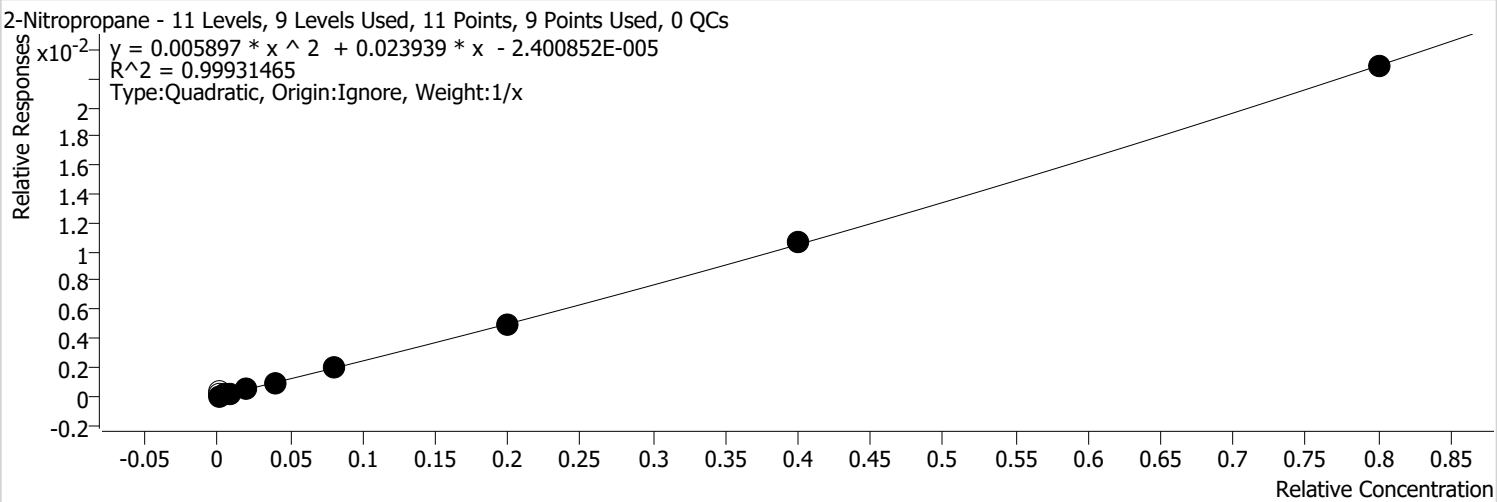
bromodichloromethane %RSE = 8.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	643	0.1000	0.0848	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	1543	0.2000	0.1049	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	5491	0.5000	0.1457	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	11013	1.0000	0.1466	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	24270	2.0000	0.1627	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	64938	5.0000	0.1723	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	142378	10.0000	0.1865	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	298328	20.0000	0.1913	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:38 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

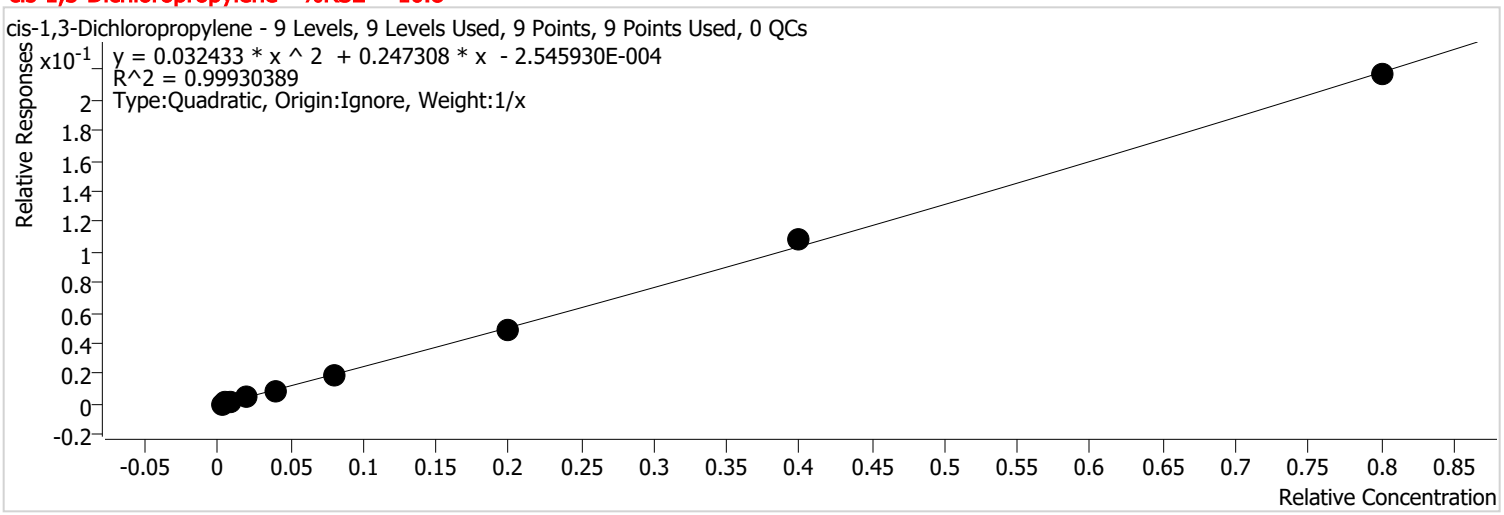
2-Nitropropane %RSE = 14.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		505	0.0050	1.3720	
D:\GC-27\DATA\021325\021320.D	Calibration	2		93	0.0100	0.1262	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	26	0.0500	0.0069	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	129	0.1000	0.0170	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	403	0.2000	0.0274	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	922	0.5000	0.0245	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	1661	1.0000	0.0221	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	3552	2.0000	0.0238	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	9162	5.0000	0.0243	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	20464	10.0000	0.0268	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	44498	20.0000	0.0285	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:38 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

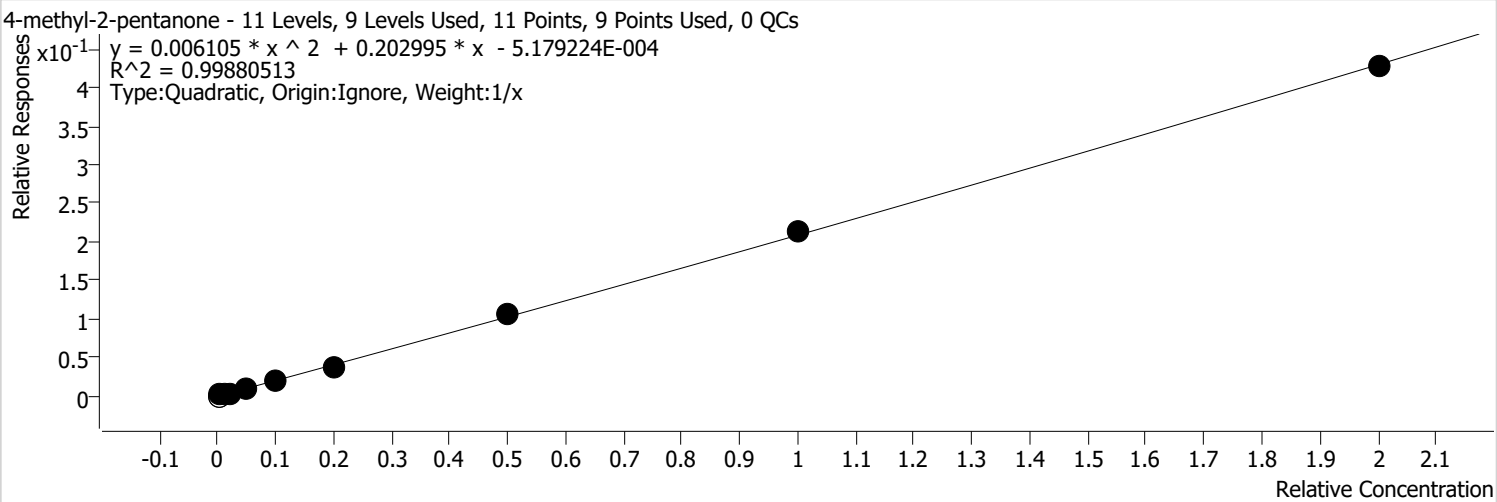
cis-1,3-Dichloropropylene %RSE = 10.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	662	0.0500	0.1768	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1307	0.1000	0.1725	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	3062	0.2000	0.2083	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	7997	0.5000	0.2122	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	17085	1.0000	0.2274	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	36385	2.0000	0.2439	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	93372	5.0000	0.2477	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	205615	10.0000	0.2693	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	422483	20.0000	0.2709	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:38 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

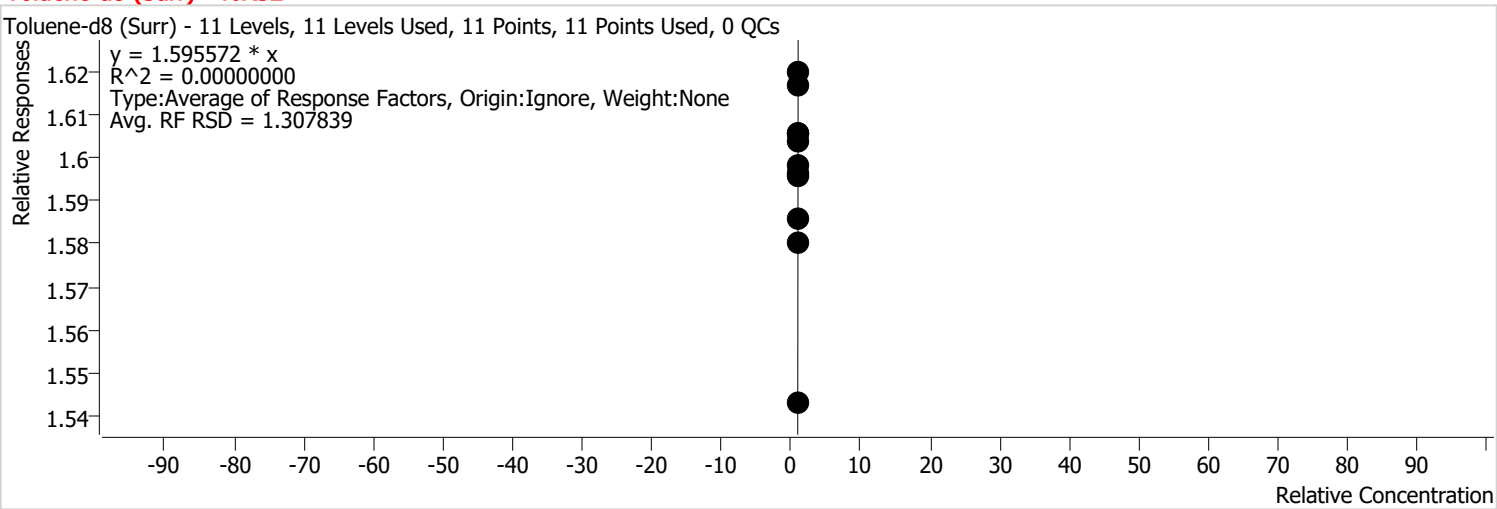
4-methyl-2-pentanone %RSE = 14.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		0	0.0125	0.0000	
D:\GC-27\DATA\021325\021320.D	Calibration	2		591	0.0250	0.3210	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	1361	0.1250	0.1455	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	3317	0.2500	0.1751	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	5981	0.5000	0.1627	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	14367	1.2500	0.1525	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	34291	2.5000	0.1826	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	71657	5.0000	0.1921	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	200237	12.5000	0.2125	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	406570	25.0000	0.2130	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	832539	50.0000	0.2135	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:38 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

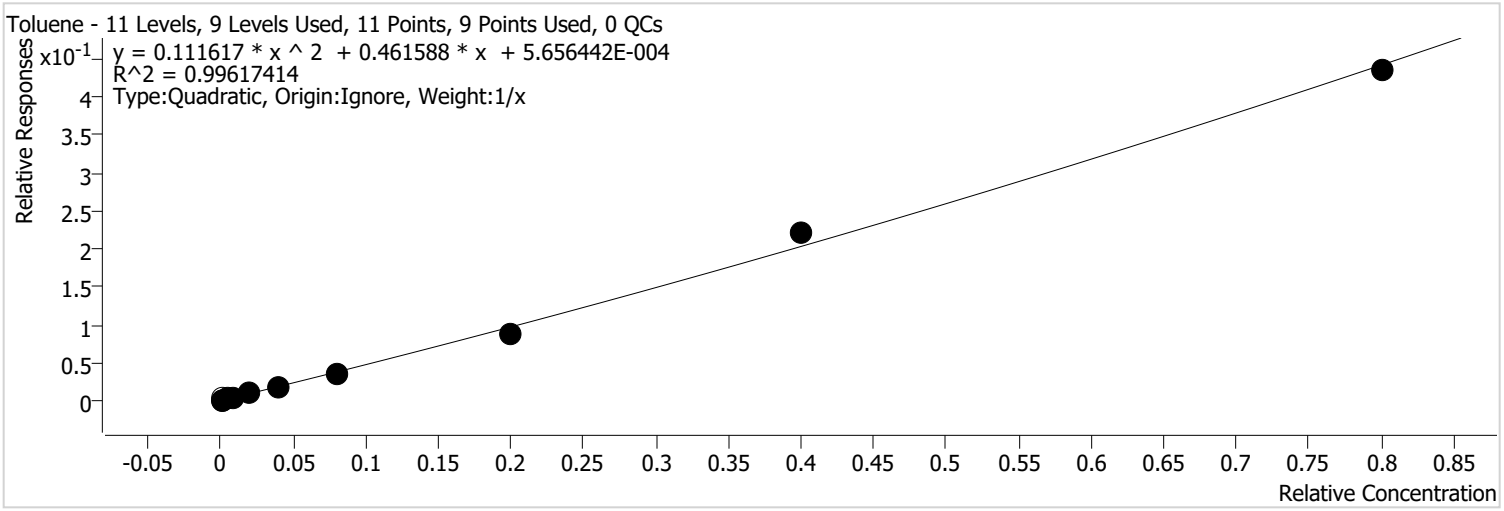
Toluene-d8 (Surr) %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	3008646	25.0000	1.5434	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	3027032	25.0000	1.5857	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	2977940	25.0000	1.5803	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	2976354	25.0000	1.5959	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	3011984	25.0000	1.6037	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	3009173	25.0000	1.5966	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	2951110	25.0000	1.6055	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	3026841	25.0000	1.5981	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	3005134	25.0000	1.6059	
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	2979874	25.0000	1.6196	
D:\GC-27\DATA\021325\021319.D	Calibration	1	x	2976506	25.0000	1.6166	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:38 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

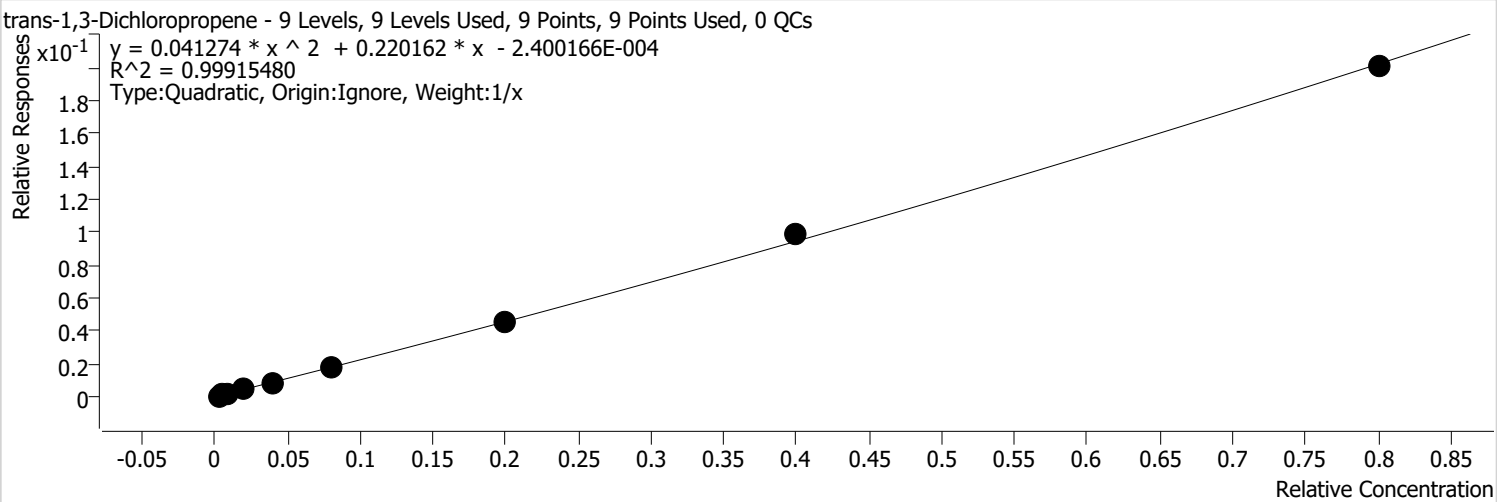
Toluene %RSE = 11.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		9330	0.0050	25.3368	
D:\GC-27\DATA\021325\021320.D	Calibration	2		3505	0.0100	4.7626	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	3171	0.0500	0.8473	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	4350	0.1000	0.5742	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	7820	0.2000	0.5318	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	18378	0.5000	0.4876	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	33521	1.0000	0.4462	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	66597	2.0000	0.4464	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	167461	5.0000	0.4443	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	425483	10.0000	0.5572	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	845641	20.0000	0.5422	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:38 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

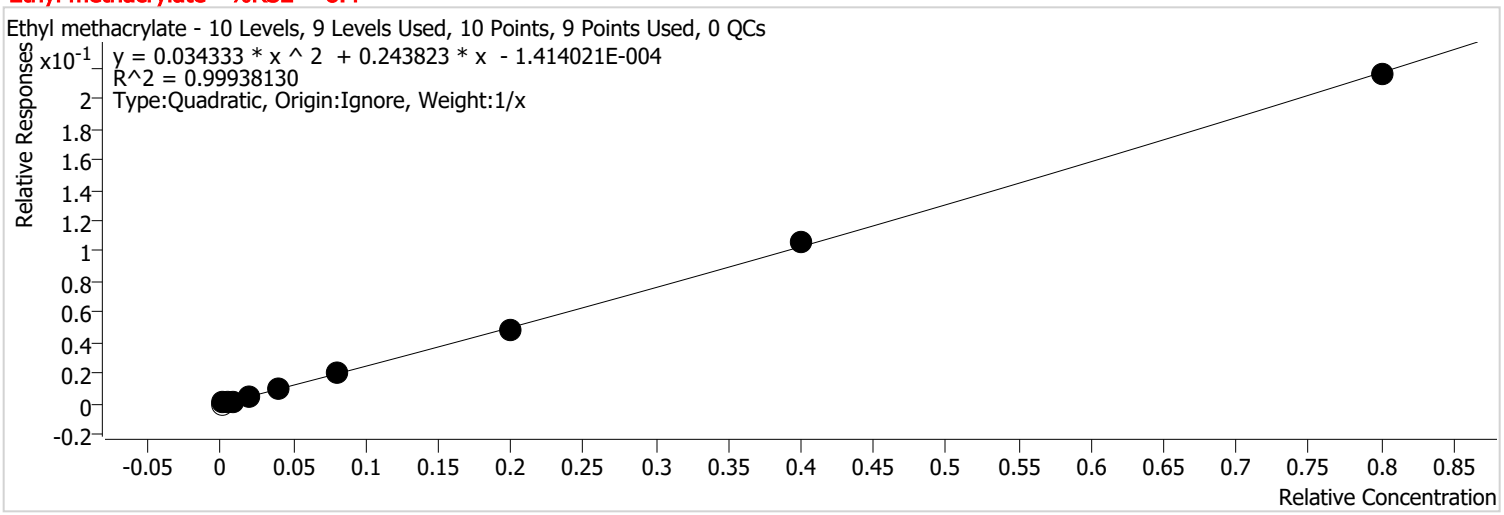
trans-1,3-Dichloropropene %RSE = 7.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	454	0.0500	0.1213	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1387	0.1000	0.1831	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	2665	0.2000	0.1812	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	7591	0.5000	0.2014	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	14404	1.0000	0.1917	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	31659	2.0000	0.2122	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	84876	5.0000	0.2252	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	187521	10.0000	0.2456	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	391091	20.0000	0.2508	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:38 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

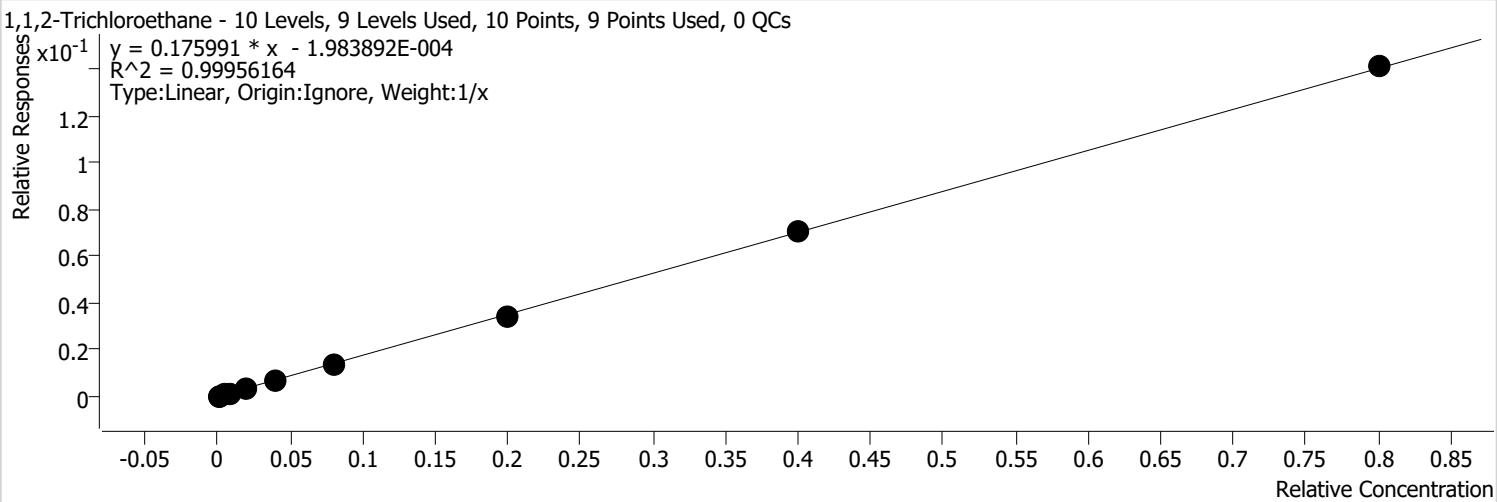
Ethyl methacrylate %RSE = 8.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		0	0.0050	0.0000	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	782	0.0500	0.2090	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1697	0.1000	0.2240	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	3054	0.2000	0.2077	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	8267	0.5000	0.2193	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	16959	1.0000	0.2257	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	36485	2.0000	0.2445	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	92225	5.0000	0.2447	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	203212	10.0000	0.2661	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	419924	20.0000	0.2693	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:38 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

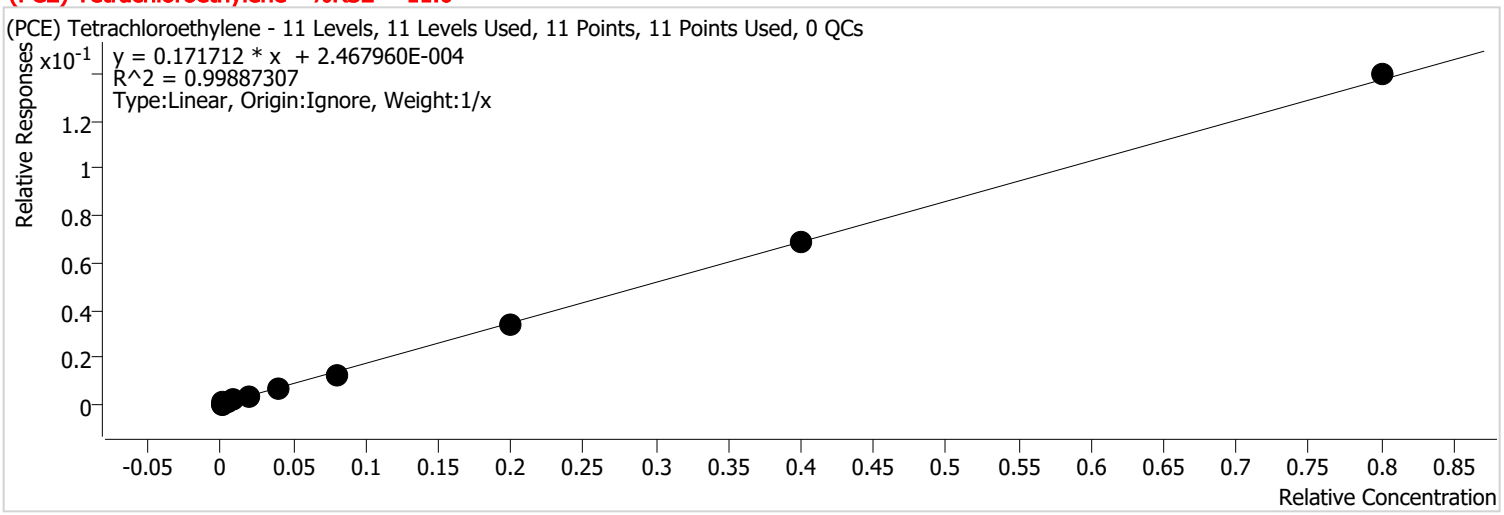
1,1,2-Trichloroethane %RSE = 6.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		0	0.0050	0.0000	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	295	0.0500	0.0789	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1107	0.1000	0.1461	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	2301	0.2000	0.1565	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	5903	0.5000	0.1566	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	11642	1.0000	0.1550	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	25809	2.0000	0.1730	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	64384	5.0000	0.1708	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	135704	10.0000	0.1777	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	275424	20.0000	0.1766	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:38 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

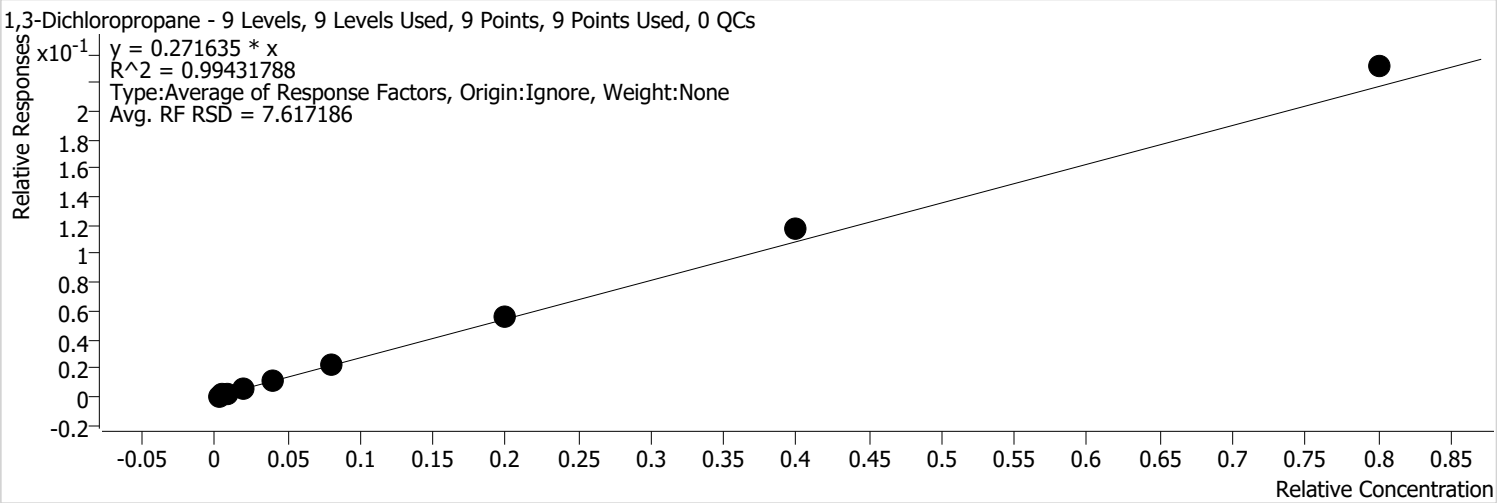
(PCE) Tetrachloroethylene %RSE = 11.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1	x	509	0.0050	1.3827	
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	584	0.0100	0.7938	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	1268	0.0500	0.3387	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1781	0.1000	0.2351	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	3006	0.2000	0.2044	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	7221	0.5000	0.1916	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	11721	1.0000	0.1560	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	23926	2.0000	0.1604	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	63505	5.0000	0.1685	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	132568	10.0000	0.1736	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	272457	20.0000	0.1747	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

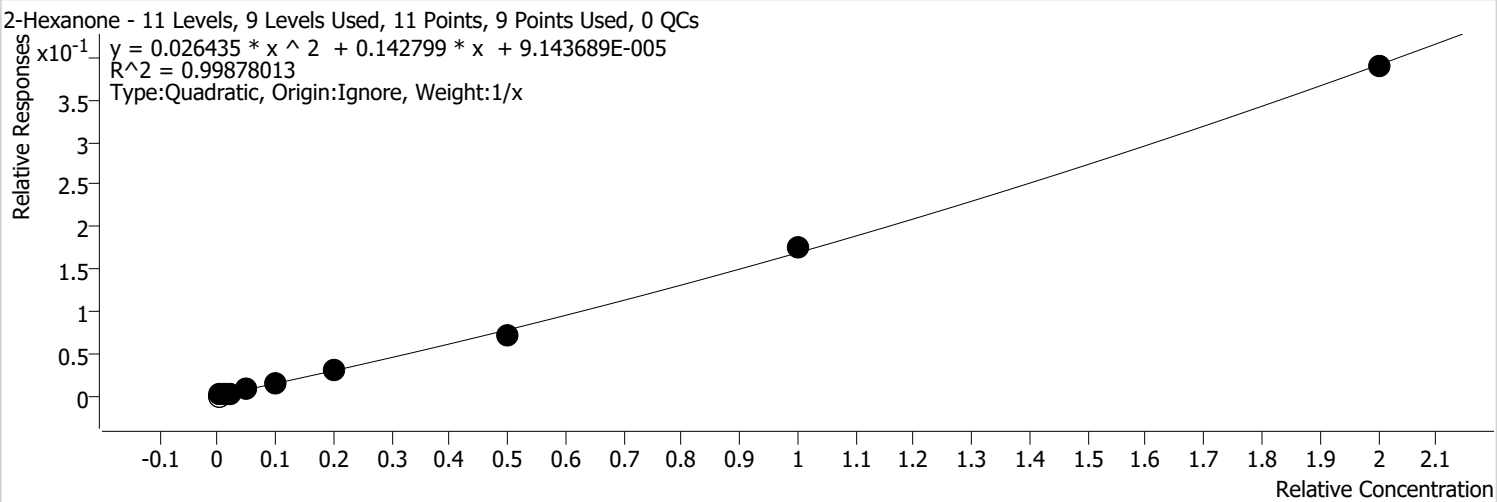
1,3-Dichloropropane %RSE = 7.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	922	0.0500	0.2464	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1741	0.1000	0.2298	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	4082	0.2000	0.2776	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	10409	0.5000	0.2762	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	20336	1.0000	0.2707	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	41312	2.0000	0.2769	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	107269	5.0000	0.2846	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	224121	10.0000	0.2935	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	450781	20.0000	0.2891	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

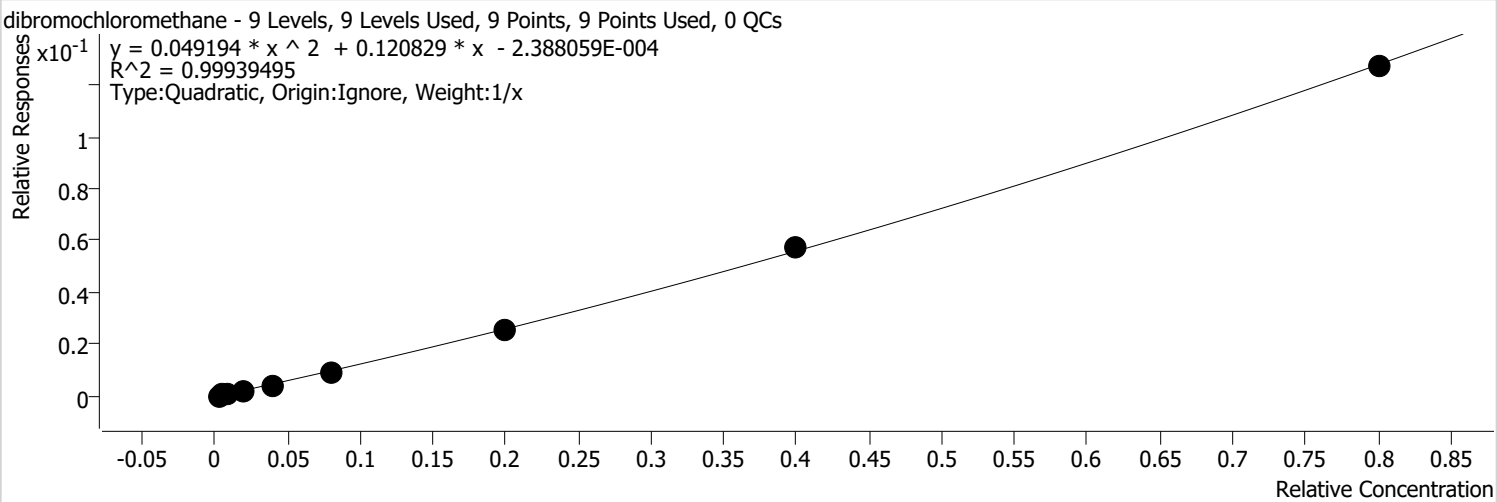
2-Hexanone %RSE = 5.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		0	0.0125	0.0000	
D:\GC-27\DATA\021325\021320.D	Calibration	2		0	0.0250	0.0000	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	1504	0.1250	0.1608	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	2793	0.2500	0.1475	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	5705	0.5000	0.1552	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	14264	1.2500	0.1514	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	25441	2.5000	0.1355	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	58884	5.0000	0.1579	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	136193	12.5000	0.1445	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	336097	25.0000	0.1761	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	759046	50.0000	0.1947	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

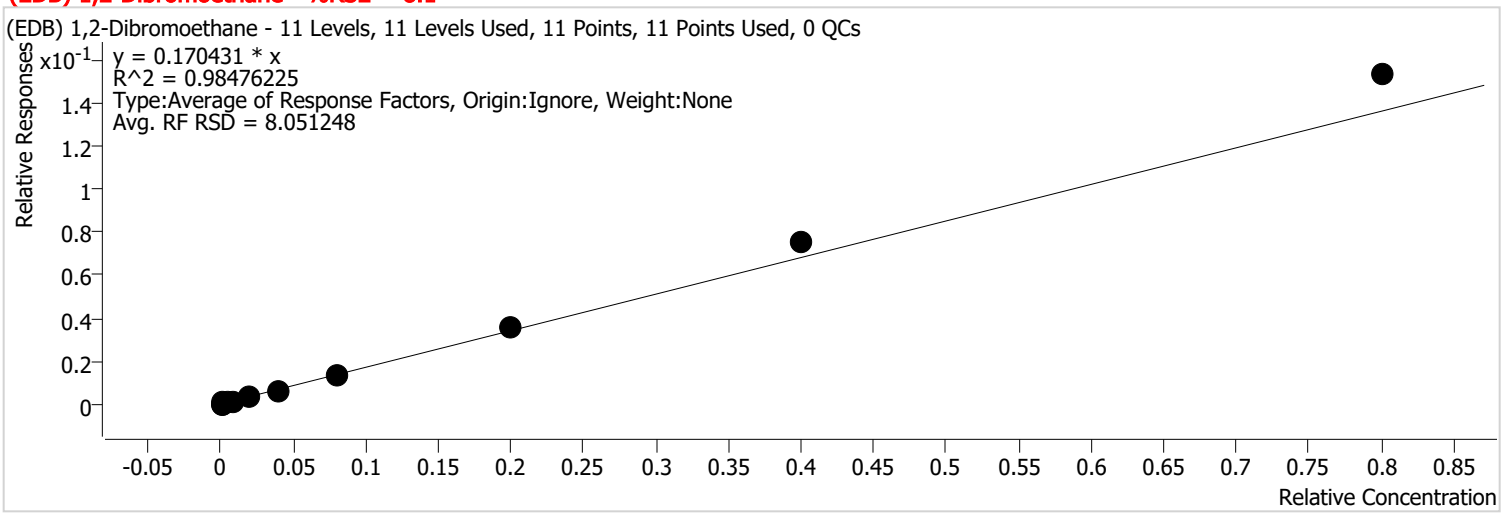
dibromochloromethane %RSE = 12.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	117	0.0500	0.0313	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	476	0.1000	0.0629	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	1128	0.2000	0.0767	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	4003	0.5000	0.1062	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	7870	1.0000	0.1048	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	17490	2.0000	0.1172	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	48867	5.0000	0.1297	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	110194	10.0000	0.1443	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	247733	20.0000	0.1589	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

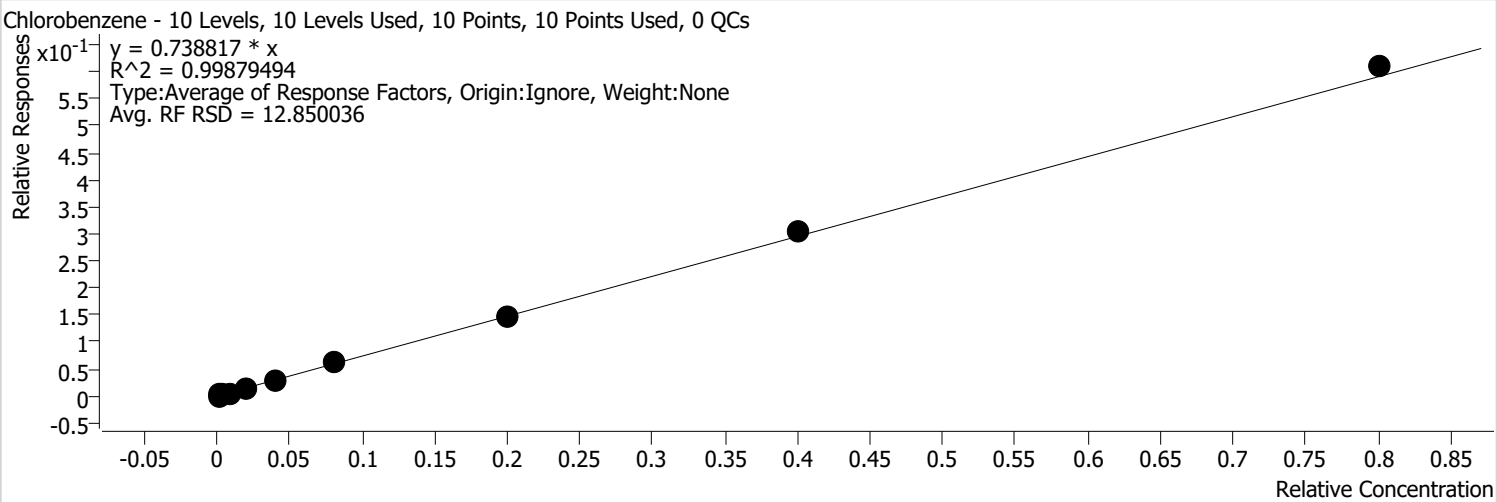
(EDB) 1,2-Dibromoethane %RSE = 8.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1	x	68	0.0050	0.1835	
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	123	0.0100	0.1668	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	602	0.0500	0.1610	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1173	0.1000	0.1548	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	2297	0.2000	0.1562	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	6000	0.5000	0.1592	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	11985	1.0000	0.1595	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	25742	2.0000	0.1725	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	67706	5.0000	0.1796	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	144972	10.0000	0.1899	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	298884	20.0000	0.1917	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

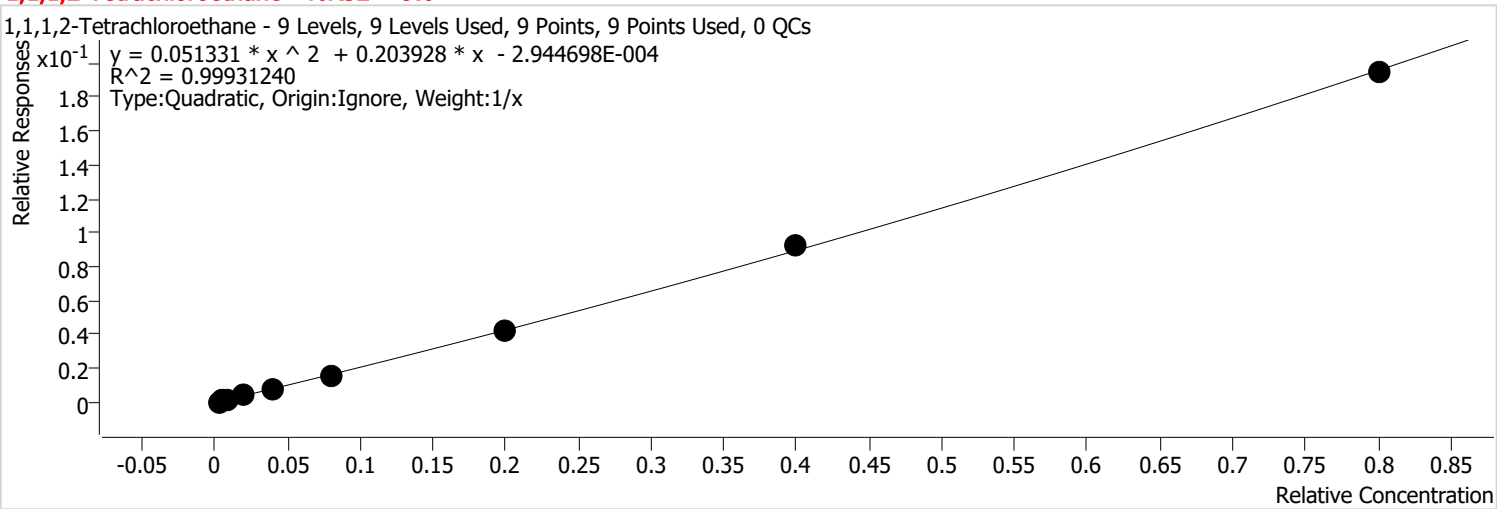
Chlorobenzene %RSE = 12.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	271	0.0100	0.5267	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	2384	0.0500	0.9220	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	3777	0.1000	0.7334	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	7528	0.2000	0.7426	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	18952	0.5000	0.7386	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	36502	1.0000	0.7146	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	77756	2.0000	0.7657	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	188213	5.0000	0.7230	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	398308	10.0000	0.7597	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	797744	20.0000	0.7618	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

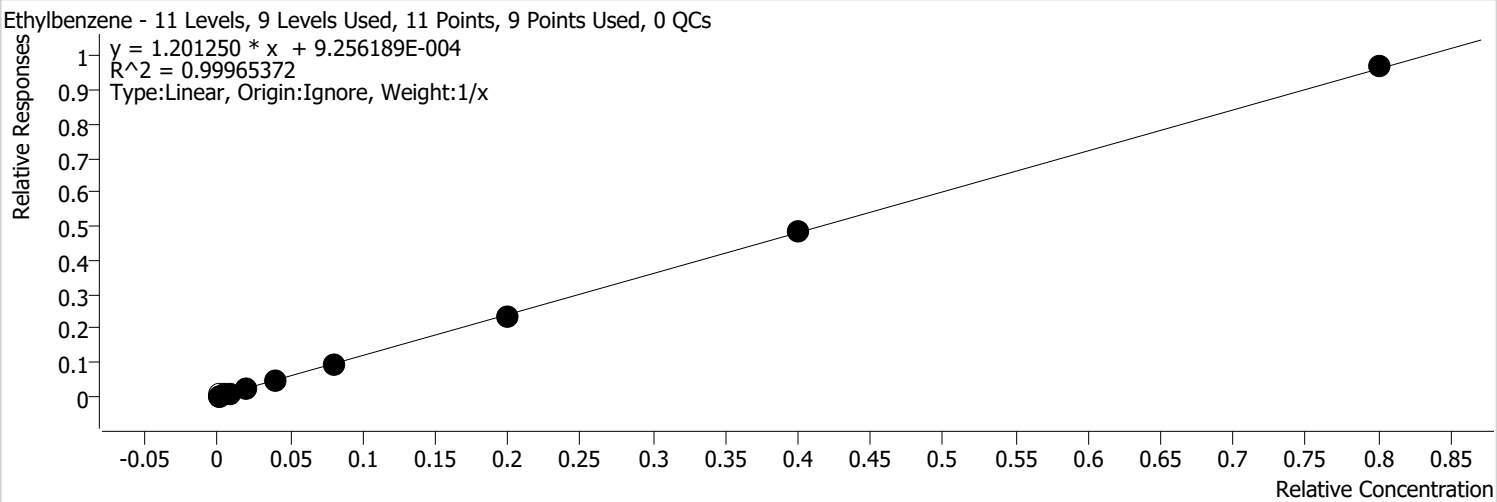
1,1,1,2-Tetrachloroethane %RSE = 9.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	244	0.0500	0.0944	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	646	0.1000	0.1254	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	1654	0.2000	0.1632	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	4757	0.5000	0.1854	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	9021	1.0000	0.1766	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	20195	2.0000	0.1989	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	54826	5.0000	0.2106	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	121559	10.0000	0.2318	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	254294	20.0000	0.2428	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

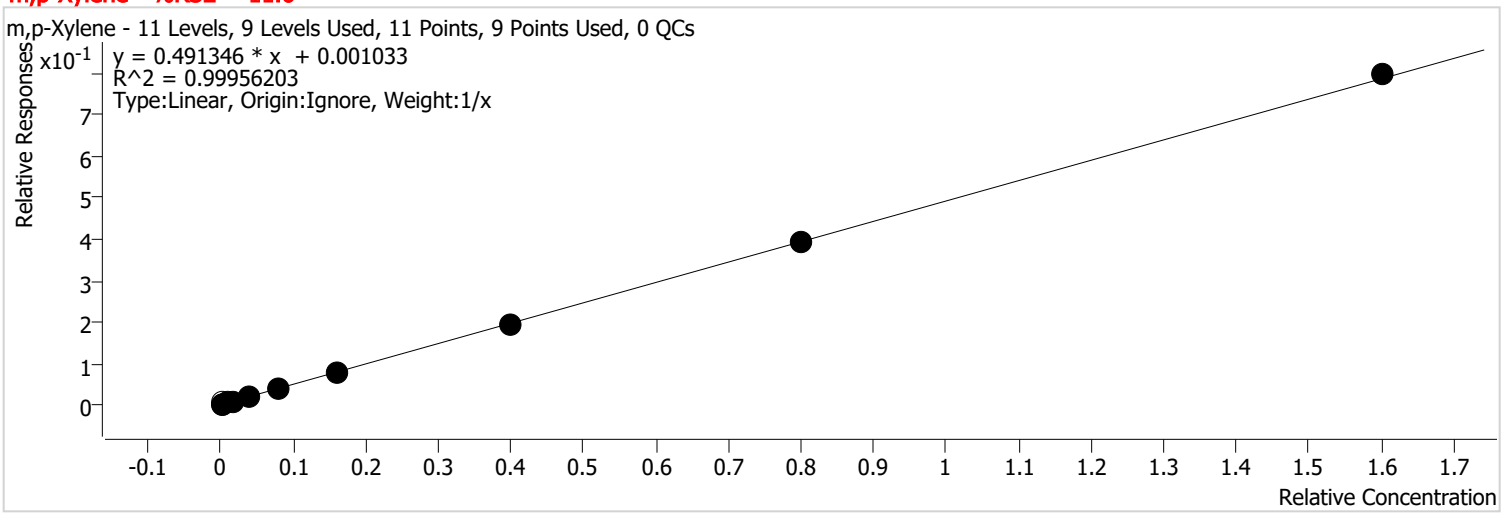
Ethylbenzene %RSE = 8.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		7364	0.0050	28.6549	
D:\GC-27\DATA\021325\021320.D	Calibration	2		3483	0.0100	6.7753	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	4898	0.0500	1.8945	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	7074	0.1000	1.3736	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	12721	0.2000	1.2548	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	32466	0.5000	1.2652	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	57288	1.0000	1.1215	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	120781	2.0000	1.1895	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	310054	5.0000	1.1910	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	634301	10.0000	1.2098	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	1267489	20.0000	1.2104	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

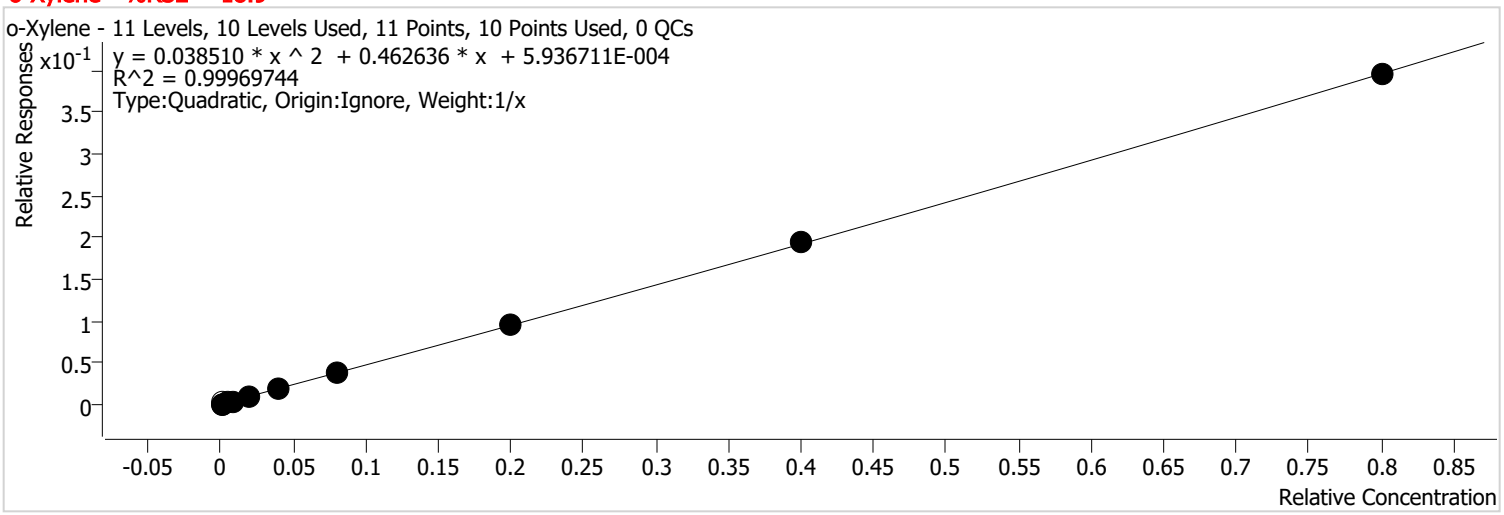
m,p-Xylene %RSE = 11.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		9389	0.0100	18.2692	
D:\GC-27\DATA\021325\021320.D	Calibration	2		3979	0.0200	3.8701	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	4557	0.1000	0.8813	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	5876	0.2000	0.5705	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	10507	0.4000	0.5182	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	26768	1.0000	0.5216	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	48096	2.0000	0.4708	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	99004	4.0000	0.4875	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	252626	10.0000	0.4852	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	514589	20.0000	0.4907	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	1043020	40.0000	0.4980	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

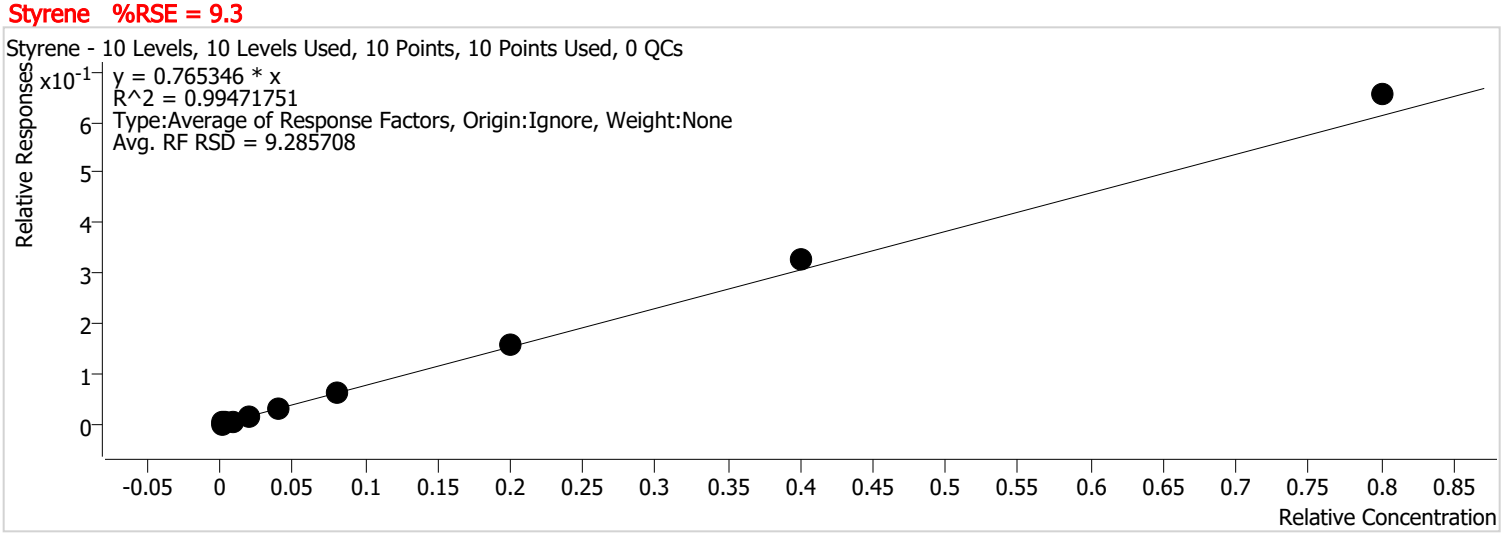
o-Xylene %RSE = 18.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		2060	0.0050	8.0172	
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	1106	0.0100	2.1508	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	1769	0.0500	0.6842	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	2864	0.1000	0.5561	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	4997	0.2000	0.4929	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	12013	0.5000	0.4681	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	23506	1.0000	0.4602	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	49150	2.0000	0.4840	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	122974	5.0000	0.4724	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	254561	10.0000	0.4855	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	515945	20.0000	0.4927	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:38 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

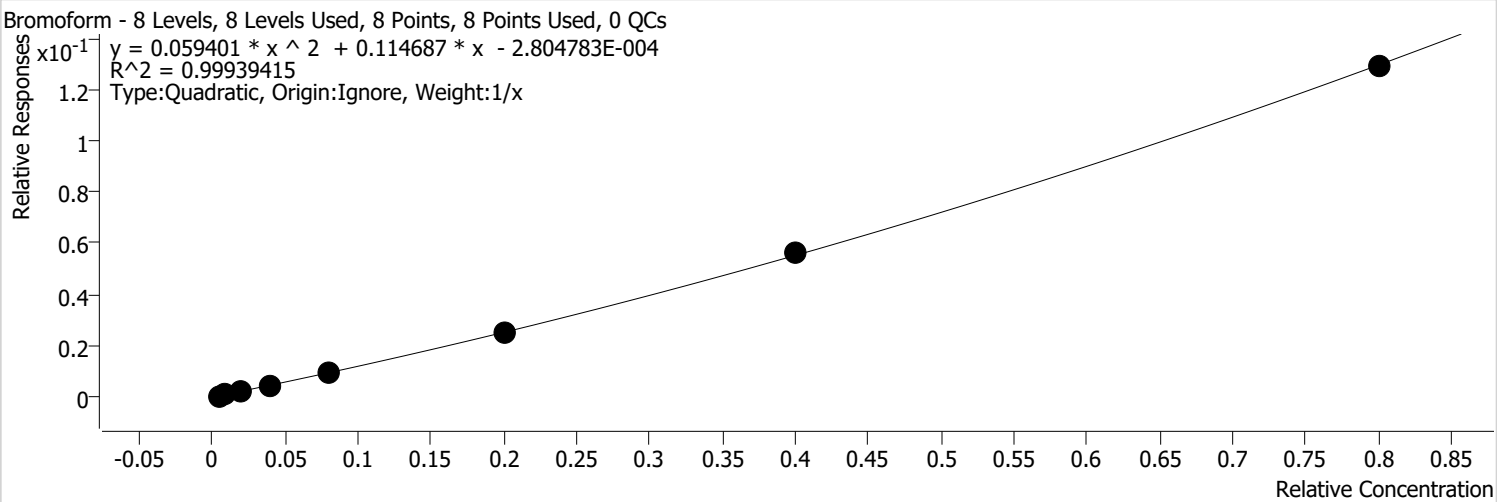
Styrene %RSE = 9.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	395	0.0100	0.7682	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	2302	0.0500	0.8902	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	3216	0.1000	0.6246	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	7286	0.2000	0.7187	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	18815	0.5000	0.7332	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	37355	1.0000	0.7313	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	77857	2.0000	0.7667	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	205230	5.0000	0.7883	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	427166	10.0000	0.8147	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	855939	20.0000	0.8174	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

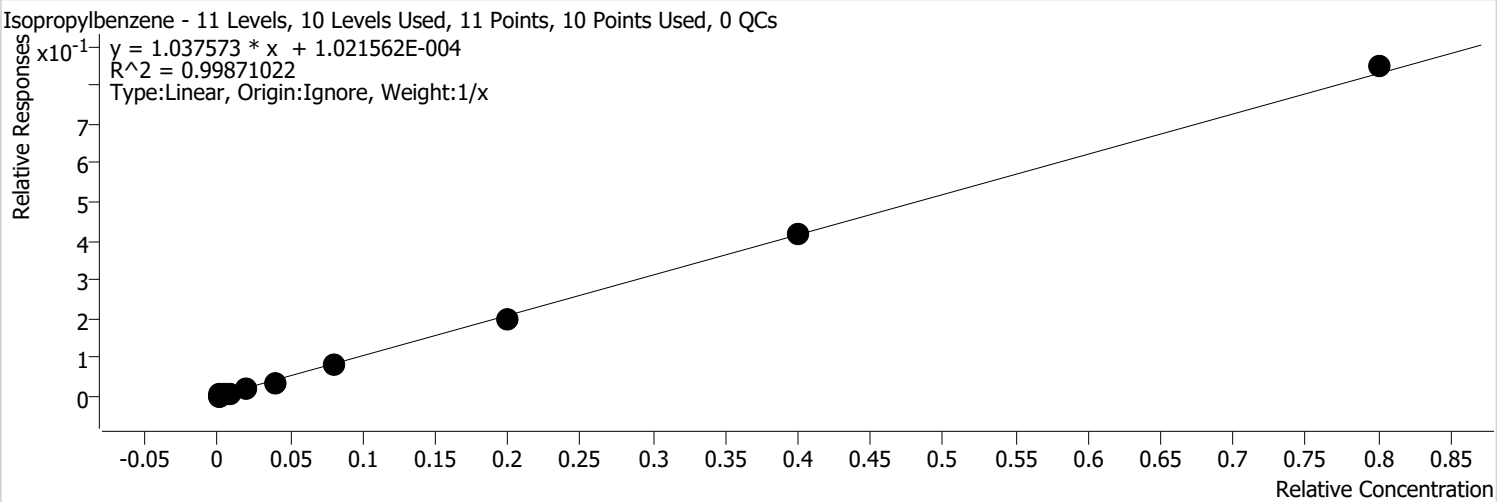
Bromoform %RSE = 9.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	320	0.1000	0.0622	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	849	0.2000	0.0837	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	2495	0.5000	0.0972	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	4774	1.0000	0.0935	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	11367	2.0000	0.1119	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	33055	5.0000	0.1270	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	73898	10.0000	0.1409	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	168622	20.0000	0.1610	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

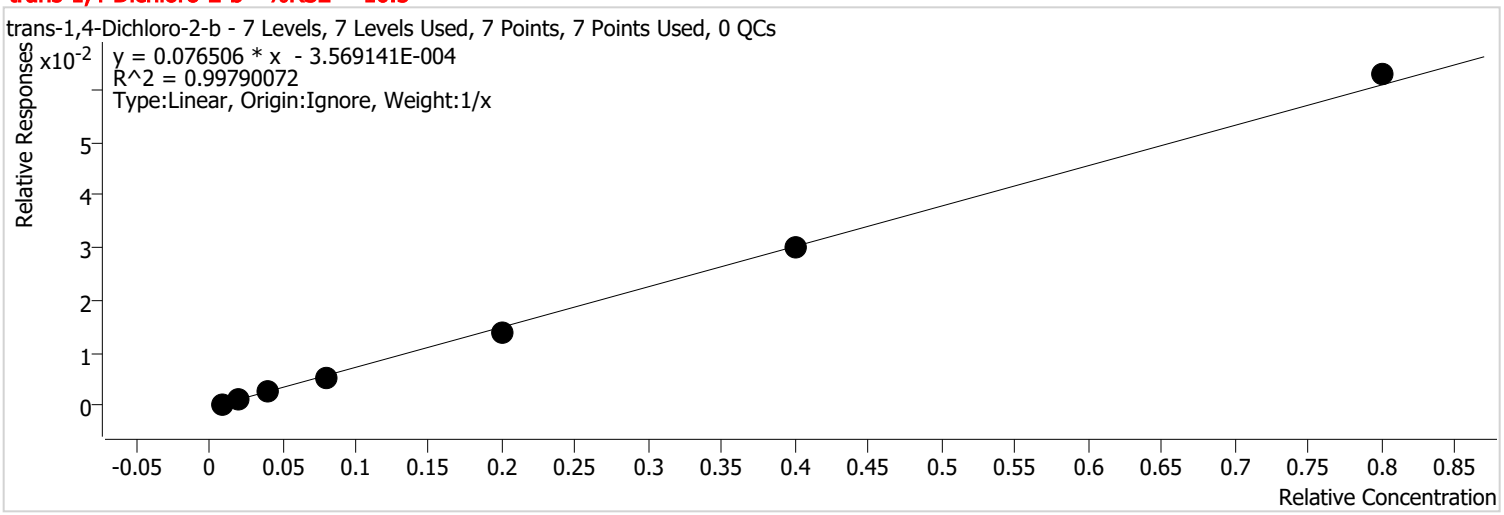
Isopropylbenzene %RSE = 10.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		1126	0.0050	4.3834	
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	741	0.0100	1.4409	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	3357	0.0500	1.2982	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	5134	0.1000	0.9968	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	9946	0.2000	0.9811	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	26884	0.5000	1.0477	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	45662	1.0000	0.8939	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	98807	2.0000	0.9731	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	259101	5.0000	0.9952	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	547213	10.0000	1.0437	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	1109650	20.0000	1.0597	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

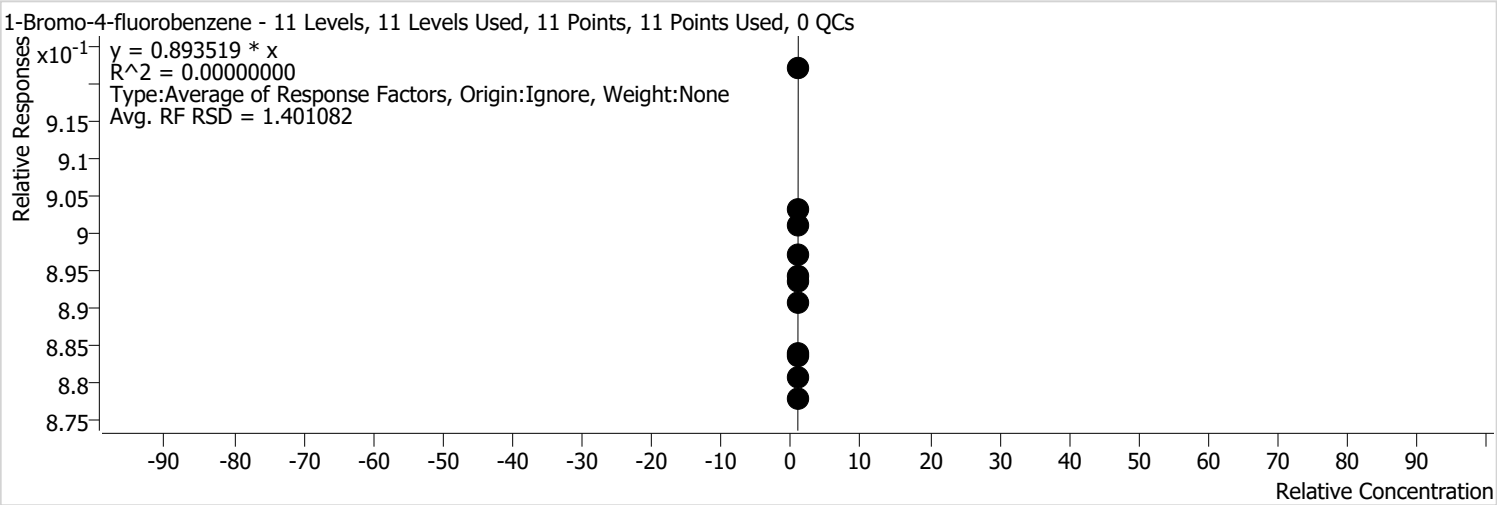
trans-1,4-Dichloro-2-b %RSE = 10.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	473	0.2000	0.0467	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	1513	0.5000	0.0590	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	3205	1.0000	0.0627	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	6615	2.0000	0.0651	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	18177	5.0000	0.0698	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	39192	10.0000	0.0747	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	82196	20.0000	0.0785	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

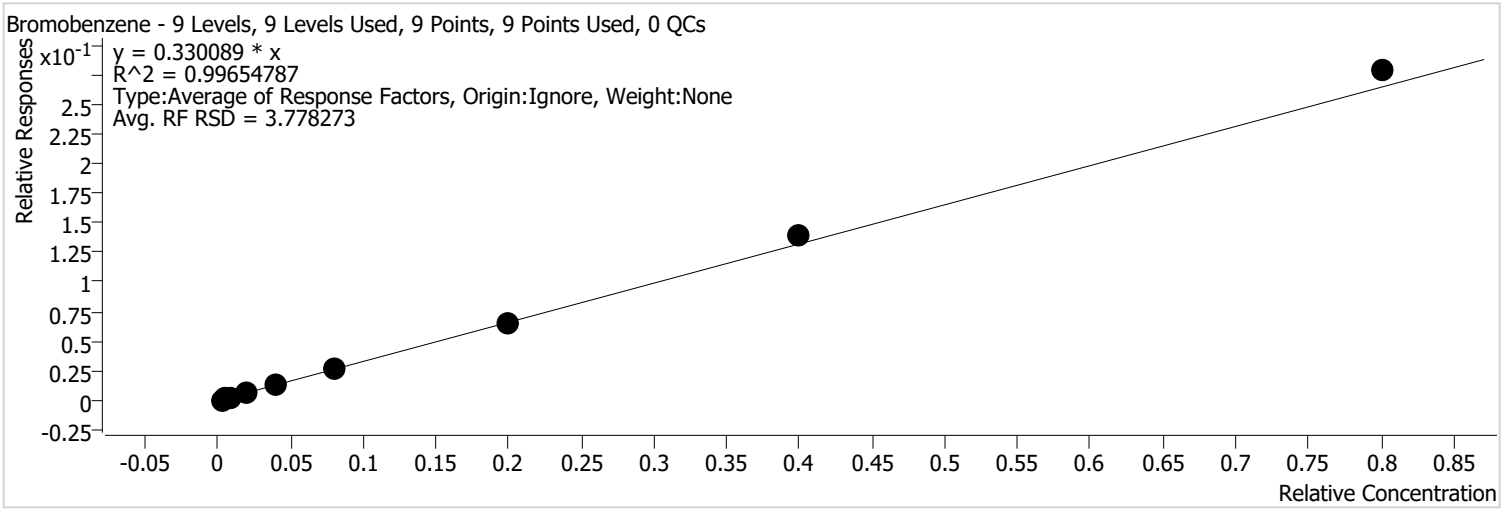
1-Bromo-4-fluorobenzene %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	1206729	25.0000	0.9219	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	1184007	25.0000	0.9033	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	1163416	25.0000	0.8938	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	1130449	25.0000	0.8906	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	1145752	25.0000	0.8972	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	1133529	25.0000	0.8835	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	1112691	25.0000	0.8781	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1151539	25.0000	0.8944	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	1142941	25.0000	0.8841	
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	1132124	25.0000	0.8809	
D:\GC-27\DATA\021325\021319.D	Calibration	1	x	1157608	25.0000	0.9010	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

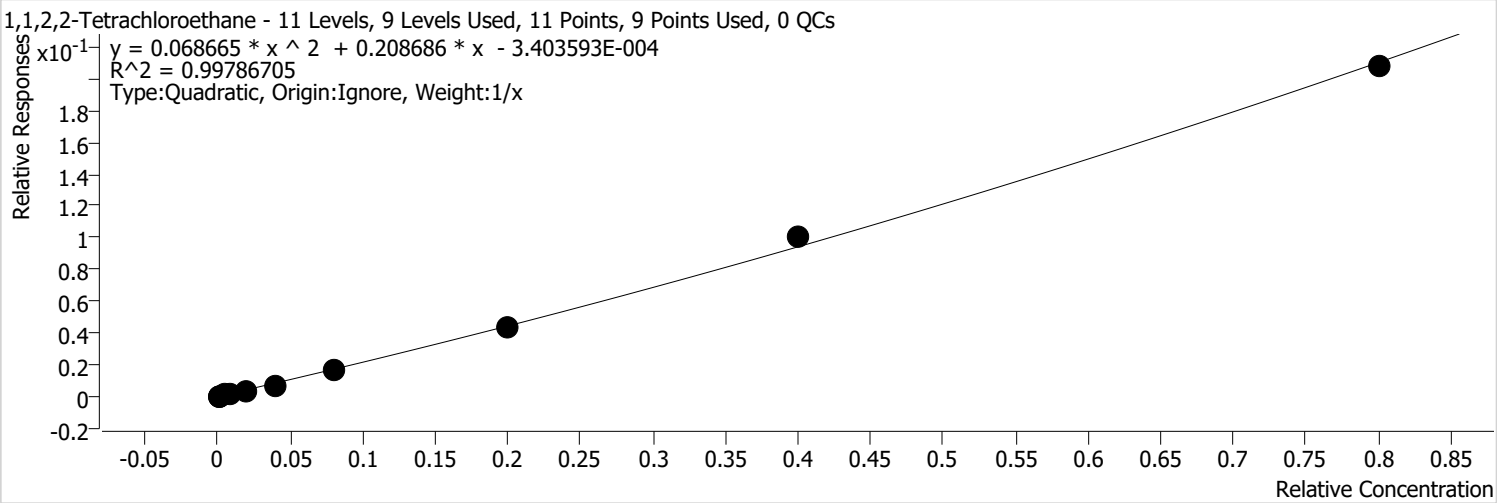
Bromobenzene %RSE = 3.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	839	0.0500	0.3245	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1645	0.1000	0.3195	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	3413	0.2000	0.3366	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	8175	0.5000	0.3186	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	15990	1.0000	0.3130	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	33954	2.0000	0.3344	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	85624	5.0000	0.3289	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	182399	10.0000	0.3479	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	363756	20.0000	0.3474	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

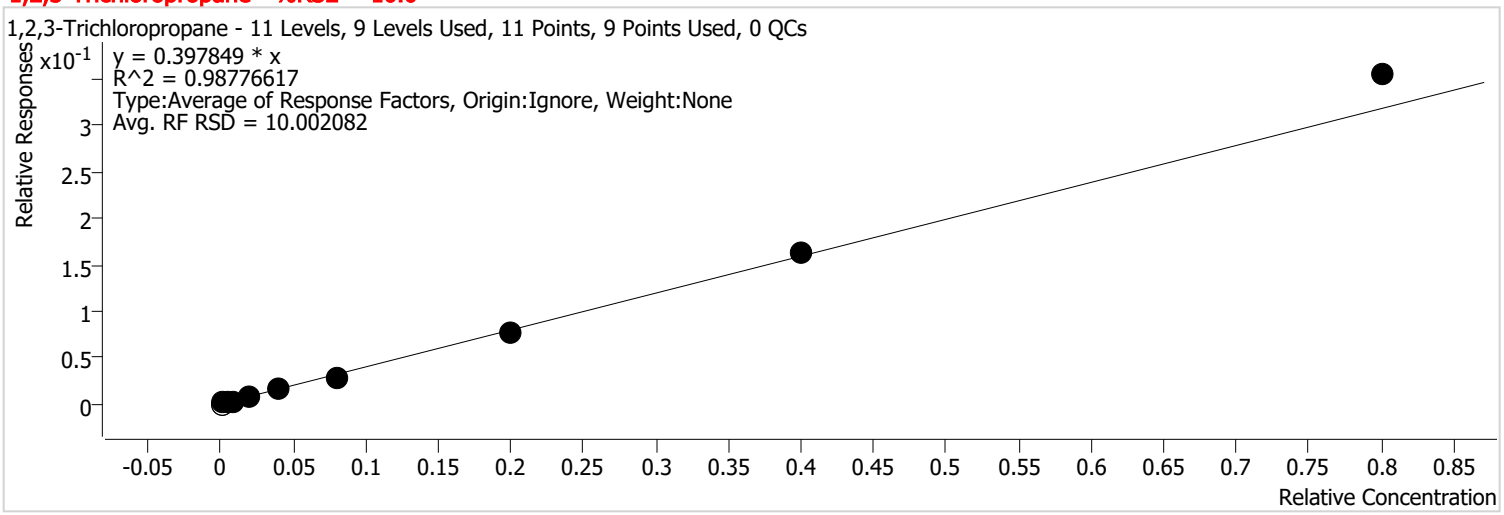
1,1,2,2-Tetrachloroethane %RSE = 20.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		18	0.0050	0.0700	
D:\GC-27\DATA\021325\021320.D	Calibration	2		95	0.0100	0.1848	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	322	0.0500	0.1245	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	712	0.1000	0.1383	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	1323	0.2000	0.1305	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	4166	0.5000	0.1624	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	8700	1.0000	0.1703	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	20316	2.0000	0.2001	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	56820	5.0000	0.2183	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	131167	10.0000	0.2502	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	272084	20.0000	0.2598	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

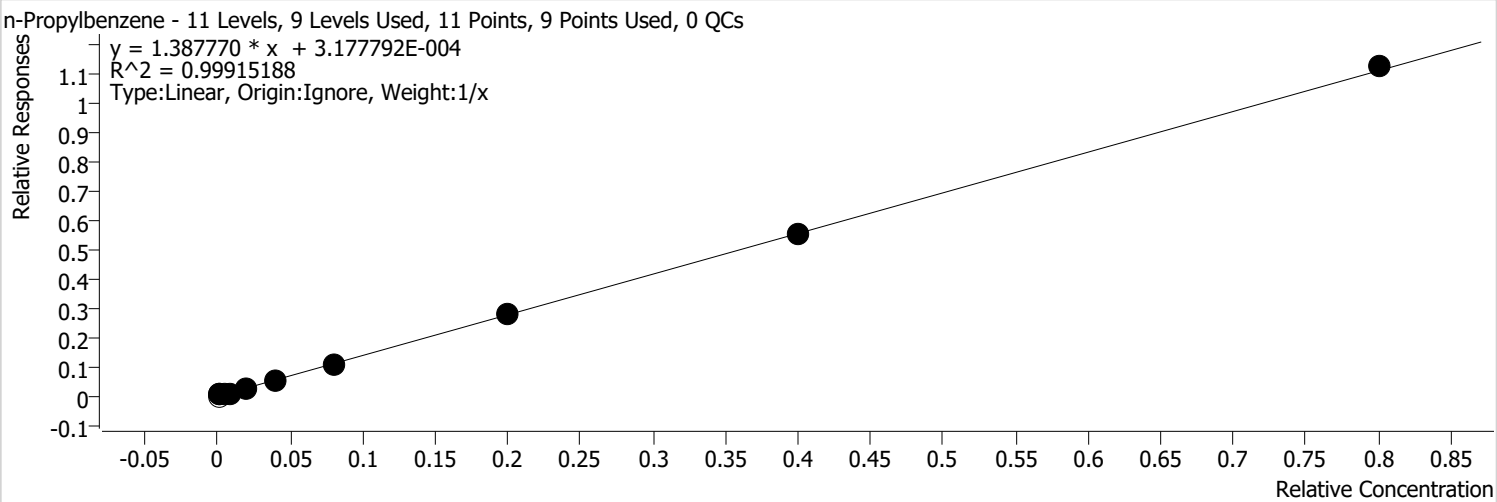
1,2,3-Trichloropropane %RSE = 10.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		0	0.0050	0.0000	
D:\GC-27\DATA\021325\021320.D	Calibration	2		343	0.0100	0.6676	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	951	0.0500	0.3677	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	2446	0.1000	0.4750	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	4062	0.2000	0.4007	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	9655	0.5000	0.3763	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	19242	1.0000	0.3767	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	35391	2.0000	0.3485	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	99607	5.0000	0.3826	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	214836	10.0000	0.4097	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	464300	20.0000	0.4434	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
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Quant Batch Version	10.0	**Quant Report Version**	10.0

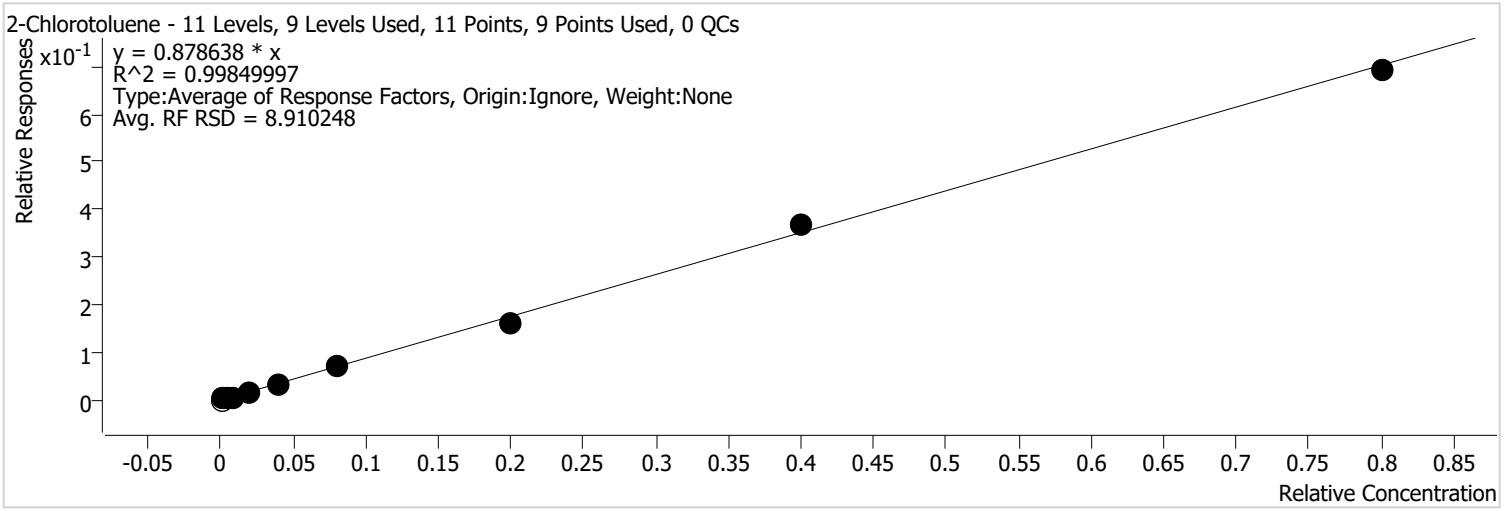
n-Propylbenzene %RSE = 11.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		4460	0.0050	17.3559	
D:\GC-27\DATA\021325\021320.D	Calibration	2		1918	0.0100	3.7308	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	4902	0.0500	1.8959	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	6767	0.1000	1.3140	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	14394	0.2000	1.4199	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	36947	0.5000	1.4398	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	63663	1.0000	1.2463	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	131136	2.0000	1.2914	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	366420	5.0000	1.4075	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	722691	10.0000	1.3784	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	1471578	20.0000	1.4053	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

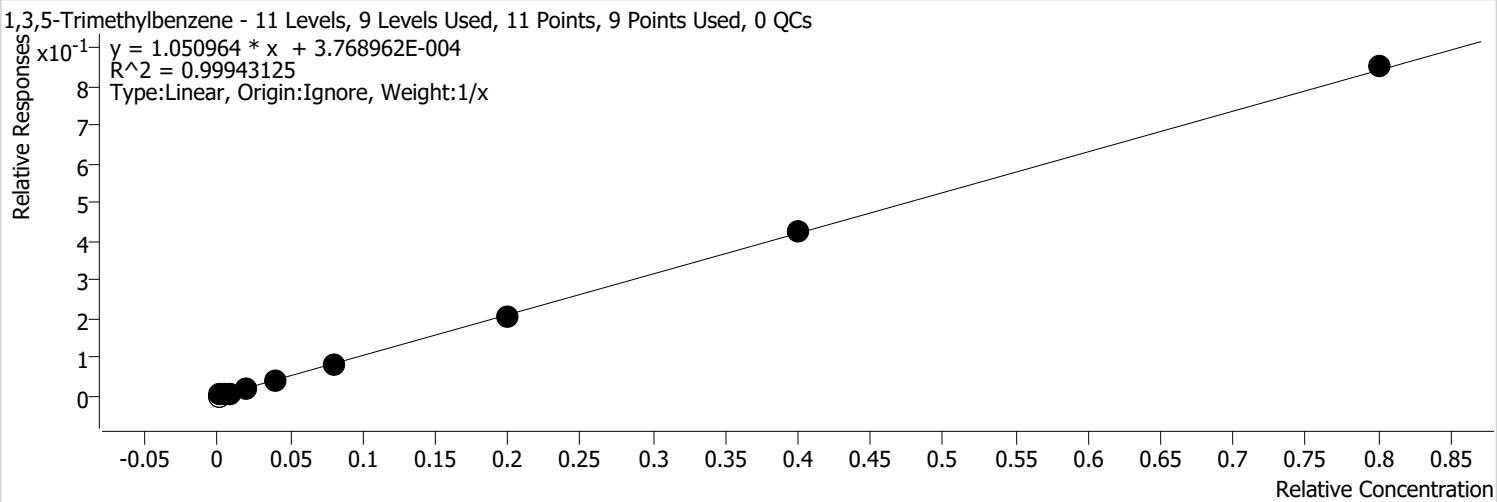
2-Chlorotoluene %RSE = 8.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		1235	0.0050	4.8049	
D:\GC-27\DATA\021325\021320.D	Calibration	2		726	0.0100	1.4127	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	2687	0.0500	1.0394	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	4751	0.1000	0.9225	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	8236	0.2000	0.8125	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	21498	0.5000	0.8378	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	40478	1.0000	0.7925	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	92094	2.0000	0.9069	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	210687	5.0000	0.8093	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	483941	10.0000	0.9230	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	904664	20.0000	0.8639	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

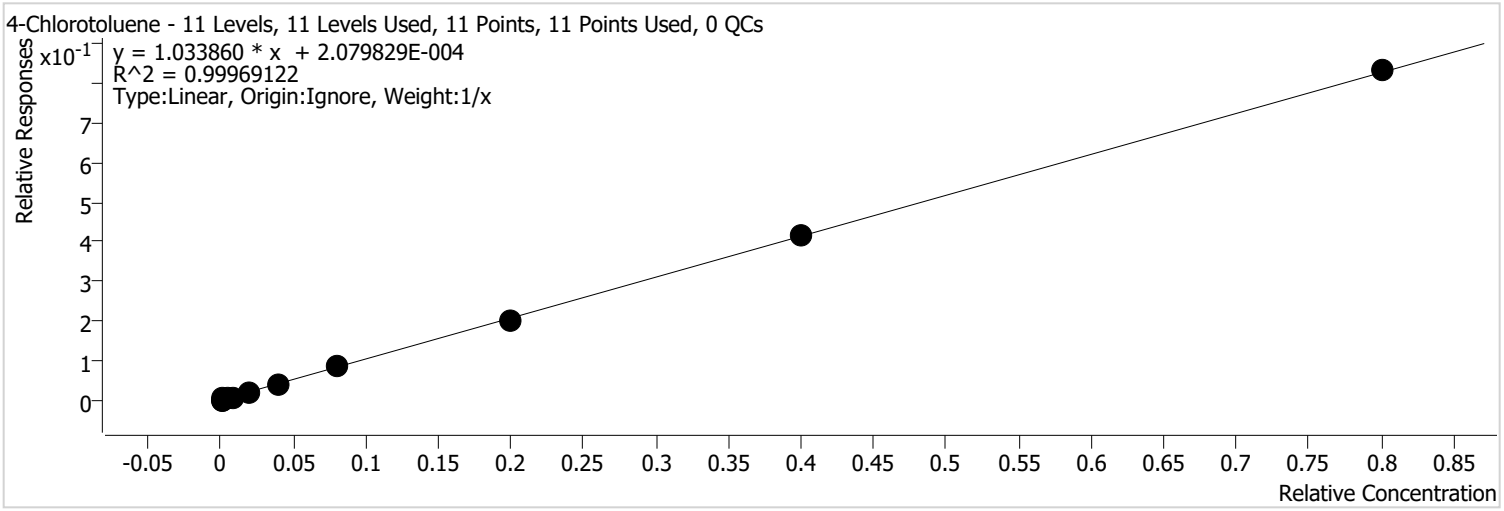
1,3,5-Trimethylbenzene %RSE = 9.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		3071	0.0050	11.9516	
D:\GC-27\DATA\021325\021320.D	Calibration	2		1761	0.0100	3.4248	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	3811	0.0500	1.4738	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	5723	0.1000	1.1113	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	10593	0.2000	1.0450	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	27274	0.5000	1.0629	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	48680	1.0000	0.9530	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	104809	2.0000	1.0322	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	266848	5.0000	1.0250	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	555028	10.0000	1.0586	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	1113201	20.0000	1.0631	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
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Quant Batch Version	10.0	**Quant Report Version**	10.0

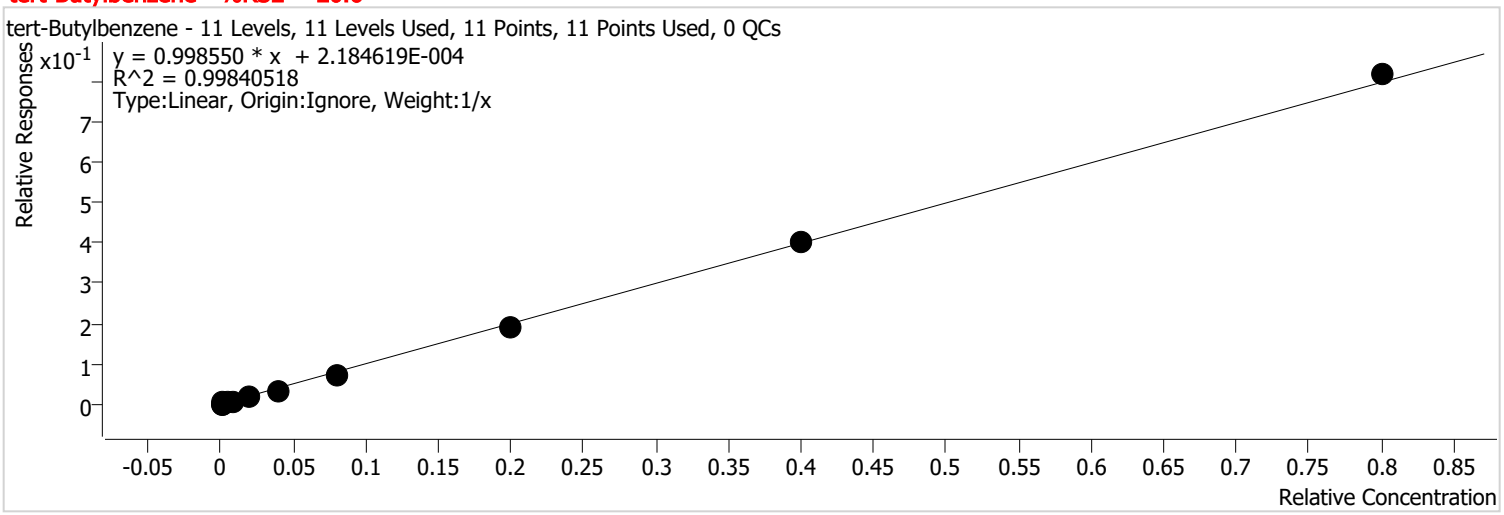
4-Chlorotoluene %RSE = 15.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1	x	621	0.0050	2.4181	
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	655	0.0100	1.2745	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	3246	0.0500	1.2552	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	5210	0.1000	1.0116	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	10393	0.2000	1.0252	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	26503	0.5000	1.0328	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	50804	1.0000	0.9946	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	105092	2.0000	1.0349	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	260614	5.0000	1.0011	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	548723	10.0000	1.0466	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	1088658	20.0000	1.0396	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

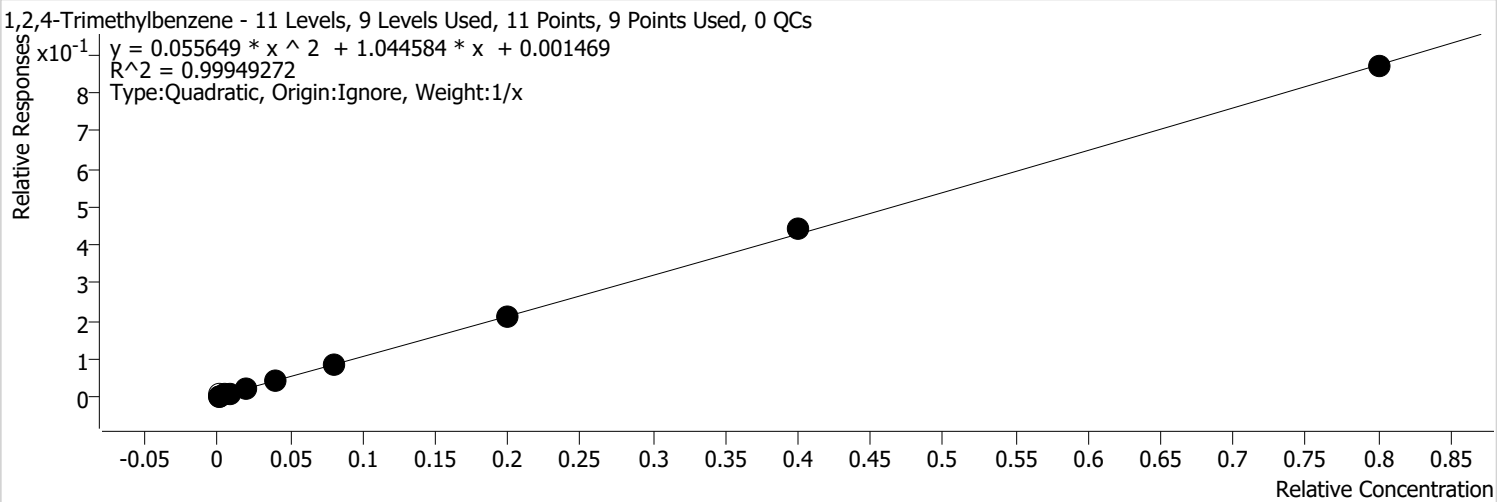
tert-Butylbenzene %RSE = 20.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1	x	668	0.0050	2.5992	
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	751	0.0100	1.4613	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	3314	0.0500	1.2818	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	4557	0.1000	0.8849	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	8813	0.2000	0.8694	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	24624	0.5000	0.9596	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	43783	1.0000	0.8571	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	94437	2.0000	0.9300	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	251027	5.0000	0.9642	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	526797	10.0000	1.0047	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	1070675	20.0000	1.0225	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

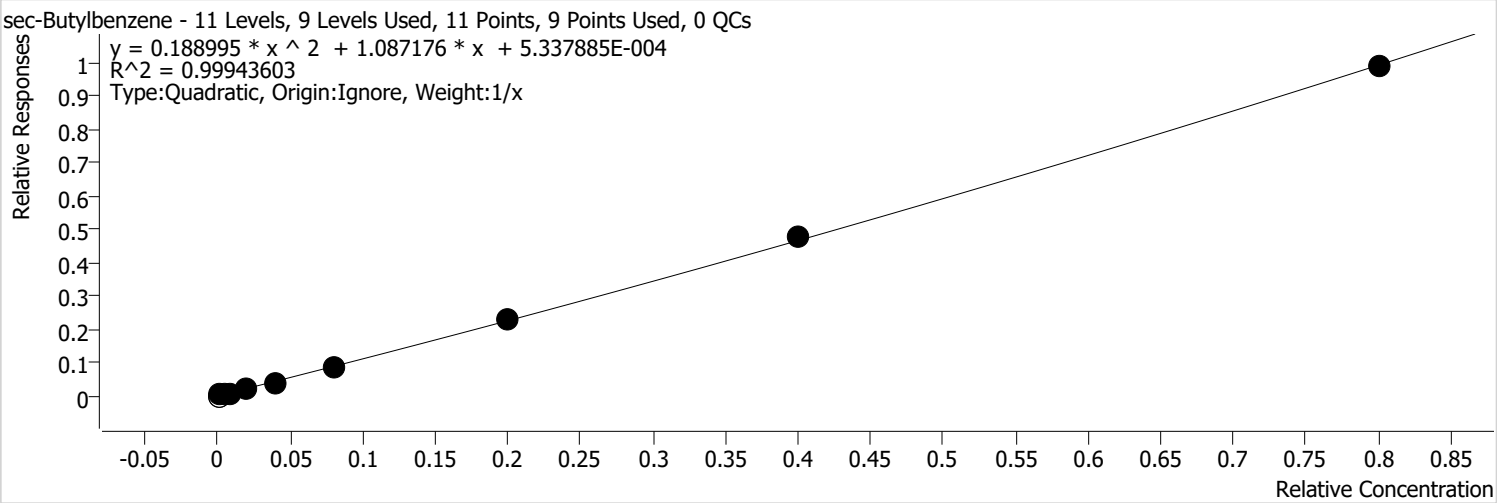
1,2,4-Trimethylbenzene %RSE = 11.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		7358	0.0050	28.6338	
D:\GC-27\DATA\021325\021320.D	Calibration	2		4393	0.0100	8.5444	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	5250	0.0500	2.0306	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	6832	0.1000	1.3266	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	11647	0.2000	1.1489	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	28105	0.5000	1.0953	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	51404	1.0000	1.0063	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	109224	2.0000	1.0756	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	272574	5.0000	1.0470	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	576182	10.0000	1.0989	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	1136141	20.0000	1.0850	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

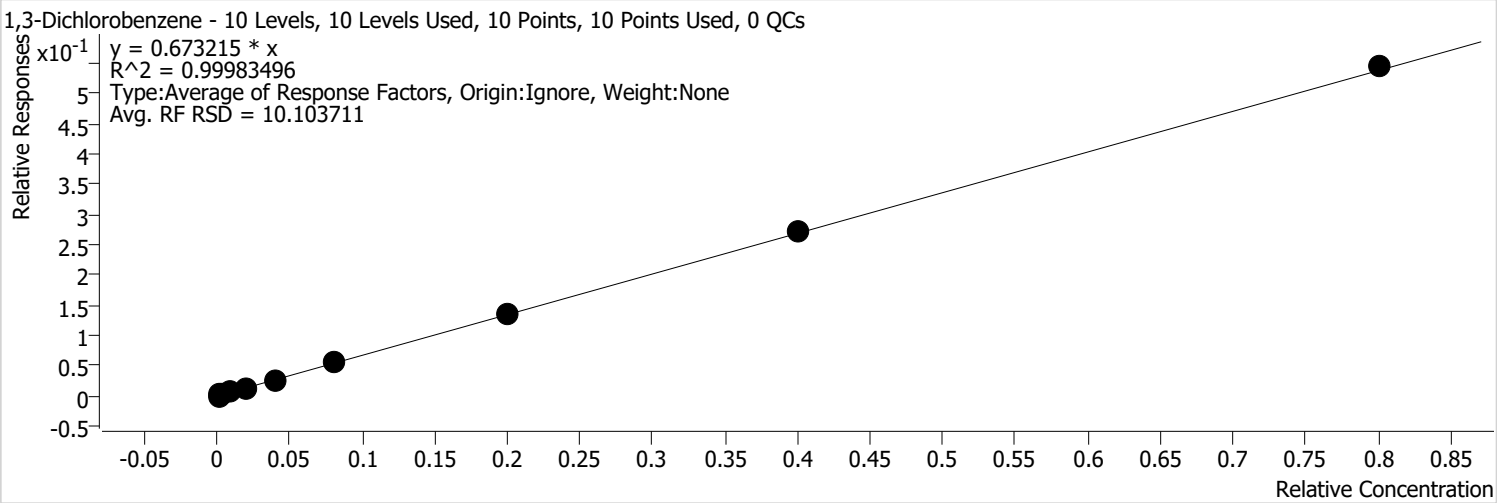
sec-Butylbenzene %RSE = 10.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		698	0.0050	2.7162	
D:\GC-27\DATA\021325\021320.D	Calibration	2		736	0.0100	1.4316	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	4045	0.0500	1.5644	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	5654	0.1000	1.0979	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	11528	0.2000	1.1372	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	30242	0.5000	1.1786	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	50586	1.0000	0.9903	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	108490	2.0000	1.0684	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	296599	5.0000	1.1393	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	622618	10.0000	1.1875	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	1291285	20.0000	1.2331	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

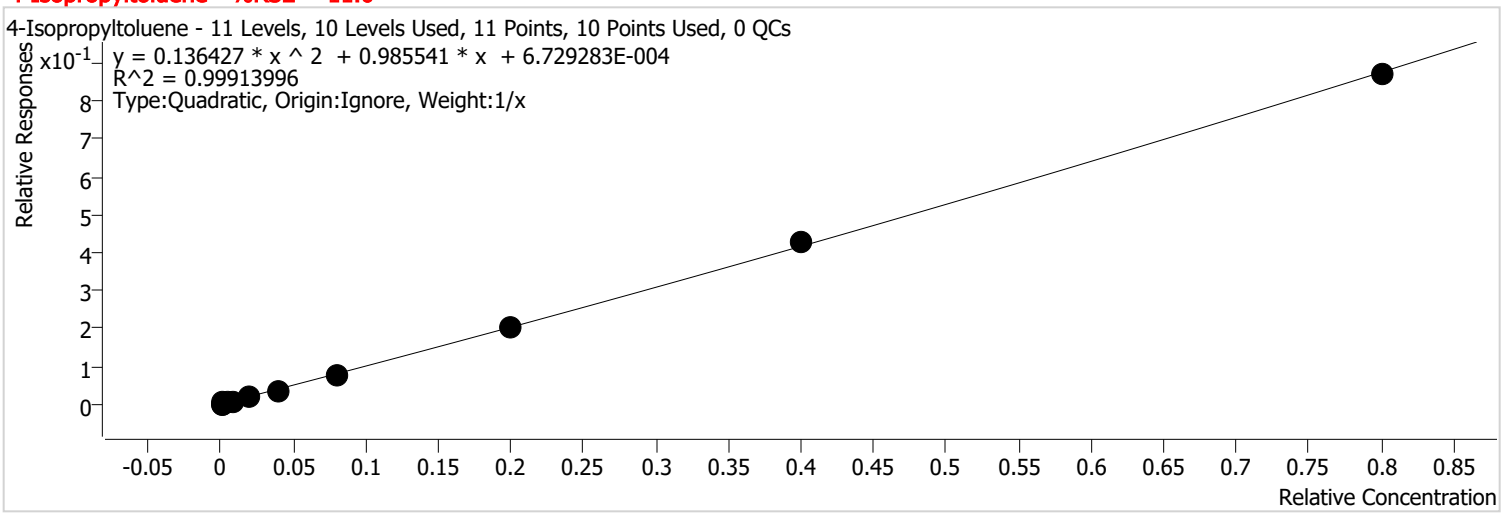
1,3-Dichlorobenzene %RSE = 10.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	238	0.0100	0.5103	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	1802	0.0500	0.7630	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	3177	0.1000	0.6730	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	7137	0.2000	0.7503	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	15713	0.5000	0.6757	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	31444	1.0000	0.6452	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	65124	2.0000	0.6878	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	165156	5.0000	0.6684	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	347526	10.0000	0.6773	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	713206	20.0000	0.6811	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
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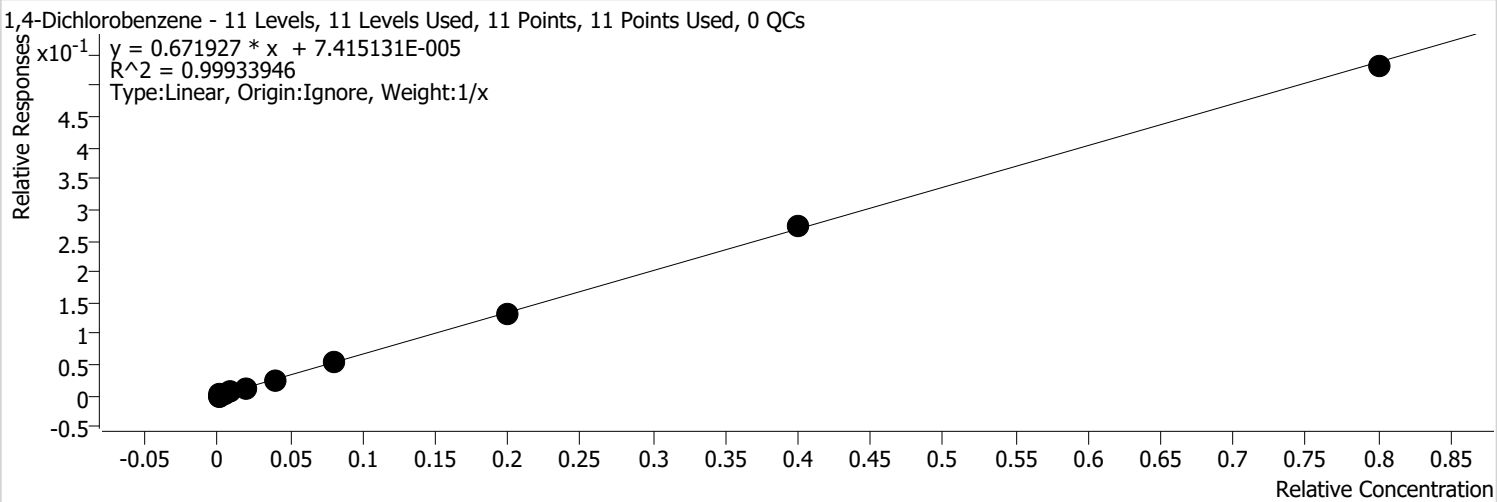
4-Isopropyltoluene %RSE = 11.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		1533	0.0050	5.9643	
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	1346	0.0100	2.6181	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	4052	0.0500	1.5672	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	5761	0.1000	1.1187	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	10597	0.2000	1.0453	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	26266	0.5000	1.0236	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	45028	1.0000	0.8815	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	98193	2.0000	0.9670	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	264600	5.0000	1.0164	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	565466	10.0000	1.0785	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	1138298	20.0000	1.0870	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

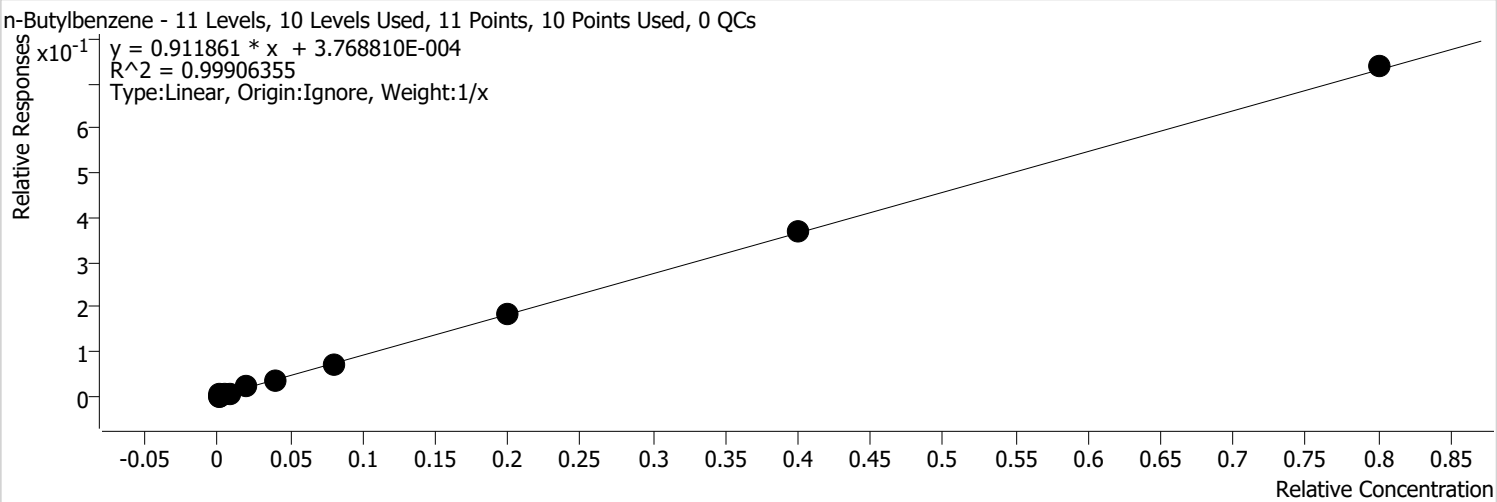
1,4-Dichlorobenzene %RSE = 33.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1	x	115	0.0050	0.4800	
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	537	0.0100	1.1517	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	2238	0.0500	0.9475	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	3430	0.1000	0.7267	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	6222	0.2000	0.6541	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	15644	0.5000	0.6727	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	32336	1.0000	0.6635	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	66748	2.0000	0.7050	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	165444	5.0000	0.6695	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	352001	10.0000	0.6860	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	693853	20.0000	0.6626	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

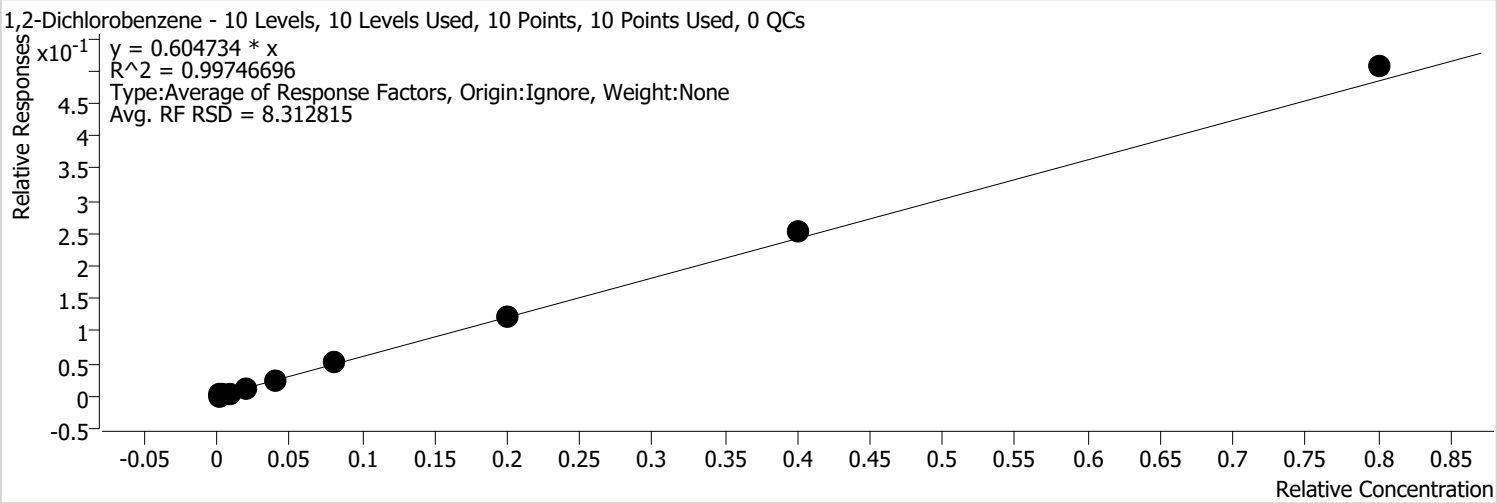
n-Butylbenzene %RSE = 11.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		1484	0.0050	6.2072	
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	869	0.0100	1.8632	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	3158	0.0500	1.3372	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	4291	0.1000	0.9090	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	8779	0.2000	0.9230	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	23004	0.5000	0.9893	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	38803	1.0000	0.7962	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	81538	2.0000	0.8612	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	224230	5.0000	0.9074	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	471559	10.0000	0.9190	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	964807	20.0000	0.9214	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
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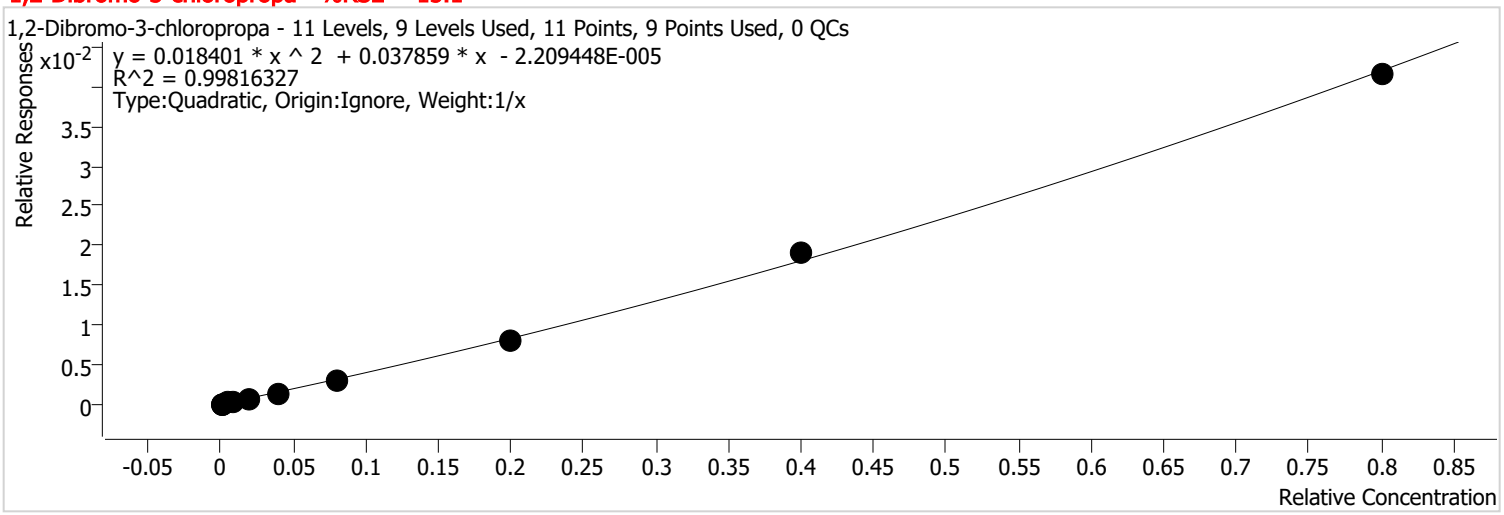
1,2-Dichlorobenzene %RSE = 8.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	236	0.0100	0.5058	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	1645	0.0500	0.6967	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	2795	0.1000	0.5922	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	5713	0.2000	0.6006	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	13460	0.5000	0.5788	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	27581	1.0000	0.5659	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	59404	2.0000	0.6274	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	151971	5.0000	0.6150	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	324622	10.0000	0.6327	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	661943	20.0000	0.6321	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
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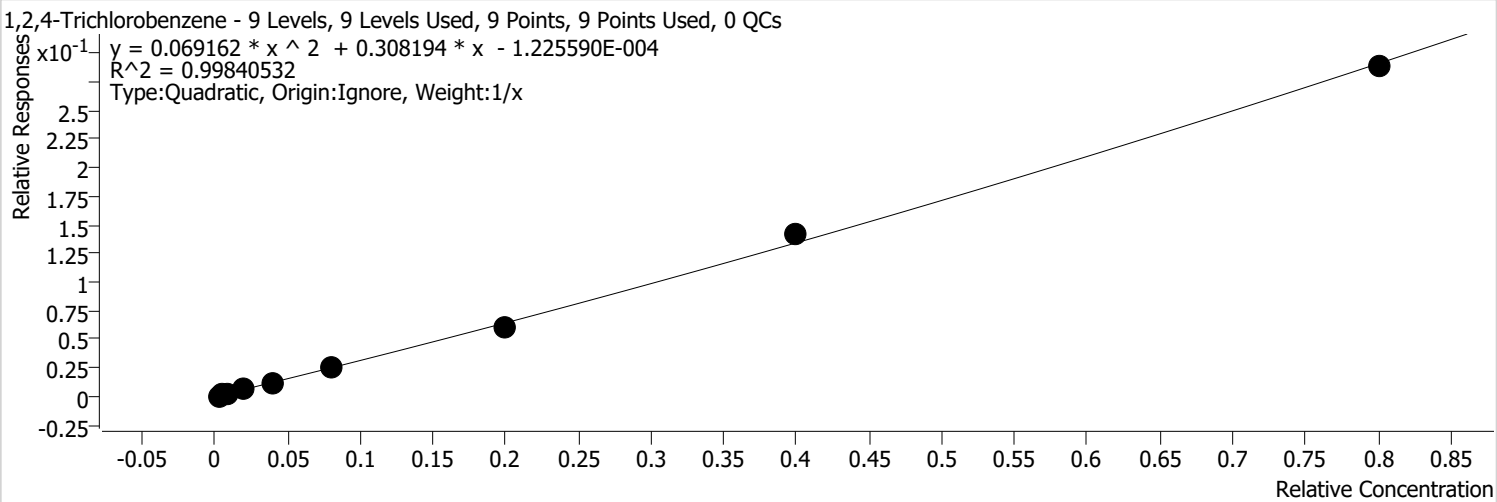
1,2-Dibromo-3-chloropropa %RSE = 15.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		24	0.0050	0.1015	
D:\GC-27\DATA\021325\021320.D	Calibration	2		48	0.0100	0.1038	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	88	0.0500	0.0371	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	169	0.1000	0.0358	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	325	0.2000	0.0342	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	707	0.5000	0.0304	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	1584	1.0000	0.0325	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	3548	2.0000	0.0375	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	9999	5.0000	0.0405	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	24645	10.0000	0.0480	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	54377	20.0000	0.0519	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
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Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

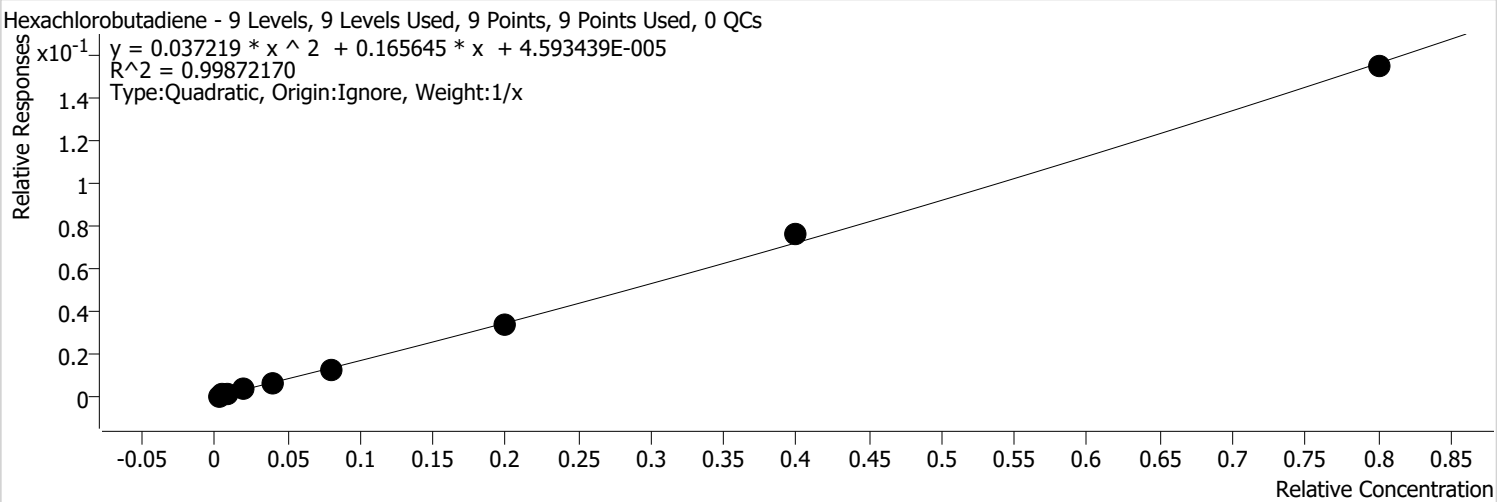
1,2,4-Trichlorobenzene %RSE = 5.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	599	0.0500	0.2537	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1417	0.1000	0.3001	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	2817	0.2000	0.2962	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	6817	0.5000	0.2931	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	14101	1.0000	0.2893	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	29902	2.0000	0.3158	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	73829	5.0000	0.2988	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	182215	10.0000	0.3551	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	376876	20.0000	0.3599	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
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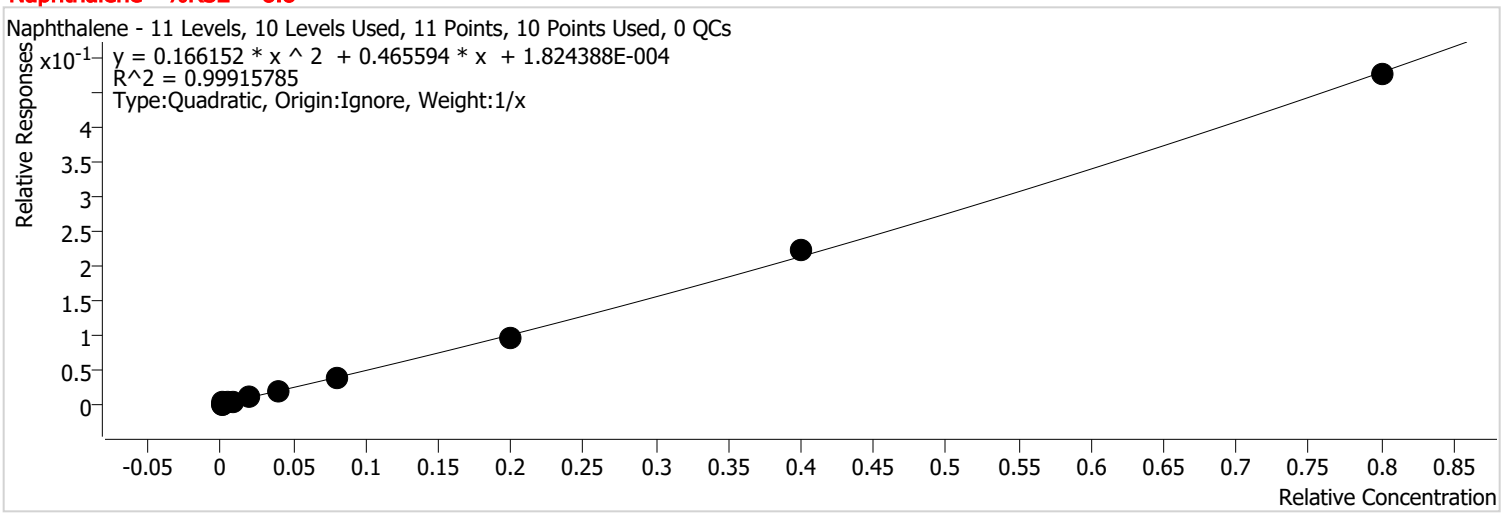
Hexachlorobutadiene %RSE = 11.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	533	0.0500	0.2259	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	833	0.1000	0.1764	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	1515	0.2000	0.1593	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	3891	0.5000	0.1673	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	7333	1.0000	0.1505	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	15216	2.0000	0.1607	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	41866	5.0000	0.1694	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	97628	10.0000	0.1903	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	202567	20.0000	0.1934	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:39 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

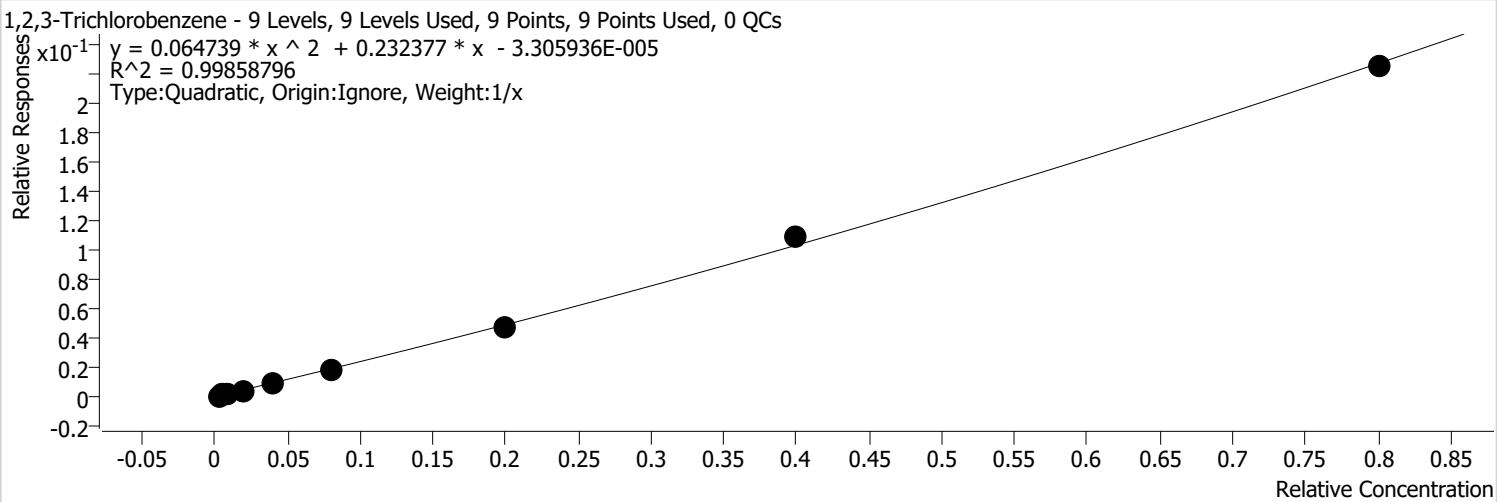
Naphthalene %RSE = 8.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021319.D	Calibration	1		424	0.0050	1.7735	
D:\GC-27\DATA\021325\021320.D	Calibration	2	x	466	0.0100	0.9988	
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	1213	0.0500	0.5136	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	2345	0.1000	0.4967	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	4988	0.2000	0.5244	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	10188	0.5000	0.4381	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	23468	1.0000	0.4815	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	44039	2.0000	0.4651	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	118262	5.0000	0.4786	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	285455	10.0000	0.5563	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	622300	20.0000	0.5943	

Batch Path	D:\GC-27\DATA\021325\QuantResults\voc s ss ical.batch.bin		
Analysis Time	2/19/2025 9:04 AM	**Analyst Name**	FA\GC27
Report Time	2/19/2025 9:05:39 AM	**Reporter Name**	FA\GC27
Last Calib Update	2/19/2025 9:03 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,2,3-Trichlorobenzene %RSE = 7.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\021325\021321.D	Calibration	3	x	558	0.0500	0.2364	
D:\GC-27\DATA\021325\021322.D	Calibration	4	x	1036	0.1000	0.2195	
D:\GC-27\DATA\021325\021323.D	Calibration	5	x	2381	0.2000	0.2503	
D:\GC-27\DATA\021325\021324.D	Calibration	6	x	5019	0.5000	0.2158	
D:\GC-27\DATA\021325\021325.D	Calibration	7	x	10734	1.0000	0.2202	
D:\GC-27\DATA\021325\021326.D	Calibration	8	x	21818	2.0000	0.2304	
D:\GC-27\DATA\021325\021327.D	Calibration	9	x	57462	5.0000	0.2325	
D:\GC-27\DATA\021325\021328.D	Calibration	10	x	140239	10.0000	0.2733	
D:\GC-27\DATA\021325\021329.D	Calibration	11	x	294503	20.0000	0.2812	

SIM VOC Calibration

Date: 2/13/25

Analyst: KS

Instrument: 6027

Cal	ICV
8260 Standard: 30905	8260 Standard: 30298
1,4-Dioxane Standard: —	1,4-Dioxane Standard: —

IS/Surrogate 30341

Spike Conc. (ppb)	Intermediate Spike (uL)	Cal 8260 Spike (uL)	Cal Diox Spike (uL)	ICV 8260 Spike (uL)	ICV Diox Spike (uL)	Final Vol. (mL)	Comments
0.005	1.25	--	--	--	--	50	
0.01	2.50	--	--	--	--	50	
0.05	12.50	--	--	--	--	50	
0.1	25.00	--	--	--	--	50	
0.2	50.00	--	--	--	--	50	
0.5	125.00	--	--	--	--	50	
1	--	2.50	5.00	--	--	50	1,4-Dioxane not spiked
2	--	5.00	10.00	--	--	50	
5	--	12.50	25.00	--	--	50	
10	--	25.00	50.00	--	--	50	
20	--	50.00	100.00	--	--	50	
ICV (5 ppb)	--	--	--	12.50	25.00	50	

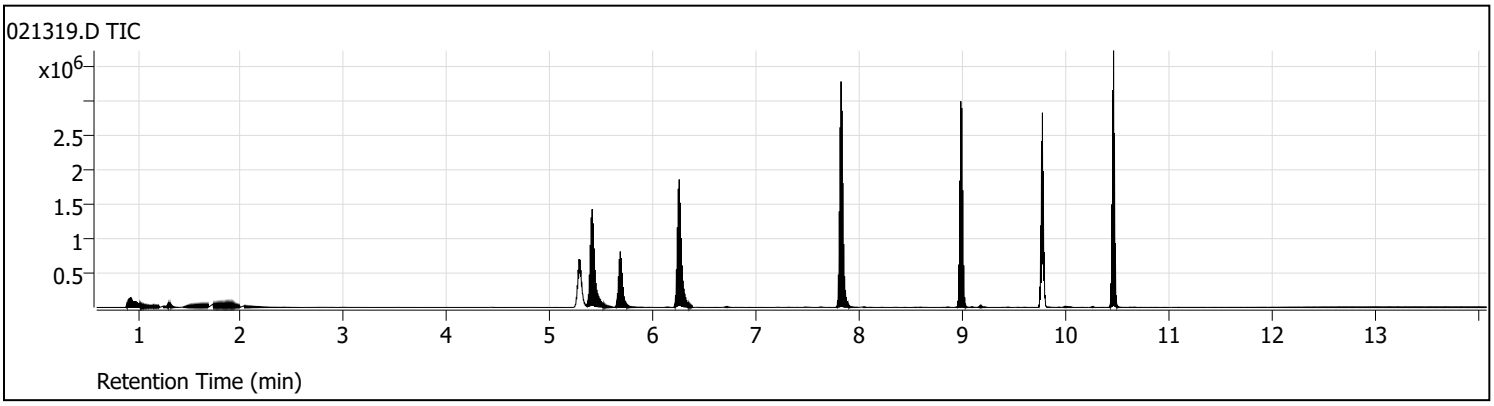
	8260 Cal (uL)	Diox Cal (uL)	P&T MeOH (uL)	Final Volume (mL)
Intermediate	10	20	970	1

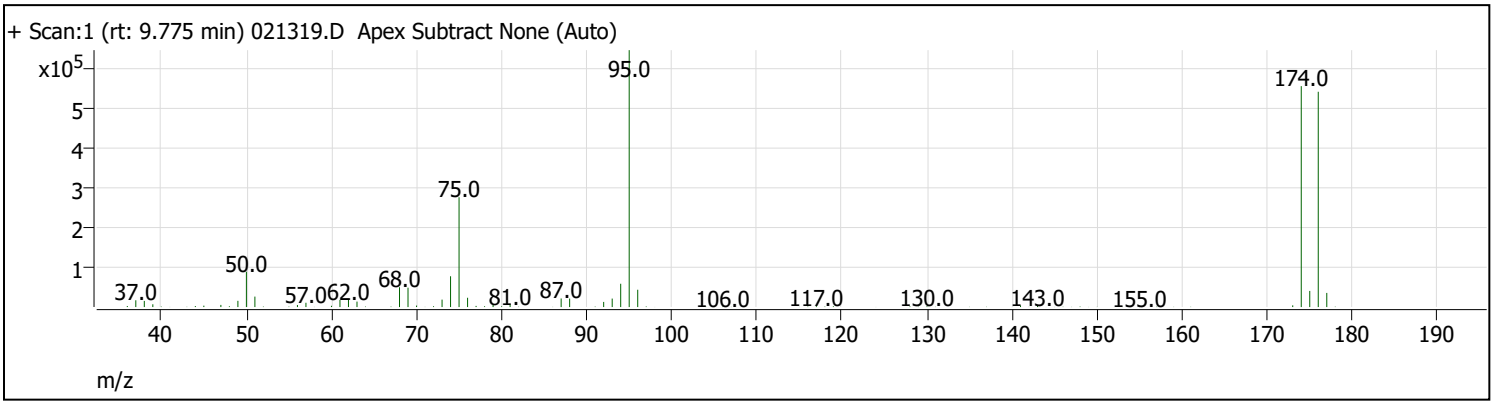
Signature and Date: [signature] 2/13/25

Tunes

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\021325\021319.D
Acq on:	2/13/2025 6:05:46 PM
Operator:	KJ/FG
Sample:	VOC S SS ICAL 1
Inst Name:	GC-27
ALS Vial:	10
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

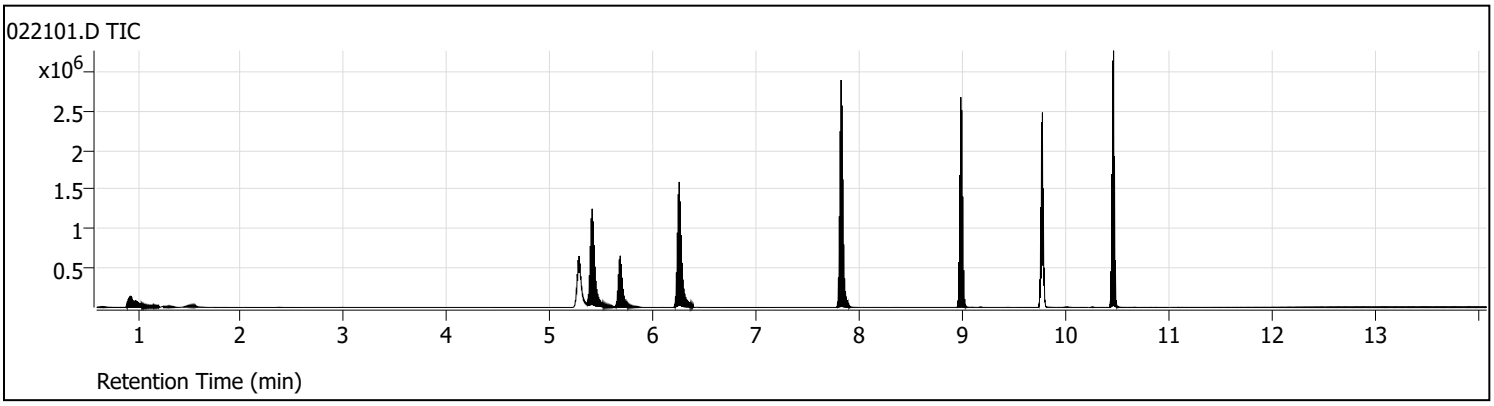


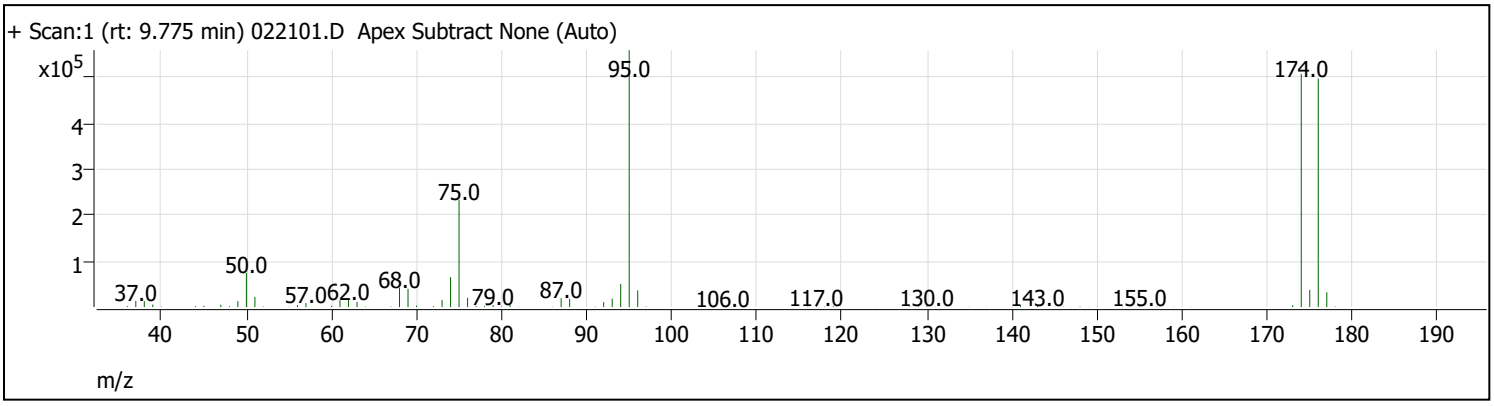


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	116.3	644209	Pass
96	95	5	9	6.7	43422	Pass
173	174	0	2	0.8	4276	Pass
174	95	50	200	86.0	554007	Pass
175	174	5	9	7.3	40444	Pass
176	174	95	105	97.4	539865	Pass
177	176	5	10	6.6	35472	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\022125\022101.D
Acq on:	2/21/2025 8:49:03 AM
Operator:	KJ/FG
Sample:	R
Inst Name:	GC-27
ALS Vial:	0
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

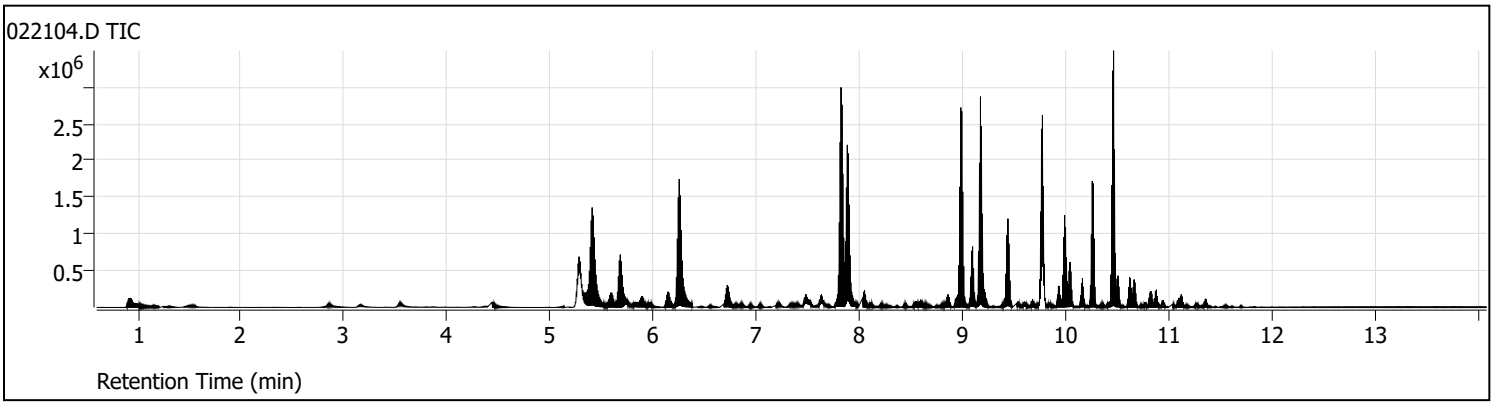


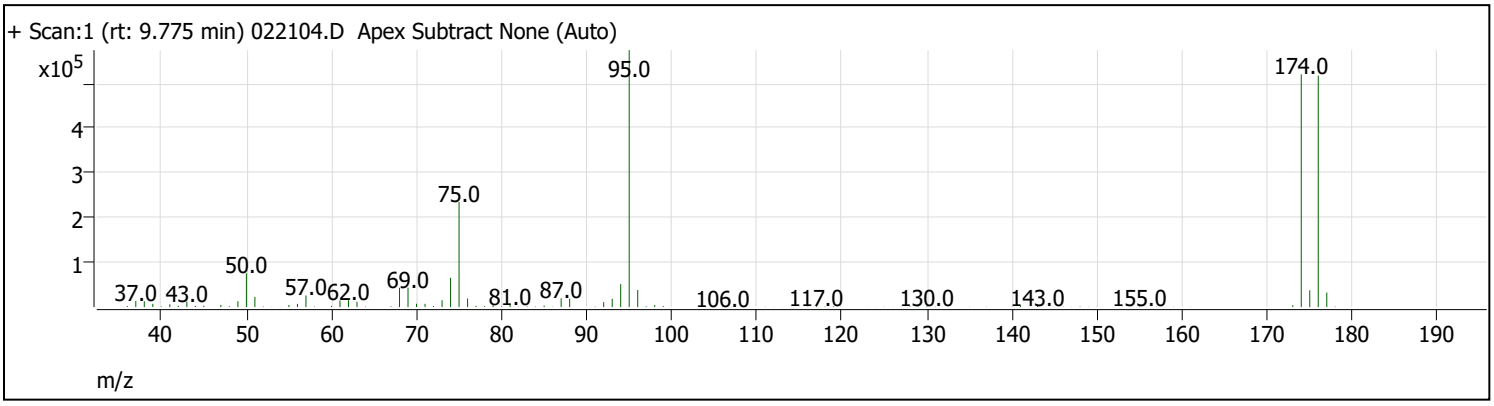


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	110.2	560428	Pass
96	95	5	9	6.5	36612	Pass
173	174	0	2	0.8	3868	Pass
174	95	50	200	90.8	508602	Pass
175	174	5	9	7.4	37428	Pass
176	174	95	105	98.0	498572	Pass
177	176	5	10	6.4	32121	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\022125\022104.D
Acq on:	2/21/2025 10:08:20 AM
Operator:	KJ/FG
Sample:	GX CCV
Inst Name:	GC-27
ALS Vial:	68
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	110.4	574686	Pass
96	95	5	9	6.6	38185	Pass
173	174	0	2	0.8	3942	Pass
174	95	50	200	90.6	520542	Pass
175	174	5	9	7.2	37439	Pass
176	174	95	105	99.5	517736	Pass
177	176	5	10	6.2	32346	Pass

Internal Standards

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-27_250224B

CCV Name: VOC S SS 97689

Run No: 97826

CCV SeqNo: 2038074

Lab File ID (Standard): 021327.D

Date Analyzed: 2/13/2025

Instrument ID: GC-27

Time Analyzed: 21:36

GC Column: ID (mm): Length (M):

		IS1 FBZ AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (14DCBZ) AREA #	RT #		
	12 HOUR STD	1884435	5.408	1301688	8.983	1235494	10.465		
	UPPER LIMIT	3768870	5.908	2603376	9.483	2470988	10.965		
	LOWER LIMIT	942218	4.908	650844	8.483	617747	9.965		
	SAMPLE NO.								
01	SIM W CCV 46825A	1.70347e+006	5.408	1.15497e+006	8.983	1.20176e+006	10.465		
02	SIM W CCV 46825B	1.61302e+006	5.407	1.10182e+006	8.983	1.13137e+006	10.465		

IS1 FBZ = Fluorobenzene

IS2 (CBZ) = Chlorobenzene-d5

IS3 (14DCBZ) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-27_250224B

CCV Name: SIM W CCV 46825A

Run No: 97826

CCV SeqNo: 2038064

Lab File ID (Standard): 022102.D

Date Analyzed: 2/21/2025

Instrument ID: GC-27

Time Analyzed: 9:15

GC Column: ID (mm): Length (M):

		IS1 FBZ AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (14DCBZ) AREA #	RT #		
	12 HOUR STD	1703466	5.408	1154973	8.983	1201763	10.465		
	UPPER LIMIT	3406932	5.908	2309946	9.483	2403526	10.965		
	LOWER LIMIT	851733	4.908	577487	8.483	600882	9.965		
	SAMPLE NO.								
01	LCS-46845	1.70347e+006	5.408	1.15497e+006	8.983	1.20176e+006	10.465		
02	MB-46845	1.6518e+006	5.407	1.14329e+006	8.983	1.12522e+006	10.465		
03	2502393-005A	1.61799e+006	5.408	1.09221e+006	8.983	1.06625e+006	10.465		
04	2502393-001A	1.64199e+006	5.408	1.14653e+006	8.983	1.09889e+006	10.465		
05	2502393-002A	1.65508e+006	5.408	1.13942e+006	8.983	1.10151e+006	10.465		
06	2502393-003A	1.59341e+006	5.407	1.11848e+006	8.984	1.09582e+006	10.465		
07	2502393-004A	1.62169e+006	5.408	1.11519e+006	8.983	1.09553e+006	10.465		
08	2502393-004ADUP	1.61002e+006	5.407	1.0905e+006	8.983	1.04019e+006	10.465		

IS1 FBZ = Fluorobenzene

IS2 (CBZ) = Chlorobenzene-d5

IS3 (14DCBZ) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

Supporting Data

VOC SIM Prep Bench Sheet

Analyst:	Lina Davidson
Date and Time:	2/24/25
Batch:	462415

Spikes / Chemicals / Reagents	Omega ID	Amount Used	Final Volume
VOC Standard 20 µg/mL (LCS/LCSD)	309104	12.5 µL	50 mL
1,4-Dioxane Standard 2,000 µg/mL (LCS/LCSD)	N/A	25 µL	
VOC Standard 20 µg/mL (MS/MSD)	309104	10.75 µL	43 mL
1,4-Dioxane Standard 2,000 µg/mL (MS/MSD)	N/A	12.5 µL	
Methanol (if applicable)			
OIX LCS	309832	10 µL	50 mL

Notes/Modifications

Batch accepted
2/24/25
by KS

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date

Equipment	
Pipette:	
Balance:	
Other:	

Dilutions

Sample ID	Dilution Description

Sign and date below if you contributed to the preparation of this batch

2/24/25

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **2/21/2025 4:23:36 P**
Prep End Date:
Technician: **Kelsey Jones**

Prep Factor Units:
mL / mL

Prep Batch ID: **46845** Prep Code: **PREP-5030** Method No: **SW5030**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46845		Water	40	40	1.000	2/21/2025	Preliminary
LCS-46845		Water	40	40	1.000	2/21/2025	Preliminary
2502393-001A	GEI-11_022025	Water	40	40	1.000	2/21/2025	Preliminary
2502393-002A	GEI-12_022025	Water	40	40	1.000	2/21/2025	Preliminary
2502393-003A	GEI-13_022025	Water	40	40	1.000	2/21/2025	Preliminary
2502393-004A	GEI-DUP_022025	Water	40	40	1.000	2/21/2025	Preliminary
2502393-004ADUP		Water	40	40	1.000	2/21/2025	Preliminary
2502393-005A	Trip Blank-022025	Water	40	40	1.000	2/21/2025	Preliminary

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **2/21/2025 4:23:36 P**
Prep End Date: **2/21/2025 5:00:00 P**
Technician: **Kelsey Jones**

Prep Factor Units:
mL / mL

Prep Batch ID: **46845** Prep Code: **PREP-5030** Method No: **SW5030**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-46845		Water	40	40	1.000	2/21/2025	2/21/2025
LCS-46845		Water	40	40	1.000	2/21/2025	2/21/2025
2502393-001A	GEI-11_022025	Water	40	40	1.000	2/21/2025	2/21/2025
2502393-002A	GEI-12_022025	Water	40	40	1.000	2/21/2025	2/21/2025
2502393-003A	GEI-13_022025	Water	40	40	1.000	2/21/2025	2/21/2025
2502393-004A	GEI-DUP_022025	Water	40	40	1.000	2/21/2025	2/21/2025
2502393-004ADUP		Water	40	40	1.000	2/21/2025	2/21/2025
2502393-005A	Trip Blank-022025	Water	40	40	1.000	2/21/2025	2/21/2025

Reporting Checklist

Analyst: Lina Davidson
Workorder(s): 2502393
Date: 2/24/25
Prep #: 46845
Run(s) #: 97824
Analysis: O-VOC-W-SS

Y/N		Reviewed
Y	**Run complete? (i.e., all QC, samples, dilutions present)**	✔
Y	**All QC within limits?** [ ] Exceedances acceptable per QA Manual and/or Auth'd by PM____?	✔
	☐CCV out ☐LCS out ☐MS out ☐Blank hits ☐IS/surr out ☐RPD out ☐Hold time ☐Other_____	
	[ ] Any pending dilutions, re-extracts, or reanalysis to be completed in future run?	
N/A	**Manual entries/narratives reviewed for accuracy? (note below)** Analyst: Reviewer:	
✔	**Omega checks performed?**	✔
✔	SampID, Test Code, Type, Prep	
	PMOIST, pH	
✔	BLKref, SPKref, RPDref, CCVref	
✔	Attachments	✔
	☑Sequence ☑Cgrams ☐Bench Sheets ☑Perf Checks ☑Tech Doc	
✔	Related Info	✔
	☑ICAL Ref ☑ICAL Ack/QA'd? ☑Spiking Info/CCV Std ☐_____	
✔	Reporting Checks	✔
	☐Dilutions data/narr redundancy check ☐RLs OK (low wt, high pmoist, dilutions)	

Notes for Reviewer

By signing, I attest that I have followed the SOP

LAD 2/24/25 — Analyst / Date

MG 2/24/2025 — Reviewer / Date

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

GeoEngineers
Robert Trahan
2101 4th Ave, Suite 950
Seattle, WA 98121

RE: 701/709 South Jackson, 24504-001-04
Work Order Number: 2505258

July 02, 2025

Attention Robert Trahan:

Alliance Technical Group, LLC - Seattle received 5 sample(s) on 5/13/2025 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx
Dissolved Metals by EPA 6020B
Gasoline by NWTPH-Gx
PAHs by EPA Method 8270E SIM
Total Metals by EPA 6020B
Volatile Organic Compounds by EPA 8260D

All analyses were performed according to our accredited Quality Assurance program. Please contact the laboratory if you should have any questions about the results.

Alliance Technical Group is committed to accuracy, speed, and customer service. Thank you for choosing Alliance Technical Group's Seattle laboratory team for your analytical needs. We appreciate this opportunity to serve you!

Sincerely,

Brianna Barnes
Project Manager

CC:
Javan Ruark

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.4 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Revision v2

Date: *07/02/2025*

CLIENT: GeoEngineers
Project: 701/709 South Jackson
Work Order: 2505258

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2505258-001	DUP-051225	05/12/2025 6:00 AM	05/13/2025 2:17 PM
2505258-002	GEI-11-051225	05/12/2025 12:55 PM	05/13/2025 2:17 PM
2505258-003	GEI-12-051225	05/12/2025 3:45 PM	05/13/2025 2:17 PM
2505258-004	GEI-13-051225	05/12/2025 5:15 PM	05/13/2025 2:17 PM
2505258-005	Trip Blank	05/12/2025 12:00 AM	05/13/2025 2:17 PM

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

Revision v2

Case Narrative

WO#: **2505258**

Date: **7/2/2025**

CLIENT: GeoEngineers

Project: 701/709 South Jackson

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.

Gasoline by NWTPH-Gx: The Trip Blank was inadvertently analyzed outside of a 12 hour CCV shift. Unfortunately there was no volume remaining for re-analysis. The associated client samples were non-detect for Gasoline, thus the Trip Blank results meet laboratory data quality objectives.

6/9/2025: Rev1 includes additional QC per the needs of the Tier 2B Data Package.
7/2/2025: Rev2 includes Toluene data for the Trip Blank, which was inadvertently omitted from the original report.

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: **2505258**
Date Reported: **7/2/2025**

Client: GeoEngineers
Collection Date: 5/12/2025 6:00:00 AM
Project: 701/709 South Jackson
Lab ID: 2505258-001
Matrix: Water
Client Sample ID: DUP-051225

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx				Batch ID: 47741		Analyst: AP
Diesel Range Organics	ND	95.5		µg/L	1	5/19/2025 7:44:33 PM
Heavy Oil	ND	143		µg/L	1	5/19/2025 7:44:33 PM
Total Petroleum Hydrocarbons	ND	239		µg/L	1	5/19/2025 7:44:33 PM
Surr: 2-Fluorobiphenyl	75.8	50 - 150		%Rec	1	5/19/2025 7:44:33 PM
Surr: o-Terphenyl	76.8	50 - 150		%Rec	1	5/19/2025 7:44:33 PM
PAHs by EPA Method 8270E SIM				Batch ID: 47743		Analyst: AP
Naphthalene	ND	0.0925		µg/L	1	5/17/2025 12:52:33 AM
2-Methylnaphthalene	ND	0.0925		µg/L	1	5/17/2025 12:52:33 AM
1-Methylnaphthalene	ND	0.0925		µg/L	1	5/17/2025 12:52:33 AM
Surr: 2-Fluorobiphenyl	115	35.8 - 144		%Rec	1	5/17/2025 12:52:33 AM
Surr: Terphenyl-d14	126	31.4 - 156		%Rec	1	5/17/2025 12:52:33 AM
Gasoline by NWTPH-Gx				Batch ID: 47802		Analyst: KJ
Gasoline Range Organics	ND	50.0		µg/L	1	5/20/2025 4:12:22 PM
Surr: Toluene-d8	104	65 - 135		%Rec	1	5/20/2025 4:12:22 PM
Surr: 4-Bromofluorobenzene	115	65 - 135		%Rec	1	5/20/2025 4:12:22 PM
Volatile Organic Compounds by EPA 8260D				Batch ID: 47744		Analyst: KJ
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	5/16/2025 10:07:53 PM
1,2-Dichloroethane (EDC)	ND	0.200		µg/L	1	5/16/2025 10:07:53 PM
Benzene	ND	0.100		µg/L	1	5/16/2025 10:07:53 PM
Toluene	ND	0.100		µg/L	1	5/16/2025 10:07:53 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	5/16/2025 10:07:53 PM
Ethylbenzene	ND	0.100		µg/L	1	5/16/2025 10:07:53 PM
m,p-Xylene	ND	0.200		µg/L	1	5/16/2025 10:07:53 PM
o-Xylene	ND	0.100		µg/L	1	5/16/2025 10:07:53 PM
Xylenes, Total	ND	0.300		µg/L	1	5/16/2025 10:07:53 PM
Surr: Dibromofluoromethane	98.1	70 - 130		%Rec	1	5/16/2025 10:07:53 PM
Surr: Toluene-d8	95.6	70 - 130		%Rec	1	5/16/2025 10:07:53 PM
Surr: 1-Bromo-4-fluorobenzene	99.1	70 - 130		%Rec	1	5/16/2025 10:07:53 PM
Dissolved Metals by EPA 6020B				Batch ID: 47730		Analyst: ME
Lead	ND	0.300		µg/L	1	5/15/2025 3:58:00 PM

Analytical Report

Work Order: **2505258**
Date Reported: **7/2/2025**

Client: GeoEngineers
Project: 701/709 South Jackson
Lab ID: 2505258-001
Client Sample ID: **DUP-051225**

Collection Date: 5/12/2025 6:00:00 AM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA 6020B				Batch ID: 47729		Analyst: ME
Lead	ND	0.300		µg/L	1	5/15/2025 2:00:00 PM

Client: GeoEngineers
Project: 701/709 South Jackson
Lab ID: 2505258-002
Client Sample ID: **GEI-11-051225**

Collection Date: 5/12/2025 12:55:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx				Batch ID: 47741		Analyst: AP
Diesel Range Organics	ND	92.8		µg/L	1	5/19/2025 7:56:02 PM
Heavy Oil	ND	139		µg/L	1	5/19/2025 7:56:02 PM
Total Petroleum Hydrocarbons	ND	232		µg/L	1	5/19/2025 7:56:02 PM
Surr: 2-Fluorobiphenyl	71.9	50 - 150		%Rec	1	5/19/2025 7:56:02 PM
Surr: o-Terphenyl	74.8	50 - 150		%Rec	1	5/19/2025 7:56:02 PM
PAHs by EPA Method 8270E SIM				Batch ID: 47743		Analyst: AP
Naphthalene	ND	0.0910		µg/L	1	5/17/2025 1:08:22 AM
2-Methylnaphthalene	ND	0.0910		µg/L	1	5/17/2025 1:08:22 AM
1-Methylnaphthalene	ND	0.0910		µg/L	1	5/17/2025 1:08:22 AM
Surr: 2-Fluorobiphenyl	112	35.8 - 144		%Rec	1	5/17/2025 1:08:22 AM
Surr: Terphenyl-d14	127	31.4 - 156		%Rec	1	5/17/2025 1:08:22 AM
Gasoline by NWTPH-Gx				Batch ID: 47802		Analyst: KJ
Gasoline Range Organics	ND	50.0		µg/L	1	5/20/2025 4:37:42 PM
Surr: Toluene-d8	107	65 - 135		%Rec	1	5/20/2025 4:37:42 PM
Surr: 4-Bromofluorobenzene	119	65 - 135		%Rec	1	5/20/2025 4:37:42 PM
Volatile Organic Compounds by EPA 8260D				Batch ID: 47744		Analyst: KJ
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	5/16/2025 10:34:18 PM
1,2-Dichloroethane (EDC)	ND	0.200		µg/L	1	5/16/2025 10:34:18 PM
Benzene	ND	0.100		µg/L	1	5/16/2025 10:34:18 PM
Toluene	ND	0.100		µg/L	1	5/16/2025 10:34:18 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	5/16/2025 10:34:18 PM
Ethylbenzene	ND	0.100		µg/L	1	5/16/2025 10:34:18 PM
m,p-Xylene	ND	0.200		µg/L	1	5/16/2025 10:34:18 PM
o-Xylene	ND	0.100		µg/L	1	5/16/2025 10:34:18 PM
Xylenes, Total	ND	0.300		µg/L	1	5/16/2025 10:34:18 PM
Surr: Dibromofluoromethane	107	70 - 130		%Rec	1	5/16/2025 10:34:18 PM
Surr: Toluene-d8	129	70 - 130		%Rec	1	5/16/2025 10:34:18 PM
Surr: 1-Bromo-4-fluorobenzene	98.0	70 - 130		%Rec	1	5/16/2025 10:34:18 PM
Dissolved Metals by EPA 6020B				Batch ID: 47730		Analyst: ME
Lead	ND	0.300		µg/L	1	5/15/2025 4:10:00 PM

Analytical Report

Work Order: **2505258**
Date Reported: **7/2/2025**

Client: GeoEngineers
Project: 701/709 South Jackson
Lab ID: 2505258-002
Client Sample ID: **GEI-11-051225**

Collection Date: 5/12/2025 12:55:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA 6020B				Batch ID: 47729		Analyst: ME
Lead	ND	0.300		µg/L	1	5/15/2025 2:15:00 PM

Analytical Report

Work Order: **2505258**
Date Reported: **7/2/2025**

Client: GeoEngineers
Project: 701/709 South Jackson
Lab ID: 2505258-003
Client Sample ID: **GEI-12-051225**

Collection Date: 5/12/2025 3:45:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx				Batch ID: 47741		Analyst: AP
Diesel Range Organics	ND	92.8		µg/L	1	5/19/2025 8:07:35 PM
Heavy Oil	ND	139		µg/L	1	5/19/2025 8:07:35 PM
Total Petroleum Hydrocarbons	ND	232		µg/L	1	5/19/2025 8:07:35 PM
Surr: 2-Fluorobiphenyl	71.1	50 - 150		%Rec	1	5/19/2025 8:07:35 PM
Surr: o-Terphenyl	75.6	50 - 150		%Rec	1	5/19/2025 8:07:35 PM
PAHs by EPA Method 8270E SIM				Batch ID: 47743		Analyst: AP
Naphthalene	ND	0.0931		µg/L	1	5/17/2025 1:24:17 AM
2-Methylnaphthalene	ND	0.0931		µg/L	1	5/17/2025 1:24:17 AM
1-Methylnaphthalene	ND	0.0931		µg/L	1	5/17/2025 1:24:17 AM
Surr: 2-Fluorobiphenyl	120	35.8 - 144		%Rec	1	5/17/2025 1:24:17 AM
Surr: Terphenyl-d14	131	31.4 - 156		%Rec	1	5/17/2025 1:24:17 AM
Gasoline by NWTPH-Gx				Batch ID: 47802		Analyst: KJ
Gasoline Range Organics	ND	50.0		µg/L	1	5/20/2025 5:02:59 PM
Surr: Toluene-d8	106	65 - 135		%Rec	1	5/20/2025 5:02:59 PM
Surr: 4-Bromofluorobenzene	119	65 - 135		%Rec	1	5/20/2025 5:02:59 PM
Volatile Organic Compounds by EPA 8260D				Batch ID: 47744		Analyst: KJ
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	5/16/2025 11:00:41 PM
1,2-Dichloroethane (EDC)	ND	0.200		µg/L	1	5/16/2025 11:00:41 PM
Benzene	ND	0.100		µg/L	1	5/16/2025 11:00:41 PM
Toluene	ND	0.100		µg/L	1	5/16/2025 11:00:41 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	5/16/2025 11:00:41 PM
Ethylbenzene	ND	0.100		µg/L	1	5/16/2025 11:00:41 PM
m,p-Xylene	ND	0.200		µg/L	1	5/16/2025 11:00:41 PM
o-Xylene	ND	0.100		µg/L	1	5/16/2025 11:00:41 PM
Xylenes, Total	ND	0.300		µg/L	1	5/16/2025 11:00:41 PM
Surr: Dibromofluoromethane	103	70 - 130		%Rec	1	5/16/2025 11:00:41 PM
Surr: Toluene-d8	103	70 - 130		%Rec	1	5/16/2025 11:00:41 PM
Surr: 1-Bromo-4-fluorobenzene	104	70 - 130		%Rec	1	5/16/2025 11:00:41 PM
Dissolved Metals by EPA 6020B				Batch ID: 47730		Analyst: ME
Lead	ND	0.300		µg/L	1	5/15/2025 4:14:00 PM

Client: GeoEngineers
Project: 701/709 South Jackson
Lab ID: 2505258-003
Client Sample ID: **GEI-12-051225**

Collection Date: 5/12/2025 3:45:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA 6020B				Batch ID: 47729		Analyst: ME
Lead	ND	0.300		µg/L	1	5/15/2025 2:19:00 PM

Client: GeoEngineers
Project: 701/709 South Jackson
Lab ID: 2505258-004
Client Sample ID: **GEI-13-051225**

Collection Date: 5/12/2025 5:15:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx				Batch ID: 47741		Analyst: AP
Diesel Range Organics	ND	94.1		µg/L	1	5/19/2025 8:19:09 PM
Heavy Oil	ND	141		µg/L	1	5/19/2025 8:19:09 PM
Total Petroleum Hydrocarbons	ND	235		µg/L	1	5/19/2025 8:19:09 PM
Surr: 2-Fluorobiphenyl	79.3	50 - 150		%Rec	1	5/19/2025 8:19:09 PM
Surr: o-Terphenyl	79.6	50 - 150		%Rec	1	5/19/2025 8:19:09 PM
PAHs by EPA Method 8270E SIM				Batch ID: 47743		Analyst: AP
Naphthalene	ND	0.0937		µg/L	1	5/17/2025 1:40:08 AM
2-Methylnaphthalene	ND	0.0937		µg/L	1	5/17/2025 1:40:08 AM
1-Methylnaphthalene	ND	0.0937		µg/L	1	5/17/2025 1:40:08 AM
Surr: 2-Fluorobiphenyl	124	35.8 - 144		%Rec	1	5/17/2025 1:40:08 AM
Surr: Terphenyl-d14	141	31.4 - 156		%Rec	1	5/17/2025 1:40:08 AM
Gasoline by NWTPH-Gx				Batch ID: 47802		Analyst: KJ
Gasoline Range Organics	ND	50.0		µg/L	1	5/20/2025 5:28:16 PM
Surr: Toluene-d8	105	65 - 135		%Rec	1	5/20/2025 5:28:16 PM
Surr: 4-Bromofluorobenzene	118	65 - 135		%Rec	1	5/20/2025 5:28:16 PM
Volatile Organic Compounds by EPA 8260D				Batch ID: 47744		Analyst: KJ
Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	5/16/2025 11:27:06 PM
1,2-Dichloroethane (EDC)	ND	0.200		µg/L	1	5/16/2025 11:27:06 PM
Benzene	ND	0.100		µg/L	1	5/16/2025 11:27:06 PM
Toluene	ND	0.100		µg/L	1	5/16/2025 11:27:06 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	5/16/2025 11:27:06 PM
Ethylbenzene	ND	0.100		µg/L	1	5/16/2025 11:27:06 PM
m,p-Xylene	ND	0.200		µg/L	1	5/16/2025 11:27:06 PM
o-Xylene	ND	0.100		µg/L	1	5/16/2025 11:27:06 PM
Xylenes, Total	ND	0.300		µg/L	1	5/16/2025 11:27:06 PM
Surr: Dibromofluoromethane	98.7	70 - 130		%Rec	1	5/16/2025 11:27:06 PM
Surr: Toluene-d8	95.6	70 - 130		%Rec	1	5/16/2025 11:27:06 PM
Surr: 1-Bromo-4-fluorobenzene	91.1	70 - 130		%Rec	1	5/16/2025 11:27:06 PM
Dissolved Metals by EPA 6020B				Batch ID: 47730		Analyst: ME
Lead	ND	0.300		µg/L	1	5/15/2025 4:17:00 PM

Client: GeoEngineers
Project: 701/709 South Jackson
Lab ID: 2505258-004
Client Sample ID: **GEI-13-051225**

Collection Date: 5/12/2025 5:15:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA 6020B				Batch ID: 47729		Analyst: ME
Lead	ND	0.300		µg/L	1	5/15/2025 2:22:00 PM

Analytical Report

Work Order: **2505258**
Date Reported: **7/2/2025**

Client: GeoEngineers
Project: 701/709 South Jackson
Lab ID: 2505258-005
Client Sample ID: **Trip Blank**

Collection Date: 5/12/2025
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 47744		Analyst: KJ
Gasoline Range Organics	ND	50.0		µg/L	1	5/16/2025 9:15:04 PM
Surr: Toluene-d8	97.8	65 - 135		%Rec	1	5/16/2025 9:15:04 PM
Surr: 4-Bromofluorobenzene	98.1	65 - 135		%Rec	1	5/16/2025 9:15:04 PM
Volatile Organic Compounds by EPA 8260D				Batch ID: 47744		Analyst: KJ
Benzene	ND	0.100		µg/L	1	5/16/2025 9:15:04 PM
Toluene	ND	0.100		µg/L	1	5/16/2025 9:15:04 PM
Ethylbenzene	ND	0.100		µg/L	1	5/16/2025 9:15:04 PM
m,p-Xylene	ND	0.200		µg/L	1	5/16/2025 9:15:04 PM
o-Xylene	ND	0.100		µg/L	1	5/16/2025 9:15:04 PM
Xylenes, Total	ND	0.300		µg/L	1	5/16/2025 9:15:04 PM
Surr: Dibromofluoromethane	98.4	70 - 130		%Rec	1	5/16/2025 9:15:04 PM
Surr: Toluene-d8	116	70 - 130		%Rec	1	5/16/2025 9:15:04 PM
Surr: 1-Bromo-4-fluorobenzene	98.6	70 - 130		%Rec	1	5/16/2025 9:15:04 PM

Work Order: 2505258
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Dissolved Metals by EPA 6020B

Sample ID: **ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **5/15/2025**	RunNo: **99796**
Client ID: **ICB**	Batch ID: **R99796**		Analysis Date: **5/15/2025**	SeqNo: **2078816**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **ICV**	SampType: **ICV**	Units: **µg/L**	Prep Date: **5/15/2025**	RunNo: **99796**
Client ID: **ICV**	Batch ID: **R99796**		Analysis Date: **5/15/2025**	SeqNo: **2078817**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.8	0.300	50.00	0	97.5	90	110				

Sample ID: **ICSA**	SampType: **ICSA**	Units: **µg/L**	Prep Date: **5/15/2025**	RunNo: **99796**
Client ID: **ICSA**	Batch ID: **R99796**		Analysis Date: **5/15/2025**	SeqNo: **2078818**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300	0.6120	0	2.29		100				

Sample ID: **CCV-A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **5/15/2025**	RunNo: **99796**
Client ID: **CCV**	Batch ID: **R99796**		Analysis Date: **5/15/2025**	SeqNo: **2078819**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	53.3	0.300	50.00	0	107	90	110				

Sample ID: **CCB-A**	SampType: **CCB**	Units: **µg/L**	Prep Date: **5/15/2025**	RunNo: **99796**
Client ID: **CCB**	Batch ID: **R99796**		Analysis Date: **5/15/2025**	SeqNo: **2078820**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Work Order: 2505258
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Dissolved Metals by EPA 6020B

Sample ID: **MB-47730**	SampType: **MBLK**			Units: **µg/L**		Prep Date: **5/15/2025**		RunNo: **99796**		
Client ID: **MBLKW**	Batch ID: **47730**					Analysis Date: **5/15/2025**		SeqNo: **2078824**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **LCS-47730**	SampType: **LCS**			Units: **µg/L**		Prep Date: **5/15/2025**		RunNo: **99796**		
Client ID: **LCSW**	Batch ID: **47730**					Analysis Date: **5/15/2025**		SeqNo: **2078826**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	51.9	0.300	50.00	0	104	80	120				

Sample ID: **2505258-001DMS**	SampType: **MS**			Units: **µg/L**		Prep Date: **5/15/2025**		RunNo: **99796**		
Client ID: **DUP-051225**	Batch ID: **47730**					Analysis Date: **5/15/2025**		SeqNo: **2078829**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	52.3	0.300	50.00	0	105	75	125				

Sample ID: **2505258-001DMSD**	SampType: **MSD**			Units: **µg/L**		Prep Date: **5/15/2025**		RunNo: **99796**		
Client ID: **DUP-051225**	Batch ID: **47730**					Analysis Date: **5/15/2025**		SeqNo: **2078831**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	57.2	0.300	50.00	0	114	75	125	52.34	8.86	20	

Sample ID: **CCV-B**	SampType: **CCV**			Units: **µg/L**		Prep Date: **5/15/2025**		RunNo: **99796**		
Client ID: **CCV**	Batch ID: **R99796**					Analysis Date: **5/15/2025**		SeqNo: **2078836**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	53.6	0.300	50.00	0	107	90	110				

Work Order: 2505258
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Dissolved Metals by EPA 6020B

Sample ID: **CCB-B** SampType: **CCB** Units: **µg/L** Prep Date: **5/15/2025** RunNo: **99796**
Client ID: **CCB** Batch ID: **R99796** Analysis Date: **5/15/2025** SeqNo: **2078837**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Work Order: 2505258
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: **ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **5/15/2025**	RunNo: **99794**
Client ID: **ICB**	Batch ID: **R99794**		Analysis Date: **5/15/2025**	SeqNo: **2078659**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **ICV**	SampType: **ICV**	Units: **µg/L**	Prep Date: **5/15/2025**	RunNo: **99794**
Client ID: **ICV**	Batch ID: **R99794**		Analysis Date: **5/15/2025**	SeqNo: **2078660**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.8	0.300	50.00	0	97.5	90	110				

Sample ID: **ICSA**	SampType: **ICSA**	Units: **µg/L**	Prep Date: **5/15/2025**	RunNo: **99794**
Client ID: **ICSA**	Batch ID: **R99794**		Analysis Date: **5/15/2025**	SeqNo: **2078661**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300	0.6120	0	2.29		100				

Sample ID: **CCV-A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **5/15/2025**	RunNo: **99794**
Client ID: **CCV**	Batch ID: **R99794**		Analysis Date: **5/15/2025**	SeqNo: **2078647**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	51.5	0.300	50.00	0	103	90	110				

Sample ID: **CCB-A**	SampType: **CCB**	Units: **µg/L**	Prep Date: **5/15/2025**	RunNo: **99794**
Client ID: **CCB**	Batch ID: **R99794**		Analysis Date: **5/15/2025**	SeqNo: **2078648**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Work Order: 2505258
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: **MB-47729**	SampType: **MBLK**			Units: **µg/L**		Prep Date: **5/15/2025**		RunNo: **99794**		
Client ID: **MBLKW**	Batch ID: **47729**					Analysis Date: **5/15/2025**		SeqNo: **2078649**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: **LCS-47729**	SampType: **LCS**			Units: **µg/L**		Prep Date: **5/15/2025**		RunNo: **99794**		
Client ID: **LCSW**	Batch ID: **47729**					Analysis Date: **5/15/2025**		SeqNo: **2078650**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	52.4	0.300	50.00	0	105	80	120				

Sample ID: **2505258-001CMS**	SampType: **MS**			Units: **µg/L**		Prep Date: **5/15/2025**		RunNo: **99794**		
Client ID: **DUP-051225**	Batch ID: **47729**					Analysis Date: **5/15/2025**		SeqNo: **2078663**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	50.7	0.300	50.00	0	101	75	125				

Sample ID: **2505258-001CMSD**	SampType: **MSD**			Units: **µg/L**		Prep Date: **5/15/2025**		RunNo: **99794**		
Client ID: **DUP-051225**	Batch ID: **47729**					Analysis Date: **5/15/2025**		SeqNo: **2078665**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	52.7	0.300	50.00	0	105	75	125	50.72	3.80	20	

Sample ID: **CCV-B**	SampType: **CCV**			Units: **µg/L**		Prep Date: **5/15/2025**		RunNo: **99794**		
Client ID: **CCV**	Batch ID: **R99794**					Analysis Date: **5/15/2025**		SeqNo: **2078670**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	52.4	0.300	50.00	0	105	90	110				

Work Order: 2505258
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: **CCB-B** SampType: **CCB** Units: **µg/L** Prep Date: **5/15/2025** RunNo: **99794**
Client ID: **CCB** Batch ID: **R99794** Analysis Date: **5/15/2025** SeqNo: **2078671**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Work Order: 2505258
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **ICB Dx**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **5/7/2025**	RunNo: **99832**
Client ID: **ICB**	Batch ID: **47741**		Analysis Date: **5/7/2025**	SeqNo: **2089202**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	ND	50.0									
Surr: 2-Fluorobiphenyl	8.89		10.00		88.9	50	150				
Surr: o-Terphenyl	9.43		10.00		94.3	50	150				

Sample ID: **ICV Dx**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **5/7/2025**	RunNo: **99832**
Client ID: **ICV**	Batch ID: **47741**		Analysis Date: **5/7/2025**	SeqNo: **2089203**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	528	50.0	500.0	0	106	70	130				
Surr: 2-Fluorobiphenyl	11.7		10.00		117	50	150				
Surr: o-Terphenyl	10.9		10.00		109	50	150				

Sample ID: **ICB Oil**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **5/7/2025**	RunNo: **99832**
Client ID: **ICB**	Batch ID: **47741**		Analysis Date: **5/7/2025**	SeqNo: **2089204**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	ND	100									
Surr: 2-Fluorobiphenyl	9.91		10.00		99.1	50	150				
Surr: o-Terphenyl	9.97		10.00		99.7	50	150				

Sample ID: **ICV Oil**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **5/7/2025**	RunNo: **99832**
Client ID: **ICV**	Batch ID: **47741**		Analysis Date: **5/7/2025**	SeqNo: **2089205**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	490	100	500.0	0	98.1	70	130				
Surr: 2-Fluorobiphenyl	8.93		10.00		89.3	50	150				
Surr: o-Terphenyl	9.28		10.00		92.8	50	150				

Work Order: 2505258
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **OIL-CCV-47741A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **5/16/2025**	RunNo: **99832**
Client ID: **CCV**	Batch ID: **47741**		Analysis Date: **5/16/2025**	SeqNo: **2079264**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	648	150	500.0	0	130	85	115				S
Surr: 2-Fluorobiphenyl	8.72		10.00		87.2	50	150				
Surr: o-Terphenyl	9.45		10.00		94.5	50	150				

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

Sample ID: **DX-CCV-47741A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **5/16/2025**	RunNo: **99832**
Client ID: **CCV**	Batch ID: **47741**		Analysis Date: **5/16/2025**	SeqNo: **2079265**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	522	100	500.0	0	104	85	115				
Surr: 2-Fluorobiphenyl	9.49		10.00		94.9	50	150				
Surr: o-Terphenyl	10.2		10.00		102	50	150				

Sample ID: **MB-47741**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **5/15/2025**	RunNo: **99832**
Client ID: **MBLKW**	Batch ID: **47741**		Analysis Date: **5/16/2025**	SeqNo: **2079266**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	ND	100									
Heavy Oil	ND	150									
Total Petroleum Hydrocarbons	ND	250									
Surr: 2-Fluorobiphenyl	19.5		25.00		78.1	50	150				
Surr: o-Terphenyl	24.8		25.00		99.2	50	150				

Sample ID: **LCS-47741**	SampType: **LCS**	Units: **µg/L**	Prep Date: **5/15/2025**	RunNo: **99832**
Client ID: **LCSW**	Batch ID: **47741**		Analysis Date: **5/16/2025**	SeqNo: **2079267**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	922	250	1,250	0	73.7	43.1	123				
Surr: 2-Fluorobiphenyl	24.3		25.00		97.2	50	150				
Surr: o-Terphenyl	23.6		25.00		94.6	50	150				

Work Order: 2505258
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **LCS-47741**	SampType: **LCS**	Units: **µg/L**	Prep Date: **5/15/2025**	RunNo: **99832**
Client ID: **LCSW**	Batch ID: **47741**		Analysis Date: **5/16/2025**	SeqNo: **2079267**

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

Sample ID: **LCSD-47741**	SampType: **LCSD**	Units: **µg/L**	Prep Date: **5/15/2025**	RunNo: **99832**
Client ID: **LCSW02**	Batch ID: **47741**		Analysis Date: **5/16/2025**	SeqNo: **2079268**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	1,080	250	1,250	0	86.5	43.1	123	921.6	16.0	30	
Surr: 2-Fluorobiphenyl	28.0		25.00		112	50	150		0		
Surr: o-Terphenyl	28.4		25.00		114	50	150		0		

Sample ID: **OIL-CCV-47741B**	SampType: **CCV**	Units: **µg/L**	Prep Date: **5/16/2025**	RunNo: **99832**
Client ID: **CCV**	Batch ID: **47741**		Analysis Date: **5/16/2025**	SeqNo: **2079350**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	705	150	500.0	0	141	85	115				S
Surr: 2-Fluorobiphenyl	8.34		10.00		83.4	50	150				
Surr: o-Terphenyl	9.29		10.00		92.9	50	150				

NOTES:
S - Outlying spike recovery observed (high bias). Samples are non-detect; result meets QC requirements.

Sample ID: **DX-CCV-47741B**	SampType: **CCV**	Units: **µg/L**	Prep Date: **5/16/2025**	RunNo: **99832**
Client ID: **CCV**	Batch ID: **47741**		Analysis Date: **5/16/2025**	SeqNo: **2079351**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	511	100	500.0	0	102	85	115				
Surr: 2-Fluorobiphenyl	10.6		10.00		106	50	150				
Surr: o-Terphenyl	10.4		10.00		104	50	150				

Work Order: 2505258
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **DX-ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **5/17/2025**	RunNo: **99832**
Client ID: **ICB**	Batch ID: **47741**		Analysis Date: **5/17/2025**	SeqNo: **2089123**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	ND	50.0									
Surr: 2-Fluorobiphenyl	9.29		10.00		92.9	50	150				
Surr: o-Terphenyl	9.28		10.00		92.8	50	150				

Sample ID: **DX-ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **5/17/2025**	RunNo: **99832**
Client ID: **ICV**	Batch ID: **47741**		Analysis Date: **5/17/2025**	SeqNo: **2089124**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	518	50.0	500.0	0	104	70	130				
Surr: 2-Fluorobiphenyl	11.6		10.00		116	50	150				
Surr: o-Terphenyl	10.2		10.00		102	50	150				

Sample ID: **OIL-ICB**	SampType: **ICB**	Units: **mg/Kg**	Prep Date: **5/17/2025**	RunNo: **99832**
Client ID: **ICB**	Batch ID: **47741**		Analysis Date: **5/17/2025**	SeqNo: **2089125**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	ND	100									
Surr: 2-Fluorobiphenyl	10.6		10.00		106	50	150				
Surr: o-Terphenyl	10.7		10.00		107	50	150				

Sample ID: **OIL-ICV**	SampType: **ICV**	Units: **mg/Kg**	Prep Date: **5/17/2025**	RunNo: **99832**
Client ID: **ICV**	Batch ID: **47741**		Analysis Date: **5/17/2025**	SeqNo: **2089126**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	445	100	500.0	0	89.0	70	130				
Surr: 2-Fluorobiphenyl	10.0		10.00		100	50	150				
Surr: o-Terphenyl	10.3		10.00		103	50	150				

Work Order: 2505258
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **OIL-CCV-47741C**	SampType: **CCV**	Units: **µg/L**	Prep Date: **5/19/2025**	RunNo: **99832**
Client ID: **CCV**	Batch ID: **47741**		Analysis Date: **5/19/2025**	SeqNo: **2079862**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	561	150	500.0	0	112	85	115				
Surr: 2-Fluorobiphenyl	8.24		10.00		82.4	50	150				
Surr: o-Terphenyl	7.56		10.00		75.6	50	150				

Sample ID: **DX-CCV-47741C**	SampType: **CCV**	Units: **µg/L**	Prep Date: **5/19/2025**	RunNo: **99832**
Client ID: **CCV**	Batch ID: **47741**		Analysis Date: **5/19/2025**	SeqNo: **2079863**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	460	100	500.0	0	92.0	85	115				
Surr: 2-Fluorobiphenyl	8.74		10.00		87.4	50	150				
Surr: o-Terphenyl	8.44		10.00		84.4	50	150				

Sample ID: **OIL-CCV-47741D**	SampType: **CCV**	Units: **µg/L**	Prep Date: **5/19/2025**	RunNo: **99832**
Client ID: **CCV**	Batch ID: **47741**		Analysis Date: **5/19/2025**	SeqNo: **2079872**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	574	150	500.0	0	115	85	115				
Surr: 2-Fluorobiphenyl	8.85		10.00		88.5	50	150				
Surr: o-Terphenyl	8.30		10.00		83.0	50	150				

Sample ID: **DX-CCV-47741D**	SampType: **CCV**	Units: **µg/L**	Prep Date: **5/19/2025**	RunNo: **99832**
Client ID: **CCV**	Batch ID: **47741**		Analysis Date: **5/19/2025**	SeqNo: **2079873**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	532	100	500.0	0	106	85	115				
Surr: 2-Fluorobiphenyl	11.8		10.00		118	50	150				
Surr: o-Terphenyl	9.90		10.00		99.0	50	150				

Work Order: 2505258
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **OIL-CCV-47741G** SampType: **CCV** Units: **µg/L** Prep Date: **5/20/2025** RunNo: **99832**
Client ID: **CCV** Batch ID: **47741** Analysis Date: **5/20/2025** SeqNo: **2080244**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	464	150	500.0	0	92.7	85	115				
Surr: 2-Fluorobiphenyl	8.77		10.00		87.7	50	150				
Surr: o-Terphenyl	8.20		10.00		82.0	50	150				

Work Order: 2505258
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: **ICB** SampType: **ICB** Units: **µg/L** Prep Date: **5/16/2025** RunNo: **99848**
Client ID: **ICB** Batch ID: **47743** Analysis Date: **5/16/2025** SeqNo: **2079611**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.0200									
2-Methylnaphthalene	ND	0.0200									
1-Methylnaphthalene	ND	0.0200									
Surr: 2-Fluorobiphenyl	530		500.0		106	50.4	142				
Surr: Terphenyl-d14 (surr)	568		500.0		114	48.8	157				

Sample ID: **ICV** SampType: **ICV** Units: **µg/L** Prep Date: **5/16/2025** RunNo: **99848**
Client ID: **ICV** Batch ID: **47743** Analysis Date: **5/16/2025** SeqNo: **2079612**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,020	0.0200	1,000	0	102	70	130				
2-Methylnaphthalene	1,050	0.0200	1,000	0	105	70	130				
1-Methylnaphthalene	949	0.0200	1,000	0	94.9	70	130				
Surr: 2-Fluorobiphenyl	511		500.0		102	69.5	150				
Surr: Terphenyl-d14 (surr)	622		500.0		124	71.6	145				

Work Order: 2505258
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: **CCV-47743A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **5/16/2025**	RunNo: **99887**
Client ID: **CCV**	Batch ID: **47743**		Analysis Date: **5/16/2025**	SeqNo: **2080512**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,020	0.100	1,000	0	102	80	120				
2-Methylnaphthalene	1,050	0.100	1,000	0	105	80	120				
1-Methylnaphthalene	949	0.100	1,000	0	94.9	80	120				
Surr: 2-Fluorobiphenyl	511		500.0		102	80	120				
Surr: Terphenyl-d14	622		500.0		124	80	120				S

NOTES:
S - Outlying surrogate recovery observed.

Sample ID: **MB-47743**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **5/15/2025**	RunNo: **99887**
Client ID: **MBLKW**	Batch ID: **47743**		Analysis Date: **5/16/2025**	SeqNo: **2080513**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.100									
2-Methylnaphthalene	ND	0.100									
1-Methylnaphthalene	ND	0.100									
Surr: 2,4,6-Tribromophenol	6.12		5.000		122	30.3	160				
Surr: 2-Fluorobiphenyl	2.70		2.500		108	35.8	144				
Surr: Terphenyl-d14	3.33		2.500		133	12.7	150				

Sample ID: **LCS-47743**	SampType: **LCS**	Units: **µg/L**	Prep Date: **5/15/2025**	RunNo: **99887**
Client ID: **LCSW**	Batch ID: **47743**		Analysis Date: **5/17/2025**	SeqNo: **2080514**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	4.29	0.100	5.000	0	85.9	39.9	104				
2-Methylnaphthalene	4.45	0.100	5.000	0	89.1	36.2	109				
1-Methylnaphthalene	4.24	0.100	5.000	0	84.8	37.9	108				
Surr: 2,4,6-Tribromophenol	6.79		5.000		136	30.3	160				
Surr: 2-Fluorobiphenyl	2.71		2.500		108	35.8	144				
Surr: Terphenyl-d14	2.83		2.500		113	31.4	156				

Work Order: 2505258
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: **2505265-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **5/15/2025** RunNo: **99887**
Client ID: **BATCH** Batch ID: **47743** Analysis Date: **5/17/2025** SeqNo: **2080532**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	2.16	0.0989						2.149	0.700	30	
2-Methylnaphthalene	0.820	0.0989						0.6177	28.1	30	
1-Methylnaphthalene	0.427	0.0989						0.4077	4.51	30	
Surr: 2,4,6-Tribromophenol	6.25		4.945		126	30.3	160		0		
Surr: 2-Fluorobiphenyl	2.80		2.472		113	35.8	144		0		
Surr: Terphenyl-d14	3.11		2.472		126	31.4	156		0		

Work Order: 2505258
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **5/3/2025**	RunNo: **99505**
Client ID: **ICB**	Batch ID: **R99505**		Analysis Date: **5/3/2025**	SeqNo: **2072883**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	50.0									
Surr: Toluene-d8	24.2		25.00		96.9	65	135				
Surr: 4-Bromofluorobenzene	24.7		25.00		98.7	65	135				

Sample ID: **ICV**	SampType: **ICV**	Units: **µg/L**	Prep Date: **5/3/2025**	RunNo: **99505**
Client ID: **ICV**	Batch ID: **R99505**		Analysis Date: **5/3/2025**	SeqNo: **2072884**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	497	50.0	500.0	0	99.3	80	120				
Surr: Toluene-d8	24.3		25.00		97.1	65	135				
Surr: 4-Bromofluorobenzene	24.9		25.00		99.6	65	135				

Sample ID: **ICB**	SampType: **ICB**	Units: **µg/L**	Prep Date: **5/15/2025**	RunNo: **99819**
Client ID: **ICB**	Batch ID: **R99819**		Analysis Date: **5/15/2025**	SeqNo: **2079106**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	50.0									
Surr: Toluene-d8	27.2		25.00		109	65	135				
Surr: 4-Bromofluorobenzene	29.1		25.00		116	65	135				

Sample ID: **ICV**	SampType: **ICV**	Units: **µg/L**	Prep Date: **5/15/2025**	RunNo: **99819**
Client ID: **ICV**	Batch ID: **R99819**		Analysis Date: **5/15/2025**	SeqNo: **2079107**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	554	50.0	500.0	0	111	80	120				
Surr: Toluene-d8	30.2		25.00		121	65	135				
Surr: 4-Bromofluorobenzene	26.1		25.00		105	65	135				

Work Order: 2505258
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **LCS-47744**	SampType: **LCS**	Units: **µg/L**	Prep Date: **5/16/2025**	RunNo: **99916**
Client ID: **LCSW**	Batch ID: **47744**		Analysis Date: **5/16/2025**	SeqNo: **2081215**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	495	50.0	500.0	0	99.0	65	135				
Surr: Toluene-d8	25.7		25.00		103	65	135				
Surr: 4-Bromofluorobenzene	25.6		25.00		102	65	135				

Sample ID: **GX-CCV-99916A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **5/16/2025**	RunNo: **99916**
Client ID: **CCV**	Batch ID: **R99916**		Analysis Date: **5/16/2025**	SeqNo: **2081208**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	495	50.0	500.0	0	99.0	80	120				
Surr: Toluene-d8	25.7		25.00		103	65	135				
Surr: 4-Bromofluorobenzene	25.6		25.00		102	65	135				

Sample ID: **MB-47744**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **5/16/2025**	RunNo: **99916**
Client ID: **MBLKW**	Batch ID: **47744**		Analysis Date: **5/16/2025**	SeqNo: **2081209**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	50.0									
Surr: Toluene-d8	24.2		25.00		96.9	65	135				
Surr: 4-Bromofluorobenzene	25.2		25.00		101	65	135				

Sample ID: **2505316-001ADUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **5/16/2025**	RunNo: **99916**
Client ID: **BATCH**	Batch ID: **47744**		Analysis Date: **5/16/2025**	SeqNo: **2081211**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	50.0						0		30	
Surr: Toluene-d8	24.2		25.00		96.9	65	135		0		
Surr: 4-Bromofluorobenzene	25.3		25.00		101	65	135		0		

Work Order: 2505258
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **GX-CCV-99916B**	SampType: **CCV**	Units: **µg/L**	Prep Date: **5/16/2025**	RunNo: **99916**
Client ID: **CCV**	Batch ID: **R99916**		Analysis Date: **5/16/2025**	SeqNo: **2081212**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	499	50.0	500.0	0	99.8	80	120				
Surr: Toluene-d8	21.9		25.00		87.8	65	135				
Surr: 4-Bromofluorobenzene	30.5		25.00		122	65	135				

Sample ID: **GX-CCV-99916C**	SampType: **CCV**	Units: **µg/L**	Prep Date: **5/19/2025**	RunNo: **99916**
Client ID: **CCV**	Batch ID: **R99916**		Analysis Date: **5/19/2025**	SeqNo: **2081214**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	516	50.0	500.0	0	103	80	120				
Surr: Toluene-d8	24.3		25.00		97.1	65	135				
Surr: 4-Bromofluorobenzene	25.3		25.00		101	65	135				

Sample ID: **LCS-47802**	SampType: **LCS**	Units: **µg/L**	Prep Date: **5/20/2025**	RunNo: **99913**
Client ID: **LCSW**	Batch ID: **47802**		Analysis Date: **5/20/2025**	SeqNo: **2081161**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	519	50.0	500.0	0	104	65	135				
Surr: Toluene-d8	25.6		25.00		102	65	135				
Surr: 4-Bromofluorobenzene	24.5		25.00		97.9	65	135				

Sample ID: **GX-CCV-99913A**	SampType: **CCV**	Units: **µg/L**	Prep Date: **5/20/2025**	RunNo: **99913**
Client ID: **CCV**	Batch ID: **R99913**		Analysis Date: **5/20/2025**	SeqNo: **2081153**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	519	50.0	500.0	0	104	80	120				
Surr: Toluene-d8	25.6		25.00		102	65	135				
Surr: 4-Bromofluorobenzene	24.5		25.00		97.9	65	135				

Work Order: 2505258
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **MB-47802**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **5/20/2025**	RunNo: **99913**
Client ID: **MBLKW**	Batch ID: **47802**		Analysis Date: **5/20/2025**	SeqNo: **2081154**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	50.0									
Surr: Toluene-d8	26.7		25.00		107	65	135				
Surr: 4-Bromofluorobenzene	29.9		25.00		120	65	135				

Sample ID: **2505258-002AMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **5/20/2025**	RunNo: **99913**
Client ID: **GEI-11-051225**	Batch ID: **47802**		Analysis Date: **5/20/2025**	SeqNo: **2081159**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	394	50.0	500.0	0	78.8	65	135				
Surr: Toluene-d8	26.5		25.00		106	65	135				
Surr: 4-Bromofluorobenzene	28.2		25.00		113	65	135				

Sample ID: **LCSD-47802**	SampType: **LCSD**	Units: **µg/L**	Prep Date: **5/20/2025**	RunNo: **99913**
Client ID: **LCSW02**	Batch ID: **47802**		Analysis Date: **5/20/2025**	SeqNo: **2081160**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	490	50.0	500.0	0	98.1	65	135	518.9	5.68	20	
Surr: Toluene-d8	24.7		25.00		98.6	65	135		0		
Surr: 4-Bromofluorobenzene	25.4		25.00		101	65	135		0		

Sample ID: **GX-CCV-99913B**	SampType: **CCV**	Units: **µg/L**	Prep Date: **5/20/2025**	RunNo: **99913**
Client ID: **CCV**	Batch ID: **R99913**		Analysis Date: **5/20/2025**	SeqNo: **2081162**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	490	50.0	500.0	0	98.1	80	120				
Surr: Toluene-d8	24.7		25.00		98.6	65	135				
Surr: 4-Bromofluorobenzene	25.4		25.00		101	65	135				

Work Order: 2505258
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D

Sample ID: **ICB** SampType: **ICB** Units: **µg/L** Prep Date: **4/25/2025** RunNo: **99279**
Client ID: **ICB** Batch ID: **R99279** Analysis Date: **4/25/2025** SeqNo: **2068070**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.100									
1,2-Dichloroethane (EDC)	ND	0.200									
Benzene	ND	0.100									
Toluene	ND	0.100									
1,2-Dibromoethane (EDB)	ND	0.0100									
Ethylbenzene	ND	0.100									
m,p-Xylene	ND	0.200									
o-Xylene	ND	0.100									
Xylenes, Total	ND	0.300									
Surr: Dibromofluoromethane	25.6		25.00		103	80	120				
Surr: Toluene-d8	25.1		25.00		100	80	120				
Surr: 1-Bromo-4-fluorobenzene	24.9		25.00		99.8	80	120				

Sample ID: **ICV** SampType: **ICV** Units: **µg/L** Prep Date: **4/25/2025** RunNo: **99279**
Client ID: **ICV** Batch ID: **R99279** Analysis Date: **4/25/2025** SeqNo: **2068071**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	4.74	0.100	5.000	0	94.7	70	130				
1,2-Dichloroethane (EDC)	4.67	0.200	5.000	0	93.5	70	130				
Benzene	4.77	0.100	5.000	0	95.4	70	130				
Toluene	4.48	0.100	5.000	0	89.5	70	130				
1,2-Dibromoethane (EDB)	5.02	0.0100	5.000	0	100	70	130				
Ethylbenzene	5.00	0.100	5.000	0	100	70	130				
m,p-Xylene	10.0	0.200	10.00	0	100	70	130				
o-Xylene	5.17	0.100	5.000	0	103	70	130				
Xylenes, Total	15.2	0.300									
Surr: Dibromofluoromethane	25.5										
Surr: Toluene-d8	24.7										
Surr: 1-Bromo-4-fluorobenzene	24.8										

Work Order: 2505258
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D

Sample ID: **LCS-47744** SampType: **LCS** Units: **µg/L** Prep Date: **5/16/2025** RunNo: **99880**
Client ID: **LCSW** Batch ID: **47744** Analysis Date: **5/16/2025** SeqNo: **2080258**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	4.44	0.100	5.000	0	88.7	80	120				
1,2-Dichloroethane (EDC)	4.40	0.200	5.000	0	88.0	80	120				
Benzene	4.72	0.100	5.000	0	94.4	80	120				
Toluene	4.78	0.100	5.000	0	95.5	80	120				
1,2-Dibromoethane (EDB)	5.29	0.0100	5.000	0	106	80	120				
Ethylbenzene	5.26	0.100	5.000	0	105	80	120				
m,p-Xylene	10.8	0.200	10.00	0	108	80	120				
o-Xylene	5.40	0.100	5.000	0	108	80	120				
Xylenes, Total	16.2	0.300	15.00	0	108	80	120				
Surr: Dibromofluoromethane	26.9		25.00		107	80	120				
Surr: Toluene-d8	25.6		25.00		102	80	120				
Surr: 1-Bromo-4-fluorobenzene	25.9		25.00		104	80	120				

Sample ID: **SIM-CCV-99880A** SampType: **CCV** Units: **µg/L** Prep Date: **5/16/2025** RunNo: **99880**
Client ID: **CCV** Batch ID: **R99880** Analysis Date: **5/16/2025** SeqNo: **2080246**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	4.44	0.100	5.000	0	88.7	80	120				
1,2-Dichloroethane (EDC)	4.40	0.200	5.000	0	88.0	80	120				
Benzene	4.72	0.100	5.000	0	94.4	80	120				
Toluene	4.78	0.100	5.000	0	95.5	80	120				
1,2-Dibromoethane (EDB)	5.29	0.0100	5.000	0	106	80	120				
Ethylbenzene	5.26	0.100	5.000	0	105	80	120				
m,p-Xylene	10.8	0.200	10.00	0	108	80	120				
o-Xylene	5.40	0.100	5.000	0	108	80	120				
Xylenes, Total	16.2	0.300	15.00	0	108	80	120				
Surr: Dibromofluoromethane	26.9		25.00		107	80	120				
Surr: Toluene-d8	25.6		25.00		102	80	120				
Surr: 1-Bromo-4-fluorobenzene	25.9		25.00		104	80	120				

Work Order: 2505258
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D

Sample ID: **MB-47744** SampType: **MBLK** Units: **µg/L** Prep Date: **5/16/2025** RunNo: **99880**
Client ID: **MBLKW** Batch ID: **47744** Analysis Date: **5/16/2025** SeqNo: **2080247**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.100									
1,2-Dichloroethane (EDC)	ND	0.200									
Benzene	ND	0.100									
Toluene	ND	0.100									
1,2-Dibromoethane (EDB)	ND	0.0100									
Ethylbenzene	ND	0.100									
m,p-Xylene	ND	0.200									
o-Xylene	ND	0.100									
Xylenes, Total	ND	0.300									
Surr: Dibromofluoromethane	25.2		25.00		101	70	130				
Surr: Toluene-d8	25.6		25.00		102	70	130				
Surr: 1-Bromo-4-fluorobenzene	25.6		25.00		102	70	130				

Sample ID: **2505316-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **5/16/2025** RunNo: **99880**
Client ID: **BATCH** Batch ID: **47744** Analysis Date: **5/16/2025** SeqNo: **2080249**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.100						0		30	
1,2-Dichloroethane (EDC)	ND	0.200						0		30	
Benzene	ND	0.100						0		30	
Toluene	ND	0.100						0		30	
1,2-Dibromoethane (EDB)	ND	0.0100						0		30	
Ethylbenzene	ND	0.100						0		30	
m,p-Xylene	ND	0.200						0		30	
o-Xylene	ND	0.100						0		30	
Xylenes, Total	ND	0.300						0		30	
Surr: Dibromofluoromethane	25.9		25.00		103	70	130		0		
Surr: Toluene-d8	26.4		25.00		106	70	130		0		
Surr: 1-Bromo-4-fluorobenzene	25.9		25.00		104	70	130		0		

Work Order: 2505258
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D

Sample ID: **2505283-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **5/16/2025** RunNo: **99880**
Client ID: **BATCH** Batch ID: **47744** Analysis Date: **5/16/2025** SeqNo: **2080251**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	6.03	0.100	5.000	0.08076	119	82.2	127				
1,2-Dichloroethane (EDC)	4.00	0.200	5.000	0	80.0	77	133				
Benzene	4.52	0.100	5.000	0	90.4	85.3	134				
Toluene	4.68	0.100	5.000	0	93.6	82.7	134				
1,2-Dibromoethane (EDB)	4.92	0.0100	5.000	0	98.4	77.8	132				
Ethylbenzene	5.25	0.100	5.000	0	105	84.6	125				
m,p-Xylene	10.8	0.200	10.00	0	108	84	124				
o-Xylene	5.27	0.100	5.000	0	105	82	122				
Xylenes, Total	16.0	0.300	15.00	0	107	78	130				
Surr: Dibromofluoromethane	26.0		25.00		104	70	130				
Surr: Toluene-d8	24.7		25.00		98.9	70	130				
Surr: 1-Bromo-4-fluorobenzene	25.6		25.00		102	70	130				

Sample ID: **SIM-CCV-47744** SampType: **CCV** Units: **µg/L** Prep Date: **5/16/2025** RunNo: **99880**
Client ID: **CCV** Batch ID: **R99880** Analysis Date: **5/16/2025** SeqNo: **2080252**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	5.01	0.100	5.000	0	100	80	120				
1,2-Dichloroethane (EDC)	4.24	0.200	5.000	0	84.9	80	120				
Benzene	4.46	0.100	5.000	0	89.3	80	120				
Toluene	4.29	0.100	5.000	0	85.8	80	120				
1,2-Dibromoethane (EDB)	5.92	0.0100	5.000	0	118	80	120				
Ethylbenzene	4.89	0.100	5.000	0	97.7	80	120				
m,p-Xylene	9.85	0.200	10.00	0	98.5	80	120				
o-Xylene	5.04	0.100	5.000	0	101	80	120				
Xylenes, Total	14.9	0.300	15.00	0	99.3	80	120				
Surr: Dibromofluoromethane	25.9		25.00		104	80	120				
Surr: Toluene-d8	23.2		25.00		92.7	80	120				
Surr: 1-Bromo-4-fluorobenzene	25.0		25.00		99.9	80	120				

Sample Log-In Check List

Client Name:	GEI	Work Order Number:	2505258
Logged by:	Morgan Wilson	Date Received:	5/13/2025 2:17:00 PM

Chain of Custody

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

Log In

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

Special Handling (if applicable)

16. 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:			

17. Additional remarks:

Item Information

Item #	Temp °C
Sample	1.8

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

Alliance
3600 Fremont Ave N
Seattle, WA 98103
Tel: 206-352-3790

Chain of Custody Record & Laboratory Services Agreement

Date: 5/12/25 | Page: 1 of: 1 | Laboratory Project No (internal): 2505258

Project Name: 701/709 South Jackson | Special Remarks:

Client: GeoEngineers | Project No: 24504-001-04

Address: 2101 4th Ave, Suite 450 | Collected by: Max-Henry Nilsen

City, State, Zip: Seattle, WA 98121 | Location: Seattle

Telephone: 206 240 2300 | Report To (PM): Robert Trahan + Jovan Rusnik

Disposal: Samples will be disposed in 30 days unless otherwise requested. ☐ Retain volume (specify above) ☐ Return to client

Email(s): rtrahan@geoengineers.com + jrusnik@geoengineers.com | MTCA Method A

	Sample Name	Time Sample Date	Date Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624) 4 SIM	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)	Naphthalenes (8270)	Comments
1	DuP-051225	0600	5/12/25	W	7	X	X	X		X				X	T/D		X		* EDB, EDC, MTBE
2	GEI-11-051225	1255																	
3	GEI-12-051225	1545																	
4	GEI-13-051225	1715																	
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 Alliance Technical Group LLC 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	Max-Henry Nilsen	5/13/25 @ 0700	x	Kristine Chigbrow	5/13/25 10:01AM
x			x	Nathan Heller	5/13/25 1417

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Chain of Custody Record & Laboratory Services Agreement

Alliance TECHNICAL GROUP
3600 Fremont Ave N
Seattle, WA 98103
Tel: 206-352-3790

Date: 5/12/25 | Page: 1 of: 1 | Laboratory Project No (internal): 2505258

Special Remarks: Updated 5/13/25 JR
Emailed 5/13/25 JR
Update per MN -mw 5/1325

Project Name: 701/709 South Jackson
Project No: 24504-001-04
Collected by: Max-Henry Nilsen
Location: Seattle

Client: GeoEngineers
Address: 2101 4th Ave, Suite 450
City, State, Zip: Seattle, WA 98121
Telephone: 206 240 2300
Report To (PM): Robert Trahan + Javan Rusark
Email(s): rtrahan@geoengineers.com + jrusark@geoengineers.com

Disposal: Samples will be disposed in 30 days unless otherwise requested.
☐ Retain volume (specify above) ☐ Return to client

MTCA Method A

	Sample Name	Time Sample Date	Date Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624) – See comments	BTEX 8260A JR	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625) – See comments	PAHs (EPA 8270 - SIM) – See comments	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) – PA only	Total (T)	Dissolved (D)	Anions ((C)***	EDB (8011)	Alaphatics (8270) JR			Comments
1	DuP-051225	0600	5/12/25	W	7	X	X	X		X	X	X	X	T/D				X				* EDB, EDC, MTBE only for VOCs
2	GEI-11-051225	1255	↓	↓	↓	↓	↓	↓		↓	X	↓	↓	↓				↓				PAHs by 8270SIM - Bulk Trace
3	GEI-12-051225	1545	↓	↓	↓	↓	↓	↓		↓	X	↓	↓	↓				↓				2-Methylnaphthalene
4	GEI-13-051225	1715	↓	↓	↓	↓	↓	↓		↓	X	↓	↓	↓				↓				1-Methylnaphthalene
5																						Naphthalene
6	Trip Blank	5/12/25					X	X														
7																						
8																						
9																						
10																						

3 listed

*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 Alliance Technical Group LLC 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 Max-Henry Nilsen	Max-Henry Nilsen	5/13/25 @ 0700	x Clare Griggs	Clare Griggs	5/13/25 14:45
x			x		

Chain of Custody Record & Laboratory Services Agreement

Alliance TECHNICAL GROUP
3600 Fremont Ave N
Seattle, WA 98103
Tel: 206-352-3790

Date: 5/12/25 Page: 1 of: 1

Laboratory Project No (internal): 2505258

Project Name: 701/709 South Jackson

Special Remarks: Updated 5/13/25 JR
Emailed 5/13/25 JR
Update per MN -mw 5/1325
2B data package requested by RT 5/20/25-BB

Client: GeoEngineers

Project No: 24504-001-04

Address: 2101 4th Ave, Suite 450

Collected by: Mary Nelson

City, State, Zip: Seattle, WA 98121

Location: Seattle

Telephone: 206 240 2300

Report To (PM): Robert Trahan + Javan Rurark

Disposal: Samples will be disposed in 30 days unless otherwise requested.
☐ Retain volume (specify above) ☐ Return to client

Email(s): rtrahan@geoengineers.com + jrurark@geoengineers.com

MTCA Method A

Sample Name	Time Sample Date	Date Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624) – See comments JR	BTEX – See comments JR	Gasoline Range Organics (GX) – 8260A JR	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625) – See comments JR	PAHs (EPA 8270 - SIM) – See comments JR – PAHs only	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) – See comments JR	Total (T)	Dissolved (D)	Anions (IC)***	EDB (8011)	Naphthalenes (8270) JR			Comments
1 DUP-051225	0600	5/12/25	W	7	X	X	X		X	X	X		X	T/D			X				* EDB, EDC, MTBE only for VOCs
2 GEI-11-051225	1255	↓	↓	↓	↓	↓	↓		↓	X	↓		↓	↓			↓				PAHs by 8270SIM – Only the 3 listed
3 GEI-12-051225	1545									X											2-Methylnaphthalene
4 GEI-13-051225	1715									X											1-Methylnaphthalene
5																					Naphthalene
6 Trip Blank	5/12/25					X	X														
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 Alliance Technical Group LLC 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 Mary Nelson	Mary Nelson	5/13/25 @ 0700	x Clare Griggs	Clare Griggs	5/13/25 14:45
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

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DATA SET for Review - Deliverable Requirements

Diesel and Heavy Oil by NWTPH-Dx

Alliance Technical Group Work Order No. 2505258

GeoEngineers

Project Name: 701/709 South Jackson St.

Project Number: 24504-001-04

This data set contains the following:

- Analytical Sequence Summary
- Calibration Information

Injection Log

Data Directory: C:\GC-24\Data\2025\250507FRONT\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 05070016.D	DX_220112.M			
No data found			0.000	N/A
2) 05070012.D	DX_220112.M			
No data found			0.000	N/A
3) 05070026.D	DX_220112.M			
No data found			0.000	N/A
4) 05070002.D	DX_220112.M			
CO		150	1.000	07 May 2025 02:15 pm
5) 05070004.D	DX_220112.M			
CO		150	1.000	07 May 2025 02:31 pm
6) 05070006.D	DX_220112.M			
OIL-CCV		2	1.000	07 May 2025 02:42 pm
7) 05070008.D	DX_220112.M			
DX-CCV		1	1.000	07 May 2025 02:55 pm
8) 05070010.D	DX_220112.M			
DX-CCV		1	1.000	07 May 2025 03:36 pm
9) 05070014.D	DX_220112.M			
DX-CCV		1	1.000	07 May 2025 04:13 pm
10) 05070020.D	DX_220112 FRONT ONLY.M			
DX-CCV		1	1.000	07 May 2025 04:34 pm
11) 05070024.D	DX_220112 FRONT ONLY.M			
DX-CCV		1	1.000	07 May 2025 04:47 pm
12) 05070028.D	DX_220112 FRONT ONLY.M			
OIL-CCV		2	1.000	07 May 2025 05:05 pm
13) 05070030.D	DX_220112 FRONT ONLY.M			
Cal 20 Dx		61	1.000	07 May 2025 05:34 pm
14) 05070032.D	DX_220112 FRONT ONLY.M			
Cal 100 Dx		62	1.000	07 May 2025 05:45 pm
15) 05070034.D	DX_220112 FRONT ONLY.M			
Cal 500 Dx		63	1.000	07 May 2025 05:57 pm
16) 05070036.D	DX_220112 FRONT ONLY.M			
Cal 1000 Dx		64	1.000	07 May 2025 06:08 pm
17) 05070038.D	DX_220112 FRONT ONLY.M			
Cal 2000 Dx		65	1.000	07 May 2025 06:20 pm
18) 05070040.D	DX_220112 FRONT ONLY.M			
Cal 5000 Dx		66	1.000	07 May 2025 06:31 pm
19) 05070042.D	DX_220112 FRONT ONLY.M			
Cal 10000 Dx		67	1.000	07 May 2025 06:43 pm
20) 05070044.D	DX_220112 FRONT ONLY.M			
ICB Dx		68	1.000	07 May 2025 06:55 pm
21) 05070046.D	DX_220112 FRONT ONLY.M			
ICV Dx		69	1.000	07 May 2025 07:06 pm

22) 05070048.D DX_220112 FRONT ONLY.M
Cal 20 Oil 71 1.000 07 May 2025 07:18 pm

23) 05070050.D DX_220112 FRONT ONLY.M
Cal 100 Oil 72 1.000 07 May 2025 07:29 pm

24) 05070052.D DX_220112 FRONT ONLY.M
Cal 500 Oil 73 1.000 07 May 2025 07:41 pm

25) 05070054.D DX_220112 FRONT ONLY.M
CO 150 1.000 07 May 2025 07:52 pm

26) 05070056.D DX_220112 FRONT ONLY.M
Cal 1000 Oil 74 1.000 07 May 2025 08:04 pm

27) 05070058.D DX_220112 FRONT ONLY.M
CO 150 1.000 07 May 2025 08:16 pm

28) 05070060.D DX_220112 FRONT ONLY.M
Cal 2000 Oil 75 1.000 07 May 2025 08:27 pm

29) 05070062.D DX_220112 FRONT ONLY.M
CO 150 1.000 07 May 2025 08:39 pm

30) 05070064.D DX_220112 FRONT ONLY.M
CO 150 1.000 07 May 2025 08:50 pm

31) 05070066.D DX_220112 FRONT ONLY.M
Cal 5000 Oil 76 1.000 07 May 2025 09:02 pm

32) 05070068.D DX_220112 FRONT ONLY.M
CO 150 1.000 07 May 2025 09:14 pm

33) 05070070.D DX_220112 FRONT ONLY.M
CO 150 1.000 07 May 2025 09:25 pm

34) 05070072.D DX_220112 FRONT ONLY.M
Cal 10000 Oil 77 1.000 07 May 2025 09:37 pm

35) 05070074.D DX_220112 FRONT ONLY.M
CO 150 1.000 07 May 2025 09:48 pm

36) 05070076.D DX_220112 FRONT ONLY.M
CO 150 1.000 07 May 2025 10:00 pm

37) 05070078.D DX_220112 FRONT ONLY.M
CO 150 1.000 07 May 2025 10:12 pm

38) 05070080.D DX_220112 FRONT ONLY.M
CO 150 1.000 07 May 2025 10:23 pm

39) 05070082.D DX_220112 FRONT ONLY.M
ICB Oil 78 1.000 07 May 2025 10:35 pm

40) 05070084.D DX_220112 FRONT ONLY.M
ICV Oil 79 1.000 07 May 2025 10:46 pm

41) 05080002.D DX_220112 FRONT ONLY.M
CO 150 1.000 08 May 2025 08:42 am

42) 05080004.D DX_220112 FRONT ONLY.M
Cal 5000 Oil 76 1.000 08 May 2025 08:55 am

Injection Log

Data Directory: C:\GC-24\Data\2025\250516FRONT\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 05120148.D	DX_220112 FRONT ONLY.M			
TRPH std.		5	1.000	13 May 2025 11:01 am
2) 05160002.D	DX_220112 FRONT ONLY.M			
CO		150	1.000	16 May 2025 09:59 am
3) 05160004.D	DX_220112 FRONT ONLY.M			
OIL-CCV		2	1.000	16 May 2025 10:11 am
4) 05160006.D	DX_220112 FRONT ONLY.M			
DX-CCV		1	1.000	16 May 2025 10:22 am
5) 05160008.D	DX_220112 FRONT ONLY.M			
OIL-CCV		2	1.000	16 May 2025 11:16 am
6) 05160010.D	DX_220112 FRONT ONLY.M			
DX-CCV		1	1.000	16 May 2025 11:28 am
7) 05160012.D	DX_220112 FRONT ONLY.M			
OIL-CCV		2	1.000	16 May 2025 11:51 am
8) 05160014.D	DX_220112 FRONT ONLY.M			
DX-CCV		1	1.000	16 May 2025 12:02 pm
9) 05160015.D	DX_220112 FRONT ONLY.M			
CO		149	1.000	16 May 2025 12:18 pm
10) 05160016.D	DX_220112 FRONT ONLY.M			
LCS RRO		94	1.000	16 May 2025 12:29 pm
11) 05160017.D	DX_220112 FRONT ONLY.M			
CO		149	1.000	16 May 2025 12:41 pm
12) 05160018.D	DX_220112 FRONT ONLY.M			
2505216-001B		99	1.000	16 May 2025 12:52 pm
13) 05160019.D	DX_220112 FRONT ONLY.M			
CO		149	1.000	16 May 2025 01:04 pm
14) 05160020.D	DX_220112 FRONT ONLY.M			
2505216-002B		100	1.000	16 May 2025 01:15 pm
15) 05160021.D	DX_220112 FRONT ONLY.M			
CO		149	1.000	16 May 2025 01:27 pm
16) 05160022.D	DX_220112 FRONT ONLY.M			
2505216-003B		101	1.000	16 May 2025 01:39 pm
17) 05160023.D	DX_220112 FRONT ONLY.M			
CO		149	1.000	16 May 2025 01:50 pm
18) 05160024.D	DX_220112 FRONT ONLY.M			
2505216-004B		102	1.000	16 May 2025 02:02 pm
19) 05160025.D	DX_220112 FRONT ONLY.M			
CO		149	1.000	16 May 2025 02:13 pm
20) 05160026.D	DX_220112 FRONT ONLY.M			
2505216-005B		103	1.000	16 May 2025 02:25 pm
21) 05160027.D	DX_220112 FRONT ONLY.M			
CO		149	1.000	16 May 2025 02:37 pm

22) 05160028.D DX_220112 FRONT ONLY.M
2505216-006B 104 1.000 16 May 2025 02:48 pm

23) 05160029.D DX_220112 FRONT ONLY.M
CO 149 1.000 16 May 2025 03:00 pm

24) 05160030.D DX_220112 FRONT ONLY.M
2505203-001B 95 1.000 16 May 2025 03:11 pm

25) 05160031.D DX_220112 FRONT ONLY.M
CO 149 1.000 16 May 2025 03:23 pm

26) 05160032.D DX_220112 FRONT ONLY.M
2505203-002A 96 1.000 16 May 2025 03:35 pm

27) 05160033.D DX_220112 FRONT ONLY.M
CO 149 1.000 16 May 2025 03:46 pm

28) 05160034.D DX_220112 FRONT ONLY.M
CO 150 1.000 16 May 2025 03:58 pm

29) 05160035.D DX_220112 FRONT ONLY.M
CO 149 1.000 16 May 2025 04:09 pm

30) 05160036.D DX_220112 FRONT ONLY.M
2505203-003B 97 1.000 16 May 2025 04:21 pm

31) 05160037.D DX_220112 FRONT ONLY.M
CO 149 1.000 16 May 2025 04:33 pm

32) 05160038.D DX_220112 FRONT ONLY.M
2505203-004B 98 1.000 16 May 2025 04:44 pm

33) 05160039.D DX_220112 FRONT ONLY.M
CO 149 1.000 16 May 2025 04:56 pm

34) 05160040.D DX_220112 FRONT ONLY.M
MB-47741 111 1.000 16 May 2025 05:07 pm

35) 05160041.D DX_220112 FRONT ONLY.M
CO 149 1.000 16 May 2025 05:19 pm

36) 05160042.D DX_220112 FRONT ONLY.M
LCS-47741 112 1.000 16 May 2025 05:31 pm

37) 05160043.D DX_220112 FRONT ONLY.M
CO 149 1.000 16 May 2025 05:42 pm

38) 05160044.D DX_220112 FRONT ONLY.M
LCSD-47741 113 1.000 16 May 2025 05:54 pm

39) 05160045.D DX_220112 FRONT ONLY.M
CO 149 1.000 16 May 2025 06:06 pm

40) 05160046.D DX_220112 FRONT ONLY.M
2505316-001B 114 1.000 16 May 2025 06:17 pm

41) 05160047.D DX_220112 FRONT ONLY.M
CO 149 1.000 16 May 2025 06:29 pm

42) 05160048.D DX_220112 FRONT ONLY.M
OIL-CCV 2 1.000 16 May 2025 06:40 pm

43) 05160049.D DX_220112 FRONT ONLY.M
CO 149 1.000 16 May 2025 06:52 pm

44) 05160050.D DX_220112 FRONT ONLY.M
DX-CCV 1 1.000 16 May 2025 07:03 pm

45) 05160051.D DX_220112 FRONT ONLY.M

CO 149 1.000 16 May 2025 07:15 pm

46) 05160052.D DX_220112 FRONT ONLY.M
2505310-001A 49 1.000 16 May 2025 07:26 pm

47) 05160053.D DX_220112 FRONT ONLY.M
CO 149 1.000 16 May 2025 07:38 pm

48) 05160054.D DX_220112 FRONT ONLY.M
2505310-002A 50 1.000 16 May 2025 07:50 pm

49) 05160055.D DX_220112 FRONT ONLY.M
CO 149 1.000 16 May 2025 08:01 pm

50) 05160056.D DX_220112 FRONT ONLY.M
MB-47712 SGT 41 1.000 16 May 2025 08:13 pm

51) 05160057.D DX_220112 FRONT ONLY.M
CO 149 1.000 16 May 2025 08:24 pm

52) 05160058.D DX_220112 FRONT ONLY.M
LCS-47712 42 1.000 16 May 2025 08:36 pm

53) 05160059.D DX_220112 FRONT ONLY.M
CO 149 1.000 16 May 2025 08:47 pm

54) 05160060.D DX_220112 FRONT ONLY.M
LCSD-47712 43 1.000 16 May 2025 08:59 pm

55) 05160061.D DX_220112 FRONT ONLY.M
CO 149 1.000 16 May 2025 09:10 pm

56) 05160062.D DX_220112 FRONT ONLY.M
2505256-001B 44 1.000 16 May 2025 09:22 pm

57) 05160063.D DX_220112 FRONT ONLY.M
CO 149 1.000 16 May 2025 09:33 pm

58) 05160064.D DX_220112 FRONT ONLY.M
2505256-002B 45 1.000 16 May 2025 09:45 pm

59) 05160065.D DX_220112 FRONT ONLY.M
CO 149 1.000 16 May 2025 09:56 pm

60) 05160066.D DX_220112 FRONT ONLY.M
2505256-003B 46 1.000 16 May 2025 10:08 pm

61) 05160067.D DX_220112 FRONT ONLY.M
CO 149 1.000 16 May 2025 10:20 pm

62) 05160068.D DX_220112 FRONT ONLY.M
2505256-004B 47 1.000 16 May 2025 10:31 pm

63) 05160069.D DX_220112 FRONT ONLY.M
CO 149 1.000 16 May 2025 10:43 pm

64) 05160070.D DX_220112 FRONT ONLY.M
2505256-005B SGT 48 1.000 16 May 2025 10:54 pm

65) 05160071.D DX_220112 FRONT ONLY.M
CO 149 1.000 16 May 2025 11:06 pm

66) 05160072.D DX_220112 FRONT ONLY.M
MB-47706 SGT 31 1.000 16 May 2025 11:17 pm

67) 05160073.D DX_220112 FRONT ONLY.M
CO 149 1.000 16 May 2025 11:29 pm

68) 05160074.D DX_220112 FRONT ONLY.M
LCS-47706 32 1.000 16 May 2025 11:40 pm

69) 05160075.D DX_220112 FRONT ONLY.M
CO 149 1.000 16 May 2025 11:52 pm

70) 05160076.D DX_220112 FRONT ONLY.M
2505234-002A 33 1.000 17 May 2025 12:04 am

71) 05160077.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 12:15 am

72) 05160078.D DX_220112 FRONT ONLY.M
2505234-002AMS 34 1.000 17 May 2025 12:27 am

73) 05160079.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 12:38 am

74) 05160080.D DX_220112 FRONT ONLY.M
2505234-002AMSD 35 1.000 17 May 2025 12:50 am

75) 05160081.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 01:01 am

76) 05160082.D DX_220112 FRONT ONLY.M
2505256-009A SGT 36 1.000 17 May 2025 01:13 am

77) 05160083.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 01:24 am

78) 05160084.D DX_220112 FRONT ONLY.M
OIL-CCV 2 1.000 17 May 2025 01:36 am

79) 05160085.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 01:47 am

80) 05160086.D DX_220112 FRONT ONLY.M
DX-CCV 1 1.000 17 May 2025 01:59 am

81) 05160087.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 02:11 am

82) 05160088.D DX_220112 FRONT ONLY.M
DX-CAL 20 11 1.000 17 May 2025 02:22 am

83) 05160089.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 02:34 am

84) 05160090.D DX_220112 FRONT ONLY.M
DX-CAL 100 12 1.000 17 May 2025 02:45 am

85) 05160091.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 02:57 am

86) 05160092.D DX_220112 FRONT ONLY.M
DX-CAL 500 13 1.000 17 May 2025 03:08 am

87) 05160093.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 03:20 am

88) 05160094.D DX_220112 FRONT ONLY.M
DX-CAL 1000 14 1.000 17 May 2025 03:31 am

89) 05160095.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 03:43 am

90) 05160096.D DX_220112 FRONT ONLY.M
DX-CAL 2000 15 1.000 17 May 2025 03:54 am

91) 05160097.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 04:06 am

92) 05160098.D DX_220112 FRONT ONLY.M
DX-CAL 5000 16 1.000 17 May 2025 04:17 am

93) 05160099.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 04:29 am

94) 05160100.D DX_220112 FRONT ONLY.M
DX-CAL 10000 17 1.000 17 May 2025 04:40 am

95) 05160101.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 04:52 am

96) 05160102.D DX_220112 FRONT ONLY.M
DX-ICB 18 1.000 17 May 2025 05:03 am

97) 05160103.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 05:15 am

98) 05160104.D DX_220112 FRONT ONLY.M
DX-ICV 19 1.000 17 May 2025 05:26 am

99) 05160105.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 05:38 am

100) 05160106.D DX_220112 FRONT ONLY.M
OIL-CAL 20 21 1.000 17 May 2025 05:50 am

101) 05160107.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 06:01 am

102) 05160108.D DX_220112 FRONT ONLY.M
OIL-CAL 100 22 1.000 17 May 2025 06:13 am

103) 05160109.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 06:24 am

104) 05160110.D DX_220112 FRONT ONLY.M
OIL-CAL 500 23 1.000 17 May 2025 06:36 am

105) 05160111.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 06:47 am

106) 05160112.D DX_220112 FRONT ONLY.M
CO 150 1.000 17 May 2025 06:59 am

107) 05160113.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 07:10 am

108) 05160114.D DX_220112 FRONT ONLY.M
OIL-CAL 1000 24 1.000 17 May 2025 07:22 am

109) 05160115.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 07:33 am

110) 05160116.D DX_220112 FRONT ONLY.M
CO 150 1.000 17 May 2025 07:45 am

111) 05160117.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 07:57 am

112) 05160118.D DX_220112 FRONT ONLY.M
CO 150 1.000 17 May 2025 08:08 am

113) 05160119.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 08:20 am

114) 05160120.D DX_220112 FRONT ONLY.M
OIL-CAL 2000 25 1.000 17 May 2025 08:31 am

115) 05160121.D DX_220112 FRONT ONLY.M

CO 149 1.000 17 May 2025 08:43 am

116) 05160122.D DX_220112 FRONT ONLY.M
CO 150 1.000 17 May 2025 08:54 am

117) 05160123.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 09:06 am

118) 05160124.D DX_220112 FRONT ONLY.M
CO 150 1.000 17 May 2025 09:18 am

119) 05160125.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 09:29 am

120) 05160126.D DX_220112 FRONT ONLY.M
CO 150 1.000 17 May 2025 09:41 am

121) 05160127.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 09:52 am

122) 05160128.D DX_220112 FRONT ONLY.M
OIL-CAL 5000 26 1.000 17 May 2025 10:04 am

123) 05160129.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 10:15 am

124) 05160130.D DX_220112 FRONT ONLY.M
CO 150 1.000 17 May 2025 10:27 am

125) 05160131.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 10:38 am

126) 05160132.D DX_220112 FRONT ONLY.M
CO 150 1.000 17 May 2025 10:50 am

127) 05160133.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 11:01 am

128) 05160134.D DX_220112 FRONT ONLY.M
CO 150 1.000 17 May 2025 11:13 am

129) 05160135.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 11:25 am

130) 05160136.D DX_220112 FRONT ONLY.M
CO 150 1.000 17 May 2025 11:36 am

131) 05160137.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 11:48 am

132) 05160138.D DX_220112 FRONT ONLY.M
OIL-CAL 10000 27 1.000 17 May 2025 11:59 am

133) 05160139.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 12:11 pm

134) 05160140.D DX_220112 FRONT ONLY.M
CO 150 1.000 17 May 2025 12:22 pm

135) 05160141.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 12:34 pm

136) 05160142.D DX_220112 FRONT ONLY.M
CO 150 1.000 17 May 2025 12:46 pm

137) 05160143.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 12:57 pm

138) 05160144.D DX_220112 FRONT ONLY.M
CO 150 1.000 17 May 2025 01:09 pm

139) 05160145.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 01:20 pm

140) 05160146.D DX_220112 FRONT ONLY.M
CO 150 1.000 17 May 2025 01:32 pm

141) 05160147.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 01:43 pm

142) 05160148.D DX_220112 FRONT ONLY.M
OIL-ICB 28 1.000 17 May 2025 01:55 pm

143) 05160149.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 02:06 pm

144) 05160150.D DX_220112 FRONT ONLY.M
OIL-ICV 29 1.000 17 May 2025 02:18 pm

145) 05160151.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 02:29 pm

146) 05160152.D DX_220112 FRONT ONLY.M
CO 150 1.000 17 May 2025 02:41 pm

147) 05160153.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 02:53 pm

148) 05160154.D DX_220112 FRONT ONLY.M
OIL-CCV 6 1.000 17 May 2025 03:04 pm

149) 05160155.D DX_220112 FRONT ONLY.M
CO 149 1.000 17 May 2025 03:16 pm

150) 05160156.D DX_220112 FRONT ONLY.M
DX-CCV 5 1.000 17 May 2025 03:27 pm

151) 05190002.D DX_220112 FRONT ONLY.M
CO 150 1.000 19 May 2025 08:57 am

152) 05190004.D DX_220112 FRONT ONLY.M
OIL-CCV 2 1.000 19 May 2025 09:08 am

153) 05190006.D DX_220112 FRONT ONLY.M
DX-CCV 1 1.000 19 May 2025 09:20 am

154) 05190008.D DX_220112 FRONT ONLY.M
2505227-001A 105 1.000 19 May 2025 09:31 am

155) 05190010.D DX_220112 FRONT ONLY.M
2505283-001B 108 1.000 19 May 2025 09:43 am

156) 05190012.D DX_220112 FRONT ONLY.M
2505228-001A 106 1.000 19 May 2025 09:54 am

157) 05190014.D DX_220112 FRONT ONLY.M
2505230-001A 107 1.000 19 May 2025 10:06 am

158) 05190016.D DX_220112 FRONT ONLY.M
CO 150 1.000 19 May 2025 10:17 am

159) 05190018.D DX_220112 FRONT ONLY.M
OIL-CCV 2 1.000 19 May 2025 10:29 am

160) 05190020.D DX_220112 FRONT ONLY.M
DX-CCV 1 1.000 19 May 2025 10:40 am

161) 05190022.D DX_220112 FRONT ONLY.M
2505203-001B 95 1.000 19 May 2025 11:11 am

162) 05190024.D DX_220112 FRONT ONLY.M
CO 150 1.000 19 May 2025 11:22 am
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163) 05190026.D DX_220112 FRONT ONLY.M
CO 150 1.000 19 May 2025 11:34 am
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164) 05190028.D DX_220112 FRONT ONLY.M
2505203-002A 96 1.000 19 May 2025 11:45 am
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165) 05190030.D DX_220112 FRONT ONLY.M
CO 150 1.000 19 May 2025 11:57 am
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166) 05190032.D DX_220112 FRONT ONLY.M
OIL-CCV 2 1.000 19 May 2025 12:08 pm
---
167) 05190034.D DX_220112 FRONT ONLY.M
DX-CCV 1 1.000 19 May 2025 12:20 pm
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168) 05190036.D DX_220112 FRONT ONLY.M
Pentacosane + O-terp 3 1.000 19 May 2025 12:31 pm
---
169) 05190038.D DX_220112 FRONT ONLY.M
Pentacosane+ O-ter.. 4 1.000 19 May 2025 12:43 pm
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170) 05190040.D DX_220112 FRONT ONLY.M
MB-47750 81 1.000 19 May 2025 12:54 pm
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171) 05190042.D DX_220112 FRONT ONLY.M
LCS-47750 82 1.000 19 May 2025 01:06 pm
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172) 05190044.D DX_220112 FRONT ONLY.M
LCSD-47750 83 1.000 19 May 2025 01:21 pm
---
173) 05190046.D DX_220112 FRONT ONLY.M
OIL-CCV 2 1.000 19 May 2025 01:35 pm
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174) 05190048.D DX_220112 FRONT ONLY.M
DX-CCV 1 1.000 19 May 2025 01:47 pm
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175) 05190050.D DX_220112 FRONT ONLY.M
MB-47737 121 1.000 19 May 2025 01:58 pm
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176) 05190052.D DX_220112 FRONT ONLY.M
LCS-47737 122 1.000 19 May 2025 02:10 pm
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177) 05190054.D DX_220112 FRONT ONLY.M
2505073-019A 125 1.000 19 May 2025 02:21 pm
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178) 05190056.D DX_220112 FRONT ONLY.M
2505073-023A 127 1.000 19 May 2025 02:33 pm
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179) 05190058.D DX_220112 FRONT ONLY.M
2505286-001A 128 1.000 19 May 2025 02:44 pm
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180) 05190060.D DX_220112 FRONT ONLY.M
CO 150 1.000 19 May 2025 02:56 pm
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181) 05190062.D DX_220112 FRONT ONLY.M
2505286-001ADUP 129 1.000 19 May 2025 03:07 pm
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182) 05190064.D DX_220112 FRONT ONLY.M
CO 150 1.000 19 May 2025 03:19 pm
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183) 05190066.D DX_220112 FRONT ONLY.M
2505286-002A 130 1.000 19 May 2025 03:30 pm
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184) 05190068.D DX_220112 FRONT ONLY.M
2505286-002AMS 131 1.000 19 May 2025 03:42 pm
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185) 05190070.D DX_220112 FRONT ONLY.M

2505286-002AMSD 132 1.000 19 May 2025 03:54 pm

186) 05190072.D DX_220112 FRONT ONLY.M
2505073-021A 126 1.000 19 May 2025 04:05 pm

187) 05190074.D DX_220112 FRONT ONLY.M
CO 150 1.000 19 May 2025 04:17 pm

188) 05190076.D DX_220112 FRONT ONLY.M
2505073-013A 123 1.000 19 May 2025 04:28 pm

189) 05190078.D DX_220112 FRONT ONLY.M
CO 150 1.000 19 May 2025 04:40 pm

190) 05190080.D DX_220112 FRONT ONLY.M
CO 150 1.000 19 May 2025 04:51 pm

191) 05190082.D DX_220112 FRONT ONLY.M
CO 150 1.000 19 May 2025 05:03 pm

192) 05190084.D DX_220112 FRONT ONLY.M
2505073-017A 124 1.000 19 May 2025 05:14 pm

193) 05190086.D DX_220112 FRONT ONLY.M
CO 150 1.000 19 May 2025 05:26 pm

194) 05190088.D DX_220112 FRONT ONLY.M
CO 150 1.000 19 May 2025 05:37 pm

195) 05190090.D DX_220112 FRONT ONLY.M
CO 150 1.000 19 May 2025 05:49 pm

196) 05190092.D DX_220112 FRONT ONLY.M
OIL-CCV 2 1.000 19 May 2025 06:01 pm

197) 05190094.D DX_220112 FRONT ONLY.M
DX-CCV 1 1.000 19 May 2025 06:12 pm

198) 05190096.D DX_220112 FRONT ONLY.M
2504717-012A 52 1.000 19 May 2025 06:24 pm

199) 05190098.D DX_220112 FRONT ONLY.M
2504717-011A 51 1.000 19 May 2025 06:35 pm

200) 05190100.D DX_220112 FRONT ONLY.M
CO 150 1.000 19 May 2025 06:46 pm

201) 05190102.D DX_220112 FRONT ONLY.M
2504717-015A 53 1.000 19 May 2025 06:58 pm

202) 05190104.D DX_220112 FRONT ONLY.M
CO 150 1.000 19 May 2025 07:10 pm

203) 05190106.D DX_220112 FRONT ONLY.M
2504717-016A 54 1.000 19 May 2025 07:21 pm

204) 05190108.D DX_220112 FRONT ONLY.M
CO 150 1.000 19 May 2025 07:33 pm

205) 05190110.D DX_220112 FRONT ONLY.M
2505258-001B 115 1.000 19 May 2025 07:44 pm

206) 05190112.D DX_220112 FRONT ONLY.M
2505258-002B 116 1.000 19 May 2025 07:56 pm

207) 05190114.D DX_220112 FRONT ONLY.M
2505258-003B 117 1.000 19 May 2025 08:07 pm

208) 05190116.D DX_220112 FRONT ONLY.M
2505258-004B 118 1.000 19 May 2025 08:19 pm

209) 05190118.D DX_220112 FRONT ONLY.M
2505260-001A 119 1.000 19 May 2025 08:30 pm

210) 05190120.D DX_220112 FRONT ONLY.M
2505260-002A 120 1.000 19 May 2025 08:42 pm

211) 05190122.D DX_220112 FRONT ONLY.M
2505260-003A 141 1.000 19 May 2025 08:53 pm

212) 05190124.D DX_220112 FRONT ONLY.M
2505260-004A 142 1.000 19 May 2025 09:05 pm

213) 05190126.D DX_220112 FRONT ONLY.M
OIL-CCV 2 1.000 19 May 2025 09:16 pm

214) 05190128.D DX_220112 FRONT ONLY.M
DX-CCV 1 1.000 19 May 2025 09:28 pm

215) 05190130.D DX_220112 FRONT ONLY.M
2505260-005A 143 1.000 19 May 2025 09:39 pm

216) 05190132.D DX_220112 FRONT ONLY.M
2505260-006A 144 1.000 19 May 2025 09:51 pm

217) 05190134.D DX_220112 FRONT ONLY.M
2505261-001B 145 1.000 19 May 2025 10:02 pm

218) 05190136.D DX_220112 FRONT ONLY.M
2505280-001A 84 1.000 19 May 2025 10:14 pm

219) 05190138.D DX_220112 FRONT ONLY.M
2505289-001A 85 1.000 19 May 2025 10:25 pm

220) 05190140.D DX_220112 FRONT ONLY.M
2505298-001A 86 1.000 19 May 2025 10:37 pm

221) 05190142.D DX_220112 FRONT ONLY.M
2505298-002A 87 1.000 19 May 2025 10:48 pm

222) 05190144.D DX_220112 FRONT ONLY.M
2505300-001B 88 1.000 19 May 2025 11:00 pm

223) 05190146.D DX_220112 FRONT ONLY.M
2505301-001A 89 1.000 19 May 2025 11:11 pm

224) 05190148.D DX_220112 FRONT ONLY.M
2505309-001B 93 1.000 19 May 2025 11:23 pm

225) 05190150.D DX_220112 FRONT ONLY.M
2505321-005B 94 1.000 19 May 2025 11:34 pm

226) 05190152.D DX_220112 FRONT ONLY.M
2505262-001A 146 1.000 19 May 2025 11:46 pm

227) 05190154.D DX_220112 FRONT ONLY.M
CO 150 1.000 19 May 2025 11:58 pm

228) 05190156.D DX_220112 FRONT ONLY.M
2505306-001A 92 1.000 20 May 2025 12:09 am

229) 05190158.D DX_220112 FRONT ONLY.M
CO 150 1.000 20 May 2025 12:21 am

230) 05190160.D DX_220112 FRONT ONLY.M
2505305-001A 90 1.000 20 May 2025 12:32 am

231) 05190162.D DX_220112 FRONT ONLY.M
CO 150 1.000 20 May 2025 12:44 am

232) 05190164.D DX_220112 FRONT ONLY.M
2505305-001ADUP 91 1.000 20 May 2025 12:55 am
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233) 05190166.D DX_220112 FRONT ONLY.M
CO 150 1.000 20 May 2025 01:07 am
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234) 05190168.D DX_220112 FRONT ONLY.M
CO 150 1.000 20 May 2025 01:18 am
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235) 05190170.D DX_220112 FRONT ONLY.M
CO 150 1.000 20 May 2025 01:30 am
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236) 05190172.D DX_220112 FRONT ONLY.M
OIL-CCV 2 1.000 20 May 2025 01:41 am
---
237) 05190174.D DX_220112 FRONT ONLY.M
DX-CCV 1 1.000 20 May 2025 01:53 am
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238) 05190176.D DX_220112 FRONT ONLY.M
MB-47764 11 1.000 20 May 2025 02:04 am
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239) 05190178.D DX_220112 FRONT ONLY.M
LCS-47764 12 1.000 20 May 2025 02:16 am
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240) 05190180.D DX_220112 FRONT ONLY.M
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241) 05190182.D DX_220112 FRONT ONLY.M
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242) 05190184.D DX_220112 FRONT ONLY.M
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243) 05190186.D DX_220112 FRONT ONLY.M
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244) 05190188.D DX_220112 FRONT ONLY.M
2505358-003A 17 1.000 20 May 2025 03:13 am
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245) 05190190.D DX_220112 FRONT ONLY.M
2505358-004A 18 1.000 20 May 2025 03:25 am
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246) 05190192.D DX_220112 FRONT ONLY.M
2505358-005A 19 1.000 20 May 2025 03:36 am
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247) 05190194.D DX_220112 FRONT ONLY.M
OIL-CCV 2 1.000 20 May 2025 03:47 am
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248) 05190196.D DX_220112 FRONT ONLY.M
DX-CCV 1 1.000 20 May 2025 03:59 am
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249) 05190198.D DX_220112 FRONT ONLY.M
MB-47754 21 1.000 20 May 2025 04:10 am
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250) 05190200.D DX_220112 FRONT ONLY.M
LCS-47754 22 1.000 20 May 2025 04:22 am
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251) 05190202.D DX_220112 FRONT ONLY.M
2505314-001A 24 1.000 20 May 2025 04:33 am
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252) 05190204.D DX_220112 FRONT ONLY.M
2505314-002A 25 1.000 20 May 2025 04:45 am
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253) 05190206.D DX_220112 FRONT ONLY.M
2505314-003A 26 1.000 20 May 2025 04:56 am
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254) 05190208.D DX_220112 FRONT ONLY.M
2505314-004A 27 1.000 20 May 2025 05:08 am
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255) 05190210.D DX_220112 FRONT ONLY.M

2505314-005A 28 1.000 20 May 2025 05:19 am

256) 05190212.D DX_220112 FRONT ONLY.M
2505314-005AMS 29 1.000 20 May 2025 05:31 am

257) 05190214.D DX_220112 FRONT ONLY.M
2505314-005AMSD 30 1.000 20 May 2025 05:42 am

258) 05190216.D DX_220112 FRONT ONLY.M
2505314-006A 31 1.000 20 May 2025 05:54 am

259) 05190218.D DX_220112 FRONT ONLY.M
2505329-009A 40 1.000 20 May 2025 06:05 am

260) 05190220.D DX_220112 FRONT ONLY.M
2505329-010A 41 1.000 20 May 2025 06:17 am

261) 05190222.D DX_220112 FRONT ONLY.M
2505329-011A 42 1.000 20 May 2025 06:28 am

262) 05190224.D DX_220112 FRONT ONLY.M
2505329-013A 45 1.000 20 May 2025 06:40 am

263) 05190226.D DX_220112 FRONT ONLY.M
OIL-CCV 2 1.000 20 May 2025 06:51 am

264) 05190228.D DX_220112 FRONT ONLY.M
DX-CCV 1 1.000 20 May 2025 07:03 am

265) 05190230.D DX_220112 FRONT ONLY.M
2505329-001A 32 1.000 20 May 2025 07:14 am

266) 05190232.D DX_220112 FRONT ONLY.M
CO 150 1.000 20 May 2025 07:26 am

267) 05190234.D DX_220112 FRONT ONLY.M
2505329-002A 33 1.000 20 May 2025 07:37 am

268) 05190236.D DX_220112 FRONT ONLY.M
CO 150 1.000 20 May 2025 07:49 am

269) 05190238.D DX_220112 FRONT ONLY.M
2505329-003A 34 1.000 20 May 2025 08:00 am

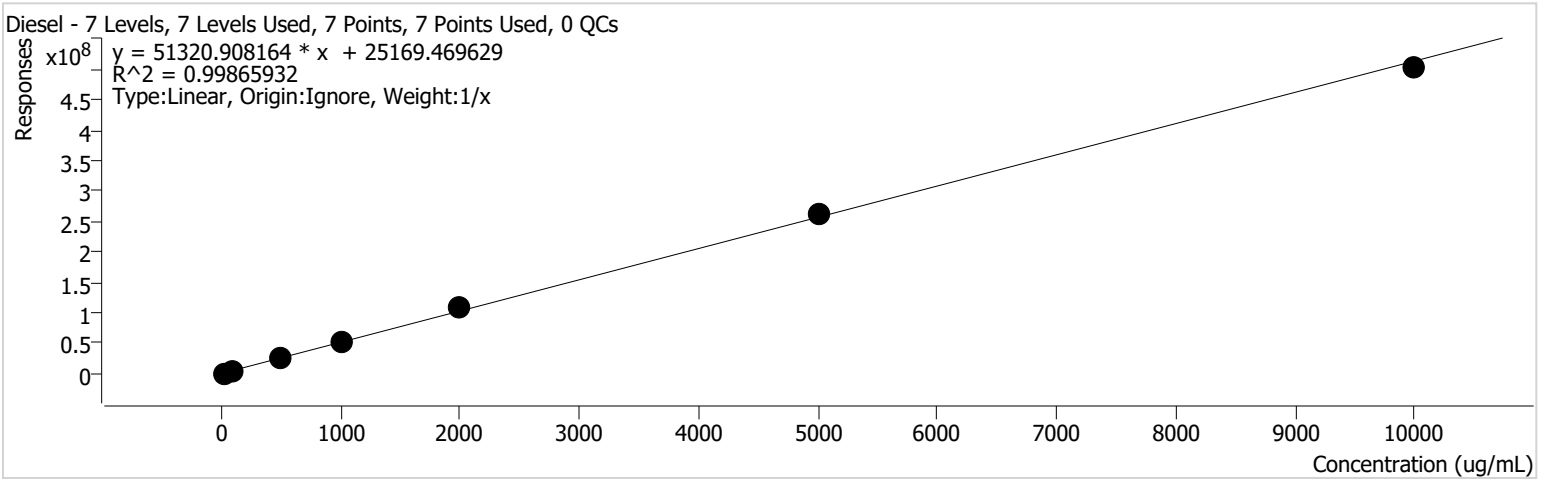
270) 05190240.D DX_220112 FRONT ONLY.M
CO 150 1.000 20 May 2025 08:12 am

Calibration

Quantitative Analysis Calibration Report

Batch Data Path	C:\GC-24\Data\2025\250507FRONT\QuantResults\DX HO ICAL.batch.bin		
Analysis Time Stamp	5/8/2025 11:45:33 AM	**Analyst Name**	FA\SeanATG
Report Generation Time	5/8/2025 11:46:44 AM	**Reporter Name**	FA\SeanATG
Calibration Last Update	5/8/2025 11:45:10 AM	**Batch State**	Processed
Analyze Quant Version	10.0	**Report Quant Version**	10.1

Diesel **Relative Standard Error** 8.6

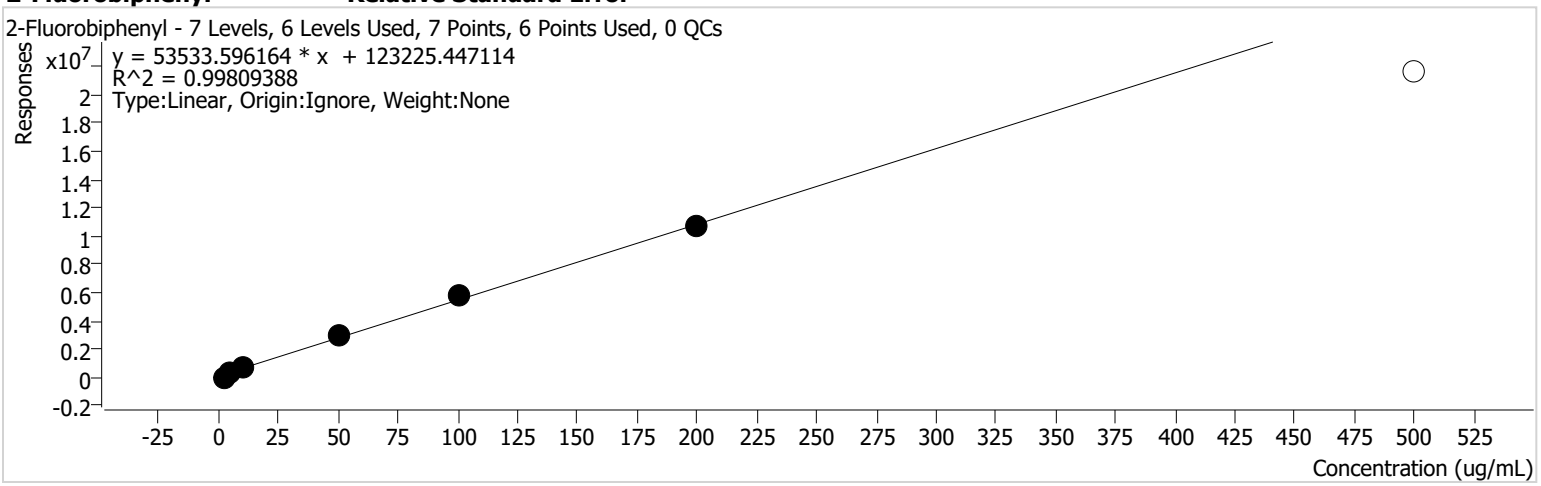


Calibration STD Path	Type	Level	Enable	Conc.	Response	RF	Level RSD
C:\GC-24\Data\2025\250507FRONT\05070030.D	Calibration	1	x	20.0000	1153935	57696.7604	
C:\GC-24\Data\2025\250507FRONT\05070032.D	Calibration	2	x	100.0000	4502432	45024.3242	
C:\GC-24\Data\2025\250507FRONT\05070034.D	Calibration	3	x	500.0000	24280973	48561.9459	
C:\GC-24\Data\2025\250507FRONT\05070036.D	Calibration	4	x	1000.0000	51588886	51588.8860	
C:\GC-24\Data\2025\250507FRONT\05070038.D	Calibration	5	x	2000.0000	110809859	55404.9293	
C:\GC-24\Data\2025\250507FRONT\05070040.D	Calibration	6	x	5000.0000	262317824	52463.5648	
C:\GC-24\Data\2025\250507FRONT\05070042.D	Calibration	7	x	10000.0000	501117587	50111.7587	

Quantitative Analysis Calibration Report

Batch Data Path	C:\GC-24\Data\2025\250507FRONT\QuantResults\DX HO ICAL.batch.bin		
Analysis Time Stamp	5/8/2025 11:45:33 AM	**Analyst Name**	FA\SeanATG
Report Generation Time	5/8/2025 11:46:44 AM	**Reporter Name**	FA\SeanATG
Calibration Last Update	5/8/2025 11:45:10 AM	**Batch State**	Processed
Analyze Quant Version	10.0	**Report Quant Version**	10.1

2-Fluorobiphenyl **Relative Standard Error**

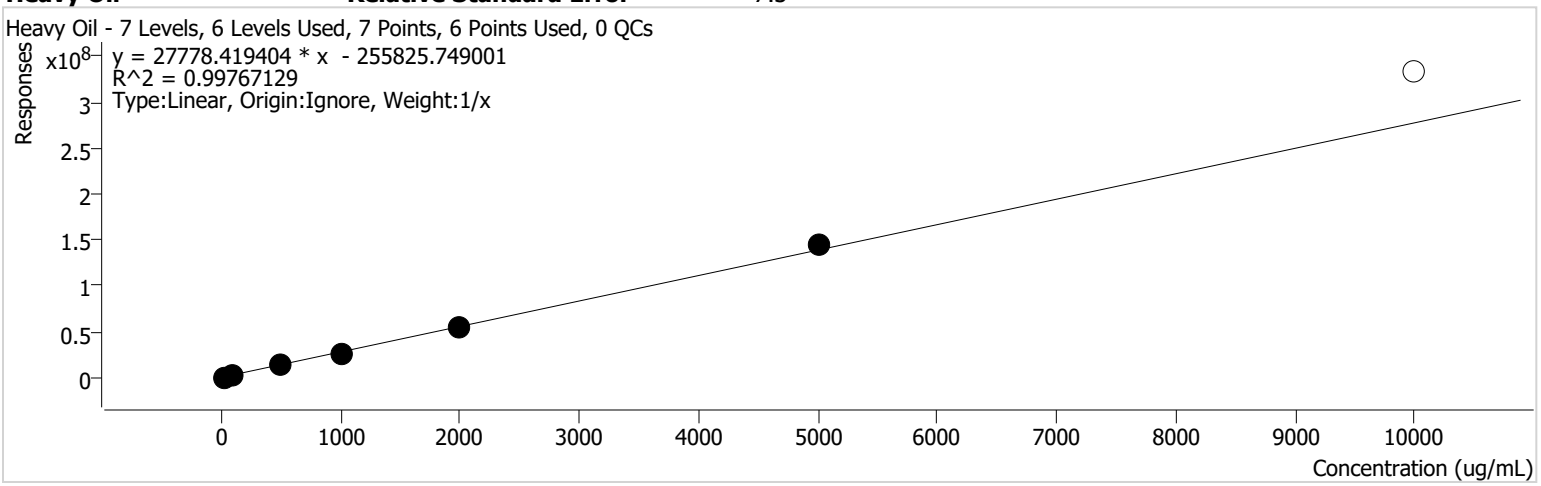


Calibration STD Path	Type	Level	Enable	Conc.	Response	RF	Level RSD
C:\GC-24\Data\2025\250507FRONT\05070048.D	Calibration	1	x	2.0000	46381	23190.3855	
C:\GC-24\Data\2025\250507FRONT\05070050.D	Calibration	2	x	5.0000	316624	63324.8137	
C:\GC-24\Data\2025\250507FRONT\05070052.D	Calibration	3	x	10.0000	674224	67422.3544	
C:\GC-24\Data\2025\250507FRONT\05070056.D	Calibration	4	x	50.0000	2931964	58639.2725	
C:\GC-24\Data\2025\250507FRONT\05070060.D	Calibration	5	x	100.0000	5757710	57577.1020	
C:\GC-24\Data\2025\250507FRONT\05080004.D	Calibration	6	x	200.0000	10659280	53296.4013	
C:\GC-24\Data\2025\250507FRONT\05070072.D	Calibration	7	x	500.0000	21566043	43132.0859	

Quantitative Analysis Calibration Report

Batch Data Path	C:\GC-24\Data\2025\250507FRONT\QuantResults\DX HO ICAL.batch.bin		
Analysis Time Stamp	5/8/2025 11:45:33 AM	**Analyst Name**	FA\SeanATG
Report Generation Time	5/8/2025 11:46:44 AM	**Reporter Name**	FA\SeanATG
Calibration Last Update	5/8/2025 11:45:10 AM	**Batch State**	Processed
Analyze Quant Version	10.0	**Report Quant Version**	10.1

Heavy Oil **Relative Standard Error** 7.3

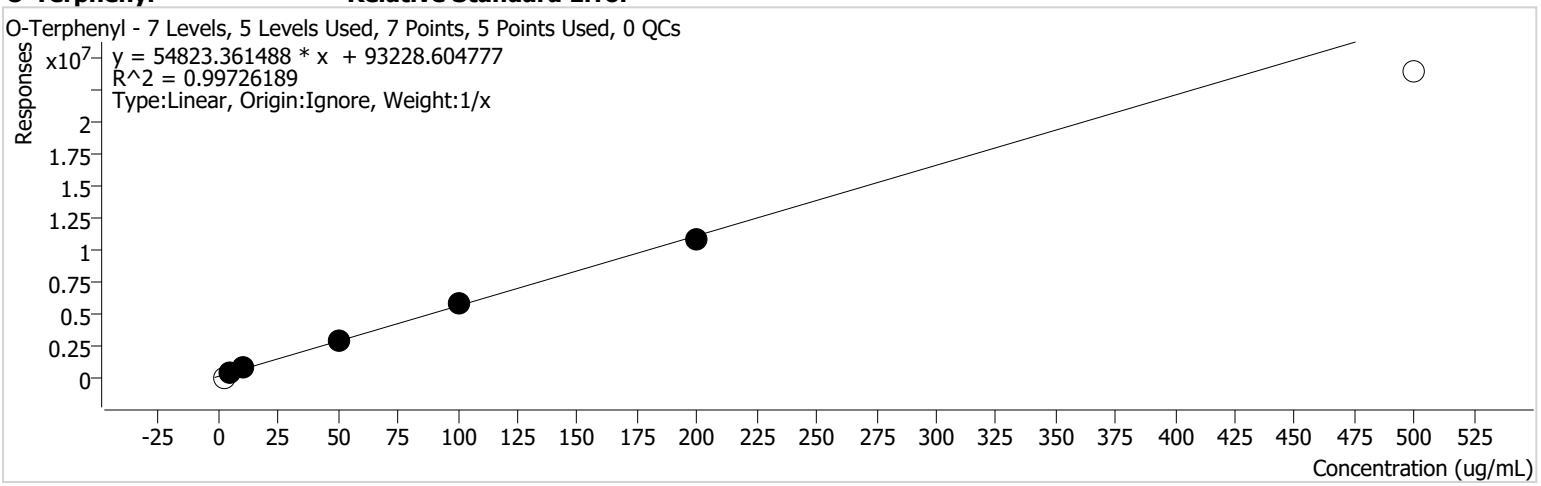


Calibration STD Path	Type	Level	Enable	Conc.	Response	RF	Level RSD
C:\GC-24\Data\2025\250507FRONT\05070048.D	Calibration	1	x	20.0000	298196	14909.7881	
C:\GC-24\Data\2025\250507FRONT\05070050.D	Calibration	2	x	100.0000	2789208	27892.0764	
C:\GC-24\Data\2025\250507FRONT\05070052.D	Calibration	3	x	500.0000	13776048	27552.0952	
C:\GC-24\Data\2025\250507FRONT\05070056.D	Calibration	4	x	1000.0000	24903581	24903.5811	
C:\GC-24\Data\2025\250507FRONT\05070060.D	Calibration	5	x	2000.0000	52957592	26478.7961	
C:\GC-24\Data\2025\250507FRONT\05080004.D	Calibration	6	x	5000.0000	143190396	28638.0793	
C:\GC-24\Data\2025\250507FRONT\05070072.D	Calibration	7	x	10000.0000	332514240	33251.4240	

Quantitative Analysis Calibration Report

Batch Data Path	C:\GC-24\Data\2025\250507FRONT\QuantResults\DX HO ICAL.batch.bin		
Analysis Time Stamp	5/8/2025 11:45:33 AM	**Analyst Name**	FA\SeanATG
Report Generation Time	5/8/2025 11:46:44 AM	**Reporter Name**	FA\SeanATG
Calibration Last Update	5/8/2025 11:45:10 AM	**Batch State**	Processed
Analyze Quant Version	10.0	**Report Quant Version**	10.1

O-Terphenyl **Relative Standard Error**



Calibration STD Path	Type	Level	Enable	Conc.	Response	RF	Level RSD
C:\GC-24\Data\2025\250507FRONT\05070048.D	Calibration	1	x	2.0000	47219	23609.7050	
C:\GC-24\Data\2025\250507FRONT\05070050.D	Calibration	2	x	5.0000	322933	64586.6080	
C:\GC-24\Data\2025\250507FRONT\05070052.D	Calibration	3	x	10.0000	700486	70048.5540	
C:\GC-24\Data\2025\250507FRONT\05070056.D	Calibration	4	x	50.0000	2954671	59093.4292	
C:\GC-24\Data\2025\250507FRONT\05070060.D	Calibration	5	x	100.0000	5825380	58253.7983	
C:\GC-24\Data\2025\250507FRONT\05080004.D	Calibration	6	x	200.0000	10673200	53366.0005	
C:\GC-24\Data\2025\250507FRONT\05070072.D	Calibration	7	x	500.0000	23778670	47557.3404	

Diesel Calibration

Date: 5/7/25 **DX CAL STD:** 29114 Concentration: 50,000 ug/L

Analyst: Zach D. **DX ICV (SS):** 28397 Concentration: 50,000 ug/L

MeCl2: 8925 **Surr:** 31009 Concentration 1000 mg/L

GC-24 Front	Calibration Point (ppm)	MeCl2 (uL)	STD Conc (ppm)	STD Amt (uL)	Surr (uL)	Final Vol. (mL)	Comments	GC-28 F+B
61	20	980	1000*	20*	-	1		101
62	100	900	1000*	100*	-	1		102
63	500	990	50,000	10	-	1		103
64	1000*	980	50,000	20	-	1		104
65	2000	960	50,000	40	-	1		105
66	5000	900	50,000	100	-	1	*Note: the 1000 point will be used to make points 100 and 20	106
67	10000	800	50,000	200	-	1		107
68	ICB	990	-	-	10	1		108
69	ICV (500)	980	50,000 SS	10	10	1		109

Signature and Date: Zachary D. 5/7/25

Signature: ADK

Heavy Oil Calibration

Date: 5/7/25 **Oil CAL STD:** 29685 Concentration: 50,000 ug/L

Analyst: Zach D. **Oil ICV (SS):** 27047 Concentration: 50,000 ug/L

MeCl2: 8925 **SURROGATE:** 31009 Concentration: 1,000 ug/L

GC-24 Front

	Calibration Point (ppm)	Surr Cal Point (ppm)	MeCl2 (uL)	STD Conc (ppm)	STD Amt (uL)	Surr Amt (uL)	Final Vol. (mL)	Comments
71	20	2	980	1000*	20*	-	1	*Note: the 1000 point w/ HO and surr will be used to make points 100 and 20
72	100	5	900	1000*	100*	-	1	
73	500	10	980	50,000	10	10	1	
74	1000*	50	930	50,000	20	50	1	
75	2000	100	860	50,000	40	100	1	
76	5000	200	700	50,000	100	200	1	
77	10000	500	300	50,000	200	500	1	
78	ICB	-	990	-	-	10	1	
79	ICV (500)	10	980	50,000 SS	10	10	1	

GC-28 F+B

111 112 113 114 115 116 117 118 119

Signature and Date: Zachary R. 5/7/25

Signature: ADK

Calibration Checklist - Diesel

Analyst Name:	Zach D.	**Test:**	O-DXEX-S/W, O-DOD-DXEX-S/W
Instrument:	GC-24 Front	**Calibration Date:**	5/7/25
Run Number:	99578	**Reporting Date:**	5/8/25

Calibration Curve		**Analyst**	
Requirement	**Detail**	**Yes**	**No**
Number of Points	The calibration includes at least 5 points. Note any dropped or re-ran points.	✔	
Allowed Curve Fits	The calibration uses a linear fit. Origin is either ignored or forced.	✔	
Curve Fit Weights	Allowed weights can be applied (1/x, $1/x^2$). Cannot combine with force origin.	✔	
R-Squared / RSD	r^2 ≥0.995 or RSD ≤20%	✔	
LOQ in Calibration	Are Omega LOQs within the calibration range? Note exceptions	✔	
Notes on Section		**Reviewer**	
Dropped highest oil point. Dropped highest surrogate points.		**Yes** ✔	**No**

Numerical Results		**Analyst**	
Requirement	**Detail**	**Yes**	**No**
Relative Error	At LOQ-Associated Point: 50-150%, Above LOQ Point: 85-115%	✔	
ICB Results	Calibration analytes are not detected in the ICB - note exceptions below		✔
ICV Results	Recoveries in the ICV are 80-120% (70-130% for NWTPH-Dx and EPA 8015d, 75-125% for AK102/103)	✔	
Notes on Section		**Reviewer**	
Oil ICB had hit, but DX ICB was all ND.		**Yes** ✔	**No**

Documentation		**Analyst**	
Requirement	**Detail**	**Yes**	**No**
Standards & Reagents	Surrogate, Diesel cal std and ICV, Heavy Oil cal std and ICV, DCM	✔	
ICV Second Source	ICV made from a separate source than calibration (excl. surrogate)	✔	
Documents Attached	Calibration benchsheet, injection log, chromatograms, initial calibration report, general calibration report	✔	
Notes on Section		**Reviewer**	
		Yes ✔	**No**

Other Requirements		**Analyst**	
Requirement	**Detail**	**Yes**	**No**
Carbon Range Integration	EPA 8015d: DRO is C_{10}-C_{28}. AK102/103: DRO is C_{10}-C_{25}, RRO is C_{25}-C_{36}. NWTPH,DoD: n/a.	✔	
Meets DoD?	To meet DoD requirements, the RS and ICV results must pass at their strictest ranges.	✔	
Notes on Section		**Reviewer**	
		Yes ✔	**No**

Additional Notes Section

Signatures

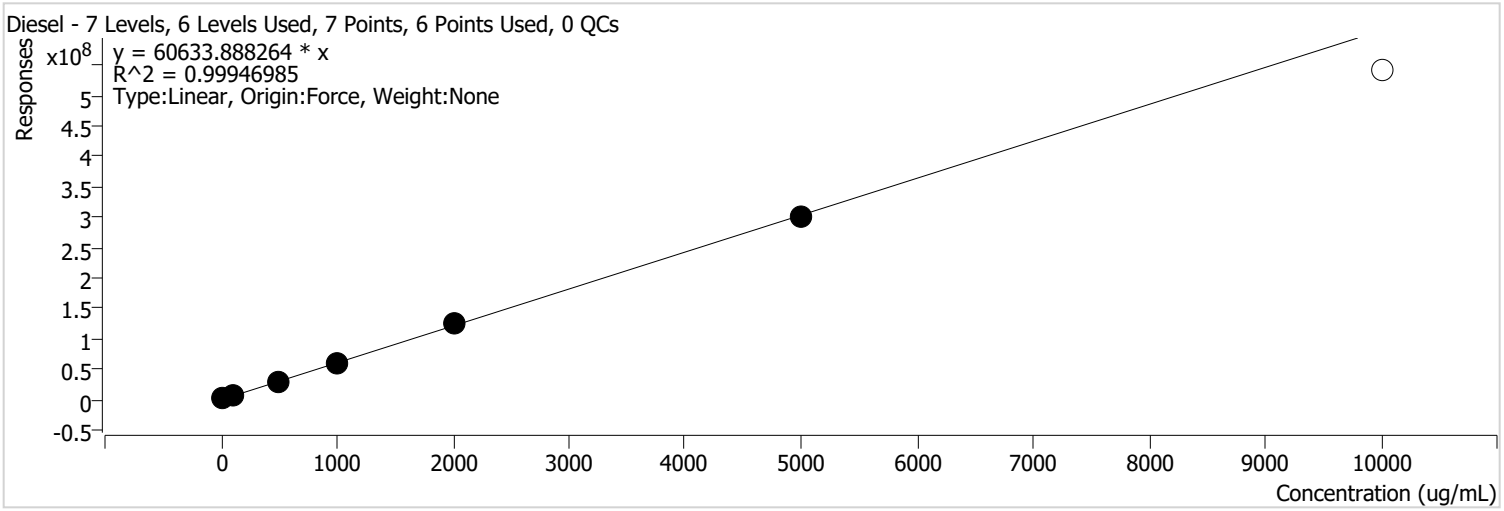
This calibration meets the QA Program of Alliance Technical Group, LLC - Seattle, with any deviations enumerated above:

Analyst Initials:	ZD	**Date:**	5/8/25
Reviewer Initials:	LAD	**Date:**	6/18/25

Calibration Report

Batch Path	N:\GC-24\Data\2025\250516FRONT\QuantResults\DX HO ICAL.batch.bin		
Analysis Time	5/19/2025 8:58 AM	**Analyst Name**	FA\shouser
Report Time	5/19/2025 8:58:56 AM	**Reporter Name**	FA\shouser
Last Calib Update	5/19/2025 8:45 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Diesel %RSE =

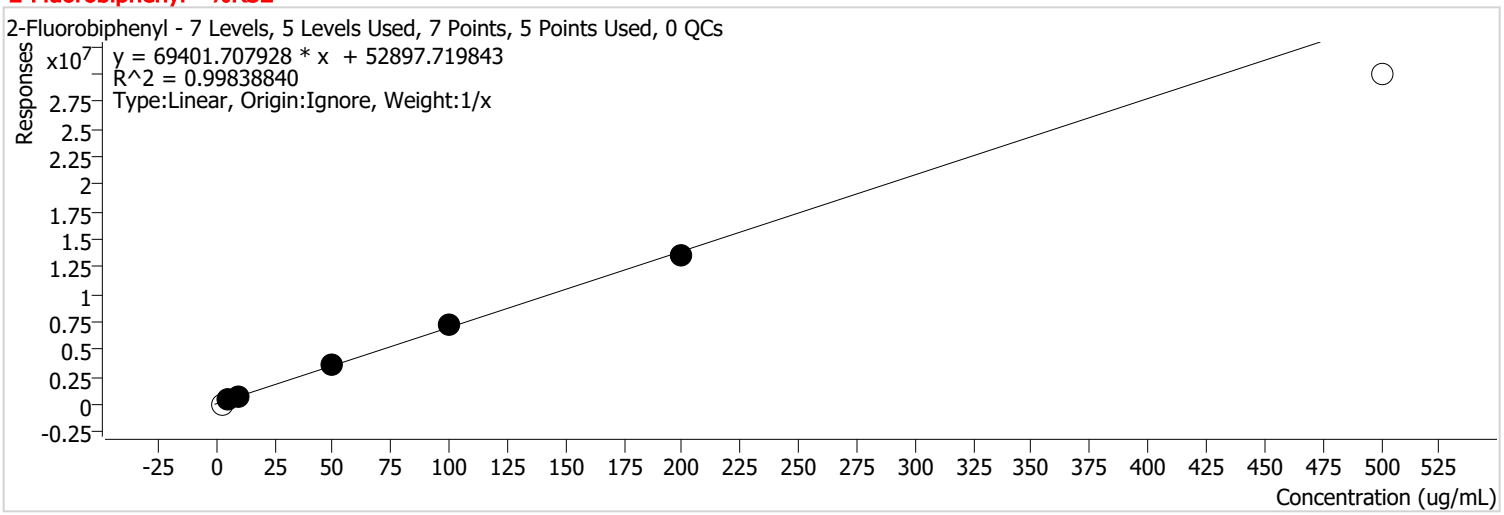


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
N:\GC-24\Data\2025\250516FRONT\05160088.D	Calibration	1	x	1067182	20.0000	53359.1053	
N:\GC-24\Data\2025\250516FRONT\05160090.D	Calibration	2	x	5836251	100.0000	58362.5149	
N:\GC-24\Data\2025\250516FRONT\05160092.D	Calibration	3	x	29071127	500.0000	58142.2541	
N:\GC-24\Data\2025\250516FRONT\05160094.D	Calibration	4	x	59451655	1000.0000	59451.6546	
N:\GC-24\Data\2025\250516FRONT\05160096.D	Calibration	5	x	126617582	2000.0000	63308.7910	
N:\GC-24\Data\2025\250516FRONT\05160098.D	Calibration	6	x	301395672	5000.0000	60279.1345	
N:\GC-24\Data\2025\250516FRONT\05160100.D	Calibration	7		540165994	10000.0000	54016.5994	

Calibration Report

Batch Path	N:\GC-24\Data\2025\250516FRONT\QuantResults\DX HO ICAL.batch.bin		
Analysis Time	5/19/2025 8:58 AM	**Analyst Name**	FA\shouser
Report Time	5/19/2025 8:58:57 AM	**Reporter Name**	FA\shouser
Last Calib Update	5/19/2025 8:45 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Fluorobiphenyl %RSE =

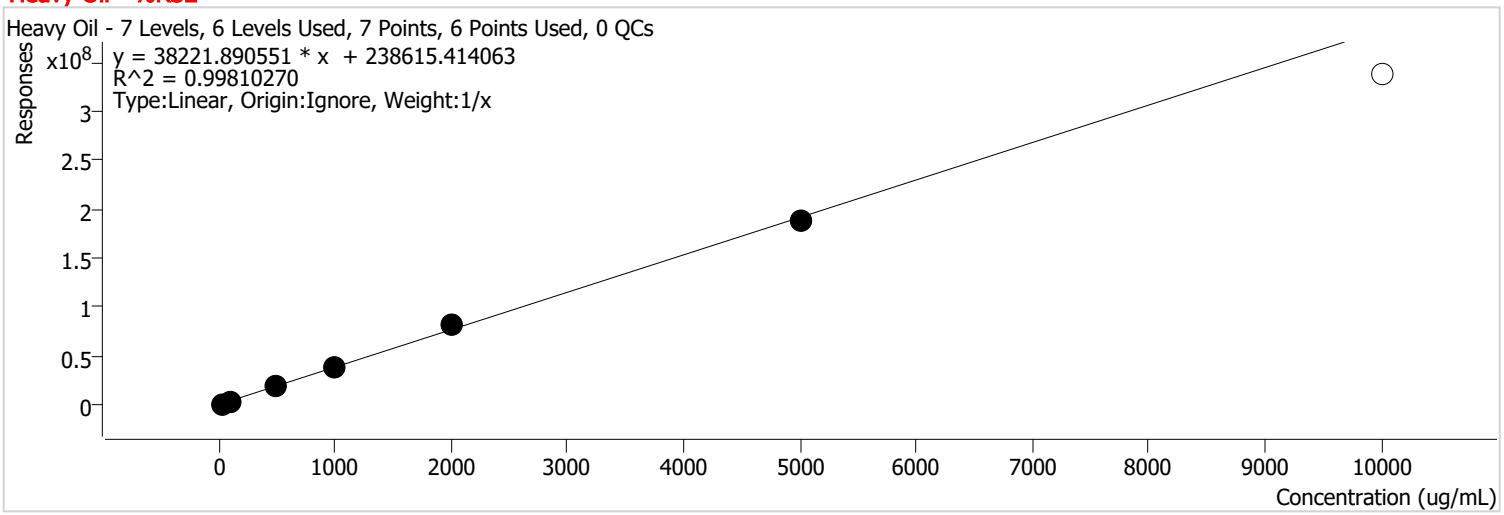


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
N:\GC-24\Data\2025\250516FRONT\05160106.D	Calibration	1		53458	2.0000	26728.9332	
N:\GC-24\Data\2025\250516FRONT\05160108.D	Calibration	2	x	356377	5.0000	71275.4930	
N:\GC-24\Data\2025\250516FRONT\05160110.D	Calibration	3	x	796749	10.0000	79674.8517	
N:\GC-24\Data\2025\250516FRONT\05160114.D	Calibration	4	x	3727532	50.0000	74550.6304	
N:\GC-24\Data\2025\250516FRONT\05160120.D	Calibration	5	x	7130206	100.0000	71302.0564	
N:\GC-24\Data\2025\250516FRONT\05160128.D	Calibration	6	x	13585249	200.0000	67926.2442	
N:\GC-24\Data\2025\250516FRONT\05160138.D	Calibration	7		29958447	500.0000	59916.8945	

Calibration Report

Batch Path	N:\GC-24\Data\2025\250516FRONT\QuantResults\DX HO ICAL.batch.bin		
Analysis Time	5/19/2025 8:58 AM	**Analyst Name**	FA\shouser
Report Time	5/19/2025 8:58:57 AM	**Reporter Name**	FA\shouser
Last Calib Update	5/19/2025 8:45 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Heavy Oil %RSE =

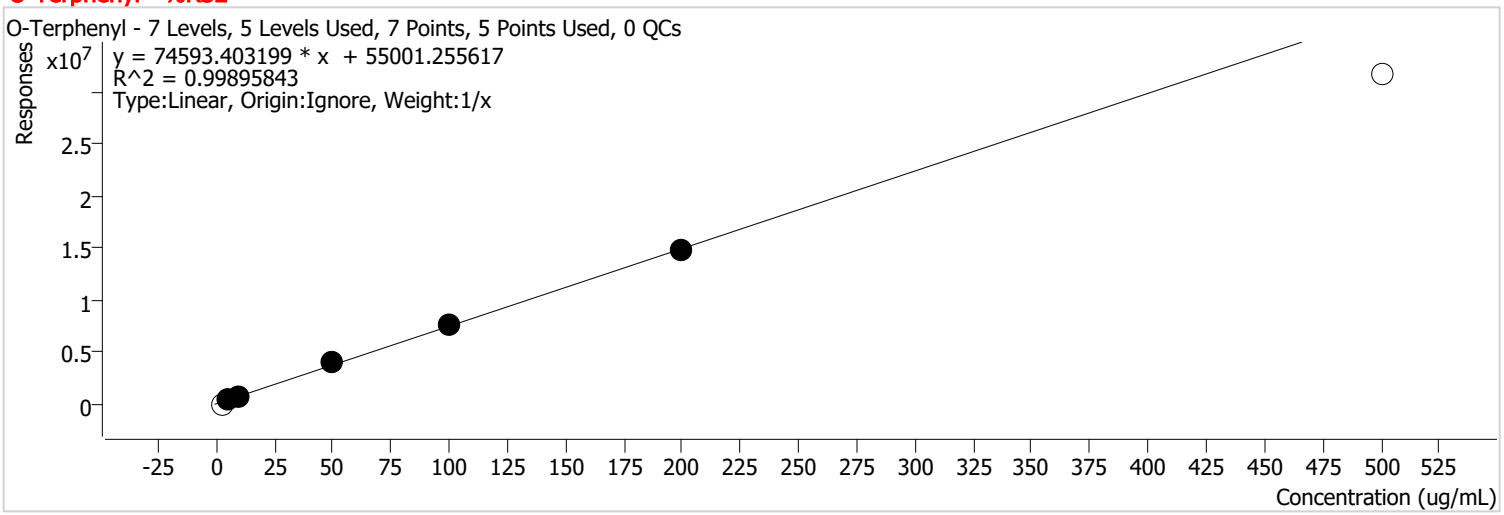


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
N:\GC-24\Data\2025\250516FRONT\05160106.D	Calibration	1	x	1063671	20.0000	53183.5742	
N:\GC-24\Data\2025\250516FRONT\05160108.D	Calibration	2	x	3812048	100.0000	38120.4798	
N:\GC-24\Data\2025\250516FRONT\05160110.D	Calibration	3	x	18353222	500.0000	36706.4441	
N:\GC-24\Data\2025\250516FRONT\05160114.D	Calibration	4	x	37842910	1000.0000	37842.9099	
N:\GC-24\Data\2025\250516FRONT\05160120.D	Calibration	5	x	82370766	2000.0000	41185.3829	
N:\GC-24\Data\2025\250516FRONT\05160128.D	Calibration	6	x	187461772	5000.0000	37492.3544	
N:\GC-24\Data\2025\250516FRONT\05160138.D	Calibration	7		336899650	10000.0000	33689.9650	

Calibration Report

Batch Path	N:\GC-24\Data\2025\250516FRONT\QuantResults\DX HO ICAL.batch.bin		
Analysis Time	5/19/2025 8:58 AM	**Analyst Name**	FA\shouser
Report Time	5/19/2025 8:58:57 AM	**Reporter Name**	FA\shouser
Last Calib Update	5/19/2025 8:45 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

O-Terphenyl %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
N:\GC-24\Data\2025\250516FRONT\05160106.D	Calibration	1		58211	2.0000	29105.6501	
N:\GC-24\Data\2025\250516FRONT\05160108.D	Calibration	2	x	384870	5.0000	76974.0170	
N:\GC-24\Data\2025\250516FRONT\05160110.D	Calibration	3	x	858190	10.0000	85818.9512	
N:\GC-24\Data\2025\250516FRONT\05160114.D	Calibration	4	x	3961759	50.0000	79235.1744	
N:\GC-24\Data\2025\250516FRONT\05160120.D	Calibration	5	x	7576079	100.0000	75760.7868	
N:\GC-24\Data\2025\250516FRONT\05160128.D	Calibration	6	x	14720701	200.0000	73603.5073	
N:\GC-24\Data\2025\250516FRONT\05160138.D	Calibration	7		31665729	500.0000	63331.4590	

Diesel Calibration

Date: 5/7/25 **DX CAL STD:** 29114 Concentration: 50,000 ug/L

Analyst: Zach D. **DX ICV (SS):** 28397 Concentration: 50,000 ug/L

MeCl2: 8925 **Surr:** 31009 Concentration 1000 mg/L

GC-24 Front	Calibration Point (ppm)	MeCl2 (uL)	STD Conc (ppm)	STD Amt (uL)	Surr (uL)	Final Vol. (mL)	Comments	GC-28 F+B
61	20	980	1000*	20*	-	1		101
62	100	900	1000*	100*	-	1		102
63	500	990	50,000	10	-	1		103
64	1000*	980	50,000	20	-	1		104
65	2000	960	50,000	40	-	1		105
66	5000	900	50,000	100	-	1	*Note: the 1000 point will be used to make points 100 and 20	106
67	10000	800	50,000	200	-	1		107
68	ICB	990	-	-	10	1		108
69	ICV (500)	980	50,000 SS	10	10	1		109

Signature and Date: Zachary D. 5/7/25

Signature: ADK

Heavy Oil Calibration

Date: 5/7/25 **Oil CAL STD:** 29685 Concentration: 50,000 ug/L

Analyst: Zach D. **Oil ICV (SS):** 27047 Concentration: 50,000 ug/L

MeCl2: 8925 **SURROGATE:** 31009 Concentration: 1,000 ug/L

GC-24 Front

	Calibration Point (ppm)	Surr Cal Point (ppm)	MeCl2 (uL)	STD Conc (ppm)	STD Amt (uL)	Surr Amt (uL)	Final Vol. (mL)	Comments
71	20	2	980	1000*	20*	-	1	*Note: the 1000 point w/ HO and surr will be used to make points 100 and 20
72	100	5	900	1000*	100*	-	1	
73	500	10	980	50,000	10	10	1	
74	1000*	50	930	50,000	20	50	1	
75	2000	100	860	50,000	40	100	1	
76	5000	200	700	50,000	100	200	1	
77	10000	500	300	50,000	200	500	1	
78	ICB	-	990	-	-	10	1	
79	ICV (500)	10	980	50,000 SS	10	10	1	

GC-28 F+B

111 112 113 114 115 116 117 118 119

Signature and Date: Zachary R. 5/7/25

Signature: ADK

Calibration Checklist - Diesel

Analyst Name:	Savannah Houser	**Test:**	O-DXEX
Instrument:	GC-24 Front	**Calibration Date:**	5/17/25
Run Number:	99836	**Reporting Date:**	5/19/25

Calibration Curve		**Analyst**	
Requirement	**Detail**	**Yes**	**No**
Number of Points	The calibration includes at least 5 points. Note any dropped or re-ran points.	✔	
Allowed Curve Fits	The calibration uses a linear fit. Origin is either ignored or forced.	✔	
Curve Fit Weights	Allowed weights can be applied (1/x, $1/x^2$). Cannot combine with force origin.	✔	
R-Squared / RSD	r^2 ≥0.995 or RSD ≤20%	✔	
LOQ in Calibration	Are Omega LOQs within the calibration range? Note exceptions	✔	
Notes on Section		**Reviewer**	
top of cal is 5000 for DX and HO		**Yes** ✔	**No**

Numerical Results		**Analyst**	
Requirement	**Detail**	**Yes**	**No**
Relative Error	At LOQ-Associated Point: 50-150%, Above LOQ Point: 85-115%	✔	
ICB Results	Calibration analytes are not detected in the ICB - note exceptions below	✔	
ICV Results	Recoveries in the ICV are 80-120% (70-130% for NWTPH-Dx and EPA 8015d, 75-125% for AK102/103)	✔	
Notes on Section		**Reviewer**	
		Yes ✔	**No**

Documentation		**Analyst**	
Requirement	**Detail**	**Yes**	**No**
Standards & Reagents	Surrogate, Diesel cal std and ICV, Heavy Oil cal std and ICV, DCM	✔	
ICV Second Source	ICV made from a separate source than calibration (excl. surrogate)	✔	
Documents Attached	Calibration benchsheet, injection log, chromatograms, initial calibration report, general calibration report	✔	
Notes on Section		**Reviewer**	
		Yes ✔	**No**

Other Requirements		**Analyst**	
Requirement	**Detail**	**Yes**	**No**
Carbon Range Integration	EPA 8015d: DRO is C_{10}-C_{28}. AK102/103: DRO is C_{10}-C_{25}, RRO is C_{25}-C_{36}. NWTPH,DoD: n/a.	✔	
Meets DoD?	To meet DoD requirements, the RS and ICV results must pass at their strictest ranges.	✔	
Notes on Section		**Reviewer**	
		Yes ✔	**No**

Additional Notes Section

Signatures

This calibration meets the QA Program of Alliance Technical Group, LLC - Seattle, with any deviations enumerated above:

Analyst Initials:	Savannah Houser	**Date:**	5/19/25
Reviewer Initials:	mwdl	**Date:**	5/19/25

Supporting Data

Diesel Water Prep Bench Sheet

Analyst:	DI + PC
Date and Time:	5/15/25
Batch:	47791

Equipment	
Type	ID
Balance:	4
Solvent Dispenser:	5
Buchi:	3
Other:	

Spikes / Chemicals / Reagents	Omega ID	Amount Used
Diesel Surrogate 1,000 ug/mL	31009	10 µL
Diesel Spike 50,000 ug/mL	304966	10 µL
1:1 Sulfuric Acid	7285	~1 mL
pH strips	31092	1/Each
Methylene Chloride	8970	70 mL
Sodium Sulfate	8648	~5 g
Silica Gel [Circle One: YES / NO]		
Filter Paper	31202	1/Each

Notes / Modifications

Bottle Roller Times	
Roller START:	1800
Roller STOP:	800
Roller START:	
Roller STOP:	

Buchi Concentration Times	
Buchi START:	
Buchi STOP:	
Buchi START:	
Buchi STOP:	

Final Volume Before Analysis	1 mL

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date
	DZ 5/15/25

Samples individually verified pH < 2, deviations noted	Initial/Date
	DZ 5/15/25

Sign and date below if you contributed to this preparation batch
5/15/25

Dilutions	
Sample ID	Dilution Description

Signature: ADK
Dx-W Prep Bench Sheet v1.3

Official Approval: 3/6/2025

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **5/15/2025 3:53:38 P**
Prep End Date:
Technician: **Drake Imanishi**

Prep Factor Units: **mL / mL**

Prep Batch ID: **47741** Prep Code: **PREP-DX-W** Method No: **SW3510C**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
GC-24 FRONT							
MB-47741 111		Water	400	1	0.003	5/15/2025	Preliminary
LCS-47741 112		Water	400	1	0.003	5/15/2025	Preliminary
LCSD-47741 113		Water	400	1	0.003	5/15/2025	Preliminary
2505258-001B	DUP-051225 115	Water	400	1	0.003	5/15/2025	Preliminary
2505258-002B	GEI-11-051225 116	Water	400	1	0.003	5/15/2025	Preliminary
2505258-003B	GEI-12-051225 117	Water	400	1	0.003	5/15/2025	Preliminary
2505258-004B	GEI-13-051225 118	Water	400	1	0.003	5/15/2025	Preliminary
2505260-001A	MW2-20250512 119	Groundwater	400	1	0.003	5/15/2025	Preliminary
2505260-002A	FB-20250512 120	Groundwater	400	1	0.003	5/15/2025	Preliminary
2505260-003A	MW1-20250512 141	Groundwater	400	1	0.003	5/15/2025	Preliminary
2505260-004A	MW4-20250512 142	Groundwater	400	1	0.003	5/15/2025	Preliminary
2505260-005A	MW3-20250512 143	Groundwater	400	1	0.003	5/15/2025	Preliminary
2505260-006A	MW3-20250512-DUP 144	Groundwater	400	1	0.003	5/15/2025	Preliminary
2505261-001B	BCMW-2-051325 145	Groundwater	400	1	0.003	5/15/2025	Preliminary
2505262-001A	Treatment 146	Stormwater	400	1	0.003	5/15/2025	Preliminary
2505316-001B* 114	COV-SWW36 5/25	Stormwater	400	1	0.003	5/15/2025	Preliminary

Batch 3
5/16/25
1:35 - 12:44

5/20

5/16

TQC Batch 3
9:33 - 10:40
5/16/25

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **5/15/2025 3:53:38 P**
Prep End Date: **5/16/2025 11:02:49**
Technician: **Drake Imanishi**

Prep Factor Units:
mL / mL

Prep Batch ID: **47741** Prep Code: **PREP-DX-W** Method No: **SW3510C**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-47741		Water	400	1	0.003	5/15/2025	5/16/2025
LCS-47741		Water	400	1	0.003	5/15/2025	5/16/2025
LCSD-47741		Water	400	1	0.003	5/15/2025	5/16/2025
2505258-001B	DUP-051225	Water	418.9	1	0.002	5/15/2025	5/16/2025
2505258-002B	GEI-11-051225	Water	431.18	1	0.002	5/15/2025	5/16/2025
2505258-003B	GEI-12-051225	Water	431.1	1	0.002	5/15/2025	5/16/2025
2505258-004B	GEI-13-051225	Water	425.23	1	0.002	5/15/2025	5/16/2025
2505260-001A	MW2-20250512	Groundwater	425	1	0.002	5/15/2025	5/16/2025
2505260-002A	FB-20250512	Groundwater	432.06	1	0.002	5/15/2025	5/16/2025
2505260-003A	MW1-20250512	Groundwater	431.96	1	0.002	5/15/2025	5/16/2025
2505260-004A	MW4-20250512	Groundwater	426.11	1	0.002	5/15/2025	5/16/2025
2505260-005A	MW3-20250512	Groundwater	430.77	1	0.002	5/15/2025	5/16/2025
2505260-006A	MW3-20250512-DUP	Groundwater	434.33	1	0.002	5/15/2025	5/16/2025
2505261-001B	BCMW-2-051325	Groundwater	429.93	1	0.002	5/15/2025	5/16/2025
2505262-001A	Treatment	Stormwater	427.95	1	0.002	5/15/2025	5/16/2025
2505316-001B	COV-SWW36 5/25	Stormwater	422.28	1	0.002	5/15/2025	5/16/2025

Reporting Checklist

Alliance TECHNICAL GROUP

Analyst: Zach D.	Workorder(s): 2505258, 05260
Date: 5/20/2025	
Prep #: 47741	
Run(s) #:99832	Analysis: O-DXEX-W

Y/N

Y **Run complete? (i.e., all QC, samples, dilutions present)**

Y **All QC within limits?** Exceedances acceptable per QA Manual and/or Auth'd by PM_____?

□CCV out □LCS out □MS out □Blank hits □IS/surr out □RPD out

□Hold time □Other_____

☐ Any pending dilutions, re-extracts, or reanalysis to be completed in future run?

☐ **Manual entries/narratives reviewed for accuracy? (note below)** Analyst: _____ Reviewer: _____

✔ **Omega checks performed?**

✔	SampID, Test Code, Samp Type, Prep	✔
✔	PMOIST, pH	✔
✔	BLKref, SPKref, RPDref, CCVref	✔
✔	Attachments	✔

☑Sequence ☑Cgrams ☑Bench Sheets ☑Perf Checks ☑Tech Doc

✔	Related Info	✔

☑ICAL Ref □ICAL Ack/QA'd? ☑Spiking Info/CCV Std □_____

✔	Reporting Checks	

□Dilutions/narr redundancy check (important!) □RLs OK (low wt, high pmoist, dilutions)

Notes for Reviewer

By signing, I attest that I have followed the SOP

Zach D.	5/20/2025	spg	5-20-25
Analyst	Date	Reviewer	Date

Signature: MG

DATA SET for Review - Deliverable Requirements

Gasoline by NWTPH-Gx

Alliance Technical Group Work Order No. 2505258

GeoEngineers

Project Name: 701/709 South Jackson St.

Project Number: 24504-001-04

This data set contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information
- Internal Standards Report

Injection Log

Data Directory: D:\GC-27\DATA\050225\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	050144.D	8260B_45to1_SS.M			
ICV		O-VOC-S-SS	33	1.000	02 May 2025 03:21 am
2)	050201.D	8260B_45to1_SS.M			
R		O-VOC-S-SS		1.000	02 May 2025 08:47 am
3)	050202.D	8260B_45to1_SS.M			
GX CCV		O-VOC-S-SS	34	1.000	02 May 2025 09:13 am
4)	050203.D	8260B_45to1_SS.M			
R		O-VOC-S-SS		1.000	02 May 2025 09:38 am
5)	050204.D	8260B_45to1_SS.M			
MB-S		O-VOC-S-SS	35	1.000	02 May 2025 10:05 am
6)	050205.D	8260B_45to1_SS.M			
2504649-081B 100X		O-VOC-S-SS	36	1.000	02 May 2025 10:31 am
7)	050206.D	8260B_45to1_SS.M			
2504649-088B 100X		O-VOC-S-SS	37	1.000	02 May 2025 10:57 am
8)	050207.D	8260B_45to1_SS.M			
2504649-089B 50X		O-VOC-S-SS	38	1.000	02 May 2025 11:24 am
9)	050208.D	8260B_45to1_SS.M			
2504690-012B 10X		O-VOC-S-SS	39	1.000	02 May 2025 11:50 am
10)	050209.D	8260B_45to1_SS.M			
2504649-005B		O-VOC-S-SS	40	1.000	02 May 2025 12:17 pm
11)	050210.D	8260B_45to1_SS.M			
2504649-005BDUP		O-VOC-S-SS	41	1.000	02 May 2025 12:43 pm
12)	050211.D	8260B_45to1_SS.M			
2504649-006B		O-VOC-S-SS	42	1.000	02 May 2025 01:09 pm
13)	050212.D	8260B_45to1_SS.M			
2504649-006BDUP		O-VOC-S-SS	43	1.000	02 May 2025 01:36 pm
14)	050213.D	8260B_45to1_SS.M			
2504649-019B		O-VOC-S-SS	44	1.000	02 May 2025 02:08 pm
15)	050214.D	8260B_45to1_SS.M			
2504649-020B		O-VOC-S-SS	45	1.000	02 May 2025 02:34 pm
16)	050215.D	8260B_45to1_SS.M			
R		O-VOC-S-SS		1.000	02 May 2025 02:59 pm
17)	050216.D	8260B_45to1_SS.M			
SIM S CCV		O-VOC-S-SS	46	1.000	02 May 2025 03:26 pm
18)	050217.D	8260B_45to1_SS.M			
GX CCV		O-VOC-S-SS	47	1.000	02 May 2025 03:52 pm
19)	050218.D	8260B_45to1_SS.M			
SIM S CCV RR		O-VOC-S-SS	65	1.000	02 May 2025 04:18 pm
20)	050219.D	8260B_45to1_SS.M			
R		O-VOC-S-SS		1.000	02 May 2025 04:44 pm
21)	050220.D	8260B_45to1_SS.M			
2504649-021B		O-VOC-S-SS	48	1.000	02 May 2025 05:10 pm

22) 050221.D 8260B_45to1_SS.M
2504649-027B O-VOC-S-SS 49 1.000 02 May 2025 05:36 pm

23) 050222.D 8260B_45to1_SS.M
2504649-028B O-VOC-S-SS 50 1.000 02 May 2025 06:03 pm

24) 050223.D 8260B_45to1_SS.M
2504649-029B O-VOC-S-SS 51 1.000 02 May 2025 06:29 pm

25) 050224.D 8260B_45to1_SS.M
2504649-037B O-VOC-S-SS 52 1.000 02 May 2025 06:55 pm

26) 050225.D 8260B_45to1_SS.M
2504649-038B O-VOC-S-SS 53 1.000 02 May 2025 07:22 pm

27) 050226.D 8260B_45to1_SS.M
2504649-039B O-VOC-S-SS 54 1.000 02 May 2025 07:48 pm

28) 050227.D 8260B_45to1_SS.M
2504649-040B O-VOC-S-SS 55 1.000 02 May 2025 08:15 pm

29) 050228.D 8260B_45to1_SS.M
2504649-045B O-VOC-S-SS 56 1.000 02 May 2025 08:41 pm

30) 050229.D 8260B_45to1_SS.M
2504649-069B 10X O-VOC-S-SS 57 1.000 02 May 2025 09:07 pm

31) 050230.D 8260B_45to1_SS.M
2504649-076B 10X O-VOC-S-SS 58 1.000 02 May 2025 09:34 pm

32) 050231.D 8260B_45to1_SS.M
2504649-036B 10X O-VOC-S-SS 59 1.000 02 May 2025 10:00 pm

33) 050232.D 8260B_45to1_SS.M
R O-VOC-S-SS 1.000 02 May 2025 10:26 pm

34) 050233.D 8260B_45to1_SS.M
2504649-069B O-VOC-S-SS 60 1.000 02 May 2025 10:52 pm

35) 050234.D 8260B_45to1_SS.M
2504649-076B O-VOC-S-SS 61 1.000 02 May 2025 11:18 pm

36) 050235.D 8260B_45to1_SS.M
2504649-036B O-VOC-S-SS 62 1.000 02 May 2025 11:45 pm

37) 050236.D 8260B_45to1_SS.M
R O-VOC-S-SS 1.000 03 May 2025 12:10 am

38) 050237.D 8260B_45to1_SS.M
2504649-019BMS VOC O-VOC-S-SS 63 1.000 03 May 2025 12:36 am

39) 050238.D 8260B_45to1_SS.M
2504649-020BMS GX O-VOC-S-SS 64 1.000 03 May 2025 01:03 am

40) 050239.D 8260B_45to1_SS.M
R O-VOC-S-SS 1.000 03 May 2025 01:28 am

41) 050240.D 8260B_45to1_SS.M
SIM S CCV O-VOC-S-SS 66 1.000 03 May 2025 01:54 am

42) 050241.D 8260B_45to1_SS.M
GX CCV O-VOC-S-SS 67 1.000 03 May 2025 02:21 am

43) 050242.D 8260B_45to1_SS.M
R O-VOC-S-SS 1.000 03 May 2025 02:46 am

44) 050243.D 8260B_45to1_SS.M
R O-VOC-S-SS 1.000 03 May 2025 03:11 am

45) 050244.D 8260B_45to1_SS.M

R O-VOC-S-SS 1.000 03 May 2025 03:36 am

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46) 050245.D 8260B_45to1_SS.M
GX ICAL 1 O-VOC-GX-W 68 1.000 03 May 2025 04:03 am

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47) 050246.D 8260B_45to1_SS.M
GX ICAL 2 O-VOC-GX-W 69 1.000 03 May 2025 04:29 am

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48) 050247.D 8260B_45to1_SS.M
GX ICAL 3 O-VOC-GX-W 70 1.000 03 May 2025 04:56 am

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49) 050248.D 8260B_45to1_SS.M
GX ICAL 4 O-VOC-GX-W 71 1.000 03 May 2025 05:22 am

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50) 050249.D 8260B_45to1_SS.M
GX ICAL 5 O-VOC-GX-W 72 1.000 03 May 2025 05:48 am

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51) 050250.D 8260B_45to1_SS.M
GX ICAL 6 O-VOC-GX-W 73 1.000 03 May 2025 06:15 am

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52) 050251.D 8260B_45to1_SS.M
GX ICAL 7 O-VOC-GX-W 74 1.000 03 May 2025 06:41 am

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53) 050252.D 8260B_45to1_SS.M
R O-VOC-GX-W 1.000 03 May 2025 07:06 am

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54) 050253.D 8260B_45to1_SS.M
R O-VOC-GX-W 1.000 03 May 2025 07:32 am

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55) 050254.D 8260B_45to1_SS.M
ICB O-VOC-GX-W 75 1.000 03 May 2025 07:58 am

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56) 050255.D 8260B_45to1_SS.M
ICV O-VOC-GX-W 76 1.000 03 May 2025 08:24 am

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57) 050256.D 8260B_45to1_SS.M
R O-VOC-GX-W 1.000 03 May 2025 08:50 am

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58) 050504.D 8260B_45to1_SS.M
GX CCV O-VOC-S-SS 79 1.000 05 May 2025 10:08 am

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59) 050506.D 8260B_45to1_SS.M
GX CCV RR O-VOC-S-SS 80 1.000 05 May 2025 11:00 am

Injection Log

Data Directory: D:\GC-9\DATA\051425\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	051401.D	8260_040824.M			
R		O-VOC-W		1.000	14 May 2025 04:53 pm
2)	051402.D	8260_040824.M			
R		O-VOC-W		1.000	14 May 2025 05:17 pm
3)	051403.D	8260_040824.M			
R		O-VOC-W		1.000	14 May 2025 05:41 pm
4)	051404.D	8260_040824.M			
R		O-VOC-W		1.000	14 May 2025 06:06 pm
5)	051405.D	8260_040824.M			
R		O-VOC-W		1.000	14 May 2025 06:30 pm
6)	051406.D	8260_040824.M			
R		O-VOC-W		1.000	14 May 2025 06:54 pm
7)	051407.D	8260_040824.M			
R		O-VOC-W		1.000	14 May 2025 07:19 pm
8)	051408.D	8260_040824.M			
VOC W ICAL 1		O-VOC-W	1	1.000	14 May 2025 07:44 pm
9)	051409.D	8260_040824.M			
VOC W ICAL 2		O-VOC-W	2	1.000	14 May 2025 08:09 pm
10)	051410.D	8260_040824.M			
VOC W ICAL 3		O-VOC-W	3	1.000	14 May 2025 08:35 pm
11)	051411.D	8260_040824.M			
VOC W ICAL 4		O-VOC-W	4	1.000	14 May 2025 09:00 pm
12)	051412.D	8260_040824.M			
VOC W ICAL 5		O-VOC-W	5	1.000	14 May 2025 09:25 pm
13)	051413.D	8260_040824.M			
VOC W ICAL 6		O-VOC-W	6	1.000	14 May 2025 09:51 pm
14)	051414.D	8260_040824.M			
VOC W ICAL 7		O-VOC-W	7	1.000	14 May 2025 10:16 pm
15)	051415.D	8260_040824.M			
VOC W ICAL 8		O-VOC-W	8	1.000	14 May 2025 10:41 pm
16)	051416.D	8260_040824.M			
VOC W ICAL 9		O-VOC-W	9	1.000	14 May 2025 11:06 pm
17)	051417.D	8260_040824.M			
R		O-VOC-W		1.000	14 May 2025 11:31 pm
18)	051418.D	8260_040824.M			
R		O-VOC-W		1.000	14 May 2025 11:55 pm
19)	051419.D	8260_040824.M			
ICB		O-VOC-W	10	1.000	15 May 2025 12:20 am
20)	051420.D	8260_040824.M			
ICV		O-VOC-W	11	1.000	15 May 2025 12:46 am
21)	051421.D	8260_040824.M			
2x HCL MS		O-VOC-W	21	1.000	15 May 2025 01:11 am

22) 051422.D 8260_040824.M
R O-VOC-W 1.000 15 May 2025 01:35 am
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23) 051423.D 8260_040824.M
R O-VOC-W 1.000 15 May 2025 02:00 am
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24) 051424.D 8260_040824.M
R O-VOC-W 1.000 15 May 2025 02:24 am
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25) 051425.D 8260_040824.M
GX ICAL 1 O-VOC-GX-W 12 1.000 15 May 2025 02:49 am
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26) 051426.D 8260_040824.M
GX ICAL 2 O-VOC-GX-W 13 1.000 15 May 2025 03:14 am
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27) 051427.D 8260_040824.M
GX ICAL 3 O-VOC-GX-W 14 1.000 15 May 2025 03:40 am
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28) 051428.D 8260_040824.M
GX ICAL 4 O-VOC-GX-W 15 1.000 15 May 2025 04:05 am
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29) 051429.D 8260_040824.M
GX ICAL 5 O-VOC-GX-W 16 1.000 15 May 2025 04:30 am
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30) 051430.D 8260_040824.M
GX ICAL 6 O-VOC-GX-W 17 1.000 15 May 2025 04:56 am
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31) 051431.D 8260_040824.M
GX ICAL 7 O-VOC-GX-W 18 1.000 15 May 2025 05:21 am
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32) 051432.D 8260_040824.M
R O-VOC-W 1.000 15 May 2025 05:45 am
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33) 051433.D 8260_040824.M
R O-VOC-W 1.000 15 May 2025 06:09 am
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34) 051434.D 8260_040824.M
ICB O-VOC-GX-W 19 1.000 15 May 2025 06:35 am
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35) 051435.D 8260_040824.M
ICV O-VOC-GX-W 20 1.000 15 May 2025 07:00 am
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36) 051436.D 8260_040824.M
R O-VOC-W 1.000 15 May 2025 07:24 am
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37) 051502.D 8260_040824.M
VOC W CCV O-VOC-W 22 1.000 15 May 2025 05:12 pm
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38) 051503.D 8260_040824.M
VOC W CCV O-VOC-W 23 1.000 15 May 2025 05:37 pm
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39) 051504.D 8260_040824.M
VOC W CCV O-VOC-W 24 1.000 15 May 2025 06:03 pm
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40) 051505.D 8260_040824.M
GX CCV O-VOC-W 25 1.000 15 May 2025 06:28 pm
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41) 051506.D 8260_040824.M
GX CCV O-VOC-W 26 1.000 15 May 2025 06:53 pm
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42) 051507.D 8260_040824.M
GX CCV O-VOC-W 27 1.000 15 May 2025 07:18 pm
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43) 051508.D 8260_040824.M
R O-VOC-W 1.000 15 May 2025 07:43 pm
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44) 051509.D 8260_040824.M
MB O-VOC-W 28 1.000 15 May 2025 08:08 pm
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45) 051510.D 8260_040824.M

MB O-VOC-W 29 1.000 15 May 2025 08:33 pm

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46) 051511.D 8260_040824.M
MB O-VOC-W 30 1.000 15 May 2025 08:59 pm

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47) 051512.D 8260_040824.M
MB O-VOC-W 31 1.000 15 May 2025 09:24 pm

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48) 051513.D 8260_040824.M
VOC W 0.1 O-VOC-W 32 1.000 15 May 2025 09:49 pm

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49) 051514.D 8260_040824.M
VOC W 0.2 O-VOC-W 33 1.000 15 May 2025 10:14 pm

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50) 051515.D 8260_040824.M
VOC W 0.5 O-VOC-W 34 1.000 15 May 2025 10:40 pm

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51) 051516.D 8260_040824.M
VOC W 1.0 O-VOC-W 35 1.000 15 May 2025 11:05 pm

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52) 051517.D 8260_040824.M
VOC W 2.0 O-VOC-W 36 1.000 15 May 2025 11:30 pm

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53) 051518.D 8260_040824.M
GX W 25 O-VOC-W 37 1.000 15 May 2025 11:56 pm

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54) 051519.D 8260_040824.M
GX S 25 O-VOC-W 38 1.000 16 May 2025 12:21 am

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55) 051520.D 8260_040824.M
GX W 50 O-VOC-W 39 1.000 16 May 2025 12:46 am

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56) 051521.D 8260_040824.M
GX S 50 O-VOC-W 40 1.000 16 May 2025 01:11 am

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57) 051522.D 8260_040824.M
VOC W CCV O-VOC-W 41 1.000 16 May 2025 01:37 am

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58) 051523.D 8260_040824.M
GX CCV O-VOC-W 42 1.000 16 May 2025 02:02 am

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59) 051524.D 8260_040824.M
R O-VOC-W 1.000 16 May 2025 02:26 am

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60) 051525.D 8260_040824.M
METALS DI O-VOC-W 43 1.000 16 May 2025 02:52 am

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61) 051526.D 8260_040824.M
VOC DI O-VOC-W 44 1.000 16 May 2025 03:17 am

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62) 051527.D 8260_040824.M
TAP O-VOC-W 45 1.000 16 May 2025 03:42 am

Injection Log

Data Directory: D:\GC-27\DATA\051625\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 051601.D	8260B_45to1_SS.M			
R	O-VOC-W		1.000	16 May 2025 08:35 am
2) 051602.D	8260B_45to1_SS.M			
SIM W CCV	O-VOC-W	40	1.000	16 May 2025 09:01 am
3) 051603.D	8260B_45to1_SS.M			
SIM S CCV	O-VOC-S	41	1.000	16 May 2025 09:28 am
4) 051604.D	8260B_45to1_SS.M			
GX CCV	O-VOC-W	42	1.000	16 May 2025 09:54 am
5) 051605.D	8260B_45to1_SS.M			
R	O-VOC-W		1.000	16 May 2025 10:19 am
6) 051606.D	8260B_45to1_SS.M			
MB-47744	O-VOC-W	43	1.000	16 May 2025 10:46 am
7) 051607.D	8260B_45to1_SS.M			
2505316-001A	O-VOC-W	44	1.000	16 May 2025 11:12 am
8) 051608.D	8260B_45to1_SS.M			
2505316-001ADUP	O-VOC-W	45	1.000	16 May 2025 11:38 am
9) 051609.D	8260B_45to1_SS.M			
2505287-001B 10X	O-VOC-W	46	1.000	16 May 2025 12:05 pm
10) 051610.D	8260B_45to1_SS.M			
2505287-002B 10X	O-VOC-W	47	1.000	16 May 2025 12:31 pm
11) 051611.D	8260B_45to1_SS.M			
R	O-VOC-W		1.000	16 May 2025 12:56 pm
12) 051612.D	8260B_45to1_SS.M			
2505283-001A	O-VOC-W	48	1.000	16 May 2025 01:23 pm
13) 051613.D	8260B_45to1_SS.M			
2505263-007A 100X	O-VOC-W	49	1.000	16 May 2025 01:49 pm
14) 051614.D	8260B_45to1_SS.M			
2505263-008A 10X	O-VOC-W	50	1.000	16 May 2025 02:16 pm
15) 051615.D	8260B_45to1_SS.M			
2505263-009A 100X	O-VOC-W	51	1.000	16 May 2025 02:42 pm
16) 051616.D	8260B_45to1_SS.M			
2505263-010A 50X	O-VOC-W	52	1.000	16 May 2025 03:08 pm
17) 051617.D	8260B_45to1_SS.M			
2505263-002A 10X	O-VOC-W	53	1.000	16 May 2025 03:35 pm
18) 051618.D	8260B_45to1_SS.M			
2505263-004A 10X	O-VOC-W	54	1.000	16 May 2025 04:01 pm
19) 051619.D	8260B_45to1_SS.M			
2505263-008A	O-VOC-W	55	1.000	16 May 2025 04:28 pm
20) 051620.D	8260B_45to1_SS.M			
2505263-007A 10X	O-VOC-W	56	1.000	16 May 2025 04:54 pm
21) 051621.D	8260B_45to1_SS.M			
2505263-009A 10X	O-VOC-W	57	1.000	16 May 2025 05:20 pm

22) 051622.D 8260B_45to1_SS.M
2505263-010A 10X O-VOC-W 58 1.000 16 May 2025 05:47 pm

23) 051623.D 8260B_45to1_SS.M
R O-VOC-W 1.000 16 May 2025 06:12 pm

24) 051624.D 8260B_45to1_SS.M
2505245-001A RR O-VOC-W 59 1.000 16 May 2025 06:38 pm

25) 051625.D 8260B_45to1_SS.M
2505283-001AMS VOC O-VOC-W 60 1.000 16 May 2025 07:05 pm

26) 051626.D 8260B_45to1_SS.M
R O-VOC-W 1.000 16 May 2025 07:30 pm

27) 051627.D 8260B_45to1_SS.M
SIM W CCV O-VOC-W 61 1.000 16 May 2025 07:57 pm

28) 051628.D 8260B_45to1_SS.M
GX CCV O-VOC-W 62 1.000 16 May 2025 08:23 pm

29) 051629.D 8260B_45to1_SS.M
R O-VOC-W 1.000 16 May 2025 08:48 pm

30) 051630.D 8260B_45to1_SS.M
2505258-005A TB O-VOC-W-SS 63 1.000 16 May 2025 09:15 pm

31) 051631.D 8260B_45to1_SS.M
2505290-016A TB O-VOC-W 64 1.000 16 May 2025 09:41 pm

32) 051632.D 8260B_45to1_SS.M
2505258-001A O-VOC-W-SS 65 1.000 16 May 2025 10:07 pm

33) 051633.D 8260B_45to1_SS.M
2505258-002A O-VOC-W-SS 66 1.000 16 May 2025 10:34 pm

34) 051634.D 8260B_45to1_SS.M
2505258-003A O-VOC-W-SS 67 1.000 16 May 2025 11:00 pm

35) 051635.D 8260B_45to1_SS.M
2505258-004A O-VOC-W-SS 68 1.000 16 May 2025 11:27 pm

36) 051636.D 8260B_45to1_SS.M
2505290-001A O-VOC-W 69 1.000 16 May 2025 11:53 pm

37) 051637.D 8260B_45to1_SS.M
2505290-002A O-VOC-W 70 1.000 17 May 2025 12:19 am

38) 051638.D 8260B_45to1_SS.M
2505290-003A O-VOC-W 71 1.000 17 May 2025 12:46 am

39) 051639.D 8260B_45to1_SS.M
2505290-004A O-VOC-W 72 1.000 17 May 2025 01:12 am

40) 051640.D 8260B_45to1_SS.M
2505290-005A O-VOC-W 73 1.000 17 May 2025 01:39 am

41) 051641.D 8260B_45to1_SS.M
2505290-006A O-VOC-W 74 1.000 17 May 2025 02:05 am

42) 051642.D 8260B_45to1_SS.M
2505290-007A O-VOC-W 75 1.000 17 May 2025 02:31 am

43) 051643.D 8260B_45to1_SS.M
2505290-008A O-VOC-W 76 1.000 17 May 2025 02:58 am

44) 051644.D 8260B_45to1_SS.M
2505290-009A O-VOC-W 77 1.000 17 May 2025 03:24 am

45) 051645.D 8260B_45to1_SS.M

2505290-011A O-VOC-W 78 1.000 17 May 2025 03:51 am

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46) 051646.D 8260B_45to1_SS.M
2505290-012A O-VOC-W 79 1.000 17 May 2025 04:17 am

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47) 051647.D 8260B_45to1_SS.M
2505290-015A O-VOC-W 80 1.000 17 May 2025 04:44 am

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48) 051902.D 8260B_45to1_SS.M
SIM W CCV O-VOC-W 1 1.000 19 May 2025 12:09 pm

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49) 051903.D 8260B_45to1_SS.M
GX CCV O-VOC-W 2 1.000 19 May 2025 12:36 pm

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50) 051904.D 8260B_45to1_SS.M
SIM W CCV REAL O-VOC-W 3 1.000 19 May 2025 01:02 pm

Injection Log

Data Directory: D:\GC-9\DATA\052025\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	052001.D	8260_040824.M			
R		O-VOC-W		1.000	20 May 2025 02:06 pm
2)	052002.D	8260_040824.M			
VOC W CCV		O-VOC-W	54	1.000	20 May 2025 02:32 pm
3)	052003.D	8260_040824.M			
GX CCV		O-VOC-W	55	1.000	20 May 2025 02:57 pm
4)	052004.D	8260_040824.M			
R		O-VOC-W		1.000	20 May 2025 03:21 pm
5)	052005.D	8260_040824.M			
MB-W		O-VOC-W	56	1.000	20 May 2025 03:47 pm
6)	052006.D	8260_040824.M			
2505258-001A		O-VOC-W	57	1.000	20 May 2025 04:12 pm
7)	052007.D	8260_040824.M			
2505258-002A		O-VOC-W	58	1.000	20 May 2025 04:37 pm
8)	052008.D	8260_040824.M			
2505258-003A		O-VOC-W	59	1.000	20 May 2025 05:02 pm
9)	052009.D	8260_040824.M			
2505258-004A		O-VOC-W	60	1.000	20 May 2025 05:28 pm
10)	052010.D	8260_040824.M			
2505258-002AMS GX		O-VOC-W	61	1.000	20 May 2025 05:53 pm
11)	052011.D	8260_040824.M			
GX CCV		O-VOC-W	62	1.000	20 May 2025 06:18 pm
12)	052012.D	8260_040824.M			
2505290-001A		O-VOC-W	63	1.000	20 May 2025 06:44 pm
13)	052013.D	8260_040824.M			
2505290-002A		O-VOC-W	64	1.000	20 May 2025 07:09 pm
14)	052014.D	8260_040824.M			
2505290-003A		O-VOC-W	65	1.000	20 May 2025 07:34 pm
15)	052015.D	8260_040824.M			
2505290-004A		O-VOC-W	66	1.000	20 May 2025 08:00 pm
16)	052016.D	8260_040824.M			
2505290-005A		O-VOC-W	67	1.000	20 May 2025 08:25 pm
17)	052017.D	8260_040824.M			
2505290-006A		O-VOC-W	68	1.000	20 May 2025 08:50 pm
18)	052018.D	8260_040824.M			
2505290-007A		O-VOC-W	69	1.000	20 May 2025 09:16 pm
19)	052019.D	8260_040824.M			
2505290-008A		O-VOC-W	70	1.000	20 May 2025 09:41 pm
20)	052020.D	8260_040824.M			
2505290-009A		O-VOC-W	71	1.000	20 May 2025 10:06 pm
21)	052021.D	8260_040824.M			
2505290-010A		O-VOC-W	72	1.000	20 May 2025 10:32 pm

22) 052022.D 8260_040824.M
2505290-011A O-VOC-W 73 1.000 20 May 2025 10:57 pm
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23) 052023.D 8260_040824.M
2505290-012A O-VOC-W 74 1.000 20 May 2025 11:22 pm
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24) 052024.D 8260_040824.M
R O-VOC-W 1.000 20 May 2025 11:47 pm
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25) 052025.D 8260_040824.M
R O-VOC-W 1.000 21 May 2025 12:11 am
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26) 052026.D 8260_040824.M
VOC W CCV O-VOC-W 75 1.000 21 May 2025 12:36 am
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27) 052027.D 8260_040824.M
GX CCV O-VOC-W 76 1.000 21 May 2025 01:01 am
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28) 052028.D 8260_040824.M
R O-VOC-W 1.000 21 May 2025 01:26 am
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29) 052029.D 8260_040824.M
MB-W O-VOC-W 77 1.000 21 May 2025 01:51 am
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30) 052030.D 8260_040824.M
MB-47768 10X TCLP O-VOC-W 78 1.000 21 May 2025 02:16 am
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31) 052031.D 8260_040824.M
2505440-001A O-VOC-W 79 1.000 21 May 2025 02:42 am
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32) 052032.D 8260_040824.M
2505440-002A O-VOC-W 80 1.000 21 May 2025 03:07 am
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33) 052033.D 8260_040824.M
2505440-003A O-VOC-W 81 1.000 21 May 2025 03:32 am
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34) 052034.D 8260_040824.M
2505441-001A O-VOC-W 82 1.000 21 May 2025 03:58 am
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35) 052035.D 8260_040824.M
2505441-002A O-VOC-W 83 1.000 21 May 2025 04:23 am
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36) 052036.D 8260_040824.M
2505441-003A O-VOC-W 84 1.000 21 May 2025 04:48 am
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37) 052037.D 8260_040824.M
2505381-001A 10X O-VOC-W 1 1.000 21 May 2025 05:14 am
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38) 052038.D 8260_040824.M
2505381-002A 10X O-VOC-W 2 1.000 21 May 2025 05:39 am
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39) 052039.D 8260_040824.M
2505381-003A 10X O-VOC-W 3 1.000 21 May 2025 06:04 am
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40) 052040.D 8260_040824.M
2505381-004A 10X O-VOC-W 4 1.000 21 May 2025 06:30 am
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41) 052041.D 8260_040824.M
2505381-004ADUP 10X O-VOC-W 5 1.000 21 May 2025 06:55 am
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42) 052042.D 8260_040824.M
R O-VOC-W 1.000 21 May 2025 07:19 am
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43) 052043.D 8260_040824.M
VOC W CCV O-VOC-W 6 1.000 21 May 2025 07:45 am
---
44) 052044.D 8260_040824.M
GX CCV O-VOC-W 7 1.000 21 May 2025 08:10 am
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45) 052045.D 8260_040824.M

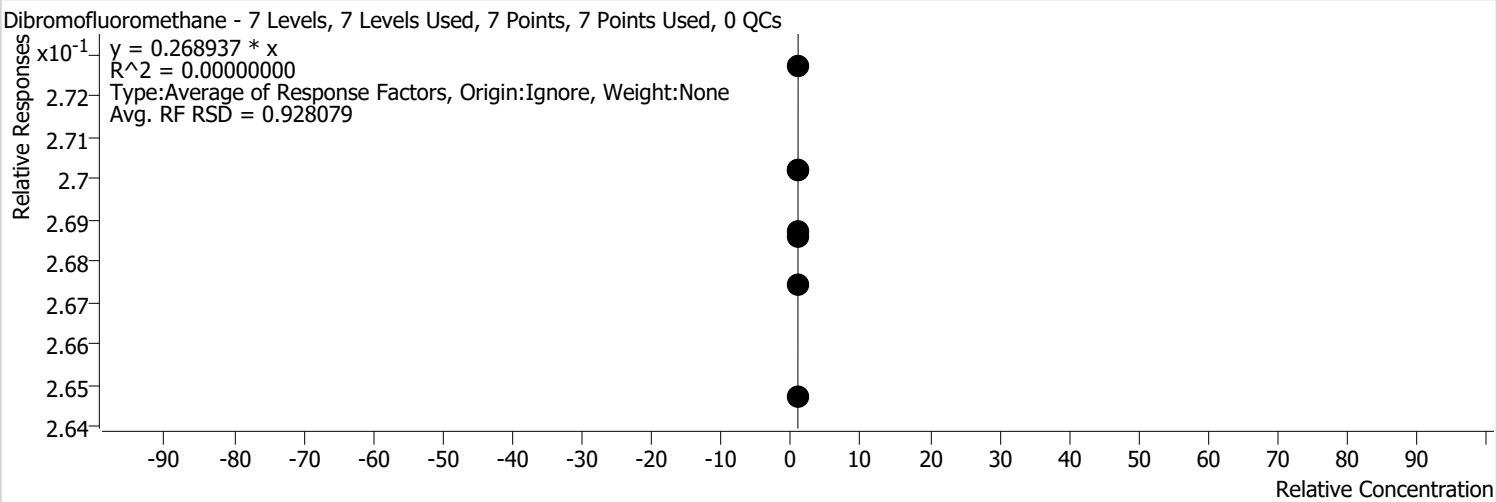
R O-VOC-W 1.000 21 May 2025 08:34 am

Calibration

Calibration Report

Batch Path	D:\GC-27\DATA\050225\QuantResults\gx ical.batch.bin		
Analysis Time	5/6/2025 12:13 PM	**Analyst Name**	FA\GC27
Report Time	5/6/2025 12:14:28 PM	**Reporter Name**	FA\GC27
Last Calib Update	5/5/2025 10:43 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

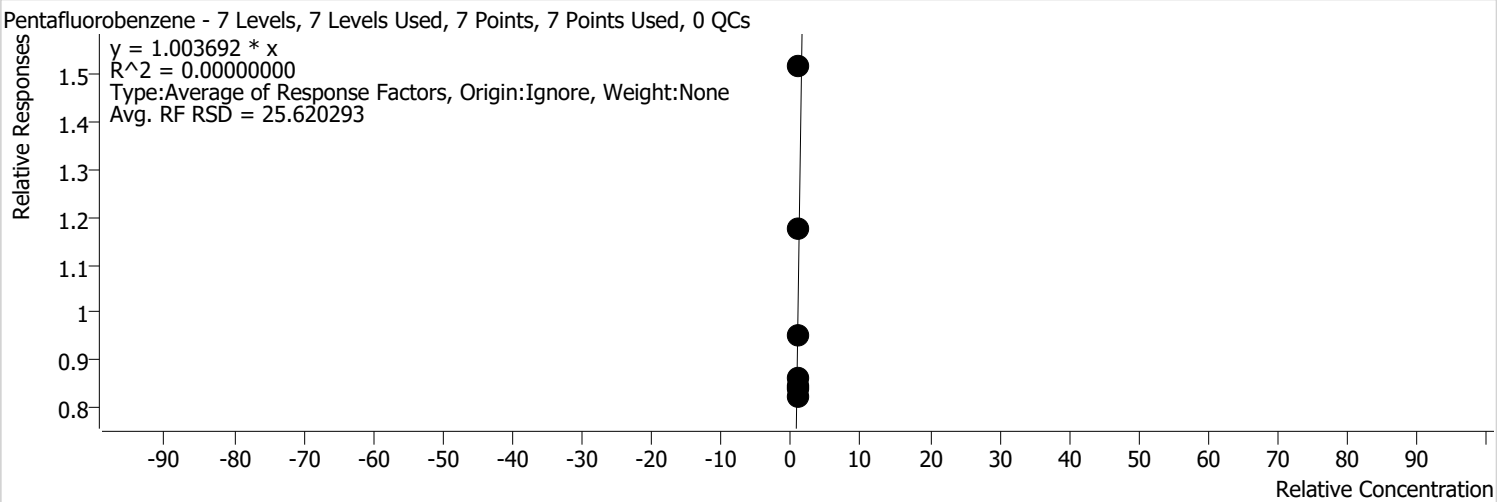
Dibromofluoromethane %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\050225\050251.D	Calibration	7	x	1946579	25.0000	0.2727	
D:\GC-27\DATA\050225\050250.D	Calibration	6	x	1934886	25.0000	0.2702	
D:\GC-27\DATA\050225\050249.D	Calibration	5	x	1928507	25.0000	0.2702	
D:\GC-27\DATA\050225\050248.D	Calibration	4	x	1952065	25.0000	0.2687	
D:\GC-27\DATA\050225\050247.D	Calibration	3	x	1963255	25.0000	0.2686	
D:\GC-27\DATA\050225\050246.D	Calibration	2	x	1940745	25.0000	0.2674	
D:\GC-27\DATA\050225\050245.D	Calibration	1	x	1962924	25.0000	0.2647	

Batch Path	D:\GC-27\DATA\050225\QuantResults\gx ical.batch.bin		
Analysis Time	5/6/2025 12:13 PM	**Analyst Name**	FA\GC27
Report Time	5/6/2025 12:14:30 PM	**Reporter Name**	FA\GC27
Last Calib Update	5/5/2025 10:43 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

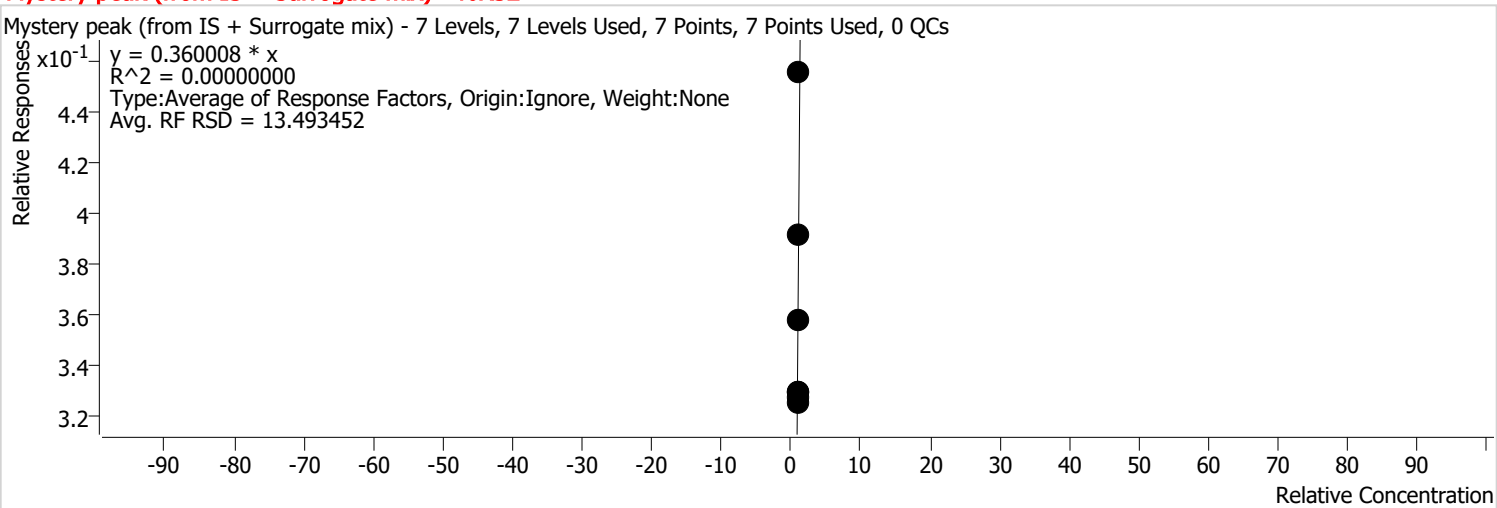
Pentafluorobenzene %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\050225\050251.D	Calibration	7	x	10817081	25.0000	1.5154	
D:\GC-27\DATA\050225\050250.D	Calibration	6	x	8435651	25.0000	1.1780	
D:\GC-27\DATA\050225\050249.D	Calibration	5	x	6811140	25.0000	0.9543	
D:\GC-27\DATA\050225\050248.D	Calibration	4	x	6283757	25.0000	0.8649	
D:\GC-27\DATA\050225\050247.D	Calibration	3	x	6204156	25.0000	0.8488	
D:\GC-27\DATA\050225\050246.D	Calibration	2	x	6086850	25.0000	0.8388	
D:\GC-27\DATA\050225\050245.D	Calibration	1	x	6122015	25.0000	0.8257	

Batch Path	D:\GC-27\DATA\050225\QuantResults\gx ical.batch.bin		
Analysis Time	5/6/2025 12:13 PM	**Analyst Name**	FA\GC27
Report Time	5/6/2025 12:14:30 PM	**Reporter Name**	FA\GC27
Last Calib Update	5/5/2025 10:43 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

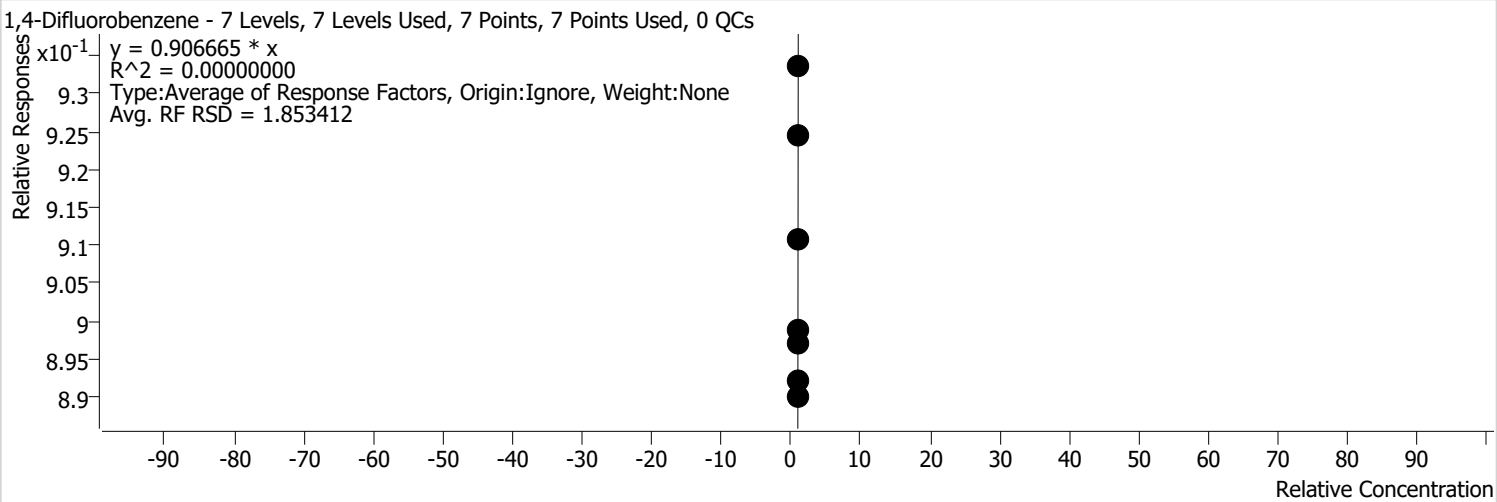
Mystery peak (from IS + Surrogate mix) %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\050225\050251.D	Calibration	7	x	3252072	25.0000	0.4556	
D:\GC-27\DATA\050225\050250.D	Calibration	6	x	2807872	25.0000	0.3921	
D:\GC-27\DATA\050225\050249.D	Calibration	5	x	2558947	25.0000	0.3585	
D:\GC-27\DATA\050225\050248.D	Calibration	4	x	2400383	25.0000	0.3304	
D:\GC-27\DATA\050225\050247.D	Calibration	3	x	2395717	25.0000	0.3278	
D:\GC-27\DATA\050225\050246.D	Calibration	2	x	2391773	25.0000	0.3296	
D:\GC-27\DATA\050225\050245.D	Calibration	1	x	2417777	25.0000	0.3261	

Batch Path	D:\GC-27\DATA\050225\QuantResults\gx ical.batch.bin		
Analysis Time	5/6/2025 12:13 PM	**Analyst Name**	FA\GC27
Report Time	5/6/2025 12:14:30 PM	**Reporter Name**	FA\GC27
Last Calib Update	5/5/2025 10:43 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

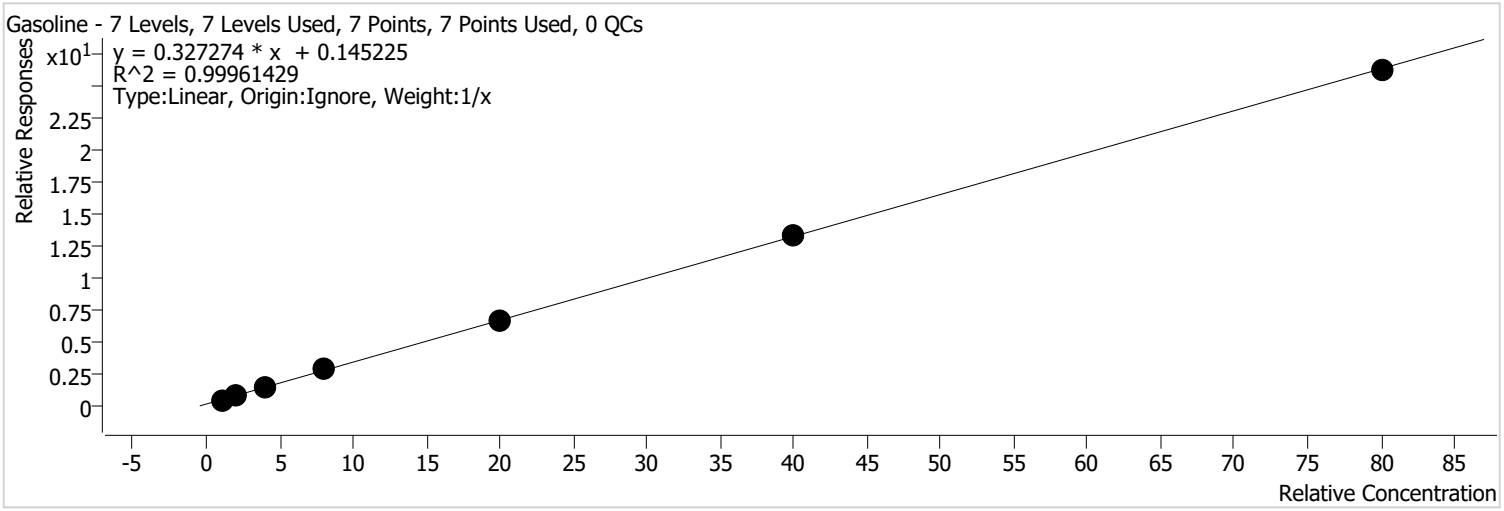
1,4-Difluorobenzene %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\050225\050251.D	Calibration	7	x	6598385	25.0000	0.9244	
D:\GC-27\DATA\050225\050250.D	Calibration	6	x	6521849	25.0000	0.9107	
D:\GC-27\DATA\050225\050249.D	Calibration	5	x	6662831	25.0000	0.9335	
D:\GC-27\DATA\050225\050248.D	Calibration	4	x	6517473	25.0000	0.8971	
D:\GC-27\DATA\050225\050247.D	Calibration	3	x	6505920	25.0000	0.8901	
D:\GC-27\DATA\050225\050246.D	Calibration	2	x	6522369	25.0000	0.8988	
D:\GC-27\DATA\050225\050245.D	Calibration	1	x	6614079	25.0000	0.8920	

Batch Path	D:\GC-27\DATA\050225\QuantResults\gx ical.batch.bin		
Analysis Time	5/6/2025 12:13 PM	**Analyst Name**	FA\GC27
Report Time	5/6/2025 12:14:30 PM	**Reporter Name**	FA\GC27
Last Calib Update	5/5/2025 10:43 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

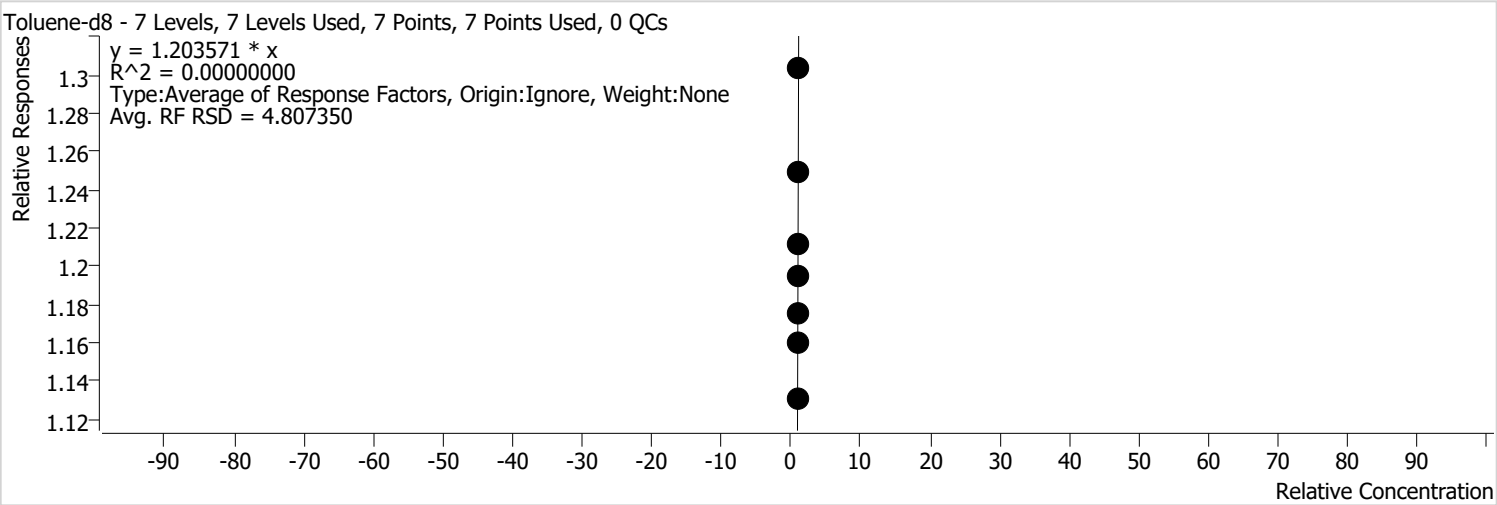
Gasoline %RSE = 5.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\050225\050245.D	Calibration	1	x	3538435	25.0000	0.4772	
D:\GC-27\DATA\050225\050246.D	Calibration	2	x	5354715	50.0000	0.3690	
D:\GC-27\DATA\050225\050247.D	Calibration	3	x	11242054	100.0000	0.3845	
D:\GC-27\DATA\050225\050248.D	Calibration	4	x	20505904	200.0000	0.3528	
D:\GC-27\DATA\050225\050249.D	Calibration	5	x	47184643	500.0000	0.3306	
D:\GC-27\DATA\050225\050250.D	Calibration	6	x	95901305	1000.0000	0.3348	
D:\GC-27\DATA\050225\050251.D	Calibration	7	x	186775530	2000.0000	0.3271	

Batch Path	D:\GC-27\DATA\050225\QuantResults\gx ical.batch.bin		
Analysis Time	5/6/2025 12:13 PM	**Analyst Name**	FA\GC27
Report Time	5/6/2025 12:14:30 PM	**Reporter Name**	FA\GC27
Last Calib Update	5/5/2025 10:43 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

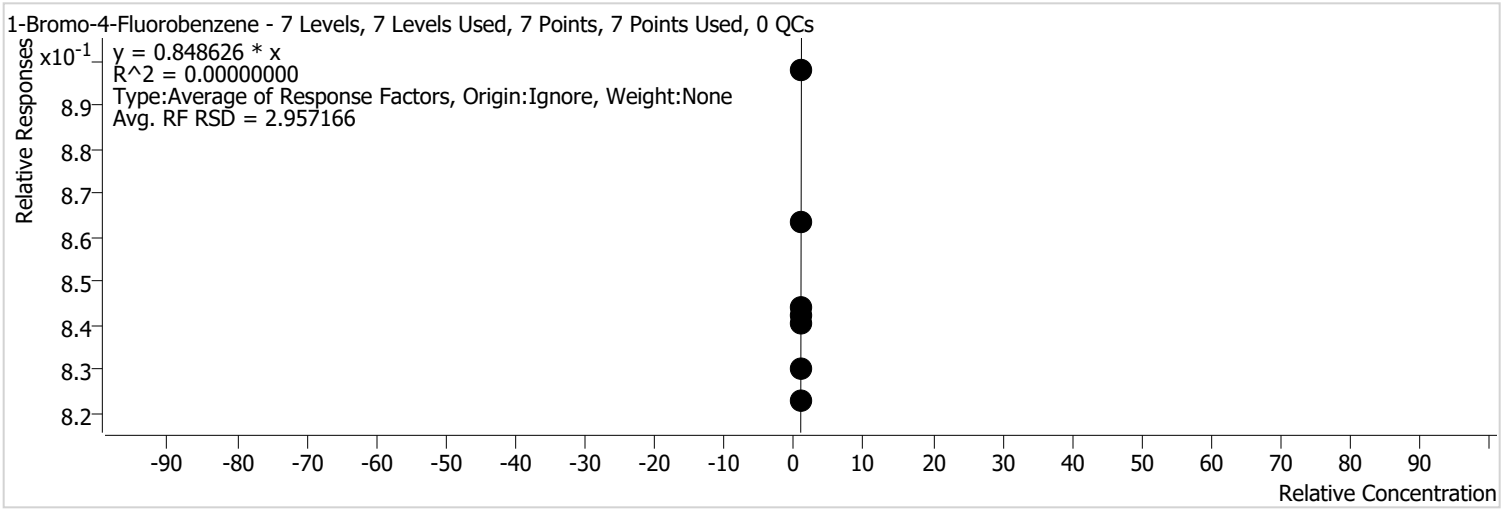
Toluene-d8 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\050225\050251.D	Calibration	7	x	9301893	25.0000	1.3031	
D:\GC-27\DATA\050225\050250.D	Calibration	6	x	8552448	25.0000	1.1943	
D:\GC-27\DATA\050225\050249.D	Calibration	5	x	8391028	25.0000	1.1757	
D:\GC-27\DATA\050225\050248.D	Calibration	4	x	8218810	25.0000	1.1313	
D:\GC-27\DATA\050225\050247.D	Calibration	3	x	8476309	25.0000	1.1597	
D:\GC-27\DATA\050225\050246.D	Calibration	2	x	9066048	25.0000	1.2493	
D:\GC-27\DATA\050225\050245.D	Calibration	1	x	8983995	25.0000	1.2117	

Batch Path	D:\GC-27\DATA\050225\QuantResults\gx ical.batch.bin		
Analysis Time	5/6/2025 12:13 PM	**Analyst Name**	FA\GC27
Report Time	5/6/2025 12:14:30 PM	**Reporter Name**	FA\GC27
Last Calib Update	5/5/2025 10:43 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

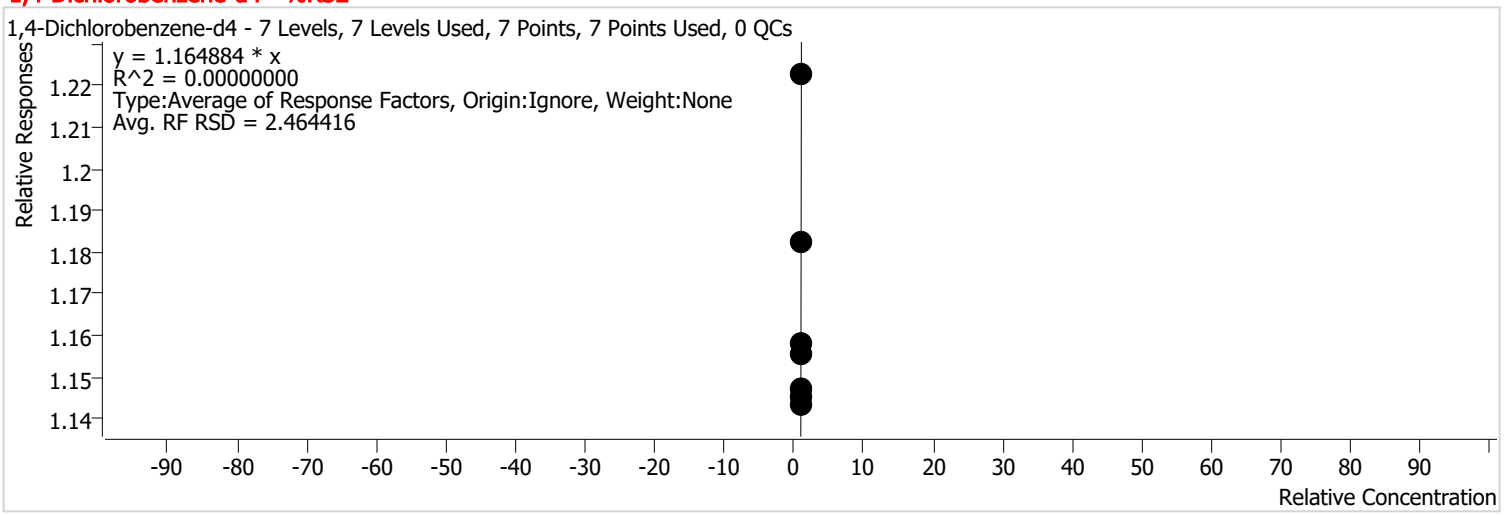
1-Bromo-4-Fluorobenzene %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\050225\050251.D	Calibration	7	x	6408063	25.0000	0.8977	
D:\GC-27\DATA\050225\050250.D	Calibration	6	x	6184822	25.0000	0.8637	
D:\GC-27\DATA\050225\050249.D	Calibration	5	x	5923612	25.0000	0.8300	
D:\GC-27\DATA\050225\050248.D	Calibration	4	x	5978836	25.0000	0.8230	
D:\GC-27\DATA\050225\050247.D	Calibration	3	x	6142398	25.0000	0.8404	
D:\GC-27\DATA\050225\050246.D	Calibration	2	x	6123121	25.0000	0.8438	
D:\GC-27\DATA\050225\050245.D	Calibration	1	x	6242710	25.0000	0.8419	

Batch Path	D:\GC-27\DATA\050225\QuantResults\gx ical.batch.bin		
Analysis Time	5/6/2025 12:13 PM	**Analyst Name**	FA\GC27
Report Time	5/6/2025 12:14:30 PM	**Reporter Name**	FA\GC27
Last Calib Update	5/5/2025 10:43 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,4-Dichlorobenzene-d4 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\050225\050251.D	Calibration	7	x	8727648	25.0000	1.2227	
D:\GC-27\DATA\050225\050250.D	Calibration	6	x	8466619	25.0000	1.1823	
D:\GC-27\DATA\050225\050249.D	Calibration	5	x	8247316	25.0000	1.1555	
D:\GC-27\DATA\050225\050248.D	Calibration	4	x	8333611	25.0000	1.1471	
D:\GC-27\DATA\050225\050247.D	Calibration	3	x	8357954	25.0000	1.1435	
D:\GC-27\DATA\050225\050246.D	Calibration	2	x	8404374	25.0000	1.1582	
D:\GC-27\DATA\050225\050245.D	Calibration	1	x	8489674	25.0000	1.1450	

GX Calibration

Fremont

Date: 5/2/25

Analyst: FG

Instrument: GC19

Cal	ICV
GX Standard: 3[illegible]	GX Standard: 302930

IS/Surrogate 3282 MeOH 9[illegible]

Spike Conc. (ppb)	Intermediate Spike (uL)	Cal GX Spike (uL)	ICV GX Spike (uL)	Final Vol. (mL)	Comments
25	50	--	--	50	
50	100	--	--	50	
100		2.00	--	50	
200		4.00	--	50	
500		10.00	--	50	
1000		20.00	--	50	
2000		40.00	--	50	
ICV (500 ppb)		--	~~10.00~~ 5	50	

SOLC FG 5/5/25 FG 5/5/25

	GX Cal (uL)	P&T MeOH (uL)	Final Volume (mL)
Intermediate	10	990	1

Signature and Date: [signature] 5/2/25

Signature: ADK

V-Gasoline Calibration Bench Sheet v1.2

1 of 1

Official Approval: 2/15/2024

Calibration Checklist - Gx by GC/MS

Analyst Name:	KJ	**Test:**	o-VOC-gx
Instrument:	gc27	**Calibration Date:**	5/3/25
Run Number:	99505	**Reporting Date:**	5/6/25

Calibration Curve		**Analyst**	
Requirement	**Detail**	**Yes**	**No**
Number of Points	The calibration includes at least 5 points. Note any dropped or re-ran points.	✔	
Allowed Curve Fits	The calibration uses a linear fit. Origin is either ignored or forced.	✔	
Curve Fit Weights	Allowed weights can be applied (1/x, $1/x^2$). Cannot combine with force origin.	✔	
R-Squared / RSD	r^2 ≥0.990 or RSD ≤20% (RSD ≤25% for AK101)	✔	
LOQ in Calibration	Are Omega LOQs within the calibration range? Note exceptions	✔	
Notes on Section		**Reviewer**	
		Yes	**No**
		✔	
Requirement	**Detail**	**Yes**	**No**
Relative Error	At LOQ-Associated Point: 50-150%, Above LOQ Point: 85-115%	✔	
ICB Results	Calibration analytes are not detected in the ICB - note exceptions below	✔	
ICV Results	Recoveries in the ICV are 80-120% (70-130% for NWTPH-Gx and EPA 8015c, 75-125% for AK101)	✔	
Notes on Section		**Reviewer**	
		Yes	**No**
		✔	

Documentation		**Analyst**	
Requirement	**Detail**	**Yes**	**No**
Standards & Reagents	IS+Surrogate, Cal and SS for Gx std	✔	
ICV Second Source	ICV made from a separate source than calibration (excl. surrogate)	✔	
Documents Attached	Calibration benchsheet, injection log, tune check, chromatograms, initial calibration report, general calibration report	✔	
Notes on Section		**Reviewer**	
		Yes	**No**
		✔	

Other Requirements		**Analyst**	
Requirement	**Detail**	**Yes**	**No**
Tune Checks	The calibration is within a 12 hour window of a passing tune check	✔	
Peak Resolution	Ethylbenzene is resolved from m/p-xylenes.	✔	
GRO Integration	NWTPH-Gx: Includes toluene(C_8) through napthalene(C_{12}). EPA 8015c: C_6 to C_{10}, established by the retention time of 2-methylpentane and 1,2,4-trimethylbenzene. AK101: n-hexane(C_6) to n-decane(C_{10}).	✔	
Meets DoD?	To meet DoD requirements, the r^2/RSD and ICV results must pass at their strictest ranges.	✔	
Notes on Section		**Reviewer**	
		Yes	**No**
		✔	

Additional Notes Section

Signatures

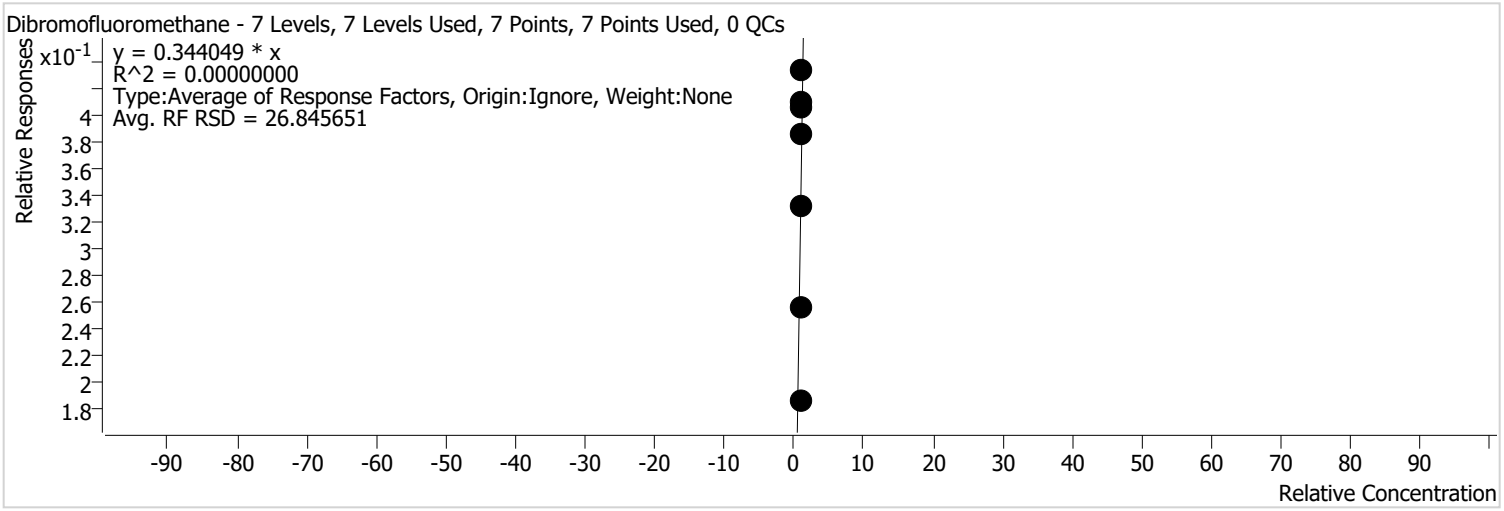
This calibration meets the QA Program of Alliance Technical Group, LLC - Seattle, with any deviations enumerated above:

Analyst Initials:	Kelsey Jones	**Date:**	5/6/25
Reviewer Initials:	Savannah Houser	**Date:**	5/6/25

Calibration Report

Batch Path	D:\GC-9\DATA\051425\QuantResults\GX ICAL.batch.bin		
Analysis Time	5/16/2025 2:39 PM	**Analyst Name**	FA\GC9
Report Time	5/16/2025 2:43:05 PM	**Reporter Name**	FA\GC9
Last Calib Update	5/15/2025 8:19 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Dibromofluoromethane %RSE =

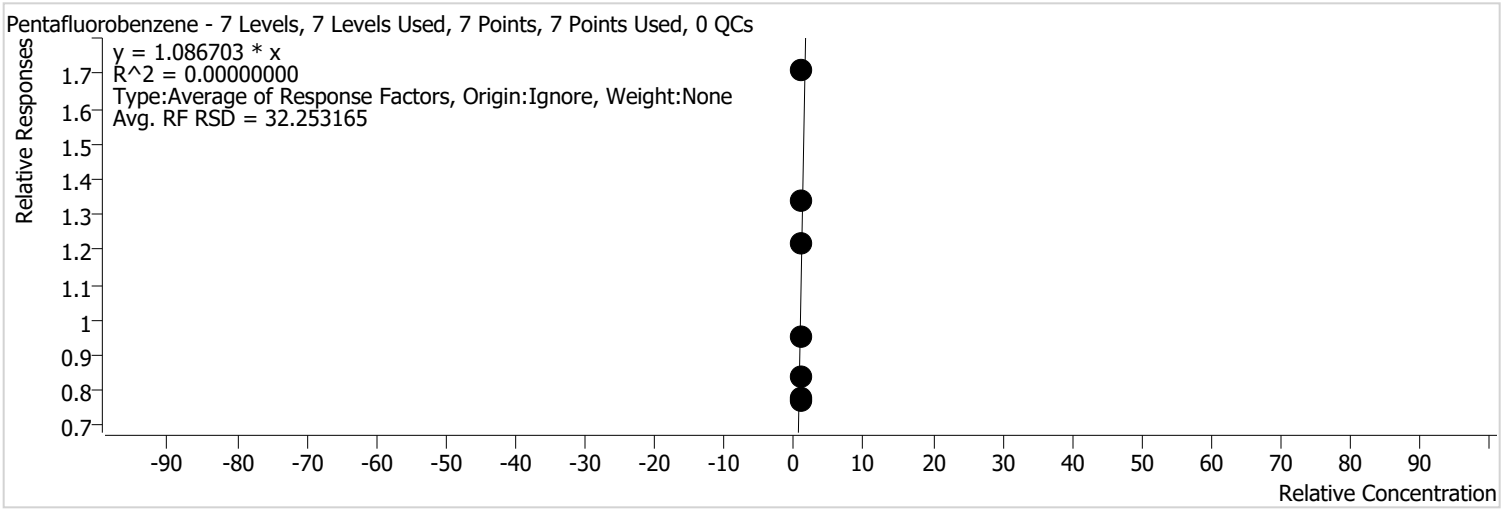


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\051425\051431.D	Calibration	7	x	1394651	25.0000	0.1857	
D:\GC-9\DATA\051425\051430.D	Calibration	6	x	1549216	25.0000	0.2548	
D:\GC-9\DATA\051425\051429.D	Calibration	5	x	1686394	25.0000	0.3316	
D:\GC-9\DATA\051425\051428.D	Calibration	4	x	1723830	25.0000	0.3866	
D:\GC-9\DATA\051425\051427.D	Calibration	3	x	1819240	25.0000	0.4060	
D:\GC-9\DATA\051425\051426.D	Calibration	2	x	1849446	25.0000	0.4104	
D:\GC-9\DATA\051425\051425.D	Calibration	1	x	1814392	25.0000	0.4332	

Calibration Report

Batch Path	D:\GC-9\DATA\051425\QuantResults\GX ICAL.batch.bin		
Analysis Time	5/16/2025 2:39 PM	**Analyst Name**	FA\GC9
Report Time	5/16/2025 2:43:06 PM	**Reporter Name**	FA\GC9
Last Calib Update	5/15/2025 8:19 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Pentafluorobenzene %RSE =

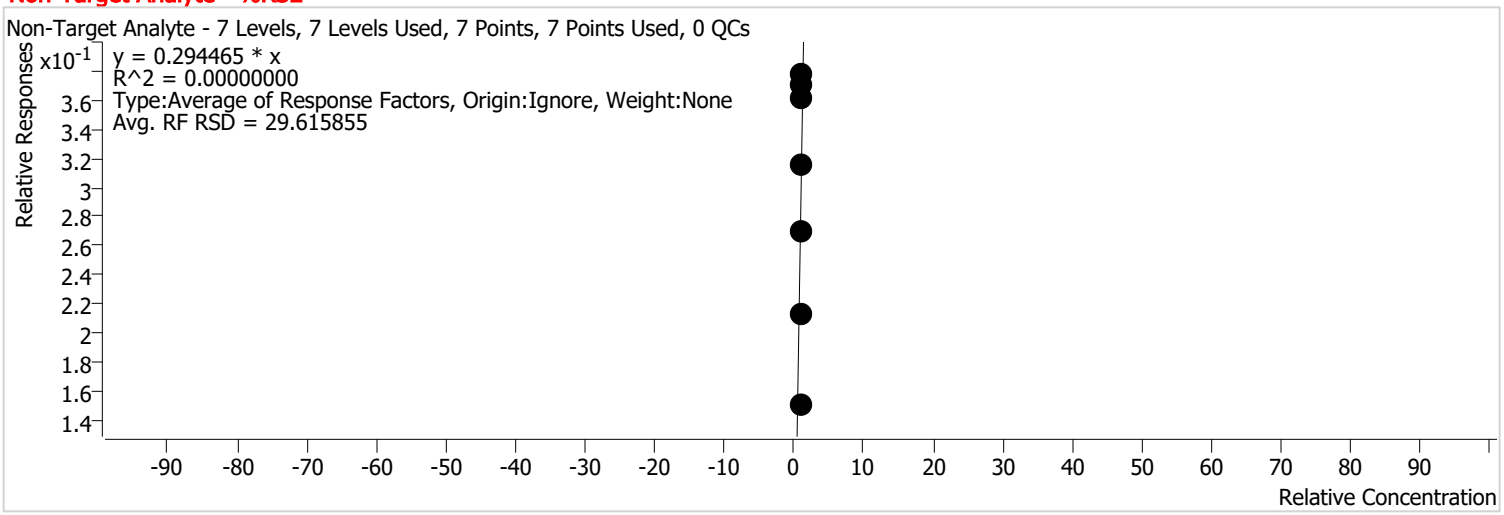


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\051425\051431.D	Calibration	7	x	12825325	25.0000	1.7078	
D:\GC-9\DATA\051425\051430.D	Calibration	6	x	8126553	25.0000	1.3367	
D:\GC-9\DATA\051425\051429.D	Calibration	5	x	6192068	25.0000	1.2175	
D:\GC-9\DATA\051425\051428.D	Calibration	4	x	4242560	25.0000	0.9516	
D:\GC-9\DATA\051425\051427.D	Calibration	3	x	3772492	25.0000	0.8419	
D:\GC-9\DATA\051425\051426.D	Calibration	2	x	3484994	25.0000	0.7733	
D:\GC-9\DATA\051425\051425.D	Calibration	1	x	3258906	25.0000	0.7781	

Calibration Report

Batch Path	D:\GC-9\DATA\051425\QuantResults\GX ICAL.batch.bin		
Analysis Time	5/16/2025 2:39 PM	**Analyst Name**	FA\GC9
Report Time	5/16/2025 2:43:06 PM	**Reporter Name**	FA\GC9
Last Calib Update	5/15/2025 8:19 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

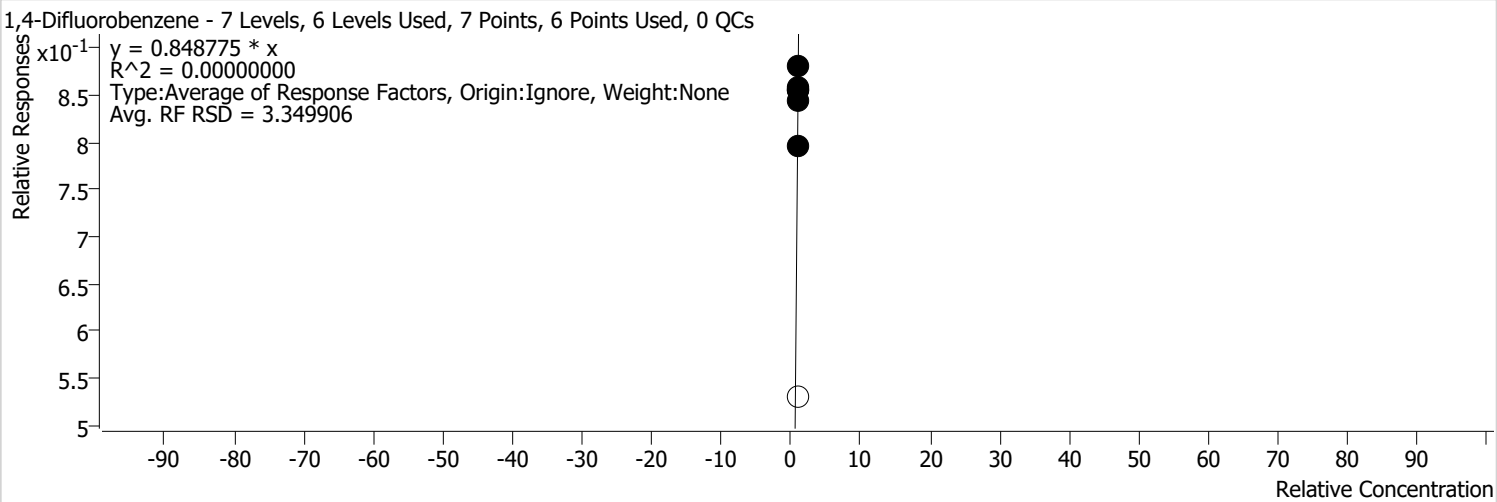
Non-Target Analyte %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\051425\051431.D	Calibration	7	x	1134063	25.0000	0.1510	
D:\GC-9\DATA\051425\051430.D	Calibration	6	x	1298471	25.0000	0.2136	
D:\GC-9\DATA\051425\051429.D	Calibration	5	x	1369257	25.0000	0.2692	
D:\GC-9\DATA\051425\051428.D	Calibration	4	x	1411149	25.0000	0.3165	
D:\GC-9\DATA\051425\051427.D	Calibration	3	x	1665210	25.0000	0.3716	
D:\GC-9\DATA\051425\051426.D	Calibration	2	x	1629553	25.0000	0.3616	
D:\GC-9\DATA\051425\051425.D	Calibration	1	x	1581983	25.0000	0.3777	

Batch Path	D:\GC-9\DATA\051425\QuantResults\GX ICAL.batch.bin		
Analysis Time	5/16/2025 2:39 PM	**Analyst Name**	FA\GC9
Report Time	5/16/2025 2:43:06 PM	**Reporter Name**	FA\GC9
Last Calib Update	5/15/2025 8:19 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

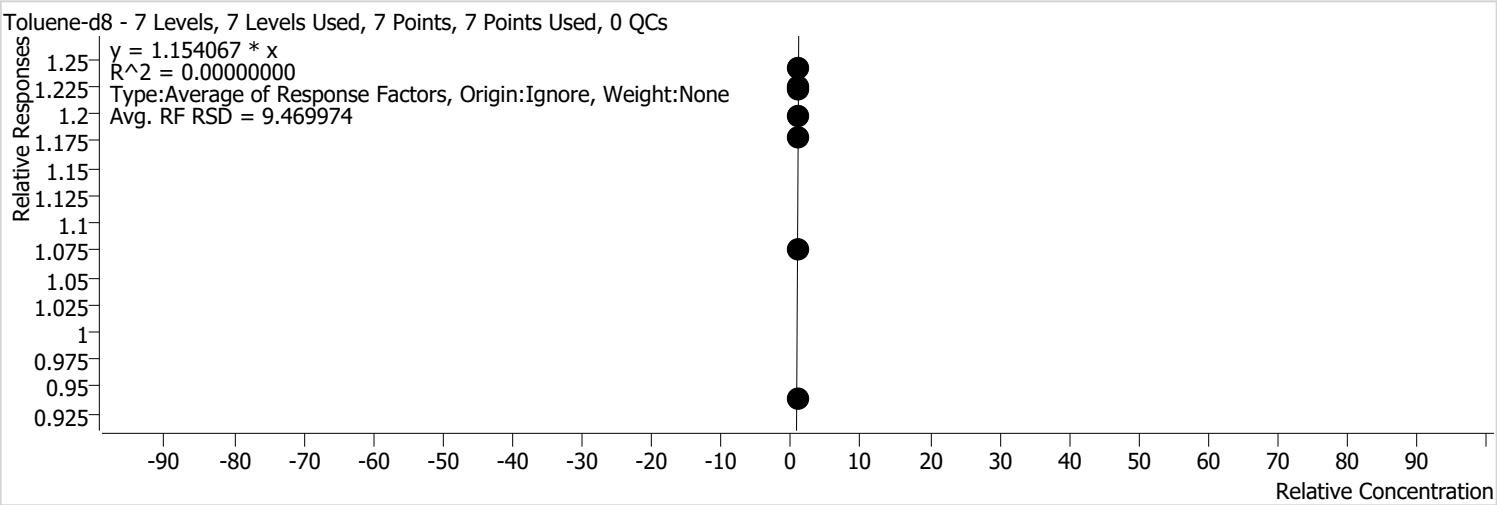
1,4-Difluorobenzene %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\051425\051431.D	Calibration	7		3987466	25.0000	0.5310	
D:\GC-9\DATA\051425\051430.D	Calibration	6	x	4840143	25.0000	0.7962	
D:\GC-9\DATA\051425\051429.D	Calibration	5	x	4288308	25.0000	0.8432	
D:\GC-9\DATA\051425\051428.D	Calibration	4	x	3822119	25.0000	0.8573	
D:\GC-9\DATA\051425\051427.D	Calibration	3	x	3945075	25.0000	0.8804	
D:\GC-9\DATA\051425\051426.D	Calibration	2	x	3859444	25.0000	0.8564	
D:\GC-9\DATA\051425\051425.D	Calibration	1	x	3598847	25.0000	0.8592	

Batch Path	D:\GC-9\DATA\051425\QuantResults\GX ICAL.batch.bin		
Analysis Time	5/16/2025 2:39 PM	**Analyst Name**	FA\GC9
Report Time	5/16/2025 2:43:06 PM	**Reporter Name**	FA\GC9
Last Calib Update	5/15/2025 8:19 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Toluene-d8 %RSE =

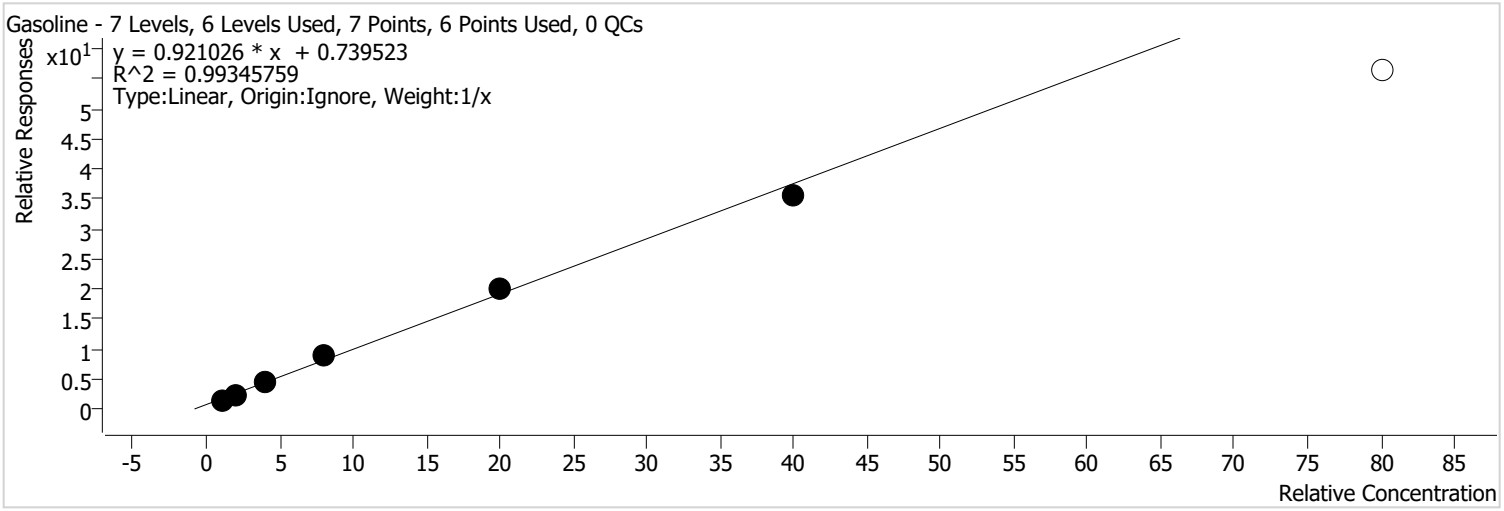


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\051425\051431.D	Calibration	7	x	7055534	25.0000	0.9395	
D:\GC-9\DATA\051425\051430.D	Calibration	6	x	6542452	25.0000	1.0762	
D:\GC-9\DATA\051425\051429.D	Calibration	5	x	5990916	25.0000	1.1779	
D:\GC-9\DATA\051425\051428.D	Calibration	4	x	5339770	25.0000	1.1976	
D:\GC-9\DATA\051425\051427.D	Calibration	3	x	5561976	25.0000	1.2413	
D:\GC-9\DATA\051425\051426.D	Calibration	2	x	5506123	25.0000	1.2218	
D:\GC-9\DATA\051425\051425.D	Calibration	1	x	5127116	25.0000	1.2241	

Calibration Report

Batch Path	D:\GC-9\DATA\051425\QuantResults\GX ICAL.batch.bin		
Analysis Time	5/16/2025 2:39 PM	**Analyst Name**	FA\GC9
Report Time	5/16/2025 2:43:06 PM	**Reporter Name**	FA\GC9
Last Calib Update	5/15/2025 8:19 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

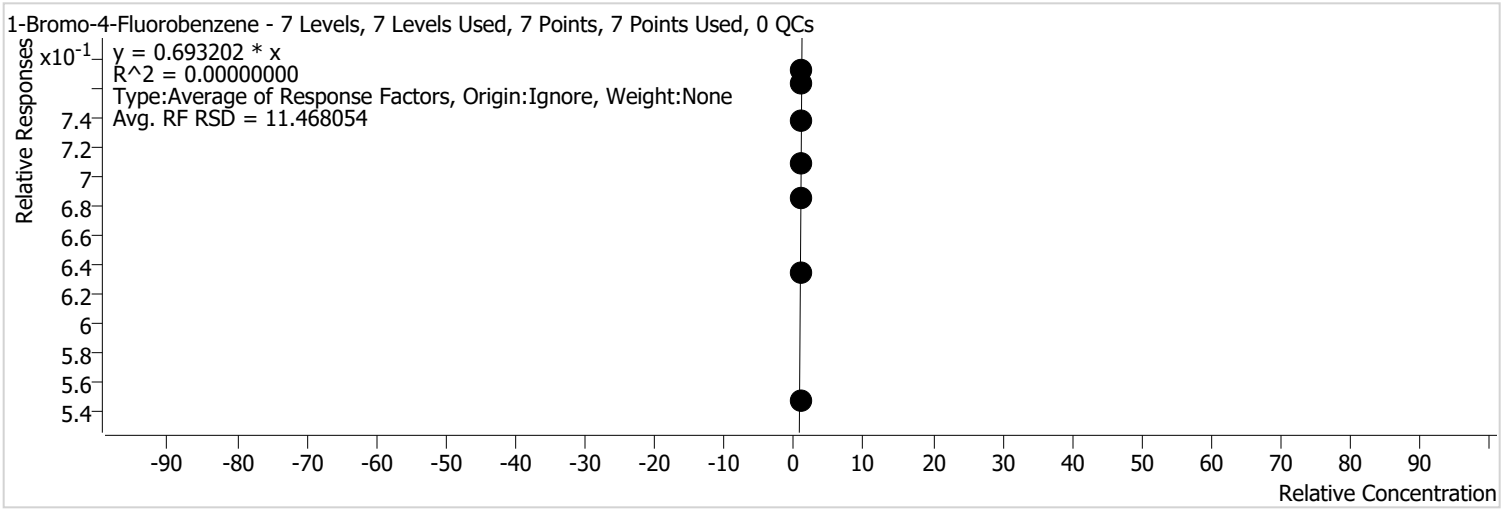
Gasoline %RSE = 10.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\051425\051425.D	Calibration	1	x	6426093	25.0000	1.5342	
D:\GC-9\DATA\051425\051426.D	Calibration	2	x	11245253	50.0000	1.2477	
D:\GC-9\DATA\051425\051427.D	Calibration	3	x	20498536	100.0000	1.1437	
D:\GC-9\DATA\051425\051428.D	Calibration	4	x	40803097	200.0000	1.1440	
D:\GC-9\DATA\051425\051429.D	Calibration	5	x	102683567	500.0000	1.0095	
D:\GC-9\DATA\051425\051430.D	Calibration	6	x	216235506	1000.0000	0.8892	
D:\GC-9\DATA\051425\051431.D	Calibration	7		423147158	2000.0000	0.7043	

Batch Path	D:\GC-9\DATA\051425\QuantResults\GX ICAL.batch.bin		
Analysis Time	5/16/2025 2:39 PM	**Analyst Name**	FA\GC9
Report Time	5/16/2025 2:43:06 PM	**Reporter Name**	FA\GC9
Last Calib Update	5/15/2025 8:19 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

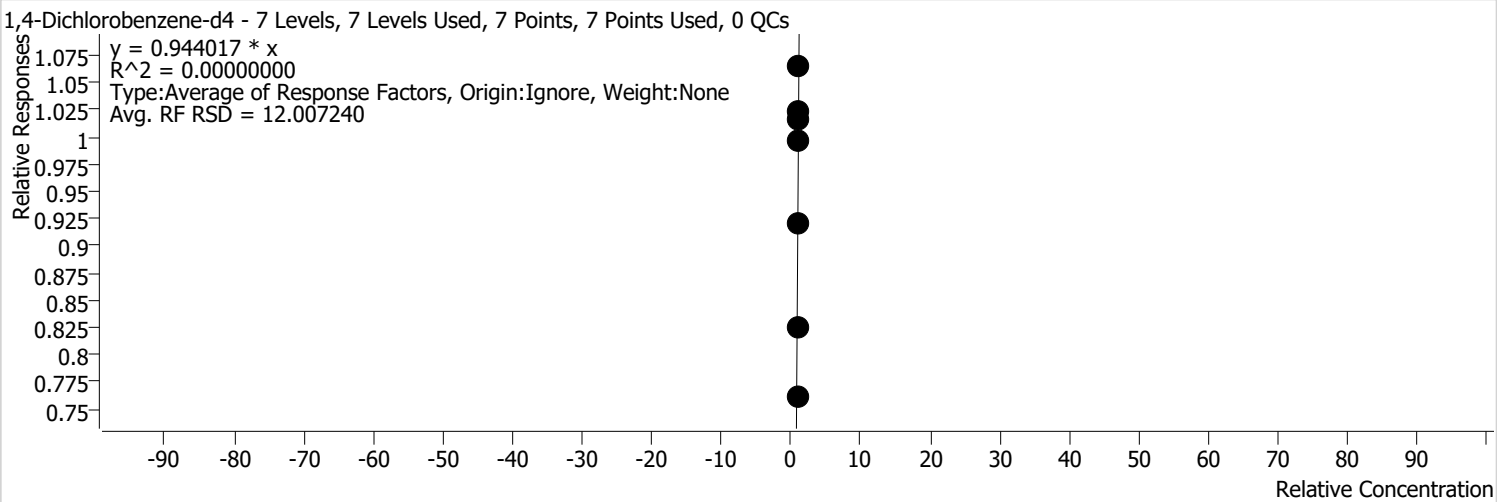
1-Bromo-4-Fluorobenzene %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\051425\051431.D	Calibration	7	x	4119757	25.0000	0.5486	
D:\GC-9\DATA\051425\051430.D	Calibration	6	x	3855889	25.0000	0.6343	
D:\GC-9\DATA\051425\051429.D	Calibration	5	x	3488088	25.0000	0.6858	
D:\GC-9\DATA\051425\051428.D	Calibration	4	x	3166426	25.0000	0.7102	
D:\GC-9\DATA\051425\051427.D	Calibration	3	x	3305199	25.0000	0.7376	
D:\GC-9\DATA\051425\051426.D	Calibration	2	x	3441145	25.0000	0.7636	
D:\GC-9\DATA\051425\051425.D	Calibration	1	x	3234866	25.0000	0.7723	

Batch Path	D:\GC-9\DATA\051425\QuantResults\GX ICAL.batch.bin		
Analysis Time	5/16/2025 2:39 PM	**Analyst Name**	FA\GC9
Report Time	5/16/2025 2:43:06 PM	**Reporter Name**	FA\GC9
Last Calib Update	5/15/2025 8:19 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,4-Dichlorobenzene-d4 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-9\DATA\051425\051431.D	Calibration	7	x	5722682	25.0000	0.7620	
D:\GC-9\DATA\051425\051430.D	Calibration	6	x	5009740	25.0000	0.8240	
D:\GC-9\DATA\051425\051429.D	Calibration	5	x	4677389	25.0000	0.9197	
D:\GC-9\DATA\051425\051428.D	Calibration	4	x	4534831	25.0000	1.0171	
D:\GC-9\DATA\051425\051427.D	Calibration	3	x	4471189	25.0000	0.9978	
D:\GC-9\DATA\051425\051426.D	Calibration	2	x	4609203	25.0000	1.0228	
D:\GC-9\DATA\051425\051425.D	Calibration	1	x	4459142	25.0000	1.0646	

GX Calibration

Fremont

Date: 5/14/25

Analyst: FC

Instrument: GC-09

Cal	ICV
GX Standard: 31190	GX Standard: 30200

IS/Surrogate 31259 MeOH 8942

Spike Conc. (ppb)	Intermediate Spike (uL)	Cal GX Spike (uL)	ICV GX Spike (uL)	Final Vol. (mL)	Comments
25	50	--	--	50	
50	100	--	--	50	
100		2.00	--	50	
200		4.00	--	50	
500		10.00	--	50	
1000		20.00	--	50	
2000		40.00	--	50	
ICV (~~500~~ 5000 ppb) FC 5/14/25		--	~~10.00~~ 5 FC 5/14/25	50	

	GX Cal (uL)	P&T MeOH (uL)	Final Volume (mL)
Intermediate	10	990	1

Signature and Date: [signature] 5/14/25

Signature: ADK

Calibration Checklist - Gx by GC/MS

Analyst Name:	FG	**Test:**	O-VOC-GX-W
Instrument:	GC-9	**Calibration Date:**	5/14/25
Run Number:	99819	**Reporting Date:**	5/16/25

Calibration Curve		**Analyst**	
Requirement	**Detail**	**Yes**	**No**
Number of Points	The calibration includes at least 5 points. Note any dropped or re-ran points.	✔	
Allowed Curve Fits	The calibration uses a linear fit. Origin is either ignored or forced.	✔	
Curve Fit Weights	Allowed weights can be applied (1/x, $1/x^2$). Cannot combine with force origin.	✔	
R-Squared / RSD	r^2 ≥0.990 or RSD ≤20% (RSD ≤25% for AK101)	✔	
LOQ in Calibration	Are Omega LOQs within the calibration range? Note exceptions	✔	
Notes on Section		**Reviewer**	
P7 dropped for GX. Top of the cal is 1000ug/L		**Yes** ✔	**No**

Requirement	**Detail**	**Yes**	**No**
Relative Error	At LOQ-Associated Point: 50-150%, Above LOQ Point: 85-115%	✔	
ICB Results	Calibration analytes are not detected in the ICB - note exceptions below	✔	
ICV Results	Recoveries in the ICV are 80-120% (70-130% for NWTPH-Gx and EPA 8015c, 75-125% for AK101)	✔	
Notes on Section		**Reviewer**	
		Yes ✔	**No**

Documentation		**Analyst**	
Requirement	**Detail**	**Yes**	**No**
Standards & Reagents	IS+Surrogate, Cal and SS for Gx std	✔	
ICV Second Source	ICV made from a separate source than calibration (excl. surrogate)	✔	
Documents Attached	Calibration benchsheet, injection log, tune check, chromatograms, initial calibration report, general calibration report	✔	
Notes on Section		**Reviewer**	
		Yes ✔	**No**

Other Requirements		**Analyst**	
Requirement	**Detail**	**Yes**	**No**
Tune Checks	The calibration is within a 12 hour window of a passing tune check	✔	
Peak Resolution	Ethylbenzene is resolved from m/p-xylenes.	✔	
GRO Integration	NWTPH-Gx: Includes toluene(C_8) through napthalene(C_{12}). EPA 8015c: C_6 to C_{10}, established by the retention time of 2-methylpentane and 1,2,4-trimethylbenzene. AK101: n-hexane(C_6) to n-decane(C_{10}).	✔	
Meets DoD?	To meet DoD requirements, the r^2/RSD and ICV results must pass at their strictest ranges.	✔	
Notes on Section		**Reviewer**	
		Yes ✔	**No**

Additional Notes Section

Signatures

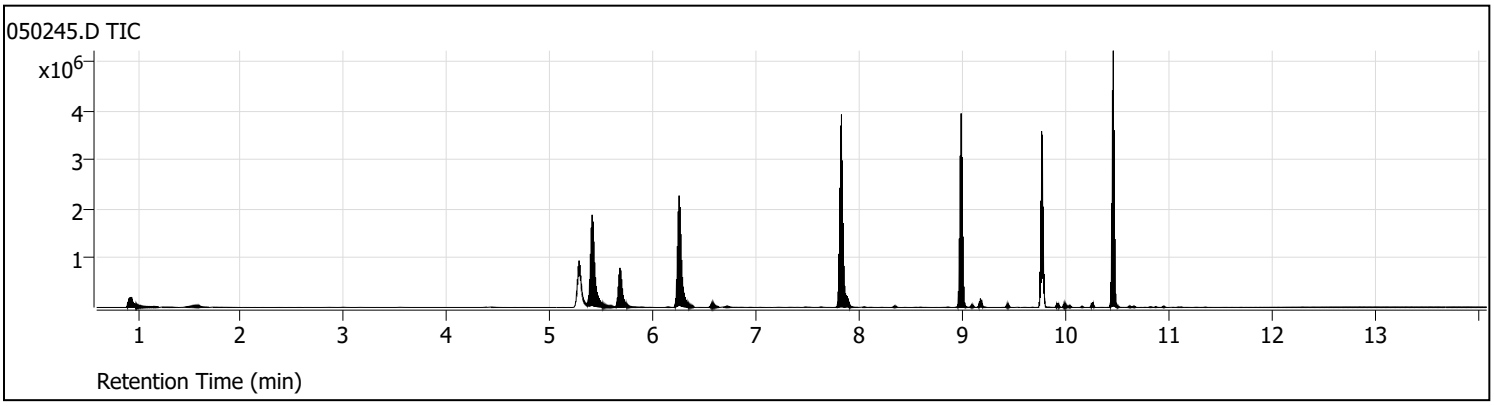
This calibration meets the QA Program of Alliance Technical Group, LLC - Seattle, with any deviations enumerated above:

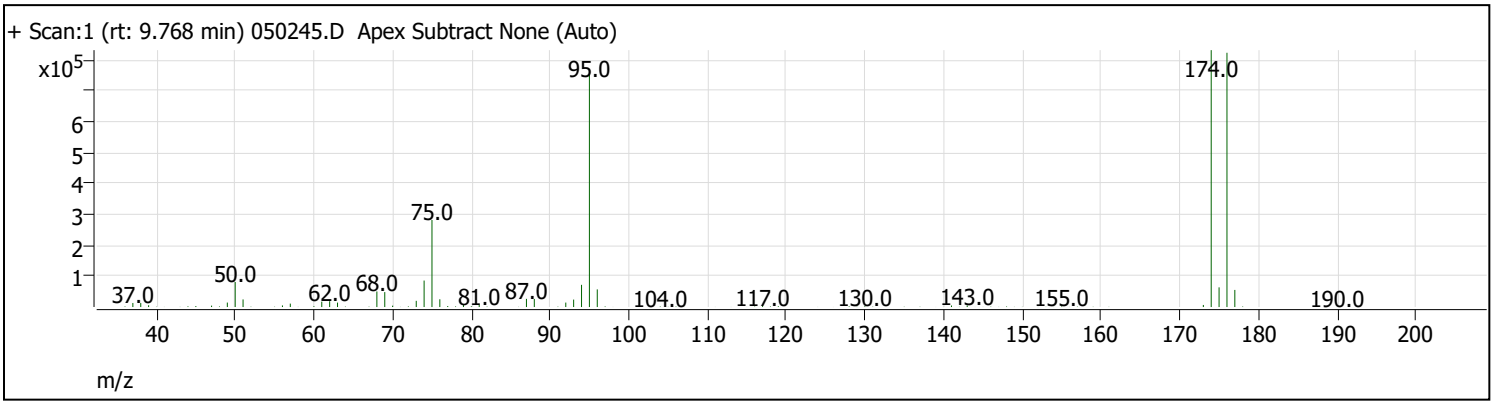
Analyst Initials:	FG	**Date:**	5/16/25
Reviewer Initials:	LAD	**Date:**	5/16/25

Tunes

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\050225\050245.D
Acq on:	5/3/2025 4:03:19 AM
Operator:	KJ/FG
Sample:	GX ICAL 1
Inst Name:	GC-27
ALS Vial:	68
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

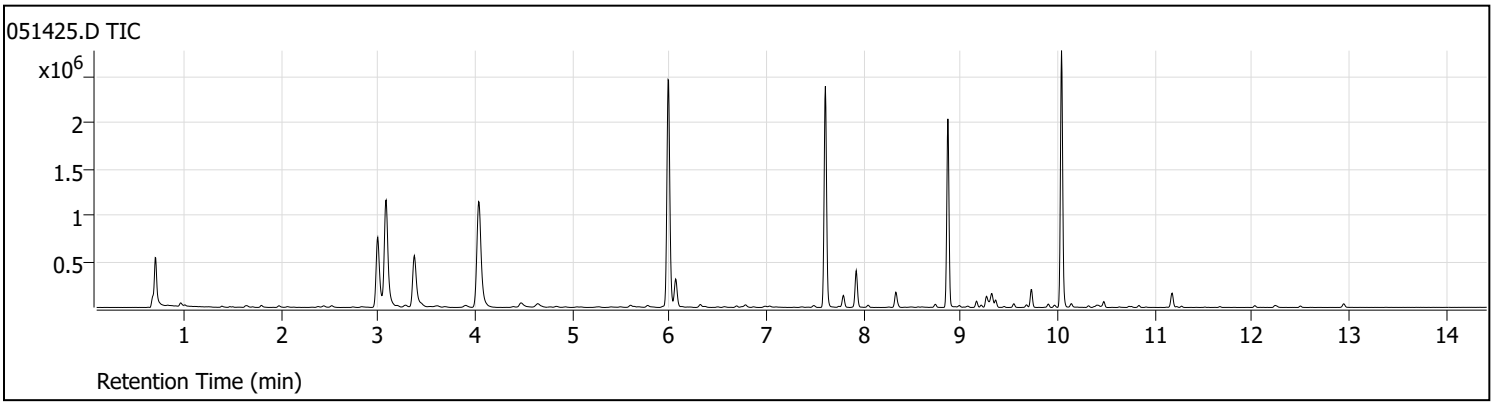


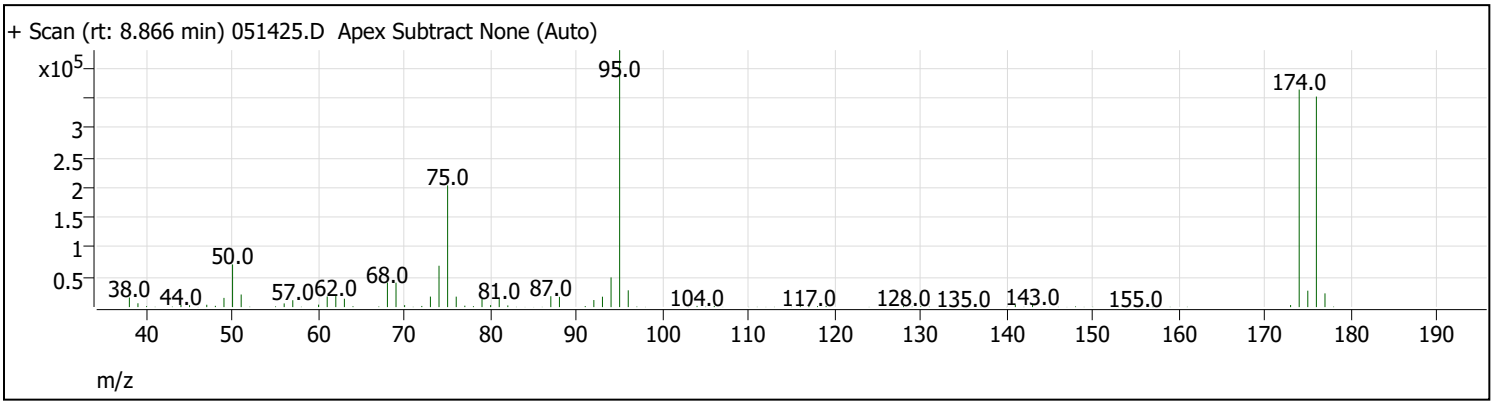


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	92.7	769498	Pass
96	95	5	9	7.4	57000	Pass
173	174	0	2	0.8	6731	Pass
174	95	50	200	107.9	830278	Pass
175	174	5	9	7.7	63613	Pass
176	174	95	105	99.0	821837	Pass
177	176	5	10	6.7	55329	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\051425\051425.D
Acq on:	5/15/2025 2:49:37 AM
Operator:	FA\GC9
Sample:	GX ICAL 1
Inst Name:	GC-9
ALS Vial:	12
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

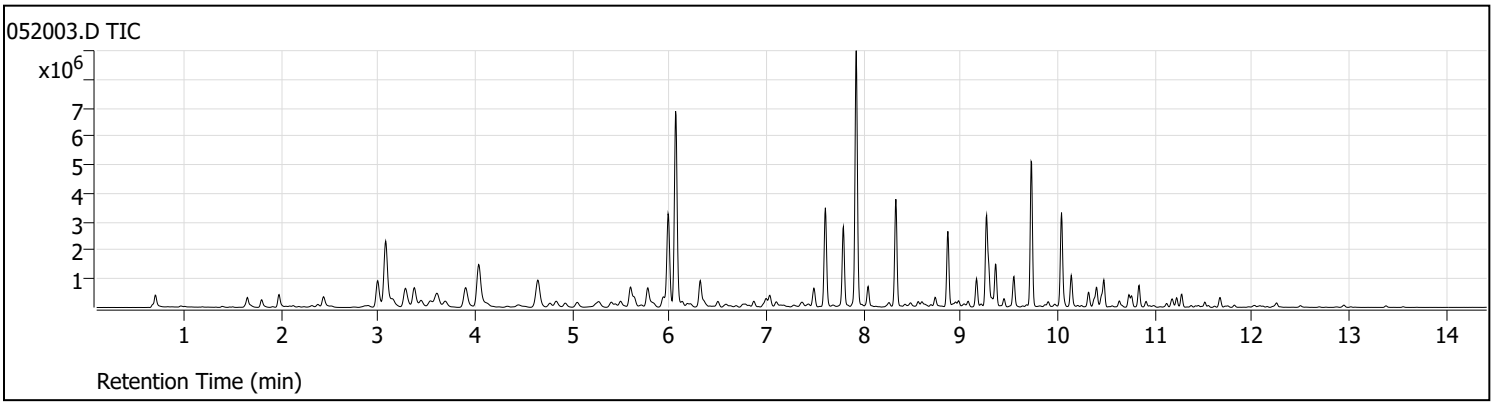


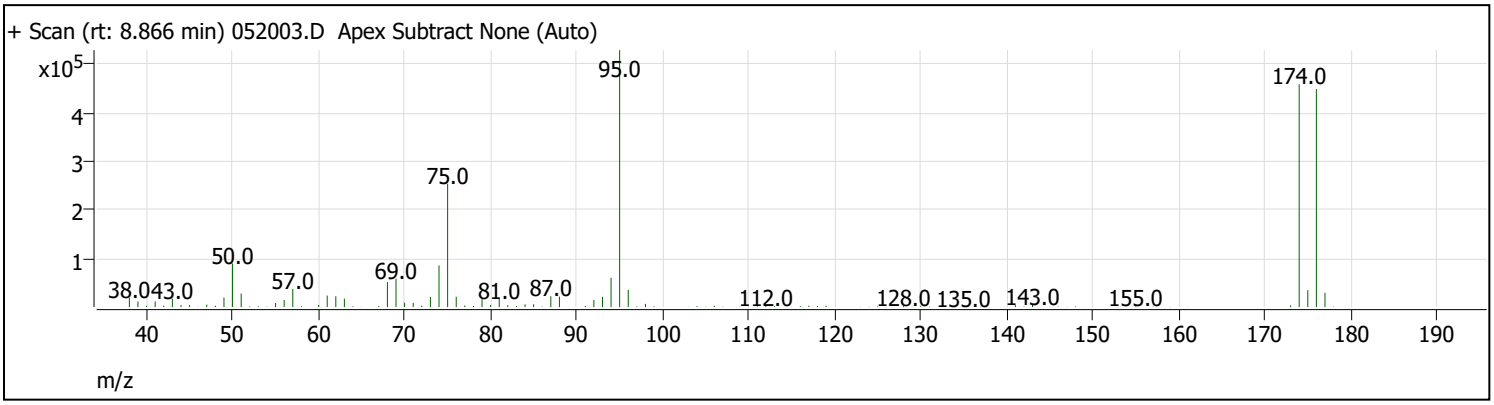


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	118.1	429440	Pass
96	95	5	9	6.5	28072	Pass
173	174	0	2	0.9	3453	Pass
174	95	50	200	84.7	363648	Pass
175	174	5	9	7.5	27440	Pass
176	174	95	105	96.8	351872	Pass
177	176	5	10	6.5	22976	Pass

Tune Evaluation Report

Data Path:	D:\GC-9\DATA\052025\052003.D
Acq on:	5/20/2025 2:57:26 PM
Operator:	FA\GC9
Sample:	GX CCV
Inst Name:	GC-9
ALS Vial:	55
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

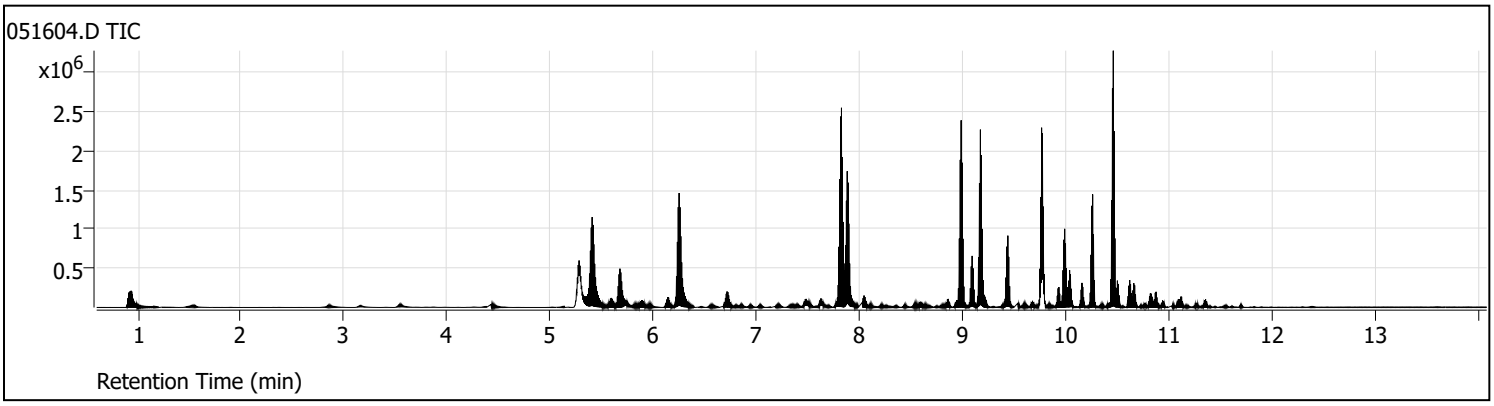


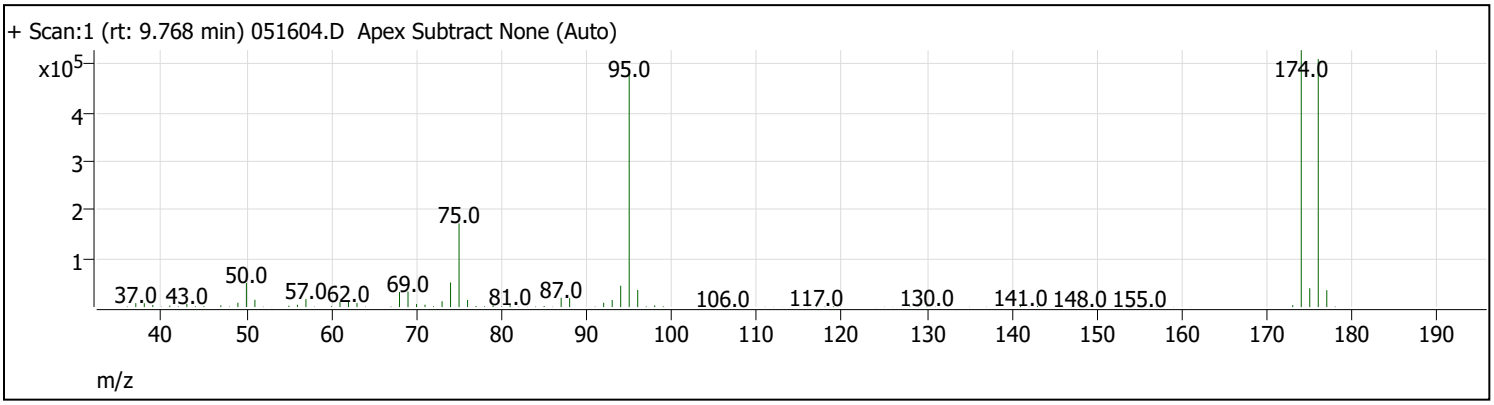


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	115.3	528448	Pass
96	95	5	9	6.7	35480	Pass
173	174	0	2	0.8	3525	Pass
174	95	50	200	86.7	458304	Pass
175	174	5	9	7.6	34808	Pass
176	174	95	105	97.8	448320	Pass
177	176	5	10	6.6	29512	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\051625\051604.D
Acq on:	5/16/2025 9:54:32 AM
Operator:	KJ/FG
Sample:	GX CCV
Inst Name:	GC-27
ALS Vial:	42
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

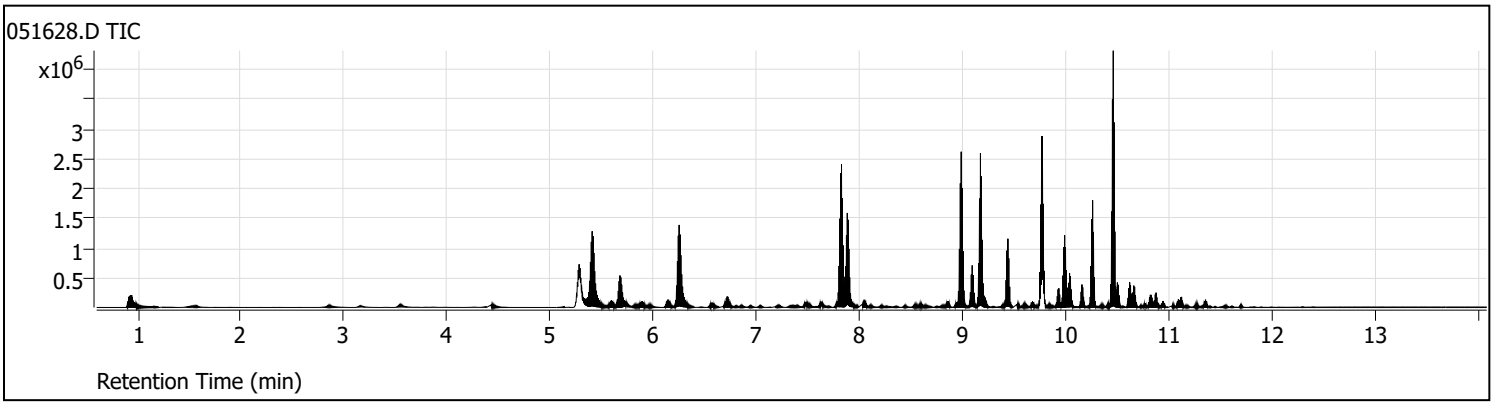


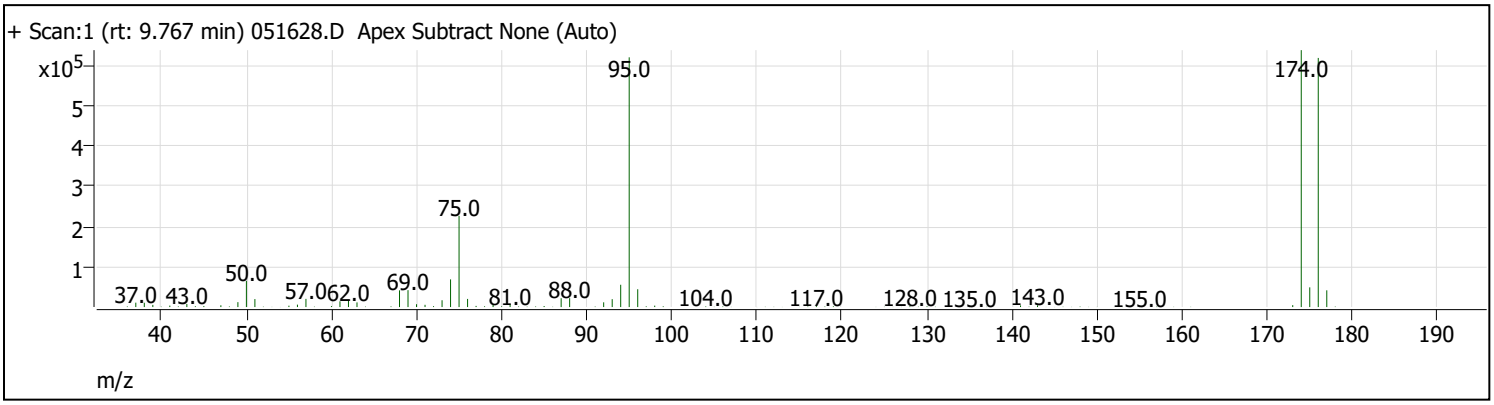


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	92.4	489083	Pass
96	95	5	9	7.2	35231	Pass
173	174	0	2	0.7	3877	Pass
174	95	50	200	108.2	529202	Pass
175	174	5	9	7.3	38809	Pass
176	174	95	105	96.5	510833	Pass
177	176	5	10	6.8	34859	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\051625\051628.D
Acq on:	5/16/2025 8:23:27 PM
Operator:	KJ/FG
Sample:	GX CCV
Inst Name:	GC-27
ALS Vial:	62
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

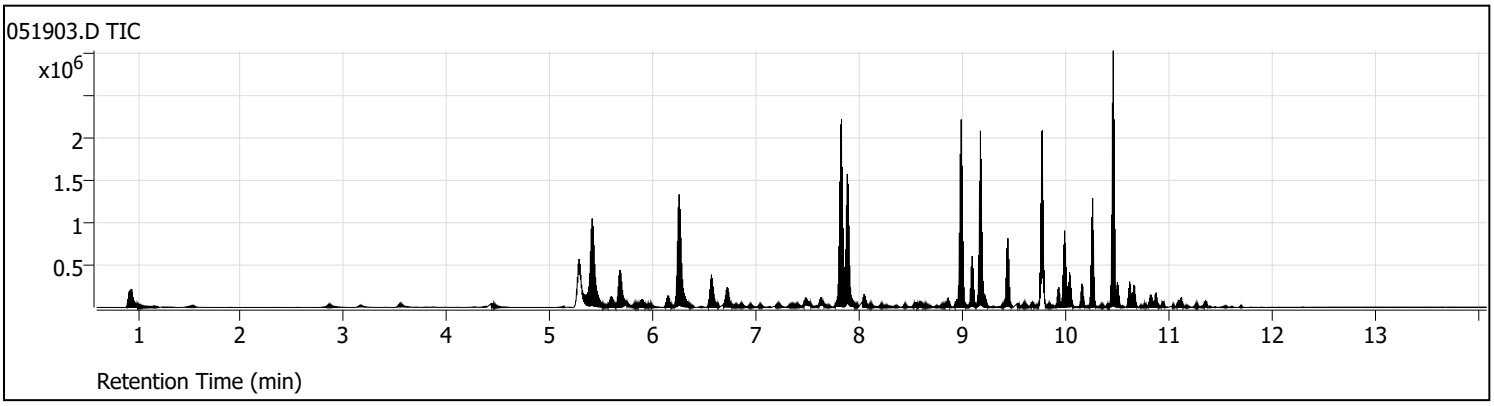


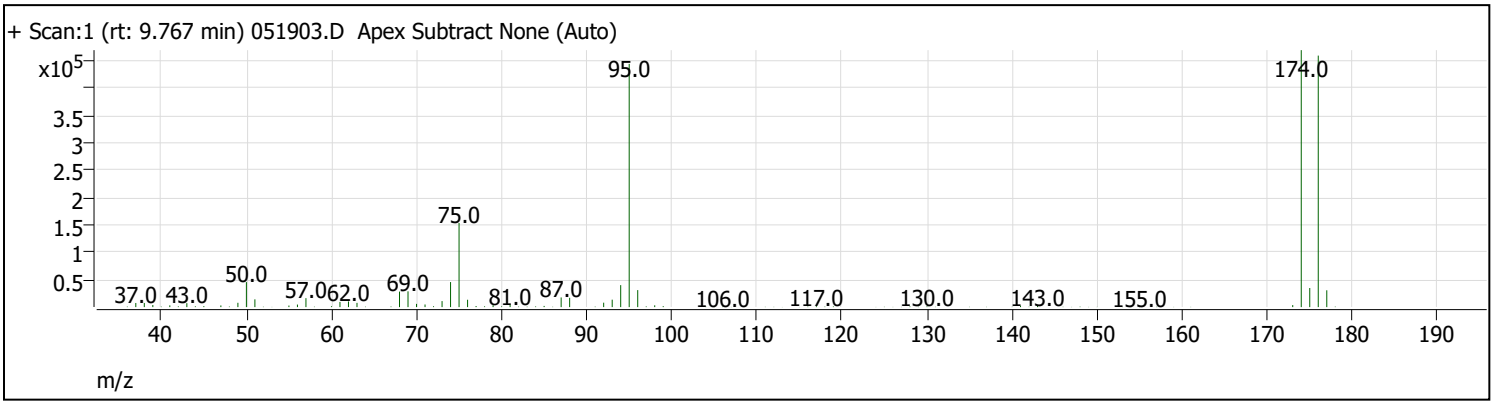


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	97.2	619661	Pass
96	95	5	9	7.1	44230	Pass
173	174	0	2	0.7	4735	Pass
174	95	50	200	102.9	637464	Pass
175	174	5	9	7.7	48893	Pass
176	174	95	105	97.0	618164	Pass
177	176	5	10	6.7	41530	Pass

Tune Evaluation Report

Data Path:	Z:\GC-27\DATA\051625\051903.D
Acq on:	5/19/2025 12:36:34 PM
Operator:	KJ/FG
Sample:	GX CCV
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	94.7	445047	Pass
96	95	5	9	7.0	31108	Pass
173	174	0	2	0.8	3659	Pass
174	95	50	200	105.7	470200	Pass
175	174	5	9	7.4	34938	Pass
176	174	95	105	97.9	460205	Pass
177	176	5	10	6.7	30741	Pass

Internal Standards

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-9_250521C

Run No: 99913

Lab File ID (Standard): 051429.D

Instrument ID: GC-9

GC Column: ID (mm):

CCV Name: GX 99819

CCV SeqNo: 2081152

Date Analyzed: 5/15/2025

Time Analyzed: 4:30

Length (M):

		IS1 (CBZ) AREA #	RT #	IS2 (14DCBZ) AREA #	RT #				
	12 HOUR STD	5085900	7.604	4677389	10.037				
	UPPER LIMIT	10171800	8.104	9354778	10.537				
	LOWER LIMIT	2542950	7.104	2338695	9.537				
	SAMPLE NO.								
01	GX-CCV-99913A	6.26393e+006	7.604	5.6375e+006	10.037				
02	GX-CCV-99913B	5.64824e+006	7.604	5.33224e+006	10.037				

IS1 (CBZ) = Chlorobenzene-d5
IS2 (14DCBZ) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-9_250521C

Run No: 99913

Lab File ID (Standard): 052003.D

Instrument ID: GC-9

GC Column: ID (mm):

CCV Name: GX-CCV-99913A

CCV SeqNo: 2081153

Date Analyzed: 5/20/2025

Time Analyzed: 14:57

Length (M):

		IS1 (CBZ) AREA #	RT #	IS2 (14DCBZ) AREA #	RT #				
	12 HOUR STD	6263932	7.604	5637496	10.037				
	UPPER LIMIT	12527864	8.104	11274992	10.537				
	LOWER LIMIT	3131966	7.104	2818748	9.537				
	SAMPLE NO.								
01	LCS-47802	6.26393e+006	7.604	5.6375e+006	10.037				
02	MB-47802	4.78834e+006	7.604	5.29191e+006	10.037				
03	2505258-001A	4.87661e+006	7.604	5.14914e+006	10.037				
04	2505258-002A	4.81332e+006	7.604	5.26571e+006	10.037				
05	2505258-003A	4.74713e+006	7.604	5.26355e+006	10.037				
06	2505258-004A	4.80681e+006	7.604	5.20158e+006	10.037				
07	2505258-002AMS	5.1535e+006	7.604	5.50239e+006	10.037				
08	LCSD-47802	5.64824e+006	7.604	5.33224e+006	10.037				

IS1 (CBZ) = Chlorobenzene-d5
IS2 (14DCBZ) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-27_250521F

Run No: 99916

Lab File ID (Standard): 050249.D

Instrument ID: GC-27

GC Column: ID (mm):

CCV Name: GX 99505

CCV SeqNo: 2081207

Date Analyzed: 5/3/2025

Time Analyzed: 5:48

Length (M):

		IS1 (CBZ) AREA #	RT #	IS2 (14DCBZ) AREA #	RT #				
	12 HOUR STD	7137161	8.988	8247316	10.463				
	UPPER LIMIT	14274322	9.488	16494632	10.963				
	LOWER LIMIT	3568581	8.488	4123658	9.963				
	SAMPLE NO.								
01	GX-CCV-99916A	4.51283e+006	8.987	5.47708e+006	10.463				
02	GX-CCV-99916B	4.92297e+006	8.987	7.08702e+006	10.463				
03	GX-CCV-99916C	4.22065e+006	8.987	4.98216e+006	10.463				

IS1 (CBZ) = Chlorobenzene-d5
IS2 (14DCBZ) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-27_250521F

CCV Name: GX-CCV-99916A

Run No: 99916

CCV SeqNo: 2081208

Lab File ID (Standard): 051604.D

Date Analyzed: 5/16/2025

Instrument ID: GC-27

Time Analyzed: 9:54

GC Column: ID (mm): Length (M):

		IS1 (CBZ) AREA #	RT #	IS2 (14DCBZ) AREA #	RT #				
	12 HOUR STD	4512834	8.987	5477083	10.463				
	UPPER LIMIT	9025668	9.487	10954166	10.963				
	LOWER LIMIT	2256417	8.487	2738542	9.963				
	SAMPLE NO.								
01	LCS-47744	4.51283e+006	8.987	5.47708e+006	10.463				
02	MB-47744	4.63123e+006	8.987	5.34645e+006	10.463				
03	2505316-001A	4.50639e+006	8.987	4.69446e+006	10.463				
04	2505316-001ADUP	4.80057e+006	8.987	5.53985e+006	10.463				

IS1 (CBZ) = Chlorobenzene-d5
IS2 (14DCBZ) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-27_250521F

CCV Name: GX-CCV-99916B

Run No: 99916

CCV SeqNo: 2081212

Lab File ID (Standard): 051628.D

Date Analyzed: 5/16/2025

Instrument ID: GC-27

Time Analyzed: 20:23

GC Column: ID (mm): Length (M):

		IS1 (CBZ) AREA #	RT #	IS2 (14DCBZ) AREA #	RT #				
	12 HOUR STD	4922968	8.987	7087018	10.463				
	UPPER LIMIT	9845936	9.487	14174036	10.963				
	LOWER LIMIT	2461484	8.487	3543509	9.963				
	SAMPLE NO.								
01	2505258-005A	5.85076e+006	8.988	6.44951e+006	10.464				

IS1 (CBZ) = Chlorobenzene-d5
IS2 (14DCBZ) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Supporting Data

5030B Prep Bench Sheet

Analyst:	KJ
Date and Time:	5/16/25
Batch:	47744

Spikes / Chemicals / Reagents	Omega ID	Amount Used	Final Volume
VOC Standard 20 µg/mL (LCS/LCSD)	31182	50 µL	50 mL
GX Standard 2,500 µg/mL (LCS/LCSD)	31196	10 µL	
VOC Standard 20 µg/mL (MS/MSD)	31182	43 µL	43 mL
GX Standard 2,500 µg/mL (MS/MSD)	31196	8.6 µL	

Notes/Modificaitons

Samples verified pH < 2	Initial/Date

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date
	KJ 5/16/25

Equipment	
Pipette:	41
Balance:	
Other:	

Dilutions	
Sample ID	Dilution Description
5000 x 1	0.5 mL into 1.5 mL
x 1	5x, 3% into 1.5 mL
x 10	10x, 2.5 mL into 15 mL
x 2	2x, 1.5 mL into 15 mL

Sign and date below if you contributed to the preparation of this batch
Kelsey Jm 5/16/25

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **5/16/2025 9:21:51 A**
Prep End Date: **5/16/2025 2:18:12 P**
Technician: **Kelsey Jones**

Prep Factor Units:
mL / mL

Prep Batch ID: **47744** Prep Code: **PREP-5030** Method No: **SW5030**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-47744		Water	40	40	1.000	5/16/2025	5/16/2025
LCS-47744		Water	40	40	1.000	5/16/2025	5/16/2025
2505316-001A	COV-SWW36 5/25	Stormwater	40	40	1.000	5/16/2025	5/16/2025
2505316-001ADUP		Stormwater	40	40	1.000	5/16/2025	5/16/2025
2505283-001A	KSAI-AO-Kent-051425	Water	40	40	1.000	5/16/2025	5/16/2025
2505283-001AMS		Water	40	40	1.000	5/16/2025	5/16/2025
2505258-005A	Trip Blank	Water	40	40	1.000	5/16/2025	5/16/2025
2505258-001A	DUP-051225	Water	40	40	1.000	5/16/2025	5/16/2025
2505258-002A	GEI-11-051225	Water	40	40	1.000	5/16/2025	5/16/2025
2505258-002AMS		Water	40	40	1.000	5/16/2025	5/16/2025
2505258-003A	GEI-12-051225	Water	40	40	1.000	5/16/2025	5/16/2025
2505258-004A	GEI-13-051225	Water	40	40	1.000	5/16/2025	5/16/2025
2505290-001A	MW-102-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025
2505290-002A	MW-326-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025
2505290-003A	MW-236R-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025
2505290-004A	MW-325-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025
2505290-005A	MW-160-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025
2505290-006A	MW-116-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025
2505290-007A	MW-317-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025
2505290-008A	MW-115-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025
2505290-009A	MW-331-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025
2505290-011A	MW-308-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025
2505290-012A	FMW-141-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025
2505290-015A	MW-119-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **5/16/2025 9:21:51 A**
Prep End Date: **5/16/2025 2:18:12 P**
Technician: **Kelsey Jones**

Prep Factor Units:
mL / mL

Prep Batch ID: **47744** Prep Code: **PREP-5030** Method No: **SW5030**

2505290-016A	TB-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025

Prep Method hold time was exceeded by 1 day(s)

Reporting Checklist

Alliance TECHNICAL GROUP

Analyst: KJ	Workorder(s): 05258
Date: 5/21/25	
Prep #: 47744	
Run(s) #:99916	Analysis: O-VOC-GX-W

Y/N

Y **Run complete? (i.e., all QC, samples, dilutions present)**

N **All QC within limits?** Exceedances acceptable per QA Manual and/or Auth'd by PM_____?

□CCV out □LCS out □MS out □Blank hits □IS/surr out □RPD out

□Hold time ☑Other_____

Closing CCV run out of shift due to instrument error. 05258-5A had no remaining volume for re-analysis

N Any pending dilutions, re-extracts, or reanalysis to be completed in future run?

☐ **Manual entries/narratives reviewed for accuracy? (note below)** Analyst: _____ Reviewer: _____

✔ **Omega checks performed?**

✔ SampID, Test Code, Samp Type, Prep ✔

☐ PMOIST, pH ✔

✔ BLKref, SPKref, RPDref, CCVref ✔

✔ Attachments ✔

☑Sequence ☑Cgrams ☑Bench Sheets ☑Perf Checks ☑Tech Doc

✔ Related Info ✔

☑ICAL Ref ☑ICAL Ack/QA'd? ☑Spiking Info/CCV Std □_____

✔ Reporting Checks ✔

□Dilutions/narr redundancy check (important!) □RLs OK (low wt, high pmoist, dilutions)

Notes for Reviewer

By signing, I attest that I have followed the SOP

Kelsey Jones	5/21/25	Savannah Houser	5/21/25
Analyst	Date	Reviewer	Date

Signature: MG

5030B Prep Bench Sheet

Analyst:	KS
Date and Time:	5/20/25
Batch:	47202

Spikes / Chemicals / Reagents	Omega ID	Amount Used	Final Volume
VOC Standard 20 µg/mL (LCS/LCSD)		50 µL	
GX Standard 2,500 µg/mL (LCS/LCSD)	3496	10 µL	50 mL
VOC Standard 20 µg/mL (MS/MSD)		43 µL	
GX Standard 2,500 µg/mL (MS/MSD)	3496	8.6 µL	43 mL

Notes/Modificaitons

Samples verified pH < 2	Initial/Date

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date
	KS 5/20/25

Equipment	
Pipette:	
Balance:	
Other:	

Dilutions	
Sample ID	Dilution Description

Sign and date below if you contributed to the preparation of this batch
Kelsey Sm 5/20/25

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **5/20/2025 2:43:02 P**
Prep End Date: **5/21/2025 2:44:57 P**
Technician: **Kelsey Jones**

Prep Factor Units:
mL / mL

Prep Batch ID: **47802** Prep Code: **PREP-5030** Method No: **SW5030**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-47802		Water	40	40	1.000	5/20/2025	5/21/2025
LCS-47802		Water	40	40	1.000	5/20/2025	5/21/2025
LCSD-47802		Water	40	40	1.000	5/20/2025	5/21/2025
2505258-001A	DUP-051225	Water	40	40	1.000	5/20/2025	5/21/2025
2505258-002A	GEI-11-051225	Water	40	40	1.000	5/20/2025	5/21/2025
2505258-002AMS		Water	40	40	1.000	5/20/2025	5/21/2025
2505258-003A	GEI-12-051225	Water	40	40	1.000	5/20/2025	5/21/2025
2505258-004A	GEI-13-051225	Water	40	40	1.000	5/20/2025	5/21/2025

Reporting Checklist

Alliance TECHNICAL GROUP

Analyst: KJ	Workorder(s): 05258
Date: 5/21/25	
Prep #: 47802	
Run(s) #:99913	Analysis: O-VOC-GX-W

Y/N

Y **Run complete? (i.e., all QC, samples, dilutions present)**

Y **All QC within limits?** Exceedances acceptable per QA Manual and/or Auth'd by PM_____?

□CCV out □LCS out □MS out □Blank hits □IS/surr out □RPD out

□Hold time □Other_____

N Any pending dilutions, re-extracts, or reanalysis to be completed in future run?

☐ **Manual entries/narratives reviewed for accuracy? (note below)** Analyst: _____ Reviewer: _____

✔ **Omega checks performed?**

✔ SampID, Test Code, Samp Type, Prep ✔

☐ PMOIST, pH ✔

✔ BLKref, SPKref, RPDref, CCVref ✔

✔ Attachments ✔

☑Sequence ☑Cgrams ☑Bench Sheets ☑Perf Checks ☑Tech Doc

✔ Related Info ✔

☑ICAL Ref ☑ICAL Ack/QA'd? ☑Spiking Info/CCV Std ☐_____

✔ Reporting Checks ✔

☐Dilutions/narr redundancy check (important!) ☐RLs OK (low wt, high pmoist, dilutions)

Notes for Reviewer

By signing, I attest that I have followed the SOP

Kelsey Jones	5/21/25	Savannah Houser	5/21/25
Analyst	Date	Reviewer	Date

Signature: MG

DATA SET for Review - Deliverable Requirements

Total and Dissolved Metals by EPA 6020B

Alliance Technical Group Work Order No. 2505258

GeoEngineers

Project Name: 701/709 South Jackson St.

Project Number: 24504-001-04

This data set contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information
- Internal Standards Report

Batch Log

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\250515ME.b

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
1	5/15/2025 09:58:41	CalBlk	CAL BLANK	1	001CALB.d	Pass		1		ICPMS		1
2	5/15/2025 10:01:55	CalBlk	CAL BLANK	1	002CALB.d	Pass		1		ICPMS		1
3	5/15/2025 10:05:20	CalBlk	CAL BLANK	1	003CALB.d	Pass		1		ICPMS		1
4	5/15/2025 10:08:42	CalBlk	CAL BLANK	1	004CALB.d	Pass		1		ICPMS		1
5	5/15/2025 10:12:05	CalBlk	CAL BLANK	1	005CALB.d	Pass		1		ICPMS		1
6	5/15/2025 10:15:09	<Pause>				Pass				ICPMS		
7	5/15/2025 10:15:54	Sample	trurinse	160	006SMPL.d	Pass		1		ICPMS		
8	5/15/2025 10:19:05	CalBlk	CAL BLANK	1	007CALB.d	Pass		1		ICPMS		1

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
1													
2			100	1	1	100							
3													
4													
5													
6													
7													
8													

#	QC Failed Criteria	QC Failed Elements
1		
2		
3		
4		
5		
6		
7		
8		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
9	5/15/2025 10:22:28	CalBlk	CAL BLANK	1	008CALB.d	Pass		1		ICPMS		1
10	5/15/2025 10:25:49	CalBlk	CAL BLANK	1	009CALB.d	Pass		1		ICPMS		1
11	5/15/2025 10:29:12	CalBlk	CAL BLANK	1	010CALB.d	Pass		1		ICPMS		1
12	5/15/2025 10:32:36	CalBlk	CAL BLANK	1	011CALB.d	Pass		1		ICPMS		1
13	5/15/2025 10:35:58	CalBlk	CAL BLANK	1	012CALB.d	Pass		1		ICPMS		1
14	5/15/2025 10:39:20	CalBlk	CAL BLANK	1	013CALB.d	Pass		1		ICPMS		1
15	5/15/2025 10:42:41	CalBlk	CAL BLANK	1	014CALB.d	Pass		1		ICPMS		1
16	5/15/2025 10:46:05	ICAL 1	STANDARD 1	101	015CAL1.d	Pass		1		ICPMS		2
17	5/15/2025 10:49:28	ICAL 2	STANDARD 2	102	016CAL2.d	Fail	QC check failed.	1		ICPMS		3

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
9													
10													
11													
12													
13													
14													
15													
16													
17													

#	QC Failed Criteria	QC Failed Elements
9		
10		
11		
12		
13		
14		
15		
16		
17	Main Error1 Criteria1	He:Cd

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
18	5/15/2025 10:52:51	ICAL 3	STANDARD 3	103	017CAL3.d	Pass		1		ICPMS		4
19	5/15/2025 10:56:14	ICAL 4	STANDARD 4	104	018CAL4.d	Pass		1		ICPMS		5
20	5/15/2025 10:59:35	ICAL 5	STANDARD 5	5	019CAL5.d	Pass		1		ICPMS		6
21	5/15/2025 11:02:59	ICAL 6	STANDARD 6	106	020CAL6.d	Pass		1		ICPMS		7
22	5/15/2025 11:06:20	ICAL 7	STANDARD 7	107	021CAL7.d	Pass		1		ICPMS		8
23	5/15/2025 11:09:39	Sample	Wash	6	022SMPL.d	Pass		1		ICPMS		
24	5/15/2025 11:12:33	<Pause>				Pass				ICPMS		
25	5/15/2025 12:05:04	Sample	Wash	6	023SMPL.d	Pass		1		ICPMS		
26	5/15/2025 12:08:16	ICB	ICB	1	024_ICB.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
18													
19													
20													
21													
22													
23													
24													
25													
26													

#	QC Failed Criteria	QC Failed Elements
18		
19		
20		
21		
22		
23		
24		
25		
26	Main Error1 Criteria1	No Gas:B

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
27	5/15/2025 12:11:24	ICV	ICV	111	025_ICV.d	Pass		1		ICPMS		
28	5/15/2025 12:14:32	Sample	Wash	6	026SMPL.d	Pass		1		ICPMS		
29	5/15/2025 12:17:40	ICSA	ICSA	112	027ICSA.d	Pass		1		ICPMS		
30	5/15/2025 12:20:31	<Pause>				Pass				ICPMS		
31	5/15/2025 12:17:22	Sample	LDR	110		Skip				ICPMS		
32	5/15/2025 12:26:20	Sample	Wash	6	028SMPL.d	Pass		1		ICPMS		
33	5/15/2025 12:29:14	<Pause>				Pass				ICPMS		
34	5/15/2025 12:58:45	Sample	MB-47731	201	029SMPL.d	Pass		1		ICPMS		
35	5/15/2025 13:01:55	Sample	LCS-47731	202	030SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
27													
28													
29													
30													
31													
32													
33													
34													
35													

#	QC Failed Criteria	QC Failed Elements
27		
28		
29		
30		
31		
32		
33		
34		
35		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
36	5/15/2025 13:04:47	<Pause>				Pass				ICPMS		
37	5/15/2025 13:06:18	Sample	2505221-001A	203	031SMPL.d	Fail	QC check failed.	1		ICPMS		
38	5/15/2025 13:09:31	Sample	2505221-001ADUP	204	032SMPL.d	Fail	QC check failed.	1		ICPMS		
39	5/15/2025 13:12:41	Sample	2505221-001AMS	205	033SMPL.d	Fail	QC check failed.	1		ICPMS		
40	5/15/2025 13:15:33					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
41	5/15/2025 13:15:51	Sample	2505262-001B	206	034SMPL.d	Fail	QC check failed.	1		ICPMS		
42	5/15/2025 13:18:44					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
43	5/15/2025 13:19:02	Sample	2505269-001B	207	035SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
36													
37			10										
38			10										
39			10										
40													
41													
42													
43													

#	QC Failed Criteria	QC Failed Elements
36		
37	Main Error1 Criteria1	He:Na,K
38	Main Error1 Criteria1	He:Na,K
39	Main Error1 Criteria1	He:Na,K
40		
41	Main Error1 Criteria1	He:Mg,Mn,Fe,Ca
42		
43		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
44	5/15/2025 13:21:53					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
45	5/15/2025 13:22:11	CCV	CCV	5	036_CCV.d	Pass		1		ICPMS		
46	5/15/2025 13:25:20	CCB	CCB	1	037_CCB.d	Pass		1		ICPMS		
47	5/15/2025 13:28:29	Sample	2505277-001A	208	038SMPL.d	Fail	QC check failed.	1		ICPMS		
48	5/15/2025 13:31:21					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
49	5/15/2025 13:31:39	Sample	2505280-001B	209	039SMPL.d	Fail	QC check failed.	1		ICPMS		
50	5/15/2025 13:34:31					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
51	5/15/2025 13:34:49	Sample	2505283-001D	210	040SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
44													
45													
46													
47			10										
48													
49													
50													
51													

#	QC Failed Criteria	QC Failed Elements
44		
45		
46		
47	Main Error1 Criteria1	He:Na
48		
49	Main Error1 Criteria1	He:Na,Ca
50		
51	Main Error1 Criteria1	He:Na,Ca

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
52	5/15/2025 13:37:40					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
53	5/15/2025 13:37:58	Sample	2505289-001B	211	041SMPL.d	Fail	QC check failed.	1		ICPMS		
54	5/15/2025 13:40:51					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
55	5/15/2025 13:41:06	Sample	2505289-001BMS	212	042SMPL.d	Fail	QC check failed.	1		ICPMS		
56	5/15/2025 13:44:02					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
57	5/15/2025 13:44:17	Sample	2505086-003A	213	043SMPL.d	Pass		1		ICPMS		
58	5/15/2025 13:47:11					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
59	5/15/2025 13:47:29	CCV	CCV	5	044_CCV.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
52													
53													
54													
55													
56													
57			100										
58													
59													

#	QC Failed Criteria	QC Failed Elements
52		
53	Main Error1 Criteria1	He:Na,Ca
54		
55	Main Error1 Criteria1	He:Na,Ca
56		
57		
58		
59		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
60	5/15/2025 13:50:36	CCB	CCB	1	045_CCB.d	Pass		1		ICPMS		
61	5/15/2025 13:53:48	Sample	MB-47729	214	046SMPL.d	Pass		1		ICPMS		
62	5/15/2025 13:56:41					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
63	5/15/2025 13:56:56	LCS	LCS-47729	215	047_LCS.d	Pass		1		ICPMS		
64	5/15/2025 13:59:51					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
65	5/15/2025 14:00:06	Sample	2505258-001C	216	048SMPL.d	Fail	QC check failed.	1		ICPMS		
66	5/15/2025 14:03:01					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
67	5/15/2025 14:03:19	Sample	2505258-001CMS	217	049SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
60													
61													
62													
63													
64													
65													
66													
67													

#	QC Failed Criteria	QC Failed Elements
60		
61		
62		
63		
64		
65	Main Error1 Criteria1	He:Na,Mg,Ca
66		
67	Main Error1 Criteria1	He:Na,Mg,Ca

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
68	5/15/2025 14:06:11					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
69	5/15/2025 14:06:26	Sample	2505258-001CMSDIL	218	050SMPL.d	Pass		1		ICPMS		
70	5/15/2025 14:09:21					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
71	5/15/2025 14:09:36	Sample	2505258-001CMSD	219	051SMPL.d	Fail	QC check failed.	1		ICPMS		
72	5/15/2025 14:12:31					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
73	5/15/2025 14:12:49	Sample	2505258-001CPDS	220	052SMPL.d	Fail	QC check failed.	1		ICPMS		
74	5/15/2025 14:15:41					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
75	5/15/2025 14:15:56	Sample	2505258-002C	221	053SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
68													
69			5										
70													
71													
72													
73													
74													
75													

#	QC Failed Criteria	QC Failed Elements
68		
69		
70		
71	Main Error1 Criteria1	He:Na,Mg,K,Ca
72		
73	Main Error1 Criteria1	He:Na,Mg,Ca
74		

Batch Log

#	QC Failed Criteria	QC Failed Elements
75	Main Error1 Criteria1	He:Na,Mg,K,Ca

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
76	5/15/2025 14:18:51					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
77	5/15/2025 14:19:06	Sample	2505258-003C	222	054SMPL.d	Fail	QC check failed.	1		ICPMS		
78	5/15/2025 14:22:02					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
79	5/15/2025 14:22:17	Sample	2505258-004C	223	055SMPL.d	Fail	QC check failed.	1		ICPMS		
80	5/15/2025 14:25:12					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
81	5/15/2025 14:25:27	CCV	CCV	5	056_CCV.d	Fail	QC check failed.	1		ICPMS		
82	5/15/2025 14:28:37	CCB	CCB	1	057_CCB.d	Pass		1		ICPMS		
83	5/15/2025 14:31:48	Sample	2505261-001C	224	058SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
76													
77													
78													
79													
80													
81													
82													
83													

#	QC Failed Criteria	QC Failed Elements
76		
77	Main Error1 Criteria1	He:Na,Mg,Ca
78		
79	Main Error1 Criteria1	He:Na,Mg,Ca
80		
81	Main Error1 Criteria1	He:Hg
82		
83	Main Error1 Criteria1	He:Mg

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
84	5/15/2025 14:34:44					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
85	5/15/2025 14:34:59	Sample	2505263-002B	225	059SMPL.d	Fail	QC check failed.	1		ICPMS		
86	5/15/2025 14:37:55					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
87	5/15/2025 14:38:10	Sample	2505263-006B	226	060SMPL.d	Fail	QC check failed.	1		ICPMS		
88	5/15/2025 14:41:06					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
89	5/15/2025 14:41:21	Sample	2505263-007B	227	061SMPL.d	Fail	QC check failed.	1		ICPMS		
90	5/15/2025 14:44:18					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
84													
85													
86													
87													
88													
89													
90													

#	QC Failed Criteria	QC Failed Elements
84		
85	Main Error1 Criteria1	He:Na,Mg,Ca
86		
87	Main Error1 Criteria1	He:Na,Mg,K,Mn,Sr,Ca
88		
89	Main Error1 Criteria1	No Gas:B He:Na,Mg,K,Mn,Fe,Sr,Ca
90		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
91	5/15/2025 14:44:33	Sample	2505263-008B	228	062SMPL.d	Fail	QC check failed.	1		ICPMS		
92	5/15/2025 14:47:29					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
93	5/15/2025 14:47:44	Sample	2505263-009B	229	063SMPL.d	Fail	QC check failed.	1		ICPMS		
94	5/15/2025 14:50:39					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
95	5/15/2025 14:50:54	Sample	2505263-010B	230	064SMPL.d	Fail	QC check failed.	1		ICPMS		
96	5/15/2025 14:53:50					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
97	5/15/2025 14:54:05	Sample	2505279-002C	231	065SMPL.d	Fail	QC check failed.	1		ICPMS		
98	5/15/2025 14:57:01					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
91													
92													
93													
94													
95													
96													
97													
98													

#	QC Failed Criteria	QC Failed Elements
91	Main Error1 Criteria1	No Gas:B He:Na,Mg,Mn,Fe,Ca
92		
93	Main Error1 Criteria1	He:Na,Mg,Mn,Ca
94		
95	Main Error1 Criteria1	He:Na,Mg,Mn,Ca

Batch Log

#	QC Failed Criteria	QC Failed Elements
96		
97	ISTD Criteria1	No Gas:Li
98		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
99	5/15/2025 14:57:16	CCV	CCV	5	066_CCV.d	Pass		1		ICPMS		
100	5/15/2025 15:00:27	CCB	CCB	1	067_CCB.d	Pass		1		ICPMS		
101	5/15/2025 15:03:38	Sample	MB-47728	232	068SMPL.d	Pass		1		ICPMS		
102	5/15/2025 15:06:34					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
103	5/15/2025 15:06:50	LCS	LCS-47728	233	069_LCS.d	Fail	QC check failed.	1		ICPMS		
104	5/15/2025 15:09:46					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
105	5/15/2025 15:10:00	Sample	2505128-004A	234	070SMPL.d	Pass		1		ICPMS		
106	5/15/2025 15:12:58					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
99													
100													
101													
102													
103													
104													
105			10										
106													

#	QC Failed Criteria	QC Failed Elements
99		
100		
101		
102		
103	Main Error1 Criteria1	No Gas:B He:Na,Mg,K,Fe,P,Al,Ca
104		
105		
106		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
107	5/15/2025 15:13:13	Sample	2505128-004AMS	235	071SMPL.d	Pass		1		ICPMS		
108	5/15/2025 15:16:10					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
109	5/15/2025 15:16:25	Sample	2505128-004AMSDIL	236	072SMPL.d	Pass		1		ICPMS		
110	5/15/2025 15:19:21					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
111	5/15/2025 15:19:36	Sample	2505128-004AMSD	237	073SMPL.d	Pass		1		ICPMS		
112	5/15/2025 15:22:32					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
113	5/15/2025 15:22:47	Sample	2505128-004APDS	238	074SMPL.d	Pass		1		ICPMS		
114	5/15/2025 15:25:43					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
107			10										
108													
109			50										
110													
111			10										
112													
113			10										
114													

#	QC Failed Criteria	QC Failed Elements
107		
108		
109		
110		
111		
112		
113		
114		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
115	5/15/2025 15:25:58	Sample	2505128-009A	239	075SMPL.d	Fail	QC check failed.	1		ICPMS		
116	5/15/2025 15:28:55					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
117	5/15/2025 15:29:10	Sample	2505264-001A	240	076SMPL.d	Fail	QC check failed.	1		ICPMS		
118	5/15/2025 15:32:07					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
119	5/15/2025 15:32:22	CCV	CCV	5	077_CCV.d	Pass		1		ICPMS		
120	5/15/2025 15:35:33	CCB	CCB	1	078_CCB.d	Pass		1		ICPMS		
121	5/15/2025 15:38:45	Sample	2505287-001A	241	079SMPL.d	Fail	QC check failed.	1		ICPMS		
122	5/15/2025 15:41:44					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
115													
116													
117													
118													
119													
120													
121													
122													

#	QC Failed Criteria	QC Failed Elements
115	Main Error1 Criteria1	He:Ti,Fe,Pb
116		
117	Main Error1 Criteria1	He:Ti,Fe,Al
118		
119		
120		
121	ISTD Criteria1	No Gas:Sc
122		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
123	5/15/2025 15:41:58	Sample	2505287-002A	242	080SMPL.d	Fail	QC check failed.	1		ICPMS		
124	5/15/2025 15:44:58					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
125	5/15/2025 15:45:12	CCV	CCV	5	081_CCV.d	Fail	QC check failed.	1		ICPMS		
126	5/15/2025 15:48:24	CCB	CCB	1	082_CCB.d	Pass		1		ICPMS		
127	5/15/2025 15:51:37	Sample	MB-47730	243	083SMPL.d	Pass		1		ICPMS		
128	5/15/2025 15:54:34					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
129	5/15/2025 15:54:49	LCS	LCS-47730	244	084_LCS.d	Pass		1		ICPMS		
130	5/15/2025 15:57:46					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
123													
124													
125													
126													
127													
128													
129													
130													

#	QC Failed Criteria	QC Failed Elements
123	ISTD Criteria1	No Gas:Sc
124		
125	Main Error1 Criteria1	He:Hg
126		
127		
128		
129		
130		

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
131	5/15/2025 15:58:01	Sample	2505258-001D	245	085SMPL.d	Fail	QC check failed.	1		ICPMS		
132	5/15/2025 16:00:58					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
133	5/15/2025 16:01:13	Sample	2505258-001DMS	246	086SMPL.d	Fail	QC check failed.	1		ICPMS		
134	5/15/2025 16:04:10					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
135	5/15/2025 16:04:25	Sample	2505258-001DMSDIL	247	087SMPL.d	Fail	QC check failed.	1		ICPMS		
136	5/15/2025 16:07:22					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
137	5/15/2025 16:07:37	Sample	2505258-001DMSD	248	088SMPL.d	Fail	QC check failed.	1		ICPMS		
138	5/15/2025 16:10:34					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
131													
132													
133													
134													
135			5										
136													
137													
138													

#	QC Failed Criteria	QC Failed Elements
131	Main Error1 Criteria1	He:Na,Mg,Ca
132		
133	ISTD Criteria1	No Gas:Li
134		
135	ISTD Criteria1	No Gas:Li He:Bi
136		

Batch Log

#	QC Failed Criteria	QC Failed Elements
137	ISTD Criteria1	No Gas:Li He:Bi
138		

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
139	5/15/2025 16:10:49	Sample	2505258-002D	249	089SMPL.d	Fail	QC check failed.	1		ICPMS		
140	5/15/2025 16:13:47					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
141	5/15/2025 16:14:02	Sample	2505258-003D	250	090SMPL.d	Fail	QC check failed.	1		ICPMS		
142	5/15/2025 16:16:59					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
143	5/15/2025 16:17:14	Sample	2505258-004D	251	091SMPL.d	Fail	QC check failed.	1		ICPMS		
144	5/15/2025 16:20:11					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
145	5/15/2025 16:20:26	Sample	2505279-002D	252	092SMPL.d	Fail	QC check failed.	1		ICPMS		
146	5/15/2025 16:23:24					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
139													
140													
141													
142													
143													
144													
145													
146													

#	QC Failed Criteria	QC Failed Elements
139	ISTD Criteria1	No Gas:Li He:Bi
140		

Batch Log

#	QC Failed Criteria	QC Failed Elements
141	ISTD Criteria1	No Gas:Li He:Bi
142		
143	ISTD Criteria1	No Gas:Li He:Bi
144		
145	ISTD Criteria1	No Gas:Li He:Bi
146		

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
147	5/15/2025 16:23:39	CCV	CCV	5	093_CCV.d	Fail	QC check failed.	1		ICPMS		
148	5/15/2025 16:26:52	CCB	CCB	1	094_CCB.d	Fail	QC check failed.	1		ICPMS		
149	5/15/2025 16:29:49	<Pause>				Pass				ICPMS		
150	5/15/2025 16:39:10	Sample	2505221-001A	253	095SMPL.d	Fail	QC check failed.	1		ICPMS		
151	5/15/2025 16:42:10					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
152	5/15/2025 16:42:25	Sample	2505277-001A	254	096SMPL.d	Fail	QC check failed.	1		ICPMS		
153	5/15/2025 16:45:25					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
154	5/15/2025 16:45:40	Sample	wash	6	097SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
147													
148													
149													
150													
151													
152													
153													
154													

Batch Log

#	QC Failed Criteria	QC Failed Elements
147	ISTD Criteria1	No Gas:Li He:Bi
148	ISTD Criteria1	No Gas:Li
149		
150	ISTD Criteria1	No Gas:Li
151		
152	ISTD Criteria1	No Gas:Li
153		
154	ISTD Criteria1	No Gas:Li,Sc

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
155	5/15/2025 16:48:38					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
156	5/15/2025 16:48:53	CCV	CCV	5	098_CCV.d	Fail	QC check failed.	1		ICPMS		
157	5/15/2025 16:52:05	CCB	CCB	1	099_CCB.d	Fail	QC check failed.	1		ICPMS		
158	5/15/2025 16:55:19	Sample	LDR	110	100SMPL.d	Fail	QC check failed.	1		ICPMS		
159	5/15/2025 16:58:18					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
160	5/15/2025 16:58:34	Sample	trurinse	160	101SMPL.d	Fail	QC check failed.	1		ICPMS		
161	5/15/2025 17:01:32					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
162	5/15/2025 17:01:46	Sample	wash	6	102SMPL.d	Fail	QC check failed.	1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
155													
156													
157													
158													
159													
160													
161													

Batch Log

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
162													

#	QC Failed Criteria	QC Failed Elements
155		
156	ISTD Criteria1	No Gas:Li
157	ISTD Criteria1	No Gas:Li
158	ISTD Criteria1	No Gas:Li
159		
160	ISTD Criteria1	No Gas:Li He:Bi
161		
162	ISTD Criteria1	He:Bi

Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
163	5/15/2025 17:04:45					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
164	5/15/2025 17:05:00	Sample	wash	6	103SMPL.d	Pass		1		ICPMS		
165	5/15/2025 17:07:58					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
166	5/15/2025 17:08:13	Sample	wash	6	104SMPL.d	Pass		1		ICPMS		
167	5/15/2025 17:11:11					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
168	5/15/2025 17:11:26	Sample	wash	6	105SMPL.d	Pass		1		ICPMS		
169	5/15/2025 17:14:24					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
170	5/15/2025 17:14:39	Sample	wash	6	106SMPL.d	Pass		1		ICPMS		

#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
163													
164													
165													
166													
167													
168													
169													
170													

#	QC Failed Criteria	QC Failed Elements
163		
164		
165		
166		
167		
168		
169		
170		

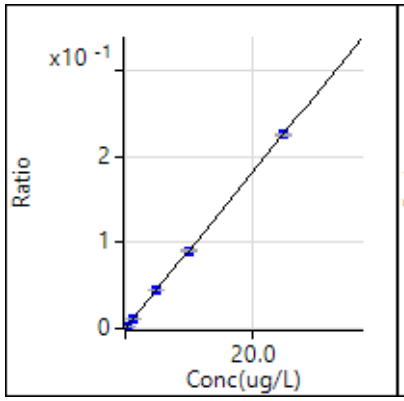
Batch Log

#	Acq. Date-Time	Sample Type	Sample Name	Vial#	File Name	Acquisition Result	Error Message	Dilution Result	Comment	Operator	Replicates	Level
171	5/15/2025 17:17:38					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		
172	5/15/2025 17:17:53	Sample	wash	6	107SMPL.d	Pass		1		ICPMS		
173	5/15/2025 17:20:52					Error	There are no sample lines in sample group 'Check Samples 1'.			ICPMS		

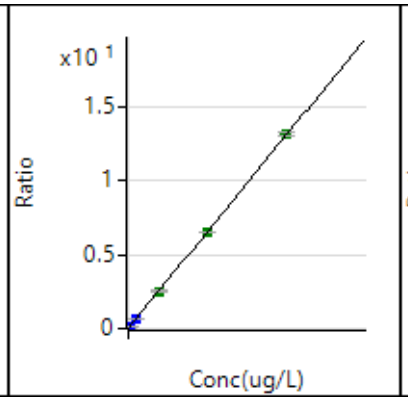
#	ISTD Conc	Autodilution	Total Dil.	Final Weight or Volume	Sample Weight or Volume	prepFAST Dilution	Sublist	Total Acq Time	Max. Daily Dose	%J	User Def. 1	User Def. 2	User Def. 3
171													
172													
173													

#	QC Failed Criteria	QC Failed Elements
171		
172		
173		

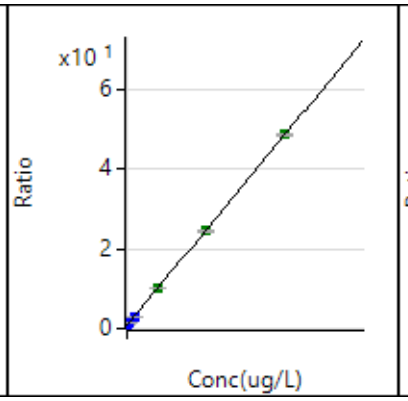
Calibration



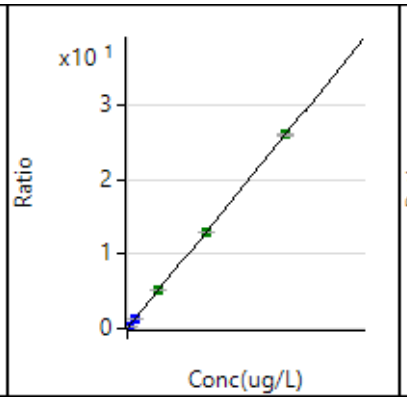
9 Be [No Gas]
ISTD: 6 Li
y = 9.027E-3 x + 6.278E-5
R 1.0000
DL 0.0004929
BEC 0.006954



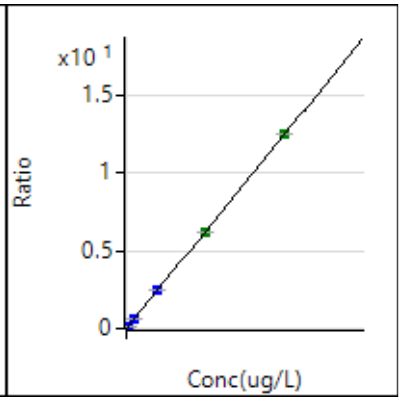
11 B [No Gas]
ISTD: 6 Li
y = 5.221E-3 x + 1.849E-2
R 1.0000
DL 0.2894
BEC 3.543



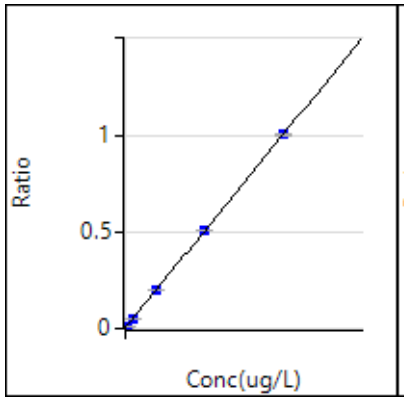
23 Na [He]
ISTD: 45 Sc
y = 9.527E-3 x + 7.847E-1
R 1.0000
DL 3.267
BEC 82.36



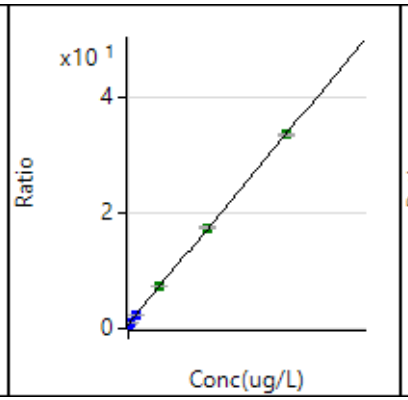
24 Mg [He]
ISTD: 45 Sc
y = 5.200E-3 x + 2.053E-3
R 1.0000
DL 0.09434
BEC 0.3948



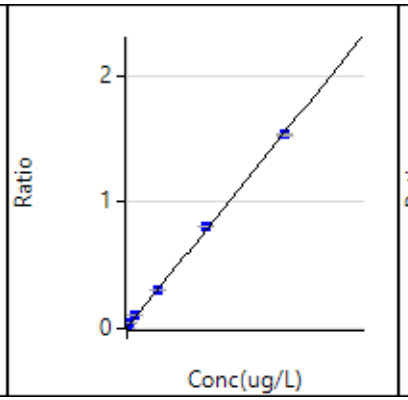
27 Al [He]
ISTD: 45 Sc
y = 2.488E-3 x + 7.244E-4
R 1.0000
DL 0.03307
BEC 0.2912



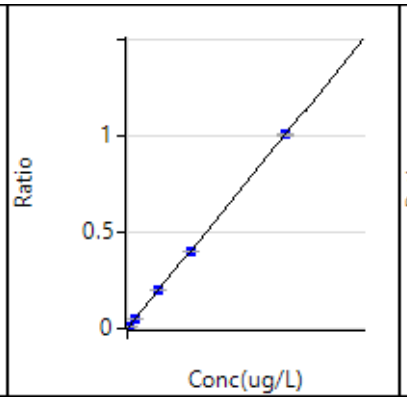
31 P [He]
ISTD: 45 Sc
y = 1.997E-4 x + 3.577E-3
R 1.0000
DL 3.573
BEC 17.91



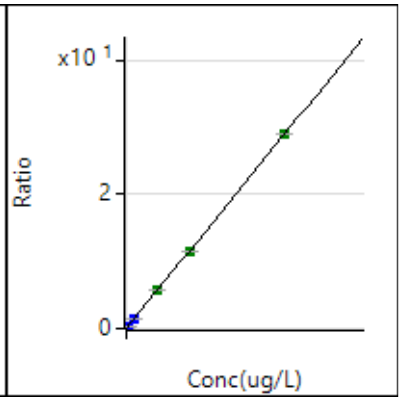
39 K [He]
ISTD: 45 Sc
y = 6.594E-3 x + 7.571E-1
R 1.0000
DL 28.17
BEC 114.8



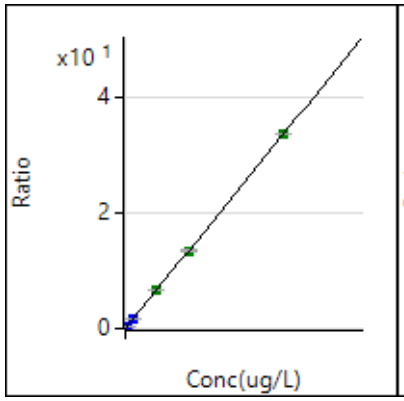
44 Ca [He]
ISTD: 45 Sc
y = 3.086E-4 x + 4.025E-3
R 0.9995
DL 1.624
BEC 13.04



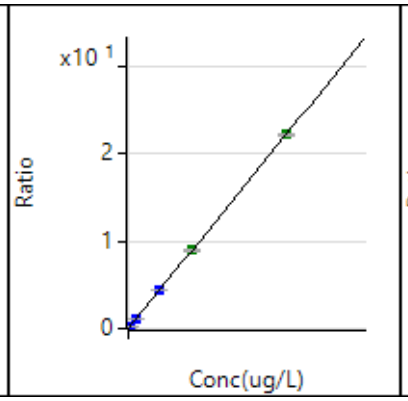
47 Ti [He]
ISTD: 45 Sc
y = 2.013E-3 x + 2.237E-5
R 1.0000
DL 0.008501
BEC 0.01111



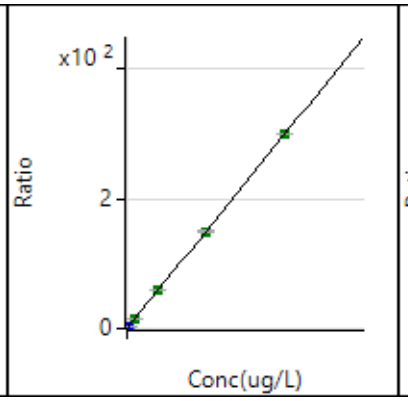
51 V [He]
ISTD: 45 Sc
y = 5.776E-2 x + 1.325E-2
R 1.0000
DL 0.01075
BEC 0.2294



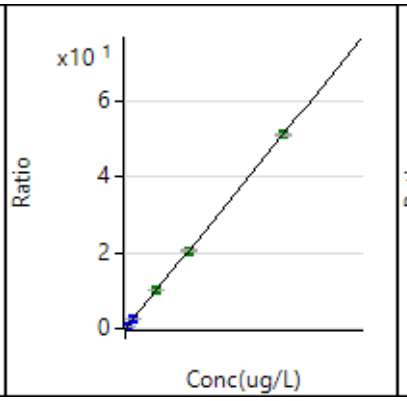
52 Cr [He]
ISTD: 45 Sc
y = 6.723E-2 x + 6.780E-3
R 1.0000
DL 0.01293
BEC 0.1008



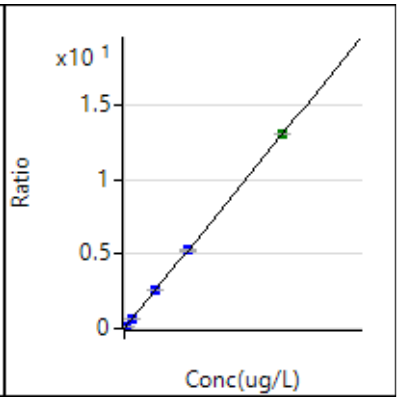
55 Mn [He]
ISTD: 45 Sc
y = 4.436E-2 x + 1.419E-3
R 1.0000
DL 0.00671
BEC 0.032



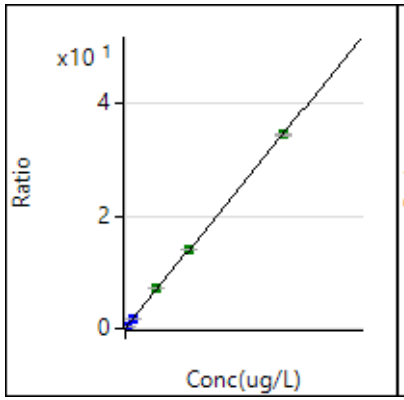
56 Fe [He]
ISTD: 45 Sc
y = 5.974E-2 x + 9.112E-2
R 1.0000
DL 0.06742
BEC 1.525



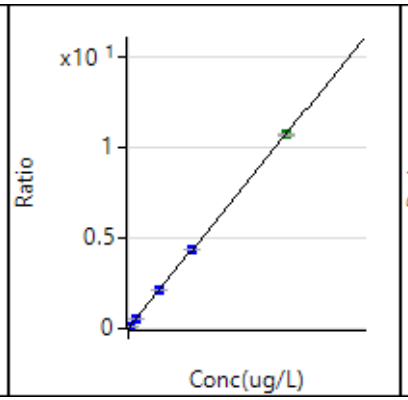
59 Co [He]
ISTD: 45 Sc
y = 1.021E-1 x + 7.118E-4
R 1.0000
DL 0.002644
BEC 0.00697



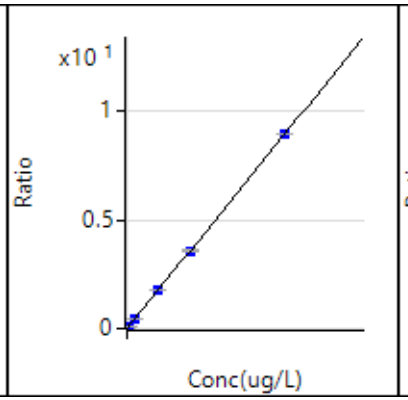
60 Ni [He]
ISTD: 45 Sc
y = 2.612E-2 x + 7.744E-4
R 1.0000
DL 0.01135
BEC 0.02965



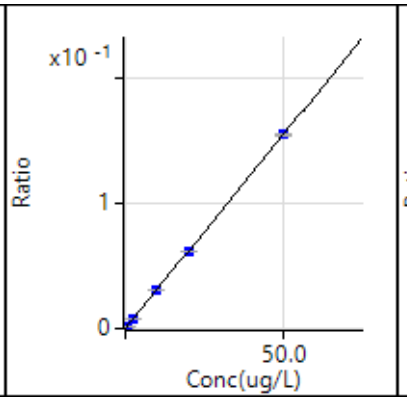
63 Cu [He]
ISTD: 45 Sc
y = 6.898E-2 x + 3.117E-2
R 1.0000
DL 0.03966
BEC 0.4519



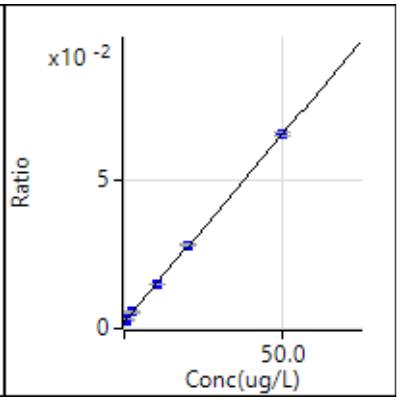
66 Zn [He]
ISTD: 72 Ge
y = 2.144E-2 x + 3.037E-3
R 1.0000
DL 0.04137
BEC 0.1416



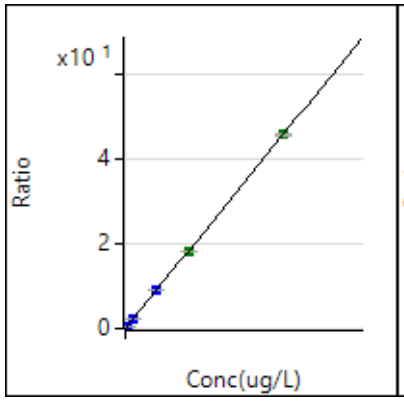
75 As [He]
ISTD: 72 Ge
y = 1.787E-2 x + 1.992E-3
R 1.0000
DL 0.01254
BEC 0.1115



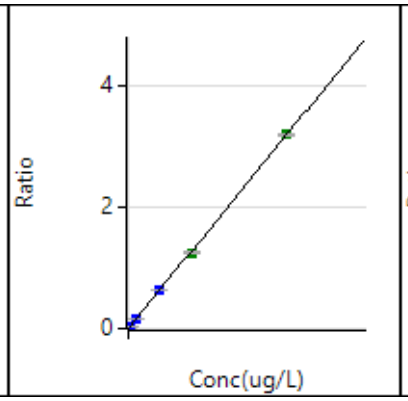
78 Se [H2]
ISTD: 72 Ge
y = 3.096E-3 x + 4.535E-5
R 1.0000
DL 0.006731
BEC 0.01465



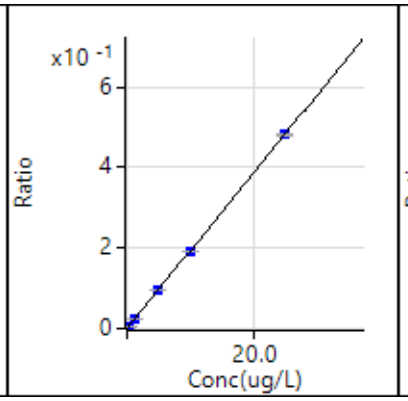
78 Se [He]
ISTD: 72 Ge
y = 1.257E-3 x + 2.527E-3
R 1.0000
DL 0.157
BEC 2.011



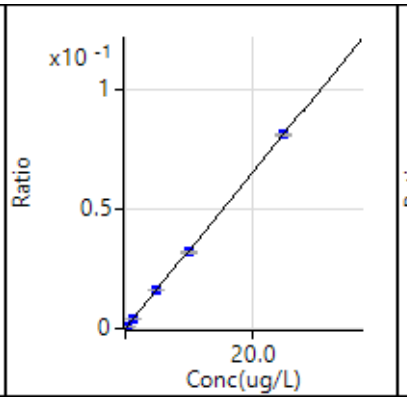
88 Sr [He]
ISTD: 72 Ge
y = 9.121E-2 x + 1.192E-3
R 1.0000
DL 0.004762
BEC 0.01307



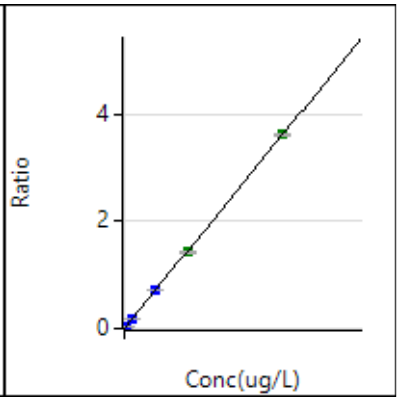
95 Mo [He]
ISTD: 115 In
y = 6.382E-3 x + 8.339E-6
R 1.0000
DL 0.002256
BEC 0.001307



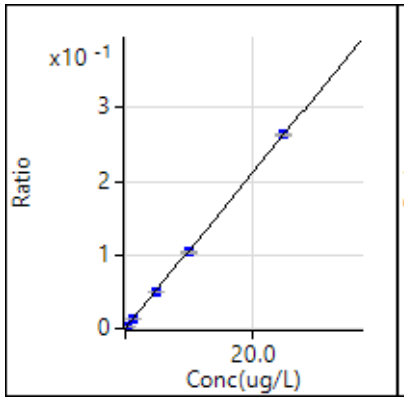
107 Ag [He]
ISTD: 115 In
y = 1.924E-2 x + 1.572E-4
R 1.0000
DL 0.004788
BEC 0.008169



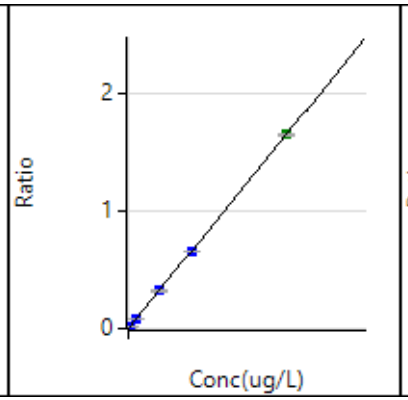
111 Cd [He]
ISTD: 115 In
y = 3.243E-3 x - 2.181E-5
R 1.0000
DL 0.01416
BEC -0.006726



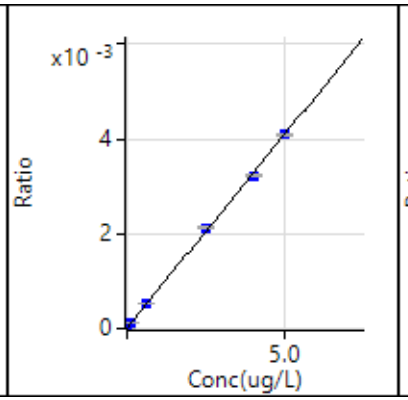
118 Sn [He]
ISTD: 115 In
y = 7.229E-3 x + 1.111E-4
R 1.0000
DL 0.005971
BEC 0.01537



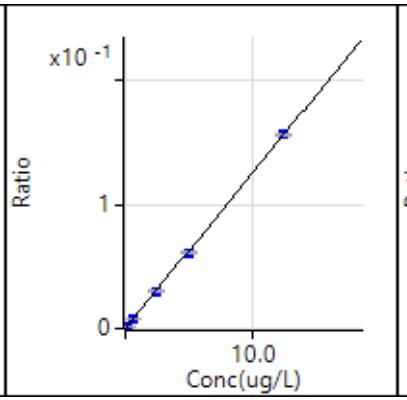
121 Sb [He]
ISTD: 115 In
y = 1.049E-2 x + 1.994E-4
R 1.0000
DL 0.004979
BEC 0.01901



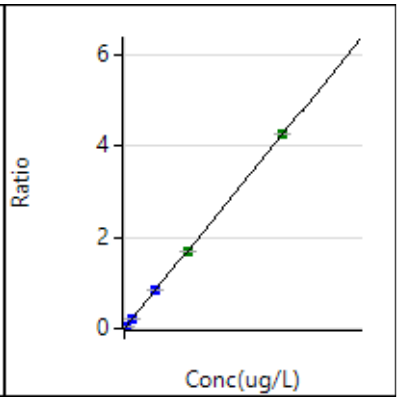
137 Ba [He]
ISTD: 115 In
y = 3.289E-3 x + 6.815E-6
R 1.0000
DL 0.002118
BEC 0.002072



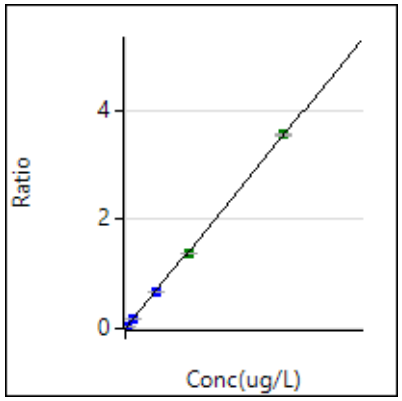
201 Hg [He]
ISTD: 159 Tb
y = 8.166E-4 x + 9.841E-6
R 0.9998
DL 0.004915
BEC 0.01205



205 Tl [He]
ISTD: 159 Tb
y = 1.248E-2 x + 7.300E-6
R 1.0000
DL 0.0006558
BEC 0.0005848



208 Pb [He]
ISTD: 159 Tb
y = 1.693E-2 x + 2.290E-4
R 1.0000
DL 0.002823
BEC 0.01353



238 U [He]

ISTD: 159 Tb

y = 7.054E-3 x + 5.576E-6

R	0.9999
DL	0.00177
BEC	0.0007904

Tunes

US EPA Tune Check Report

Operator Name	ICPMS
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\250515ME.b
Acq. Date-Time	5/15/2025 09:50:10
Report Comment	---
Instrument Name	G8422A SG22151236

[No Gas]

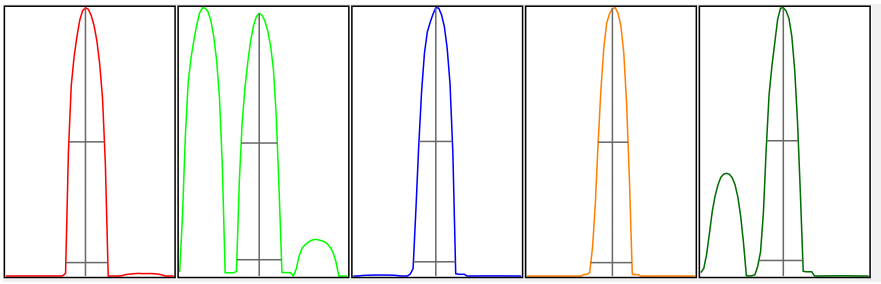
Sensitivity

Mass	Conc. [ug/L]	Count	CPS	RSD%	RSD% (Required)	RSD% (Flag)
9	10.00	13409	134090.53	0.696	5.000	
24	10.00	61325	613252.91	0.554	5.000	
59	10.00	149062	1490615.33	0.512	5.000	
115	10.00	181430	1814298.53	0.388	5.000	
208	10.00	72842	728415.62	0.558	5.000	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	13479	13279	13363	13513	13412
24	61103	61119	61894	61122	61388
59	149835	148726	147989	149011	149746
115	182375	181207	181947	180845	180774
208	72682	72367	72985	72721	73453

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	22825.04	8.95	8.90 - 9.10	
24	101715.01	23.95	23.90 - 24.10	
59	264762.69	59.00	58.90 - 59.10	
115	353247.26	115.05	114.90 - 115.10	
208	135331.88	208.00	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.63	0.740	0.900	
24	0.64	0.786	0.900	
59	0.59	0.739	0.900	
115	0.53	0.724	0.900	
208	0.56	0.774	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	157.399999999999
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.09 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.0 V	Deflect	12.8 V
Extract 2	-185.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-95 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9991	QP Bias	-3.0 V
Mass Offset	125	Axis Offset	0.05		

Hardware Settings

Torch

Torch H	0.4 mm	Torch V	0.1 mm

EM

Discriminator	3.2 mV	Analog HV	2221 V	Pulse HV	1801 V

[H2]

Sensitivity

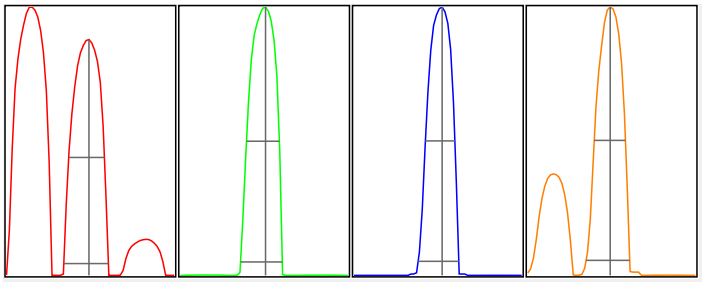
Mass	Conc. [ug/L]	Count	CPS	RSD%	RSD% (Required)	RSD% (Flag)
24	10.00	10697	106966.37	1.321	5.000	
59	10.00	21872	218723.95	1.751	5.000	
115	10.00	233240	2332396.34	1.597	5.000	
208	10.00	112298	1122982.61	0.778	5.000	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
24	10505	10595	10749	10790	10843
59	21392	21635	22020	21916	22398
115	228268	230376	234984	235592	236979
208	111070	112452	112248	112197	113526

Integration Time [sec]	0.1

Resolution/Axis

US EPA Tune Check Report



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
24	17961.85	24.00	23.90 - 24.10	
59	39411.11	59.05	58.90 - 59.10	
115	461015.20	115.10	114.90 - 115.10	
208	210966.42	208.00	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
24	0.63	0.785	0.900	
59	0.58	0.735	0.900	
115	0.52	0.715	0.900	
208	0.55	0.768	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	125.92
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.09 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	7.5 V	Deflect	0.6 V
Extract 2	-200.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-100 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	3.0 V
He Flow	0.0 mL/min	OctP Bias	-18.0 V		
H2 Flow	5.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9991	QP Bias	-15.0 V
Mass Offset	125	Axis Offset	0.05		

Hardware Settings

Torch

Torch H	0.4 mm	Torch V	0.1 mm		

EM

Discriminator	3.2 mV	Analog HV	2221 V	Pulse HV	1801 V

US EPA Tune Check Report

[He]

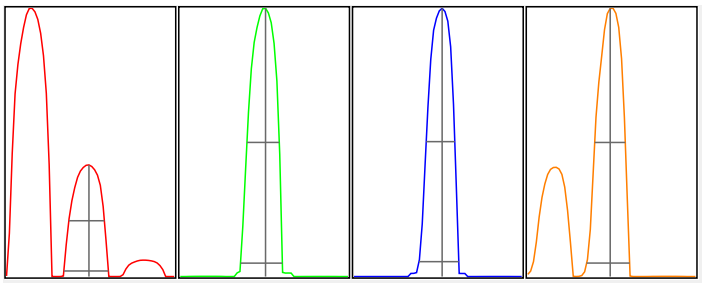
Sensitivity

Mass	Conc. [ug/L]	Count	CPS	RSD%	RSD% (Required)	RSD% (Flag)
24	10.00	4299	42987.43	1.120	5.000	
59	10.00	73655	736546.30	1.122	5.000	
115	10.00	84045	840452.85	0.418	5.000	
208	10.00	52619	526187.25	0.459	5.000	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
24	4380	4257	4292	4296	4270
59	74349	72225	73916	73785	73999
115	84408	84000	84365	83891	83562
208	52873	52259	52641	52527	52793

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
24	7245.74	24.00	23.90 - 24.10	
59	134178.64	59.05	58.90 - 59.10	
115	169464.18	115.10	114.90 - 115.10	
208	101443.42	208.00	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
24	0.62	0.784	0.900	
59	0.57	0.737	0.900	
115	0.50	0.701	0.900	
208	0.54	0.756	0.900	

Integration Time [sec] 0.1
Acquisition Time [sec] 125.92
Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.09 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.1 V	Deflect	-0.6 V

US EPA Tune Check Report

Extract 2	-200.0 V	Cell Entrance	-40 V	Plate Bias	-55 V
Omega Bias	-95 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	3.0 V
He Flow	4.3 mL/min	OctP Bias	-18.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9991	QP Bias	-15.0 V
Mass Offset	125	Axis Offset	0.05		

Hardware Settings

Torch

Torch H	0.4 mm	Torch V	0.1 mm

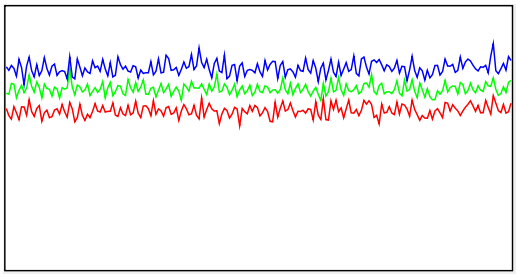
EM

Discriminator	3.2 mV	Analog HV	2221 V	Pulse HV	1801 V

Performance Report

Operator Name	ICPMS
Acq. Date-Time	5/15/2025 09:31:46
Instrument Name	G8422A SG22151236
Sample Introduction	PeriPump
Nebulizer Type	MicroMist
Ion Lens Model	x-Lens
Tune Parameters	Standard Tune

Sensitivity



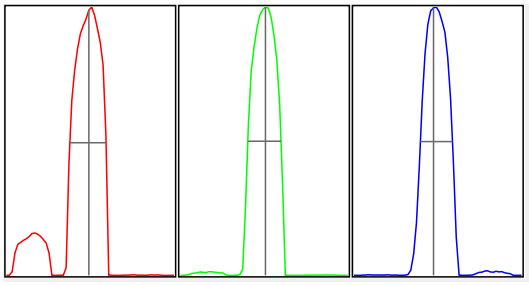
Mass	Range	Count	RSD%	Background
7	5000	3023	3.691	1.800
89	20000	13755	2.997	1.300
205	10000	7679	3.345	6.600

Sampling Period [sec]	0.311
Integration Time [sec]	0.1

Oxide/Doubly Charged Ratio

Oxide	156 / 140 0.963 %
Doubly Charged	70 / 140 1.438 %

Resolution/Axis



Mass	Peak Height	Axis	W-50%	W-10%
7	3088.44	7.00	0.64	0.73
89	13889.44	89.05	0.58	0.72
205	7660.48	204.95	0.56	0.76

Integration Time [sec]	0.1
Acquisition Time [sec]	22.74

Tune Parameters

Plasma Parameters

RF Power	1550 W	Option Gas	---	Makeup Gas	0.00 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Auxiliary Gas	0.90 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C	Plasma Gas	15.0 L/min
Nebulizer Gas	1.09 L/min				

Lens Parameters

Extract 1	0.0 V	Omega Lens	7.8 V	Deflect	13.0 V
Extract 2	-200.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-80 V	Cell Exit	-50 V		

Performance Report

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

QP Bias	-3.0 V

Hardware Settings

Torch

Torch H	0.4 mm	Torch H (Hot)	---	Torch H (Cool)	---
Torch V	0.1 mm	Torch V (Hot)	---	Torch V (Cool)	---

Plasma Correction

Nebulizer Gas Offset	0.04 L/min	Makeup Gas (Hot)	---	Makeup Gas (Cool)	---
		Sample Depth (Hot)	---		

Resolution/Axis

Mass Gain	123	Axis Gain	0.9991		
Mass Offset	125	Axis Offset	0.05		

EM

Discriminator	3.2 mV	Analog HV	2221 V	Pulse HV	1801 V

Performance Report

Meter

Name	Value	Unit
Nebulizer Gas	1.09	L/min
MU./Dil. Gas	0.00	L/min
Plasma Gas	14.98	L/min
Aux Gas	0.90	L/min
Ar Gas Tank Press	5.54E+2	kPa
+5V (Press Gage)	5.0	V
Ar AMFC Temp	29.0	°C
Nebulizer Gas(DP)	6.30E+0	kPa
MU./Dil. Gas(DP)	-2.16E-1	kPa
Aux Gas(DP)	1.07E+1	kPa
Plasma Gas(DP)	1.16E+1	kPa
Nebulizer Gas(BP)	2.66E+2	kPa
MU./Dil. Gas(BP)	0.00E+0	kPa
Aux Gas(BP)	5.93E+1	kPa
Plasma Gas(BP)	4.30E+1	kPa
S/C Temp (H)	21.1	°C
S/C Temp (L)	2.0	°C
Peltier Voltage	3.6	V
IF/BK Press	2.51E+2	Pa
Analyzer Press	5.90E-5	Pa
IG HV	178	V
IG Emission	4.97	µA
TMP Revolution	100.0	%
TMP Rev (Raw)	100.7	%
TMP Current	2.68	A
PWR AMP Drain I	0.4	A
PWR AMP Bias	4.02	V
OctP RF (Avg)	202.9	V
OctP RF Set	3.9	V
OctP FET Bias Set	3.95	V
OctP RF(+)	178.1	V
OctP RF(-)	226.4	V
OctP Bias	-7.9	V
Cell Temp.	65.0	°C
Cell Heater Volt.	4.2	V
+U Voltage	177.3	V

Name	Value	Unit
-U Voltage	-183.2	V
V Voltage	787.5	V
QPRF Fader	1.3	V
Pickup Temp	55.0	°C
PWR Amp Temp	0.1	V
+600V	620.2	V
-120V	-133.1	V
-720V	-741.4	V
Prefilter Bias	-4.98	V
Pickup Heater I	0.09	A
QP PS +48V	47.5	V
QP PS +48V I	0.00	A
Analog HV	-2222	V
Pulse HV	1811	V
EM Gate	-40.3	V
Pulse Gate	382.1	V
EM Entrance	0.1	V
EM HV Gain	-845.0	V
Inner Pole	-300.0	V
Outer Pole	19.9	V
Analog -5V	-5.1	V
Analog +15V	14.5	V
Analog -15V	-14.4	V
Analog +5V	5.2	V
Shunt C Pos	1.5	V
Drain Volt.(max)	60.7	V
RF PS +48V	47.3	V
Forward Power	1550	W
Reflected Power	3	W
Plasma Freq.	27.08	MHz
Drain I 1	11.65	A
Drain I 2	10.53	A
Drain I 3	10.89	A
Drain I 4	11.48	A
Temp Sensor	2.8	V
Driver I	6.21	A

Name	Value	Unit
Igniter	0.0	V
Driver Voltage Set	6.9	V
Unbalance Current	0.34	A
PWM Threshold Set	0.2	V
Driver Voltage	5.6	V
PWM Threshold	0.2	V
Phase Detector	0.0	mV
H2 Gas	0.00	mL/min
He Gas	0.11	mL/min
H2 Gas Press	1.71E+2	kPa
He Gas Press	0.00E+0	kPa
ORS AMFC Temp	29.9	°C
Atmospheric Press	1.02E+2	kPa
Extract 1	0.0	V
Extract 2	-200.0	V
Omega Bias	-79.9	V
Omega Lens	8.0	V
Cell Entrance	-30.0	V
Cell Exit	-50.0	V
Deflect	13.1	V
Plate Bias	-35.0	V
HV+530V	530	V
HV+240V	238	V
HV-360V	-360	V
Inlet Temp	25.6	°C
Internal Temp	32.7	°C
+24V	23.7	V
Water Temp	22.9	°C
Water RF/WC/IF	1.49	L/min
AVS Pump Speed	0.0	%
Valve Position		
Tune/ISTD Valve		

Performance Report History

Sensitivity

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
5/15/2025 09:31:46	3023	13755	7679
5/14/2025 09:06:50	3167	13809	8603
5/13/2025 09:36:14	3399	13650	6182
5/13/2025 09:30:51	2927	11070	4929
5/13/2025 09:25:57	2848	11212	4909
5/12/2025 09:03:04	3237	11587	6017
5/9/2025 09:26:54	2833	13754	6487
5/8/2025 09:05:47	3724	13703	6409
5/7/2025 11:37:29	3661	13527	8827
5/7/2025 09:39:52	3250	10003	6689
5/7/2025 09:19:05	2808	8535	5506
5/7/2025 09:09:48	2885	8930	5543
5/6/2025 08:43:43	4183	10140	6973
5/5/2025 09:20:07	4155	14223	8867
5/5/2025 09:14:51	4212	14583	9131
5/2/2025 08:57:59	5009	14004	8188
5/1/2025 12:36:57	4774	13906	7538
5/1/2025 09:14:21	3948	14319	8540
4/30/2025 09:02:04	4369	13888	8546
4/29/2025 10:07:50	5391	13442	8298
4/29/2025 09:52:25	1470	3975	2359
4/29/2025 09:45:51	780	1947	1175
4/28/2025 09:08:18	3622	14531	8177
4/25/2025 09:08:03	3677	14732	8146
4/24/2025 10:56:02	3594	14740	7341
4/24/2025 09:11:17	3677	14787	7128
4/23/2025 09:08:22	3799	14169	7123
4/22/2025 08:59:32	3302	14715	7083
4/21/2025 09:23:13	3835	14527	6762
4/21/2025 08:46:47	136	2	3
4/18/2025 09:04:01	3294	14575	6840
4/17/2025 09:05:25	3349	14653	9621
4/16/2025 08:44:21	3735	13222	7584
4/15/2025 08:11:34	3650	13748	7778
4/14/2025 09:02:31	3348	13789	9237
4/11/2025 09:30:06	3313	11582	8026
4/11/2025 09:14:04	3629	10679	5933
4/11/2025 09:09:32	3598	10951	5938
4/10/2025 11:04:39	2964	10021	6138
4/10/2025 10:55:23	1227	4264	2369
4/10/2025 09:14:56	2685	11606	6751

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
4/9/2025 07:26:27	2851	13096	7097
4/8/2025 09:15:27	2525	13663	8059
4/7/2025 08:14:25	2714	13384	7436
4/4/2025 10:20:02	3228	13707	9207
4/4/2025 07:19:40	3252	11787	8045
4/3/2025 09:18:00	3556	12192	7871
4/2/2025 08:33:12	3523	11064	6962
4/1/2025 08:53:08	3236	10638	6589
3/31/2025 09:21:05	2702	9127	6157
3/28/2025 07:55:38	4145	13015	9348
3/27/2025 10:27:19	3979	12515	9126
3/27/2025 08:53:37	2583	10666	6349
3/26/2025 09:24:07	2916	11440	6198
3/26/2025 08:18:43	2538	10998	5768
3/25/2025 08:30:57	3061	11606	6860
3/25/2025 08:05:04	2570	9524	5434
3/24/2025 08:31:10	2713	13463	8533
3/21/2025 13:13:03	3052	12325	8863
3/21/2025 12:18:37	1414	7359	3831
3/21/2025 10:25:39	890	4739	2679
3/21/2025 10:10:55	1297	6494	3783
3/21/2025 09:13:59	1144	5738	2353
3/21/2025 09:06:40	1212	6125	2533
3/21/2025 08:55:34	148	2	1
3/21/2025 08:32:15	1569	8255	3876
3/20/2025 07:54:04	3432	13218	8453
3/19/2025 10:24:55	4544	15177	7680
3/18/2025 08:52:25	5291	14622	10988
3/17/2025 09:15:37	4079	16388	10970
3/14/2025 08:44:33	4074	14791	9454
3/13/2025 09:07:05	3515	15551	8913
3/12/2025 09:32:24	3059	13065	7276
3/11/2025 09:35:46	3096	16489	8738
3/11/2025 09:28:10	2036	11311	5876
3/11/2025 09:23:27	2023	11604	5892
3/10/2025 09:21:42	3079	13598	8902
3/7/2025 10:49:58	3953	15356	10205
3/7/2025 09:25:42	3390	17218	9589
3/6/2025 08:47:21	4260	16440	11010
3/5/2025 11:49:15	4495	18265	11553
3/5/2025 11:37:32	4233	19033	11277

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
3/5/2025 11:27:25	4580	19115	11787
3/5/2025 09:11:59	3584	17293	11024
3/4/2025 09:46:13	3523	12541	10546
3/3/2025 09:10:03	4988	19041	11807
2/28/2025 12:48:47	3881	19390	11277
2/28/2025 09:32:09	3105	15065	8669
2/27/2025 09:27:48	3748	15011	8059
2/27/2025 08:44:03	3802	15226	7751
2/26/2025 09:05:54	3008	15228	10034
2/25/2025 09:32:16	2979	15752	8062
2/24/2025 08:59:48	2574	14585	7989
2/21/2025 09:28:39	3370	14882	7104
2/21/2025 09:20:37	3168	14132	5587
2/20/2025 12:51:01	3707	16019	7670
2/20/2025 09:19:24	2397	8615	8442
2/19/2025 09:22:52	2429	8457	8477
2/19/2025 09:04:54	1905	6435	6230
2/18/2025 09:15:33	2891	10659	10823
2/17/2025 09:55:54	2831	9719	9101
2/14/2025 09:06:42	2957	11480	11195
2/13/2025 09:06:19	3173	11579	10776
2/12/2025 09:11:47	2839	10719	10356
2/11/2025 09:24:44	3245	11165	9838
2/10/2025 09:25:20	2663	9070	8305
2/7/2025 09:21:57	2808	9379	7942
2/6/2025 13:15:34	3185	11388	7991
2/6/2025 09:18:48	2835	10422	7999
2/5/2025 10:18:25	2957	9726	6871
2/5/2025 09:31:26	3115	11951	8942
2/4/2025 09:10:01	3834	13795	10479
2/3/2025 10:57:55	3472	11525	11024
2/3/2025 09:46:21	3702	12486	12677
1/31/2025 13:24:01	3352	12178	10716
1/31/2025 12:15:33	2777	10133	6940
1/31/2025 11:41:22	2418	10017	7203
1/31/2025 11:25:27	1893	8284	5243
1/31/2025 10:55:25	2824	9569	5641
1/31/2025 08:50:57	3593	13352	9584
1/30/2025 09:05:36	3151	12437	9046
1/30/2025 08:35:38	1729	6076	4157
1/30/2025 08:04:37	1740	5479	3642

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/29/2025 10:06:45	3695	12409	8334
1/28/2025 09:55:51	3425	11819	7457
1/27/2025 08:25:00	3174	14160	11025
1/24/2025 10:20:31	3093	11428	8349
1/23/2025 08:29:42	3414	12719	11830
1/22/2025 08:50:52	3711	14077	11285
1/21/2025 08:39:26	3861	14387	10646
1/20/2025 09:29:22	4249	15439	12508
1/17/2025 09:22:21	3835	13197	11299
1/16/2025 09:06:18	4139	13519	11200
1/15/2025 10:11:23	3341	11320	10843
1/14/2025 08:44:58	2790	11557	10104
1/13/2025 08:22:52	3002	11793	9856
1/10/2025 08:58:48	2349	9875	9292
1/9/2025 08:55:30	2441	8391	7143
1/8/2025 11:02:55	2103	8566	6967
1/7/2025 08:57:51	3520	11717	11043
1/6/2025 09:05:42	3711	12625	11361
1/3/2025 08:51:46	4213	13349	11205
1/2/2025 09:10:35	3518	11719	10360
12/31/2024 08:51:35	4294	14290	11717
12/30/2024 08:28:40	3844	13259	12067
12/27/2024 08:18:16	2203	8152	7504
12/26/2024 08:44:40	2305	8074	7548
12/23/2024 08:06:00	2896	11248	10056
12/20/2024 08:54:14	2708	10979	10317
12/19/2024 09:15:38	2891	11587	9938
12/18/2024 13:25:48	2814	12318	10968
12/18/2024 09:44:44	2926	11559	9971
12/17/2024 18:43:32	2387	9657	7920
12/17/2024 09:21:23	3788	13104	11548
12/16/2024 09:07:17	3574	12722	12350
12/13/2024 09:34:40	3687	12653	12379
12/12/2024 10:16:55	3332	10093	9300
12/11/2024 08:42:50	3508	11162	9190
12/10/2024 08:46:49	3008	9295	7961
12/9/2024 13:01:13	3955	12706	11839
12/9/2024 10:36:11	3607	12063	11349
12/9/2024 10:28:15	3636	12275	11714
12/9/2024 10:22:08	3652	12377	11936
12/6/2024 08:11:53	2474	9473	7590

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/5/2024 07:45:15	2602	9113	7346
12/4/2024 08:35:28	2839	9667	7564
12/3/2024 09:38:46	3015	11193	9379
12/3/2024 09:10:25	2907	9157	7638
12/2/2024 09:48:14	2604	11442	9841
11/27/2024 09:18:02	3476	12162	11898
11/27/2024 08:40:33	3385	11944	12062
11/26/2024 07:52:41	3744	12035	11820
11/25/2024 10:52:38	3880	13207	12363
11/25/2024 08:43:09	2919	8152	7210
11/25/2024 08:31:48	2322	6799	6373
11/22/2024 06:29:21	4341	13631	11908
11/21/2024 10:07:26	4232	13850	11980
11/21/2024 09:58:26	4337	13867	11641
11/21/2024 09:53:21	4336	13943	11865
11/20/2024 08:50:13	3327	11963	9773
11/19/2024 09:07:39	2881	12066	10310
11/18/2024 09:11:09	3258	12805	10761
11/15/2024 09:02:37	2693	8707	6754
11/14/2024 09:56:47	3179	12036	10196
11/14/2024 09:44:41	2030	6528	5373
11/14/2024 09:39:59	2088	6876	5431
11/14/2024 09:21:41	2135	6090	4966
11/14/2024 09:16:53	2193	6427	5066
11/13/2024 10:17:19	2967	12322	10924
11/12/2024 08:42:23	2896	10156	8865
11/12/2024 08:34:20	2091	6271	5013
11/11/2024 09:46:29	2704	9103	8129
11/11/2024 09:31:26	1451	4130	3151
11/11/2024 09:09:19	1556	4381	3353
11/8/2024 09:40:41	3878	12850	11278
11/7/2024 12:08:43	2848	10226	8292
11/7/2024 12:03:35	2627	8637	6728
11/7/2024 11:08:15	3976	13810	11381
11/7/2024 10:32:04	3532	13174	11182
11/7/2024 10:13:44	3716	11909	8198
11/7/2024 09:49:05	3693	13084	12786
11/6/2024 08:55:41	3378	15088	11319
11/5/2024 09:02:15	3773	15490	10953
11/4/2024 09:59:50	3402	15159	11216
11/4/2024 09:42:34	1057	3669	2186

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/4/2024 09:13:54	2351	8941	5502
11/1/2024 08:59:46	3717	16612	11556
10/31/2024 09:14:27	3337	15432	11693
10/30/2024 16:33:14	3797	17300	11789
10/30/2024 11:25:36	3655	14542	11817
10/30/2024 10:54:46	2413	7307	5091
10/30/2024 09:09:15	2981	9609	6862
10/29/2024 11:26:39	3194	11766	9190
10/29/2024 10:54:54	3026	11294	9461
10/29/2024 09:36:05	2893	8670	6437
10/29/2024 09:04:30	2784	8761	6754
10/28/2024 12:26:28	3435	10521	7399
10/28/2024 09:57:52	3258	12158	9024
10/25/2024 13:22:08	3268	11240	9552
10/25/2024 13:09:08	2630	7875	5867
10/25/2024 10:35:56	3217	10194	8481
10/25/2024 09:26:45	2628	9694	7739
10/25/2024 09:03:40	2688	8459	5359
10/24/2024 17:10:08	3080	10118	10097
10/24/2024 11:19:48	3870	14779	11560
10/24/2024 08:53:34	4135	16022	12555
10/23/2024 08:59:04	4087	16614	13183
10/22/2024 09:55:36	3983	15001	13012
10/21/2024 09:31:04	4538	15014	12821
10/18/2024 09:37:11	4383	14724	11994
10/17/2024 09:00:58	3900	14698	13119
10/16/2024 11:21:27	4189	14816	12534
10/16/2024 09:02:59	3438	10582	8196
10/15/2024 10:12:35	3435	10846	9239
10/14/2024 08:46:09	3541	15986	12186
10/11/2024 08:49:47	3690	15862	11666
10/10/2024 08:52:01	3700	15402	11824
10/9/2024 08:27:16	3626	15774	12277
10/8/2024 10:52:55	2362	10542	7908
10/8/2024 09:47:42	3911	15304	12906
10/7/2024 10:47:10	3992	14955	12794
10/7/2024 09:10:56	3382	13538	12792
10/7/2024 08:55:15	2656	8709	7524
10/4/2024 09:16:15	3872	14221	12466
10/3/2024 09:27:44	3365	12368	10800
10/3/2024 08:49:43	2982	10090	8450

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
10/3/2024 08:29:02	2995	10810	8612
10/2/2024 11:08:13	3324	11671	10170
10/2/2024 08:39:41	3353	10241	7732
10/1/2024 10:14:04	3370	11872	10693
9/30/2024 08:49:31	3503	14869	12082
9/27/2024 08:14:47	4409	16282	11577
9/26/2024 08:09:12	3884	15616	12097
9/25/2024 09:11:08	3580	16691	12938
9/24/2024 09:35:48	4222	16263	13022
9/23/2024 09:00:30	3708	15742	12736
9/20/2024 09:05:28	3987	15551	12694
9/19/2024 09:00:53	4313	16809	12564
9/18/2024 11:34:33	4095	14853	12453
9/18/2024 09:06:37	4445	16590	12240
9/17/2024 12:16:40	4163	14965	13304
9/17/2024 10:09:01	4176	14949	13142
9/16/2024 09:06:13	3051	12572	8977
9/13/2024 16:50:14	4283	16184	11408
9/13/2024 08:54:29	4066	17163	12371
9/12/2024 08:56:53	4002	16732	12377
9/11/2024 09:06:29	2910	10224	6989
9/10/2024 09:46:13	3531	13275	10400
9/9/2024 08:47:13	3100	13781	11716
9/9/2024 08:34:46	2186	7930	5968
9/6/2024 08:58:38	3296	13115	10876
9/5/2024 08:40:15	3699	13907	11131
9/4/2024 08:38:45	3411	15290	10844
9/3/2024 12:05:58	3899	14950	9780
9/3/2024 11:05:58	4188	14542	9410
9/3/2024 08:41:14	4155	14456	9772
8/30/2024 08:41:51	4377	15431	12571
8/29/2024 17:44:51	3896	15116	12679
8/29/2024 10:01:21	3933	13845	12605
8/28/2024 08:40:35	3730	15164	11267
8/27/2024 08:32:46	3843	16710	10929
8/26/2024 10:42:47	3976	12882	10259
8/23/2024 09:05:16	3432	12892	9568
8/22/2024 08:43:54	3662	14009	10981
8/21/2024 08:04:13	3190	14776	11594
8/20/2024 09:20:37	4220	16080	10288
8/19/2024 10:25:21	3050	10181	8067

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/19/2024 09:17:03	3195	9903	8321
8/16/2024 08:56:38	3253	15296	12175
8/15/2024 08:28:01	3146	14138	12111
8/14/2024 08:24:41	3158	13973	11673
8/13/2024 08:51:41	3023	15070	13056
8/12/2024 09:10:43	3411	12432	11805
8/12/2024 08:57:52	1786	5237	5122
8/9/2024 11:39:50	3767	15758	13022
8/9/2024 10:08:20	12	1	3
8/8/2024 08:40:39	3024	12546	9719
8/7/2024 09:19:16	2917	12165	9488
8/6/2024 11:12:44	2859	11998	10016
8/6/2024 10:53:38	2232	10655	9558
8/5/2024 10:40:17	2691	10635	9226
8/5/2024 10:09:19	2125	6835	5664
8/5/2024 09:55:23	2365	7939	6556
8/2/2024 09:40:16	3340	11024	9295
8/2/2024 08:37:48	3505	10692	8586
8/1/2024 10:38:00	3758	12250	9330
8/1/2024 09:06:45	3389	10556	9761
7/31/2024 08:13:58	3039	11937	9529
7/30/2024 08:50:51	2533	10165	9332
7/29/2024 16:06:05	3222	12529	9934
7/29/2024 12:07:28	3037	11992	10136
7/29/2024 11:14:31	3174	12095	10013
7/29/2024 10:15:21	2846	11965	10483
7/26/2024 08:53:52	3203	12639	10549
7/25/2024 09:09:23	2585	8526	8080
7/24/2024 15:10:09	3079	9987	9009
7/24/2024 08:46:25	3148	11490	9796
7/23/2024 09:32:54	3357	11492	9580
7/22/2024 10:18:30	3442	12004	11023
7/19/2024 08:55:06	3486	11885	10185
7/18/2024 09:06:31	3257	9447	8888
7/17/2024 13:03:52	2495	9473	8373
7/17/2024 08:53:29	2867	10755	8619
7/16/2024 08:54:03	2886	10903	8985
7/15/2024 10:39:29	2656	10995	8921
7/15/2024 10:30:38	103	5	6
7/15/2024 10:13:57	1404	5260	4224
7/15/2024 09:02:48	3268	12919	10156

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
7/12/2024 08:34:22	2706	11570	8940
7/11/2024 09:57:22	2727	11970	8459
7/10/2024 08:53:17	2246	9073	7312
7/9/2024 11:54:06	3038	12303	9808
7/9/2024 11:32:31	2139	7705	5834
7/9/2024 11:26:38	2090	7758	5904
7/9/2024 10:39:16	3437	12816	9591
7/9/2024 09:17:46	2577	11478	8879
7/9/2024 08:57:06	3286	13034	8974
7/8/2024 09:21:55	3166	12745	9642
7/8/2024 09:16:31	3066	12665	9668
7/5/2024 09:03:10	3288	13628	11266
7/3/2024 13:05:52	3539	13046	10137
7/3/2024 11:25:40	3213	12344	9957
7/3/2024 09:13:37	3169	12570	10423
7/3/2024 08:44:49	2051	12221	9873
7/2/2024 10:26:17	2328	11750	10360
7/2/2024 08:58:12	3072	10344	9707
7/1/2024 14:16:19	3282	10802	9231
7/1/2024 10:01:10	3288	12796	10476
6/28/2024 08:25:22	3484	12596	10301
6/27/2024 08:34:14	3474	12721	10120
6/27/2024 08:11:22	1666	11338	9258
6/26/2024 07:54:24	2501	8288	8428
6/25/2024 09:02:17	2627	12790	10975
6/24/2024 09:30:27	2976	12050	10056
6/21/2024 08:55:34	3096	13175	9957
6/21/2024 08:22:44	1280	11401	9041
6/20/2024 09:00:43	2564	9588	8694
6/19/2024 07:51:31	2980	11922	9704
6/18/2024 07:52:20	3296	11922	9824
6/17/2024 08:58:45	3009	9463	9003
6/14/2024 08:44:27	2879	12214	10357
6/13/2024 08:42:30	3176	12682	10526
6/12/2024 09:03:47	2996	12633	11312
6/11/2024 08:44:40	3492	13252	10118
6/10/2024 09:31:51	4111	13060	10421
6/10/2024 09:17:04	3508	11070	8441
6/10/2024 09:10:07	3930	12555	9564
6/7/2024 09:02:38	3417	11597	7618
6/6/2024 15:20:20	2950	9649	8247

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
6/6/2024 05:03:01	3480	13184	11025
6/6/2024 04:59:28	3438	13257	11014
6/5/2024 08:30:26	3575	12412	10789
6/4/2024 08:52:51	3401	12310	11419
6/4/2024 08:39:35	2814	11768	10904
6/4/2024 08:33:37	3060	12687	11246
6/3/2024 10:10:17	3272	10175	10494
6/3/2024 09:51:43	1907	6599	4712
6/3/2024 09:44:54	2209	7627	5199
6/3/2024 09:30:49	3299	9738	9247
5/31/2024 08:42:32	3301	13328	10713
5/30/2024 09:08:46	3406	13401	10419
5/29/2024 09:04:40	3587	13162	10590
5/29/2024 08:48:40	1739	11664	8844
5/29/2024 08:44:08	1858	12854	9297
5/28/2024 09:34:37	3138	12513	10682
5/24/2024 07:20:01	3325	12857	11044
5/23/2024 10:25:13	3407	12821	11140
5/22/2024 09:45:06	3583	12763	11601
5/21/2024 09:06:58	3752	13803	11837
5/21/2024 08:01:17	3966	14413	11053
5/20/2024 17:22:27	3645	10846	9662
5/20/2024 17:18:56	3613	10801	9645
5/20/2024 09:20:56	3333	12566	10681
5/17/2024 09:12:39	3467	13701	10660
5/16/2024 08:56:23	3599	13565	10699
5/15/2024 09:38:13	3581	13159	10227
5/15/2024 09:21:01	1917	11948	9850
5/14/2024 09:41:16	3346	12368	10966
5/14/2024 09:04:40	3206	11414	12297
5/13/2024 09:04:44	2639	15138	12300
5/10/2024 08:57:17	2178	13865	10279
5/9/2024 09:06:46	2313	13292	10727
5/9/2024 08:50:21	1763	12142	9522
5/9/2024 08:44:20	1789	12171	9682
5/8/2024 09:39:10	3313	11092	11044
5/7/2024 17:05:39	3463	13115	10886
5/7/2024 16:48:43	3264	12073	10628
5/7/2024 09:19:24	3347	12706	11167
5/6/2024 09:15:59	3892	14499	12724
5/6/2024 09:03:10	3843	14665	13481

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
5/3/2024 09:11:06	3540	13100	11548
5/2/2024 09:48:24	3670	12233	11836
5/1/2024 09:22:54	4036	13686	11251
4/30/2024 10:43:56	4361	13605	11359
4/30/2024 08:17:01	4350	13793	11664
4/29/2024 09:10:57	4751	14089	11140
4/29/2024 08:57:45	3329	9292	6892
4/26/2024 08:09:31	5054	14978	10788
4/25/2024 09:37:51	4308	13902	11794
4/24/2024 09:17:24	4876	17662	12102
4/23/2024 22:46:11	4199	16180	12059
4/23/2024 09:01:59	3715	15592	11876
4/22/2024 10:16:34	4292	15978	13578
4/19/2024 10:59:00	3974	16385	11540
4/19/2024 10:07:48	2645	8439	3189
4/19/2024 09:10:32	360162	657303	2022720
4/18/2024 09:24:23	3369	17060	12485
4/17/2024 17:03:53	2828	16000	10229
4/17/2024 16:22:27	2262	14213	9009
4/17/2024 09:09:54	3608	12353	11595
4/16/2024 09:06:44	4046	14969	11814
4/15/2024 09:14:49	4139	16052	12083
4/12/2024 08:28:21	4666	17208	13280
4/11/2024 08:35:01	4138	17113	13613
4/10/2024 09:48:58	4018	16844	14484
4/9/2024 08:56:49	3881	15432	13181
4/8/2024 09:25:48	4035	16790	14224
4/5/2024 08:28:47	3893	17251	13416
4/4/2024 11:00:01	2778	10338	7494
4/4/2024 10:45:12	4028	16465	14158
4/3/2024 08:29:42	3630	16640	12452
4/2/2024 09:43:44	3046	17903	13815
4/1/2024 09:27:15	3194	17804	13701
3/29/2024 08:53:28	2520	17006	12384
3/28/2024 09:08:20	2920	17324	12995
3/27/2024 16:48:32	3382	17176	12605
3/27/2024 10:07:18	3661	16126	12723
3/27/2024 08:49:30	3929	17060	12992
3/26/2024 10:28:06	4590	16054	14855
3/25/2024 10:10:30	4003	18464	13973
3/22/2024 09:00:45	2984	17875	12893

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
3/21/2024 08:44:31	3167	17829	13067
3/20/2024 09:03:42	3080	17089	12389
3/19/2024 13:23:15	3786	17505	12877
3/19/2024 09:31:32	3279	17943	12421
3/18/2024 10:47:35	4608	16508	13822
3/15/2024 09:19:25	2446	16491	10868
3/14/2024 09:13:05	2441	16585	10800
3/13/2024 09:22:30	2903	16825	11325
3/12/2024 09:10:39	2653	17105	11709
3/11/2024 11:07:32	4200	16181	13057
3/11/2024 09:31:05	4293	17257	11986
3/11/2024 09:27:33	4322	17396	12106
3/8/2024 08:29:13	4145	16244	11704
3/7/2024 17:46:09	4185	15148	11811
3/7/2024 13:19:13	4029	15848	11265
3/7/2024 09:28:32	3605	13491	9204
3/7/2024 09:11:32	2580	13526	10298
3/7/2024 09:01:08	2698	13846	10718
3/6/2024 10:19:40	3208	14488	10724
3/5/2024 10:15:16	273	1743	2387
3/5/2024 10:09:01	146	892	1334
3/4/2024 11:41:00	4063	15365	11233
3/4/2024 11:28:21	1954	9059	5433
3/1/2024 08:43:28	2996	15512	8966
2/29/2024 10:38:23	4306	15354	11334
2/29/2024 10:00:25	554	3889	4359
2/29/2024 09:54:15	506	3359	3784
2/28/2024 09:32:01	3061	18229	13084
2/27/2024 09:16:47	2827	17549	11855
2/26/2024 10:30:35	3971	16379	11179
2/26/2024 10:00:21	1827	10055	6679
2/23/2024 09:07:38	3382	16511	11230
2/22/2024 08:58:48	3065	15604	10264
2/21/2024 09:51:13	3455	16190	11543
2/20/2024 09:59:52	3253	15976	11176
2/19/2024 11:30:32	4894	17240	13782
2/19/2024 11:27:00	4856	17120	13743
2/19/2024 10:16:07	4289	15395	10107
2/16/2024 10:28:26	3613	15969	9007
2/15/2024 09:20:58	4185	16564	9371
2/14/2024 09:20:12	4712	16825	9695

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
2/13/2024 10:44:41	4401	16379	9098
2/13/2024 10:29:18	758	13401	11559
2/12/2024 11:24:46	2301	15124	11918
2/12/2024 11:09:08	53	2239	4028
2/12/2024 10:33:45	42	1954	3702
2/12/2024 10:19:52	438	2663	2740
2/12/2024 10:03:02	137	541	1027
2/9/2024 09:43:26	2475	17092	10562
2/8/2024 09:41:08	2739	17007	11011
2/7/2024 09:08:34	2949	17251	11332
2/6/2024 10:08:14	3266	17222	10352
2/5/2024 16:27:35	2590	11801	7811
2/2/2024 09:52:22	4247	15989	11850
2/1/2024 09:29:20	4221	15873	11923
1/31/2024 11:01:25	4619	16449	12370
1/31/2024 10:56:52	2140	7715	5751
1/30/2024 09:04:33	4439	15663	11799
1/29/2024 09:09:33	3916	13763	12278
1/26/2024 10:08:59	3557	15191	9410
1/25/2024 09:54:25	3735	15427	9753
1/24/2024 08:52:40	3752	15257	10201
1/23/2024 11:08:41	3473	15039	10359
1/22/2024 09:17:23	4075	16149	10348
1/22/2024 09:06:26	2984	12293	7869
1/19/2024 09:01:45	3434	14536	9100
1/18/2024 10:29:20	3342	14635	9148
1/17/2024 08:52:45	3752	15881	10390
1/16/2024 14:09:54	4332	14365	9878
1/16/2024 13:58:35	1849	8752	5553
1/16/2024 13:45:11	1759	8747	5733
1/15/2024 13:03:28	344	1843	2376
1/15/2024 10:46:25	310	1953	2595
1/15/2024 10:34:05	355	1945	2594
1/15/2024 10:25:28	354	1906	2502
1/15/2024 09:48:32	378	1867	2261
1/15/2024 09:32:45	371	1842	2272
1/11/2024 14:10:39	440	1388	1671
1/11/2024 14:00:32	442	1331	1629
1/11/2024 13:07:14	441	1073	1309
1/11/2024 12:18:32	442	1296	1595
1/11/2024 10:36:51	468	1469	1987

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/11/2024 10:28:26	430	1428	1696
1/11/2024 09:11:58	387	1869	2263
1/11/2024 09:02:27	313	1592	1975
1/11/2024 08:54:00	310	1559	1944
1/10/2024 09:10:40	3490	14986	10982
1/9/2024 12:58:05	4349	14607	8180
1/9/2024 12:49:35	715	10779	7642
1/9/2024 12:37:33	8	1202	6143
1/9/2024 12:22:55	8	1215	6181
1/9/2024 12:00:03	8	1341	6546
1/9/2024 11:54:42	9	1280	6372
1/9/2024 11:45:17	9	1382	6594
1/9/2024 11:40:53	10	1397	6617
1/9/2024 11:25:08	362	1545	1665
1/9/2024 11:20:04	363	1540	1650
1/8/2024 13:49:37	3408	10281	9523
1/8/2024 12:34:48	1155	5021	6450
1/8/2024 12:30:18	1191	5187	6341
1/5/2024 09:35:49	3668	12692	8070
1/4/2024 09:13:21	3867	12894	6927
1/4/2024 09:00:57	603	1935	1257
1/3/2024 08:46:17	3809	12778	9107
1/2/2024 11:16:48	3519	12397	9390
1/2/2024 10:38:17	3814	12293	8842
12/29/2023 10:12:49	4013	12649	8816
12/28/2023 08:59:35	3766	13387	9586
12/27/2023 12:20:02	3809	12937	8800
12/27/2023 11:34:32	40	9	2
12/27/2023 10:51:04	55	31	2
12/27/2023 10:41:08	72	37	8
12/27/2023 10:33:50	3879	13288	8945
12/27/2023 10:28:28	3772	13183	8580
12/22/2023 07:49:52	3943	11892	9924
12/21/2023 08:44:43	3526	13027	9943
12/20/2023 09:26:41	4003	13172	10074
12/19/2023 09:55:37	4333	13694	10285
12/18/2023 10:16:18	4138	13763	10818
12/18/2023 10:06:38	3415	13014	10962
12/18/2023 10:00:26	3894	14384	11204
12/15/2023 09:45:55	3734	14030	9513
12/14/2023 10:23:15	3524	14113	9600

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/13/2023 10:17:40	3829	13996	9570
12/12/2023 09:56:00	3555	14240	9677
12/11/2023 10:31:48	3701	14394	9382
12/8/2023 10:10:39	3664	14293	8929
12/7/2023 09:51:50	3426	13353	8809
12/6/2023 10:12:37	3698	14579	8824
12/5/2023 10:02:14	3349	13427	9922
12/4/2023 12:08:53	3427	12418	10340
12/4/2023 11:24:17	1768	7808	8292
12/4/2023 11:20:06	1802	8001	8316
12/4/2023 11:16:06	1832	8106	8250
12/4/2023 10:23:39	1770	7816	7735
12/4/2023 10:16:55	1601	7275	7827
12/4/2023 10:09:27	1944	8113	7456
12/1/2023 09:45:19	2113	9054	8466
11/30/2023 11:48:17	2317	9995	8851
11/30/2023 11:13:01	1727	8309	9089
11/30/2023 11:05:44	1721	8023	8748
11/30/2023 10:33:46	1172	5927	8124
11/29/2023 10:04:26	2359	11870	8365
11/29/2023 09:51:22	1483	5693	3444
11/28/2023 12:50:37	3146	12531	8324
11/28/2023 12:18:55	2789	8914	4789
11/28/2023 12:15:04	3346	10726	5995
11/28/2023 11:49:24	2609	8496	4878
11/28/2023 10:22:53	1529	5718	4738
11/28/2023 10:19:03	1663	6180	5204
11/28/2023 10:15:20	1784	6623	5657
11/28/2023 09:59:37	1436	6174	5639
11/27/2023 10:28:48	2148	9665	8835
11/27/2023 10:07:16	1451	7618	8440
11/27/2023 10:01:25	1454	7648	8543
11/27/2023 09:52:06	1636	8794	9323
11/22/2023 09:50:47	2317	9749	8520
11/21/2023 09:52:05	2348	10189	9398
11/20/2023 09:38:08	2536	10392	9162
11/17/2023 10:07:38	2699	10664	9285
11/16/2023 09:42:56	2615	11519	10404
11/15/2023 13:01:45	2120	9780	10146
11/15/2023 12:33:52	1814	8334	9391
11/15/2023 12:27:35	1837	8353	9462

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/15/2023 12:17:35	1829	8310	9392
11/15/2023 12:09:42	1631	7760	9062
11/15/2023 10:39:09	1634	7521	8758
11/14/2023 10:25:03	4165	15167	8009
11/13/2023 09:42:07	3445	15971	9795
11/10/2023 09:15:37	3300	14607	7635
11/9/2023 09:55:52	2651	15369	8099
11/8/2023 09:55:56	2862	15545	7990
11/7/2023 10:07:52	2359	13776	7205
11/7/2023 10:01:12	1759	11245	6289
11/7/2023 09:55:11	1931	12236	6442
11/6/2023 10:21:52	3645	16323	7638
11/3/2023 09:44:39	2391	13805	7745
11/2/2023 09:56:11	2999	15000	8628
11/1/2023 09:41:33	3299	14766	7935

Background

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
5/15/2025 09:31:46	1.800	1.300	6.600
5/14/2025 09:06:50	1.550	0.950	5.550
5/13/2025 09:36:14	2.300	2.300	8.000
5/13/2025 09:30:51	1.800	1.300	7.250
5/13/2025 09:25:57	8.750	1.750	6.750
5/12/2025 09:03:04	1.850	1.000	5.900
5/9/2025 09:26:54	3.300	2.600	5.000
5/8/2025 09:05:47	1.750	1.250	6.400
5/7/2025 11:37:29	1.900	1.100	5.300
5/7/2025 09:39:52	1.450	0.850	3.900
5/7/2025 09:19:05	1.000	1.150	5.150
5/7/2025 09:09:48	1.350	0.700	5.100
5/6/2025 08:43:43	1.200	0.750	4.800
5/5/2025 09:20:07	0.950	1.050	3.600

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
5/5/2025 09:14:51	1.400	1.100	4.100
5/2/2025 08:57:59	1.700	1.500	5.950
5/1/2025 12:36:57	1.600	1.650	6.300
5/1/2025 09:14:21	1.650	1.000	4.500
4/30/2025 09:02:04	1.700	1.250	4.950
4/29/2025 10:07:50	1.300	1.650	5.750
4/29/2025 09:52:25	1.100	1.050	6.000
4/29/2025 09:45:51	1.050	0.550	4.650
4/28/2025 09:08:18	6.700	2.900	6.000
4/25/2025 09:08:03	1.400	1.100	6.200
4/24/2025 10:56:02	2.300	1.750	7.400
4/24/2025 09:11:17	2.250	1.300	8.300
4/23/2025 09:08:22	2.100	1.450	7.350
4/22/2025 08:59:32	1.800	1.600	5.750
4/21/2025 09:23:13	2.200	1.750	7.550
4/21/2025 08:46:47	2.000	1.750	6.650
4/18/2025 09:04:01	1.500	1.450	6.850
4/17/2025 09:05:25	1.900	1.400	5.200
4/16/2025 08:44:21	1.650	0.900	5.500
4/15/2025 08:11:34	2.100	1.000	5.350
4/14/2025 09:02:31	1.550	1.100	5.550
4/11/2025 09:30:06	1.950	1.200	4.700
4/11/2025 09:14:04	2.150	1.700	6.050
4/11/2025 09:09:32	1.700	1.150	6.200
4/10/2025 11:04:39	2.050	1.050	5.900
4/10/2025 10:55:23	1.150	1.050	5.700
4/10/2025 09:14:56	2.000	1.150	6.100
4/9/2025 07:26:27	2.200	1.100	6.250
4/8/2025 09:15:27	1.750	1.300	5.750
4/7/2025 08:14:25	1.350	1.050	4.950
4/4/2025 10:20:02	1.550	1.150	4.950
4/4/2025 07:19:40	2.550	0.750	5.250
4/3/2025 09:18:00	1.900	0.800	5.150
4/2/2025 08:33:12	2.300	0.900	5.850
4/1/2025 08:53:08	2.600	1.450	5.950
3/31/2025 09:21:05	1.400	1.550	5.300
3/28/2025 07:55:38	1.850	1.550	6.250
3/27/2025 10:27:19	2.250	1.300	5.650
3/27/2025 08:53:37	1.750	2.000	4.700
3/26/2025 09:24:07	1.550	0.850	6.800
3/26/2025 08:18:43	1.700	1.700	5.050

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
3/25/2025 08:30:57	1.950	1.000	5.600
3/25/2025 08:05:04	1.250	1.100	6.050
3/24/2025 08:31:10	1.850	1.100	5.350
3/21/2025 13:13:03	1.750	0.700	4.400
3/21/2025 12:18:37	2.750	1.700	6.000
3/21/2025 10:25:39	1.850	1.100	4.900
3/21/2025 10:10:55	2.450	1.150	6.400
3/21/2025 09:13:59	2.100	1.600	7.450
3/21/2025 09:06:40	2.000	1.450	6.800
3/21/2025 08:55:34	2.000	0.800	5.400
3/21/2025 08:32:15	2.250	1.300	5.750
3/20/2025 07:54:04	1.600	1.400	5.500
3/19/2025 10:24:55	3.100	1.500	10.350
3/18/2025 08:52:25	1.400	0.750	5.250
3/17/2025 09:15:37	1.400	0.700	4.750
3/14/2025 08:44:33	1.500	1.250	5.500
3/13/2025 09:07:05	1.650	1.200	5.950
3/12/2025 09:32:24	1.600	1.050	6.750
3/11/2025 09:35:46	1.850	0.950	5.600
3/11/2025 09:28:10	2.050	1.650	6.450
3/11/2025 09:23:27	1.550	1.250	5.150
3/10/2025 09:21:42	1.600	1.050	4.550
3/7/2025 10:49:58	1.800	1.100	5.150
3/7/2025 09:25:42	1.250	0.800	5.000
3/6/2025 08:47:21	1.250	1.450	4.650
3/5/2025 11:49:15	1.850	1.250	4.850
3/5/2025 11:37:32	1.500	1.450	5.050
3/5/2025 11:27:25	2.250	1.600	5.750
3/5/2025 09:11:59	1.850	1.300	6.000
3/4/2025 09:46:13	1.650	1.300	4.550
3/3/2025 09:10:03	1.900	1.150	6.400
2/28/2025 12:48:47	1.900	1.050	7.150
2/28/2025 09:32:09	1.350	1.300	6.850
2/27/2025 09:27:48	2.800	1.850	8.450
2/27/2025 08:44:03	2.900	1.750	8.850
2/26/2025 09:05:54	1.800	0.750	5.950
2/25/2025 09:32:16	2.500	1.250	7.700
2/24/2025 08:59:48	2.400	1.200	5.750
2/21/2025 09:28:39	2.750	1.900	8.650
2/21/2025 09:20:37	2.350	1.750	7.550
2/20/2025 12:51:01	3.250	1.300	7.300

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
2/20/2025 09:19:24	0.800	0.450	1.900
2/19/2025 09:22:52	0.800	0.350	1.850
2/19/2025 09:04:54	0.300	0.700	1.700
2/18/2025 09:15:33	0.750	0.750	2.600
2/17/2025 09:55:54	0.900	0.650	2.150
2/14/2025 09:06:42	0.900	0.350	2.400
2/13/2025 09:06:19	0.550	0.600	1.950
2/12/2025 09:11:47	0.900	0.550	1.650
2/11/2025 09:24:44	1.100	0.250	2.350
2/10/2025 09:25:20	0.950	0.550	2.000
2/7/2025 09:21:57	0.750	0.550	2.850
2/6/2025 13:15:34	1.150	0.600	3.850
2/6/2025 09:18:48	1.000	0.900	2.900
2/5/2025 10:18:25	1.000	0.450	3.950
2/5/2025 09:31:26	1.100	0.600	3.600
2/4/2025 09:10:01	1.300	0.800	2.850
2/3/2025 10:57:55	0.850	0.600	3.750
2/3/2025 09:46:21	0.600	0.300	2.800
1/31/2025 13:24:01	0.850	0.650	2.650
1/31/2025 12:15:33	2.900	1.450	11.050
1/31/2025 11:41:22	2.250	2.500	9.200
1/31/2025 11:25:27	1.900	1.400	7.950
1/31/2025 10:55:25	1.800	0.950	7.050
1/31/2025 08:50:57	1.850	1.750	7.150
1/30/2025 09:05:36	2.350	1.300	8.900
1/30/2025 08:35:38	2.400	1.850	9.450
1/30/2025 08:04:37	2.500	1.600	9.200
1/29/2025 10:06:45	1.650	1.350	8.300
1/28/2025 09:55:51	2.500	2.000	9.100
1/27/2025 08:25:00	2.150	1.450	8.050
1/24/2025 10:20:31	1.900	1.750	7.750
1/23/2025 08:29:42	0.600	0.600	2.050
1/22/2025 08:50:52	0.300	0.450	2.450
1/21/2025 08:39:26	1.000	0.900	2.950
1/20/2025 09:29:22	1.100	0.700	2.200
1/17/2025 09:22:21	0.700	0.300	2.250
1/16/2025 09:06:18	0.650	0.350	2.900
1/15/2025 10:11:23	0.700	0.850	2.450
1/14/2025 08:44:58	1.250	1.100	6.450
1/13/2025 08:22:52	1.600	0.900	5.100
1/10/2025 08:58:48	1.550	1.100	5.750

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/9/2025 08:55:30	2.000	1.550	6.700
1/8/2025 11:02:55	1.350	1.200	6.900
1/7/2025 08:57:51	1.050	0.300	2.200
1/6/2025 09:05:42	0.850	0.450	2.650
1/3/2025 08:51:46	0.700	0.450	3.150
1/2/2025 09:10:35	0.750	0.650	2.000
12/31/2024 08:51:35	0.900	0.550	3.100
12/30/2024 08:28:40	0.850	0.850	2.350
12/27/2024 08:18:16	1.550	0.500	5.050
12/26/2024 08:44:40	1.350	0.900	5.000
12/23/2024 08:06:00	1.550	0.850	5.600
12/20/2024 08:54:14	1.900	0.900	6.150
12/19/2024 09:15:38	1.900	1.150	5.650
12/18/2024 13:25:48	1.850	1.450	5.550
12/18/2024 09:44:44	1.750	0.950	6.050
12/17/2024 18:43:32	1.300	0.550	2.950
12/17/2024 09:21:23	0.800	0.700	2.550
12/16/2024 09:07:17	0.450	0.850	1.750
12/13/2024 09:34:40	0.700	0.800	2.150
12/12/2024 10:16:55	0.800	0.600	2.250
12/11/2024 08:42:50	0.700	0.600	2.700
12/10/2024 08:46:49	1.100	0.400	2.950
12/9/2024 13:01:13	0.900	0.900	2.500
12/9/2024 10:36:11	0.900	0.550	2.800
12/9/2024 10:28:15	0.700	0.750	2.800
12/9/2024 10:22:08	0.800	0.600	2.100
12/6/2024 08:11:53	1.550	1.100	8.600
12/5/2024 07:45:15	1.350	1.450	8.100
12/4/2024 08:35:28	1.200	1.550	7.650
12/3/2024 09:38:46	1.300	1.300	6.550
12/3/2024 09:10:25	1.250	1.100	6.750
12/2/2024 09:48:14	1.300	1.150	6.650
11/27/2024 09:18:02	0.600	0.700	1.800
11/27/2024 08:40:33	0.650	0.750	1.300
11/26/2024 07:52:41	0.950	0.600	2.100
11/25/2024 10:52:38	0.900	0.550	2.350
11/25/2024 08:43:09	0.850	0.800	2.050
11/25/2024 08:31:48	1.000	0.650	2.100
11/22/2024 06:29:21	0.600	1.050	2.500
11/21/2024 10:07:26	0.750	1.000	2.700
11/21/2024 09:58:26	1.300	0.650	3.050

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/21/2024 09:53:21	0.800	0.750	3.100
11/20/2024 08:50:13	6.000	3.700	8.600
11/19/2024 09:07:39	1.550	1.400	6.450
11/18/2024 09:11:09	1.150	1.600	7.350
11/15/2024 09:02:37	1.200	1.150	7.050
11/14/2024 09:56:47	2.100	1.400	7.500
11/14/2024 09:44:41	1.750	0.850	5.250
11/14/2024 09:39:59	2.150	1.550	9.400
11/14/2024 09:21:41	2.250	1.500	6.150
11/14/2024 09:16:53	1.850	0.900	7.400
11/13/2024 10:17:19	1.650	1.000	4.650
11/12/2024 08:42:23	1.200	0.650	2.500
11/12/2024 08:34:20	1.150	0.650	3.300
11/11/2024 09:46:29	1.350	0.500	3.400
11/11/2024 09:31:26	1.150	0.800	3.850
11/11/2024 09:09:19	1.750	0.450	4.300
11/8/2024 09:40:41	0.950	0.650	3.650
11/7/2024 12:08:43	2.450	1.450	5.650
11/7/2024 12:03:35	1.900	1.200	5.500
11/7/2024 11:08:15	1.350	0.700	2.850
11/7/2024 10:32:04	1.350	0.450	2.700
11/7/2024 10:13:44	0.850	0.700	3.500
11/7/2024 09:49:05	0.900	0.650	2.650
11/6/2024 08:55:41	1.800	1.300	6.000
11/5/2024 09:02:15	1.950	1.250	6.400
11/4/2024 09:59:50	1.750	1.100	6.350
11/4/2024 09:42:34	3.000	1.750	8.800
11/4/2024 09:13:54	3.050	0.950	6.700
11/1/2024 08:59:46	1.600	1.100	5.200
10/31/2024 09:14:27	1.500	1.200	4.850
10/30/2024 16:33:14	2.550	1.200	7.450
10/30/2024 11:25:36	1.400	1.250	4.700
10/30/2024 10:54:46	1.250	1.300	6.450
10/30/2024 09:09:15	0.650	0.700	4.050
10/29/2024 11:26:39	0.800	0.900	3.200
10/29/2024 10:54:54	1.000	0.950	3.600
10/29/2024 09:36:05	1.650	0.900	4.150
10/29/2024 09:04:30	1.000	0.450	4.500
10/28/2024 12:26:28	1.200	0.950	5.100
10/28/2024 09:57:52	1.200	0.800	4.350
10/25/2024 13:22:08	0.500	0.500	2.800

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
10/25/2024 13:09:08	0.850	1.050	4.250
10/25/2024 10:35:56	0.850	0.650	3.350
10/25/2024 09:26:45	0.550	0.850	2.500
10/25/2024 09:03:40	1.000	0.750	3.450
10/24/2024 17:10:08	0.550	0.700	2.950
10/24/2024 11:19:48	1.300	0.900	4.950
10/24/2024 08:53:34	0.850	1.000	5.300
10/23/2024 08:59:04	1.200	0.600	4.650
10/22/2024 09:55:36	1.100	1.000	3.250
10/21/2024 09:31:04	0.750	0.700	2.900
10/18/2024 09:37:11	1.300	0.800	4.050
10/17/2024 09:00:58	1.000	0.700	3.100
10/16/2024 11:21:27	0.750	1.150	4.250
10/16/2024 09:02:59	0.800	0.850	4.800
10/15/2024 10:12:35	0.700	0.750	3.450
10/14/2024 08:46:09	1.150	0.750	5.200
10/11/2024 08:49:47	1.250	1.250	5.050
10/10/2024 08:52:01	1.150	1.050	4.250
10/9/2024 08:27:16	1.300	0.650	5.100
10/8/2024 10:52:55	1.650	0.900	6.250
10/8/2024 09:47:42	1.000	1.200	3.950
10/7/2024 10:47:10	1.000	0.850	3.900
10/7/2024 09:10:56	0.650	0.650	2.550
10/7/2024 08:55:15	0.900	0.350	3.750
10/4/2024 09:16:15	0.550	0.700	3.950
10/3/2024 09:27:44	1.150	0.800	3.300
10/3/2024 08:49:43	1.050	0.750	4.100
10/3/2024 08:29:02	0.700	0.900	3.950
10/2/2024 11:08:13	1.150	0.800	3.600
10/2/2024 08:39:41	1.150	1.100	4.550
10/1/2024 10:14:04	0.900	0.500	2.800
9/30/2024 08:49:31	1.300	1.000	4.000
9/27/2024 08:14:47	1.750	1.050	5.150
9/26/2024 08:09:12	0.800	0.550	4.500
9/25/2024 09:11:08	1.150	0.800	4.950
9/24/2024 09:35:48	0.850	0.700	4.550
9/23/2024 09:00:30	1.250	1.000	4.050
9/20/2024 09:05:28	0.700	0.750	3.000
9/19/2024 09:00:53	1.000	1.000	4.550
9/18/2024 11:34:33	1.000	0.800	3.700
9/18/2024 09:06:37	0.600	0.750	4.150

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
9/17/2024 12:16:40	0.900	0.750	3.400
9/17/2024 10:09:01	0.900	0.800	3.350
9/16/2024 09:06:13	1.250	1.050	4.500
9/13/2024 16:50:14	1.550	1.700	7.350
9/13/2024 08:54:29	1.600	0.900	5.400
9/12/2024 08:56:53	1.000	0.900	4.800
9/11/2024 09:06:29	1.200	0.800	5.450
9/10/2024 09:46:13	0.900	0.500	4.550
9/9/2024 08:47:13	0.700	0.900	3.150
9/9/2024 08:34:46	0.950	0.450	3.600
9/6/2024 08:58:38	0.700	0.650	2.600
9/5/2024 08:40:15	0.800	0.700	3.950
9/4/2024 08:38:45	1.250	0.600	3.950
9/3/2024 12:05:58	1.350	0.950	4.450
9/3/2024 11:05:58	1.250	1.450	6.900
9/3/2024 08:41:14	1.400	1.450	5.900
8/30/2024 08:41:51	1.100	0.700	4.200
8/29/2024 17:44:51	1.050	0.950	3.500
8/29/2024 10:01:21	1.100	0.500	4.000
8/28/2024 08:40:35	0.800	1.250	4.450
8/27/2024 08:32:46	1.450	1.000	5.600
8/26/2024 10:42:47	1.150	0.650	4.550
8/23/2024 09:05:16	1.400	1.400	3.650
8/22/2024 08:43:54	1.050	0.850	3.250
8/21/2024 08:04:13	1.200	1.050	4.450
8/20/2024 09:20:37	1.250	1.250	5.250
8/19/2024 10:25:21	1.000	0.500	4.550
8/19/2024 09:17:03	0.900	0.650	3.700
8/16/2024 08:56:38	1.050	1.050	3.450
8/15/2024 08:28:01	1.000	0.600	3.250
8/14/2024 08:24:41	1.150	0.450	4.000
8/13/2024 08:51:41	1.200	0.450	2.850
8/12/2024 09:10:43	0.500	0.500	2.350
8/12/2024 08:57:52	0.950	0.600	2.950
8/9/2024 11:39:50	1.350	0.700	4.500
8/9/2024 10:08:20	0.850	0.600	3.100
8/8/2024 08:40:39	1.200	0.500	5.750
8/7/2024 09:19:16	1.350	0.900	4.300
8/6/2024 11:12:44	1.450	0.800	3.500
8/6/2024 10:53:38	1.600	0.500	3.350
8/5/2024 10:40:17	0.600	0.750	3.150

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
8/5/2024 10:09:19	1.300	0.750	4.700
8/5/2024 09:55:23	0.800	0.700	5.750
8/2/2024 09:40:16	1.050	0.650	4.450
8/2/2024 08:37:48	1.300	0.700	4.600
8/1/2024 10:38:00	1.050	0.550	5.450
8/1/2024 09:06:45	0.900	0.850	3.750
7/31/2024 08:13:58	1.200	0.650	3.800
7/30/2024 08:50:51	1.100	0.650	2.400
7/29/2024 16:06:05	1.250	0.950	4.850
7/29/2024 12:07:28	1.500	0.750	4.100
7/29/2024 11:14:31	1.200	1.000	3.500
7/29/2024 10:15:21	1.250	0.800	3.900
7/26/2024 08:53:52	0.750	1.200	3.950
7/25/2024 09:09:23	0.750	0.300	2.900
7/24/2024 15:10:09	0.750	0.700	3.650
7/24/2024 08:46:25	1.100	0.650	4.200
7/23/2024 09:32:54	1.250	0.750	3.550
7/22/2024 10:18:30	1.050	0.600	4.200
7/19/2024 08:55:06	1.300	0.650	4.050
7/18/2024 09:06:31	0.700	0.600	2.950
7/17/2024 13:03:52	1.150	0.800	3.850
7/17/2024 08:53:29	1.700	0.550	5.400
7/16/2024 08:54:03	0.900	0.850	4.100
7/15/2024 10:39:29	1.050	0.750	4.650
7/15/2024 10:30:38	1.250	0.750	4.300
7/15/2024 10:13:57	1.250	0.650	4.400
7/15/2024 09:02:48	1.550	0.450	4.300
7/12/2024 08:34:22	1.200	0.850	4.100
7/11/2024 09:57:22	1.550	1.200	5.900
7/10/2024 08:53:17	1.050	0.850	2.900
7/9/2024 11:54:06	1.200	0.750	3.700
7/9/2024 11:32:31	1.000	0.450	3.700
7/9/2024 11:26:38	1.550	0.550	4.350
7/9/2024 10:39:16	1.200	1.050	4.700
7/9/2024 09:17:46	1.550	0.800	4.650
7/9/2024 08:57:06	1.250	0.700	3.100
7/8/2024 09:21:55	1.700	0.950	5.050
7/8/2024 09:16:31	1.050	0.750	4.500
7/5/2024 09:03:10	1.200	0.500	3.600
7/3/2024 13:05:52	1.150	1.000	4.000
7/3/2024 11:25:40	1.500	0.850	4.500

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
7/3/2024 09:13:37	1.000	0.550	4.300
7/3/2024 08:44:49	0.950	0.650	3.500
7/2/2024 10:26:17	0.850	0.650	3.600
7/2/2024 08:58:12	0.900	0.850	3.350
7/1/2024 14:16:19	1.450	0.500	5.050
7/1/2024 10:01:10	1.450	0.850	3.900
6/28/2024 08:25:22	1.100	1.350	4.300
6/27/2024 08:34:14	1.350	0.900	6.000
6/27/2024 08:11:22	0.850	0.700	4.400
6/26/2024 07:54:24	0.650	0.400	2.750
6/25/2024 09:02:17	0.900	0.650	4.200
6/24/2024 09:30:27	1.250	1.100	4.150
6/21/2024 08:55:34	1.150	0.700	6.200
6/21/2024 08:22:44	1.050	0.900	3.250
6/20/2024 09:00:43	1.300	0.700	2.750
6/19/2024 07:51:31	1.500	1.400	4.900
6/18/2024 07:52:20	1.850	1.000	4.300
6/17/2024 08:58:45	1.000	0.450	2.900
6/14/2024 08:44:27	1.200	0.450	4.150
6/13/2024 08:42:30	1.100	0.850	4.800
6/12/2024 09:03:47	1.200	0.400	3.350
6/11/2024 08:44:40	1.650	0.700	3.950
6/10/2024 09:31:51	1.550	0.750	4.350
6/10/2024 09:17:04	1.250	0.450	3.800
6/10/2024 09:10:07	1.400	0.600	3.500
6/7/2024 09:02:38	1.400	0.350	3.300
6/6/2024 15:20:20	1.150	0.400	2.650
6/6/2024 05:03:01	1.500	1.100	4.650
6/6/2024 04:59:28	1.300	0.900	3.750
6/5/2024 08:30:26	1.800	1.350	4.050
6/4/2024 08:52:51	0.650	0.500	3.850
6/4/2024 08:39:35	0.850	0.500	3.450
6/4/2024 08:33:37	0.950	0.800	4.400
6/3/2024 10:10:17	1.000	0.500	3.100
6/3/2024 09:51:43	2.050	0.850	4.950
6/3/2024 09:44:54	1.500	0.500	5.150
6/3/2024 09:30:49	1.100	0.350	3.050
5/31/2024 08:42:32	1.350	0.900	5.150
5/30/2024 09:08:46	1.000	0.550	4.300
5/29/2024 09:04:40	1.150	0.750	4.750
5/29/2024 08:48:40	0.700	0.550	2.700

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
5/29/2024 08:44:08	1.150	0.400	3.600
5/28/2024 09:34:37	1.000	0.450	3.150
5/24/2024 07:20:01	1.250	1.100	4.200
5/23/2024 10:25:13	0.900	0.900	5.100
5/22/2024 09:45:06	1.050	0.750	5.250
5/21/2024 09:06:58	1.400	1.100	5.050
5/21/2024 08:01:17	1.150	0.950	4.950
5/20/2024 17:22:27	0.900	0.750	3.800
5/20/2024 17:18:56	1.050	1.050	3.750
5/20/2024 09:20:56	0.450	0.650	3.250
5/17/2024 09:12:39	1.050	0.700	4.800
5/16/2024 08:56:23	0.900	0.750	3.850
5/15/2024 09:38:13	0.750	0.600	4.050
5/15/2024 09:21:01	0.900	0.250	3.400
5/14/2024 09:41:16	0.900	0.350	3.050
5/14/2024 09:04:40	0.600	0.350	2.100
5/13/2024 09:04:44	0.950	0.900	3.450
5/10/2024 08:57:17	0.900	0.550	5.000
5/9/2024 09:06:46	1.100	0.900	5.050
5/9/2024 08:50:21	1.150	0.700	4.800
5/9/2024 08:44:20	1.000	1.000	5.300
5/8/2024 09:39:10	1.300	0.600	3.200
5/7/2024 17:05:39	1.150	0.700	4.850
5/7/2024 16:48:43	1.050	0.800	3.600
5/7/2024 09:19:24	1.000	0.800	3.750
5/6/2024 09:15:59	0.750	0.750	4.350
5/6/2024 09:03:10	0.850	0.700	4.500
5/3/2024 09:11:06	1.150	0.500	3.350
5/2/2024 09:48:24	0.800	0.800	2.450
5/1/2024 09:22:54	1.300	0.700	5.450
4/30/2024 10:43:56	1.000	1.250	5.000
4/30/2024 08:17:01	1.150	0.950	4.100
4/29/2024 09:10:57	1.550	0.750	5.050
4/29/2024 08:57:45	1.550	0.850	5.850
4/26/2024 08:09:31	1.300	0.750	5.850
4/25/2024 09:37:51	1.250	1.000	4.100
4/24/2024 09:17:24	1.600	1.450	5.400
4/23/2024 22:46:11	1.250	1.150	5.750
4/23/2024 09:01:59	0.700	0.550	4.900
4/22/2024 10:16:34	1.000	0.650	4.100
4/19/2024 10:59:00	1.050	1.050	5.250

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
4/19/2024 10:07:48	2.150	1.700	8.800
4/19/2024 09:10:32	0.600	0.600	1.050
4/18/2024 09:24:23	0.850	0.800	2.900
4/17/2024 17:03:53	1.350	0.800	4.300
4/17/2024 16:22:27	1.150	1.000	4.600
4/17/2024 09:09:54	0.800	0.750	2.300
4/16/2024 09:06:44	1.150	1.300	4.500
4/15/2024 09:14:49	1.200	1.150	5.300
4/12/2024 08:28:21	1.050	0.850	4.250
4/11/2024 08:35:01	0.900	0.700	4.650
4/10/2024 09:48:58	0.550	1.000	3.500
4/9/2024 08:56:49	0.700	0.700	3.500
4/8/2024 09:25:48	0.950	0.800	4.150
4/5/2024 08:28:47	1.450	0.700	5.100
4/4/2024 11:00:01	1.700	0.650	4.750
4/4/2024 10:45:12	1.100	0.750	3.200
4/3/2024 08:29:42	0.950	0.900	5.550
4/2/2024 09:43:44	0.800	0.750	2.500
4/1/2024 09:27:15	1.200	1.300	3.650
3/29/2024 08:53:28	1.250	0.900	3.350
3/28/2024 09:08:20	0.800	0.850	3.950
3/27/2024 16:48:32	1.250	1.100	4.700
3/27/2024 10:07:18	1.650	0.750	3.600
3/27/2024 08:49:30	1.700	0.600	4.200
3/26/2024 10:28:06	1.450	0.550	4.000
3/25/2024 10:10:30	1.150	0.650	4.800
3/22/2024 09:00:45	0.750	0.750	4.000
3/21/2024 08:44:31	0.900	0.450	4.000
3/20/2024 09:03:42	1.350	0.650	2.950
3/19/2024 13:23:15	1.250	0.750	3.650
3/19/2024 09:31:32	0.950	0.500	3.450
3/18/2024 10:47:35	1.150	0.550	3.550
3/15/2024 09:19:25	1.700	1.000	5.050
3/14/2024 09:13:05	1.100	0.750	4.050
3/13/2024 09:22:30	1.700	0.850	3.850
3/12/2024 09:10:39	0.850	0.700	3.750
3/11/2024 11:07:32	1.650	0.850	4.300
3/11/2024 09:31:05	1.450	0.850	4.850
3/11/2024 09:27:33	1.950	0.500	4.700
3/8/2024 08:29:13	1.800	0.650	4.350
3/7/2024 17:46:09	1.250	1.050	4.550

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
3/7/2024 13:19:13	0.950	0.650	4.750
3/7/2024 09:28:32	2.150	1.000	4.900
3/7/2024 09:11:32	1.200	0.600	3.500
3/7/2024 09:01:08	1.250	0.700	4.350
3/6/2024 10:19:40	1.600	0.500	4.550
3/5/2024 10:15:16	45.151	868.764	0.250
3/5/2024 10:09:01	0.450	0.100	0.150
3/4/2024 11:41:00	1.650	1.000	4.400
3/4/2024 11:28:21	1.900	1.700	7.550
3/1/2024 08:43:28	1.850	1.100	5.400
2/29/2024 10:38:23	1.350	0.800	4.500
2/29/2024 10:00:25	0.850	0.450	1.150
2/29/2024 09:54:15	0.900	0.350	1.300
2/28/2024 09:32:01	1.250	0.700	3.350
2/27/2024 09:16:47	1.000	0.700	3.200
2/26/2024 10:30:35	1.750	0.700	5.350
2/26/2024 10:00:21	2.150	0.700	5.850
2/23/2024 09:07:38	1.300	0.550	3.600
2/22/2024 08:58:48	1.150	0.850	4.300
2/21/2024 09:51:13	1.000	0.650	3.750
2/20/2024 09:59:52	1.100	1.250	3.900
2/19/2024 11:30:32	1.150	0.400	3.700
2/19/2024 11:27:00	1.800	0.500	3.150
2/19/2024 10:16:07	1.100	0.750	4.100
2/16/2024 10:28:26	1.650	0.950	5.150
2/15/2024 09:20:58	1.850	0.850	5.350
2/14/2024 09:20:12	2.050	1.150	5.600
2/13/2024 10:44:41	1.700	1.150	5.800
2/13/2024 10:29:18	1.550	0.800	2.700
2/12/2024 11:24:46	1.300	0.400	3.900
2/12/2024 11:09:08	0.150	0.150	0.350
2/12/2024 10:33:45	0.450	2.300	0.100
2/12/2024 10:19:52	1.550	0.400	1.250
2/12/2024 10:03:02	0.150	0.050	0.200
2/9/2024 09:43:26	1.600	0.400	3.200
2/8/2024 09:41:08	1.600	0.800	3.200
2/7/2024 09:08:34	1.200	0.550	3.550
2/6/2024 10:08:14	1.650	1.550	4.100
2/5/2024 16:27:35	1.100	0.550	3.400
2/2/2024 09:52:22	1.250	0.600	5.350
2/1/2024 09:29:20	1.000	0.550	5.000

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/31/2024 11:01:25	1.300	0.650	4.650
1/31/2024 10:56:52	1.200	0.800	5.700
1/30/2024 09:04:33	0.900	0.650	5.400
1/29/2024 09:09:33	1.100	0.650	4.000
1/26/2024 10:08:59	1.450	1.050	5.000
1/25/2024 09:54:25	1.350	0.850	3.950
1/24/2024 08:52:40	1.300	0.900	3.900
1/23/2024 11:08:41	1.000	0.900	3.450
1/22/2024 09:17:23	1.300	0.800	5.500
1/22/2024 09:06:26	1.750	0.650	4.050
1/19/2024 09:01:45	1.750	1.000	4.000
1/18/2024 10:29:20	1.250	0.650	3.600
1/17/2024 08:52:45	1.550	0.650	4.250
1/16/2024 14:09:54	1.450	0.650	4.150
1/16/2024 13:58:35	1.450	0.800	3.350
1/16/2024 13:45:11	1.050	0.600	3.600
1/15/2024 13:03:28	0.750	0.200	0.700
1/15/2024 10:46:25	0.800	0.100	0.400
1/15/2024 10:34:05	0.800	0.100	0.750
1/15/2024 10:25:28	1.350	0.150	0.800
1/15/2024 09:48:32	0.950	0.250	0.450
1/15/2024 09:32:45	1.050	0.350	0.600
1/11/2024 14:10:39	0.900	0.150	0.200
1/11/2024 14:00:32	0.700	0.050	0.250
1/11/2024 13:07:14	0.600	0.150	0.250
1/11/2024 12:18:32	0.550	0.050	0.400
1/11/2024 10:36:51	0.450	0.100	0.250
1/11/2024 10:28:26	0.550	0.050	0.200
1/11/2024 09:11:58	0.300	0.150	0.500
1/11/2024 09:02:27	0.700	0.200	0.500
1/11/2024 08:54:00	0.450	0.100	0.600
1/10/2024 09:10:40	1.400	1.000	4.400
1/9/2024 12:58:05	2.000	0.800	4.900
1/9/2024 12:49:35	1.200	0.450	1.750
1/9/2024 12:37:33	0.000	0.050	0.200
1/9/2024 12:22:55	0.050	0.050	0.000
1/9/2024 12:00:03	0.000	0.050	0.100
1/9/2024 11:54:42	0.000	0.000	0.050
1/9/2024 11:45:17	0.100	0.000	0.050
1/9/2024 11:40:53	0.050	0.000	0.050
1/9/2024 11:25:08	0.450	0.050	0.200

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
1/9/2024 11:20:04	0.250	0.100	0.200
1/8/2024 13:49:37	0.950	0.550	2.650
1/8/2024 12:34:48	0.350	0.150	0.600
1/8/2024 12:30:18	0.250	0.300	0.450
1/5/2024 09:35:49	1.250	0.450	3.900
1/4/2024 09:13:21	1.100	0.750	4.350
1/4/2024 09:00:57	1.400	0.450	2.950
1/3/2024 08:46:17	1.250	0.600	3.200
1/2/2024 11:16:48	1.350	0.300	2.800
1/2/2024 10:38:17	1.250	0.800	2.900
12/29/2023 10:12:49	0.850	0.500	3.100
12/28/2023 08:59:35	1.000	0.800	3.550
12/27/2023 12:20:02	1.000	0.600	3.150
12/27/2023 11:34:32	0.800	0.650	3.450
12/27/2023 10:51:04	1.000	0.800	3.000
12/27/2023 10:41:08	1.200	0.400	3.400
12/27/2023 10:33:50	1.500	0.650	3.500
12/27/2023 10:28:28	0.950	0.600	3.300
12/22/2023 07:49:52	0.850	0.450	2.400
12/21/2023 08:44:43	1.050	0.450	2.150
12/20/2023 09:26:41	0.600	0.350	3.500
12/19/2023 09:55:37	1.150	0.550	2.600
12/18/2023 10:16:18	0.700	0.400	2.100
12/18/2023 10:06:38	0.900	0.150	2.400
12/18/2023 10:00:26	1.150	0.200	2.950
12/15/2023 09:45:55	1.000	0.800	3.050
12/14/2023 10:23:15	0.350	0.850	2.950
12/13/2023 10:17:40	0.650	0.250	2.800
12/12/2023 09:56:00	0.950	0.600	2.700
12/11/2023 10:31:48	1.350	0.200	2.550
12/8/2023 10:10:39	0.950	0.600	3.250
12/7/2023 09:51:50	0.850	0.300	2.550
12/6/2023 10:12:37	1.050	0.750	3.550
12/5/2023 10:02:14	0.600	0.450	1.750
12/4/2023 12:08:53	0.600	0.300	2.500
12/4/2023 11:24:17	0.350	0.200	1.300
12/4/2023 11:20:06	0.500	0.250	0.850
12/4/2023 11:16:06	0.150	0.500	1.150
12/4/2023 10:23:39	0.300	0.150	1.400
12/4/2023 10:16:55	0.300	0.350	0.950
12/4/2023 10:09:27	0.400	0.300	1.100

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
12/1/2023 09:45:19	0.550	0.500	1.500
11/30/2023 11:48:17	0.450	0.350	1.950
11/30/2023 11:13:01	0.450	0.100	1.200
11/30/2023 11:05:44	0.500	0.050	1.150
11/30/2023 10:33:46	0.150	0.200	0.700
11/29/2023 10:04:26	0.850	0.450	2.200
11/29/2023 09:51:22	0.750	0.300	2.400
11/28/2023 12:50:37	1.000	0.550	2.650
11/28/2023 12:18:55	0.800	0.700	3.500
11/28/2023 12:15:04	0.500	0.450	3.050
11/28/2023 11:49:24	0.900	0.450	3.200
11/28/2023 10:22:53	0.650	0.350	1.800
11/28/2023 10:19:03	0.550	0.400	1.950
11/28/2023 10:15:20	0.200	0.200	1.650
11/28/2023 09:59:37	0.250	0.200	1.500
11/27/2023 10:28:48	0.300	0.200	1.850
11/27/2023 10:07:16	0.300	0.100	1.500
11/27/2023 10:01:25	0.500	0.150	1.150
11/27/2023 09:52:06	0.500	0.150	1.250
11/22/2023 09:50:47	0.500	0.300	1.700
11/21/2023 09:52:05	0.650	0.250	1.200
11/20/2023 09:38:08	0.200	0.350	1.450
11/17/2023 10:07:38	0.250	0.100	2.450
11/16/2023 09:42:56	0.350	0.350	2.750
11/15/2023 13:01:45	0.550	0.100	1.700
11/15/2023 12:33:52	0.350	0.250	0.900
11/15/2023 12:27:35	0.150	0.250	1.300
11/15/2023 12:17:35	0.400	0.200	0.900
11/15/2023 12:09:42	0.450	0.150	1.350
11/15/2023 10:39:09	0.200	0.100	1.150
11/14/2023 10:25:03	1.600	0.750	4.550
11/13/2023 09:42:07	1.000	0.350	3.300
11/10/2023 09:15:37	0.950	0.650	3.000
11/9/2023 09:55:52	0.850	0.450	2.800
11/8/2023 09:55:56	1.100	0.450	3.550
11/7/2023 10:07:52	1.150	0.800	3.850
11/7/2023 10:01:12	0.750	0.350	2.550
11/7/2023 09:55:11	1.000	0.350	3.150
11/6/2023 10:21:52	1.450	0.800	3.700
11/3/2023 09:44:39	1.250	0.600	4.000
11/2/2023 09:56:11	1.350	0.500	3.200

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
11/1/2023 09:41:33	1.550	0.700	4.000

Tune Parameters

Created Date	Extract 1	Extract 2	Omega Bias
5/15/2025 09:31:46	0.0 V	-200.0 V	-80 V
5/14/2025 09:06:50	0.0 V	-200.0 V	-80 V
5/13/2025 09:36:14	0.0 V	-200.0 V	-90 V
5/13/2025 09:30:51	0.0 V	-200.0 V	-90 V
5/13/2025 09:25:57	0.0 V	-200.0 V	-90 V
5/12/2025 09:03:04	0.0 V	-200.0 V	-90 V
5/9/2025 09:26:54	0.0 V	-200.0 V	-80 V
5/8/2025 09:05:47	0.0 V	-195.0 V	-90 V
5/7/2025 11:37:29	0.0 V	-190.0 V	-80 V
5/7/2025 09:39:52	0.0 V	-200.0 V	-80 V
5/7/2025 09:19:05	0.0 V	-200.0 V	-80 V
5/7/2025 09:09:48	0.0 V	-200.0 V	-80 V
5/6/2025 08:43:43	0.0 V	-200.0 V	-100 V
5/5/2025 09:20:07	0.0 V	-190.0 V	-80 V
5/5/2025 09:14:51	0.0 V	-190.0 V	-80 V
5/2/2025 08:57:59	0.0 V	-200.0 V	-90 V
5/1/2025 12:36:57	0.0 V	-200.0 V	-90 V
5/1/2025 09:14:21	0.0 V	-200.0 V	-80 V
4/30/2025 09:02:04	0.0 V	-200.0 V	-80 V
4/29/2025 10:07:50	0.0 V	-200.0 V	-110 V
4/29/2025 09:52:25	0.0 V	-185.0 V	-80 V
4/29/2025 09:45:51	0.0 V	-185.0 V	-80 V
4/28/2025 09:08:18	0.0 V	-200.0 V	-80 V
4/25/2025 09:08:03	0.0 V	-200.0 V	-90 V
4/24/2025 10:56:02	0.0 V	-200.0 V	-90 V
4/24/2025 09:11:17	0.0 V	-200.0 V	-90 V
4/23/2025 09:08:22	0.0 V	-200.0 V	-90 V
4/22/2025 08:59:32	0.0 V	-200.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
4/21/2025 09:23:13	0.0 V	-200.0 V	-90 V
4/21/2025 08:46:47	0.0 V	-200.0 V	-90 V
4/18/2025 09:04:01	0.0 V	-200.0 V	-90 V
4/17/2025 09:05:25	0.0 V	-200.0 V	-80 V
4/16/2025 08:44:21	0.0 V	-200.0 V	-80 V
4/15/2025 08:11:34	0.0 V	-200.0 V	-80 V
4/14/2025 09:02:31	0.0 V	-200.0 V	-80 V
4/11/2025 09:30:06	0.0 V	-195.0 V	-80 V
4/11/2025 09:14:04	0.0 V	-185.0 V	-90 V
4/11/2025 09:09:32	0.0 V	-185.0 V	-90 V
4/10/2025 11:04:39	0.0 V	-200.0 V	-80 V
4/10/2025 10:55:23	0.0 V	-195.0 V	-90 V
4/10/2025 09:14:56	0.0 V	-195.0 V	-90 V
4/9/2025 07:26:27	0.0 V	-200.0 V	-80 V
4/8/2025 09:15:27	0.0 V	-200.0 V	-80 V
4/7/2025 08:14:25	0.0 V	-200.0 V	-80 V
4/4/2025 10:20:02	0.0 V	-195.0 V	-80 V
4/4/2025 07:19:40	0.0 V	-190.0 V	-80 V
4/3/2025 09:18:00	0.0 V	-170.0 V	-70 V
4/2/2025 08:33:12	0.0 V	-200.0 V	-90 V
4/1/2025 08:53:08	0.0 V	-195.0 V	-80 V
3/31/2025 09:21:05	0.0 V	-200.0 V	-80 V
3/28/2025 07:55:38	0.0 V	-200.0 V	-90 V
3/27/2025 10:27:19	0.0 V	-200.0 V	-90 V
3/27/2025 08:53:37	0.0 V	-200.0 V	-90 V
3/26/2025 09:24:07	0.0 V	-200.0 V	-90 V
3/26/2025 08:18:43	0.0 V	-200.0 V	-90 V
3/25/2025 08:30:57	0.0 V	-200.0 V	-90 V
3/25/2025 08:05:04	0.0 V	-200.0 V	-90 V
3/24/2025 08:31:10	0.0 V	-200.0 V	-90 V
3/21/2025 13:13:03	0.0 V	-195.0 V	-90 V
3/21/2025 12:18:37	0.0 V	-200.0 V	-100 V
3/21/2025 10:25:39	0.0 V	-200.0 V	-90 V
3/21/2025 10:10:55	0.0 V	-200.0 V	-90 V
3/21/2025 09:13:59	0.0 V	-200.0 V	-110 V
3/21/2025 09:06:40	0.0 V	-200.0 V	-110 V
3/21/2025 08:55:34	0.0 V	-200.0 V	-100 V
3/21/2025 08:32:15	0.0 V	-200.0 V	-100 V
3/20/2025 07:54:04	0.0 V	-200.0 V	-100 V
3/19/2025 10:24:55	0.0 V	-200.0 V	-100 V
3/18/2025 08:52:25	0.0 V	-195.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
3/17/2025 09:15:37	0.0 V	-200.0 V	-90 V
3/14/2025 08:44:33	0.0 V	-200.0 V	-90 V
3/13/2025 09:07:05	0.0 V	-200.0 V	-90 V
3/12/2025 09:32:24	0.0 V	-200.0 V	-90 V
3/11/2025 09:35:46	0.0 V	-200.0 V	-90 V
3/11/2025 09:28:10	0.0 V	-200.0 V	-90 V
3/11/2025 09:23:27	0.0 V	-200.0 V	-90 V
3/10/2025 09:21:42	0.0 V	-195.0 V	-90 V
3/7/2025 10:49:58	0.0 V	-200.0 V	-90 V
3/7/2025 09:25:42	0.0 V	-200.0 V	-90 V
3/6/2025 08:47:21	0.0 V	-195.0 V	-100 V
3/5/2025 11:49:15	0.0 V	-200.0 V	-90 V
3/5/2025 11:37:32	0.0 V	-200.0 V	-90 V
3/5/2025 11:27:25	0.0 V	-200.0 V	-90 V
3/5/2025 09:11:59	0.0 V	-200.0 V	-80 V
3/4/2025 09:46:13	0.0 V	-200.0 V	-100 V
3/3/2025 09:10:03	0.0 V	-200.0 V	-100 V
2/28/2025 12:48:47	0.0 V	-200.0 V	-90 V
2/28/2025 09:32:09	0.0 V	-200.0 V	-90 V
2/27/2025 09:27:48	0.0 V	-200.0 V	-90 V
2/27/2025 08:44:03	0.0 V	-200.0 V	-90 V
2/26/2025 09:05:54	0.0 V	-200.0 V	-80 V
2/25/2025 09:32:16	0.0 V	-200.0 V	-90 V
2/24/2025 08:59:48	0.0 V	-200.0 V	-90 V
2/21/2025 09:28:39	0.0 V	-200.0 V	-100 V
2/21/2025 09:20:37	0.0 V	-170.0 V	-80 V
2/20/2025 12:51:01	0.0 V	-200.0 V	-90 V
2/20/2025 09:19:24	0.0 V	-195.0 V	-110 V
2/19/2025 09:22:52	0.0 V	-200.0 V	-110 V
2/19/2025 09:04:54	0.0 V	-185.0 V	-110 V
2/18/2025 09:15:33	0.0 V	-190.0 V	-110 V
2/17/2025 09:55:54	0.0 V	-185.0 V	-110 V
2/14/2025 09:06:42	0.0 V	-190.0 V	-110 V
2/13/2025 09:06:19	0.0 V	-190.0 V	-110 V
2/12/2025 09:11:47	0.0 V	-185.0 V	-110 V
2/11/2025 09:24:44	0.0 V	-185.0 V	-110 V
2/10/2025 09:25:20	0.0 V	-180.0 V	-110 V
2/7/2025 09:21:57	0.0 V	-190.0 V	-100 V
2/6/2025 13:15:34	0.0 V	-195.0 V	-100 V
2/6/2025 09:18:48	0.0 V	-200.0 V	-90 V
2/5/2025 10:18:25	0.0 V	-200.0 V	-110 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
2/5/2025 09:31:26	0.0 V	-200.0 V	-100 V
2/4/2025 09:10:01	0.0 V	-200.0 V	-110 V
2/3/2025 10:57:55	0.0 V	-195.0 V	-110 V
2/3/2025 09:46:21	0.0 V	-190.0 V	-110 V
1/31/2025 13:24:01	0.0 V	-195.0 V	-110 V
1/31/2025 12:15:33	0.0 V	-200.0 V	-100 V
1/31/2025 11:41:22	0.0 V	-200.0 V	-90 V
1/31/2025 11:25:27	0.0 V	-170.0 V	-110 V
1/31/2025 10:55:25	0.0 V	-140.0 V	-70 V
1/31/2025 08:50:57	0.0 V	-180.0 V	-90 V
1/30/2025 09:05:36	0.0 V	-190.0 V	-90 V
1/30/2025 08:35:38	0.0 V	-200.0 V	-90 V
1/30/2025 08:04:37	0.0 V	-200.0 V	-90 V
1/29/2025 10:06:45	0.0 V	-200.0 V	-110 V
1/28/2025 09:55:51	0.0 V	-200.0 V	-110 V
1/27/2025 08:25:00	0.0 V	-200.0 V	-100 V
1/24/2025 10:20:31	0.0 V	-200.0 V	-110 V
1/23/2025 08:29:42	0.0 V	-190.0 V	-120 V
1/22/2025 08:50:52	0.0 V	-195.0 V	-110 V
1/21/2025 08:39:26	0.0 V	-200.0 V	-110 V
1/20/2025 09:29:22	0.0 V	-200.0 V	-110 V
1/17/2025 09:22:21	0.0 V	-195.0 V	-120 V
1/16/2025 09:06:18	0.0 V	-190.0 V	-120 V
1/15/2025 10:11:23	0.0 V	-175.0 V	-110 V
1/14/2025 08:44:58	0.0 V	-190.0 V	-90 V
1/13/2025 08:22:52	0.0 V	-185.0 V	-100 V
1/10/2025 08:58:48	0.0 V	-195.0 V	-100 V
1/9/2025 08:55:30	0.0 V	-195.0 V	-110 V
1/8/2025 11:02:55	0.0 V	-200.0 V	-110 V
1/7/2025 08:57:51	0.0 V	-195.0 V	-120 V
1/6/2025 09:05:42	0.0 V	-200.0 V	-110 V
1/3/2025 08:51:46	0.0 V	-195.0 V	-120 V
1/2/2025 09:10:35	0.0 V	-190.0 V	-110 V
12/31/2024 08:51:35	0.0 V	-200.0 V	-110 V
12/30/2024 08:28:40	0.0 V	-175.0 V	-110 V
12/27/2024 08:18:16	0.0 V	-155.0 V	-80 V
12/26/2024 08:44:40	0.0 V	-165.0 V	-90 V
12/23/2024 08:06:00	0.0 V	-180.0 V	-100 V
12/20/2024 08:54:14	0.0 V	-190.0 V	-100 V
12/19/2024 09:15:38	0.0 V	-190.0 V	-100 V
12/18/2024 13:25:48	0.0 V	-195.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
12/18/2024 09:44:44	0.0 V	-185.0 V	-110 V
12/17/2024 18:43:32	0.0 V	-195.0 V	-110 V
12/17/2024 09:21:23	0.0 V	-195.0 V	-110 V
12/16/2024 09:07:17	0.0 V	-180.0 V	-110 V
12/13/2024 09:34:40	0.0 V	-200.0 V	-110 V
12/12/2024 10:16:55	0.0 V	-200.0 V	-120 V
12/11/2024 08:42:50	0.0 V	-195.0 V	-110 V
12/10/2024 08:46:49	0.0 V	-195.0 V	-110 V
12/9/2024 13:01:13	0.0 V	-180.0 V	-100 V
12/9/2024 10:36:11	0.0 V	-200.0 V	-120 V
12/9/2024 10:28:15	0.0 V	-180.0 V	-110 V
12/9/2024 10:22:08	0.0 V	-180.0 V	-110 V
12/6/2024 08:11:53	0.0 V	-190.0 V	-90 V
12/5/2024 07:45:15	0.0 V	-195.0 V	-100 V
12/4/2024 08:35:28	0.0 V	-195.0 V	-100 V
12/3/2024 09:38:46	0.0 V	-195.0 V	-100 V
12/3/2024 09:10:25	0.0 V	-195.0 V	-100 V
12/2/2024 09:48:14	0.0 V	-200.0 V	-110 V
11/27/2024 09:18:02	0.0 V	-190.0 V	-110 V
11/27/2024 08:40:33	0.0 V	-185.0 V	-110 V
11/26/2024 07:52:41	0.0 V	-185.0 V	-110 V
11/25/2024 10:52:38	0.0 V	-170.0 V	-110 V
11/25/2024 08:43:09	0.0 V	-190.0 V	-110 V
11/25/2024 08:31:48	0.0 V	-195.0 V	-110 V
11/22/2024 06:29:21	0.0 V	-180.0 V	-110 V
11/21/2024 10:07:26	0.0 V	-185.0 V	-110 V
11/21/2024 09:58:26	0.0 V	-170.0 V	-110 V
11/21/2024 09:53:21	0.0 V	-170.0 V	-110 V
11/20/2024 08:50:13	0.0 V	-180.0 V	-90 V
11/19/2024 09:07:39	0.0 V	-190.0 V	-90 V
11/18/2024 09:11:09	0.0 V	-195.0 V	-100 V
11/15/2024 09:02:37	0.0 V	-200.0 V	-110 V
11/14/2024 09:56:47	0.0 V	-185.0 V	-100 V
11/14/2024 09:44:41	0.0 V	-190.0 V	-100 V
11/14/2024 09:39:59	0.0 V	-190.0 V	-100 V
11/14/2024 09:21:41	0.0 V	-200.0 V	-100 V
11/14/2024 09:16:53	0.0 V	-200.0 V	-100 V
11/13/2024 10:17:19	0.0 V	-185.0 V	-100 V
11/12/2024 08:42:23	0.0 V	-195.0 V	-100 V
11/12/2024 08:34:20	0.0 V	-200.0 V	-120 V
11/11/2024 09:46:29	0.0 V	-185.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
11/11/2024 09:31:26	0.0 V	-190.0 V	-100 V
11/11/2024 09:09:19	0.0 V	-190.0 V	-100 V
11/8/2024 09:40:41	0.0 V	-170.0 V	-100 V
11/7/2024 12:08:43	0.0 V	-155.0 V	-90 V
11/7/2024 12:03:35	0.0 V	-155.0 V	-90 V
11/7/2024 11:08:15	0.0 V	-160.0 V	-90 V
11/7/2024 10:32:04	0.0 V	-140.0 V	-80 V
11/7/2024 10:13:44	0.0 V	-140.0 V	-70 V
11/7/2024 09:49:05	0.0 V	-175.0 V	-100 V
11/6/2024 08:55:41	0.0 V	-200.0 V	-100 V
11/5/2024 09:02:15	0.0 V	-200.0 V	-100 V
11/4/2024 09:59:50	0.0 V	-200.0 V	-100 V
11/4/2024 09:42:34	0.0 V	-200.0 V	-100 V
11/4/2024 09:13:54	0.0 V	-185.0 V	-100 V
11/1/2024 08:59:46	0.0 V	-180.0 V	-90 V
10/31/2024 09:14:27	0.0 V	-195.0 V	-90 V
10/30/2024 16:33:14	0.0 V	-200.0 V	-100 V
10/30/2024 11:25:36	0.0 V	-200.0 V	-110 V
10/30/2024 10:54:46	0.0 V	-195.0 V	-110 V
10/30/2024 09:09:15	0.0 V	-185.0 V	-110 V
10/29/2024 11:26:39	0.0 V	-200.0 V	-100 V
10/29/2024 10:54:54	0.0 V	-200.0 V	-110 V
10/29/2024 09:36:05	0.0 V	-195.0 V	-110 V
10/29/2024 09:04:30	0.0 V	-190.0 V	-110 V
10/28/2024 12:26:28	0.0 V	-195.0 V	-100 V
10/28/2024 09:57:52	0.0 V	-180.0 V	-90 V
10/25/2024 13:22:08	0.0 V	-185.0 V	-100 V
10/25/2024 13:09:08	0.0 V	-175.0 V	-100 V
10/25/2024 10:35:56	0.0 V	-165.0 V	-70 V
10/25/2024 09:26:45	0.0 V	-145.0 V	-70 V
10/25/2024 09:03:40	0.0 V	-140.0 V	-70 V
10/24/2024 17:10:08	0.0 V	-185.0 V	-90 V
10/24/2024 11:19:48	0.0 V	-200.0 V	-90 V
10/24/2024 08:53:34	0.0 V	-200.0 V	-90 V
10/23/2024 08:59:04	0.0 V	-195.0 V	-90 V
10/22/2024 09:55:36	0.0 V	-185.0 V	-90 V
10/21/2024 09:31:04	0.0 V	-180.0 V	-90 V
10/18/2024 09:37:11	0.0 V	-200.0 V	-90 V
10/17/2024 09:00:58	0.0 V	-195.0 V	-80 V
10/16/2024 11:21:27	0.0 V	-195.0 V	-90 V
10/16/2024 09:02:59	0.0 V	-200.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
10/15/2024 10:12:35	0.0 V	-175.0 V	-80 V
10/14/2024 08:46:09	0.0 V	-185.0 V	-80 V
10/11/2024 08:49:47	0.0 V	-190.0 V	-80 V
10/10/2024 08:52:01	0.0 V	-190.0 V	-80 V
10/9/2024 08:27:16	0.0 V	-195.0 V	-80 V
10/8/2024 10:52:55	0.0 V	-195.0 V	-80 V
10/8/2024 09:47:42	0.0 V	-170.0 V	-80 V
10/7/2024 10:47:10	0.0 V	-185.0 V	-80 V
10/7/2024 09:10:56	0.0 V	-180.0 V	-80 V
10/7/2024 08:55:15	0.0 V	-180.0 V	-80 V
10/4/2024 09:16:15	0.0 V	-190.0 V	-90 V
10/3/2024 09:27:44	0.0 V	-195.0 V	-80 V
10/3/2024 08:49:43	0.0 V	-195.0 V	-90 V
10/3/2024 08:29:02	0.0 V	-180.0 V	-80 V
10/2/2024 11:08:13	0.0 V	-200.0 V	-80 V
10/2/2024 08:39:41	0.0 V	-195.0 V	-90 V
10/1/2024 10:14:04	0.0 V	-175.0 V	-80 V
9/30/2024 08:49:31	0.0 V	-175.0 V	-80 V
9/27/2024 08:14:47	0.0 V	-200.0 V	-100 V
9/26/2024 08:09:12	0.0 V	-195.0 V	-90 V
9/25/2024 09:11:08	0.0 V	-200.0 V	-80 V
9/24/2024 09:35:48	0.0 V	-175.0 V	-80 V
9/23/2024 09:00:30	0.0 V	-180.0 V	-80 V
9/20/2024 09:05:28	0.0 V	-195.0 V	-80 V
9/19/2024 09:00:53	0.0 V	-195.0 V	-90 V
9/18/2024 11:34:33	0.0 V	-190.0 V	-80 V
9/18/2024 09:06:37	0.0 V	-185.0 V	-80 V
9/17/2024 12:16:40	0.0 V	-180.0 V	-80 V
9/17/2024 10:09:01	0.0 V	-170.0 V	-80 V
9/16/2024 09:06:13	0.0 V	-190.0 V	-80 V
9/13/2024 16:50:14	0.0 V	-200.0 V	-90 V
9/13/2024 08:54:29	0.0 V	-195.0 V	-80 V
9/12/2024 08:56:53	0.0 V	-190.0 V	-80 V
9/11/2024 09:06:29	0.0 V	-195.0 V	-80 V
9/10/2024 09:46:13	0.0 V	-165.0 V	-80 V
9/9/2024 08:47:13	0.0 V	-160.0 V	-70 V
9/9/2024 08:34:46	0.0 V	-155.0 V	-70 V
9/6/2024 08:58:38	0.0 V	-160.0 V	-70 V
9/5/2024 08:40:15	0.0 V	-165.0 V	-70 V
9/4/2024 08:38:45	0.0 V	-165.0 V	-70 V
9/3/2024 12:05:58	0.0 V	-170.0 V	-70 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
9/3/2024 11:05:58	0.0 V	-165.0 V	-70 V
9/3/2024 08:41:14	0.0 V	-200.0 V	-90 V
8/30/2024 08:41:51	0.0 V	-195.0 V	-90 V
8/29/2024 17:44:51	0.0 V	-190.0 V	-80 V
8/29/2024 10:01:21	0.0 V	-165.0 V	-80 V
8/28/2024 08:40:35	0.0 V	-185.0 V	-80 V
8/27/2024 08:32:46	0.0 V	-200.0 V	-80 V
8/26/2024 10:42:47	0.0 V	-185.0 V	-100 V
8/23/2024 09:05:16	0.0 V	-140.0 V	-70 V
8/22/2024 08:43:54	0.0 V	-160.0 V	-70 V
8/21/2024 08:04:13	0.0 V	-200.0 V	-80 V
8/20/2024 09:20:37	0.0 V	-190.0 V	-100 V
8/19/2024 10:25:21	0.0 V	-185.0 V	-80 V
8/19/2024 09:17:03	0.0 V	-165.0 V	-80 V
8/16/2024 08:56:38	0.0 V	-180.0 V	-80 V
8/15/2024 08:28:01	0.0 V	-165.0 V	-80 V
8/14/2024 08:24:41	0.0 V	-175.0 V	-80 V
8/13/2024 08:51:41	0.0 V	-185.0 V	-80 V
8/12/2024 09:10:43	0.0 V	-160.0 V	-80 V
8/12/2024 08:57:52	0.0 V	-180.0 V	-80 V
8/9/2024 11:39:50	0.0 V	-195.0 V	-90 V
8/9/2024 10:08:20	0.0 V	-195.0 V	-90 V
8/8/2024 08:40:39	0.0 V	-195.0 V	-90 V
8/7/2024 09:19:16	0.0 V	-195.0 V	-90 V
8/6/2024 11:12:44	0.0 V	-200.0 V	-80 V
8/6/2024 10:53:38	0.0 V	-200.0 V	-80 V
8/5/2024 10:40:17	0.0 V	-200.0 V	-80 V
8/5/2024 10:09:19	0.0 V	-200.0 V	-90 V
8/5/2024 09:55:23	0.0 V	-195.0 V	-90 V
8/2/2024 09:40:16	0.0 V	-190.0 V	-90 V
8/2/2024 08:37:48	0.0 V	-190.0 V	-90 V
8/1/2024 10:38:00	0.0 V	-180.0 V	-90 V
8/1/2024 09:06:45	0.0 V	-175.0 V	-90 V
7/31/2024 08:13:58	0.0 V	-185.0 V	-90 V
7/30/2024 08:50:51	0.0 V	-180.0 V	-90 V
7/29/2024 16:06:05	0.0 V	-190.0 V	-90 V
7/29/2024 12:07:28	0.0 V	-195.0 V	-90 V
7/29/2024 11:14:31	0.0 V	-195.0 V	-100 V
7/29/2024 10:15:21	0.0 V	-180.0 V	-90 V
7/26/2024 08:53:52	0.0 V	-190.0 V	-90 V
7/25/2024 09:09:23	0.0 V	-165.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
7/24/2024 15:10:09	0.0 V	-185.0 V	-90 V
7/24/2024 08:46:25	0.0 V	-180.0 V	-90 V
7/23/2024 09:32:54	0.0 V	-180.0 V	-90 V
7/22/2024 10:18:30	0.0 V	-185.0 V	-90 V
7/19/2024 08:55:06	0.0 V	-190.0 V	-90 V
7/18/2024 09:06:31	0.0 V	-175.0 V	-90 V
7/17/2024 13:03:52	0.0 V	-185.0 V	-90 V
7/17/2024 08:53:29	0.0 V	-185.0 V	-90 V
7/16/2024 08:54:03	0.0 V	-190.0 V	-90 V
7/15/2024 10:39:29	0.0 V	-195.0 V	-90 V
7/15/2024 10:30:38	0.0 V	-180.0 V	-90 V
7/15/2024 10:13:57	0.0 V	-180.0 V	-90 V
7/15/2024 09:02:48	0.0 V	-185.0 V	-90 V
7/12/2024 08:34:22	0.0 V	-175.0 V	-90 V
7/11/2024 09:57:22	0.0 V	-180.0 V	-80 V
7/10/2024 08:53:17	0.0 V	-150.0 V	-70 V
7/9/2024 11:54:06	0.0 V	-155.0 V	-70 V
7/9/2024 11:32:31	0.0 V	-155.0 V	-70 V
7/9/2024 11:26:38	0.0 V	-155.0 V	-70 V
7/9/2024 10:39:16	0.0 V	-155.0 V	-70 V
7/9/2024 09:17:46	0.0 V	-155.0 V	-70 V
7/9/2024 08:57:06	0.0 V	-140.0 V	-70 V
7/8/2024 09:21:55	0.0 V	-165.0 V	-80 V
7/8/2024 09:16:31	0.0 V	-160.0 V	-80 V
7/5/2024 09:03:10	0.0 V	-200.0 V	-90 V
7/3/2024 13:05:52	0.0 V	-195.0 V	-100 V
7/3/2024 11:25:40	0.0 V	-195.0 V	-90 V
7/3/2024 09:13:37	0.0 V	-195.0 V	-90 V
7/3/2024 08:44:49	0.0 V	-170.0 V	-90 V
7/2/2024 10:26:17	0.0 V	-170.0 V	-90 V
7/2/2024 08:58:12	0.0 V	-170.0 V	-90 V
7/1/2024 14:16:19	0.0 V	-190.0 V	-90 V
7/1/2024 10:01:10	0.0 V	-195.0 V	-90 V
6/28/2024 08:25:22	0.0 V	-195.0 V	-90 V
6/27/2024 08:34:14	0.0 V	-195.0 V	-90 V
6/27/2024 08:11:22	0.0 V	-175.0 V	-90 V
6/26/2024 07:54:24	0.0 V	-175.0 V	-90 V
6/25/2024 09:02:17	0.0 V	-190.0 V	-90 V
6/24/2024 09:30:27	0.0 V	-190.0 V	-90 V
6/21/2024 08:55:34	0.0 V	-200.0 V	-90 V
6/21/2024 08:22:44	0.0 V	-170.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
6/20/2024 09:00:43	0.0 V	-170.0 V	-90 V
6/19/2024 07:51:31	0.0 V	-175.0 V	-90 V
6/18/2024 07:52:20	0.0 V	-175.0 V	-90 V
6/17/2024 08:58:45	0.0 V	-175.0 V	-90 V
6/14/2024 08:44:27	0.0 V	-195.0 V	-90 V
6/13/2024 08:42:30	0.0 V	-200.0 V	-100 V
6/12/2024 09:03:47	0.0 V	-200.0 V	-100 V
6/11/2024 08:44:40	0.0 V	-185.0 V	-100 V
6/10/2024 09:31:51	0.0 V	-170.0 V	-90 V
6/10/2024 09:17:04	0.0 V	-165.0 V	-90 V
6/10/2024 09:10:07	0.0 V	-165.0 V	-90 V
6/7/2024 09:02:38	0.0 V	-165.0 V	-90 V
6/6/2024 15:20:20	0.0 V	-165.0 V	-90 V
6/6/2024 05:03:01	0.0 V	-190.0 V	-90 V
6/6/2024 04:59:28	0.0 V	-190.0 V	-90 V
6/5/2024 08:30:26	0.0 V	-190.0 V	-90 V
6/4/2024 08:52:51	0.0 V	-200.0 V	-90 V
6/4/2024 08:39:35	0.0 V	-200.0 V	-100 V
6/4/2024 08:33:37	0.0 V	-200.0 V	-100 V
6/3/2024 10:10:17	0.0 V	-200.0 V	-100 V
6/3/2024 09:51:43	0.0 V	-175.0 V	-100 V
6/3/2024 09:44:54	0.0 V	-175.0 V	-100 V
6/3/2024 09:30:49	0.0 V	-175.0 V	-100 V
5/31/2024 08:42:32	0.0 V	-200.0 V	-100 V
5/30/2024 09:08:46	0.0 V	-200.0 V	-100 V
5/29/2024 09:04:40	0.0 V	-200.0 V	-100 V
5/29/2024 08:48:40	0.0 V	-170.0 V	-80 V
5/29/2024 08:44:08	0.0 V	-170.0 V	-80 V
5/28/2024 09:34:37	0.0 V	-170.0 V	-80 V
5/24/2024 07:20:01	0.0 V	-200.0 V	-90 V
5/23/2024 10:25:13	0.0 V	-200.0 V	-90 V
5/22/2024 09:45:06	0.0 V	-200.0 V	-90 V
5/21/2024 09:06:58	0.0 V	-200.0 V	-90 V
5/21/2024 08:01:17	0.0 V	-200.0 V	-100 V
5/20/2024 17:22:27	0.0 V	-200.0 V	-100 V
5/20/2024 17:18:56	0.0 V	-200.0 V	-100 V
5/20/2024 09:20:56	0.0 V	-200.0 V	-100 V
5/17/2024 09:12:39	0.0 V	-200.0 V	-100 V
5/16/2024 08:56:23	0.0 V	-200.0 V	-100 V
5/15/2024 09:38:13	0.0 V	-200.0 V	-100 V
5/15/2024 09:21:01	0.0 V	-190.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
5/14/2024 09:41:16	0.0 V	-190.0 V	-90 V
5/14/2024 09:04:40	0.0 V	-190.0 V	-90 V
5/13/2024 09:04:44	0.0 V	-190.0 V	-90 V
5/10/2024 08:57:17	0.0 V	-190.0 V	-90 V
5/9/2024 09:06:46	0.0 V	-190.0 V	-90 V
5/9/2024 08:50:21	0.0 V	-190.0 V	-90 V
5/9/2024 08:44:20	0.0 V	-190.0 V	-90 V
5/8/2024 09:39:10	0.0 V	-190.0 V	-90 V
5/7/2024 17:05:39	0.0 V	-195.0 V	-100 V
5/7/2024 16:48:43	0.0 V	-195.0 V	-100 V
5/7/2024 09:19:24	0.0 V	-195.0 V	-100 V
5/6/2024 09:15:59	0.0 V	-195.0 V	-100 V
5/6/2024 09:03:10	0.0 V	-195.0 V	-100 V
5/3/2024 09:11:06	0.0 V	-195.0 V	-100 V
5/2/2024 09:48:24	0.0 V	-190.0 V	-100 V
5/1/2024 09:22:54	0.0 V	-185.0 V	-100 V
4/30/2024 10:43:56	0.0 V	-185.0 V	-100 V
4/30/2024 08:17:01	0.0 V	-185.0 V	-100 V
4/29/2024 09:10:57	0.0 V	-185.0 V	-100 V
4/29/2024 08:57:45	0.0 V	-185.0 V	-100 V
4/26/2024 08:09:31	0.0 V	-185.0 V	-100 V
4/25/2024 09:37:51	0.0 V	-185.0 V	-100 V
4/24/2024 09:17:24	0.0 V	-195.0 V	-100 V
4/23/2024 22:46:11	0.0 V	-195.0 V	-100 V
4/23/2024 09:01:59	0.0 V	-195.0 V	-100 V
4/22/2024 10:16:34	0.0 V	-195.0 V	-100 V
4/19/2024 10:59:00	0.0 V	-200.0 V	-100 V
4/19/2024 10:07:48	0.0 V	-200.0 V	-110 V
4/19/2024 09:10:32	0.0 V	-180.0 V	-100 V
4/18/2024 09:24:23	0.0 V	-180.0 V	-100 V
4/17/2024 17:03:53	0.0 V	-180.0 V	-100 V
4/17/2024 16:22:27	0.0 V	-180.0 V	-100 V
4/17/2024 09:09:54	0.0 V	-180.0 V	-100 V
4/16/2024 09:06:44	0.0 V	-200.0 V	-100 V
4/15/2024 09:14:49	0.0 V	-200.0 V	-100 V
4/12/2024 08:28:21	0.0 V	-200.0 V	-100 V
4/11/2024 08:35:01	0.0 V	-200.0 V	-100 V
4/10/2024 09:48:58	0.0 V	-195.0 V	-100 V
4/9/2024 08:56:49	0.0 V	-195.0 V	-100 V
4/8/2024 09:25:48	0.0 V	-195.0 V	-100 V
4/5/2024 08:28:47	0.0 V	-195.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
4/4/2024 11:00:01	0.0 V	-190.0 V	-90 V
4/4/2024 10:45:12	0.0 V	-200.0 V	-90 V
4/3/2024 08:29:42	0.0 V	-200.0 V	-90 V
4/2/2024 09:43:44	0.0 V	-195.0 V	-90 V
4/1/2024 09:27:15	0.0 V	-195.0 V	-90 V
3/29/2024 08:53:28	0.0 V	-195.0 V	-90 V
3/28/2024 09:08:20	0.0 V	-195.0 V	-90 V
3/27/2024 16:48:32	0.0 V	-195.0 V	-90 V
3/27/2024 10:07:18	0.0 V	-195.0 V	-90 V
3/27/2024 08:49:30	0.0 V	-195.0 V	-90 V
3/26/2024 10:28:06	0.0 V	-195.0 V	-90 V
3/25/2024 10:10:30	0.0 V	-200.0 V	-100 V
3/22/2024 09:00:45	0.0 V	-190.0 V	-100 V
3/21/2024 08:44:31	0.0 V	-190.0 V	-100 V
3/20/2024 09:03:42	0.0 V	-190.0 V	-100 V
3/19/2024 13:23:15	0.0 V	-190.0 V	-100 V
3/19/2024 09:31:32	0.0 V	-190.0 V	-100 V
3/18/2024 10:47:35	0.0 V	-190.0 V	-100 V
3/15/2024 09:19:25	0.0 V	-200.0 V	-90 V
3/14/2024 09:13:05	0.0 V	-200.0 V	-90 V
3/13/2024 09:22:30	0.0 V	-200.0 V	-90 V
3/12/2024 09:10:39	0.0 V	-200.0 V	-90 V
3/11/2024 11:07:32	0.0 V	-200.0 V	-90 V
3/11/2024 09:31:05	0.0 V	-195.0 V	-100 V
3/11/2024 09:27:33	0.0 V	-195.0 V	-100 V
3/8/2024 08:29:13	0.0 V	-200.0 V	-100 V
3/7/2024 17:46:09	0.0 V	-200.0 V	-100 V
3/7/2024 13:19:13	0.0 V	-200.0 V	-100 V
3/7/2024 09:28:32	0.0 V	-200.0 V	-100 V
3/7/2024 09:11:32	0.0 V	-200.0 V	-100 V
3/7/2024 09:01:08	0.0 V	-200.0 V	-100 V
3/6/2024 10:19:40	0.0 V	-200.0 V	-100 V
3/5/2024 10:15:16	0.0 V	-200.0 V	-100 V
3/5/2024 10:09:01	0.0 V	-200.0 V	-100 V
3/4/2024 11:41:00	0.0 V	-200.0 V	-100 V
3/4/2024 11:28:21	0.0 V	-200.0 V	-100 V
3/1/2024 08:43:28	0.0 V	-200.0 V	-120 V
2/29/2024 10:38:23	0.0 V	-200.0 V	-120 V
2/29/2024 10:00:25	0.0 V	-160.0 V	-110 V
2/29/2024 09:54:15	0.0 V	-160.0 V	-110 V
2/28/2024 09:32:01	0.0 V	-200.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
2/27/2024 09:16:47	0.0 V	-200.0 V	-100 V
2/26/2024 10:30:35	0.0 V	-200.0 V	-100 V
2/26/2024 10:00:21	0.0 V	-200.0 V	-110 V
2/23/2024 09:07:38	0.0 V	-200.0 V	-110 V
2/22/2024 08:58:48	0.0 V	-200.0 V	-110 V
2/21/2024 09:51:13	0.0 V	-200.0 V	-110 V
2/20/2024 09:59:52	0.0 V	-200.0 V	-110 V
2/19/2024 11:30:32	0.0 V	-200.0 V	-110 V
2/19/2024 11:27:00	0.0 V	-200.0 V	-110 V
2/19/2024 10:16:07	0.0 V	-200.0 V	-120 V
2/16/2024 10:28:26	0.0 V	-200.0 V	-120 V
2/15/2024 09:20:58	0.0 V	-200.0 V	-120 V
2/14/2024 09:20:12	0.0 V	-200.0 V	-120 V
2/13/2024 10:44:41	0.0 V	-200.0 V	-120 V
2/13/2024 10:29:18	0.0 V	-200.0 V	-120 V
2/12/2024 11:24:46	0.0 V	-200.0 V	-120 V
2/12/2024 11:09:08	0.0 V	-175.0 V	-120 V
2/12/2024 10:33:45	0.0 V	-175.0 V	-120 V
2/12/2024 10:19:52	0.0 V	-175.0 V	-120 V
2/12/2024 10:03:02	0.0 V	-200.0 V	-100 V
2/9/2024 09:43:26	0.0 V	-200.0 V	-100 V
2/8/2024 09:41:08	0.0 V	-200.0 V	-100 V
2/7/2024 09:08:34	0.0 V	-200.0 V	-100 V
2/6/2024 10:08:14	0.0 V	-200.0 V	-100 V
2/5/2024 16:27:35	0.0 V	-200.0 V	-120 V
2/2/2024 09:52:22	0.0 V	-200.0 V	-90 V
2/1/2024 09:29:20	0.0 V	-200.0 V	-90 V
1/31/2024 11:01:25	0.0 V	-200.0 V	-90 V
1/31/2024 10:56:52	0.0 V	-200.0 V	-90 V
1/30/2024 09:04:33	0.0 V	-200.0 V	-90 V
1/29/2024 09:09:33	0.0 V	-200.0 V	-90 V
1/26/2024 10:08:59	0.0 V	-200.0 V	-90 V
1/25/2024 09:54:25	0.0 V	-200.0 V	-90 V
1/24/2024 08:52:40	0.0 V	-200.0 V	-90 V
1/23/2024 11:08:41	0.0 V	-200.0 V	-90 V
1/22/2024 09:17:23	0.0 V	-200.0 V	-90 V
1/22/2024 09:06:26	0.0 V	-200.0 V	-100 V
1/19/2024 09:01:45	0.0 V	-200.0 V	-100 V
1/18/2024 10:29:20	0.0 V	-200.0 V	-100 V
1/17/2024 08:52:45	0.0 V	-200.0 V	-100 V
1/16/2024 14:09:54	0.0 V	-200.0 V	-100 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
1/16/2024 13:58:35	0.0 V	-200.0 V	-100 V
1/16/2024 13:45:11	0.0 V	-200.0 V	-100 V
1/15/2024 13:03:28	0.0 V	-200.0 V	-120 V
1/15/2024 10:46:25	0.0 V	-200.0 V	-120 V
1/15/2024 10:34:05	0.0 V	-200.0 V	-120 V
1/15/2024 10:25:28	0.0 V	-200.0 V	-120 V
1/15/2024 09:48:32	0.0 V	-200.0 V	-120 V
1/15/2024 09:32:45	0.0 V	-200.0 V	-120 V
1/11/2024 14:10:39	0.0 V	-200.0 V	-120 V
1/11/2024 14:00:32	0.0 V	-200.0 V	-120 V
1/11/2024 13:07:14	0.0 V	-200.0 V	-120 V
1/11/2024 12:18:32	0.0 V	-200.0 V	-120 V
1/11/2024 10:36:51	0.0 V	-200.0 V	-120 V
1/11/2024 10:28:26	0.0 V	-185.0 V	-110 V
1/11/2024 09:11:58	0.0 V	-155.0 V	-100 V
1/11/2024 09:02:27	0.0 V	-150.0 V	-80 V
1/11/2024 08:54:00	0.0 V	-150.0 V	-80 V
1/10/2024 09:10:40	0.0 V	-200.0 V	-90 V
1/9/2024 12:58:05	0.0 V	-200.0 V	-120 V
1/9/2024 12:49:35	0.0 V	-200.0 V	-120 V
1/9/2024 12:37:33	0.0 V	-165.0 V	-100 V
1/9/2024 12:22:55	0.0 V	-165.0 V	-100 V
1/9/2024 12:00:03	0.0 V	-165.0 V	-100 V
1/9/2024 11:54:42	0.0 V	-165.0 V	-100 V
1/9/2024 11:45:17	0.0 V	-165.0 V	-100 V
1/9/2024 11:40:53	0.0 V	-165.0 V	-100 V
1/9/2024 11:25:08	0.0 V	-165.0 V	-100 V
1/9/2024 11:20:04	0.0 V	-165.0 V	-100 V
1/8/2024 13:49:37	0.0 V	-200.0 V	-100 V
1/8/2024 12:34:48	0.0 V	-140.0 V	-80 V
1/8/2024 12:30:18	0.0 V	-140.0 V	-80 V
1/5/2024 09:35:49	0.0 V	-180.0 V	-80 V
1/4/2024 09:13:21	0.0 V	-170.0 V	-80 V
1/4/2024 09:00:57	0.0 V	-160.0 V	-80 V
1/3/2024 08:46:17	0.0 V	-200.0 V	-100 V
1/2/2024 11:16:48	0.0 V	-200.0 V	-90 V
1/2/2024 10:38:17	0.0 V	-200.0 V	-100 V
12/29/2023 10:12:49	0.0 V	-200.0 V	-100 V
12/28/2023 08:59:35	0.0 V	-200.0 V	-90 V
12/27/2023 12:20:02	0.0 V	-200.0 V	-90 V
12/27/2023 11:34:32	0.0 V	-200.0 V	-90 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
12/27/2023 10:51:04	0.0 V	-200.0 V	-90 V
12/27/2023 10:41:08	0.0 V	-200.0 V	-90 V
12/27/2023 10:33:50	0.0 V	-200.0 V	-90 V
12/27/2023 10:28:28	0.0 V	-200.0 V	-90 V
12/22/2023 07:49:52	0.0 V	-195.0 V	-90 V
12/21/2023 08:44:43	0.0 V	-200.0 V	-90 V
12/20/2023 09:26:41	0.0 V	-200.0 V	-100 V
12/19/2023 09:55:37	0.0 V	-200.0 V	-100 V
12/18/2023 10:16:18	0.0 V	-200.0 V	-100 V
12/18/2023 10:06:38	0.0 V	-185.0 V	-90 V
12/18/2023 10:00:26	0.0 V	-185.0 V	-90 V
12/15/2023 09:45:55	0.0 V	-200.0 V	-90 V
12/14/2023 10:23:15	0.0 V	-200.0 V	-90 V
12/13/2023 10:17:40	0.0 V	-200.0 V	-90 V
12/12/2023 09:56:00	0.0 V	-200.0 V	-90 V
12/11/2023 10:31:48	0.0 V	-200.0 V	-90 V
12/8/2023 10:10:39	0.0 V	-200.0 V	-100 V
12/7/2023 09:51:50	0.0 V	-190.0 V	-80 V
12/6/2023 10:12:37	0.0 V	-200.0 V	-100 V
12/5/2023 10:02:14	0.0 V	-200.0 V	-80 V
12/4/2023 12:08:53	0.0 V	-180.0 V	-90 V
12/4/2023 11:24:17	0.0 V	-145.0 V	-70 V
12/4/2023 11:20:06	0.0 V	-145.0 V	-70 V
12/4/2023 11:16:06	0.0 V	-145.0 V	-70 V
12/4/2023 10:23:39	0.0 V	-145.0 V	-70 V
12/4/2023 10:16:55	0.0 V	-170.0 V	-90 V
12/4/2023 10:09:27	0.0 V	-145.0 V	-70 V
12/1/2023 09:45:19	0.0 V	-155.0 V	-80 V
11/30/2023 11:48:17	0.0 V	-155.0 V	-80 V
11/30/2023 11:13:01	0.0 V	-150.0 V	-80 V
11/30/2023 11:05:44	0.0 V	-160.0 V	-90 V
11/30/2023 10:33:46	0.0 V	-170.0 V	-90 V
11/29/2023 10:04:26	0.0 V	-195.0 V	-100 V
11/29/2023 09:51:22	0.0 V	-190.0 V	-80 V
11/28/2023 12:50:37	0.0 V	-200.0 V	-80 V
11/28/2023 12:18:55	0.0 V	-175.0 V	-80 V
11/28/2023 12:15:04	0.0 V	-175.0 V	-80 V
11/28/2023 11:49:24	0.0 V	-170.0 V	-80 V
11/28/2023 10:22:53	0.0 V	-165.0 V	-80 V
11/28/2023 10:19:03	0.0 V	-165.0 V	-80 V
11/28/2023 10:15:20	0.0 V	-165.0 V	-80 V

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
11/28/2023 09:59:37	0.0 V	-170.0 V	-70 V
11/27/2023 10:28:48	0.0 V	-165.0 V	-80 V
11/27/2023 10:07:16	0.0 V	-185.0 V	-100 V
11/27/2023 10:01:25	0.0 V	-185.0 V	-100 V
11/27/2023 09:52:06	0.0 V	-185.0 V	-100 V
11/22/2023 09:50:47	0.0 V	-155.0 V	-80 V
11/21/2023 09:52:05	0.0 V	-155.0 V	-80 V
11/20/2023 09:38:08	0.0 V	-150.0 V	-80 V
11/17/2023 10:07:38	0.0 V	-175.0 V	-90 V
11/16/2023 09:42:56	0.0 V	-180.0 V	-90 V
11/15/2023 13:01:45	0.0 V	-170.0 V	-90 V
11/15/2023 12:33:52	0.0 V	-175.0 V	-90 V
11/15/2023 12:27:35	0.0 V	-175.0 V	-90 V
11/15/2023 12:17:35	0.0 V	-175.0 V	-90 V
11/15/2023 12:09:42	0.0 V	-170.0 V	-90 V
11/15/2023 10:39:09	0.0 V	-175.0 V	-90 V
11/14/2023 10:25:03	0.0 V	-200.0 V	-90 V
11/13/2023 09:42:07	0.0 V	-200.0 V	-90 V
11/10/2023 09:15:37	0.0 V	-200.0 V	-90 V
11/9/2023 09:55:52	0.0 V	-200.0 V	-90 V
11/8/2023 09:55:56	0.0 V	-200.0 V	-100 V
11/7/2023 10:07:52	0.0 V	-200.0 V	-120 V
11/7/2023 10:01:12	0.0 V	-195.0 V	-90 V
11/7/2023 09:55:11	0.0 V	-195.0 V	-90 V
11/6/2023 10:21:52	0.0 V	-200.0 V	-100 V
11/3/2023 09:44:39	0.0 V	-200.0 V	-120 V
11/2/2023 09:56:11	0.0 V	-200.0 V	-90 V
11/1/2023 09:41:33	0.0 V	-195.0 V	-90 V

Internal Standards

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_250516C

CCV Name: CAL BLANK

Run No: 99796

CCV SeqNo: 2078801

Lab File ID (Standard): 014CALB.d

Date Analyzed: 5/15/2025

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 10:42

GC Column: ID (mm): Length (M):

		IS1 Lithium 6 AREA #	RT #	IS2 Scandium AREA #	RT #	IS3 Germanium AREA #	RT #	IS4 Indium AREA #	RT #
	12 HOUR STD	339817.23	0.000	179015.48	0.000	112439.07	0.000	882041.69	0.000
	UPPER LIMIT	1699086.15	1.000	895077.4	1.000	562195.35	1.000	4410208.45	1.000
	LOWER LIMIT	101945	-1.000	53705	-1.000	33732	-1.000	264613	-1.000
	SAMPLE NO.								
01	ICB	336479	0	172772	0	110498	0	876054	0
02	ICV	340546	0	174830	0	113224	0	883092	0
03	ICSA	339235	0	169770	0	110335	0	857126	0
04	CCV-A	408298	0	162117	0	104815	0	893780	0
05	CCB-A	395710	0	161557	0	105150	0	881214	0
06	MB-47730	391614	0	164443	0	105359	0	886859	0
07	LCS-47730	384858	0	167338	0	108269	0	899272	0
08	2505258-001D	392293	0	164255	0	107070	0	881451	0
09	2505258-001DMS	455365	0	158619	0	105033	0	877957	0
10	2505258-001DMSDIL	443917	0	159904	0	104896	0	896383	0
11	2505258-001DMSD	451637	0	156824	0	103661	0	879776	0
12	2505258-002D	477697	0	155902	0	102001	0	883660	0
13	2505258-003D	490103	0	155168	0	102914	0	880056	0
14	2505258-004D	485277	0	155801	0	102399	0	881806	0
15	2505279-002D	495719	0	156779	0	103250	0	895184	0
16	CCV-B	457363	0	159136	0	103363	0	894804	0
17	CCB-B	433450	0	159110	0	102542	0	886739	0
18	LDR	450221	0	162848	0	105162	0	828156	0

IS1 Lithium 6 = Lithium 6

IS2 Scandium = Scandium

IS3 Germanium = germanium

IS4 Indium = Indium

AREA UPPER LIMIT = +400% of internal standard area

AREA LOWER LIMIT = -70% of internal standard area

RT UPPER LIMIT = +1.00 minutes of internal standard RT

RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_250516C

CCV Name: CAL BLANK

Run No: 99796

CCV SeqNo: 2078801

Lab File ID (Standard): 014CALB.d

Date Analyzed: 5/15/2025

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 10:42

GC Column: ID (mm): Length (M):

		IS5 Terbium AREA #	RT #						
	12 HOUR STD	1555838.3	0.000						
	UPPER LIMIT	7779191.5	1.000						
	LOWER LIMIT	466751	-1.000						
	SAMPLE NO.								
01	ICB	1.57206e+006	0						
02	ICV	1.57988e+006	0						
03	ICSA	1.58138e+006	0						
04	CCV-A	1.761e+006	0						
05	CCB-A	1.72339e+006	0						
06	MB-47730	1.71731e+006	0						
07	LCS-47730	1.74355e+006	0						
08	2505258-001D	1.77164e+006	0						
09	2505258-001DMS	1.80803e+006	0						
10	2505258-001DMSDIL	1.77508e+006	0						
11	2505258-001DMSD	1.81758e+006	0						
12	2505258-002D	1.84038e+006	0						
13	2505258-003D	1.84264e+006	0						
14	2505258-004D	1.82966e+006	0						
15	2505279-002D	1.83492e+006	0						
16	CCV-B	1.79991e+006	0						
17	CCB-B	1.75604e+006	0						
18	LDR	1.75698e+006	0						

IS5 Terbium = Terbium

AREA UPPER LIMIT = +400% of internal standard area
AREA LOWER LIMIT = -70% of internal standard area
RT UPPER LIMIT = +1.00 minutes of internal standard RT
RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_250516A

CCV Name: CAL BLANK

Run No: 99794

CCV SeqNo: 2078651

Lab File ID (Standard): 014CALB.d

Date Analyzed: 5/15/2025

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 10:42

GC Column: ID (mm): Length (M):

	IS1 Lithium 6 AREA #	RT #	IS2 Scandium AREA #	RT #	IS3 Germanium AREA #	RT #	IS4 Indium AREA #	RT #
12 HOUR STD	339817.23	0.000	179015.48	0.000	112439.07	0.000	882041.69	0.000
UPPER LIMIT	1699086.15	1.000	895077.4	1.000	562195.35	1.000	4410208.45	1.000
LOWER LIMIT	101945	-1.000	53705	-1.000	33732	-1.000	264613	-1.000
SAMPLE NO.								
01 ICB	336479	0	172772	0	110498	0	876054	0
02 ICV	340546	0	174830	0	113224	0	883092	0
03 ICSA	339235	0	169770	0	110335	0	857126	0
04 CCV-A	375299	0	166596	0	106812	0	879267	0
05 CCB-A	369120	0	165814	0	105890	0	876429	0
06 MB-47729	364793	0	168016	0	107462	0	893001	0
07 LCS-47729	370715	0	167460	0	108568	0	881266	0
08 2505258-001C	354091	0	163964	0	104958	0	850123	0
09 2505258-001CMS	375390	0	161901	0	104684	0	851244	0
10 2505258-001CMSDIL	393169	0	163422	0	106750	0	888151	0
11 2505258-001CMSD	389937	0	159031	0	103264	0	846088	0
12 2505258-001CPDS	401556	0	158064	0	102984	0	851715	0
13 2505258-002C	400513	0	157832	0	102889	0	844820	0
14 2505258-003C	402022	0	157310	0	102261	0	845996	0
15 2505258-004C	394135	0	157181	0	103554	0	845750	0
16 CCV-B	407013	0	164754	0	107262	0	892990	0
17 CCB-B	401468	0	163366	0	105988	0	884348	0
18 2505261-001C	405977	0	161193	0	105263	0	871239	0
19 2505263-002B	400652	0	159658	0	104168	0	846210	0
20 2505263-006B	396565	0	157928	0	100975	0	819845	0
21 2505263-007B	419081	0	160268	0	103366	0	845450	0
22 2505263-008B	404675	0	162021	0	105027	0	838969	0
23 2505263-009B	390685	0	160739	0	104020	0	848030	0
24 2505263-010B	411925	0	160752	0	103926	0	855614	0
25 2505279-002C	427419	0	160006	0	104814	0	889039	0
26 CCV-C	423267	0	164427	0	107158	0	895554	0
27 CCB-C	412408	0	166066	0	106130	0	895366	0
28 LDR	450221	0	162848	0	105162	0	828156	0

IS1 Lithium 6 = Lithium 6

IS2 Scandium = Scandium

IS3 Germanium = Germanium

IS4 Indium = Indium

AREA UPPER LIMIT = +400% of internal standard area

AREA LOWER LIMIT = -70% of internal standard area

RT UPPER LIMIT = +1.00 minutes of internal standard RT

RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_250516A

CCV Name: CAL BLANK

Run No: 99794

CCV SeqNo: 2078651

Lab File ID (Standard): 014CALB.d

Date Analyzed: 5/15/2025

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 10:42

GC Column: ID (mm): Length (M):

		IS5 Terbium AREA #	RT #						
	12 HOUR STD	1555838.3	0.000						
	UPPER LIMIT	7779191.5	1.000						
	LOWER LIMIT	466751	-1.000						
	SAMPLE NO.								
01	CCV-A	1.66319e+006	0						
02	CCB-A	1.6547e+006	0						
03	MB-47729	1.64845e+006	0						
04	LCS-47729	1.65614e+006	0						
05	ICB	1.57206e+006	0						
06	ICV	1.57988e+006	0						
07	ICSA	1.58138e+006	0						
08	2505258-001C	1.65973e+006	0						
09	2505258-001CMS	1.69511e+006	0						
10	2505258-001CMSDIL	1.70025e+006	0						
11	2505258-001CMSD	1.7083e+006	0						
12	2505258-001CPDS	1.7216e+006	0						
13	2505258-002C	1.71426e+006	0						
14	2505258-003C	1.70918e+006	0						
15	2505258-004C	1.71779e+006	0						
16	CCV-B	1.73695e+006	0						
17	CCB-B	1.6918e+006	0						
18	2505261-001C	1.71629e+006	0						
19	2505263-002B	1.71959e+006	0						
20	2505263-006B	1.70622e+006	0						
21	2505263-007B	1.73346e+006	0						
22	2505263-008B	1.71749e+006	0						
23	2505263-009B	1.7151e+006	0						
24	2505263-010B	1.7459e+006	0						
25	2505279-002C	1.77662e+006	0						
26	CCV-C	1.73377e+006	0						
27	CCB-C	1.71278e+006	0						
28	LDR	1.75698e+006	0						

IS5 Terbium = Terbium

AREA UPPER LIMIT = +400% of internal standard area
AREA LOWER LIMIT = -70% of internal standard area
RT UPPER LIMIT = +1.00 minutes of internal standard RT
RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_250516A

CCV Name: CAL BLANK

Run No: 99794

CCV SeqNo: 2079284

Lab File ID (Standard): 007CALB.d

Date Analyzed: 5/16/2025

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 10:13

GC Column: ID (mm): Length (M):

		IS1 Lithium 6 AREA #	RT #	IS2 Scandium AREA #	RT #	IS3 Germanium AREA #	RT #	IS4 Indium AREA #	RT #
	12 HOUR STD	668018.05	0.000	116055.84	0.000	80966.57	0.000	834163.24	0.000
	UPPER LIMIT	3340090.25	1.000	580279.2	1.000	404832.85	1.000	4170816.2	1.000
	LOWER LIMIT	200405	-1.000	34817	-1.000	24290	-1.000	250249	-1.000
	SAMPLE NO.								
01	ICB	661223	0	114998	0	79557.3	0	807462	0
02	ICV	663512	0	114158	0	80007.6	0	808419	0
03	ICSA	644290	0	111288	0	79267.8	0	781537	0
04	CCV-A	671068	0	116501	0	82123.3	0	821587	0
05	CCB-A	665122	0	118366	0	82785.2	0	833755	0
06	2505290-012B	634350	0	112960	0	79216.3	0	783766	0
07	2505290-014B	641700	0	109927	0	77076.4	0	773594	0
08	CCV-B	666777	0	113784	0	80082.4	0	817086	0
09	CCB-B	667909	0	115000	0	80873.8	0	813071	0
10	LDR	616482	0	105868	0	76960.4	0	710135	0

IS1 Lithium 6 = Lithium 6

IS2 Scandium = Scandium

IS3 Germanium = Germanium

IS4 Indium = Indium

AREA UPPER LIMIT = +400% of internal standard area

AREA LOWER LIMIT = -70% of internal standard area

RT UPPER LIMIT = +1.00 minutes of internal standard RT

RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_250516A

Run No: 99794

Lab File ID (Standard): 007CALB.d

Instrument ID: ICP-MS 2 Agilent 7850

GC Column: ID (mm):

CCV Name: CAL BLANK

CCV SeqNo: 2079284

Date Analyzed: 5/16/2025

Time Analyzed: 10:13

Length (M):

		IS5 Terbium AREA #	RT #						
	12 HOUR STD	2003479.36	0.000						
	UPPER LIMIT	10017396.8	1.000						
	LOWER LIMIT	601044	-1.000						
	SAMPLE NO.								
01	ICB	1.94265e+006	0						
02	ICV	1.9434e+006	0						
03	ICSA	1.90508e+006	0						
04	CCV-A	1.96814e+006	0						
05	CCB-A	1.9764e+006	0						
06	2505290-012B	1.94011e+006	0						
07	2505290-014B	1.92476e+006	0						
08	CCV-B	1.96611e+006	0						
09	CCB-B	1.96675e+006	0						
10	LDR	1.88276e+006	0						

IS5 Terbium = Terbium

AREA UPPER LIMIT = +400% of internal standard area
AREA LOWER LIMIT = -70% of internal standard area
RT UPPER LIMIT = +1.00 minutes of internal standard RT
RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_250516A

CCV Name: CAL BLANK

Run No: 99794

CCV SeqNo: 2080394

Lab File ID (Standard): 003CALB.d

Date Analyzed: 5/20/2025

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 10:34

GC Column: ID (mm): Length (M):

		IS1 Lithium 6 AREA #	RT #	IS2 Scandium AREA #	RT #	IS3 Germanium AREA #	RT #	IS4 Indium AREA #	RT #
	12 HOUR STD	560707.14	0.000	138033.85	0.000	94649.04	0.000	909509.56	0.000
	UPPER LIMIT	2803535.7	1.000	690169.25	1.000	473245.2	1.000	4547547.8	1.000
	LOWER LIMIT	168212	-1.000	41410	-1.000	28395	-1.000	272853	-1.000
	SAMPLE NO.								
01	ICB	576842	0	123506	0	86151.2	0	846688	0
02	ICV	566347	0	125452	0	87338.6	0	842999	0
03	ICSA	556765	0	120406	0	86213.8	0	813609	0
04	LDR	535562	0	107302	0	78227.4	0	711290	0
05	2505263-007B	522796	0	127106	0	88141.6	0	836157	0
06	2505263-008B	524931	0	126739	0	88493.8	0	838939	0
07	2505263-009B	530661	0	127126	0	90270.9	0	852745	0
08	2505263-010B	531199	0	127348	0	89358.3	0	845570	0
09	CCV-A	538059	0	126650	0	88974.7	0	847000	0
10	CCB-A	544533	0	126833	0	88923.3	0	850347	0

IS1 Lithium 6 = Lithium 6

IS2 Scandium = Scandium

IS3 Germanium = Germanium

IS4 Indium = Indium

AREA UPPER LIMIT = +400% of internal standard area

AREA LOWER LIMIT = -70% of internal standard area

RT UPPER LIMIT = +1.00 minutes of internal standard RT

RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: ICP-MS 2 AGILENT 7850_250516A

CCV Name: CAL BLANK

Run No: 99794

CCV SeqNo: 2080394

Lab File ID (Standard): 003CALB.d

Date Analyzed: 5/20/2025

Instrument ID: ICP-MS 2 Agilent 7850

Time Analyzed: 10:34

GC Column: ID (mm): Length (M):

		IS5 Terbium AREA #	RT #						
	12 HOUR STD	2049280.13	0.000						
	UPPER LIMIT	10246400.65	1.000						
	LOWER LIMIT	614784	-1.000						
	SAMPLE NO.								
01	ICB	1.98487e+006	0						
02	ICV	1.99295e+006	0						
03	ICSA	1.95652e+006	0						
04	LDR	1.87115e+006	0						
05	2505263-007B	1.97291e+006	0						
06	2505263-008B	1.97649e+006	0						
07	2505263-009B	1.98051e+006	0						
08	2505263-010B	1.98782e+006	0						
09	CCV-A	1.99757e+006	0						
10	CCB-A	1.97932e+006	0						

IS5 Terbium = Terbium

AREA UPPER LIMIT = +400% of internal standard area
AREA LOWER LIMIT = -70% of internal standard area
RT UPPER LIMIT = +1.00 minutes of internal standard RT
RT LOWER LIMIT = -1.00 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Supporting Data

3010A Total Metals in Water Prep Bench Sheet

Alliance Technical Group - Seattle

Analyst:	
Date and Time:	05/15/23
Batch:	477249

Notes/Modifications

Equipment	
Thermometer:	35
Thermometer CF:	+0.1°C
Hot Block:	13
Pipette:	42 46
Other:	

Digestion Time/Temp.		
Time START:	07:20	
Time STOP:	17 16	
	Observed	**Plus CF**
Temp. IN:	95.2	95.1
Temp. OUT:	94.9	95.0
Time START:	[illegible]	
Time STOP:	1655	
	Observed	**Plus CF**
Temp. IN:	[illegible]	[illegible]
Temp. OUT:	93.3	93.4

Spikes / Chemicals / Reagents	**Omega ID**	**Amount Used**
Metals Water Spike	31266	**1.0 mL**
EAL-STD-2	30515	**0.5 mL**
500 ppb Hg Standard	31297	**0.25 mL**
Concentrated Nitric Acid	4723	**0.5 mL**
1:1 HCl	7246	**0.5 mL**
50mL Tubes	5026	
10mL Tubes	5026	
pH Strips	30356	
Metals Spike (PDS)	31266	**0.2 mL**
EAL-STD-2 (PDS)	30515	**0.1 mL**
500 ppb Hg Standard (PDS)	31297	**0.05 mL**

I acknowledge the spike/chemical/reagent amounts listed above were used	**Initial/Date**
	05/15/23

All samples individually verified pH < 2 (nonconforming samples noted in Notes/Modifications)	**Initial/Date**
	05/15/23

Sign and date below if you contributed to the preparation of this batch
05/15/23

Dilutions	
Sample ID	**Dilution Description**

Signature: ADK

3010A-T Prep Bench Sheet v1.7

Official Approval: 3/6/2025

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **5/15/2025 8:14:00 A**
Prep End Date:
Technician: **Steven Lanphier**

Prep Factor Units:
mL / mL

Prep Batch ID: **47729** Prep Code: **PREP-3010-TW** Method No: **SW3010A**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-47729		Aqueous	50	50	1.000	5/15/2025	Preliminary
LCS-47729		Aqueous	50	50	1.000	5/15/2025	Preliminary
2505258-001C	DUP-051225	Water	50	50	1.000	5/15/2025	Preliminary
2505258-001CMS		Water	50	50	1.000	5/15/2025	Preliminary
2505258-001CMSDIL		Water	50	50	1.000	5/15/2025	Preliminary
2505258-001CMSD		Water	50	50	1.000	5/15/2025	Preliminary
2505258-001CPDS		Water	50	50	1.000	5/15/2025	Preliminary
2505258-002C	GEI-11-051225	Water	50	50	1.000	5/15/2025	Preliminary
2505258-003C	GEI-12-051225	Water	50	50	1.000	5/15/2025	Preliminary
2505258-004C	GEI-13-051225	Water	50	50	1.000	5/15/2025	Preliminary
2505261-001C	BCMW-2-051325	Groundwater	50	50	1.000	5/15/2025	Preliminary
2505263-002B	MW-147-250513	Water	50	50	1.000	5/15/2025	Preliminary
2505263-006B	MW-144R-250513	Water	50	50	1.000	5/15/2025	Preliminary
2505263-007B	MW-322-250513	Water	50	50	1.000	5/15/2025	Preliminary
2505263-008B	MW-318-250513	Water	50	50	1.000	5/15/2025	Preliminary
2505263-009B	MW-110-250513	Water	50	50	1.000	5/15/2025	Preliminary
2505263-010B	MW-156-250513	Water	50	50	1.000	5/15/2025	Preliminary
2505279-002C	BH3081:GW	Groundwater	50	50	1.000	5/15/2025	Preliminary

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **5/15/2025 8:14:00 A**
Prep End Date: **5/16/2025 9:09:12 A**
Technician: **Steven Lanphier**

Prep Factor Units:
mL / mL

Prep Batch ID: **47729** Prep Code: **PREP-3010-TW** Method No: **SW3010A**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-47729		Aqueous	50	50	1.000	5/15/2025	5/16/2025
LCS-47729		Aqueous	50	50	1.000	5/15/2025	5/16/2025
2505258-001C	DUP-051225	Water	50	50	1.000	5/15/2025	5/16/2025
2505258-001CMS		Water	50	50	1.000	5/15/2025	5/16/2025
2505258-001CMSDIL		Water	50	50	1.000	5/15/2025	5/16/2025
2505258-001CMSD		Water	50	50	1.000	5/15/2025	5/16/2025
2505258-001CPDS		Water	50	50	1.000	5/15/2025	5/16/2025
2505258-002C	GEI-11-051225	Water	50	50	1.000	5/15/2025	5/16/2025
2505258-003C	GEI-12-051225	Water	50	50	1.000	5/15/2025	5/16/2025
2505258-004C	GEI-13-051225	Water	50	50	1.000	5/15/2025	5/16/2025
2505261-001C	BCMW-2-051325	Groundwater	50	50	1.000	5/15/2025	5/16/2025
2505263-002B	MW-147-250513	Water	50	50	1.000	5/15/2025	5/16/2025
2505263-006B	MW-144R-250513	Water	50	50	1.000	5/15/2025	5/16/2025
2505263-007B	MW-322-250513	Water	50	50	1.000	5/15/2025	5/16/2025
2505263-008B	MW-318-250513	Water	50	50	1.000	5/15/2025	5/16/2025
2505263-009B	MW-110-250513	Water	50	50	1.000	5/15/2025	5/16/2025
2505263-010B	MW-156-250513	Water	50	50	1.000	5/15/2025	5/16/2025
2505279-002C	BH3081:GW	Groundwater	50	50	1.000	5/15/2025	5/16/2025
2505290-012B	FMW-141-250514	Groundwater	50	50	1.000	5/15/2025	5/16/2025
2505290-014B	FMW-141-250514-D	Groundwater	50	50	1.000	5/15/2025	5/16/2025

Reporting Checklist

Alliance TECHNICAL GROUP

Analyst: Melanie	Workorder(s): 2505258, 261, 263, 279, 290
Date: 05/20/2025	
Prep #: 47729	
Run(s) #:99794	Analysis: M-6020-TW

Y/N

Y **Run complete? (i.e., all QC, samples, dilutions present)**

Y **All QC within limits?** Exceedances acceptable per QA Manual and/or Auth'd by PM_____?

□CCV out □LCS out □MS out □Blank hits □IS/surr out □RPD out
□Hold time □Other_____

N Any pending dilutions, re-extracts, or reanalysis to be completed in future run?

N/A **Manual entries/narratives reviewed for accuracy? (note below)** Analyst: _____ Reviewer: _____

✔ **Omega checks performed?**

✔ SampID, Test Code, Samp Type, Prep ✔
✔ PMOIST, pH ✔
✔ BLKref, SPKref, RPDref, CCVref ✔
✔ Attachments ✔
□Sequence □Cgrams ☑Bench Sheets ☑Perf Checks ☑Tech Doc
✔ Related Info ✔
□ICAL Ref □ICAL Ack/QA'd? ☑Spiking Info/CCV Std □_____
✔ Reporting Checks ✔
□Dilutions/narr redundancy check (important!) □RLs OK (low wt, high pmoist, dilutions)

Notes for Reviewer

LDR

263-6B Mn
263-7B, 8B Fe
290-12B Mn

By signing, I attest that I have followed the SOP

Melanie Esparza	05/20/2025	ADK	5/20/2025
Analyst	Date	Reviewer	Date

Signature: MG

3010A Dissolved Metals in Water Prep Bench Sheet

Alliance Technical Group - Seattle

Analyst: SW	
Date and Time: 05/15/2025	
Batch: 47730	

Equipment
Pipette: 42
Other:

Final Volume Before Analysis	50mL

Spikes / Chemicals / Reagents	Omega ID	Amount Used
Metals Water Spike	3166	0.2 mL
EAL-STD-2	3057S	0.1 mL
500 ppb Hg Standard	3127	0.05 mL
10mL Tubes	3966	
pH Strips	3035S	

Notes/Modifications

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date
	SW 05/15/2025

All samples individually verified pH < 2 (nonconforming samples noted in Notes/Modifications)	Initial/Date
	SW 05/15/2025

Dilutions

Sample ID	Dilution Description

Sign and date below if you contributed to this preparation batch

05/15/2025

Signature: ADK

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **5/15/2025 8:14:10 A**
Prep End Date:
Technician: **Steven Lanphier**

Prep Factor Units:
mL / mL

Prep Batch ID: **47730** Prep Code: **PREP-3010-D** Method No: **SW3010A**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-47730		Aqueous	10	10	1.000	5/15/2025	Preliminary
LCS-47730		Aqueous	10	10	1.000	5/15/2025	Preliminary
2505258-001D	DUP-051225	Water	10	10	1.000	5/15/2025	Preliminary
2505258-001DMS		Water	10	10	1.000	5/15/2025	Preliminary
2505258-001DMSDiL		Water	10	10	1.000	5/15/2025	Preliminary
2505258-001DMSD		Water	10	10	1.000	5/15/2025	Preliminary
2505258-002D	GEI-11-051225	Water	10	10	1.000	5/15/2025	Preliminary
2505258-003D	GEI-12-051225	Water	10	10	1.000	5/15/2025	Preliminary
2505258-004D	GEI-13-051225	Water	10	10	1.000	5/15/2025	Preliminary
2505279-002D	BH3081:GW	Groundwater	10	10	1.000	5/15/2025	Preliminary

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **5/15/2025 8:14:10 A**
Prep End Date: **5/16/2025 9:09:18 A**
Technician: **Steven Lanphier**

Prep Factor Units:
mL / mL

Prep Batch ID: **47730** Prep Code: **PREP-3010-D** Method No: **SW3010A**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-47730		Aqueous	10	10	1.000	5/15/2025	5/16/2025
LCS-47730		Aqueous	10	10	1.000	5/15/2025	5/16/2025
2505258-001D	DUP-051225	Water	10	10	1.000	5/15/2025	5/16/2025
2505258-001DMS		Water	10	10	1.000	5/15/2025	5/16/2025
2505258-001DMSDIL		Water	10	10	1.000	5/15/2025	5/16/2025
2505258-001DMSD		Water	10	10	1.000	5/15/2025	5/16/2025
2505258-002D	GEI-11-051225	Water	10	10	1.000	5/15/2025	5/16/2025
2505258-003D	GEI-12-051225	Water	10	10	1.000	5/15/2025	5/16/2025
2505258-004D	GEI-13-051225	Water	10	10	1.000	5/15/2025	5/16/2025
2505279-002D	BH3081:GW	Groundwater	10	10	1.000	5/15/2025	5/16/2025

Reporting Checklist

Analyst: Melanie | Workorder(s): 2505258, 279

Date: 05/19/2025

Prep #: 47730

Run(s) #:99796 | Analysis: M-6020-D

Y/N

Y **Run complete? (i.e., all QC, samples, dilutions present)**

N **All QC within limits?** Exceedances acceptable per QA Manual and/or Auth'd by PM_____?

☑CCV out ☐LCS out ☐MS out ☐Blank hits ☐IS/surr out ☐RPD out

☐Hold time ☐Other_____

CCV-B failed high for Hg - sample non-detect

N Any pending dilutions, re-extracts, or reanalysis to be completed in future run?

N/A **Manual entries/narratives reviewed for accuracy? (note below)** Analyst: _____ Reviewer: _____

✔ **Omega checks performed?**

✔ SampID, Test Code, Samp Type, Prep ✔

✔ PMOIST, pH ✔

✔ BLKref, SPKref, RPDref, CCVref ✔

✔ Attachments ✔

☑Sequence ☐Cgrams ☑Bench Sheets ☑Perf Checks ☑Tech Doc

✔ Related Info ✔

☐ICAL Ref ☐ICAL Ack/QA'd? ☑Spiking Info/CCV Std ☐_____

✔ Reporting Checks ✔

☐Dilutions/narr redundancy check (important!) ☐RLs OK (low wt, high pmoist, dilutions)

Notes for Reviewer

By signing, I attest that I have followed the SOP

Melanie Esparza	05/19/2025	ADK	5/19/25
Analyst	Date	Reviewer	Date

Signature: MG

DATA SET for Review - Deliverable Requirements

PAHs by EPA Method 8270E SIM

Alliance Technical Group Work Order No. 2505258

GeoEngineers

Project Name: 701/709 South Jackson St.

Project Number: 24504-001-04

This data set contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information
- Internal Standards Report

Injection Log

Data Directory: C:\GC-14\Data\2025\051625\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	051601.D	8270E_SIM_625_15m.M			
CO			150	1.000	16 May 2025 09:00 am
2)	051602.D	8270E_SCAN_625_15m.M			
tune			1	1.000	16 May 2025 09:17 am
3)	051603.D	8270E_SIM_625_15m.M			
CCV			2	1.000	16 May 2025 09:33 am
4)	051604.D	8270E_SIM_625_15m.M			
CCV			10	1.000	16 May 2025 10:08 am
5)	051605.D	8270E_SIM_625_15m.M			
CO			150	1.000	16 May 2025 10:52 am
6)	051606.D	8270E_SIM_625_15m.M			
CCV			10	1.000	16 May 2025 11:08 am
7)	051607.D	8270E_SIM_625_15m.M			
CCV new			3	1.000	16 May 2025 11:54 am
8)	051608.D	8270E_SIM_625_15m.M			
MB-47743			91	1.000	16 May 2025 12:27 pm
9)	051609.D	8270E_SIM_625_15m.M			
LCS-47743			92	1.000	16 May 2025 12:43 pm
10)	051610.D	8270E_SIM_625_15m.M			
2505316-001C			104	1.000	16 May 2025 12:59 pm
11)	051611.D	8270E_SIM_625_15m.M			
CO			150	1.000	16 May 2025 02:16 pm
12)	051612.D	8270E_SIM_625_15m.M			
2505316-001C			104	1.000	16 May 2025 02:32 pm
13)	051613.D	8270E_SIM_625_15m.M			
CO			150	1.000	16 May 2025 02:48 pm
14)	051614.D	8270E_SIM_625_15m.M			
CO			150	1.000	16 May 2025 05:43 pm
15)	051615.D	8270E_SIM_625_15m.M			
Spike Test			2	1.000	16 May 2025 06:00 pm
16)	051616.D	8270E_SIM_625_15m.M			
Spike Test			2	1.000	16 May 2025 06:57 pm
17)	051617.D	8270E_SCAN_625_15m.M			
tune			1	1.000	16 May 2025 07:42 pm
18)	051618.D	8270E_SIM_625_15m.M			
CO			150	1.000	16 May 2025 08:05 pm
19)	051619.D	8270E_SIM_625_15m.M			
PAH ICAL 10			41	1.000	16 May 2025 08:22 pm
20)	051620.D	8270E_SIM_625_15m.M			
PAH ICAL 20			42	1.000	16 May 2025 08:38 pm
21)	051621.D	8270E_SIM_625_15m.M			
PAH ICAL 40			43	1.000	16 May 2025 08:53 pm

22) 051622.D 8270E_SIM_625_15m.M
PAH ICAL 100 44 1.000 16 May 2025 09:10 pm

23) 051623.D 8270E_SIM_625_15m.M
PAH ICAL 200 45 1.000 16 May 2025 09:25 pm

24) 051624.D 8270E_SIM_625_15m.M
PAH ICAL 500 46 1.000 16 May 2025 09:41 pm

25) 051625.D 8270E_SIM_625_15m.M
PAH ICAL 750 47 1.000 16 May 2025 09:57 pm

26) 051626.D 8270E_SIM_625_15m.M
PAH ICAL 1000 48 1.000 16 May 2025 10:13 pm

27) 051627.D 8270E_SIM_625_15m.M
PAH ICAL 2000 49 1.000 16 May 2025 10:29 pm

28) 051628.D 8270E_SIM_625_15m.M
PAH ICAL 5000 50 1.000 16 May 2025 10:45 pm

29) 051629.D 8270E_SIM_625_15m.M
CO 150 1.000 16 May 2025 11:01 pm

30) 051630.D 8270E_SIM_625_15m.M
ICB 9 1.000 16 May 2025 11:17 pm

31) 051631.D 8270E_SIM_625_15m.M
ICV 10 1.000 16 May 2025 11:33 pm

32) 051632.D 8270E_SIM_625_15m.M
MB-47743 91 1.000 16 May 2025 11:48 pm

33) 051633.D 8270E_SIM_625_15m.M
LCS-47743 92 1.000 17 May 2025 12:04 am

34) 051634.D 8270E_SIM_625_15m.M
DX/PAH Surr Test 149 1.000 17 May 2025 12:20 am

35) 051635.D 8270E_SIM_625_15m.M
CO 150 1.000 17 May 2025 12:36 am

36) 051636.D 8270E_SIM_625_15m.M
2505258-001E 93 1.000 17 May 2025 12:52 am

37) 051637.D 8270E_SIM_625_15m.M
2505258-002E 94 1.000 17 May 2025 01:08 am

38) 051638.D 8270E_SIM_625_15m.M
2505258-003E 95 1.000 17 May 2025 01:24 am

39) 051639.D 8270E_SIM_625_15m.M
2505258-004E 96 1.000 17 May 2025 01:40 am

40) 051640.D 8270E_SIM_625_15m.M
2505265-001A 97 1.000 17 May 2025 01:55 am

41) 051641.D 8270E_SIM_625_15m.M
2505265-001ADUP 98 1.000 17 May 2025 02:11 am

42) 051642.D 8270E_SIM_625_15m.M
2505265-002A 99 1.000 17 May 2025 02:27 am

43) 051643.D 8270E_SIM_625_15m.M
2505283-001C 100 1.000 17 May 2025 02:43 am

44) 051644.D 8270E_SIM_625_15m.M
2505298-002C 102 1.000 17 May 2025 02:59 am

45) 051645.D 8270E_SIM_625_15m.M

2505300-001C 103 1.000 17 May 2025 03:15 am

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46) 051646.D 8270E_SIM_625_15m.M
2505298-001C 101 1.000 17 May 2025 03:31 am

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47) 051647.D 8270E_SIM_625_15m.M
CO 150 1.000 17 May 2025 03:47 am

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48) 051648.D 8270E_SIM_625_15m.M
CCV 10 1.000 17 May 2025 04:02 am

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49) 051649.D 8270E_SIM_625_15m.M
MB-47738 71 1.000 17 May 2025 04:18 am

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50) 051650.D 8270E_SIM_625_15m.M
LCS-47738 72 1.000 17 May 2025 04:34 am

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51) 051651.D 8270E_SIM_625_15m.M
2505128-001A 73 1.000 17 May 2025 04:50 am

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52) 051652.D 8270E_SIM_625_15m.M
2505128-001AMS 74 1.000 17 May 2025 05:06 am

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53) 051653.D 8270E_SIM_625_15m.M
2505128-001AMSD 75 1.000 17 May 2025 05:21 am

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54) 051654.D 8270E_SIM_625_15m.M
2505128-002A 76 1.000 17 May 2025 05:37 am

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55) 051655.D 8270E_SIM_625_15m.M
2505128-003A 77 1.000 17 May 2025 05:53 am

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56) 051656.D 8270E_SIM_625_15m.M
2505128-005A 79 1.000 17 May 2025 06:09 am

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57) 051657.D 8270E_SIM_625_15m.M
2505128-006A 80 1.000 17 May 2025 06:25 am

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58) 051658.D 8270E_SIM_625_15m.M
2505128-015A 81 1.000 17 May 2025 06:41 am

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59) 051659.D 8270E_SIM_625_15m.M
2505128-019A 82 1.000 17 May 2025 06:56 am

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60) 051660.D 8270E_SIM_625_15m.M
2505312-001A 10x 85 1.000 17 May 2025 07:12 am

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61) 051661.D 8270E_SIM_625_15m.M
2505128-004A 10x 84 1.000 17 May 2025 07:28 am

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62) 051662.D 8270E_SIM_625_15m.M
CO 150 1.000 17 May 2025 07:44 am

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63) 051663.D 8270E_SIM_625_15m.M
CO 150 1.000 17 May 2025 08:00 am

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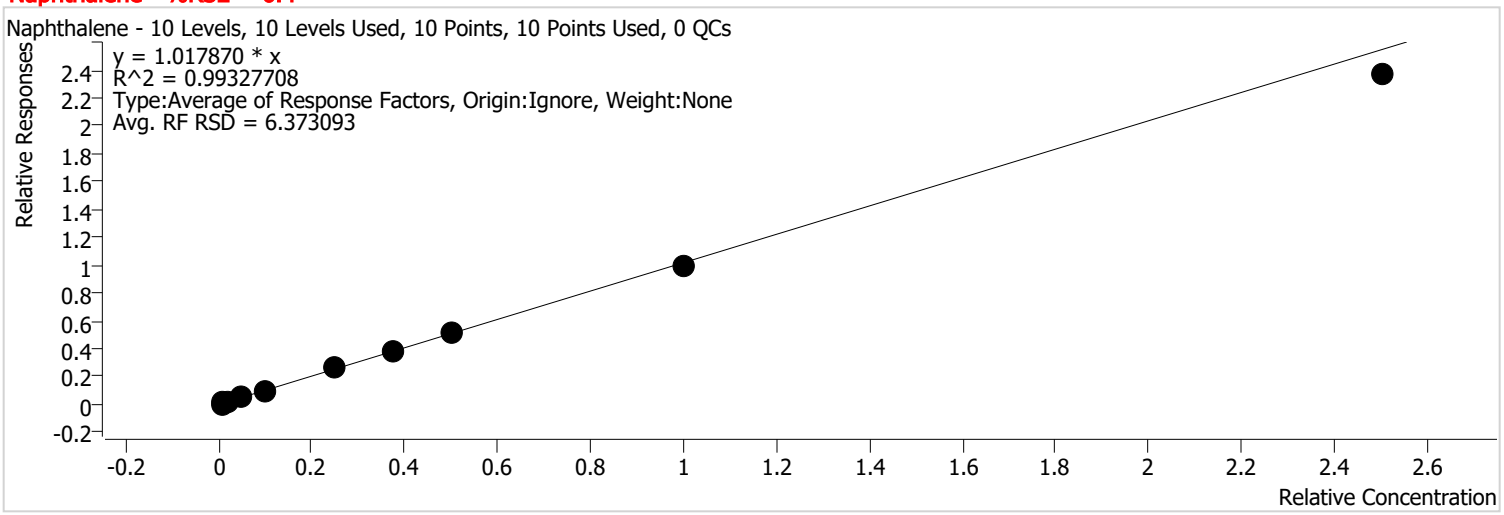
64) 051664.D 8270E_SIM_625_15m.M
CCV 3 1.000 17 May 2025 08:16 am

Calibration

Calibration Report

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:00 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Naphthalene %RSE = 6.4

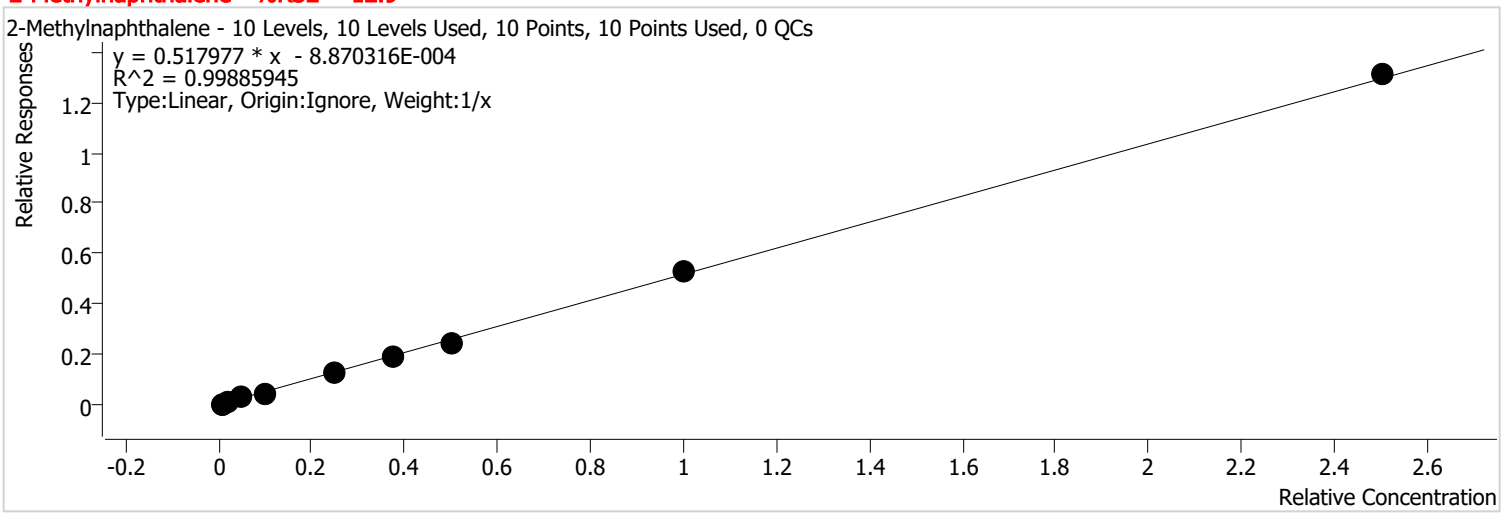


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C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	3353	20.0000	0.9240	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	11347	40.0000	1.0336	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	28443	100.0000	1.1663	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	54253	200.0000	1.0093	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	145917	500.0000	1.0340	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	215045	750.0000	1.0068	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	284253	1000.0000	1.0125	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	552676	2000.0000	1.0001	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	1325016	5000.0000	0.9460	

Calibration Report

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

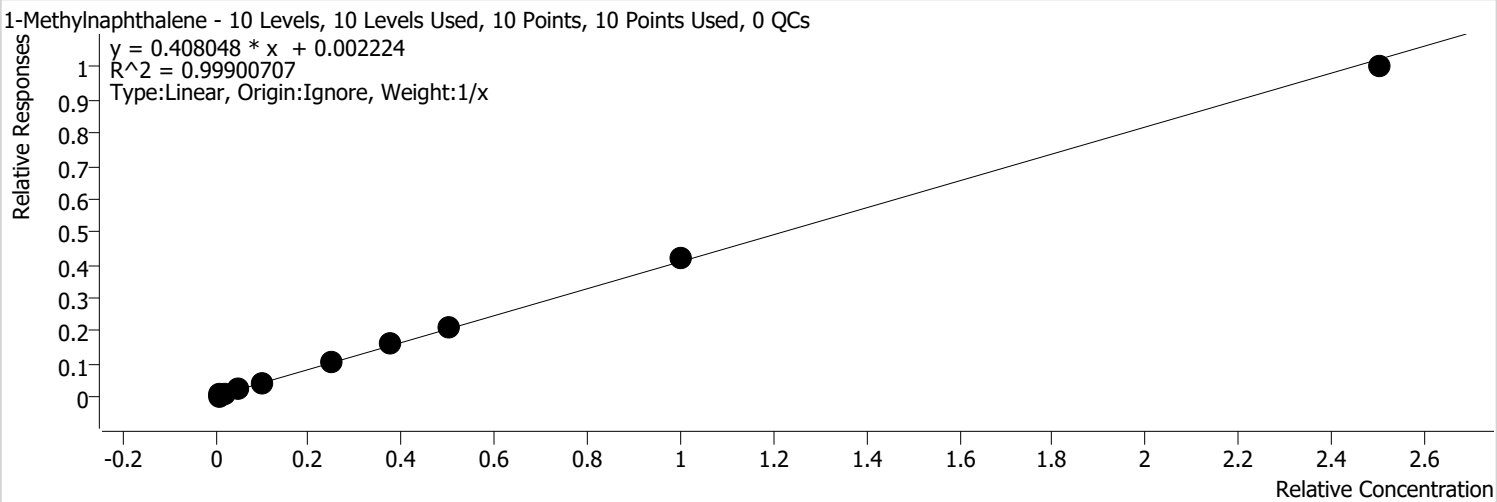
2-Methylnaphthalene %RSE = 12.9



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C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	4401	40.0000	0.4009	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	13905	100.0000	0.5702	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	23522	200.0000	0.4376	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	70606	500.0000	0.5003	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	108475	750.0000	0.5079	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	138994	1000.0000	0.4951	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	289370	2000.0000	0.5236	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	733516	5000.0000	0.5237	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

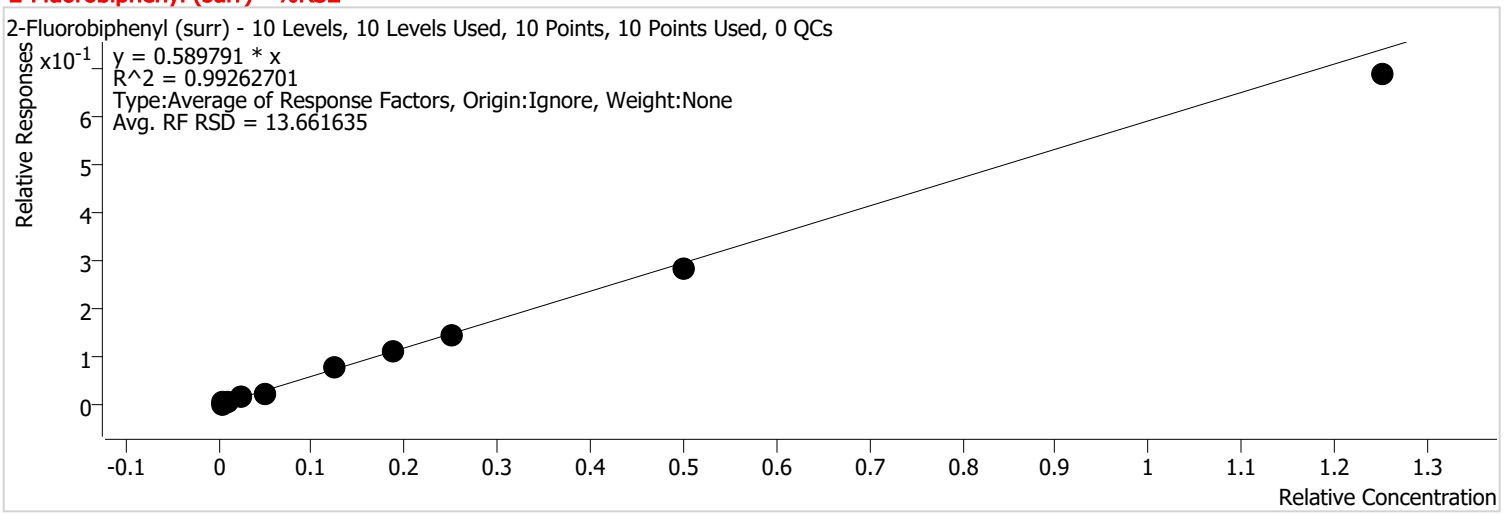
1-Methylnaphthalene %RSE = 8.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	2308	20.0000	0.6361	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	5147	40.0000	0.4688	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	12609	100.0000	0.5171	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	21956	200.0000	0.4084	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	60912	500.0000	0.4316	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	91301	750.0000	0.4275	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	118838	1000.0000	0.4233	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	231167	2000.0000	0.4183	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	560409	5000.0000	0.4001	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

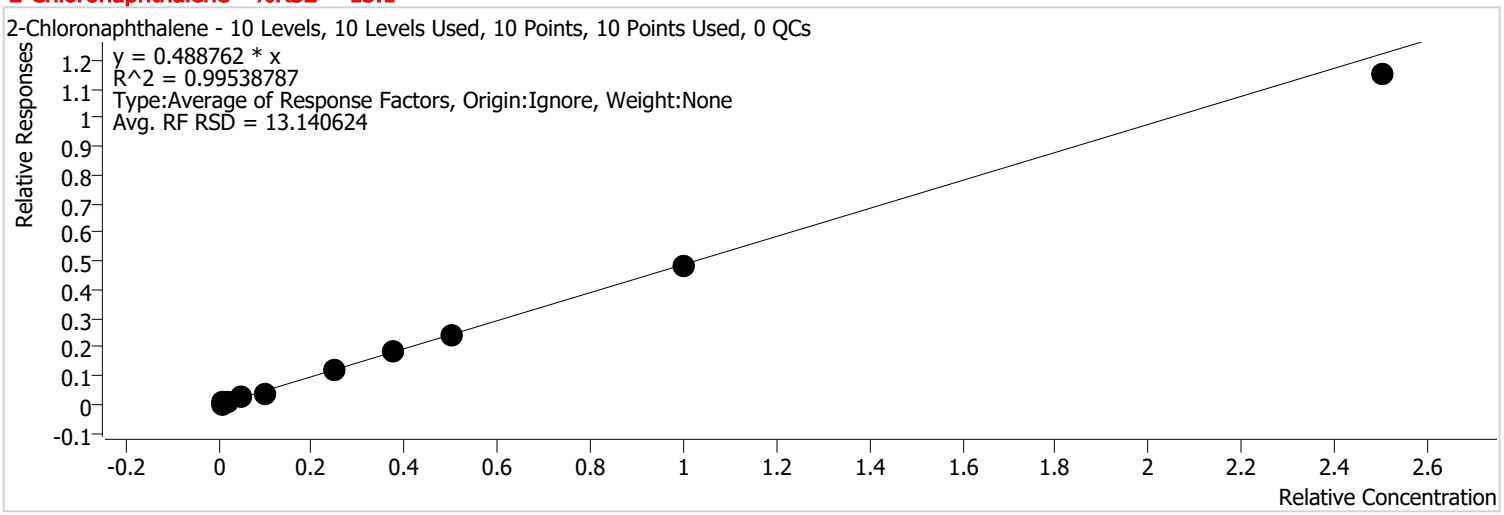
2-Fluorobiphenyl (surr) %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	1193	10.0000	0.6573	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	2611	20.0000	0.4756	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	7971	50.0000	0.6538	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	13050	100.0000	0.4856	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	43939	250.0000	0.6227	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	62917	375.0000	0.5891	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	79570	500.0000	0.5669	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	155169	1000.0000	0.5616	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	383853	2500.0000	0.5481	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

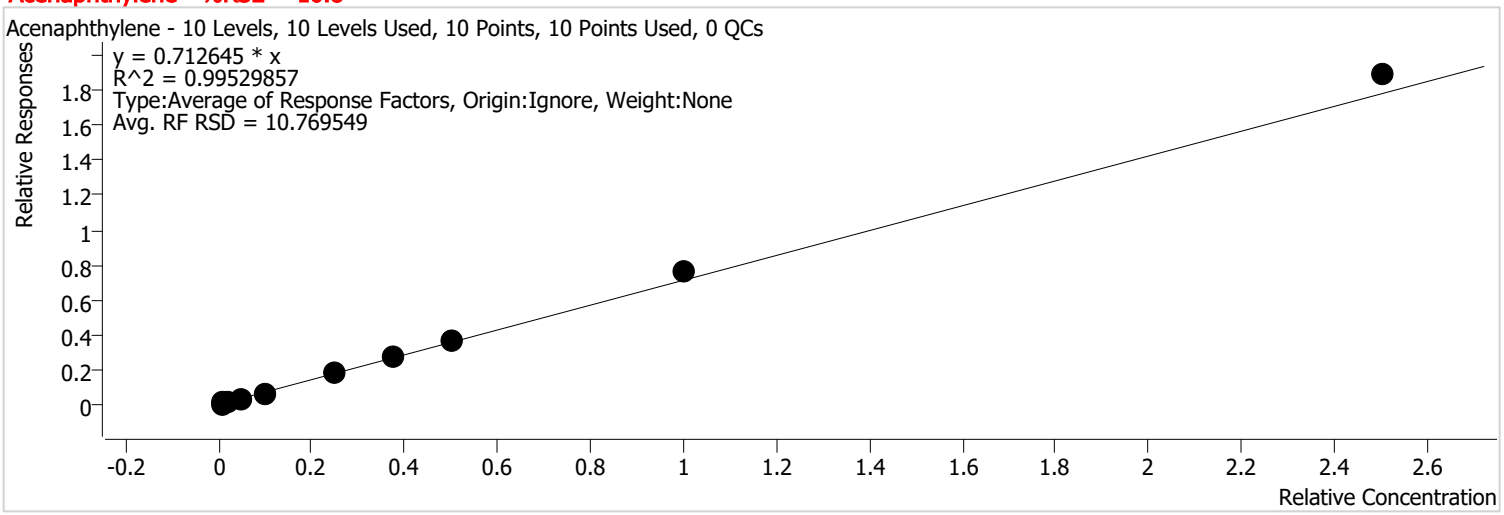
2-Chloronaphthalene %RSE = 13.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	4423	40.0000	0.4029	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	12672	100.0000	0.5197	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	21322	200.0000	0.3967	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	70778	500.0000	0.5016	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	106795	750.0000	0.5000	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	135144	1000.0000	0.4814	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	269301	2000.0000	0.4873	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	644219	5000.0000	0.4599	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Acenaphthylene %RSE = 10.8

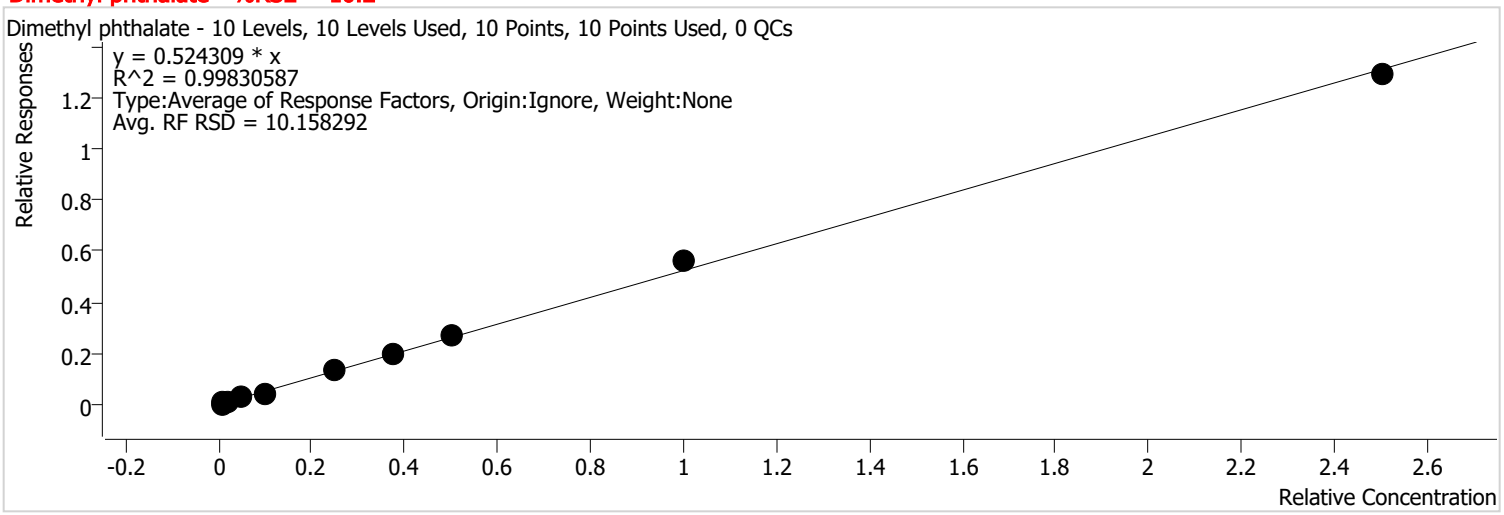


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\051625\051619.D	Calibration	1	x	1482	10.0000	0.8106	
C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	2647	20.0000	0.7294	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	6320	40.0000	0.5757	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	17701	100.0000	0.7259	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	30909	200.0000	0.5750	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	103092	500.0000	0.7305	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	155930	750.0000	0.7300	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	205431	1000.0000	0.7318	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	420682	2000.0000	0.7612	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	1059328	5000.0000	0.7563	

Calibration Report

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

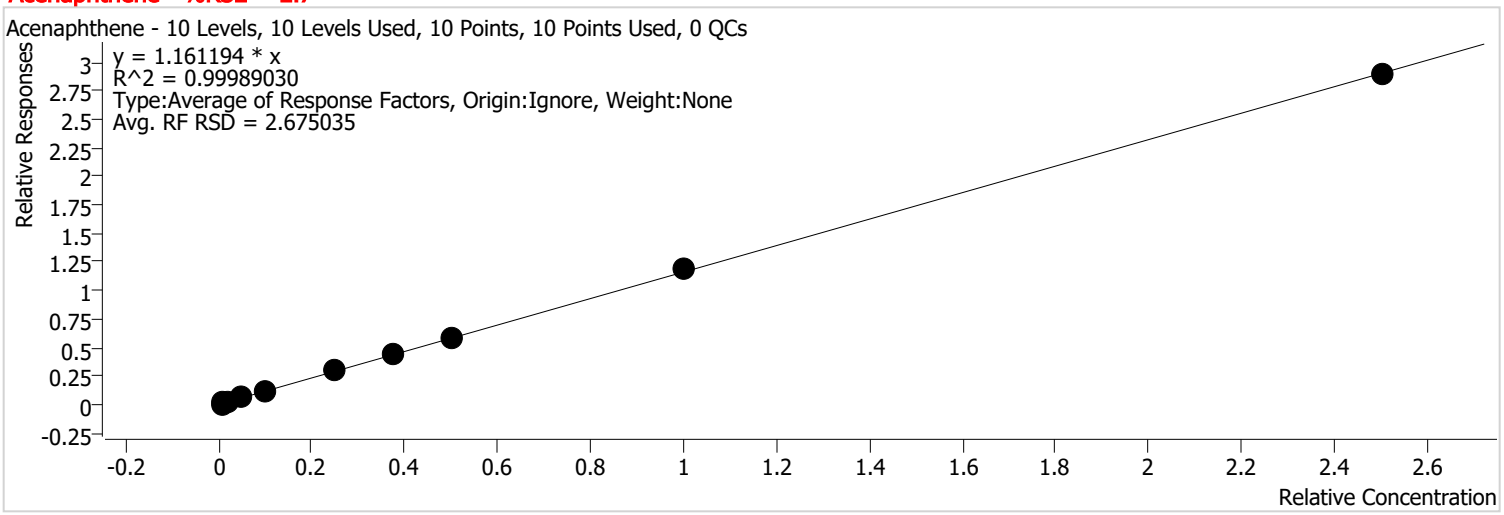
Dimethyl phthalate %RSE = 10.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\051625\051619.D	Calibration	1	x	1068	10.0000	0.5844	
C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	1917	20.0000	0.5283	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	4730	40.0000	0.4309	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	13295	100.0000	0.5452	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	23050	200.0000	0.4288	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	78670	500.0000	0.5575	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	115560	750.0000	0.5410	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	152992	1000.0000	0.5450	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	312796	2000.0000	0.5660	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	722651	5000.0000	0.5159	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

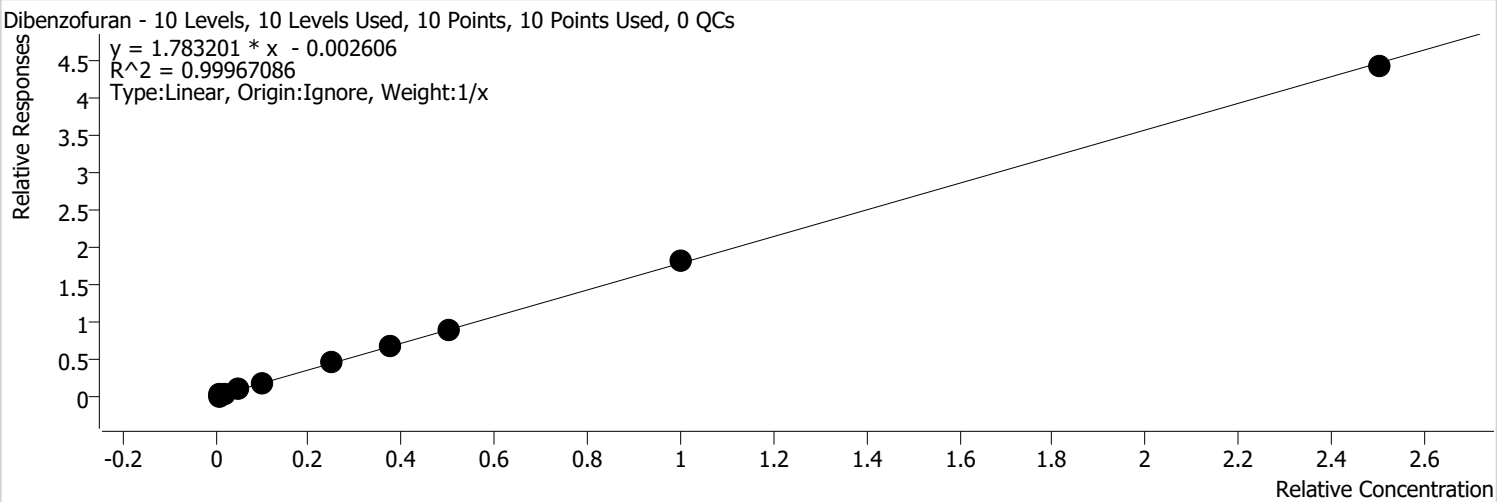
Acenaphthene %RSE = 2.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\051625\051619.D	Calibration	1	x	1122	10.0000	1.1834	
C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	2028	20.0000	1.1037	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	4582	40.0000	1.1654	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	12100	100.0000	1.1613	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	22463	200.0000	1.1135	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	69799	500.0000	1.2040	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	98153	750.0000	1.1639	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	128516	1000.0000	1.1789	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	255149	2000.0000	1.1816	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	628446	5000.0000	1.1561	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

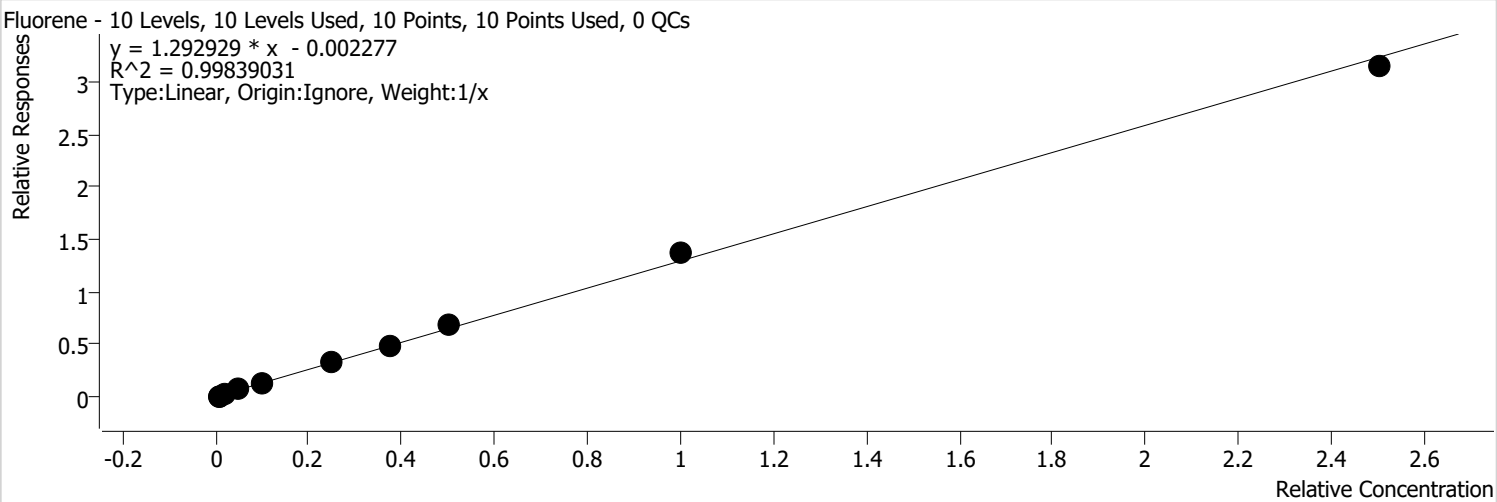
Dibenzofuran %RSE = 6.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\051625\051619.D	Calibration	1	x	1416	10.0000	1.4939	
C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	2470	20.0000	1.3444	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	6407	40.0000	1.6294	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	17928	100.0000	1.7207	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	33237	200.0000	1.6476	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	105284	500.0000	1.8162	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	150514	750.0000	1.7848	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	196108	1000.0000	1.7990	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	392326	2000.0000	1.8169	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	958268	5000.0000	1.7629	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

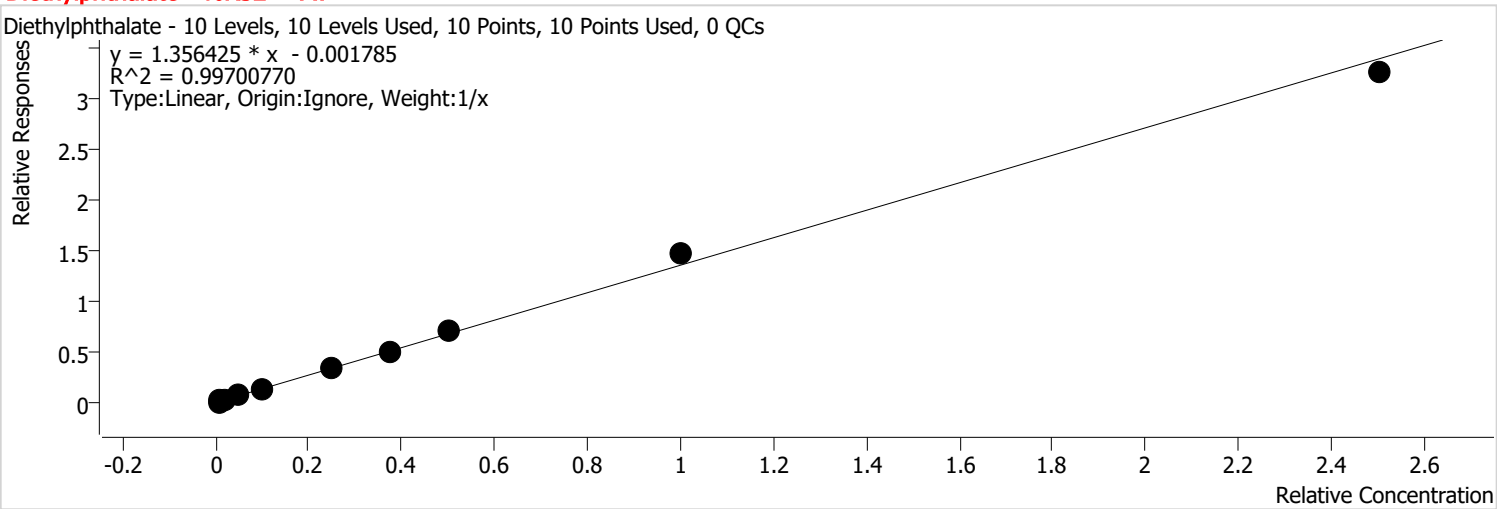
Fluorene %RSE = 7.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\051625\051619.D	Calibration	1	x	962	10.0000	1.0144	
C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	1705	20.0000	0.9280	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	4546	40.0000	1.1562	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	13008	100.0000	1.2484	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	23280	200.0000	1.1540	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	75547	500.0000	1.3032	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	107261	750.0000	1.2719	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	146361	1000.0000	1.3426	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	295025	2000.0000	1.3663	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	682873	5000.0000	1.2562	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

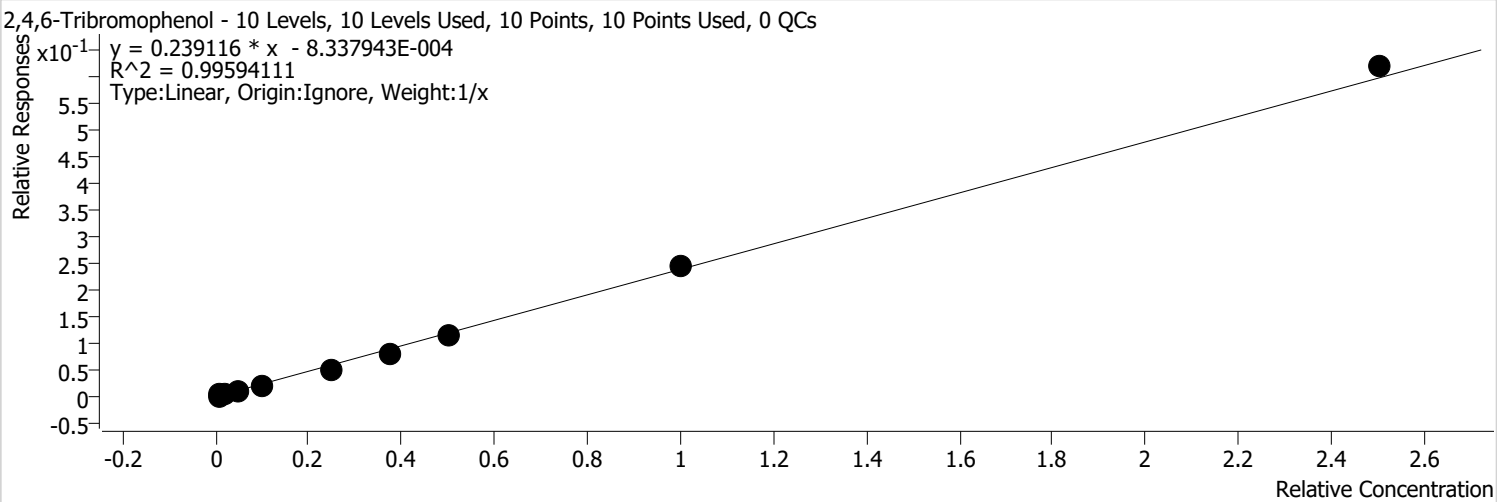
Diethylphthalate %RSE = 7.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\051625\051619.D	Calibration	1	x	1123	10.0000	1.1850	
C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	1910	20.0000	1.0398	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	4797	40.0000	1.2199	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	13484	100.0000	1.2941	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	25121	200.0000	1.2453	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	78173	500.0000	1.3485	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	113017	750.0000	1.3401	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	154820	1000.0000	1.4202	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	318174	2000.0000	1.4735	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	707388	5000.0000	1.3013	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

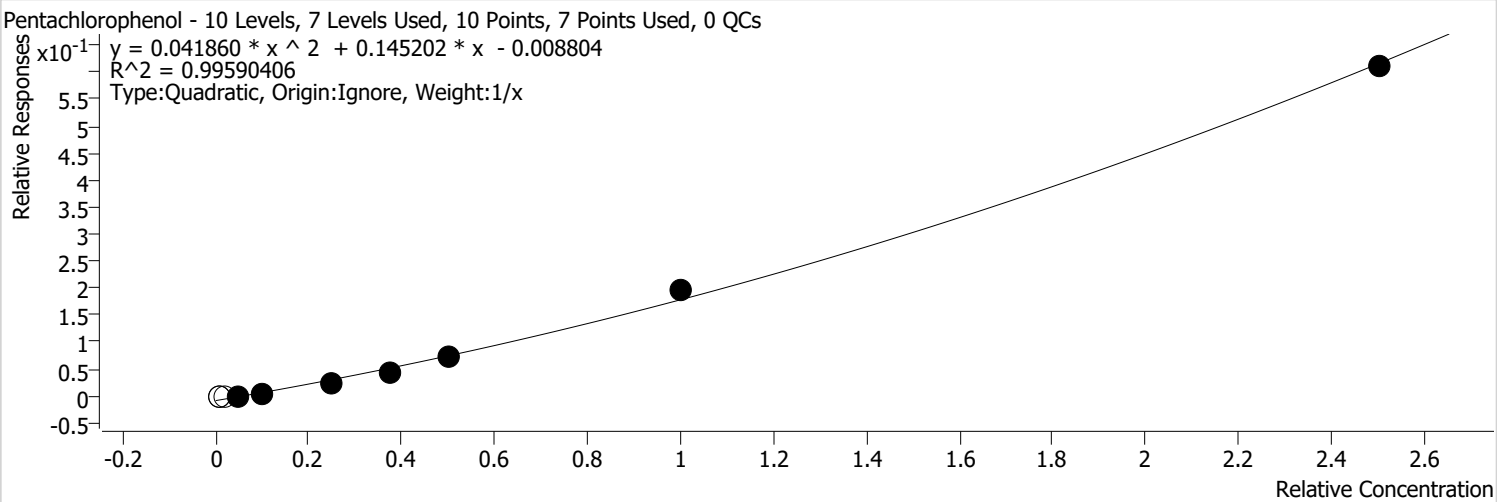
2,4,6-Tribromophenol %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\051625\051619.D	Calibration	1	x	169	10.0000	0.1786	
C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	324	20.0000	0.1765	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	739	40.0000	0.1880	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	2050	100.0000	0.1968	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	3909	200.0000	0.1938	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	11817	500.0000	0.2038	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	17716	750.0000	0.2101	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	24582	1000.0000	0.2255	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	53008	2000.0000	0.2455	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	134420	5000.0000	0.2473	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

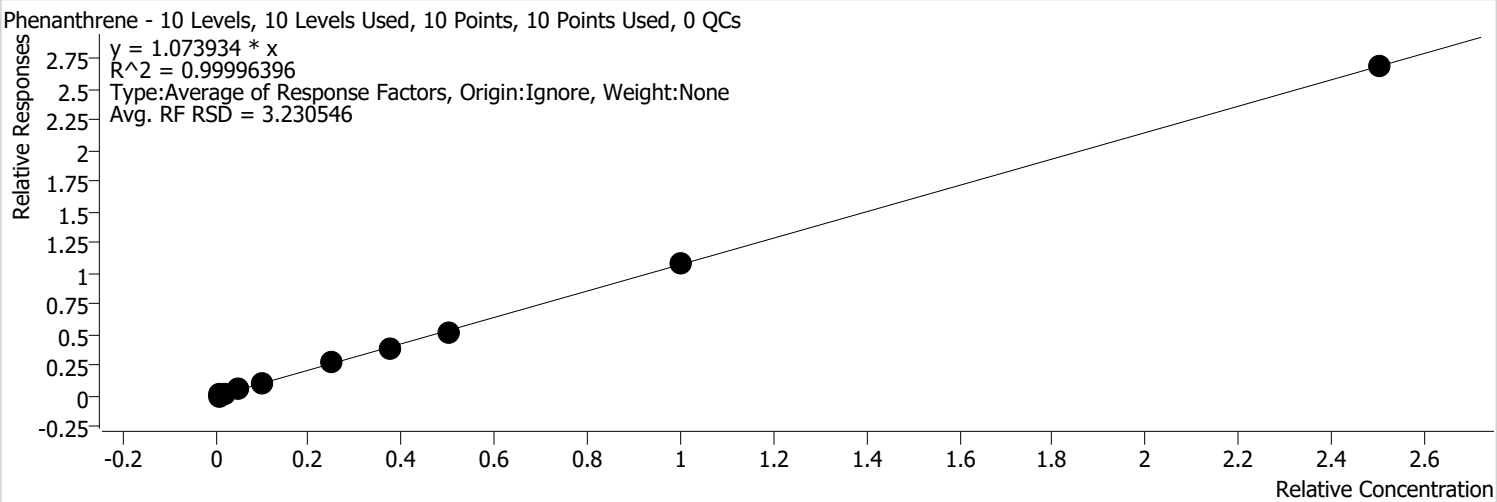
Pentachlorophenol %RSE = 19.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\051625\051619.D	Calibration	1		32	10.0000	0.0342	
C:\GC-14\Data\2025\051625\051620.D	Calibration	2		52	20.0000	0.0285	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3		49	40.0000	0.0124	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	199	100.0000	0.0191	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	749	200.0000	0.0371	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	5920	500.0000	0.1021	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	9962	750.0000	0.1181	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	15901	1000.0000	0.1459	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	42564	2000.0000	0.1971	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	132666	5000.0000	0.2441	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

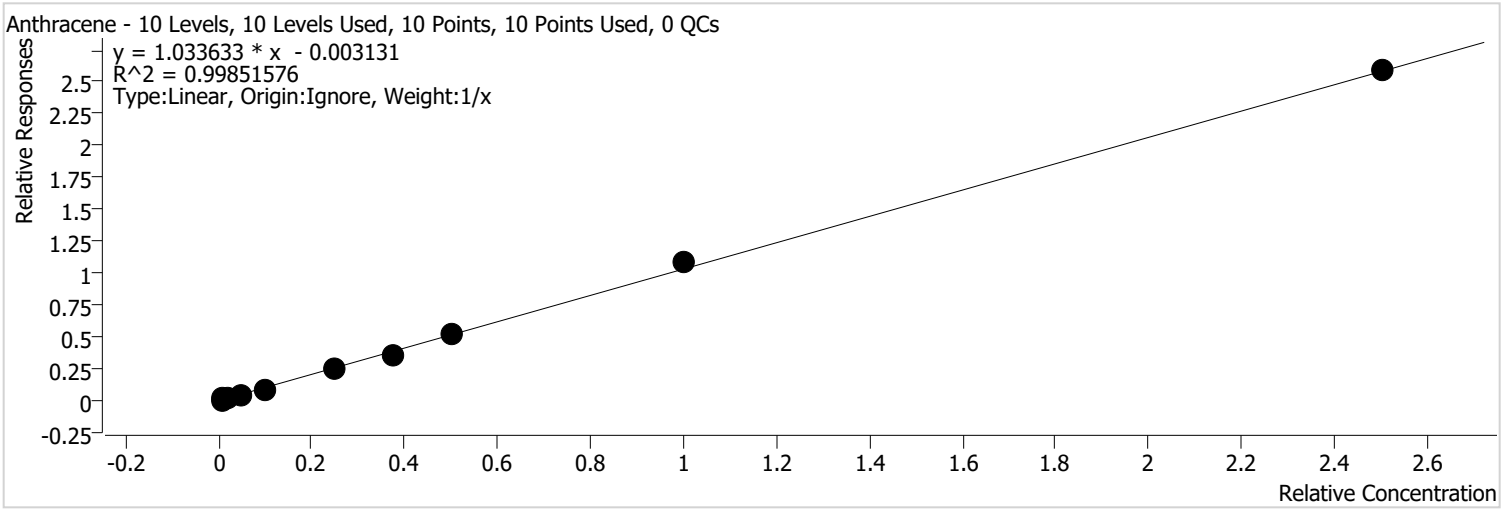
Phenanthrene %RSE = 3.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\051625\051619.D	Calibration	1	x	1447	10.0000	1.1558	
C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	3325	20.0000	1.1023	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	6647	40.0000	1.0364	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	21462	100.0000	1.0596	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	33366	200.0000	1.0468	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	106638	500.0000	1.0815	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	149923	750.0000	1.0540	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	191965	1000.0000	1.0513	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	399585	2000.0000	1.0787	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	890793	5000.0000	1.0729	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

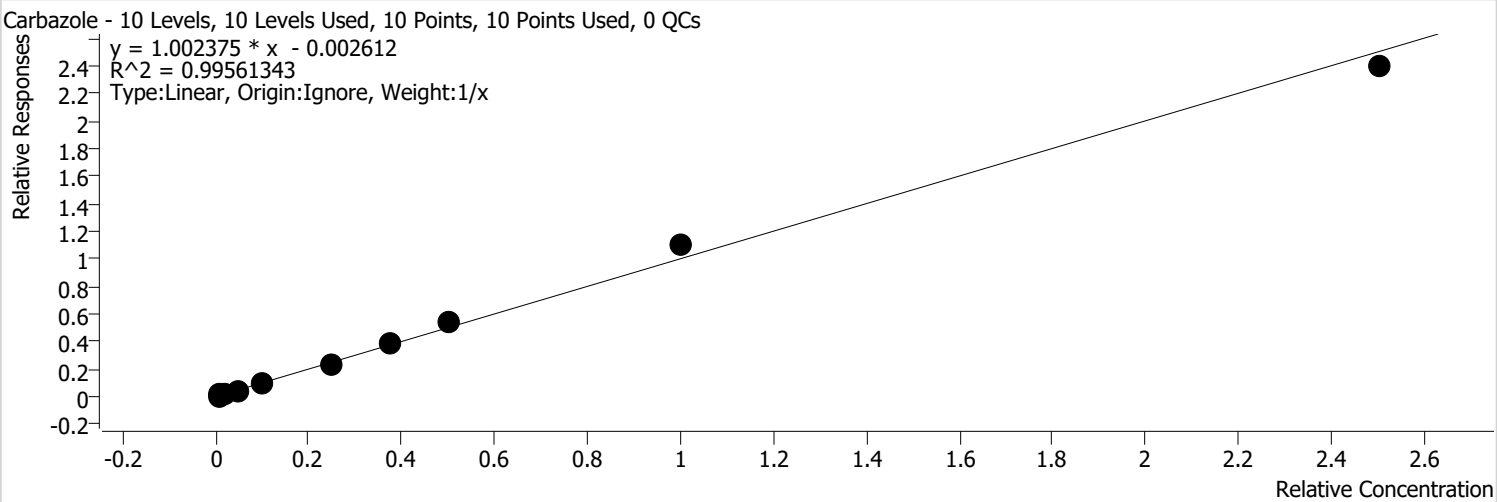
Anthracene %RSE = 15.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	2256	20.0000	0.7478	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	4989	40.0000	0.7779	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	16667	100.0000	0.8229	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	28130	200.0000	0.8825	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	97743	500.0000	0.9913	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	137438	750.0000	0.9662	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	186388	1000.0000	1.0208	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	399055	2000.0000	1.0772	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	858877	5000.0000	1.0345	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

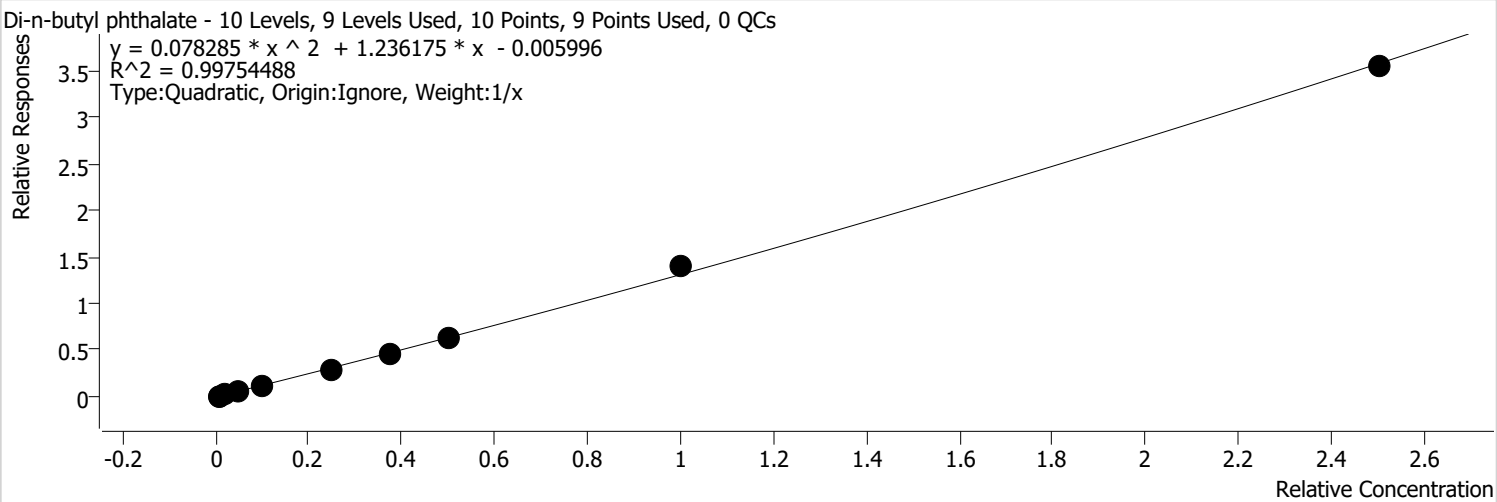
Carbazole %RSE = 12.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	2290	20.0000	0.7593	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	4845	40.0000	0.7554	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	16095	100.0000	0.7947	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	28144	200.0000	0.8830	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	93056	500.0000	0.9438	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	144261	750.0000	1.0142	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	194229	1000.0000	1.0637	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	406988	2000.0000	1.0987	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	795062	5000.0000	0.9576	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

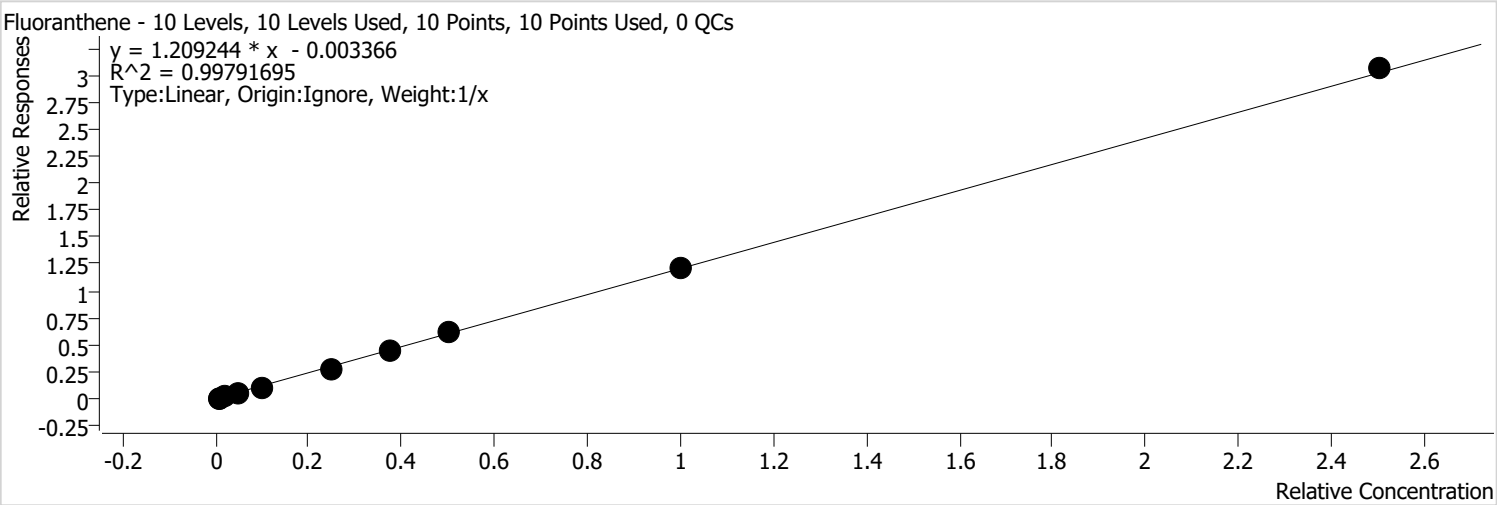
Di-n-butyl phthalate %RSE = 15.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\051625\051619.D	Calibration	1		1597	10.0000	1.2759	
C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	2858	20.0000	0.9476	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	6866	40.0000	1.0705	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	18321	100.0000	0.9045	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	32379	200.0000	1.0159	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	111343	500.0000	1.1292	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	175820	750.0000	1.2361	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	225072	1000.0000	1.2326	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	522141	2000.0000	1.4095	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	1175785	5000.0000	1.4162	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

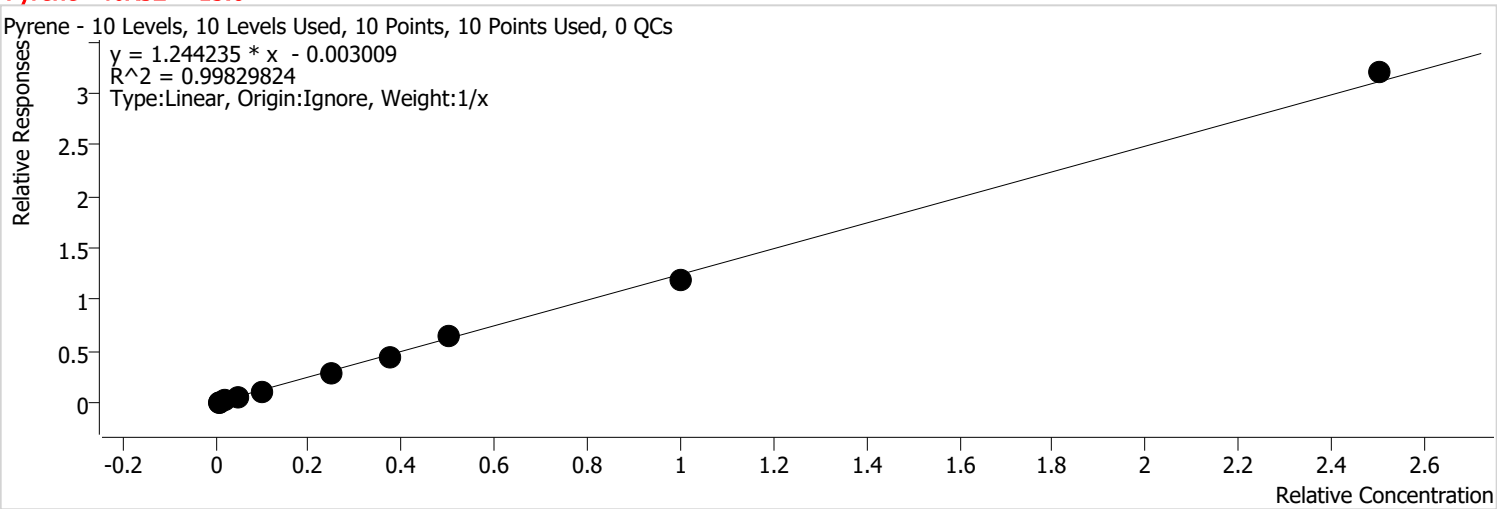
Fluoranthene %RSE = 18.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\051625\051619.D	Calibration	1	x	1347	10.0000	1.0760	
C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	2474	20.0000	0.8202	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	6443	40.0000	1.0045	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	20128	100.0000	0.9937	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	31502	200.0000	0.9884	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	102899	500.0000	1.0436	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	166083	750.0000	1.1676	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	226287	1000.0000	1.2393	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	452817	2000.0000	1.2224	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	1016146	5000.0000	1.2239	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

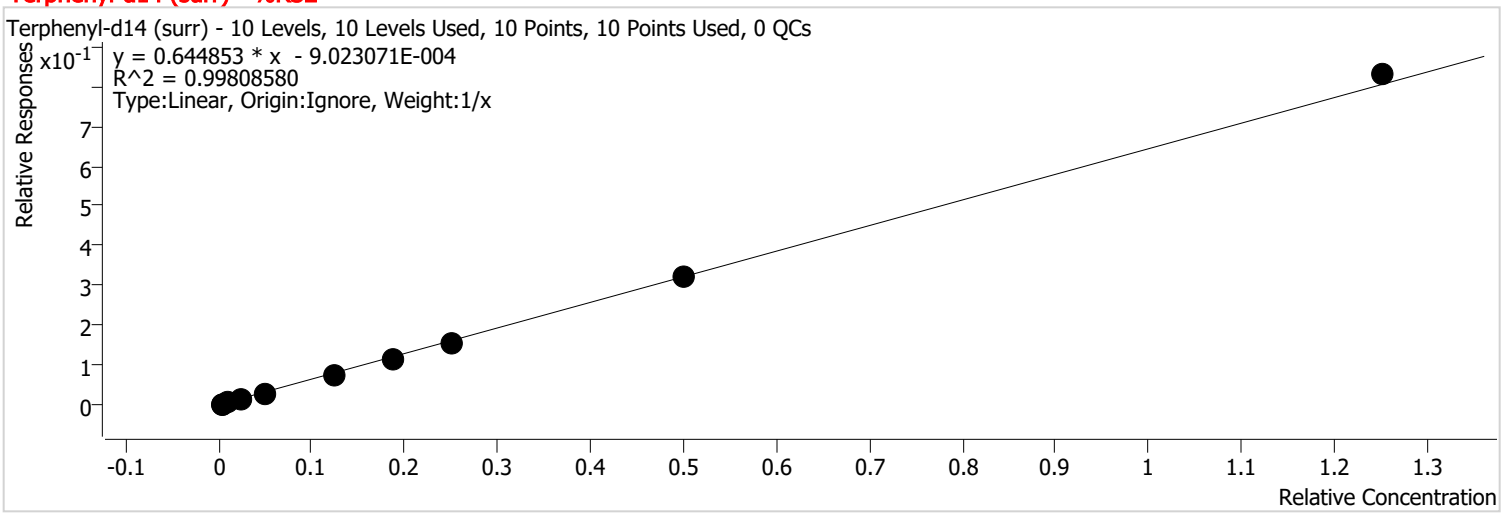
Pyrene %RSE = 13.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\051625\051619.D	Calibration	1	x	1342	10.0000	1.0722	
C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	2624	20.0000	0.8700	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	6866	40.0000	1.0705	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	22321	100.0000	1.1020	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	34362	200.0000	1.0781	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	115577	500.0000	1.1722	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	164263	750.0000	1.1548	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	232201	1000.0000	1.2717	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	444084	2000.0000	1.1988	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	1061215	5000.0000	1.2782	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

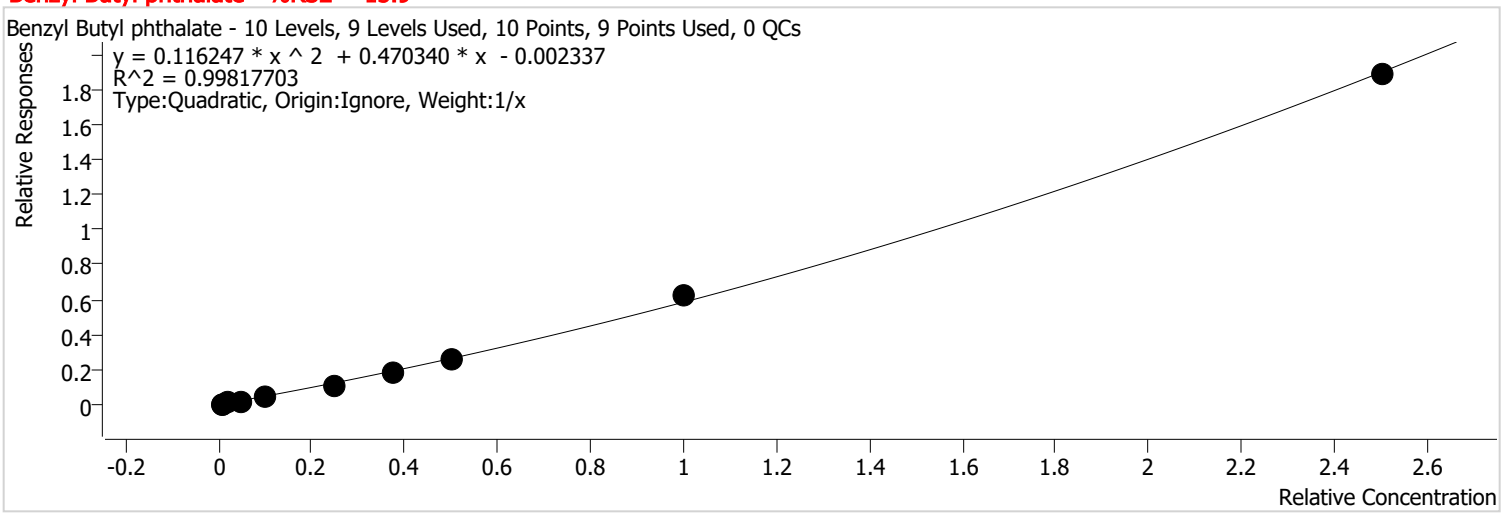
Terphenyl-d14 (surr) %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\051625\051619.D	Calibration	1	x	349	5.0000	0.5577	
C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	680	10.0000	0.4509	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	1665	20.0000	0.5193	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	5711	50.0000	0.5639	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	8403	100.0000	0.5273	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	29563	250.0000	0.5996	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	43311	375.0000	0.6090	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	55883	500.0000	0.6121	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	118681	1000.0000	0.6408	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	275636	2500.0000	0.6640	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

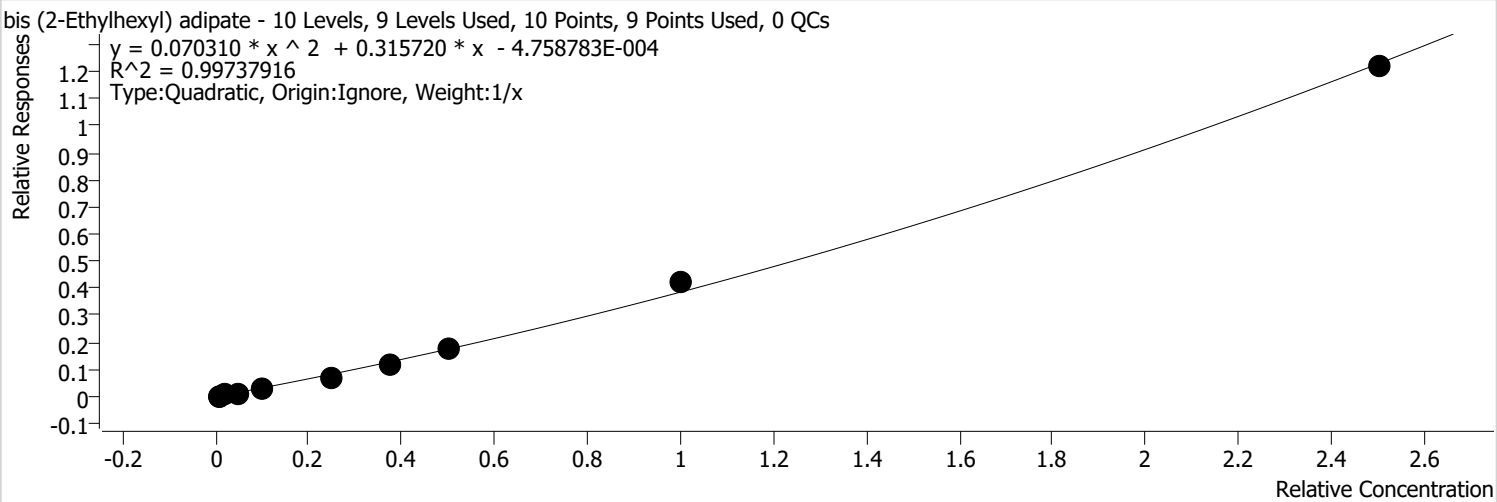
Benzyl Butyl phthalate %RSE = 15.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\051625\051619.D	Calibration	1		636	10.0000	0.5078	
C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	1140	20.0000	0.3780	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	2505	40.0000	0.3906	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	7022	100.0000	0.3467	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	12858	200.0000	0.4034	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	42927	500.0000	0.4354	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	69024	750.0000	0.4853	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	96267	1000.0000	0.5272	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	232078	2000.0000	0.6265	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	626238	5000.0000	0.7543	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

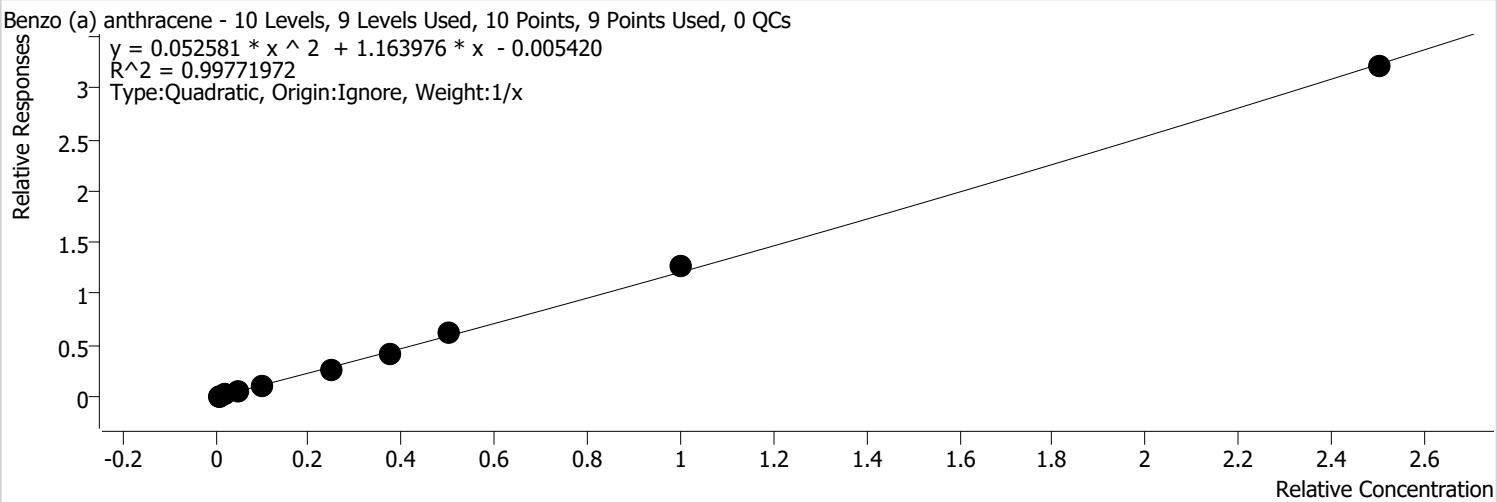
bis (2-Ethylhexyl) adipate %RSE = 13.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\051625\051619.D	Calibration	1		687	10.0000	0.5486	
C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	995	20.0000	0.3299	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	2170	40.0000	0.3383	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	5223	100.0000	0.2579	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	9659	200.0000	0.3030	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	28759	500.0000	0.2917	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	44235	750.0000	0.3110	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	63862	1000.0000	0.3498	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	155786	2000.0000	0.4205	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	404175	5000.0000	0.4868	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

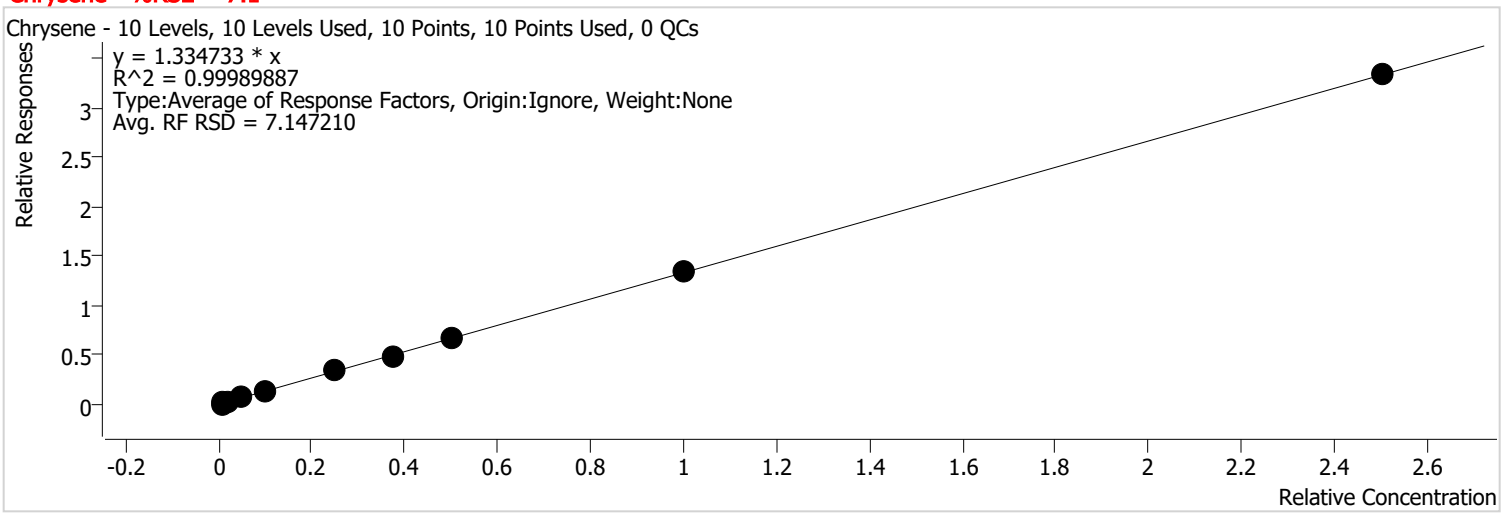
Benzo (a) anthracene %RSE = 15.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\051625\051619.D	Calibration	1		1992	10.0000	1.5911	
C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	2731	20.0000	0.9053	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	6613	40.0000	1.0311	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	16915	100.0000	0.8351	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	30827	200.0000	0.9672	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	102587	500.0000	1.0404	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	159378	750.0000	1.1205	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	227606	1000.0000	1.2465	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	469753	2000.0000	1.2681	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	1066033	5000.0000	1.2840	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

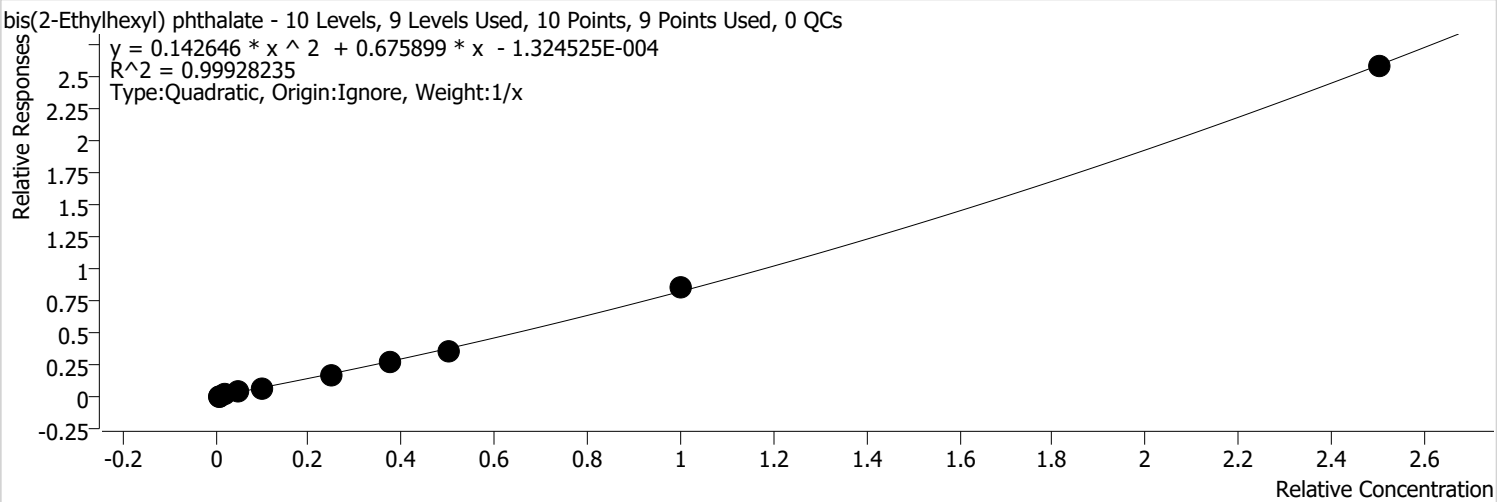
Chrysene %RSE = 7.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\051625\051619.D	Calibration	1	x	973	10.0000	1.0839	
C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	2848	20.0000	1.3508	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	7552	40.0000	1.3691	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	19526	100.0000	1.3808	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	39296	200.0000	1.4211	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	113455	500.0000	1.4179	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	154757	750.0000	1.3114	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	220869	1000.0000	1.3232	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	456174	2000.0000	1.3533	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	1013365	5000.0000	1.3358	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

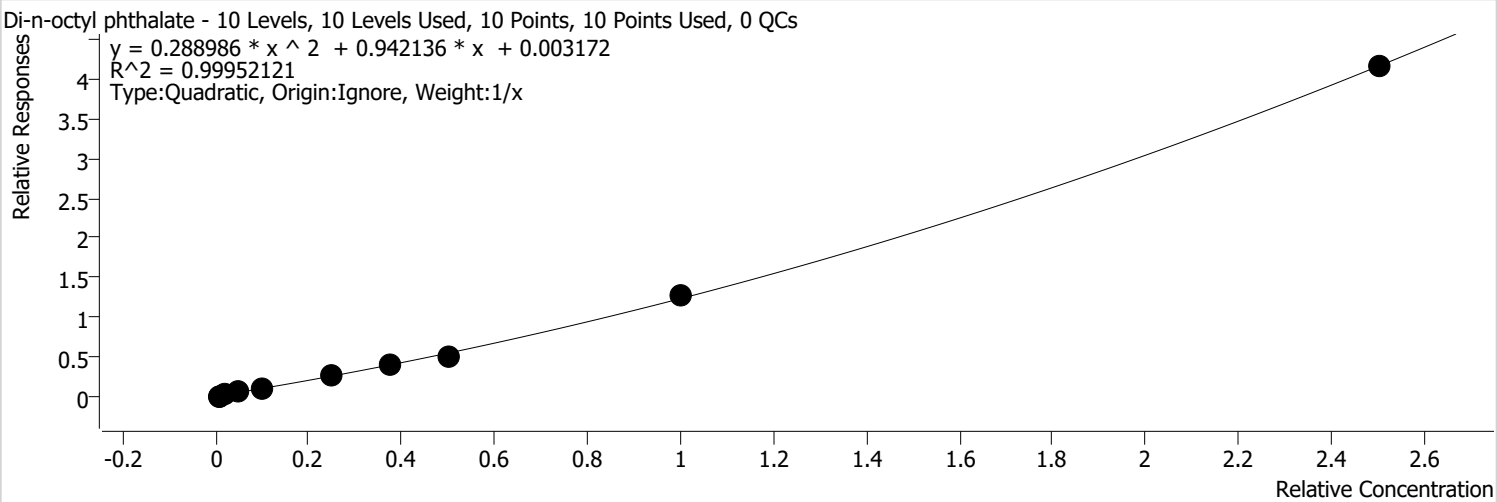
bis(2-Ethylhexyl) phthalate %RSE = 7.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\051625\051619.D	Calibration	1		881	10.0000	0.9819	
C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	1599	20.0000	0.7584	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	3589	40.0000	0.6507	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	9749	100.0000	0.6894	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	17421	200.0000	0.6300	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	54690	500.0000	0.6835	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	86503	750.0000	0.7330	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	119108	1000.0000	0.7136	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	288780	2000.0000	0.8567	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	779810	5000.0000	1.0279	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

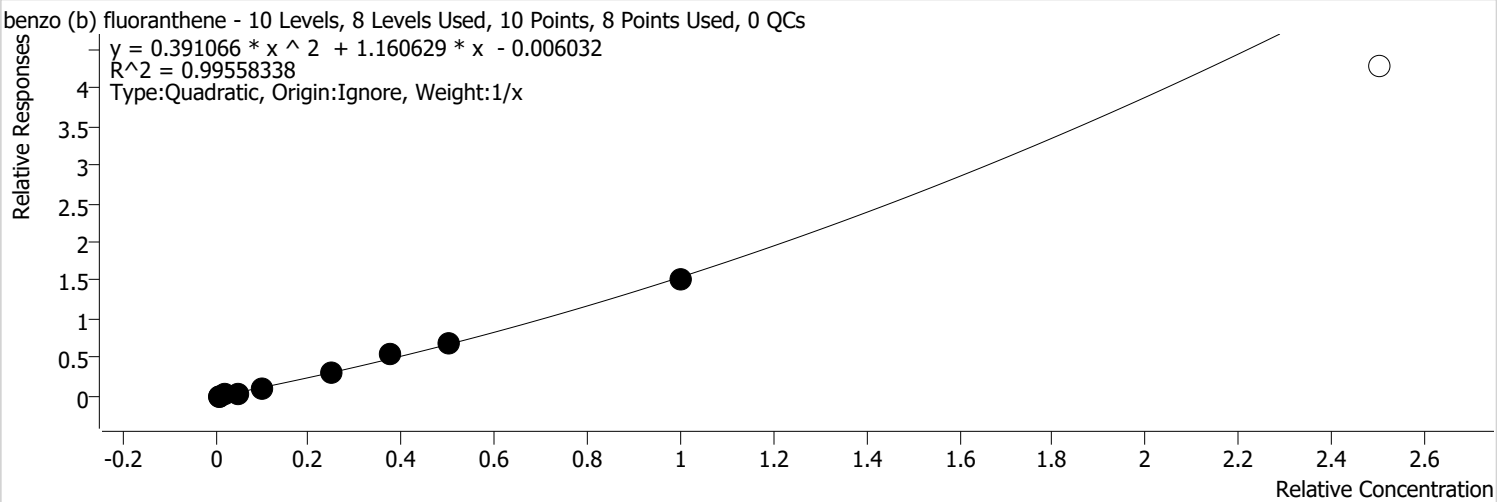
Di-n-octyl phthalate %RSE = 5.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\051625\051619.D	Calibration	1	x	1397	10.0000	1.5564	
C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	2567	20.0000	1.2176	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	5982	40.0000	1.0844	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	15737	100.0000	1.1129	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	28395	200.0000	1.0269	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	82367	500.0000	1.0294	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	126946	750.0000	1.0758	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	169629	1000.0000	1.0162	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	426714	2000.0000	1.2659	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	1261877	5000.0000	1.6634	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

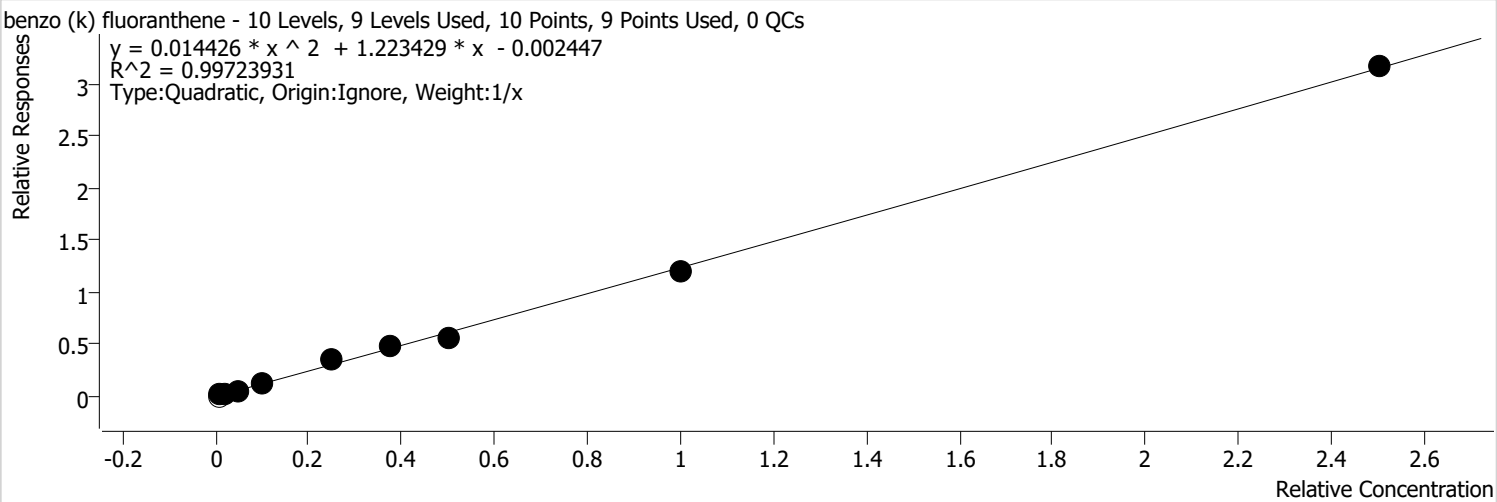
benzo (b) fluoranthene %RSE = 16.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	1693	20.0000	0.8030	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	5414	40.0000	0.9815	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	12338	100.0000	0.8725	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	24833	200.0000	0.8981	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	92379	500.0000	1.1545	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	168497	750.0000	1.4279	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	230294	1000.0000	1.3797	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	514177	2000.0000	1.5254	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10		1296540	5000.0000	1.7091	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

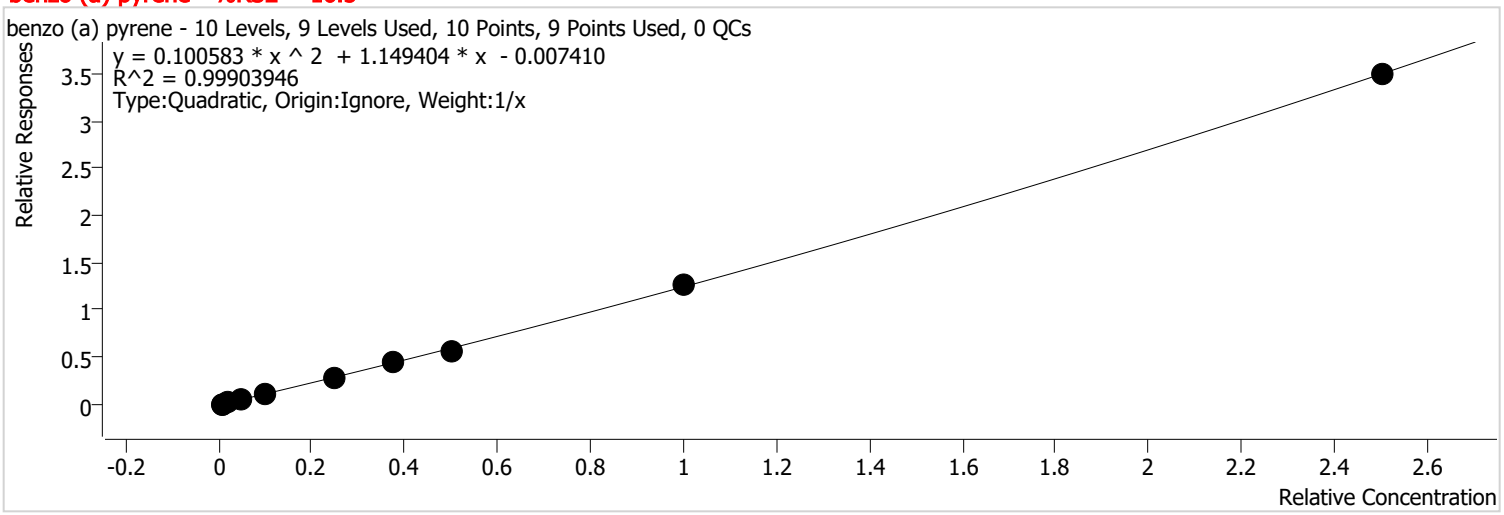
benzo (k) fluoranthene %RSE = 11.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	2264	20.0000	1.0741	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	4864	40.0000	0.8818	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	15482	100.0000	1.0948	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	35661	200.0000	1.2897	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	113620	500.0000	1.4200	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	148577	750.0000	1.2591	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	188262	1000.0000	1.1278	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	405546	2000.0000	1.2031	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	959375	5000.0000	1.2647	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

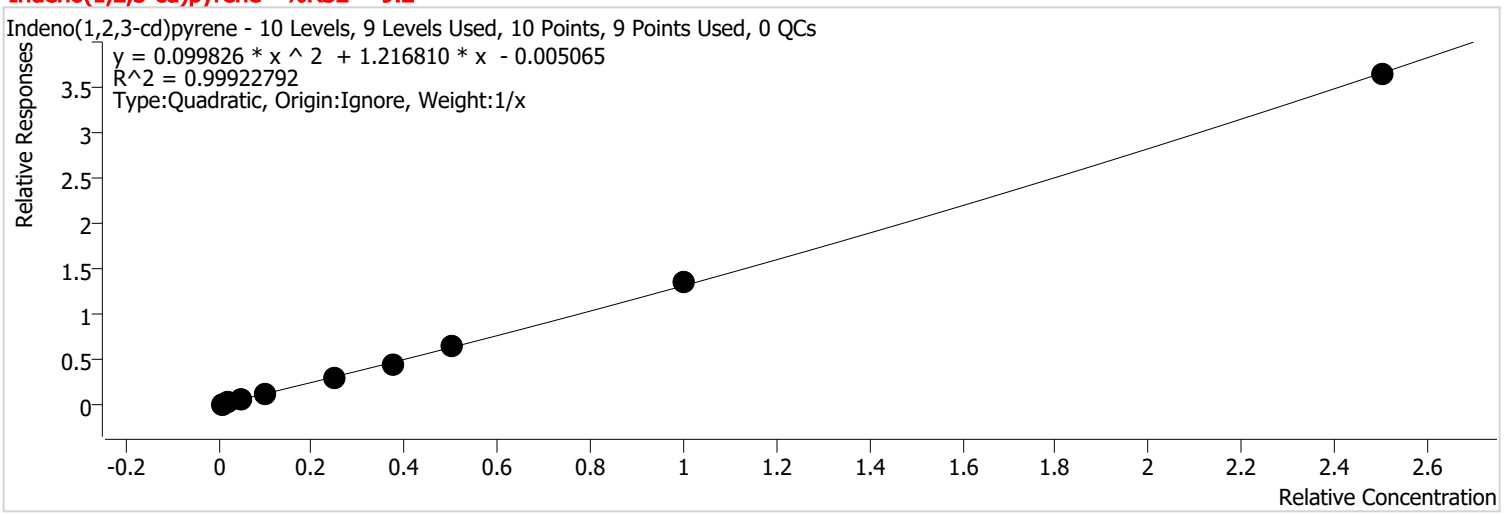
benzo (a) pyrene %RSE = 16.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\051625\051619.D	Calibration	1		773	10.0000	0.8615	
C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	1656	20.0000	0.7854	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	3645	40.0000	0.6608	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	10976	100.0000	0.7762	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	28298	200.0000	1.0234	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	91836	500.0000	1.1477	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	144161	750.0000	1.2217	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	190689	1000.0000	1.1424	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	427239	2000.0000	1.2674	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	1057926	5000.0000	1.3946	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

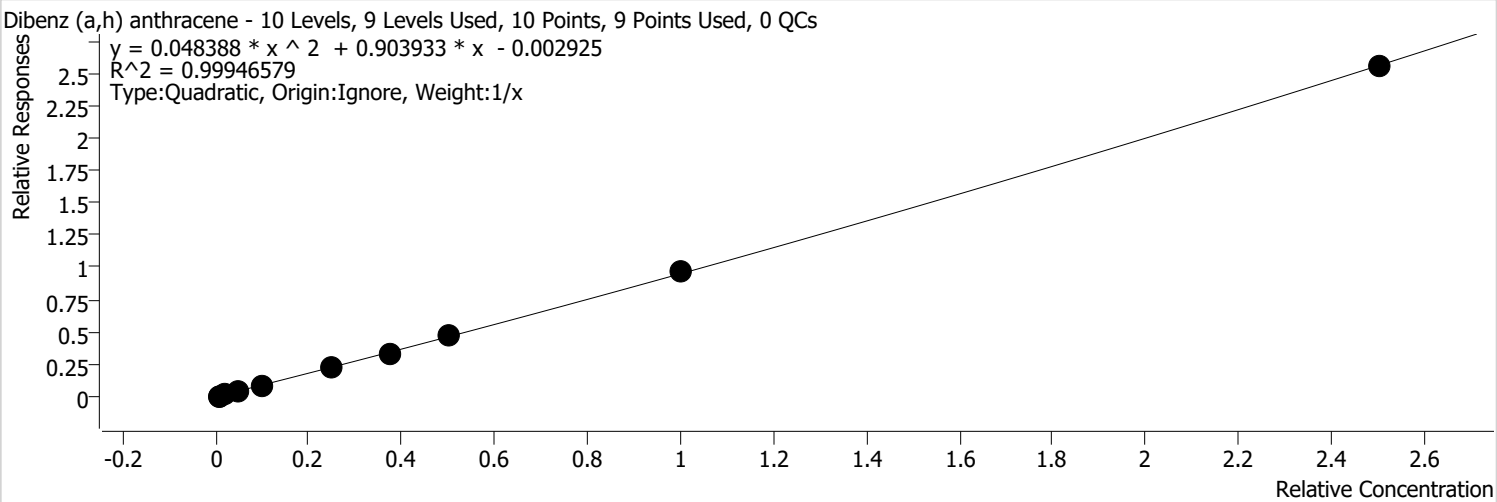
Indeno(1,2,3-cd)pyrene %RSE = 9.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\051625\051619.D	Calibration	1		1169	10.0000	1.1969	
C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	2196	20.0000	0.9062	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	5033	40.0000	1.0308	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	14946	100.0000	1.0008	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	32101	200.0000	1.0596	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	101326	500.0000	1.1824	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	153557	750.0000	1.1924	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	211966	1000.0000	1.2784	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	465827	2000.0000	1.3604	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	1178765	5000.0000	1.4574	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

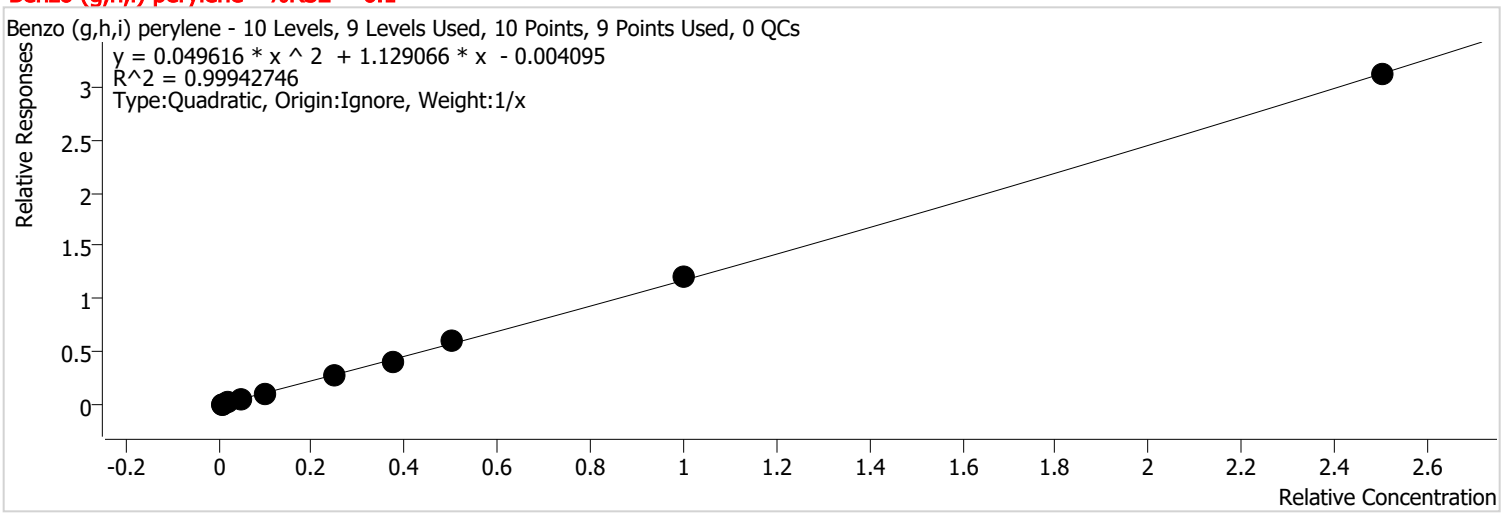
Dibenz (a,h) anthracene %RSE = 6.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\051625\051619.D	Calibration	1		920	10.0000	0.9419	
C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	1709	20.0000	0.7054	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	3933	40.0000	0.8055	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	11651	100.0000	0.7801	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	24710	200.0000	0.8156	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	76773	500.0000	0.8959	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	112315	750.0000	0.8722	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	156476	1000.0000	0.9437	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	333269	2000.0000	0.9733	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	825177	5000.0000	1.0202	

Batch Path	C:\GC-14\Data\2025\051625\QuantResults\PAH ICAL.batch.bin		
Analysis Time	5/19/2025 12:27 PM	**Analyst Name**	FA\GC14
Report Time	5/19/2025 12:34:02 PM	**Reporter Name**	FA\GC14
Last Calib Update	5/19/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Benzo (g,h,i) perylene %RSE = 6.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
C:\GC-14\Data\2025\051625\051619.D	Calibration	1		1114	10.0000	1.1402	
C:\GC-14\Data\2025\051625\051620.D	Calibration	2	x	1975	20.0000	0.8149	
C:\GC-14\Data\2025\051625\051621.D	Calibration	3	x	4800	40.0000	0.9832	
C:\GC-14\Data\2025\051625\051622.D	Calibration	4	x	14330	100.0000	0.9595	
C:\GC-14\Data\2025\051625\051623.D	Calibration	5	x	32344	200.0000	1.0676	
C:\GC-14\Data\2025\051625\051624.D	Calibration	6	x	91631	500.0000	1.0692	
C:\GC-14\Data\2025\051625\051625.D	Calibration	7	x	140628	750.0000	1.0920	
C:\GC-14\Data\2025\051625\051626.D	Calibration	8	x	197217	1000.0000	1.1894	
C:\GC-14\Data\2025\051625\051627.D	Calibration	9	x	410231	2000.0000	1.1981	
C:\GC-14\Data\2025\051625\051628.D	Calibration	10	x	1009098	5000.0000	1.2476	

Semivolatile Calibration

	Cal	ICV
Date: 5/14/25		
Analyst: AHP	8270 Megamix: 30329	8270 Megamix: 30153
MeCl2: 8922	2,4-DNP: 30355	2,4-DNP: 30763
8270 Surrogate: 30853	Benzoic Acid: 30339	Benzoic Acid: 30614
Internal Standard: 31139	SVOC Adds: 30157	SVOC Adds: Benzidines: 26313 AHP 5/14/25

Spike Conc. (ppb)	BN/Acid Surr Conc. (ppb)	2° Spike (uL)	B/N Surr (uL)	Internal Standard (uL)	Remove (uL)	Final Vol. (mL)	Comments
2	2/1	0.2	--	10	10.2	1	For PAH-LL Cal Only
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	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		5	10	15	1	
ICV (1000 ppb)	1000/500	100 (2° SS)	--	10	110	1	

	Mega Mix (uL)	2,4-DNP (uL)	Benzoic Acid	8270 Surr	Benzidine	Final
2° Intermediate (cal)	100	100	100	500	50	10
2° Intermediate (SS)	10	10	10	50	5	1

Signature and Date: Alex Patt 5/14/25

Signature: AK

Calibration Checklist - SVOC

Analyst Name:	Alex Pates	**Test:**	O-PAH-SIM
Instrument:	GC-14	**Calibration Date:**	5/16/25
Run Number:	99848	**Reporting Date:**	5/19/25

Calibration Curve		**Analyst**	
Requirement	**Detail**	**Yes**	**No**
Number of Points	The calibration includes at least 5 points for linear, 6 for non-linear. Note any dropped or re-ran points.	✔	
Allowed Curve Fits	The calibration uses an RF, linear, or quadratic fit. Origin is either ignored or forced.	✔	
Curve Fit Weights	Allowed weights can be applied (none, 1/x, $1/x^2$). Cannot combine weights with forced origin.	✔	
R-Squared / RSD	r^2 ≥0.990 or RSD ≤15% (RSD ≤20% for non-DOD)	✔	
LOQ in Calibration	Are Omega LOQs within the calibration range? Note exceptions below	✔	
Notes on Section		**Reviewer**	
Benzo (b) fluoranthene high point is 2000ppb.		**Yes** ✔	**No**

Numerical Results		**Analyst**	
Requirement	**Detail**	**Yes**	**No**
Relative Error	At LOQ-Associated Point: 50-150%, Above LOQ Point: 80-120% (70-130% for non-DOD)	✔	
ICB Results	Calibration analytes are not detected in the ICB. Note exceptions below	✔	
ICV Results	Recoveries in the ICV are 80-120% (70-130% for non-DOD). Note exceptions below	✔	
Q Values	All Q-values are above 90. Note any exceptions below	✔	
Notes on Section		**Reviewer**	
		Yes ✔	**No**

Documentation		**Analyst**	
Requirement	**Detail**	**Yes**	**No**
Standards & Reagents	DCM, Surrogate, Internal Std. Cal and SS for: 8270 Megamix, 2,4-DNP, Benzoic Acid, SVOCADD (TRPH+Benzidines is equivalent to SVOCADD, combination may be used for SS)	✔	
ICV Second Source	ICV made from a separate source than calibration (excl. surrogate)	✔	
Documents Attached	Calibration benchsheet, injection log, tune check, chromatograms, initial calibration report, general calibration report	✔	
Notes on Section		**Reviewer**	
		Yes ✔	**No**

Other Requirements		**Analyst**	
Requirement	**Detail**	**Yes**	**No**
Tune/Degradation Check	The calibration is within a 12 hour window of a passing tune and breakdown check	✔	
Isomer Resolution	Structural isomers are at least 50% resolved in the midpoint and ICV	✔	
DoD-Specific	To meet DoD requirements r^2/RSD, RE, and ICV must all pass at their strictest requirements.	✔	
Notes on Section		**Reviewer**	
		Yes ✔	**No**

Additional Notes Section

Signatures

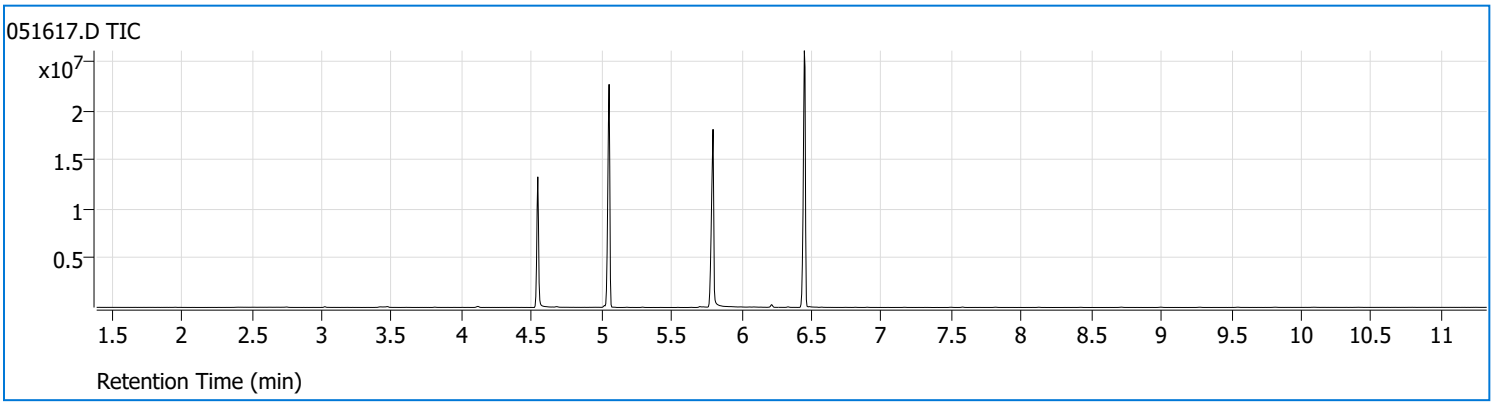
This calibration meets the QA Program of Alliance Technical Group, LLC - Seattle, with any deviations enumerated above:

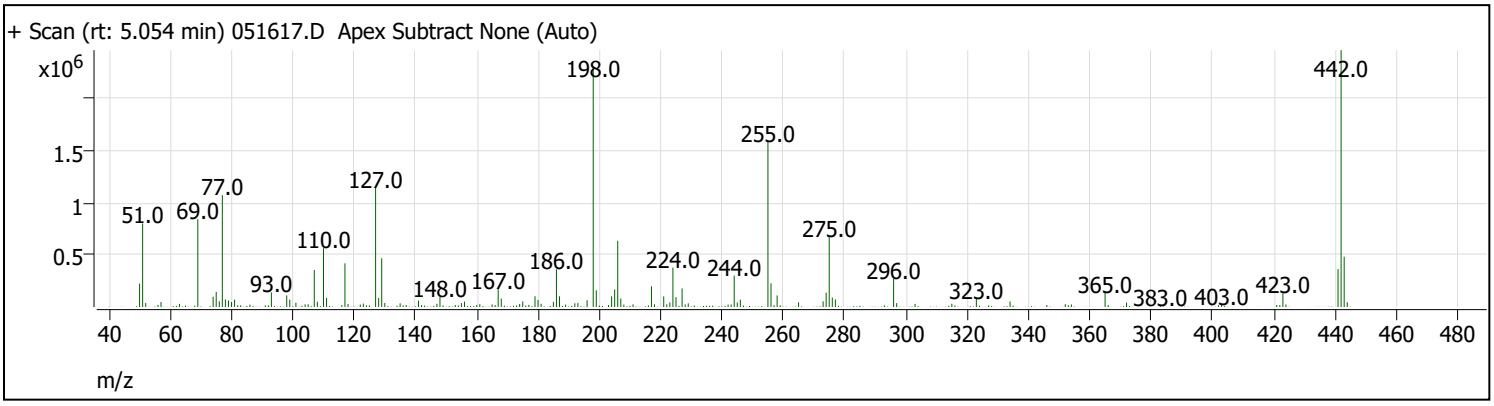
Analyst Initials:	AHP	**Date:**	5/19/25
Reviewer Initials:	Savannah Houser	**Date:**	5/19/25

Tunes

Tune Evaluation Report

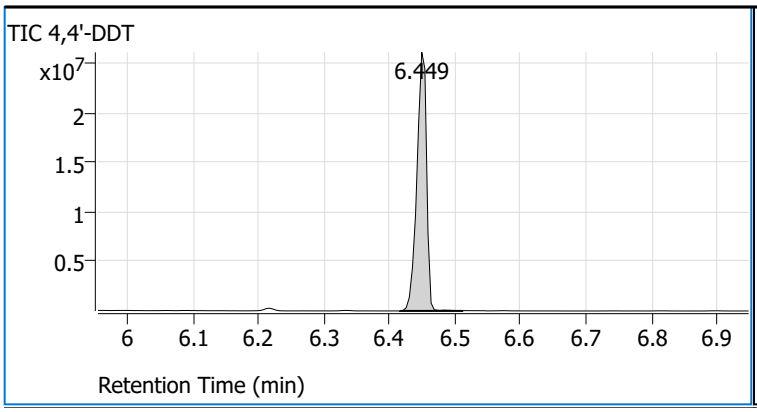
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Operator: FA\GC14
Sample: tune
Inst Name: GC-14
ALS Vial: 1
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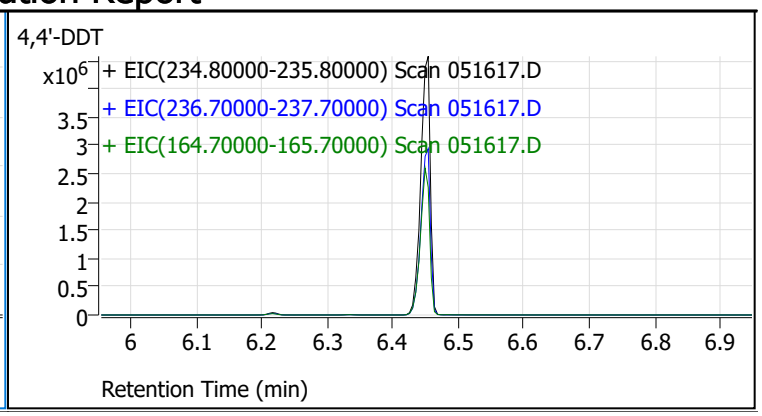


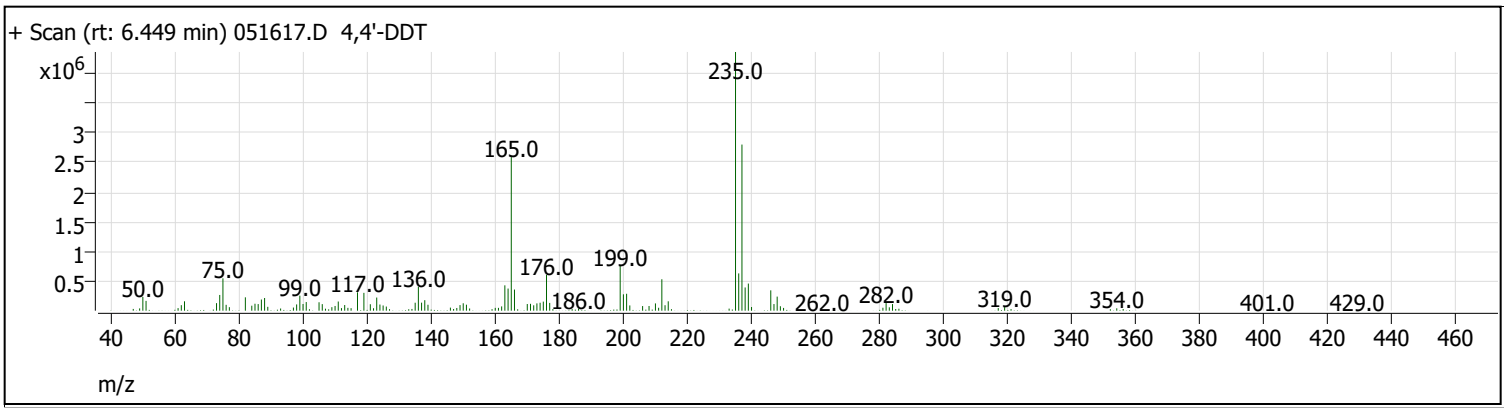


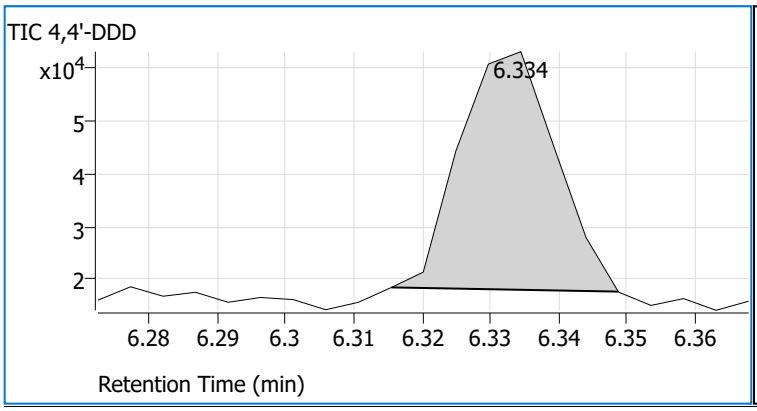
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	1.5	12802	Pass
70	69	0	2	0.5	4153	Pass
197	198	0	2	0.0	0	Pass
198	198	100	100	100.0	2301440	Pass
199	198	5	9	6.9	159680	Pass
365	442	1	100	5.6	136896	Pass
441	443	1E-10	99	75.6	364352	Pass
442	442	100	100	100.0	2460672	Pass
443	442	15	24	19.6	482048	Pass
69	69	100	100	100.0	841216	Pass

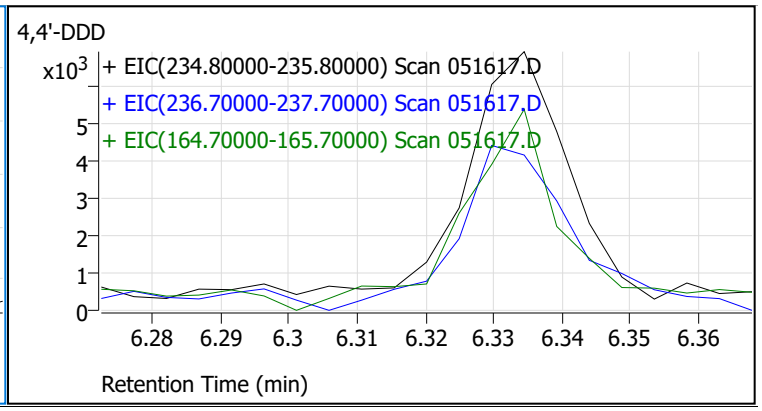
Tune Evaluation Report

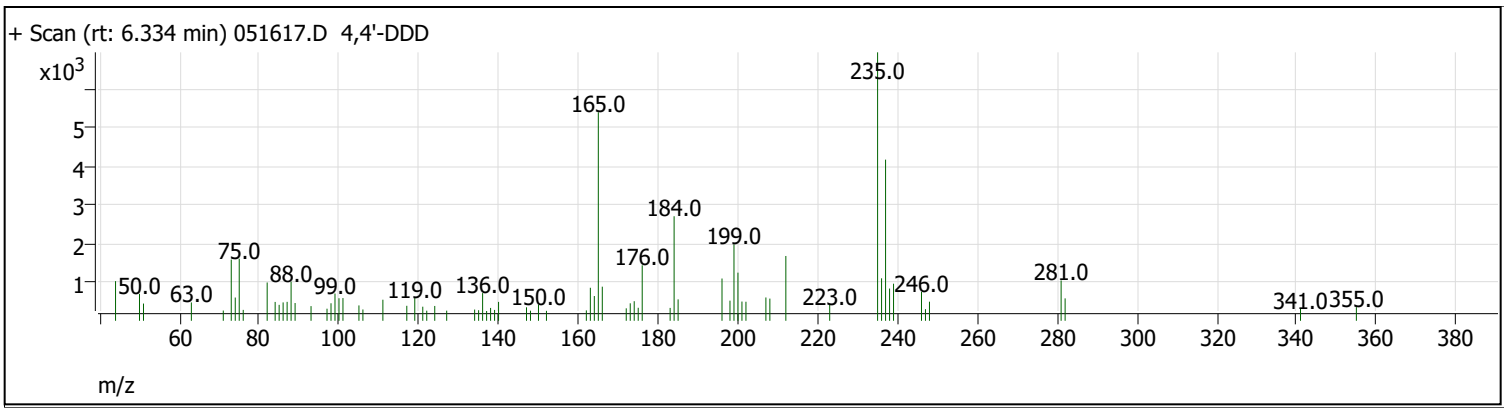


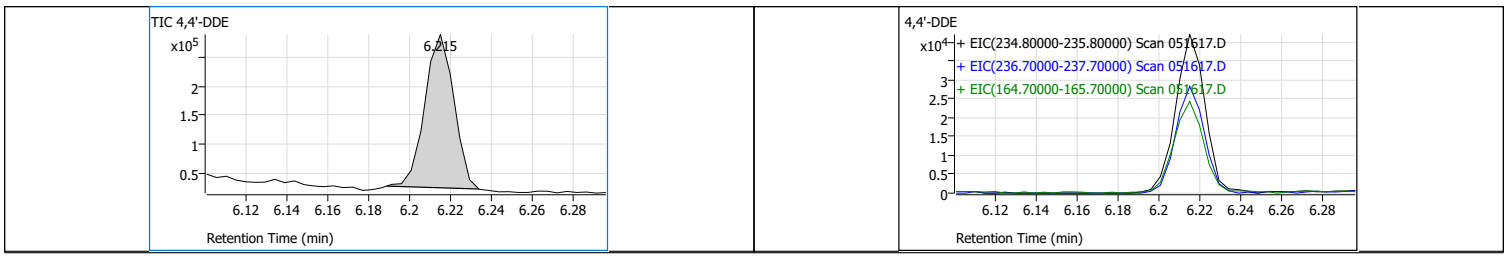




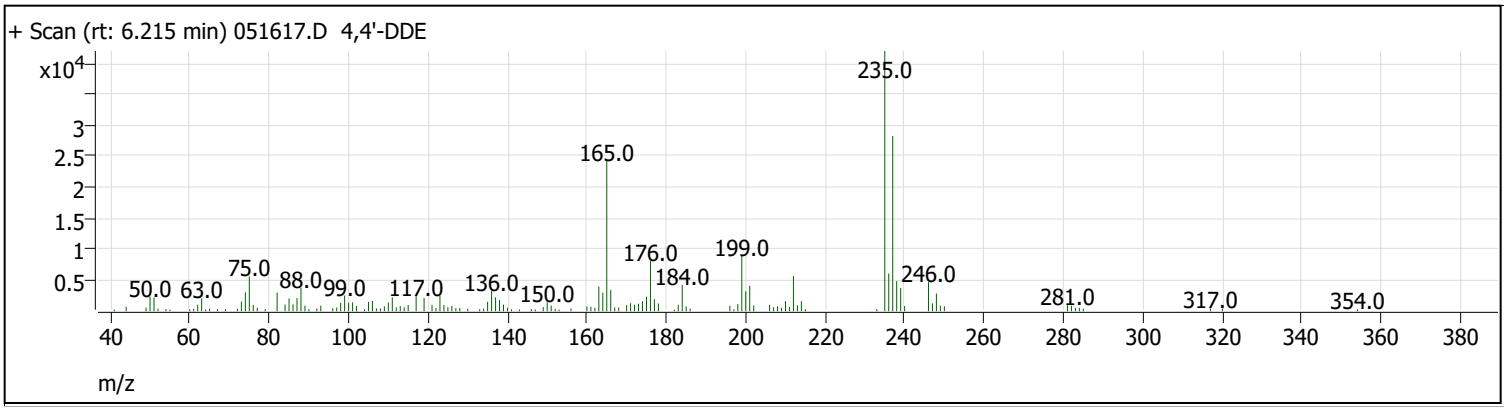






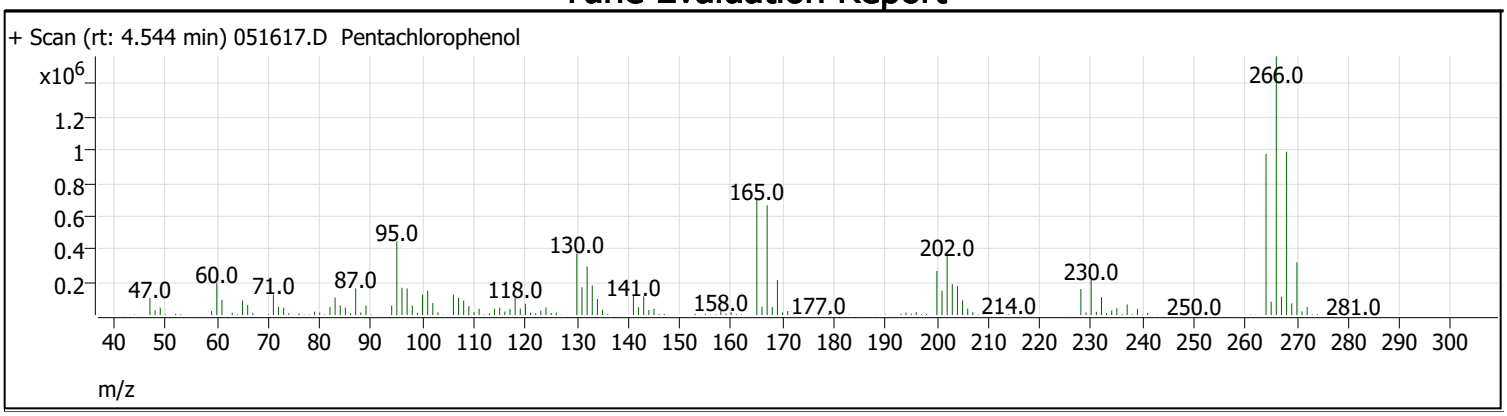


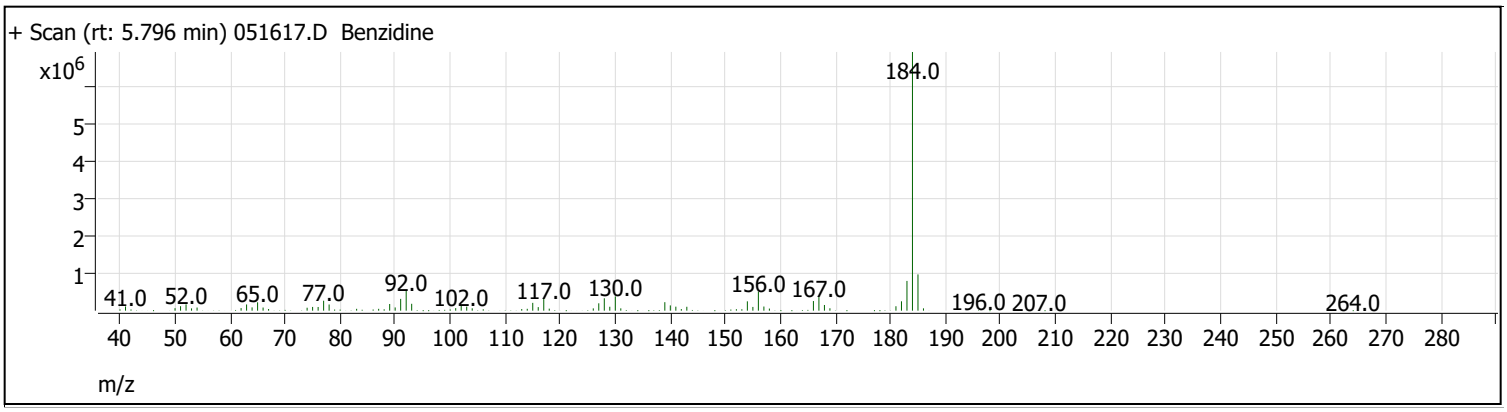
Tune Evaluation Report



Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	6.450	6.449	27033188	1.1	Pass
4,4'-DDD	6.320	6.334	42490		
4,4'-DDE	6.200	6.215	259379		

Tune Evaluation Report

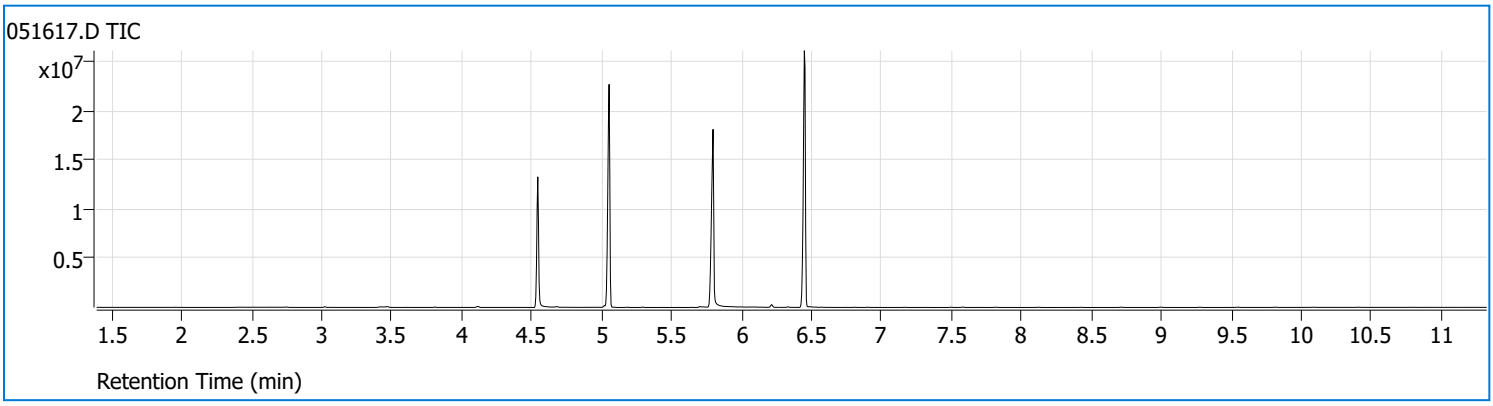


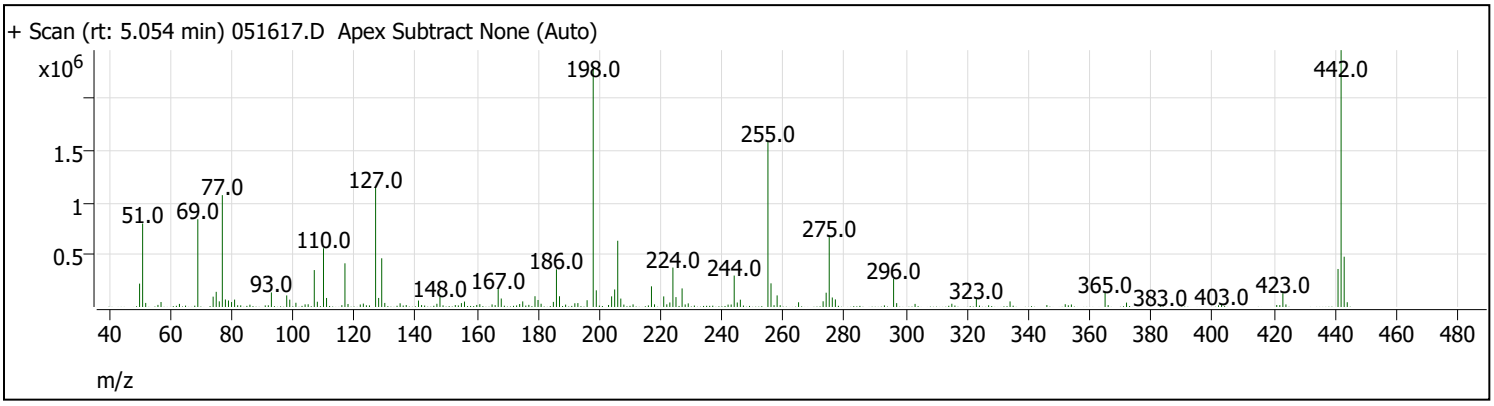


Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	4.600	4.544	0.9	3.1	Pass
Benzidine	5.800	5.796	0.4	2.4	Pass

Tune Evaluation Report

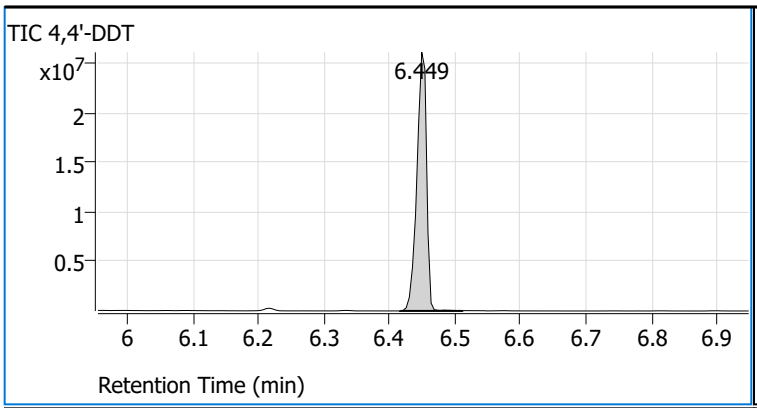
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Sample:	tune
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Method:	C:\GC-14\Methods\Quant Methods\TUNE\DFTPPwBreak&TailingGC218270E.m

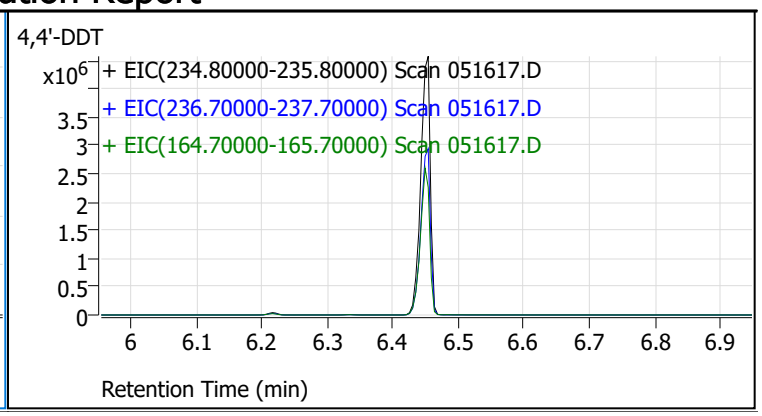


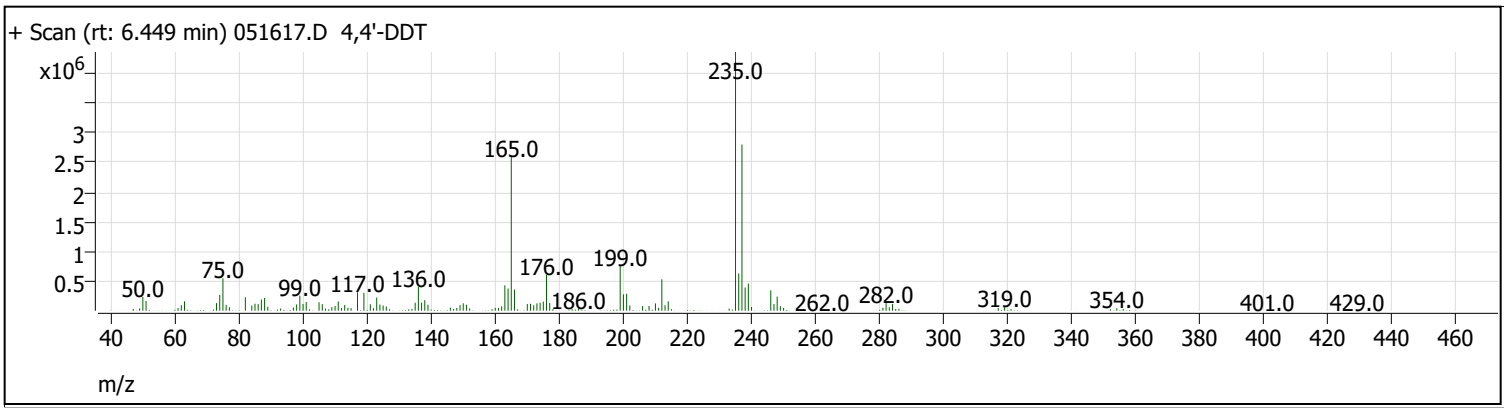


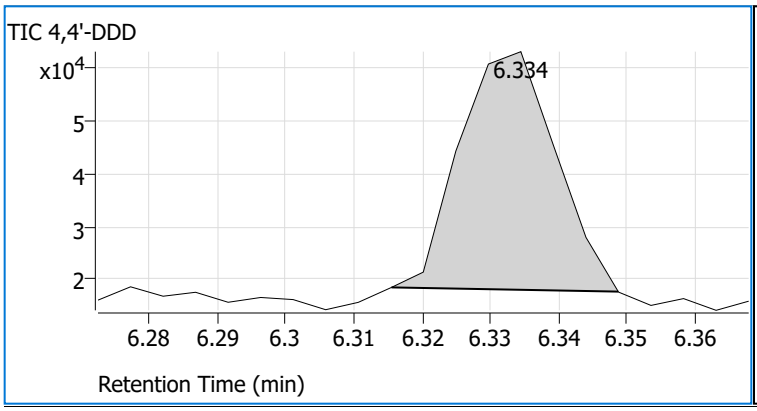
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
68	69	0	2	1.5	12802	Pass
70	69	0	2	0.5	4153	Pass
197	198	0	2	0.0	0	Pass
198	198	100	100	100.0	2301440	Pass
199	198	5	9	6.9	159680	Pass
365	442	1	100	5.6	136896	Pass
441	443	1E-10	99	75.6	364352	Pass
442	442	100	100	100.0	2460672	Pass
443	442	15	24	19.6	482048	Pass
69	69	100	100	100.0	841216	Pass

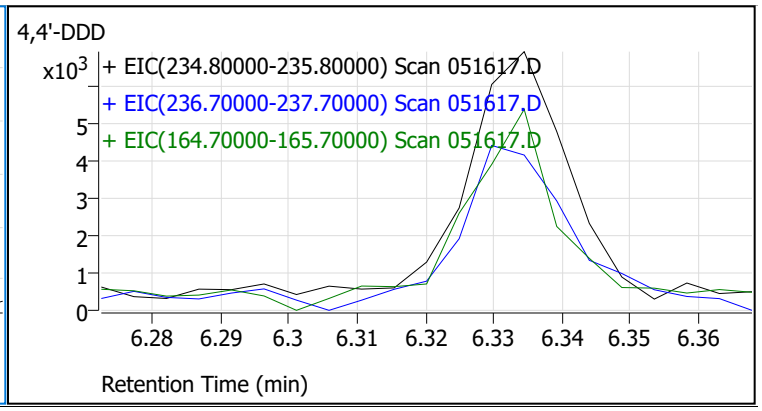
Tune Evaluation Report

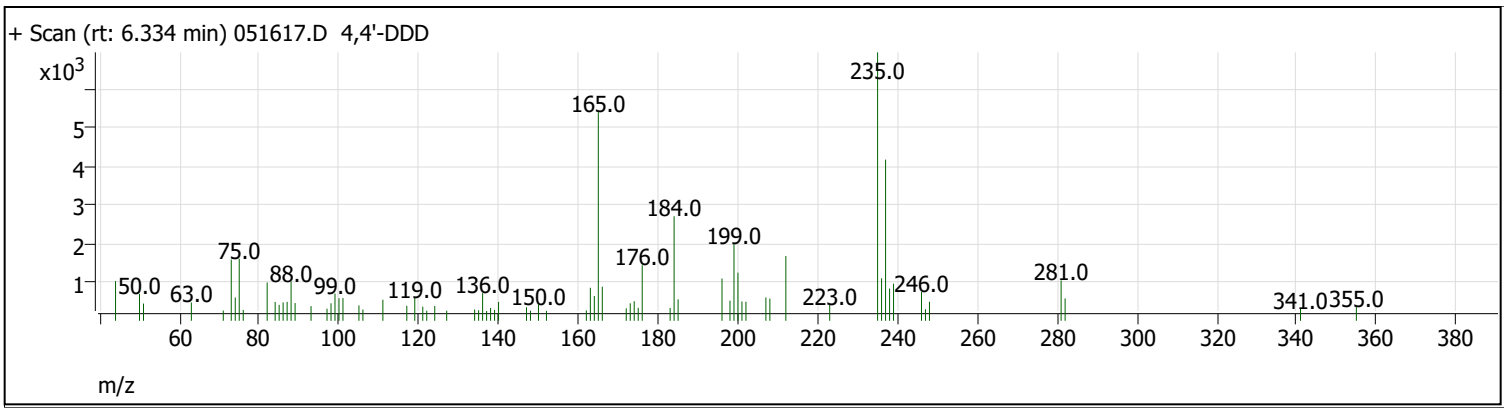


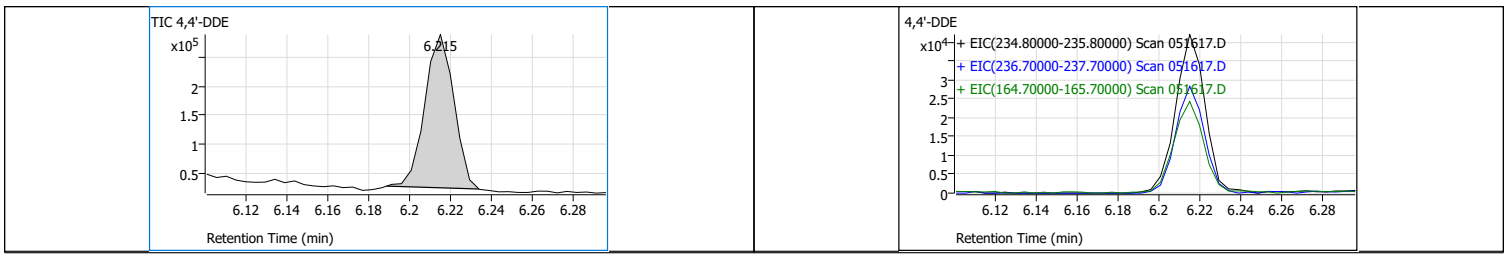




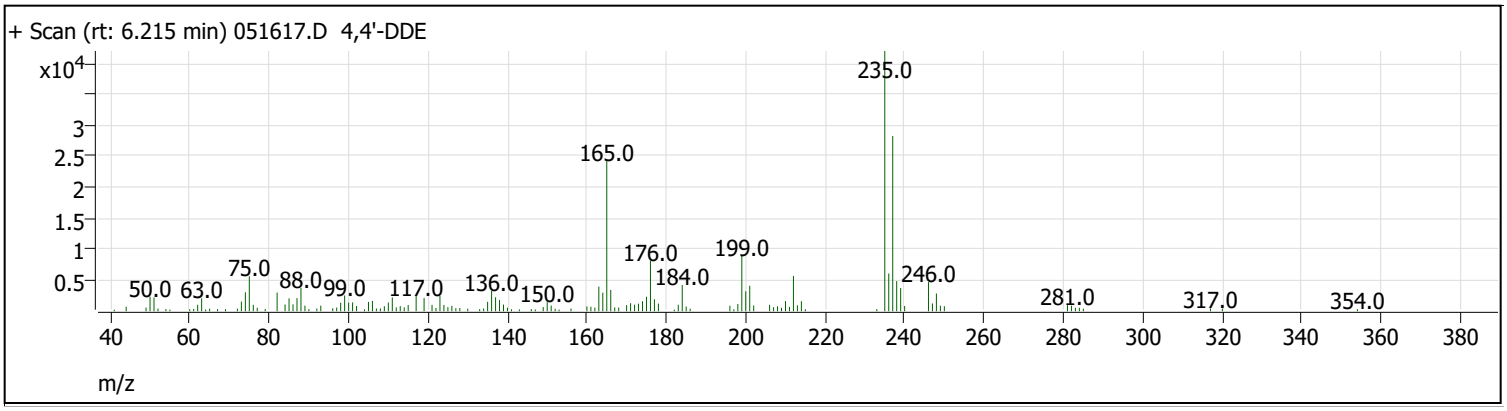






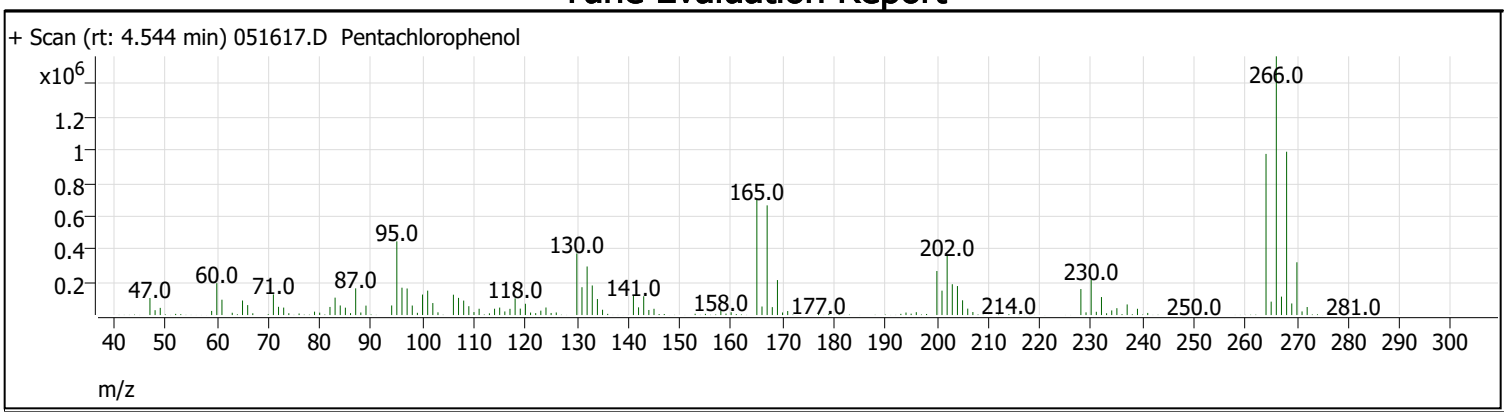


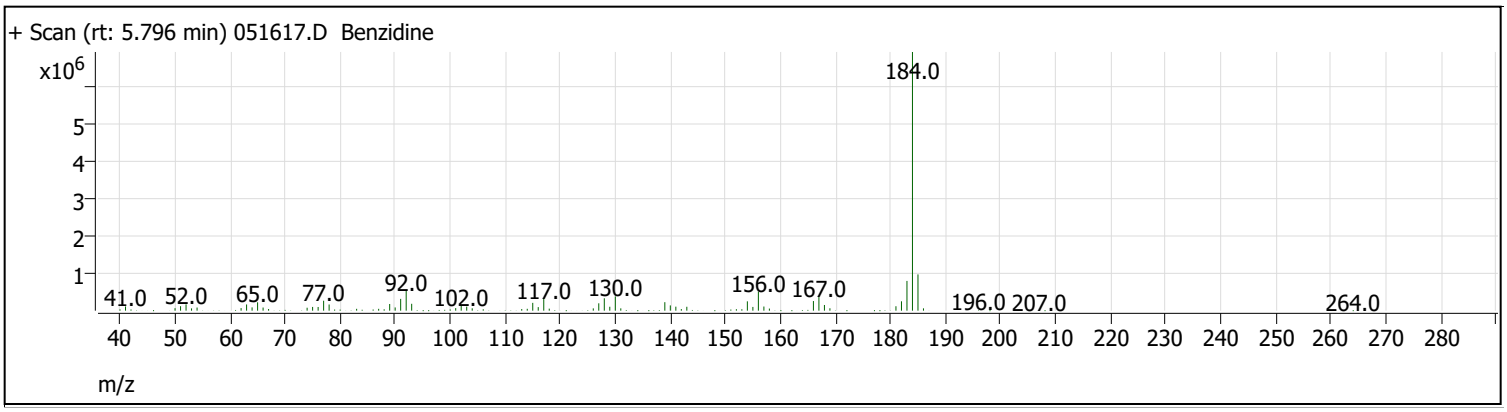
Tune Evaluation Report



Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	6.450	6.449	27033188	1.1	Pass
4,4'-DDD	6.320	6.334	42490		
4,4'-DDE	6.200	6.215	259379		

Tune Evaluation Report





Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	4.600	4.544	0.9	3.1	Pass
Benzidine	5.800	5.796	0.4	2.4	Pass

Internal Standards

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-14_250520B

Run No: 99887

Lab File ID (Standard): 051626.D

Instrument ID: GC-14

GC Column: ID (mm):

CCV Name: CAL MDPT PAH

CCV SeqNo: 2080511

Date Analyzed: 5/16/2025

Time Analyzed: 22:13

Length (M):

		IS1 (14DCBZ)		2 Acenaphthene-d		IS3 Chrysene-d12		S4 Naphthalene-d8	
		AREA #	RT #	AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	0	0.000	218019	3.495	333843	6.727	561461	2.167
	UPPER LIMIT	0	0.500	436038	3.995	667686	7.227	1122922	2.667
	LOWER LIMIT	0	-0.500	109010	2.995	166922	6.227	280731	1.667
	SAMPLE NO.								
01	CCV-47743A	0	0	205939	3.495	338511	6.727	569020	2.163
02	QCS-47743A	0	0	230876	3.495	334906	6.727	580243	2.167

IS1 (14DCBZ) = 1,4-Dichlorobenzene-d4
IS2 Acenaphthene-d10 = Acenaphthene-d10
IS3 Chrysene-d12 = Chrysene-d12
IS4 Naphthalene-d8 = Naphthalene-d8

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-14_250520B

Run No: 99887

Lab File ID (Standard): 051626.D

Instrument ID: GC-14

GC Column: ID (mm):

CCV Name: CAL MDPT PAH

CCV SeqNo: 2080511

Date Analyzed: 5/16/2025

Time Analyzed: 22:13

Length (M):

		S5 Perylene-d12		6 Phenanthrene-d1					
		AREA #	RT #	AREA #	RT #				
	12 HOUR STD	331620	7.772	365184	4.645				
	UPPER LIMIT	663240	8.272	730368	5.145				
	LOWER LIMIT	165810	7.272	182592	4.145				
	SAMPLE NO.								
01	CCV-47743A	356695	7.773	339537	4.645				
02	QCS-47743A	371574	7.773	382597	4.645				

IS5 Perylene-d12 = Perylene-d12
IS6 Phenanthrene-d10 = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-14_250520B

CCV Name: CCV-47743A

Run No: 99887

CCV SeqNo: 2080512

Lab File ID (Standard): 051631.D

Date Analyzed: 5/16/2025

Instrument ID: GC-14

Time Analyzed: 23:33

GC Column: ID (mm): Length (M):

		IS1 (14DCBZ)		2 Acenaphthene-d		IS3 Chrysene-d12		S4 Naphthalene-d8	
		AREA #	RT #	AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	0	0.000	205939	3.495	338511	6.727	569020	2.163
	UPPER LIMIT	0	0.500	411878	3.995	677022	7.227	1138040	2.663
	LOWER LIMIT	0	-0.500	102970	2.995	169256	6.227	284510	1.663
	SAMPLE NO.								
01	MB-47743	0	0	155811	3.495	240636	6.727	415965	2.163
02	LCS-47743	0	0	155830	3.495	235485	6.727	427596	2.163
03	2505258-001E	0	0	163027	3.495	239740	6.727	417709	2.167
04	2505258-002E	0	0	166376	3.495	239618	6.727	426077	2.167
05	2505258-003E	0	0	160426	3.495	237169	6.727	413237	2.167
06	2505258-004E	0	0	167355	3.495	268458	6.727	429620	2.167
07	2505265-001A	0	0	183005	3.495	262006	6.727	466955	2.167
08	2505265-001ADUP	0	0	183771	3.495	268530	6.727	458153	2.167
09	2505265-002A	0	0	174452	3.493	255368	6.727	433921	2.167

IS1 (14DCBZ) = 1,4-Dichlorobenzene-d4

IS2 Acenaphthene-d10 = Acenaphthene-d10

IS3 Chrysene-d12 = Chrysene-d12

IS4 Naphthalene-d8 = Naphthalene-d8

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-14_250520B

Run No: 99887

Lab File ID (Standard): 051631.D

Instrument ID: GC-14

GC Column: ID (mm):

CCV Name: CCV-47743A

CCV SeqNo: 2080512

Date Analyzed: 5/16/2025

Time Analyzed: 23:33

Length (M):

		S5 Perylene-d12		6 Phenanthrene-d1					
		AREA #	RT #	AREA #	RT #				
	12 HOUR STD	356695	7.773	339537	4.645				
	UPPER LIMIT	713390	8.273	679074	5.145				
	LOWER LIMIT	178348	7.273	169769	4.145				
	SAMPLE NO.								
01	MB-47743	244658	7.772	256277	4.645				
02	LCS-47743	239724	7.773	262178	4.645				
03	2505258-001E	251205	7.773	266752	4.645				
04	2505258-002E	245662	7.773	269247	4.645				
05	2505258-003E	252707	7.773	268147	4.645				
06	2505258-004E	277684	7.772	278265	4.645				
07	2505265-002A	272892	7.766	291587	4.642				
08	2505265-001A	287438	7.772	303545	4.645				
09	2505265-001ADUP	274240	7.773	303489	4.645				

IS5 Perylene-d12 = Perylene-d12
IS6 Phenanthrene-d10 = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Supporting Data

Polyaromatic Hydrocarbons Water Prep Bench Sheet

Analyst:	DI + gmg
Date and Time:	5/15/25
Batch:	47743

Notes / Modifications

Final Volume Before Analysis	1 mL

Equipment	
Type	ID
Balance:	4
Solvent Dispenser:	5
Buchi:	3
Other:	

Bottle Roller Times	
Roller START:	1800
Roller STOP:	800
Roller START:	
Roller STOP:	

Buchi Concentration Times	
Buchi START:	
Buchi STOP:	
Buchi START:	
Buchi STOP:	

Spikes / Chemicals / Reagents	Omega ID	Amount Used
8270 Spike Mix 200-400 µg/mL	31224	10 µL
8270 Surr. Mix 100-200 µg/mL	31080	10 µL
1:1 Sulfuric Acid	7285	~1 mL
pH strips	31092	1 PC/ea
Methylene Chloride	8970	70 mL
Sodium Sulfate	8648	~5 g
8270 Internal Standard 200 µg/mL	31140	10 µL *
Filter Paper		1 PC/ea

*** 10 µL added to a 1.0 mL aliquot of extract ***

Samples individually verified pH < 2, deviations noted	Initial/Date
	DL 5/15/25

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date
	gmg 5/15

Dilutions	
Sample ID	Dilution Description

Sign and date below if you contributed to this preparation batch

gmg 5/15/25

DL 5/15/25

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **5/15/2025 4:52:38 P**
Prep End Date:
Technician: **Edward Chien**

DI Autofill Balance 4
5/15/25

Prep Factor Units:
mL / mL

Prep Batch ID: **47743** Prep Code: **PREP-PAH-W** Method No: **SW3510C**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-47743	91	Water	400	1	0.003	5/15/2025	Preliminary
LCS-47743	92	Water	400	1	0.003	5/15/2025	Preliminary
2505258-001E	93 DUP-051225	Water	400	1	0.003	5/15/2025	Preliminary
2505258-002E	94 GEI-11-051225	Water	400	1	0.003	5/15/2025	Preliminary
2505258-003E	95 GEI-12-051225	Water	400	1	0.003	5/15/2025	Preliminary
2505258-004E	96 GEI-13-051225	Water	400	1	0.003	5/15/2025	Preliminary
2505265-001A	97 NJ51325	Water	400	1	0.003	5/15/2025	Preliminary
2505265-001ADUP	98	Water	400	1	0.003	5/15/2025	Preliminary
2505265-002A	99 OJ51325	Water	400	1	0.003	5/15/2025	Preliminary
2505283-001C ★	100 KSAI-AO-Kent-051425	Water	400	1	0.003	5/15/2025	Preliminary
2505298-001C	101 Influent	Stormwater	400	1	0.003	5/15/2025	Preliminary
2505298-002C	102 Discharge	Stormwater	400	1	0.003	5/15/2025	Preliminary
2505300-001C	103 05152025	Water	400	1	0.003	5/15/2025	Preliminary
2505316-001C ★	104 COV-SWW36 5/25	Stormwater	400	1	0.003	5/15/2025	Preliminary

5120
5121
5119
5122
5/196
9mg 5/15

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **5/15/2025 4:52:38 P**
Prep End Date: **5/16/2025 10:53:44**
Technician: **Edward Chien**

Prep Factor Units:
mL / mL

Prep Batch ID: **47743** Prep Code: **PREP-PAH-W** Method No: **SW3510C**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-47743		Water	400	1	0.003	5/15/2025	5/16/2025
LCS-47743		Water	400	1	0.003	5/15/2025	5/16/2025
2505258-001E	DUP-051225	Water	432.6	1	0.002	5/15/2025	5/16/2025
2505258-002E	GEI-11-051225	Water	439.45	1	0.002	5/15/2025	5/16/2025
2505258-003E	GEI-12-051225	Water	429.48	1	0.002	5/15/2025	5/16/2025
2505258-004E	GEI-13-051225	Water	427.1	1	0.002	5/15/2025	5/16/2025
2505265-001A	NJ51325	Water	410.21	1	0.002	5/15/2025	5/16/2025
2505265-001ADUP		Water	404.48	1	0.002	5/15/2025	5/16/2025
2505265-002A	OJ51325	Water	405.19	1	0.002	5/15/2025	5/16/2025
2505283-001C	KSAI-AO-Kent-051425	Water	424.14	1	0.002	5/15/2025	5/16/2025
2505298-001C	Influent	Stormwater	431.37	1	0.002	5/15/2025	5/16/2025
2505298-002C	Discharge	Stormwater	423.01	1	0.002	5/15/2025	5/16/2025
2505300-001C	05152025	Water	425.4	1	0.002	5/15/2025	5/16/2025
2505316-001C	COV-SWW36 5/25	Stormwater	438.37	1	0.002	5/15/2025	5/16/2025

Reporting Checklist

Analyst: Alex Pates | Workorder(s): 05258, 05265

Date: 5/20/25

Prep #: 47743

Run(s) #:99887 | Analysis: O-PAH-W-SIM

Y/N

Y **Run complete? (i.e., all QC, samples, dilutions present)**

N **All QC within limits?** Exceedances acceptable per QA Manual and/or Auth'd by PM_____?

□CCV out □LCS out □MS out □Blank hits ☑IS/surr out □RPD out

□Hold time □Other_____

CCV-A: outlying surrogate recovery observed.

N Any pending dilutions, re-extracts, or reanalysis to be completed in future run?

N/A **Manual entries/narratives reviewed for accuracy? (note below)** Analyst: _____ Reviewer: _____

✔ **Omega checks performed?**

✔ SampID, Test Code, Samp Type, Prep ✔

✔ PMOIST, pH ✔

✔ BLKref, SPKref, RPDref, CCVref ✔

✔ Attachments ✔

☑Sequence ☑Cgrams ☑Bench Sheets ☑Perf Checks ☑Tech Doc

✔ Related Info ✔

☑ICAL Ref □ICAL Ack/QA'd? ☑Spiking Info/CCV Std □_____

✔ Reporting Checks ✔

□Dilutions/narr redundancy check (important!) □RLs OK (low wt, high pmoist, dilutions)

Notes for Reviewer

By signing, I attest that I have followed the SOP

AHP	5/20/25	Savannah Houser	5/20/25
Analyst	Date	Reviewer	Date

Signature: MG

DATA SET for Review - Deliverable Requirements

Volatile Organic Compounds by EPA 8260D

Alliance Technical Group Work Order No. 2505258

GeoEngineers

Project Name: 701/709 South Jackson St.

Project Number: 24504-001-04

This data set contains the following:

- Analytical Sequence Summary
- Calibration Information
- Tune Information
- Internal Standards Report

Injection Log

Data Directory: D:\GC-27\DATA\042425\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	042401.D	8260B_45to1_SS.M			
R		O-VOC-S-SS		1.000	24 Apr 2025 08:41 am
2)	042402.D	8260B_45to1_SS.M			
SIM W CCV		O-VOC-S-SS	55	1.000	24 Apr 2025 09:07 am
3)	042403.D	8260B_45to1_SS.M			
SIM S CCV		O-VOC-S-SS	56	1.000	24 Apr 2025 09:33 am
4)	042404.D	8260B_45to1_SS.M			
GX CCV		O-VOC-S-SS	57	1.000	24 Apr 2025 10:00 am
5)	042405.D	8260B_45to1_SS.M			
R		O-VOC-S-SS		1.000	24 Apr 2025 10:25 am
6)	042406.D	8260B_45to1_SS.M			
MB-W		O-VOC-W	58	1.000	24 Apr 2025 11:29 am
7)	042407.D	8260B_45to1_SS.M			
2504505-001A		O-VOC-W	59	1.000	24 Apr 2025 11:55 am
8)	042408.D	8260B_45to1_SS.M			
2504575-001A		O-VOC-W	60	1.000	24 Apr 2025 12:22 pm
9)	042409.D	8260B_45to1_SS.M			
2504574-001A		O-VOC-W	61	1.000	24 Apr 2025 12:48 pm
10)	042410.D	8260B_45to1_SS.M			
2504574-001ADUP		O-VOC-W	62	1.000	24 Apr 2025 01:15 pm
11)	042411.D	8260B_45to1_SS.M			
2504505-001AMS voc		O-VOC-W	63	1.000	24 Apr 2025 01:41 pm
12)	042412.D	8260B_45to1_SS.M			
R		O-VOC-W		1.000	24 Apr 2025 02:06 pm
13)	042413.D	8260B_45to1_SS.M			
R		O-VOC-W		1.000	24 Apr 2025 02:38 pm
14)	042414.D	8260B_45to1_SS.M			
R		O-VOC-W		1.000	24 Apr 2025 03:03 pm
15)	042415.D	8260B_45to1_SS.M			
2504584-001A		O-VOC-W	77	1.000	24 Apr 2025 03:29 pm
16)	042416.D	8260B_45to1_SS.M			
2504583-001A		O-VOC-W	78	1.000	24 Apr 2025 03:56 pm
17)	042417.D	8260B_45to1_SS.M			
2504572-001A		O-VOC-W	79	1.000	24 Apr 2025 04:22 pm
18)	042418.D	8260B_45to1_SS.M			
2504584-001AMS GX		O-VOC-W	80	1.000	24 Apr 2025 04:48 pm
19)	042419.D	8260B_45to1_SS.M			
R		O-VOC-W		1.000	24 Apr 2025 05:14 pm
20)	042420.D	8260B_45to1_SS.M			
2504614-001A		O-VOC-W	5	1.000	24 Apr 2025 05:40 pm
21)	042421.D	8260B_45to1_SS.M			
2504615-001A		O-VOC-W	6	1.000	24 Apr 2025 06:06 pm

22) 042422.D 8260B_45to1_SS.M
R O-VOC-W 1.000 24 Apr 2025 06:32 pm

23) 042423.D 8260B_45to1_SS.M
GX CCV O-VOC-W 81 1.000 24 Apr 2025 06:58 pm

24) 042424.D 8260B_45to1_SS.M
R O-VOC-W 1.000 24 Apr 2025 07:23 pm

25) 042425.D 8260B_45to1_SS.M
R O-VOC-W 1.000 24 Apr 2025 07:48 pm

26) 042426.D 8260B_45to1_SS.M
R O-VOC-W 1.000 24 Apr 2025 08:14 pm

27) 042427.D 8260B_45to1_SS.M
R O-VOC-W 1.000 24 Apr 2025 08:39 pm

28) 042428.D 8260B_45to1_SS.M
VOC W SS ICAL 1 O-VOC-W-SS 64 1.000 24 Apr 2025 09:05 pm

29) 042429.D 8260B_45to1_SS.M
VOC W SS ICAL 2 O-VOC-W-SS 65 1.000 24 Apr 2025 09:32 pm

30) 042430.D 8260B_45to1_SS.M
VOC W SS ICAL 3 O-VOC-W-SS 66 1.000 24 Apr 2025 09:58 pm

31) 042431.D 8260B_45to1_SS.M
VOC W SS ICAL 4 O-VOC-W-SS 67 1.000 24 Apr 2025 10:24 pm

32) 042432.D 8260B_45to1_SS.M
VOC W SS ICAL 5 O-VOC-W-SS 68 1.000 24 Apr 2025 10:51 pm

33) 042433.D 8260B_45to1_SS.M
VOC W SS ICAL 6 O-VOC-W-SS 69 1.000 24 Apr 2025 11:17 pm

34) 042434.D 8260B_45to1_SS.M
VOC W SS ICAL 7 O-VOC-W-SS 70 1.000 24 Apr 2025 11:44 pm

35) 042435.D 8260B_45to1_SS.M
VOC W SS ICAL 8 O-VOC-W-SS 71 1.000 25 Apr 2025 12:10 am

36) 042436.D 8260B_45to1_SS.M
VOC W SS ICAL 9 O-VOC-W-SS 72 1.000 25 Apr 2025 12:36 am

37) 042437.D 8260B_45to1_SS.M
VOC W SS ICAL 10 O-VOC-W-SS 73 1.000 25 Apr 2025 01:03 am

38) 042438.D 8260B_45to1_SS.M
VOC W SS ICAL 11 O-VOC-W-SS 74 1.000 25 Apr 2025 01:29 am

39) 042439.D 8260B_45to1_SS.M
R O-VOC-W-SS 1.000 25 Apr 2025 01:54 am

40) 042440.D 8260B_45to1_SS.M
R O-VOC-W-SS 1.000 25 Apr 2025 02:20 am

41) 042441.D 8260B_45to1_SS.M
R O-VOC-W-SS 1.000 25 Apr 2025 02:45 am

42) 042442.D 8260B_45to1_SS.M
ICB O-VOC-W-SS 75 1.000 25 Apr 2025 03:11 am

43) 042443.D 8260B_45to1_SS.M
ICV O-VOC-W-SS 76 1.000 25 Apr 2025 03:38 am

44) 042444.D 8260B_45to1_SS.M
VOC S CCV O-DOD-VOC-S 82 1.000 25 Apr 2025 04:04 am

45) 042445.D 8260B_45to1_SS.M

RARE S CCV O-DOD-VOC-S 83 1.000 25 Apr 2025 04:31 am

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46) 042446.D 8260B_45to1_SS.M
R O-DOD-VOC-S 1.000 25 Apr 2025 04:56 am

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47) 042447.D 8260B_45to1_SS.M
MB-S O-DOD-VOC-S 84 1.000 25 Apr 2025 05:22 am

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48) 042448.D 8260B_45to1_SS.M
2504573-016A 50X O-DOD-VOC-S 1 1.000 25 Apr 2025 05:48 am

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49) 042449.D 8260B_45to1_SS.M
2504573-016A 10X O-DOD-VOC-S 2 1.000 25 Apr 2025 06:15 am

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50) 042450.D 8260B_45to1_SS.M
R O-DOD-VOC-S 1.000 25 Apr 2025 06:40 am

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51) 042451.D 8260B_45to1_SS.M
VOC S CCV O-DOD-VOC-S 3 1.000 25 Apr 2025 07:06 am

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52) 042452.D 8260B_45to1_SS.M
RARE S CCV O-DOD-VOC-S 4 1.000 25 Apr 2025 07:33 am

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53) 042453.D 8260B_45to1_SS.M
R O-DOD-VOC-S 1.000 25 Apr 2025 07:58 am

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54) 042502.D 8260B_45to1_SS.M
VOC W SS ICAL 1 RR O-VOC-W-SS 7 1.000 25 Apr 2025 09:20 am

Injection Log

Data Directory: D:\GC-27\DATA\051625\

	SampleName	MiscInfo	Vial	Multiplier	Injection Time
1)	051601.D	8260B_45to1_SS.M			
R		O-VOC-W		1.000	16 May 2025 08:35 am
2)	051602.D	8260B_45to1_SS.M			
SIM W CCV		O-VOC-W	40	1.000	16 May 2025 09:01 am
3)	051603.D	8260B_45to1_SS.M			
SIM S CCV		O-VOC-S	41	1.000	16 May 2025 09:28 am
4)	051604.D	8260B_45to1_SS.M			
GX CCV		O-VOC-W	42	1.000	16 May 2025 09:54 am
5)	051605.D	8260B_45to1_SS.M			
R		O-VOC-W		1.000	16 May 2025 10:19 am
6)	051606.D	8260B_45to1_SS.M			
MB-47744		O-VOC-W	43	1.000	16 May 2025 10:46 am
7)	051607.D	8260B_45to1_SS.M			
2505316-001A		O-VOC-W	44	1.000	16 May 2025 11:12 am
8)	051608.D	8260B_45to1_SS.M			
2505316-001ADUP		O-VOC-W	45	1.000	16 May 2025 11:38 am
9)	051609.D	8260B_45to1_SS.M			
2505287-001B 10X		O-VOC-W	46	1.000	16 May 2025 12:05 pm
10)	051610.D	8260B_45to1_SS.M			
2505287-002B 10X		O-VOC-W	47	1.000	16 May 2025 12:31 pm
11)	051611.D	8260B_45to1_SS.M			
R		O-VOC-W		1.000	16 May 2025 12:56 pm
12)	051612.D	8260B_45to1_SS.M			
2505283-001A		O-VOC-W	48	1.000	16 May 2025 01:23 pm
13)	051613.D	8260B_45to1_SS.M			
2505263-007A 100X		O-VOC-W	49	1.000	16 May 2025 01:49 pm
14)	051614.D	8260B_45to1_SS.M			
2505263-008A 10X		O-VOC-W	50	1.000	16 May 2025 02:16 pm
15)	051615.D	8260B_45to1_SS.M			
2505263-009A 100X		O-VOC-W	51	1.000	16 May 2025 02:42 pm
16)	051616.D	8260B_45to1_SS.M			
2505263-010A 50X		O-VOC-W	52	1.000	16 May 2025 03:08 pm
17)	051617.D	8260B_45to1_SS.M			
2505263-002A 10X		O-VOC-W	53	1.000	16 May 2025 03:35 pm
18)	051618.D	8260B_45to1_SS.M			
2505263-004A 10X		O-VOC-W	54	1.000	16 May 2025 04:01 pm
19)	051619.D	8260B_45to1_SS.M			
2505263-008A		O-VOC-W	55	1.000	16 May 2025 04:28 pm
20)	051620.D	8260B_45to1_SS.M			
2505263-007A 10X		O-VOC-W	56	1.000	16 May 2025 04:54 pm
21)	051621.D	8260B_45to1_SS.M			
2505263-009A 10X		O-VOC-W	57	1.000	16 May 2025 05:20 pm

22) 051622.D 8260B_45to1_SS.M
2505263-010A 10X O-VOC-W 58 1.000 16 May 2025 05:47 pm
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23) 051623.D 8260B_45to1_SS.M
R O-VOC-W 1.000 16 May 2025 06:12 pm
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24) 051624.D 8260B_45to1_SS.M
2505245-001A RR O-VOC-W 59 1.000 16 May 2025 06:38 pm
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25) 051625.D 8260B_45to1_SS.M
2505283-001AMS VOC O-VOC-W 60 1.000 16 May 2025 07:05 pm
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26) 051626.D 8260B_45to1_SS.M
R O-VOC-W 1.000 16 May 2025 07:30 pm
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27) 051627.D 8260B_45to1_SS.M
SIM W CCV O-VOC-W 61 1.000 16 May 2025 07:57 pm
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28) 051628.D 8260B_45to1_SS.M
GX CCV O-VOC-W 62 1.000 16 May 2025 08:23 pm
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29) 051629.D 8260B_45to1_SS.M
R O-VOC-W 1.000 16 May 2025 08:48 pm
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30) 051630.D 8260B_45to1_SS.M
2505258-005A TB O-VOC-W-SS 63 1.000 16 May 2025 09:15 pm
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31) 051631.D 8260B_45to1_SS.M
2505290-016A TB O-VOC-W 64 1.000 16 May 2025 09:41 pm
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32) 051632.D 8260B_45to1_SS.M
2505258-001A O-VOC-W-SS 65 1.000 16 May 2025 10:07 pm
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33) 051633.D 8260B_45to1_SS.M
2505258-002A O-VOC-W-SS 66 1.000 16 May 2025 10:34 pm
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34) 051634.D 8260B_45to1_SS.M
2505258-003A O-VOC-W-SS 67 1.000 16 May 2025 11:00 pm
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35) 051635.D 8260B_45to1_SS.M
2505258-004A O-VOC-W-SS 68 1.000 16 May 2025 11:27 pm
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36) 051636.D 8260B_45to1_SS.M
2505290-001A O-VOC-W 69 1.000 16 May 2025 11:53 pm
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37) 051637.D 8260B_45to1_SS.M
2505290-002A O-VOC-W 70 1.000 17 May 2025 12:19 am
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38) 051638.D 8260B_45to1_SS.M
2505290-003A O-VOC-W 71 1.000 17 May 2025 12:46 am
---
39) 051639.D 8260B_45to1_SS.M
2505290-004A O-VOC-W 72 1.000 17 May 2025 01:12 am
---
40) 051640.D 8260B_45to1_SS.M
2505290-005A O-VOC-W 73 1.000 17 May 2025 01:39 am
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41) 051641.D 8260B_45to1_SS.M
2505290-006A O-VOC-W 74 1.000 17 May 2025 02:05 am
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42) 051642.D 8260B_45to1_SS.M
2505290-007A O-VOC-W 75 1.000 17 May 2025 02:31 am
---
43) 051643.D 8260B_45to1_SS.M
2505290-008A O-VOC-W 76 1.000 17 May 2025 02:58 am
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44) 051644.D 8260B_45to1_SS.M
2505290-009A O-VOC-W 77 1.000 17 May 2025 03:24 am
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45) 051645.D 8260B_45to1_SS.M

2505290-011A O-VOC-W 78 1.000 17 May 2025 03:51 am

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46) 051646.D 8260B_45to1_SS.M
2505290-012A O-VOC-W 79 1.000 17 May 2025 04:17 am

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47) 051647.D 8260B_45to1_SS.M
2505290-015A O-VOC-W 80 1.000 17 May 2025 04:44 am

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48) 051902.D 8260B_45to1_SS.M
SIM W CCV O-VOC-W 1 1.000 19 May 2025 12:09 pm

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49) 051903.D 8260B_45to1_SS.M
GX CCV O-VOC-W 2 1.000 19 May 2025 12:36 pm

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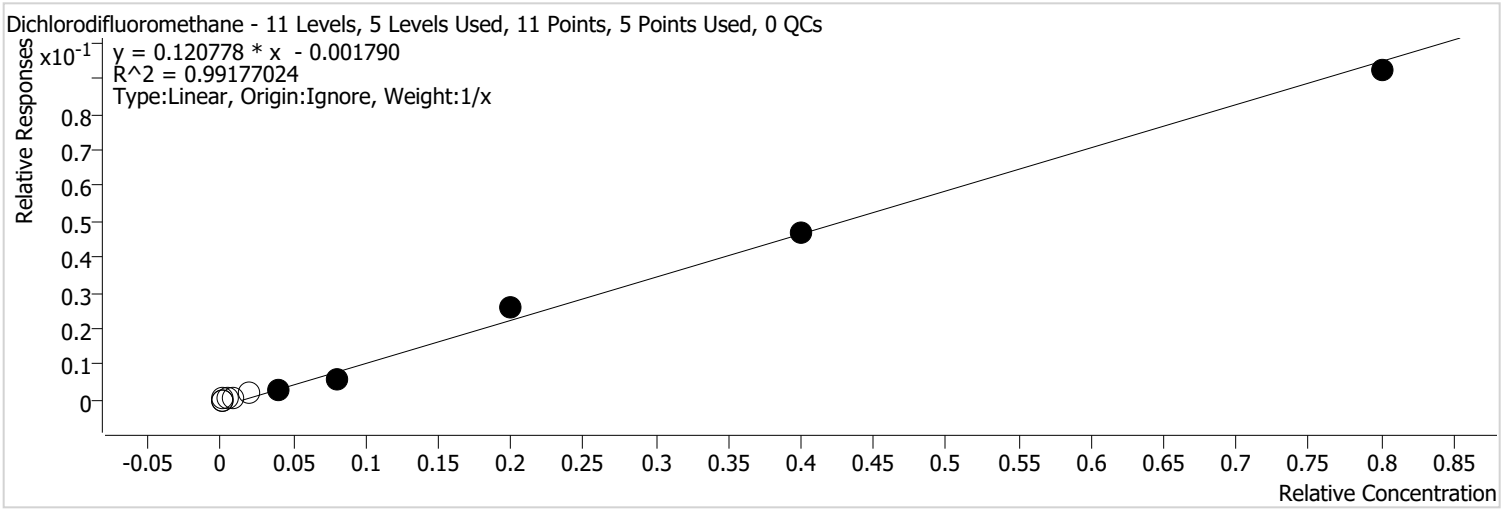
50) 051904.D 8260B_45to1_SS.M
SIM W CCV REAL O-VOC-W 3 1.000 19 May 2025 01:02 pm

Calibration

Calibration Report

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:14 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Dichlorodifluoromethane %RSE = 13.9

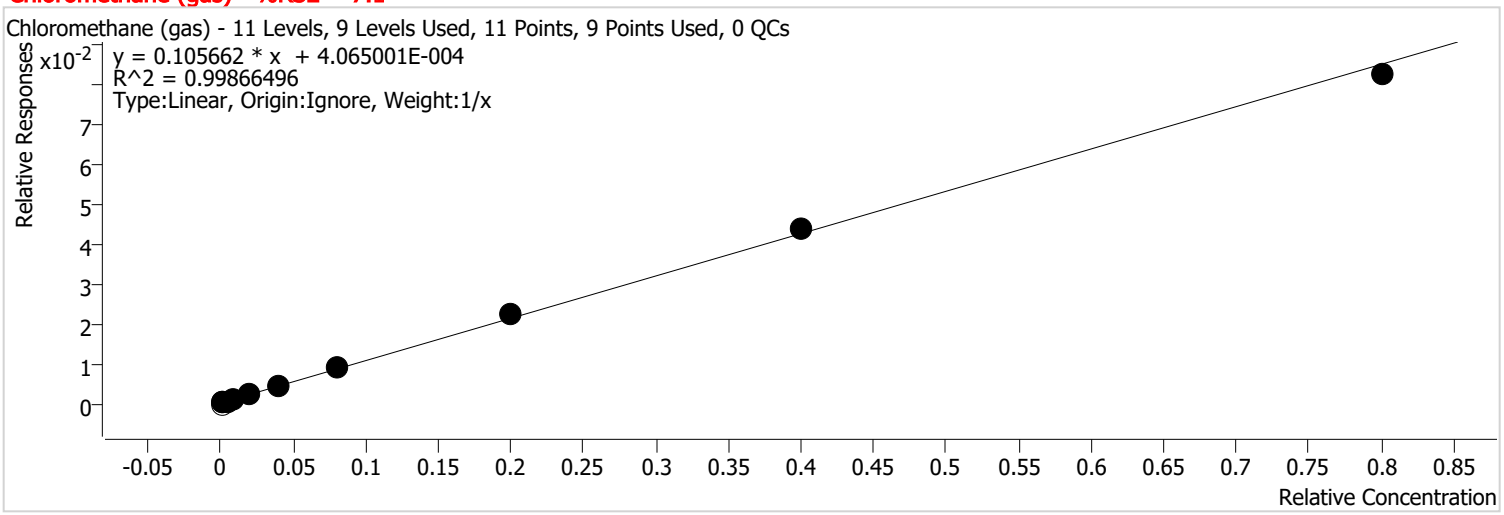


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		381	0.0050	0.6664	
D:\GC-27\DATA\042425\042429.D	Calibration	2		416	0.0100	0.3968	
D:\GC-27\DATA\042425\042430.D	Calibration	3		949	0.0500	0.1793	
D:\GC-27\DATA\042425\042431.D	Calibration	4		1509	0.1000	0.1390	
D:\GC-27\DATA\042425\042432.D	Calibration	5		2521	0.2000	0.1141	
D:\GC-27\DATA\042425\042433.D	Calibration	6		6748	0.5000	0.1235	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	8580	1.0000	0.0806	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	16736	2.0000	0.0772	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	71538	5.0000	0.1310	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	129252	10.0000	0.1170	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	262605	20.0000	0.1153	

Calibration Report

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:16 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

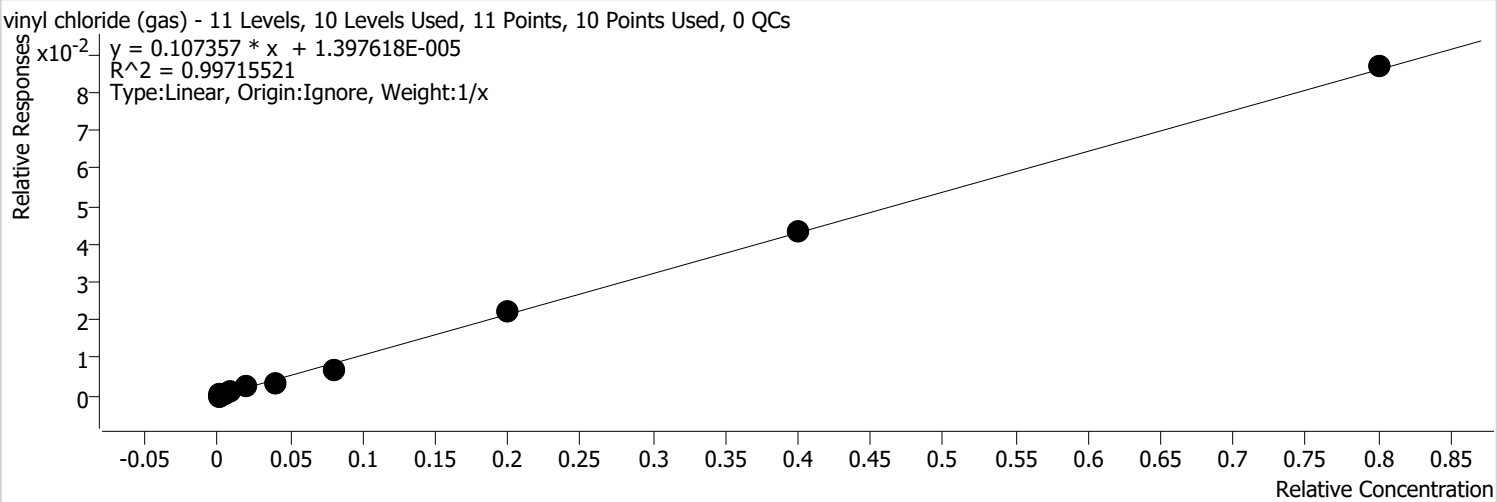
Chloromethane (gas) %RSE = 7.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		558	0.0050	0.9761	
D:\GC-27\DATA\042425\042429.D	Calibration	2		933	0.0100	0.8899	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	1627	0.0500	0.3074	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	2189	0.1000	0.2016	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	3151	0.2000	0.1426	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	7430	0.5000	0.1360	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	12714	1.0000	0.1194	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	24599	2.0000	0.1135	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	61557	5.0000	0.1127	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	121094	10.0000	0.1097	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	234404	20.0000	0.1029	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:16 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

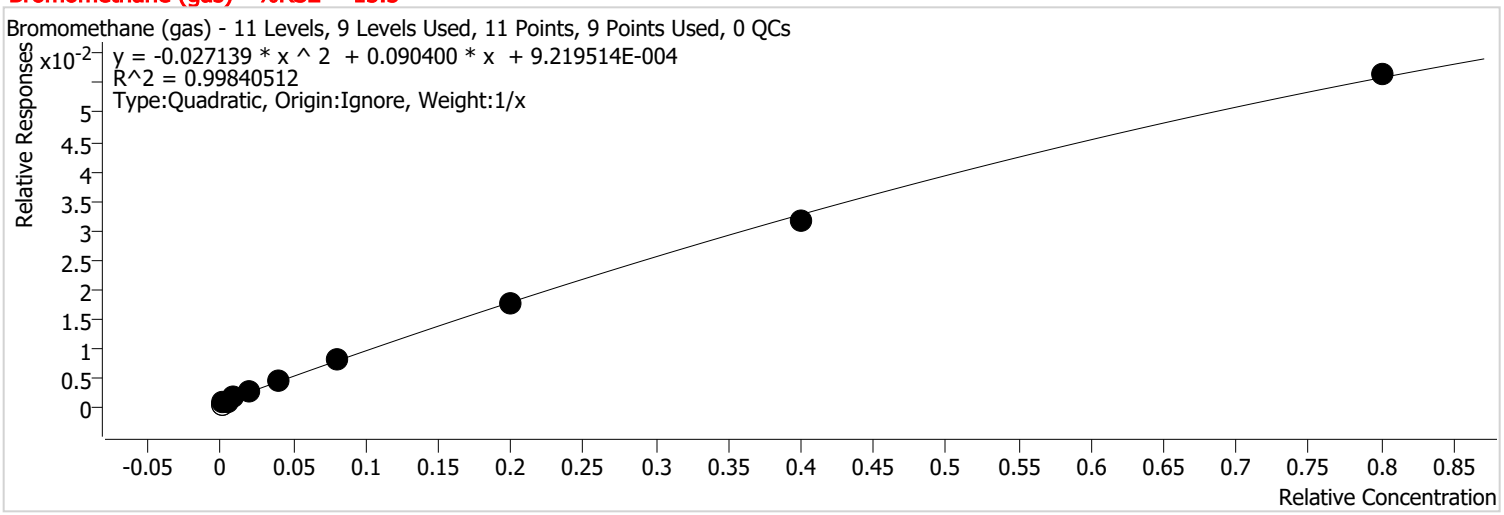
vinyl chloride (gas) %RSE = 11.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		120	0.0050	0.2104	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	149	0.0100	0.1421	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	691	0.0500	0.1305	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1231	0.1000	0.1133	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	2423	0.2000	0.1096	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	6669	0.5000	0.1221	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	9312	1.0000	0.0874	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	19394	2.0000	0.0895	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	60310	5.0000	0.1104	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	120100	10.0000	0.1088	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	246841	20.0000	0.1084	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:16 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

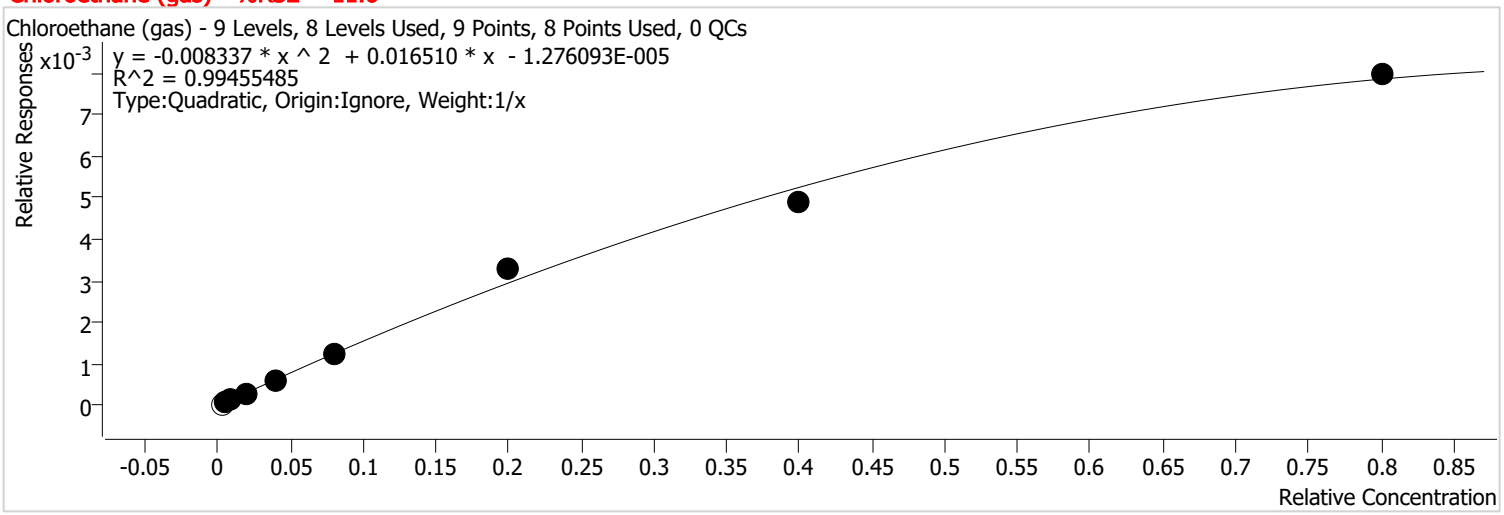
Bromomethane (gas) %RSE = 15.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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D:\GC-27\DATA\042425\042429.D	Calibration	2		2136	0.0100	2.0376	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	2847	0.0500	0.5379	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	3249	0.1000	0.2992	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	4867	0.2000	0.2202	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	8277	0.5000	0.1515	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	12557	1.0000	0.1179	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	22113	2.0000	0.1021	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	48099	5.0000	0.0880	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	87868	10.0000	0.0796	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	160512	20.0000	0.0705	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:16 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Chloroethane (gas) %RSE = 11.6

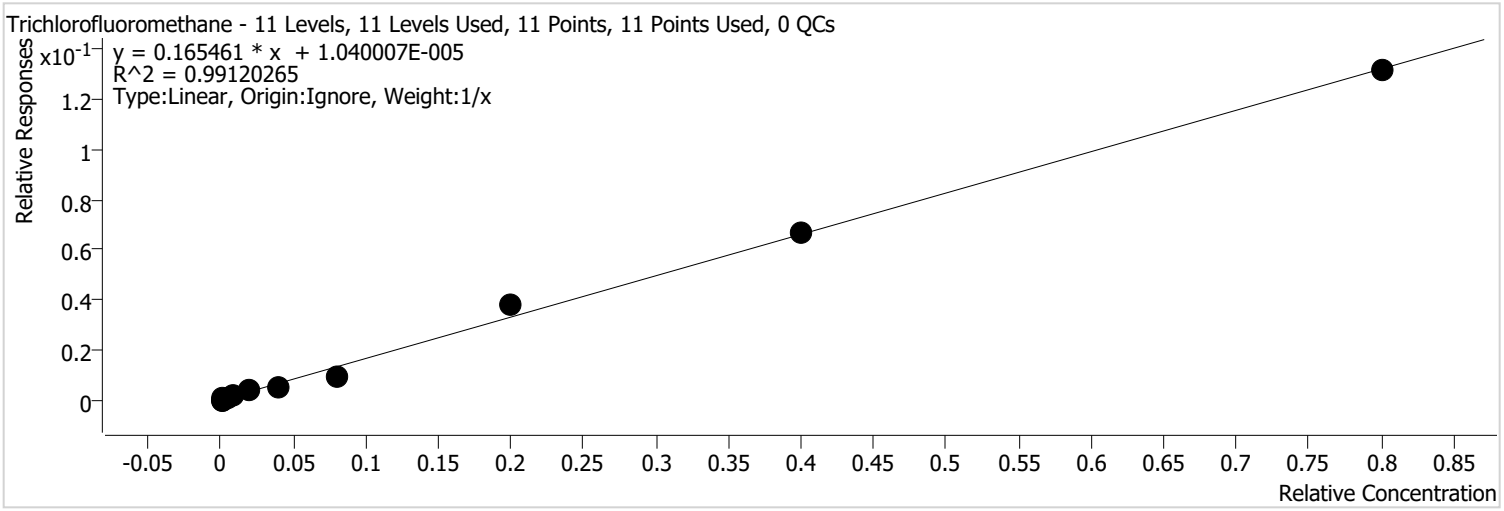


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3		118	0.0500	0.0223	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	159	0.1000	0.0146	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	354	0.2000	0.0160	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	716	0.5000	0.0131	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	1605	1.0000	0.0151	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	3391	2.0000	0.0157	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	8992	5.0000	0.0165	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	13498	10.0000	0.0122	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	22675	20.0000	0.0100	

Calibration Report

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:16 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

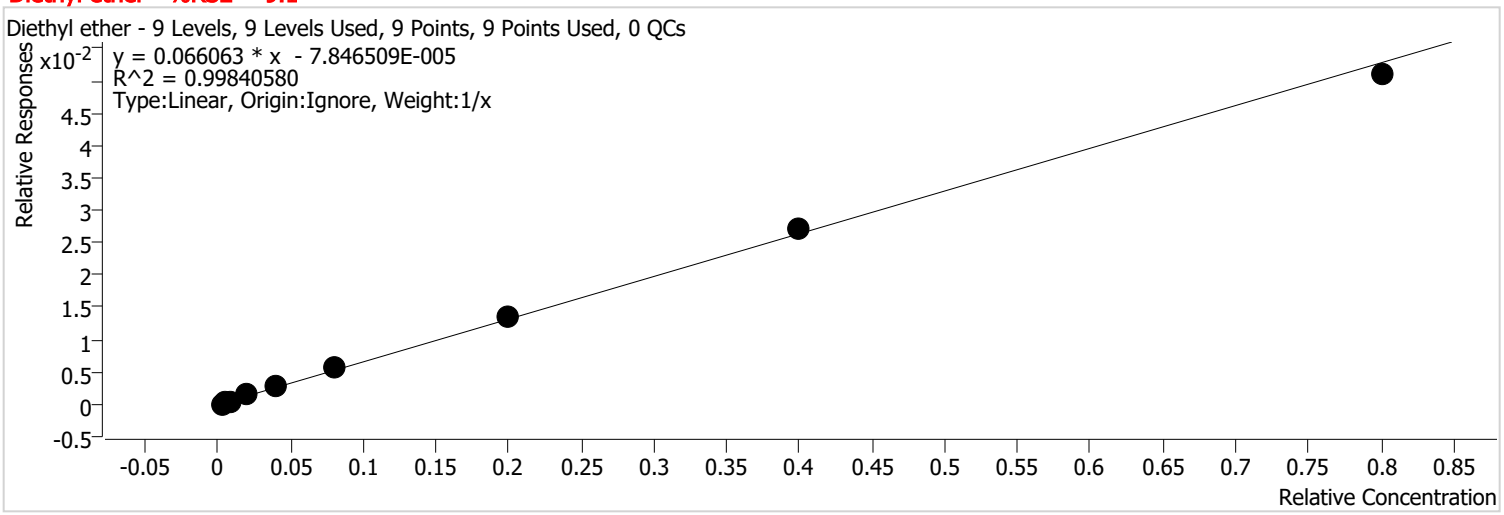
Trichlorofluoromethane %RSE = 18.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1	x	107	0.0050	0.1871	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	195	0.0100	0.1860	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	1123	0.0500	0.2121	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1969	0.1000	0.1813	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	3882	0.2000	0.1757	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	10925	0.5000	0.2000	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	13399	1.0000	0.1258	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	25959	2.0000	0.1198	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	103449	5.0000	0.1894	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	183737	10.0000	0.1664	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	374823	20.0000	0.1645	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:16 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

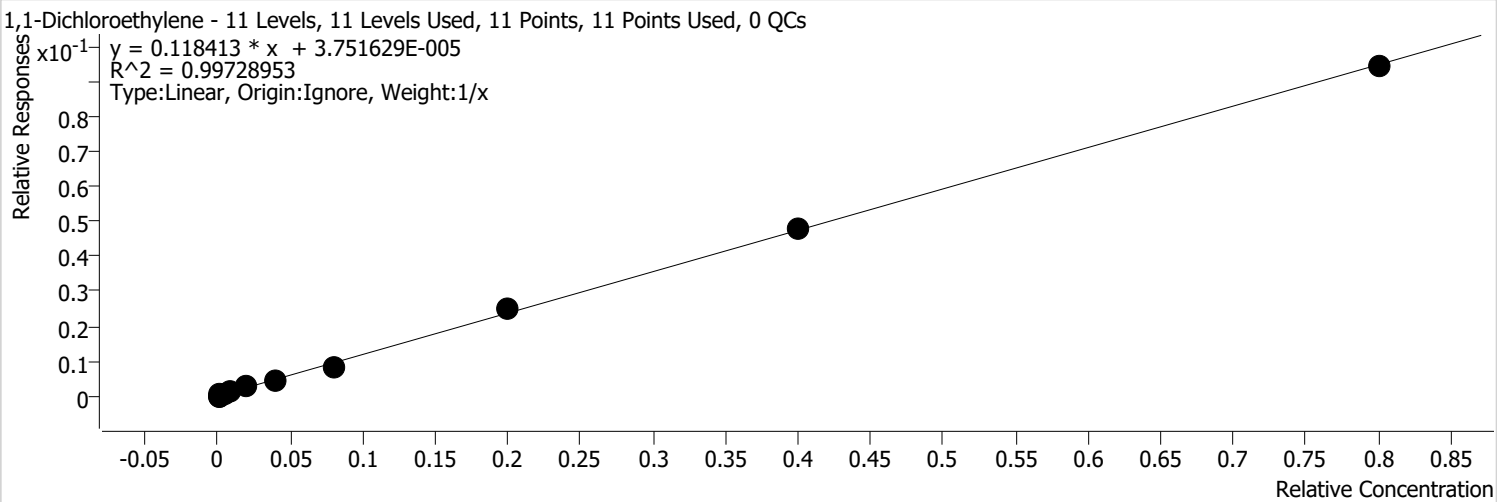
Diethyl ether %RSE = 9.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	98	0.0500	0.0186	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	397	0.1000	0.0366	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	1316	0.2000	0.0595	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	3755	0.5000	0.0687	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	7116	1.0000	0.0668	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	14813	2.0000	0.0684	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	37041	5.0000	0.0678	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	75399	10.0000	0.0683	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	144957	20.0000	0.0636	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

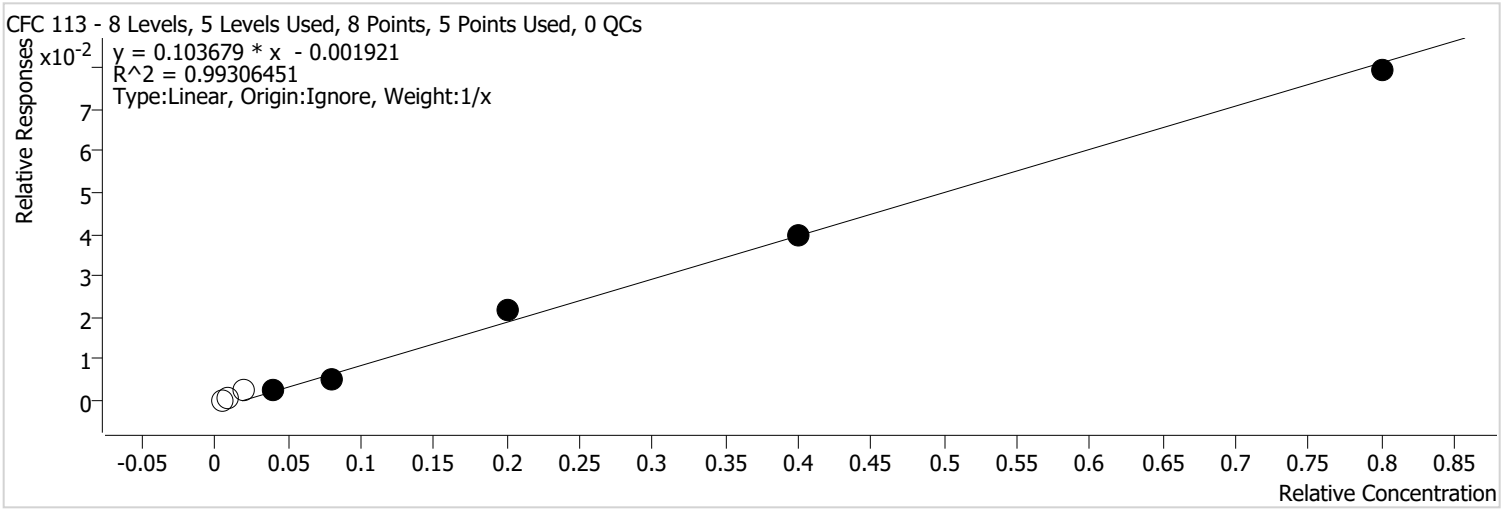
1,1-Dichloroethylene %RSE = 23.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1	x	202	0.0050	0.3535	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	160	0.0100	0.1530	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	849	0.0500	0.1603	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1398	0.1000	0.1287	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	2698	0.2000	0.1221	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	7364	0.5000	0.1348	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	10788	1.0000	0.1013	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	22049	2.0000	0.1018	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	69237	5.0000	0.1267	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	132916	10.0000	0.1204	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	268159	20.0000	0.1177	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

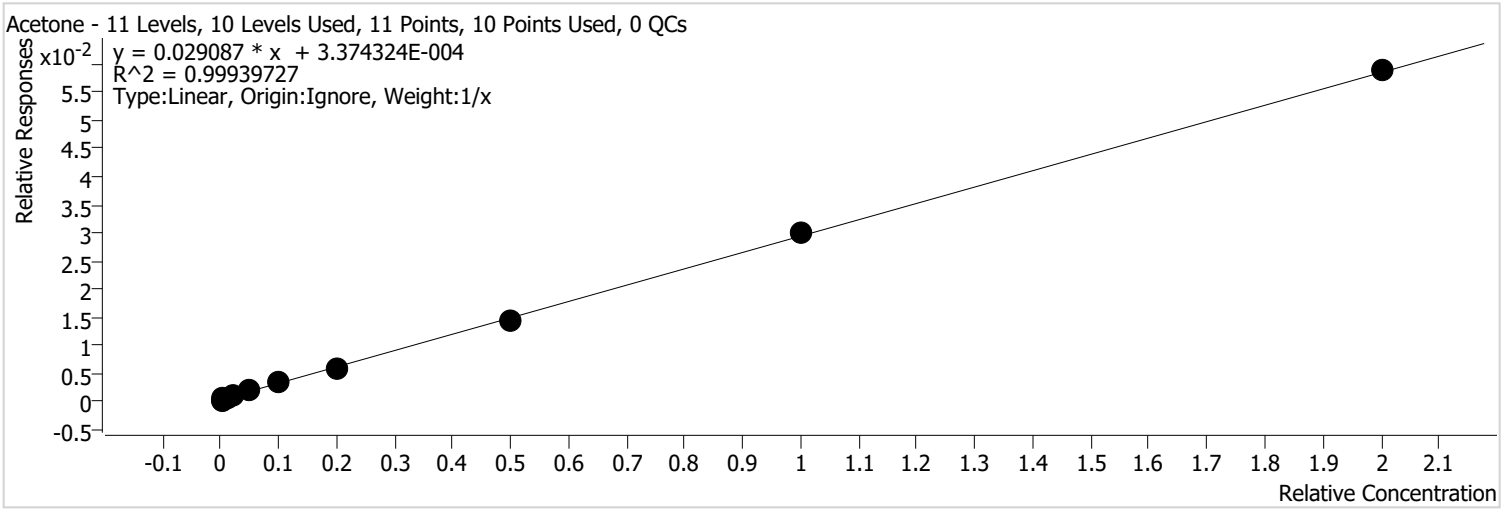
CFC 113 %RSE = 13.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042431.D	Calibration	4		675	0.1000	0.0622	
D:\GC-27\DATA\042425\042432.D	Calibration	5		1814	0.2000	0.0821	
D:\GC-27\DATA\042425\042433.D	Calibration	6		6617	0.5000	0.1211	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	6576	1.0000	0.0618	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	13224	2.0000	0.0610	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	59063	5.0000	0.1081	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	110129	10.0000	0.0997	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	225295	20.0000	0.0989	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

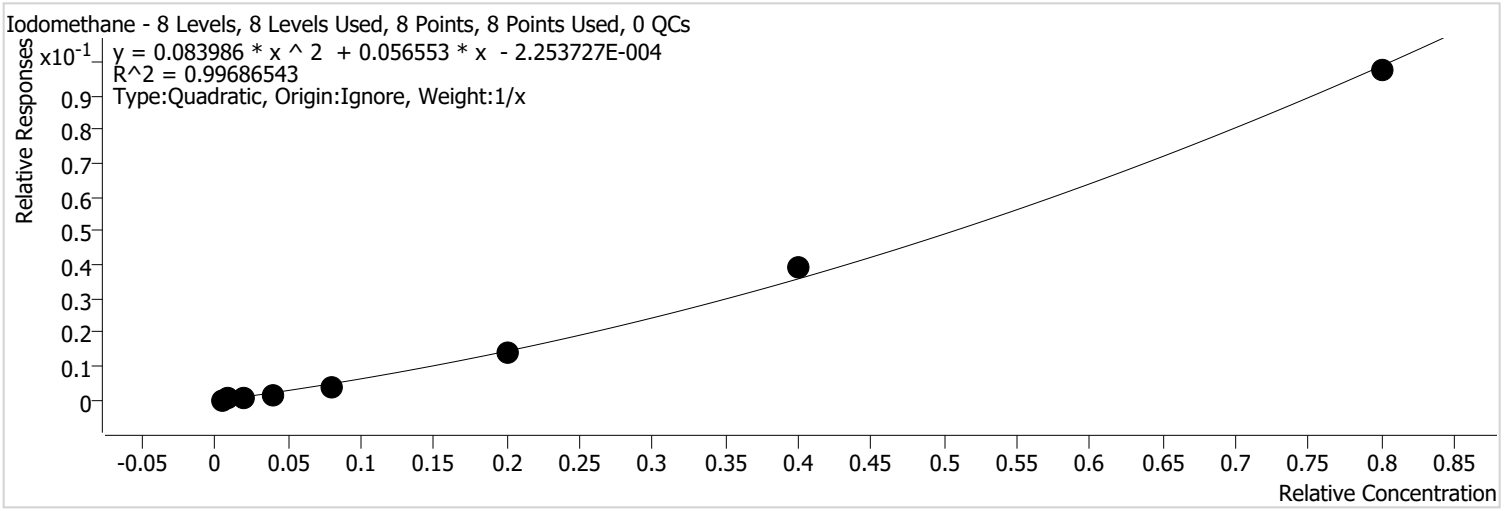
Acetone %RSE = 11.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		842	0.0125	0.5894	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	961	0.0250	0.3666	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	1376	0.1250	0.1040	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1605	0.2500	0.0591	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	2368	0.5000	0.0429	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	4918	1.2500	0.0360	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	8740	2.5000	0.0328	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	16339	5.0000	0.0302	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	38780	12.5000	0.0284	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	82668	25.0000	0.0299	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	167470	50.0000	0.0294	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

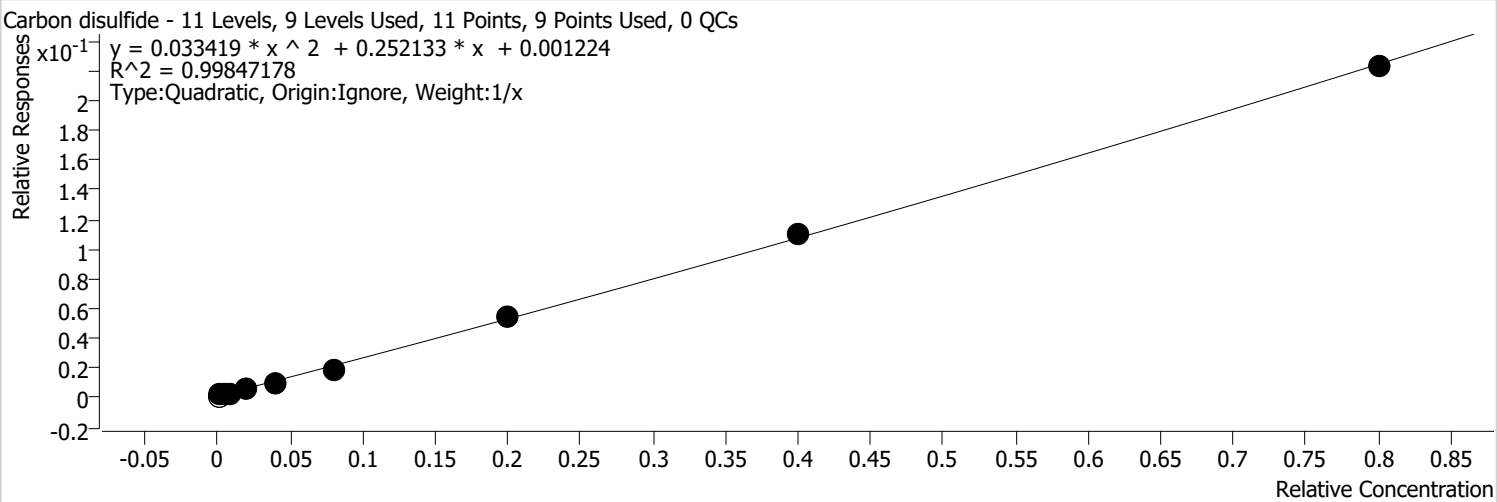
Iodomethane %RSE = 21.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	210	0.1000	0.0193	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	848	0.2000	0.0384	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	2231	0.5000	0.0408	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	4264	1.0000	0.0400	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	10258	2.0000	0.0473	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	39066	5.0000	0.0715	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	107550	10.0000	0.0974	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	277292	20.0000	0.1217	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

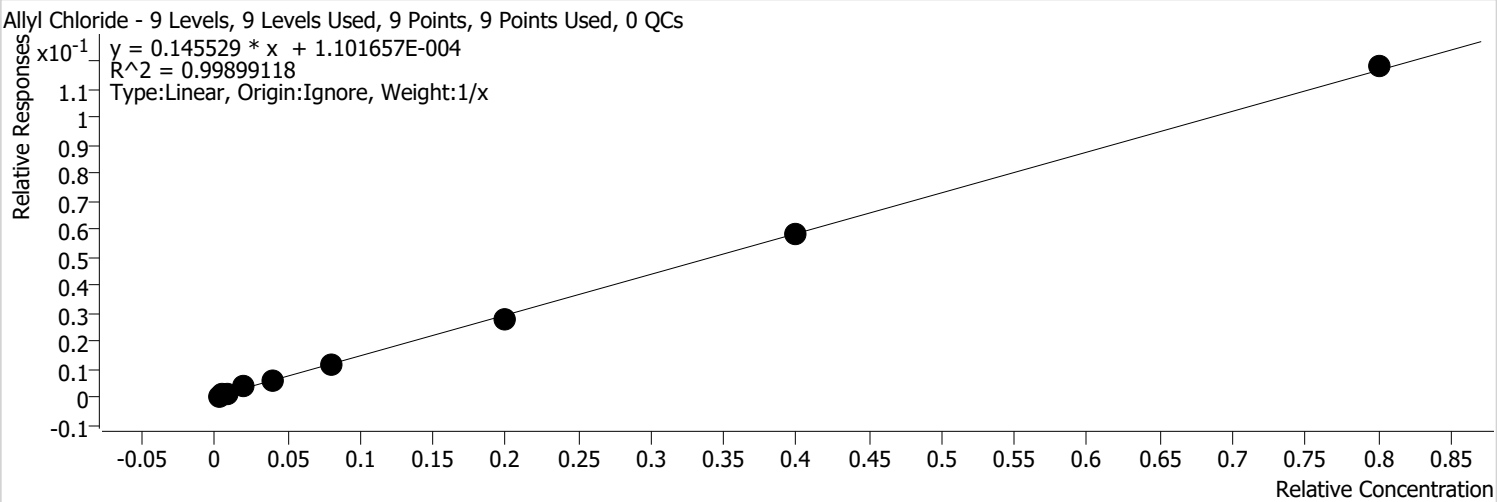
Carbon disulfide %RSE = 9.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		3632	0.0050	6.3531	
D:\GC-27\DATA\042425\042429.D	Calibration	2		3874	0.0100	3.6951	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	4727	0.0500	0.8931	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	6275	0.1000	0.5779	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	8757	0.2000	0.3962	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	17432	0.5000	0.3191	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	26887	1.0000	0.2525	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	52101	2.0000	0.2405	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	151157	5.0000	0.2767	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	304322	10.0000	0.2756	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	633945	20.0000	0.2783	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

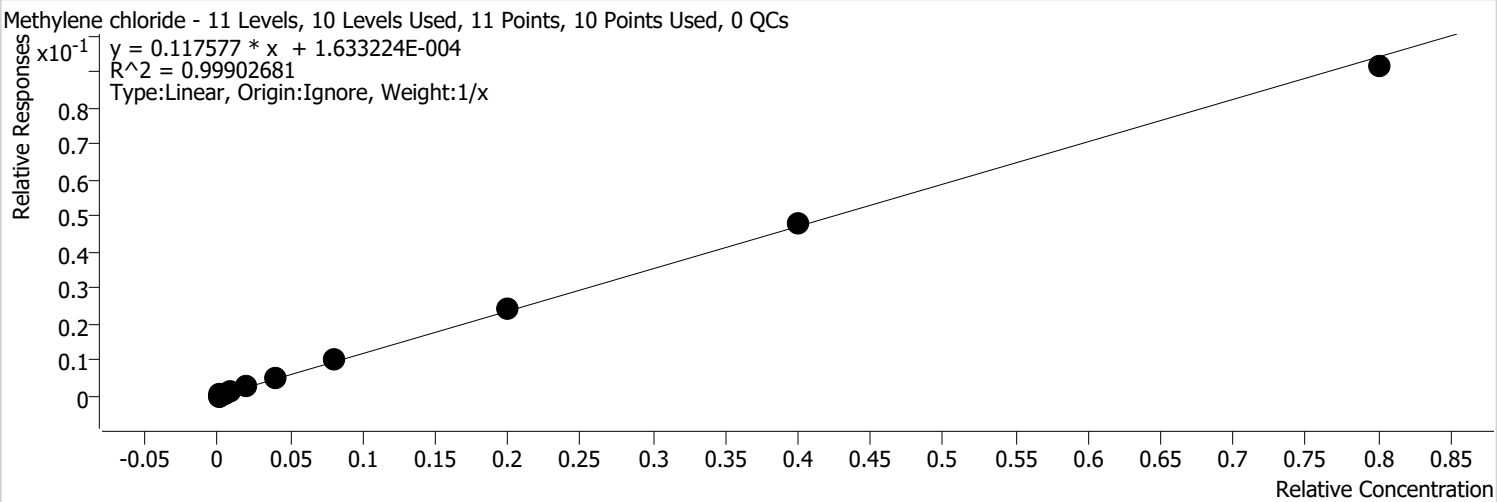
Allyl Chloride %RSE = 9.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	957	0.0500	0.1808	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1790	0.1000	0.1649	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	3861	0.2000	0.1747	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	9428	0.5000	0.1726	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	15655	1.0000	0.1470	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	31735	2.0000	0.1465	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	74770	5.0000	0.1369	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	161418	10.0000	0.1462	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	335537	20.0000	0.1473	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:17 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

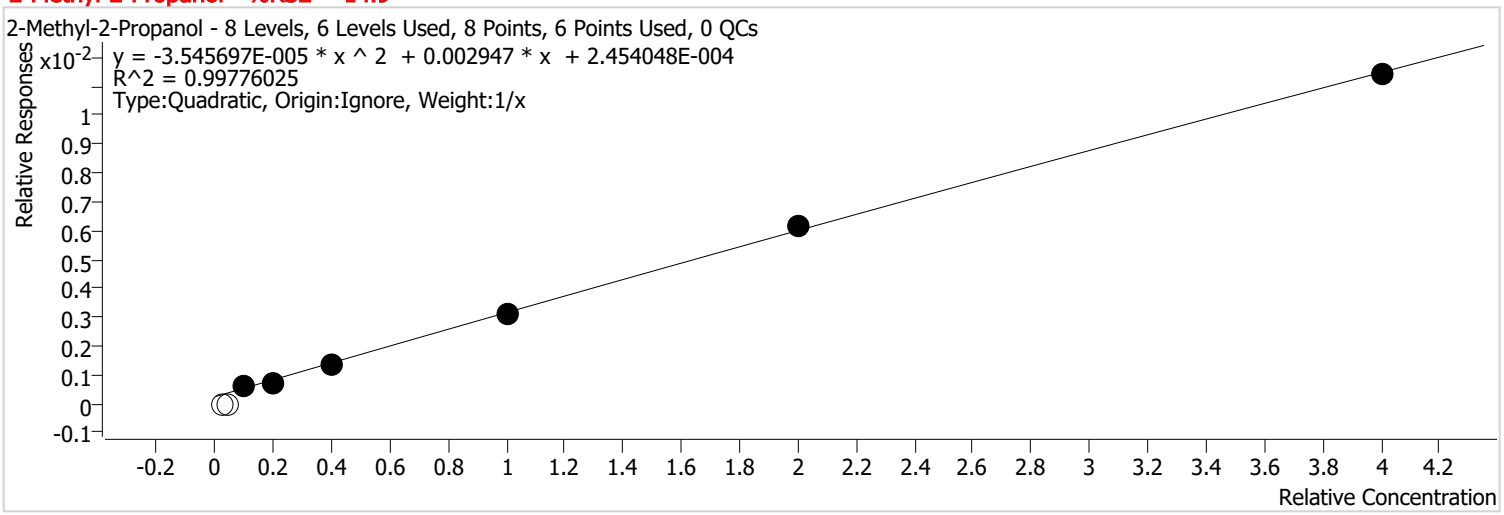
Methylene chloride %RSE = 8.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		664	0.0050	1.1617	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	525	0.0100	0.5011	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	1105	0.0500	0.2088	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1713	0.1000	0.1577	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	2966	0.2000	0.1342	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	7172	0.5000	0.1313	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	13543	1.0000	0.1272	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	27025	2.0000	0.1247	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	66805	5.0000	0.1223	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	133674	10.0000	0.1211	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	260563	20.0000	0.1144	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

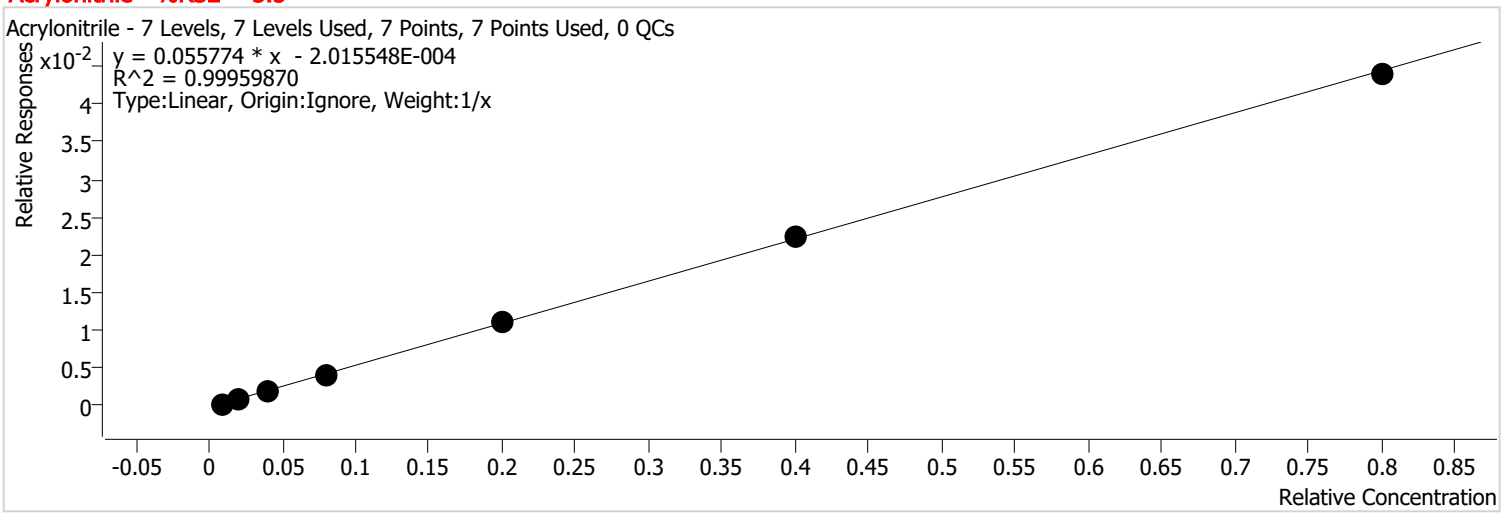
2-Methyl-2-Propanol %RSE = 14.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042431.D	Calibration	4		0	0.5000	0.0000	
D:\GC-27\DATA\042425\042432.D	Calibration	5		0	1.0000	0.0000	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	1624	2.5000	0.0059	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	1952	5.0000	0.0037	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	3739	10.0000	0.0035	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	8548	25.0000	0.0031	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	17095	50.0000	0.0031	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	32421	100.0000	0.0028	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Acrylonitrile %RSE = 3.5

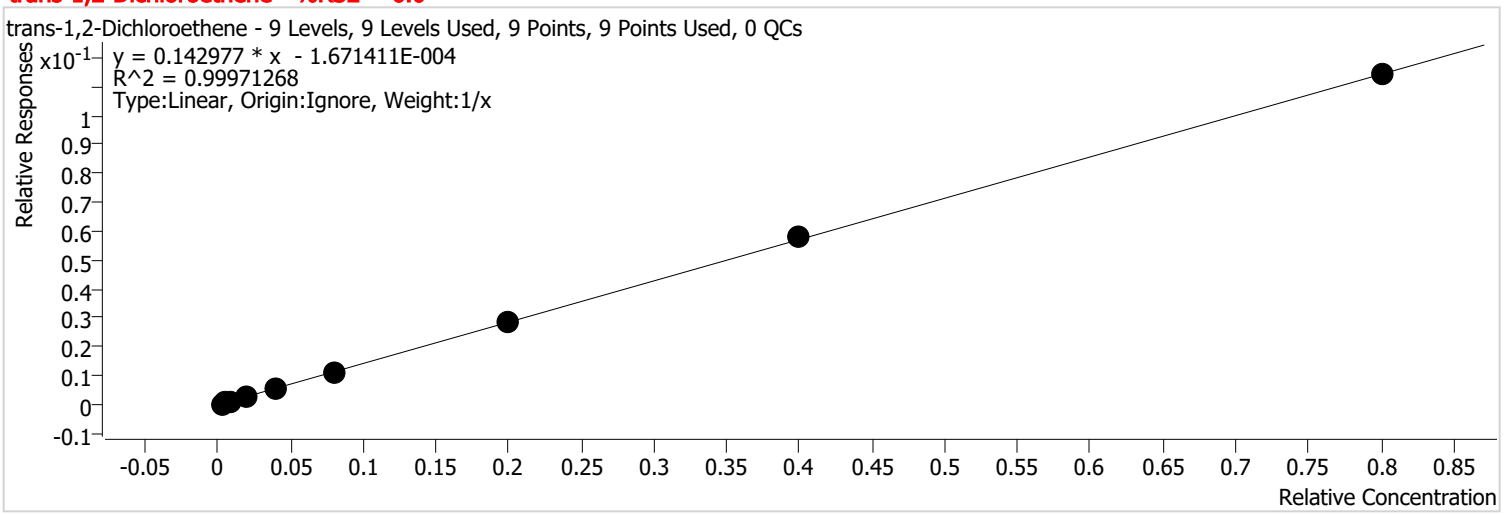


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	723	0.2000	0.0327	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	2344	0.5000	0.0429	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	5448	1.0000	0.0512	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	11181	2.0000	0.0516	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	30782	5.0000	0.0563	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	62090	10.0000	0.0562	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	124929	20.0000	0.0548	

Calibration Report

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

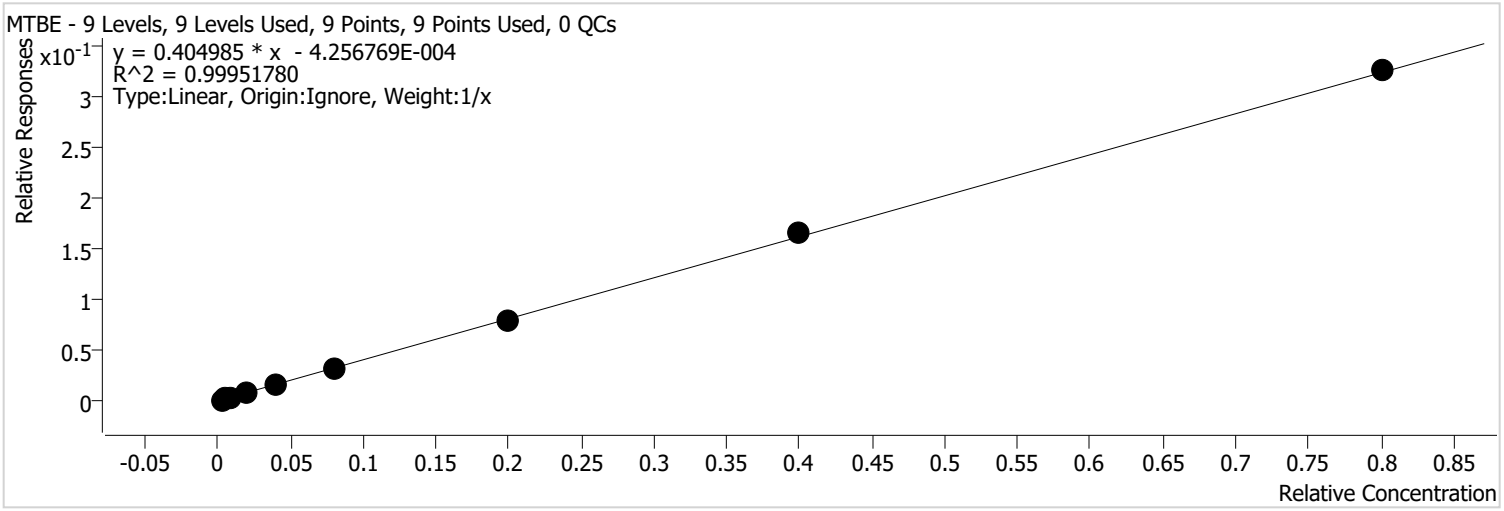
trans-1,2-Dichloroethene %RSE = 6.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	405	0.0500	0.0766	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1005	0.1000	0.0926	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	2616	0.2000	0.1184	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	7684	0.5000	0.1407	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	14002	1.0000	0.1315	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	29128	2.0000	0.1344	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	78620	5.0000	0.1439	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	158955	10.0000	0.1439	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	324689	20.0000	0.1425	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

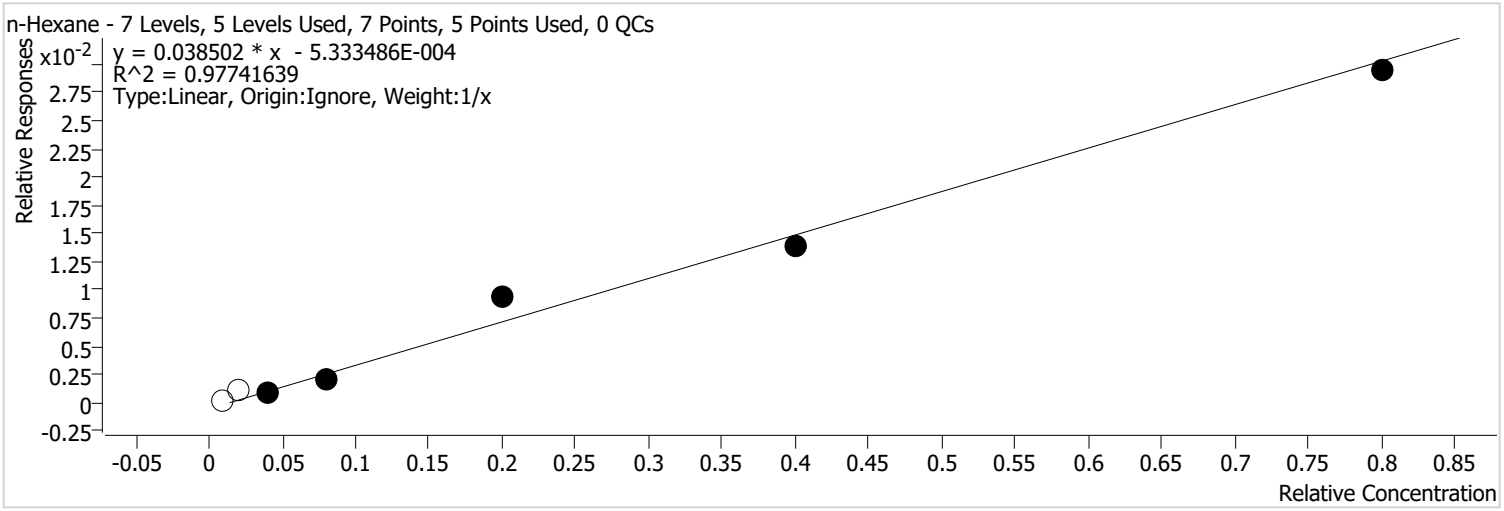
MTBE %RSE = 6.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	1247	0.0500	0.2357	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	3625	0.1000	0.3339	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	7283	0.2000	0.3295	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	20154	0.5000	0.3690	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	39911	1.0000	0.3748	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	81814	2.0000	0.3776	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	214681	5.0000	0.3930	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	454090	10.0000	0.4112	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	926643	20.0000	0.4068	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

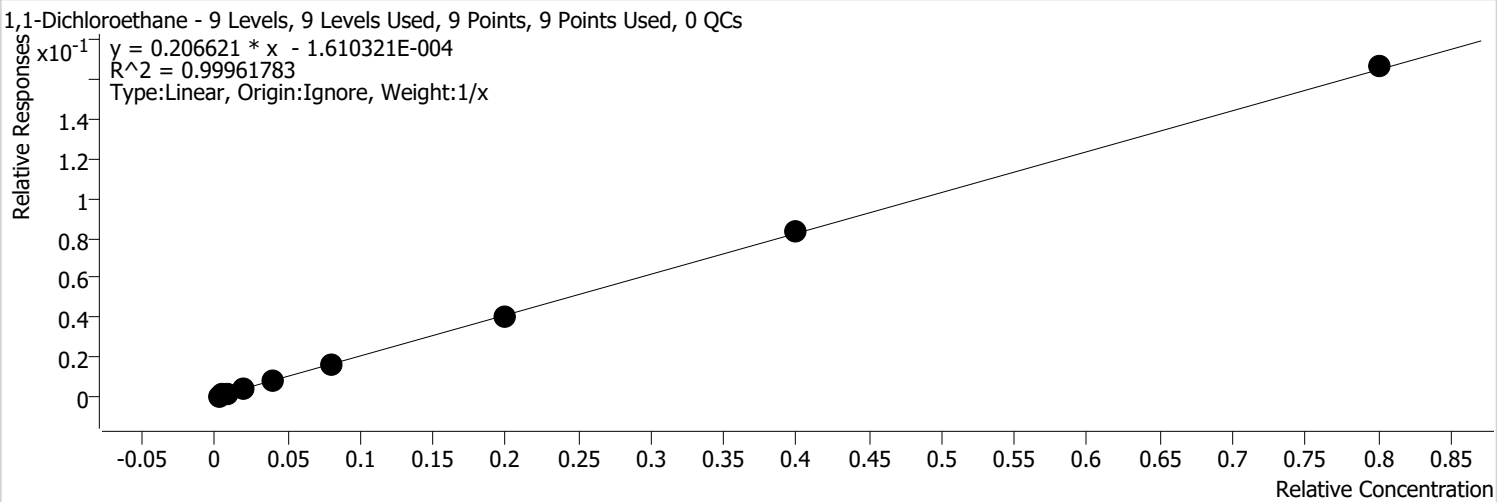
n-Hexane %RSE = 20.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042432.D	Calibration	5		718	0.2000	0.0325	
D:\GC-27\DATA\042425\042433.D	Calibration	6		2945	0.5000	0.0539	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	2425	1.0000	0.0228	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	5607	2.0000	0.0259	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	25976	5.0000	0.0476	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	38496	10.0000	0.0349	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	83777	20.0000	0.0368	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:17 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

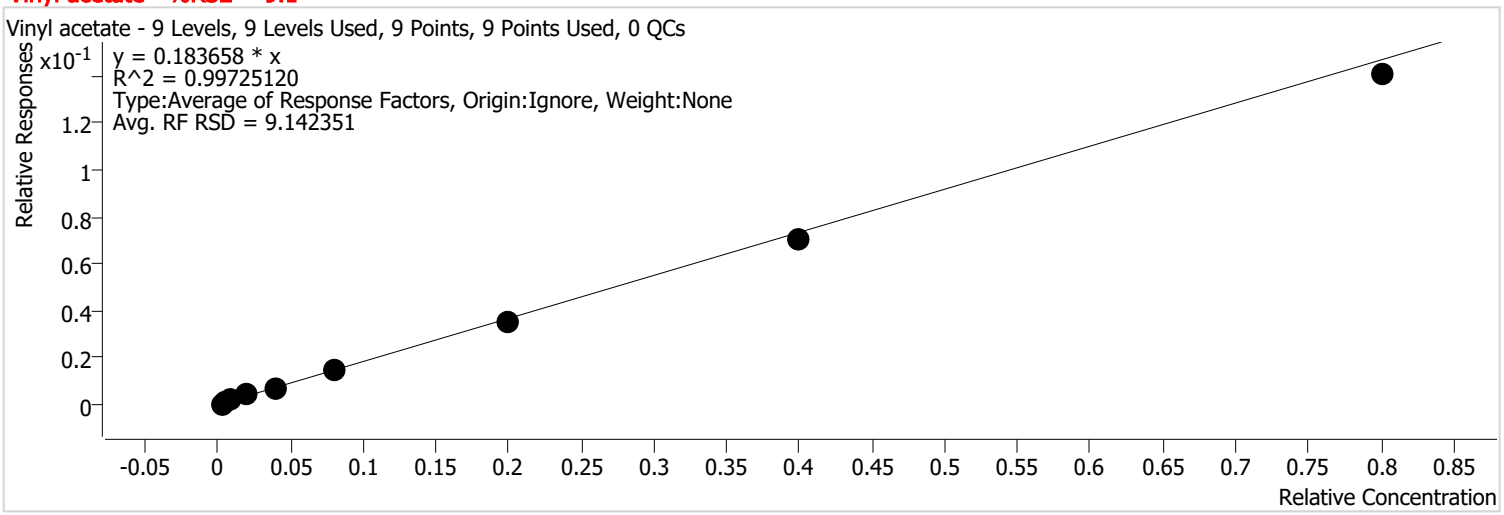
1,1-Dichloroethane %RSE = 8.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	881	0.0500	0.1664	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1809	0.1000	0.1666	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	3957	0.2000	0.1790	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	10122	0.5000	0.1853	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	20367	1.0000	0.1913	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	42536	2.0000	0.1963	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	110493	5.0000	0.2023	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	229262	10.0000	0.2076	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	474548	20.0000	0.2083	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:17 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

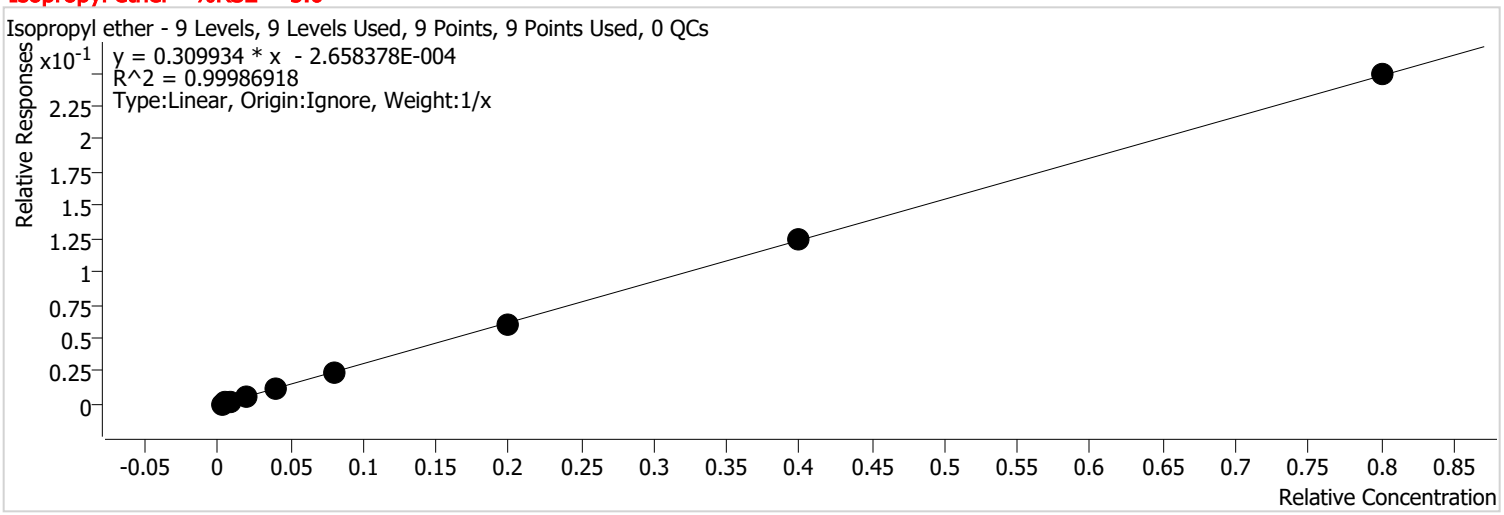
Vinyl acetate %RSE = 9.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	825	0.0500	0.1558	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	2168	0.1000	0.1997	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	4653	0.2000	0.2105	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	10965	0.5000	0.2007	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	18997	1.0000	0.1784	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	38556	2.0000	0.1780	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	96603	5.0000	0.1768	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	195821	10.0000	0.1773	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	400263	20.0000	0.1757	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:17 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

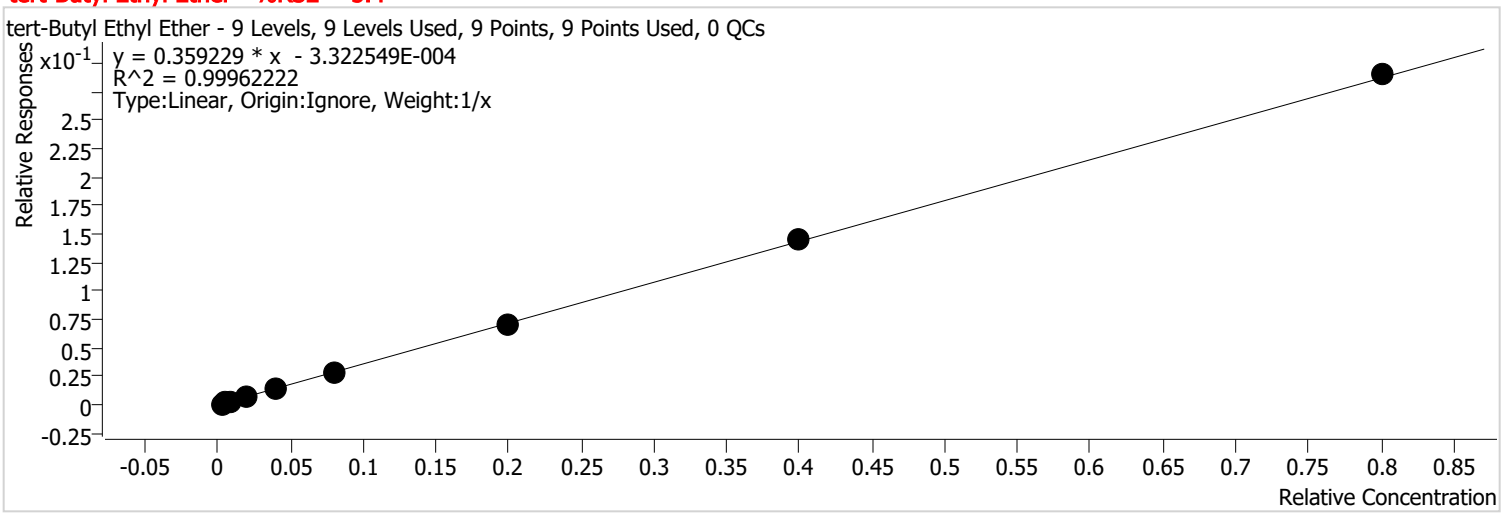
Isopropyl ether %RSE = 5.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	1120	0.0500	0.2116	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	2556	0.1000	0.2354	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	5742	0.2000	0.2598	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	16194	0.5000	0.2965	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	32323	1.0000	0.3035	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	64628	2.0000	0.2983	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	165929	5.0000	0.3037	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	344340	10.0000	0.3118	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	707316	20.0000	0.3105	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

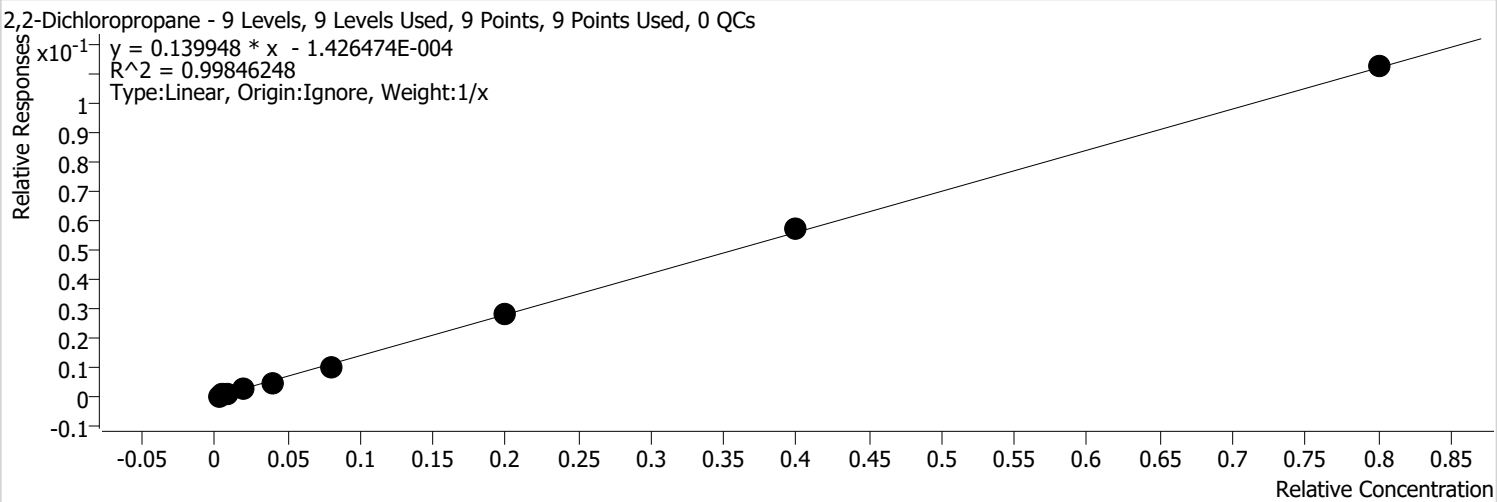
tert-Butyl Ethyl Ether %RSE = 5.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	1212	0.0500	0.2289	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	3176	0.1000	0.2925	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	6503	0.2000	0.2942	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	18856	0.5000	0.3452	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	35926	1.0000	0.3374	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	74429	2.0000	0.3435	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	188412	5.0000	0.3449	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	399020	10.0000	0.3613	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	825443	20.0000	0.3623	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Quant Batch Version	10.0	**Quant Report Version**	10.0

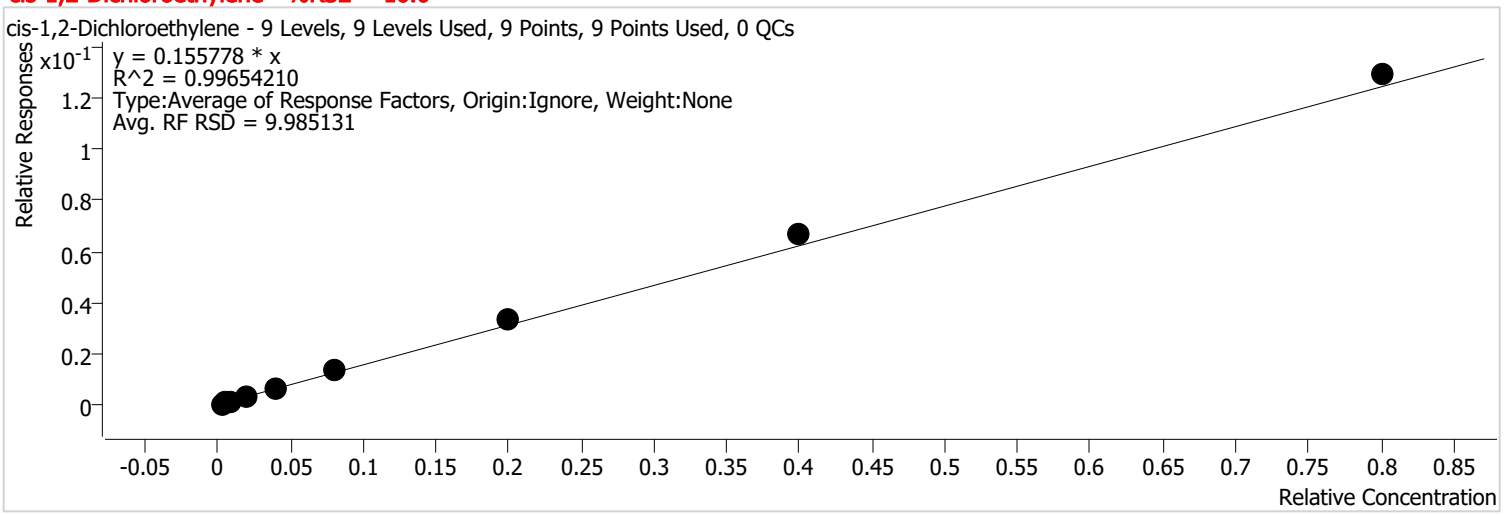
2,2-Dichloropropane %RSE = 9.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	468	0.0500	0.0885	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1260	0.1000	0.1160	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	2589	0.2000	0.1171	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	7479	0.5000	0.1369	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	12318	1.0000	0.1157	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	26451	2.0000	0.1221	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	77745	5.0000	0.1423	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	156956	10.0000	0.1421	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	319412	20.0000	0.1402	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

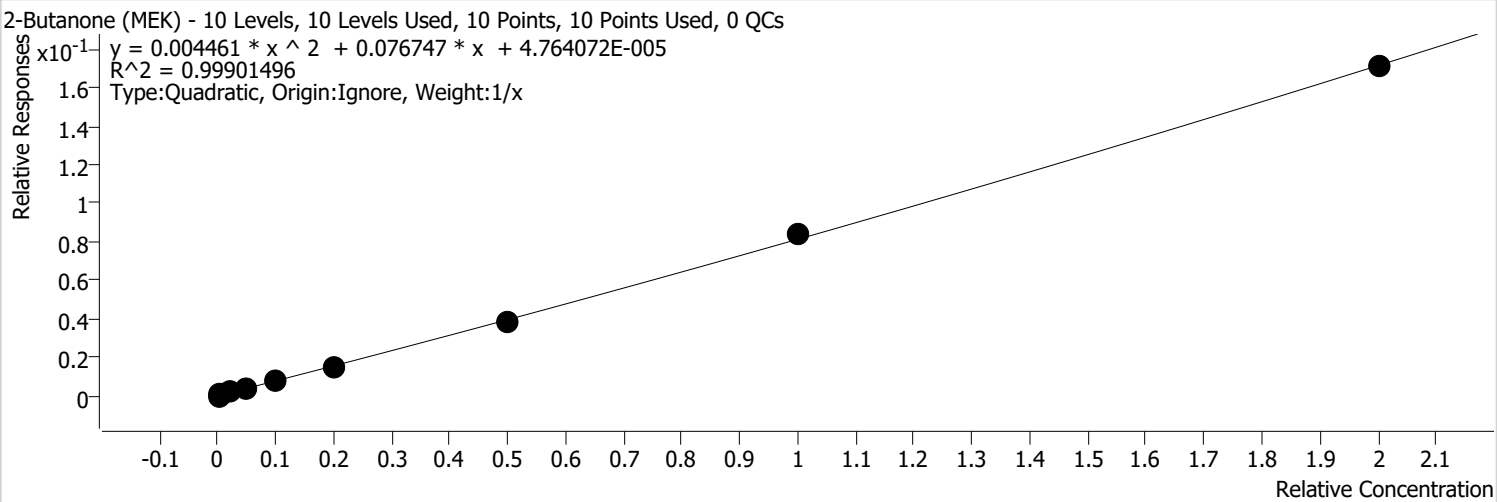
cis-1,2-Dichloroethylene %RSE = 10.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	704	0.0500	0.1331	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1410	0.1000	0.1298	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	3198	0.2000	0.1447	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	9061	0.5000	0.1659	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	17613	1.0000	0.1654	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	35671	2.0000	0.1646	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	92279	5.0000	0.1689	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	185316	10.0000	0.1678	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	368327	20.0000	0.1617	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

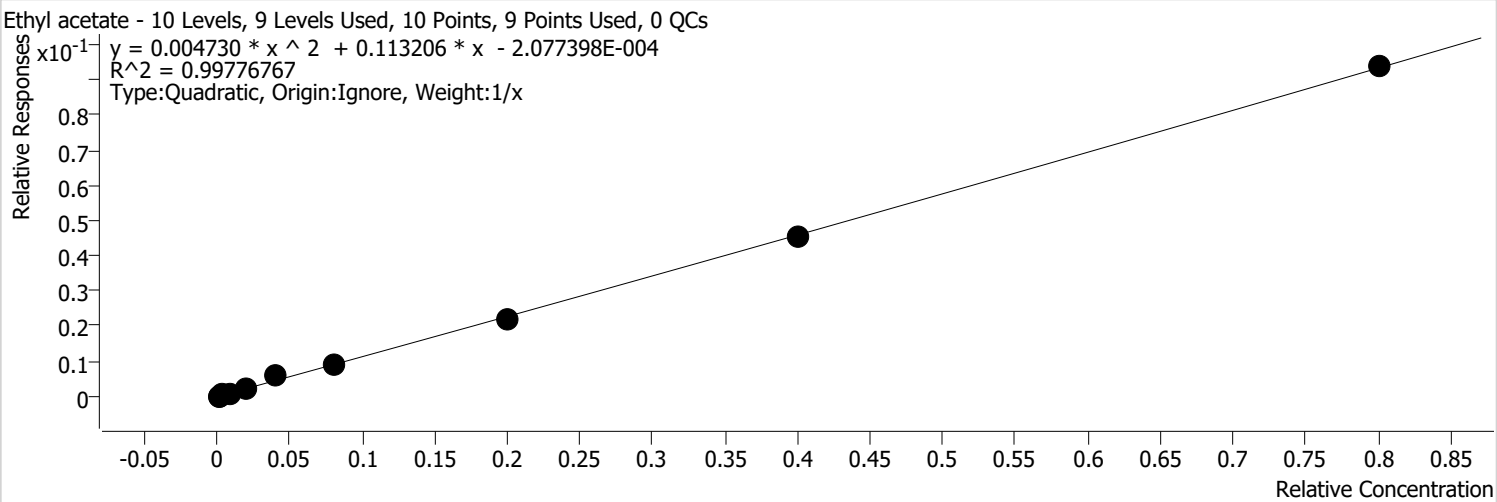
2-Butanone (MEK) %RSE = 27.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	201	0.0250	0.0767	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	1414	0.1250	0.1068	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	2600	0.2500	0.0958	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	4936	0.5000	0.0893	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	11894	1.2500	0.0871	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	20481	2.5000	0.0769	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	39613	5.0000	0.0731	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	104298	12.5000	0.0764	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	230354	25.0000	0.0834	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	486125	50.0000	0.0854	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

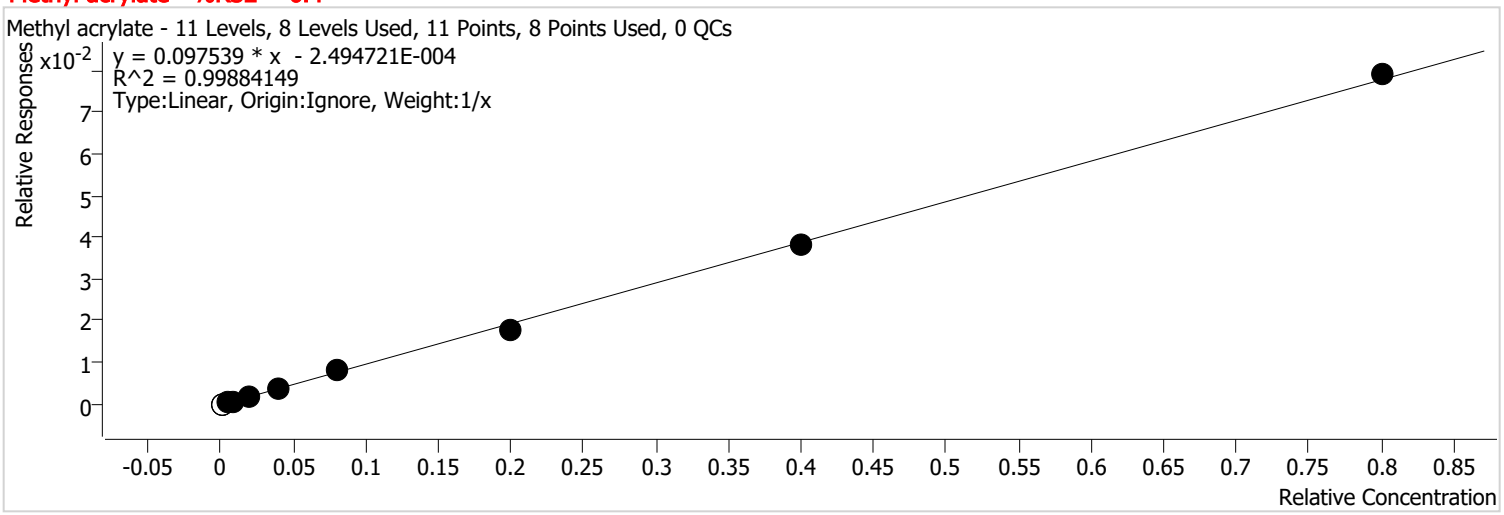
Ethyl acetate %RSE = 13.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042429.D	Calibration	2		0	0.0100	0.0000	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	74	0.0500	0.0140	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	613	0.1000	0.0564	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	1506	0.2000	0.0681	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	5309	0.5000	0.0972	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	14695	1.0000	0.1380	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	24135	2.0000	0.1114	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	59223	5.0000	0.1084	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	125514	10.0000	0.1137	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	266950	20.0000	0.1172	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

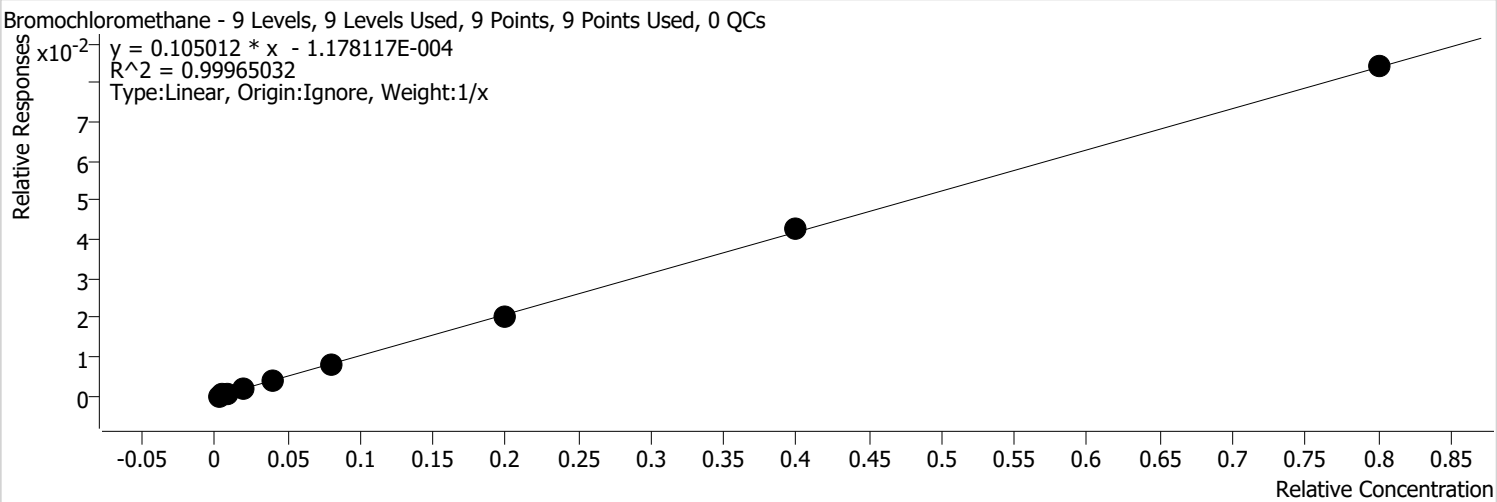
Methyl acrylate %RSE = 6.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		0	0.0050	0.0000	
D:\GC-27\DATA\042425\042429.D	Calibration	2		0	0.0100	0.0000	
D:\GC-27\DATA\042425\042430.D	Calibration	3		0	0.0500	0.0000	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	316	0.1000	0.0291	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	1366	0.2000	0.0618	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	5201	0.5000	0.0952	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	9953	1.0000	0.0935	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	21456	2.0000	0.0990	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	48933	5.0000	0.0896	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	105748	10.0000	0.0958	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	224928	20.0000	0.0987	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:17 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

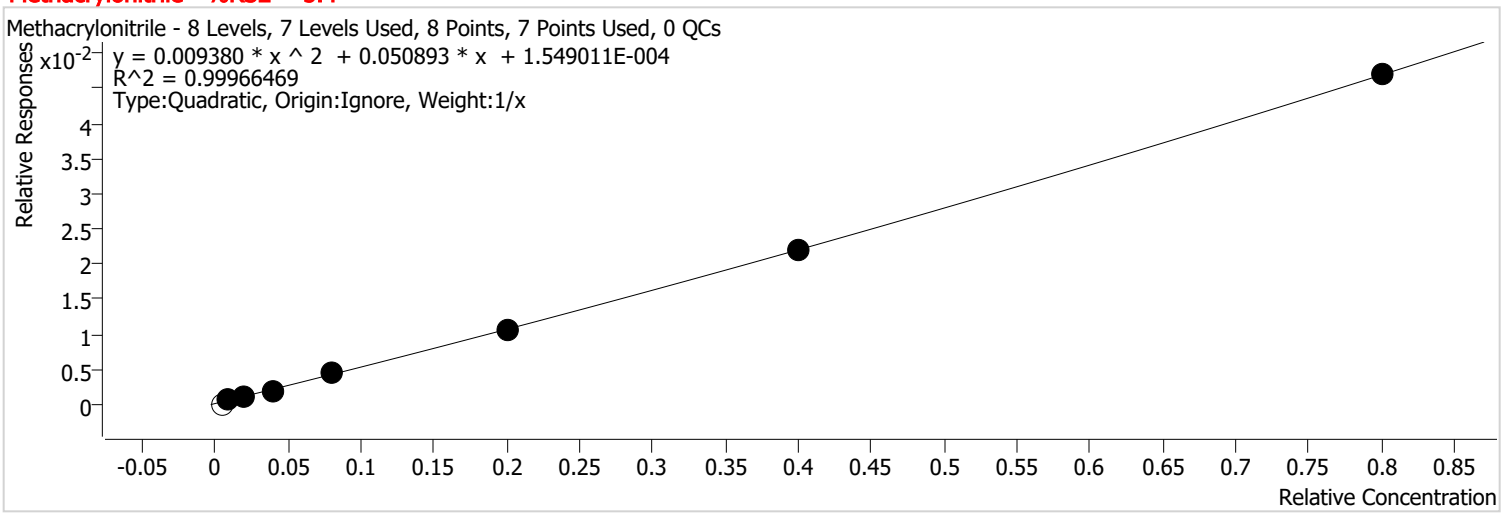
Bromochloromethane %RSE = 6.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	319	0.0500	0.0604	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	872	0.1000	0.0803	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	1843	0.2000	0.0834	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	5120	0.5000	0.0937	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	10585	1.0000	0.0994	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	21483	2.0000	0.0992	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	56003	5.0000	0.1025	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	117870	10.0000	0.1067	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	239303	20.0000	0.1050	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:17 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

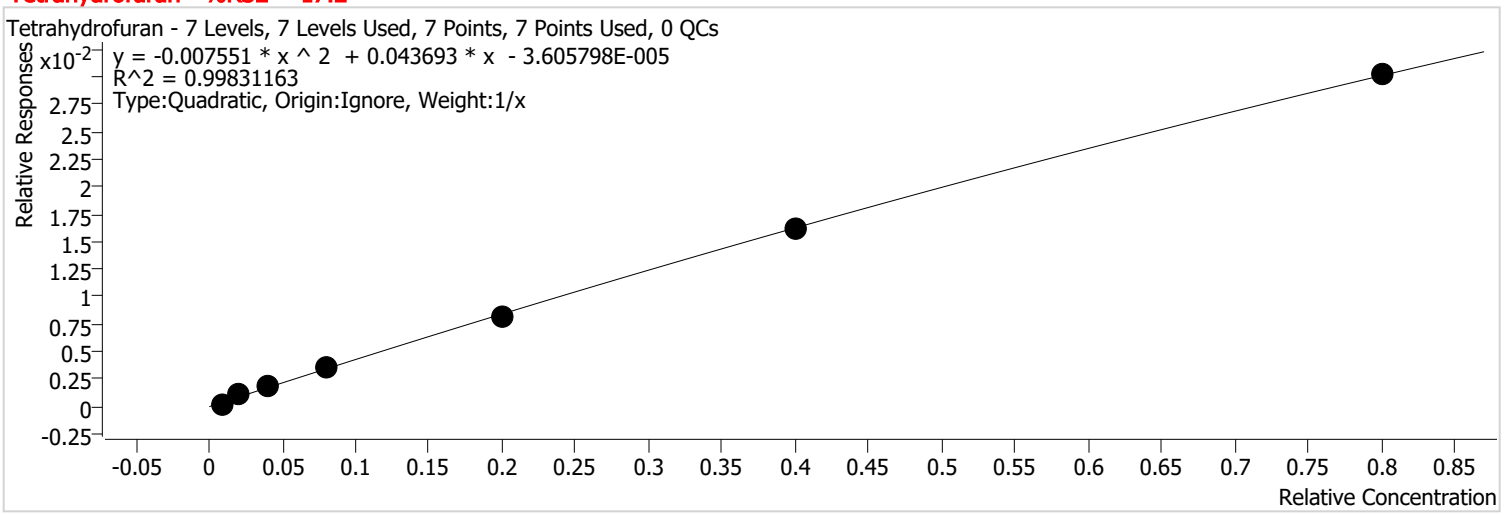
Methacrylonitrile %RSE = 5.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042431.D	Calibration	4		323	0.1000	0.0297	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	1563	0.2000	0.0707	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	3315	0.5000	0.0607	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	5385	1.0000	0.0506	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	12147	2.0000	0.0561	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	29265	5.0000	0.0536	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	60502	10.0000	0.0548	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	133576	20.0000	0.0586	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

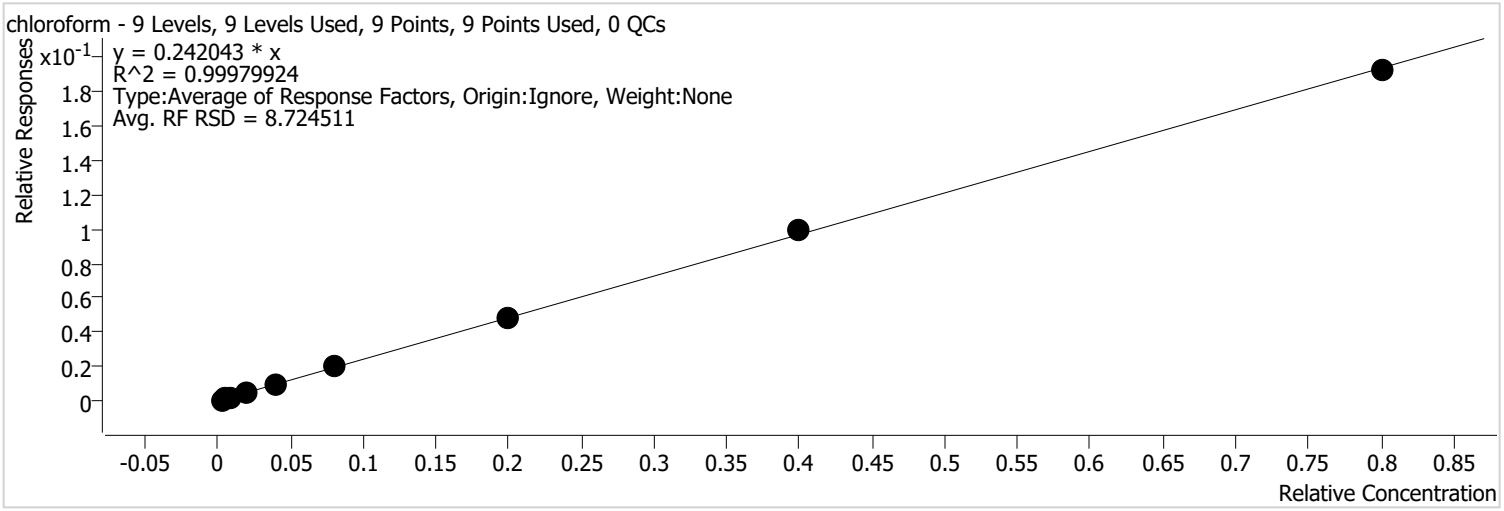
Tetrahydrofuran %RSE = 17.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	621	0.2000	0.0281	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	2816	0.5000	0.0516	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	4727	1.0000	0.0444	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	9382	2.0000	0.0433	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	22223	5.0000	0.0407	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	44673	10.0000	0.0405	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	85897	20.0000	0.0377	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:17 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

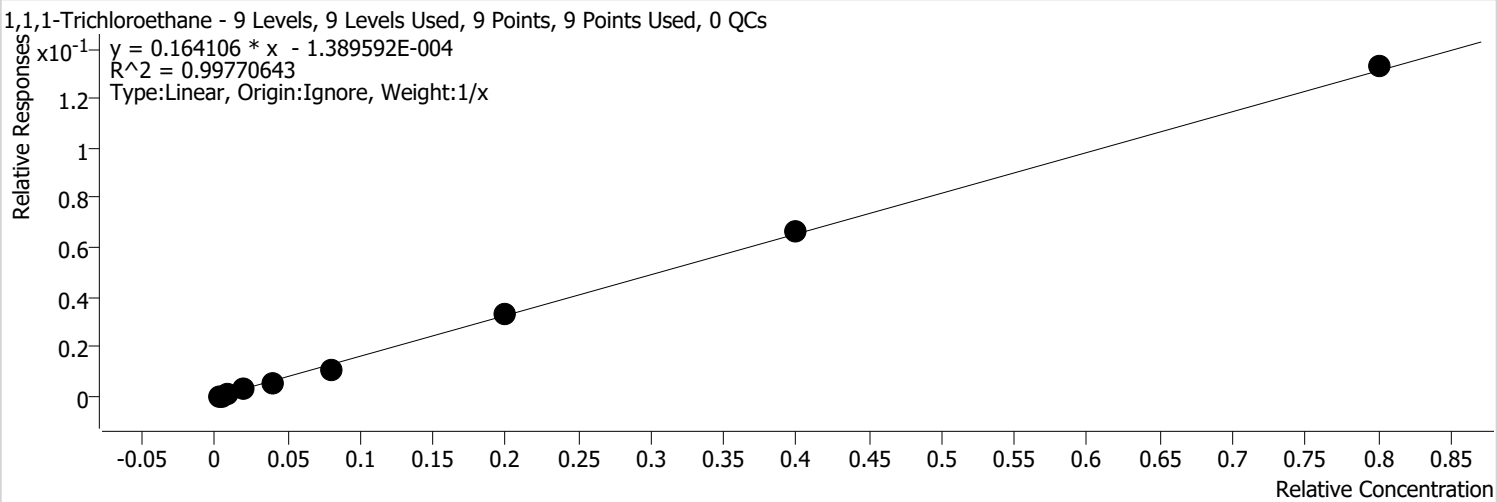
chloroform %RSE = 8.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	1542	0.0500	0.2914	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	2342	0.1000	0.2157	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	4942	0.2000	0.2236	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	12886	0.5000	0.2359	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	25322	1.0000	0.2378	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	53206	2.0000	0.2456	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	131834	5.0000	0.2413	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	272807	10.0000	0.2471	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	546830	20.0000	0.2400	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:17 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

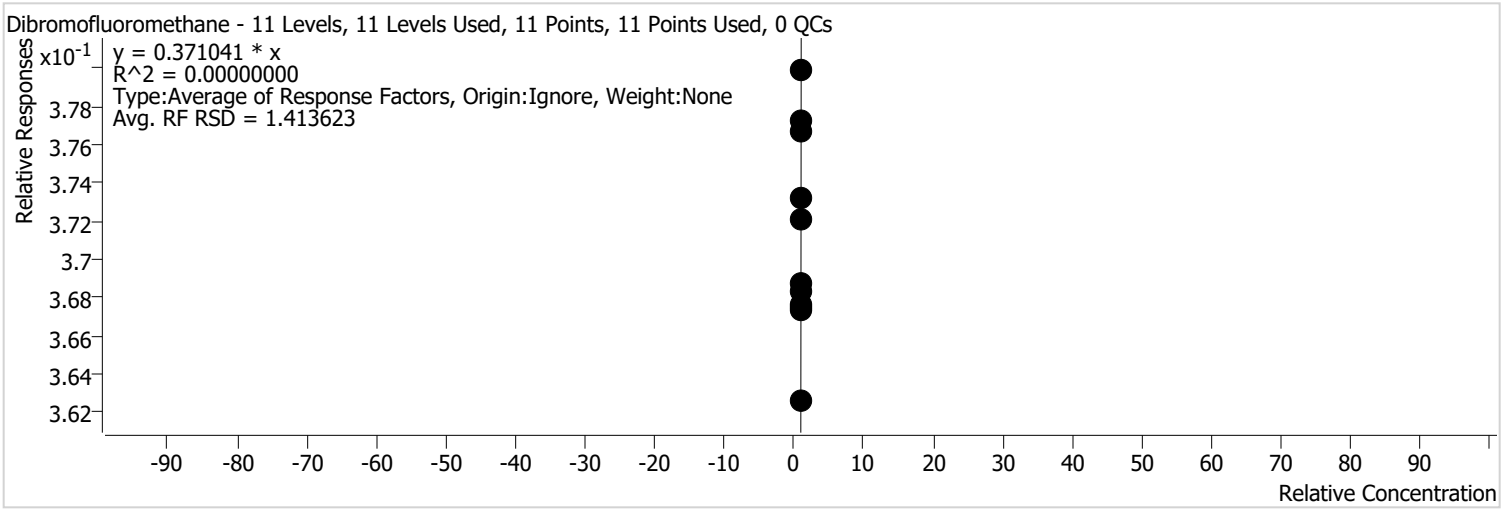
1,1,1-Trichloroethane %RSE = 18.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	855	0.0500	0.1615	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1138	0.1000	0.1048	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	2999	0.2000	0.1357	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	9307	0.5000	0.1704	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	14201	1.0000	0.1334	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	30326	2.0000	0.1400	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	89795	5.0000	0.1644	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	183198	10.0000	0.1659	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	378074	20.0000	0.1660	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:17 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

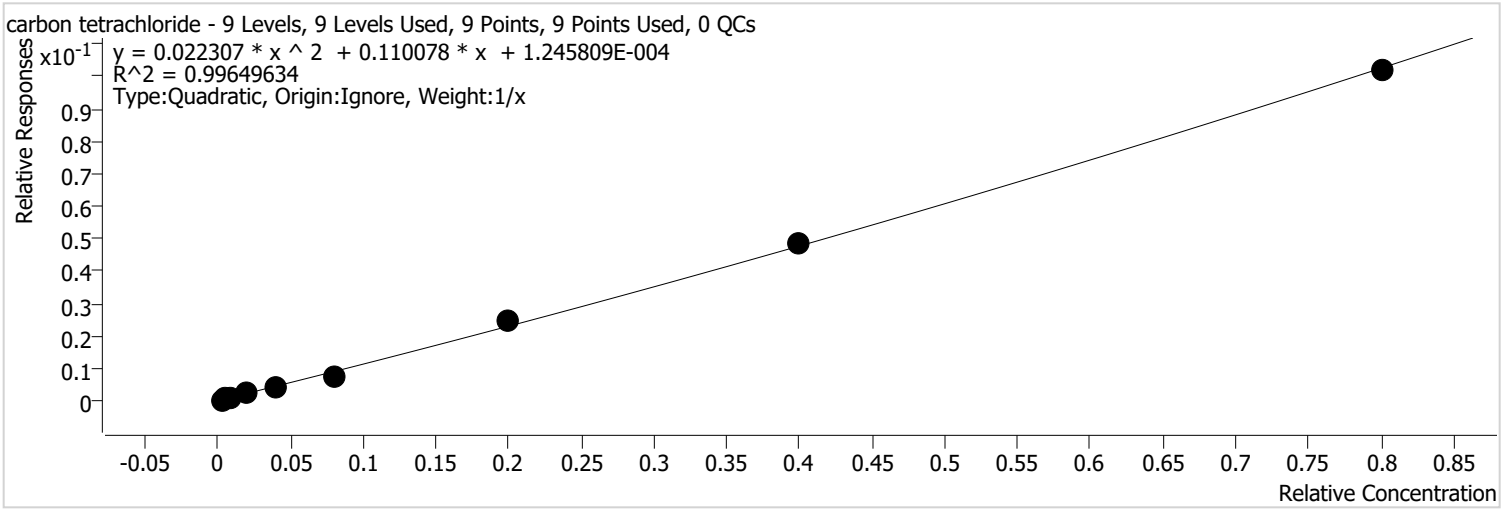
Dibromofluoromethane %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1	x	1050387	25.0000	0.3675	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	1074429	25.0000	0.3773	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	1039930	25.0000	0.3767	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	1019444	25.0000	0.3732	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	995624	25.0000	0.3676	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	990522	25.0000	0.3721	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	990479	25.0000	0.3627	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	1014958	25.0000	0.3674	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1001068	25.0000	0.3688	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	974870	25.0000	0.3684	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	995599	25.0000	0.3798	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

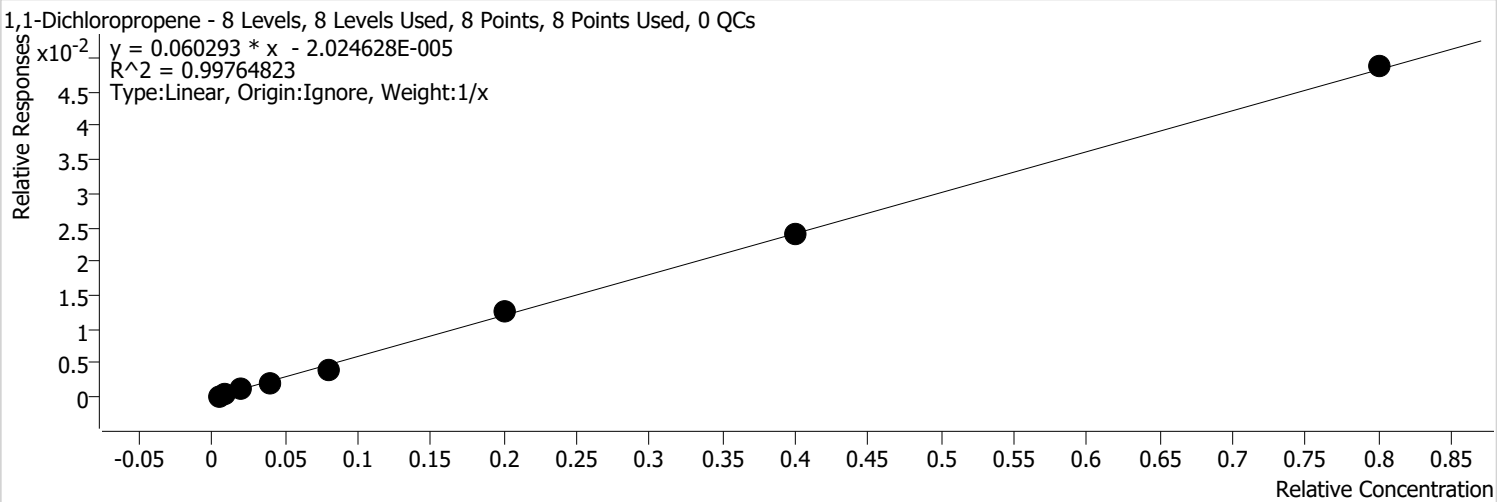
carbon tetrachloride %RSE = 12.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	935	0.0500	0.1766	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1618	0.1000	0.1490	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	2877	0.2000	0.1302	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	7129	0.5000	0.1305	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	10080	1.0000	0.0947	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	19882	2.0000	0.0918	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	67985	5.0000	0.1244	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	134856	10.0000	0.1221	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	289436	20.0000	0.1271	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

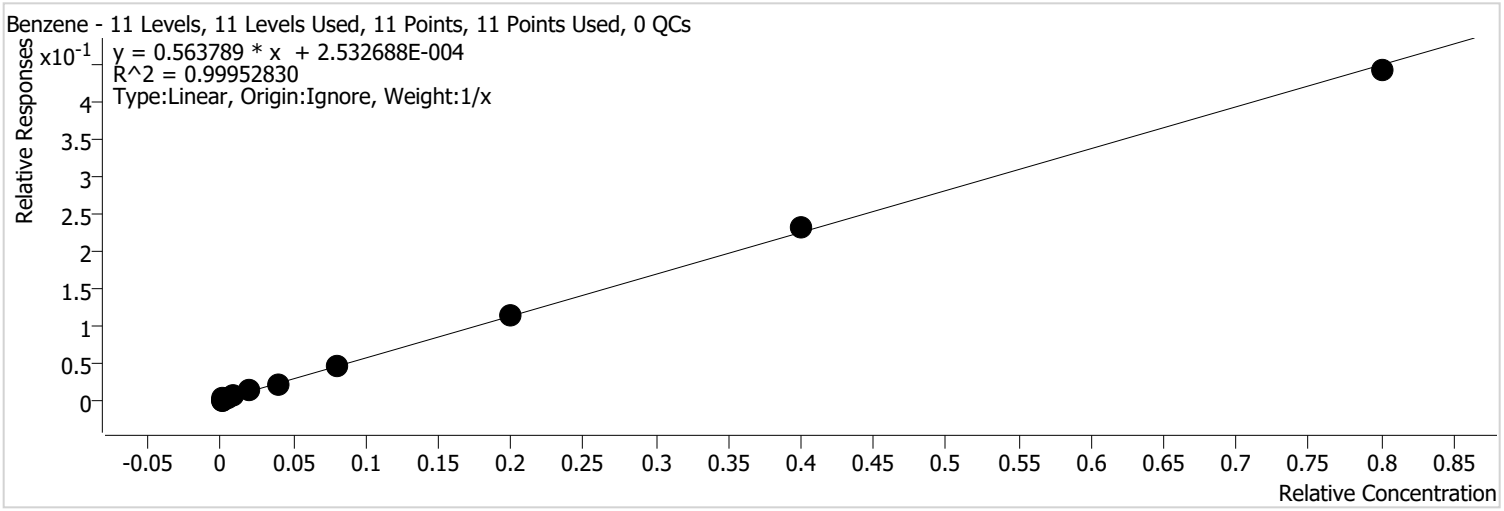
1,1-Dichloropropene %RSE = 10.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	583	0.1000	0.0537	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	1385	0.2000	0.0627	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	3749	0.5000	0.0686	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	5760	1.0000	0.0541	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	10922	2.0000	0.0504	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	34203	5.0000	0.0626	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	66116	10.0000	0.0599	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	138553	20.0000	0.0608	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:17 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

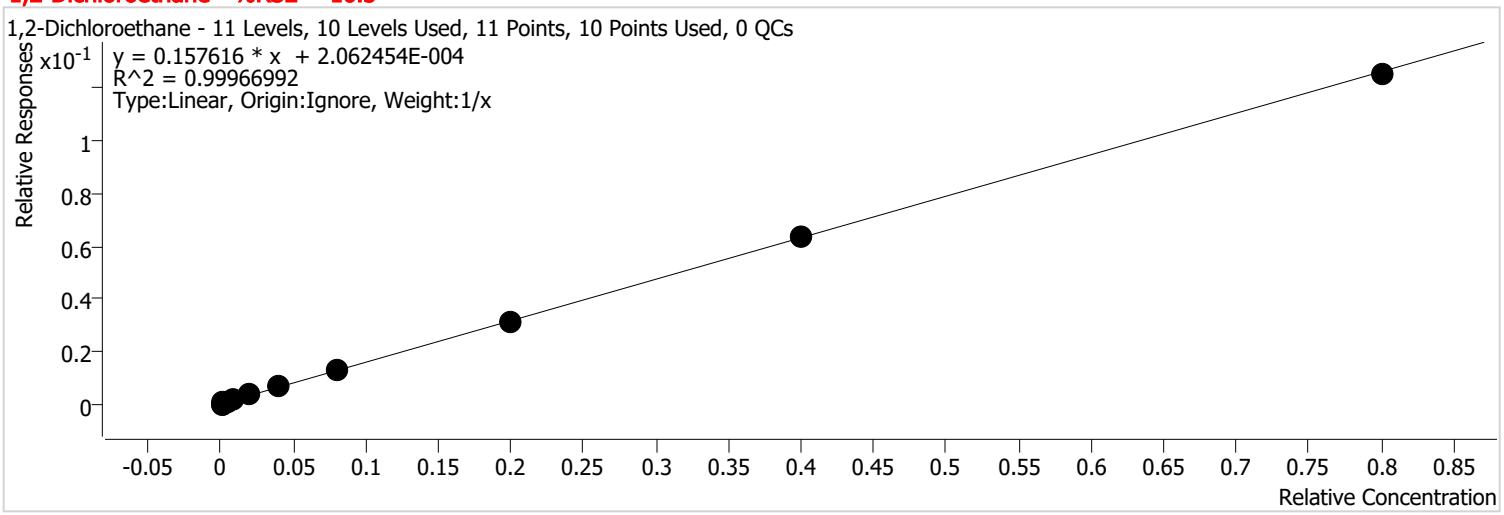
Benzene %RSE = 8.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1	x	995	0.0050	1.7402	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	1241	0.0100	1.1840	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	4213	0.0500	0.7961	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	6752	0.1000	0.6218	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	12822	0.2000	0.5801	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	32277	0.5000	0.5909	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	59821	1.0000	0.5618	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	121858	2.0000	0.5624	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	314633	5.0000	0.5759	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	640181	10.0000	0.5797	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	1262475	20.0000	0.5542	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

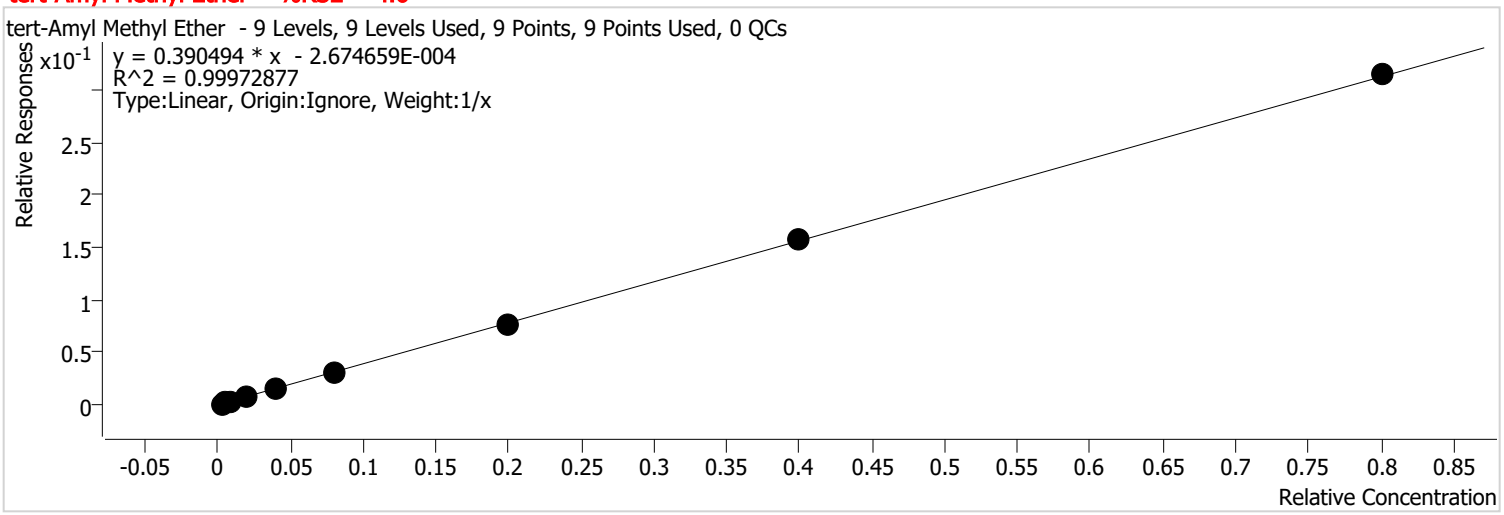
1,2-Dichloroethane %RSE = 16.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		563	0.0050	0.9846	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	638	0.0100	0.6086	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	1491	0.0500	0.2818	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	2497	0.1000	0.2300	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	4070	0.2000	0.1842	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	9834	0.5000	0.1800	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	17990	1.0000	0.1690	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	35744	2.0000	0.1650	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	86504	5.0000	0.1583	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	175345	10.0000	0.1588	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	356290	20.0000	0.1564	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Quant Batch Version	10.0	**Quant Report Version**	10.0

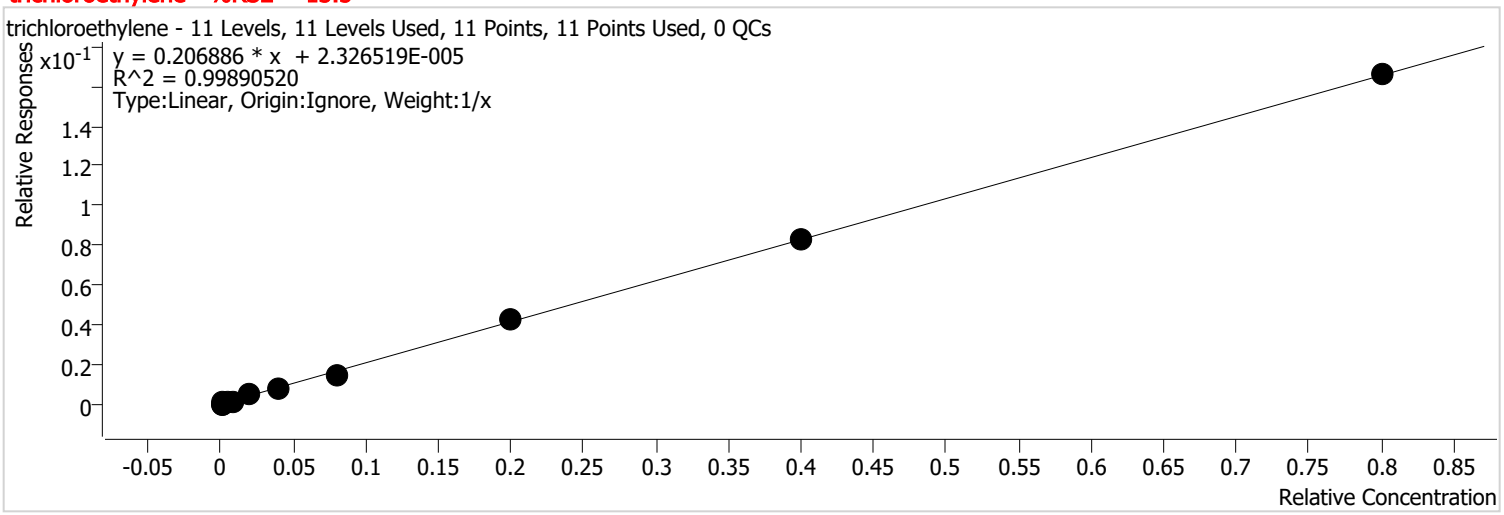
tert-Amyl Methyl Ether %RSE = 4.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	1464	0.0500	0.2766	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	3861	0.1000	0.3556	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	7492	0.2000	0.3390	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	20456	0.5000	0.3745	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	39215	1.0000	0.3683	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	81192	2.0000	0.3747	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	207219	5.0000	0.3793	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	435215	10.0000	0.3941	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	894211	20.0000	0.3925	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

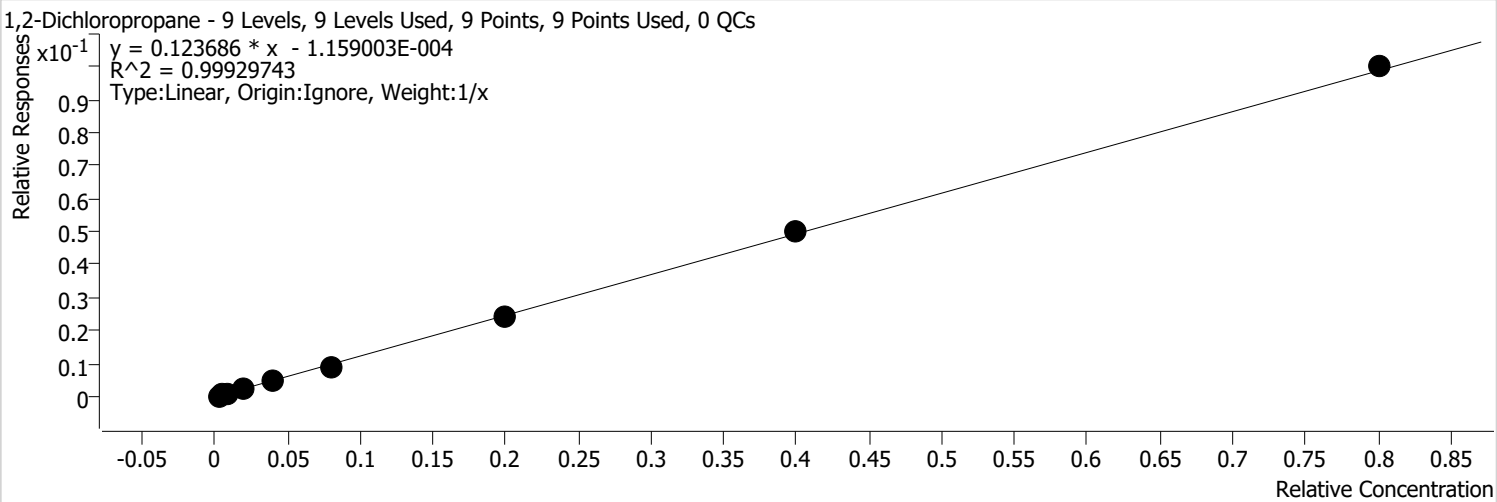
trichloroethylene %RSE = 13.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1	x	161	0.0050	0.2818	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	292	0.0100	0.2785	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	1484	0.0500	0.2804	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	2359	0.1000	0.2172	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	4246	0.2000	0.1921	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	11984	0.5000	0.2194	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	19805	1.0000	0.1860	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	40722	2.0000	0.1879	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	117034	5.0000	0.2142	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	229641	10.0000	0.2080	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	472286	20.0000	0.2073	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

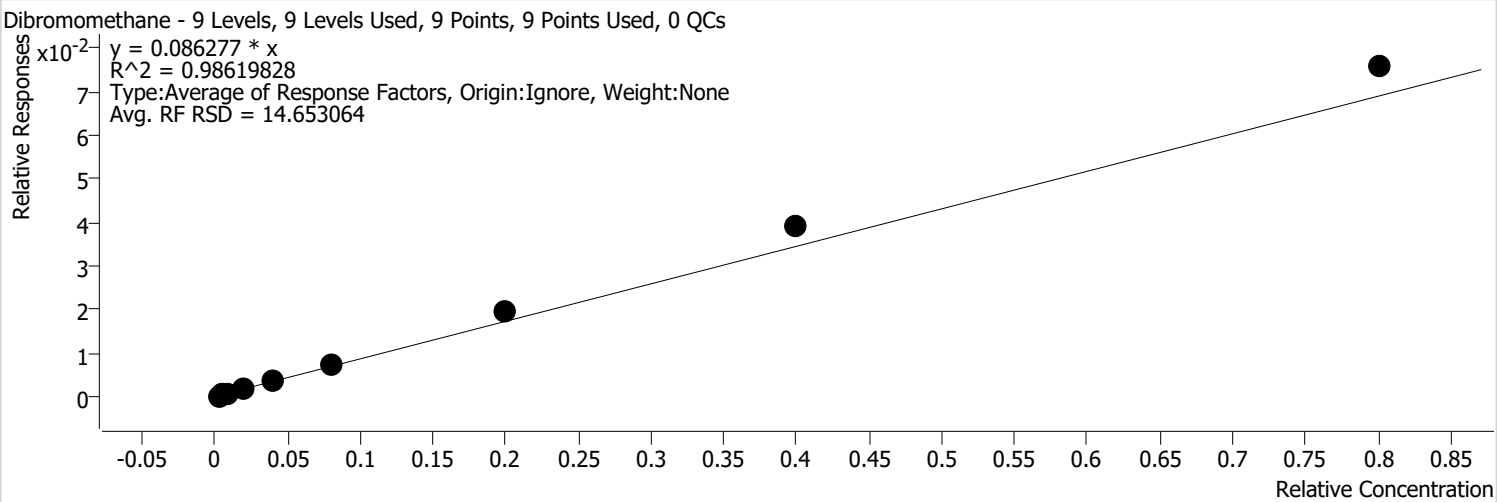
1,2-Dichloropropane %RSE = 8.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	448	0.0500	0.0846	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	917	0.1000	0.0845	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	2607	0.2000	0.1180	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	6342	0.5000	0.1161	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	12384	1.0000	0.1163	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	24287	2.0000	0.1121	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	65286	5.0000	0.1195	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	137519	10.0000	0.1245	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	284922	20.0000	0.1251	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

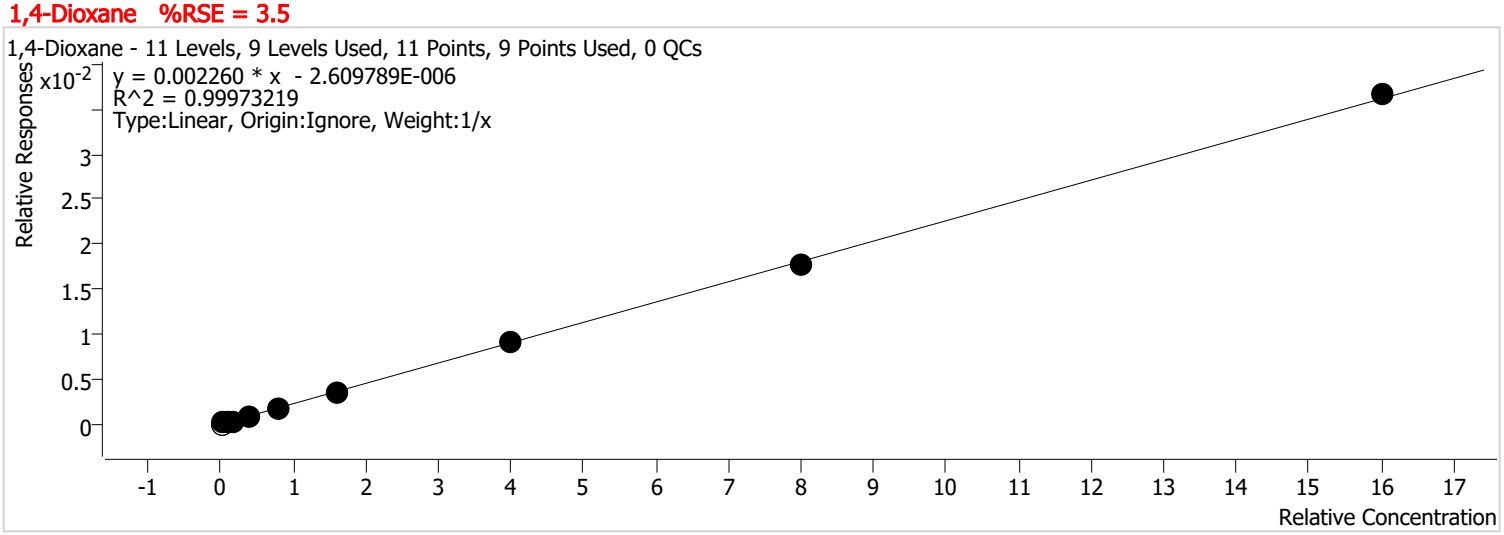
Dibromomethane %RSE = 14.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	329	0.0500	0.0621	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	832	0.1000	0.0767	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	1612	0.2000	0.0729	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	4849	0.5000	0.0888	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	9837	1.0000	0.0924	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	20388	2.0000	0.0941	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	52813	5.0000	0.0967	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	108357	10.0000	0.0981	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	215794	20.0000	0.0947	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
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Report Time	4/28/2025 12:22:17 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

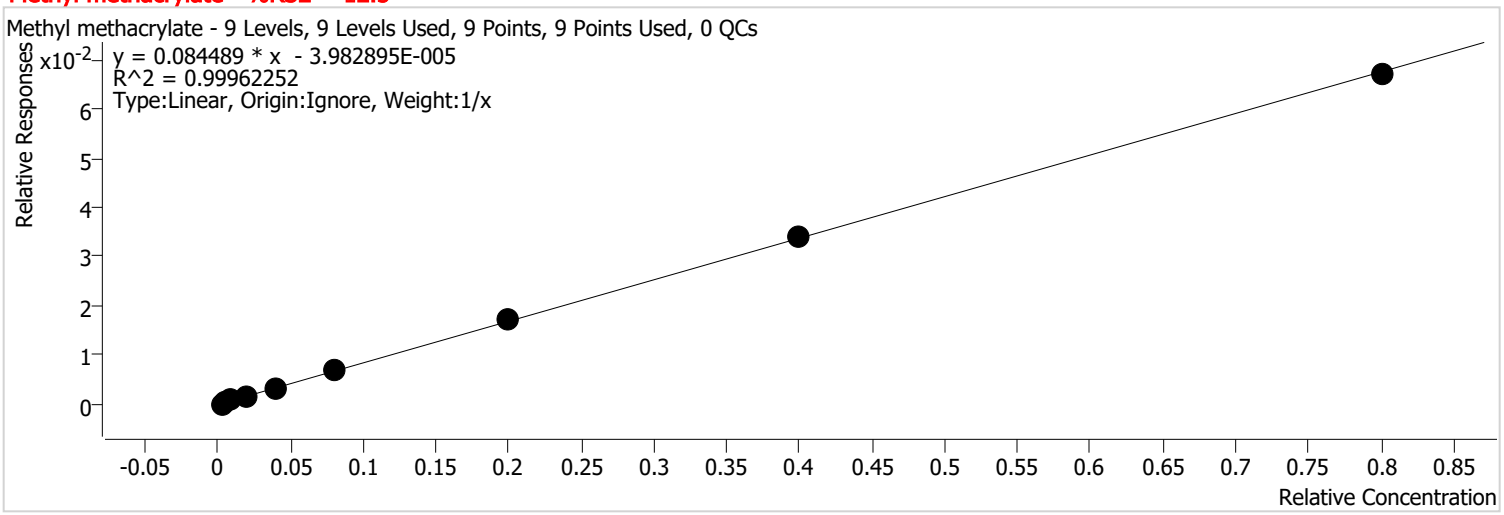
1,4-Dioxane %RSE = 3.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		71	0.1000	0.0062	
D:\GC-27\DATA\042425\042429.D	Calibration	2		79	0.2000	0.0038	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	240	1.0000	0.0023	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	510	2.0000	0.0023	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	961	4.0000	0.0022	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	2515	10.0000	0.0023	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	4665	20.0000	0.0022	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	9363	40.0000	0.0022	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	24567	100.0000	0.0022	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	49318	200.0000	0.0022	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	104224	400.0000	0.0023	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:17 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

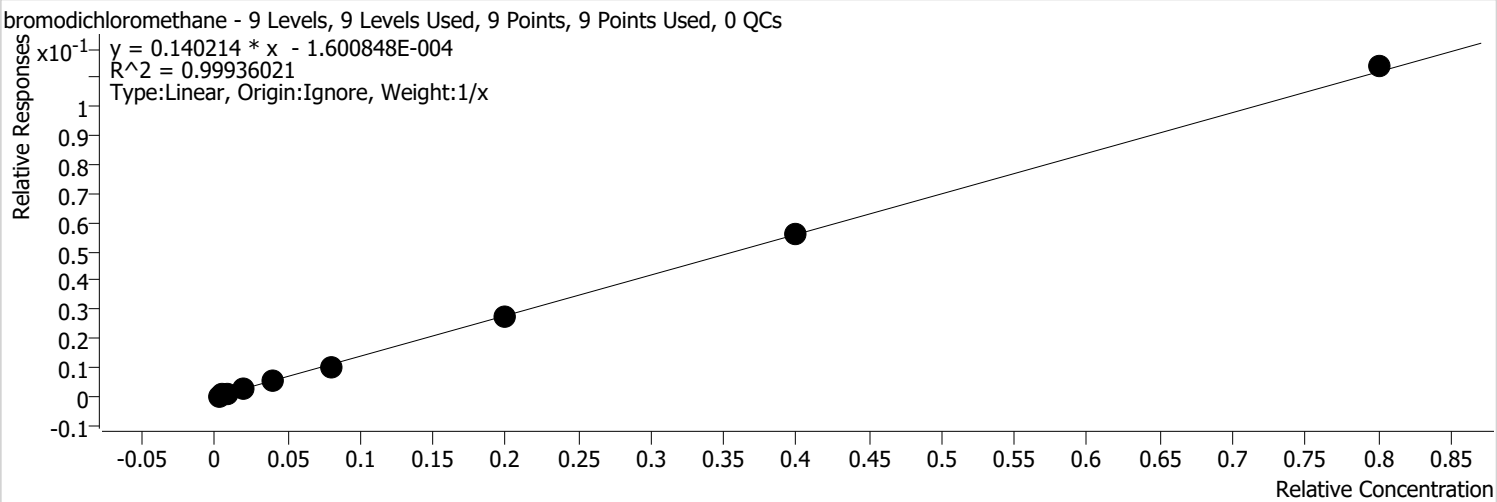
Methyl methacrylate %RSE = 12.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	216	0.0500	0.0408	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	837	0.1000	0.0770	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	2041	0.2000	0.0924	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	4836	0.5000	0.0885	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	9061	1.0000	0.0851	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	18282	2.0000	0.0844	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	46457	5.0000	0.0850	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	93663	10.0000	0.0848	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	190643	20.0000	0.0837	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:17 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

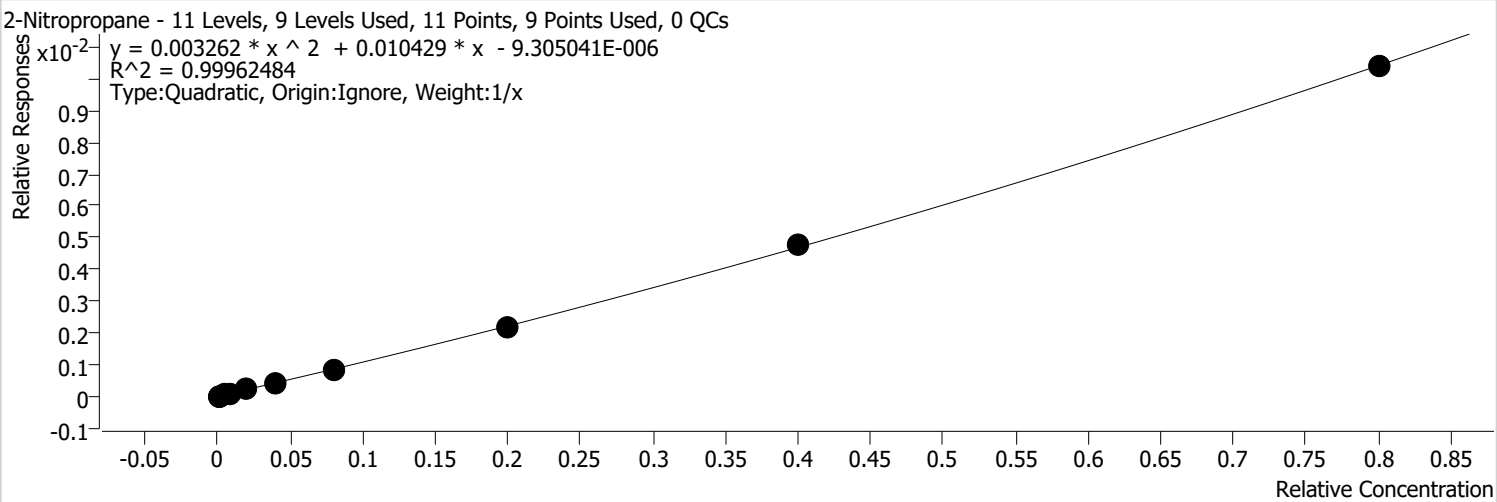
bromodichloromethane %RSE = 9.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	469	0.0500	0.0886	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1183	0.1000	0.1090	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	2472	0.2000	0.1119	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	6609	0.5000	0.1210	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	13488	1.0000	0.1267	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	28272	2.0000	0.1305	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	74826	5.0000	0.1370	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	154184	10.0000	0.1396	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	323985	20.0000	0.1422	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:17 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

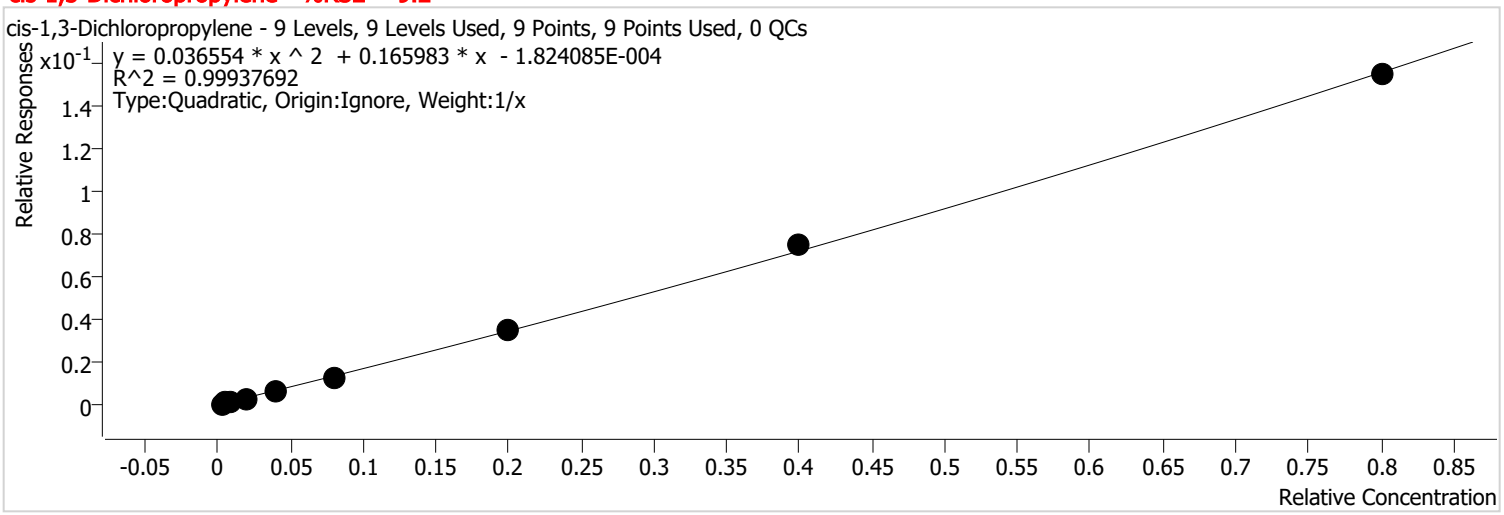
2-Nitropropane %RSE = 13.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		33	0.0050	0.0581	
D:\GC-27\DATA\042425\042429.D	Calibration	2		10	0.0100	0.0098	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	23	0.0500	0.0043	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	121	0.1000	0.0111	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	184	0.2000	0.0083	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	540	0.5000	0.0099	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	1065	1.0000	0.0100	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	2269	2.0000	0.0105	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	5933	5.0000	0.0109	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	13192	10.0000	0.0119	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	29572	20.0000	0.0130	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:17 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

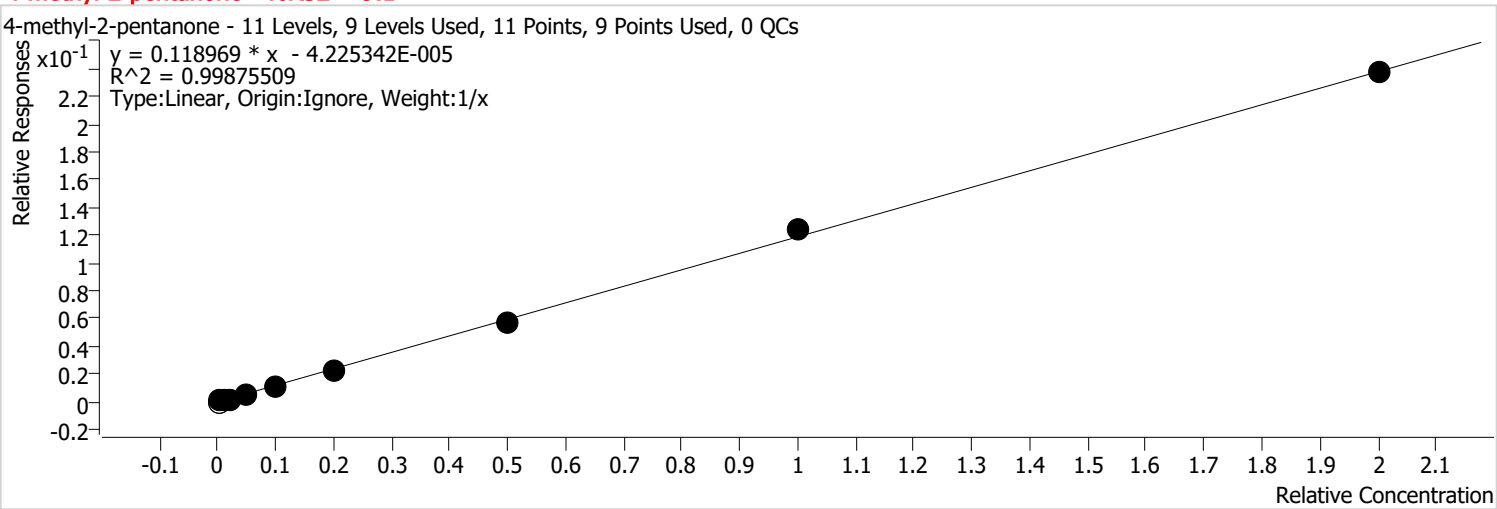
cis-1,3-Dichloropropylene %RSE = 9.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	547	0.0500	0.1034	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1417	0.1000	0.1305	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	2897	0.2000	0.1311	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	7906	0.5000	0.1447	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	16299	1.0000	0.1531	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	34362	2.0000	0.1586	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	94109	5.0000	0.1723	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	205667	10.0000	0.1863	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	441026	20.0000	0.1936	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

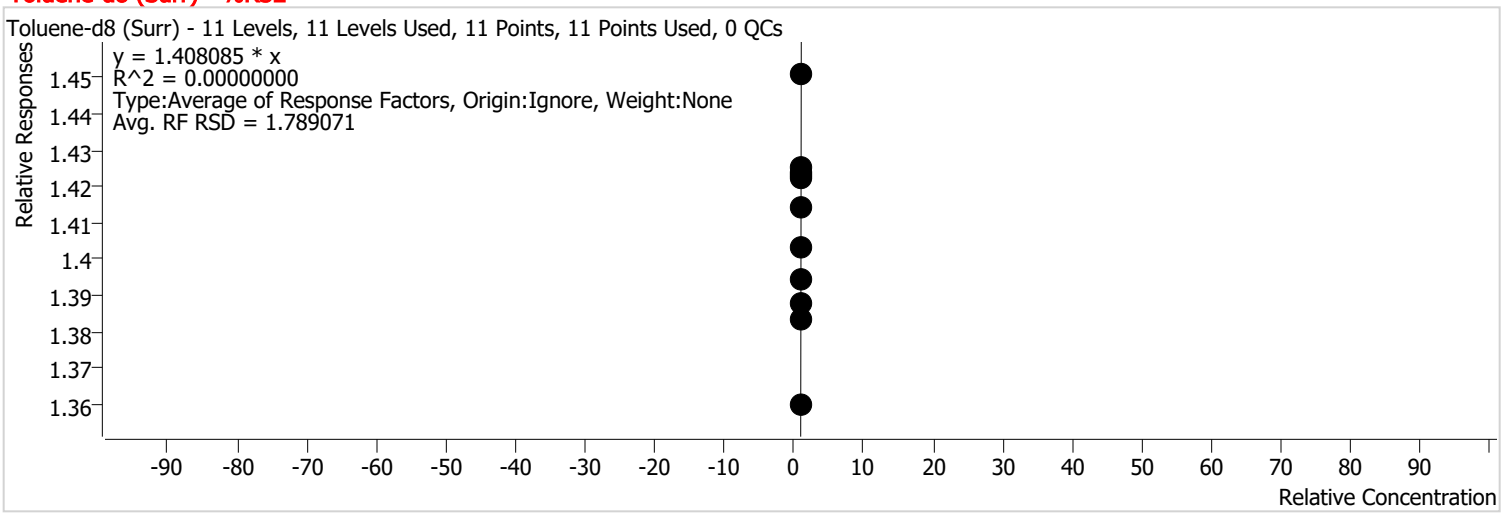
4-methyl-2-pentanone %RSE = 9.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		0	0.0125	0.0000	
D:\GC-27\DATA\042425\042429.D	Calibration	2		0	0.0250	0.0000	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	1767	0.1250	0.1335	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	3143	0.2500	0.1158	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	6027	0.5000	0.1091	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	16283	1.2500	0.1192	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	28449	2.5000	0.1069	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	60853	5.0000	0.1123	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	156477	12.5000	0.1146	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	343286	25.0000	0.1244	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	675040	50.0000	0.1185	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Quant Batch Version	10.0	**Quant Report Version**	10.0

Toluene-d8 (Surr) %RSE =

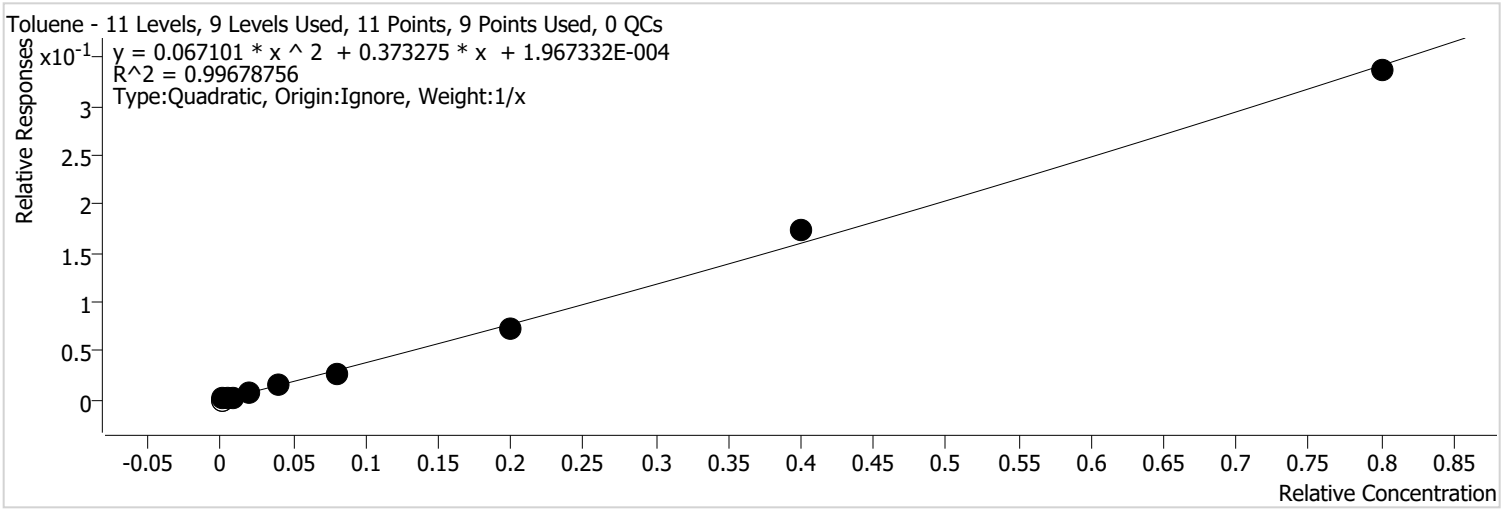


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1	x	4068686	25.0000	1.4234	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	3873396	25.0000	1.3602	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	3819288	25.0000	1.3835	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	3809040	25.0000	1.3945	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	3799772	25.0000	1.4030	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	3764029	25.0000	1.4140	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	3889765	25.0000	1.4242	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	3834859	25.0000	1.3881	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	3860180	25.0000	1.4220	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	3771759	25.0000	1.4253	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	3802557	25.0000	1.4508	

Calibration Report

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:17 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

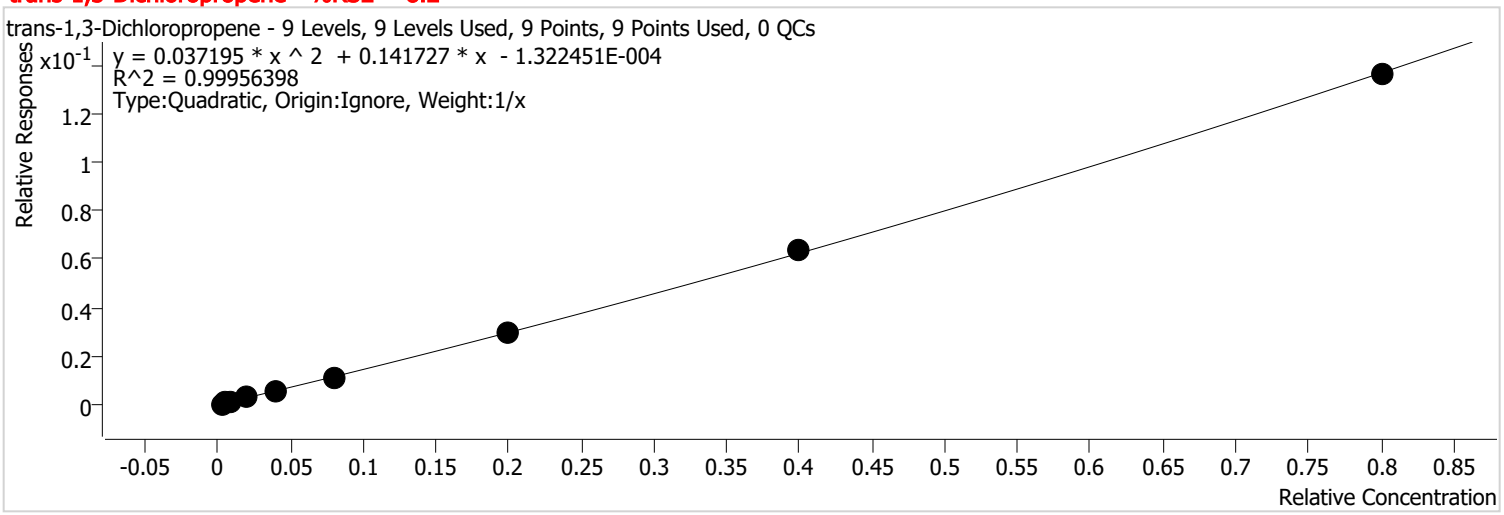
Toluene %RSE = 8.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		1076	0.0050	1.8821	
D:\GC-27\DATA\042425\042429.D	Calibration	2		1162	0.0100	1.1083	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	2761	0.0500	0.5217	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	4502	0.1000	0.4146	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	9078	0.2000	0.4107	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	20664	0.5000	0.3783	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	38976	1.0000	0.3660	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	75096	2.0000	0.3466	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	196832	5.0000	0.3603	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	481624	10.0000	0.4362	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	957740	20.0000	0.4204	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

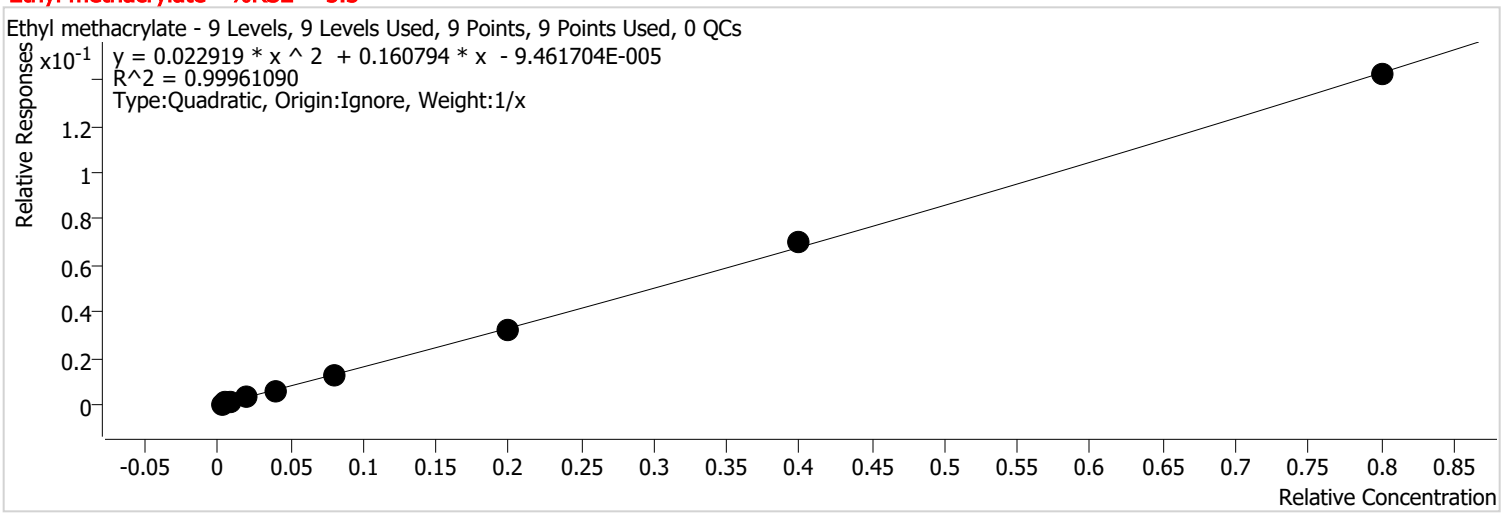
trans-1,3-Dichloropropene %RSE = 8.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	507	0.0500	0.0959	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1282	0.1000	0.1180	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	2481	0.2000	0.1122	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	7145	0.5000	0.1308	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	13981	1.0000	0.1313	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	29724	2.0000	0.1372	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	81166	5.0000	0.1486	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	177343	10.0000	0.1606	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	387999	20.0000	0.1703	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:17 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

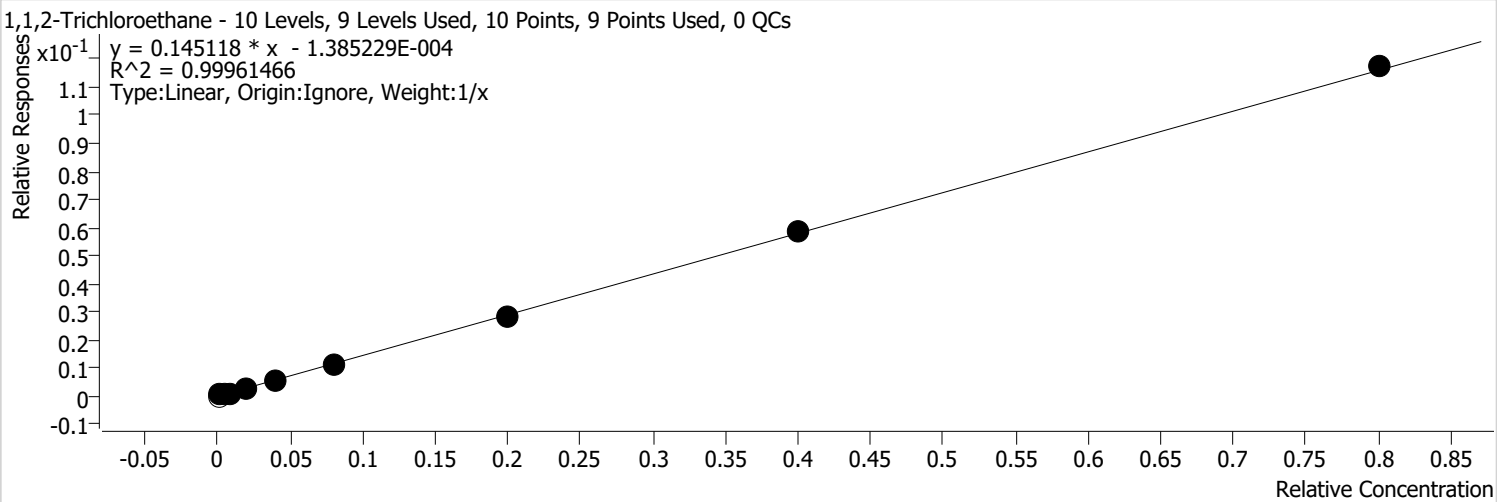
Ethyl methacrylate %RSE = 5.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	695	0.0500	0.1312	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1464	0.1000	0.1348	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	3163	0.2000	0.1431	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	8573	0.5000	0.1569	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	16413	1.0000	0.1541	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	33688	2.0000	0.1555	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	88722	5.0000	0.1624	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	193029	10.0000	0.1748	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	405436	20.0000	0.1780	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:17 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

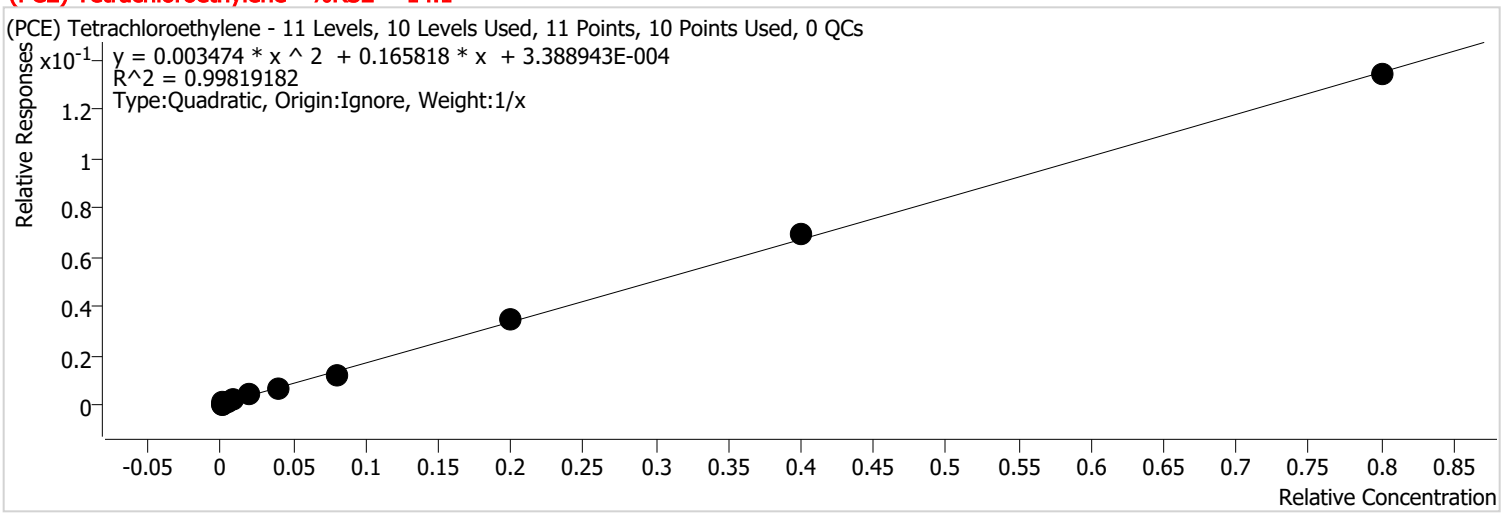
1,1,2-Trichloroethane %RSE = 4.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		0	0.0050	0.0000	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	450	0.0500	0.0850	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1296	0.1000	0.1193	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	2749	0.2000	0.1244	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	7520	0.5000	0.1377	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	14524	1.0000	0.1364	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	29628	2.0000	0.1367	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	76367	5.0000	0.1398	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	160815	10.0000	0.1456	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	333924	20.0000	0.1466	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:17 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

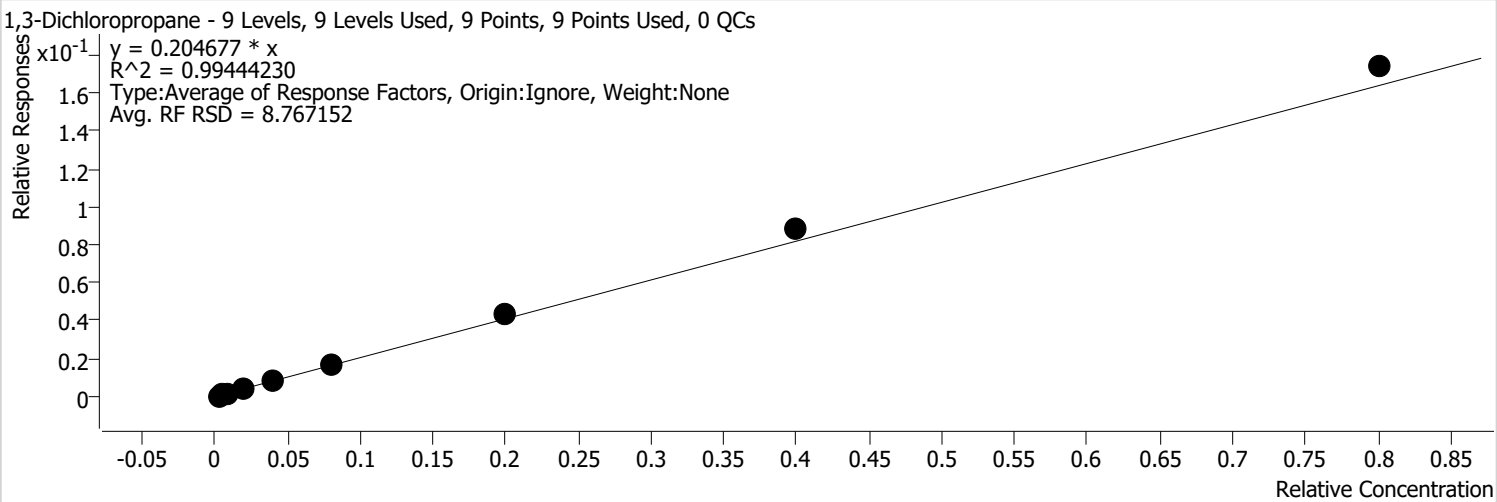
(PCE) Tetrachloroethylene %RSE = 14.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		1007	0.0050	1.7620	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	1037	0.0100	0.9894	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	2017	0.0500	0.3811	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	2682	0.1000	0.2470	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	4519	0.2000	0.2045	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	10865	0.5000	0.1989	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	16374	1.0000	0.1538	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	32517	2.0000	0.1501	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	95642	5.0000	0.1751	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	190329	10.0000	0.1724	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	382175	20.0000	0.1678	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:17 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

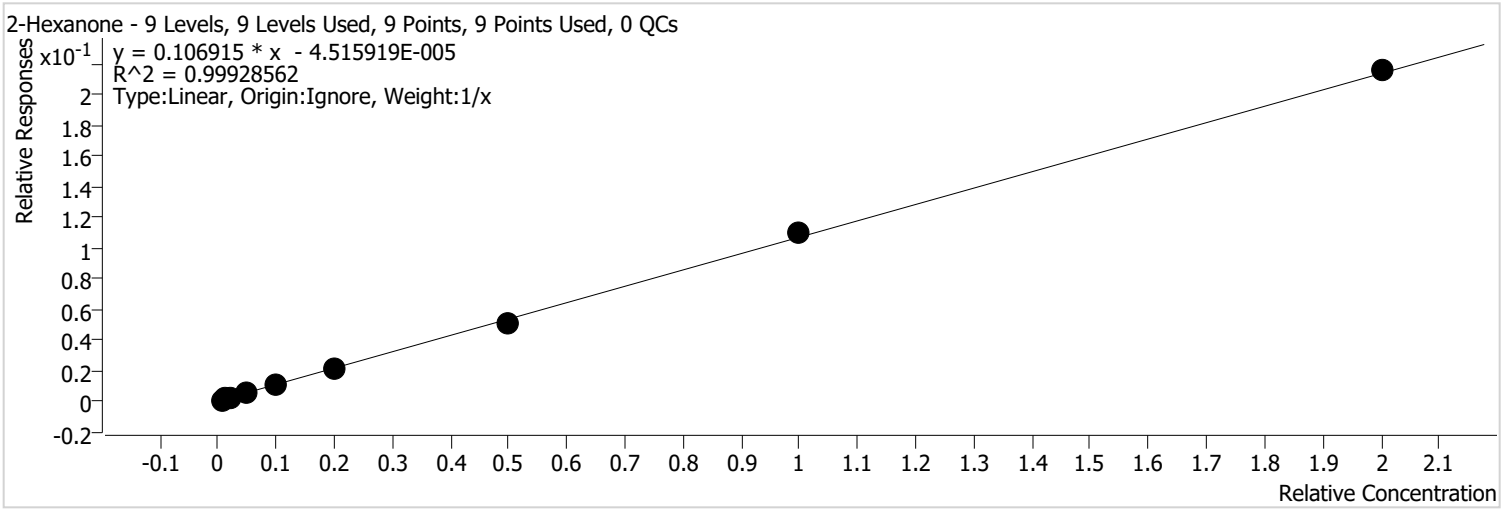
1,3-Dichloropropane %RSE = 8.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	877	0.0500	0.1657	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	2116	0.1000	0.1949	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	4252	0.2000	0.1924	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	11956	0.5000	0.2189	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	21993	1.0000	0.2065	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	45086	2.0000	0.2081	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	118226	5.0000	0.2164	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	245210	10.0000	0.2221	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	494686	20.0000	0.2171	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:17 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

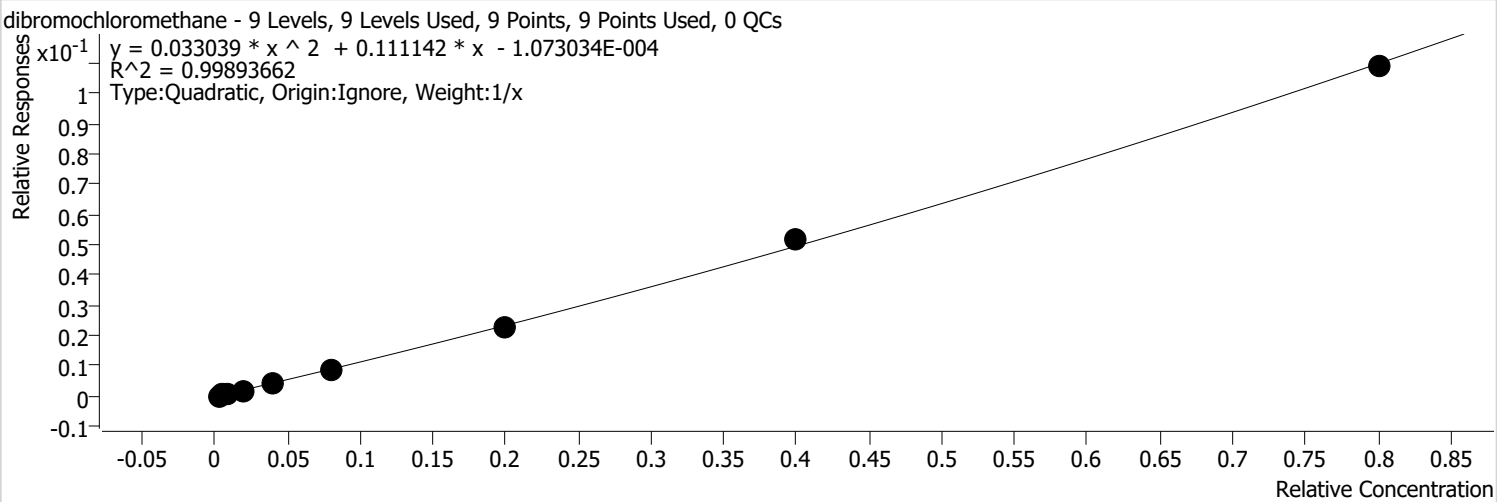
2-Hexanone %RSE = 10.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	1648	0.1250	0.1245	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	2668	0.2500	0.0983	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	5565	0.5000	0.1007	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	13623	1.2500	0.0998	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	26470	2.5000	0.0994	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	55524	5.0000	0.1025	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	140072	12.5000	0.1026	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	301235	25.0000	0.1091	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	613678	50.0000	0.1078	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:17 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

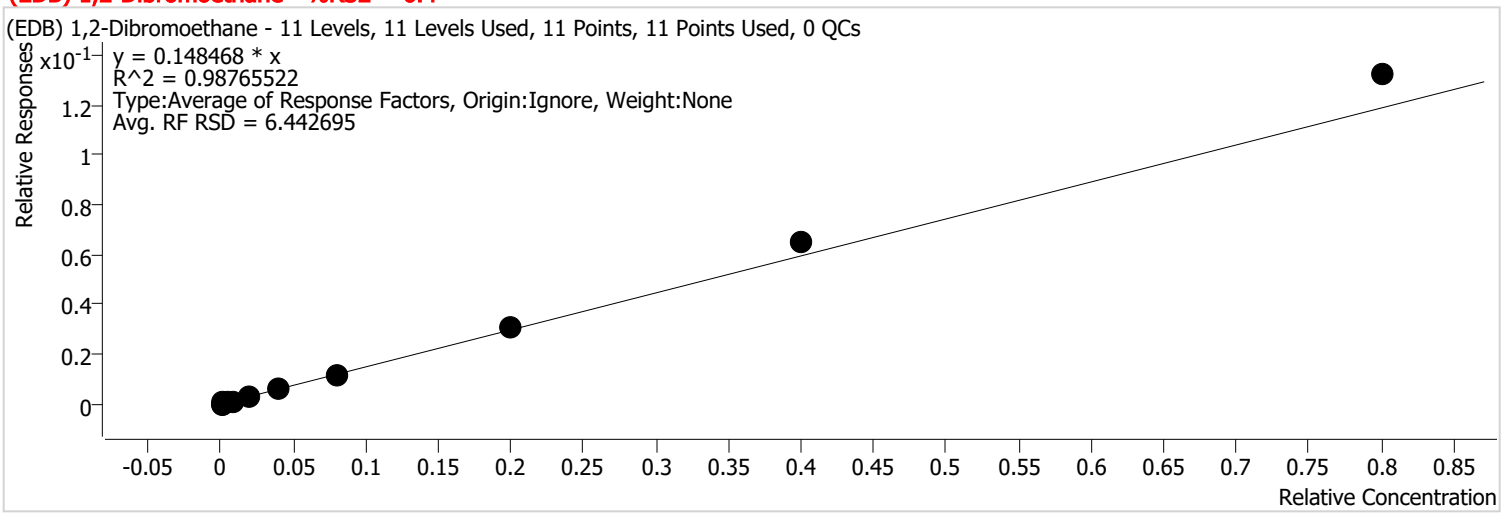
dibromochloromethane %RSE = 10.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	397	0.0500	0.0750	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1068	0.1000	0.0984	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	1869	0.2000	0.0846	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	5449	0.5000	0.0998	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	10823	1.0000	0.1016	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	23181	2.0000	0.1070	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	62639	5.0000	0.1147	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	143819	10.0000	0.1302	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	310141	20.0000	0.1361	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

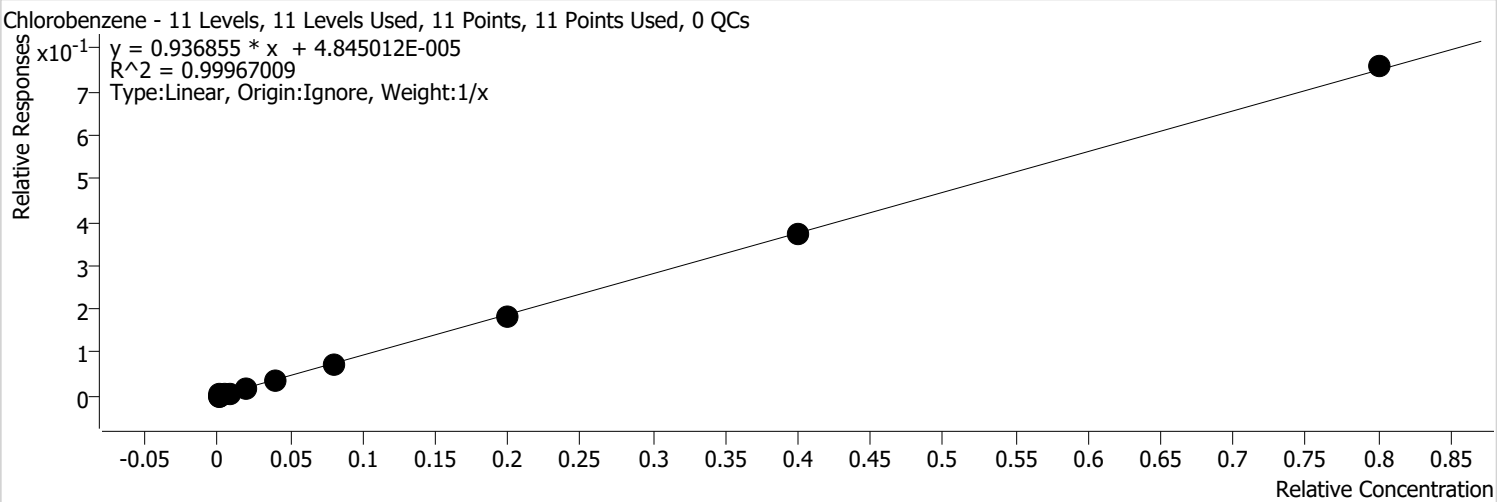
(EDB) 1,2-Dibromoethane %RSE = 6.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1	x	89	0.0050	0.1554	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	156	0.0100	0.1490	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	748	0.0500	0.1414	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1505	0.1000	0.1386	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	3013	0.2000	0.1363	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	7772	0.5000	0.1423	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	15224	1.0000	0.1430	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	31744	2.0000	0.1465	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	83391	5.0000	0.1526	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	179761	10.0000	0.1628	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	376188	20.0000	0.1651	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

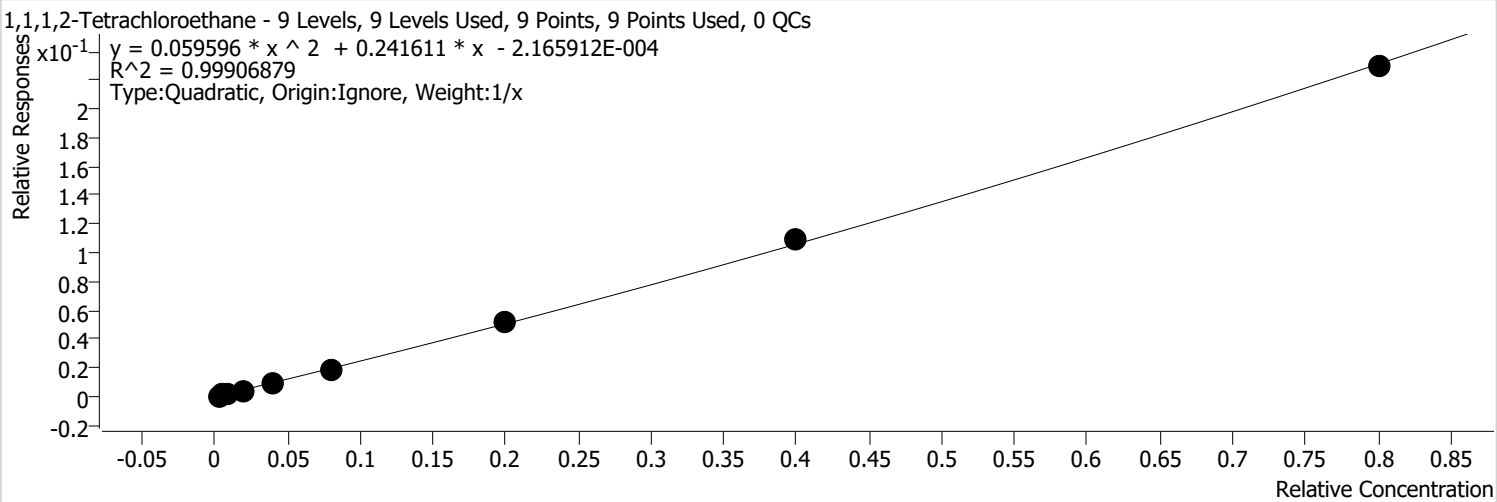
Chlorobenzene %RSE = 7.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1	x	350	0.0050	1.1993	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	615	0.0100	1.1180	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	2995	0.0500	1.1139	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	4697	0.1000	0.8466	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	9967	0.2000	0.9110	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	25626	0.5000	0.9225	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	49679	1.0000	0.9068	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	97460	2.0000	0.8880	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	253406	5.0000	0.9243	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	524420	10.0000	0.9390	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	1069513	20.0000	0.9465	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

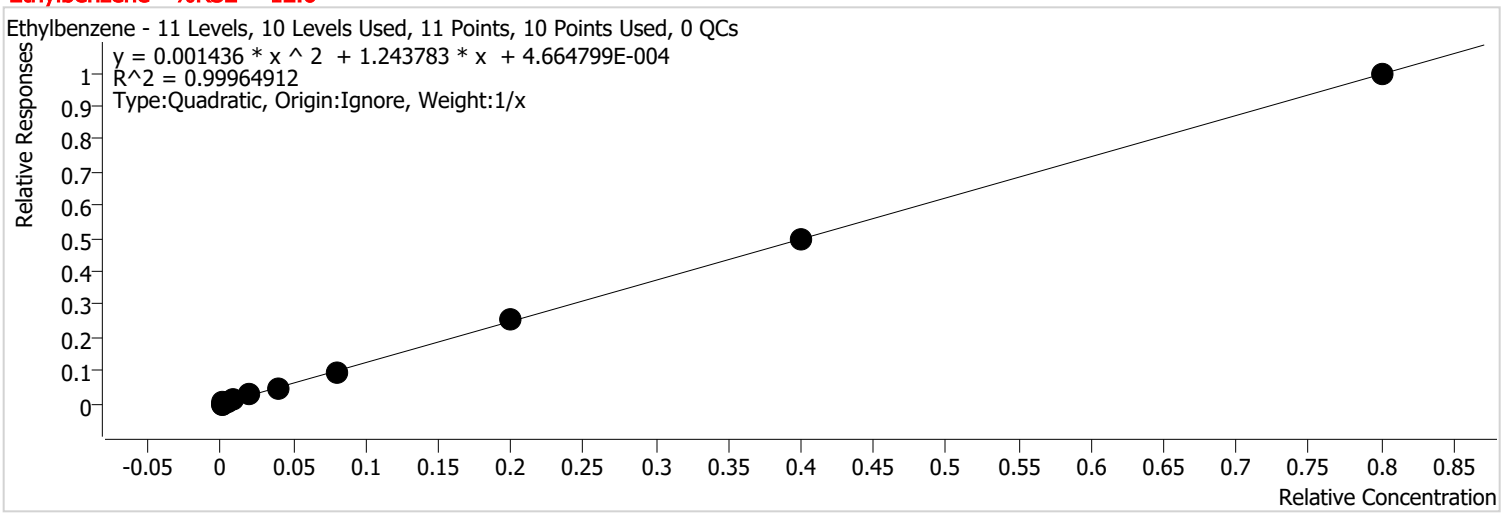
1,1,1,2-Tetrachloroethane %RSE = 9.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	472	0.0500	0.1755	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1025	0.1000	0.1847	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	2506	0.2000	0.2290	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	5819	0.5000	0.2095	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	11698	1.0000	0.2135	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	25074	2.0000	0.2285	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	69767	5.0000	0.2545	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	153533	10.0000	0.2749	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	323885	20.0000	0.2866	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:18 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

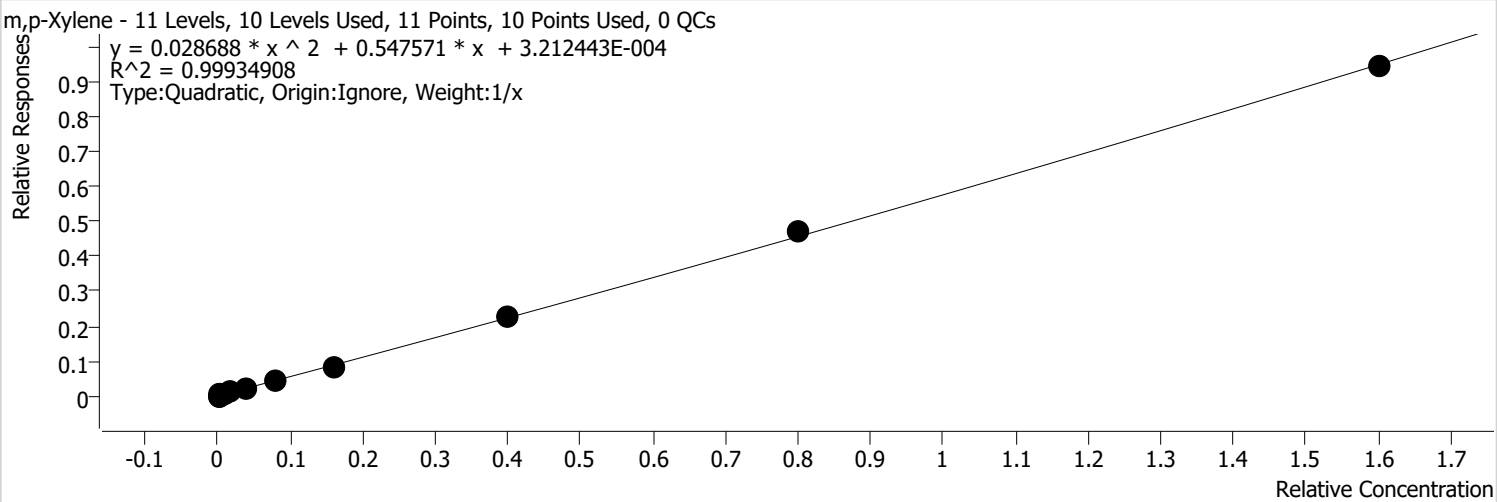
Ethylbenzene %RSE = 12.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		535	0.0050	1.8341	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	1199	0.0100	2.1793	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	4848	0.0500	1.8028	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	7381	0.1000	1.3303	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	14025	0.2000	1.2818	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	36444	0.5000	1.3119	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	64868	1.0000	1.1841	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	131925	2.0000	1.2020	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	349263	5.0000	1.2739	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	698057	10.0000	1.2499	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	1404990	20.0000	1.2433	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:18 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

m,p-Xylene %RSE = 12.4

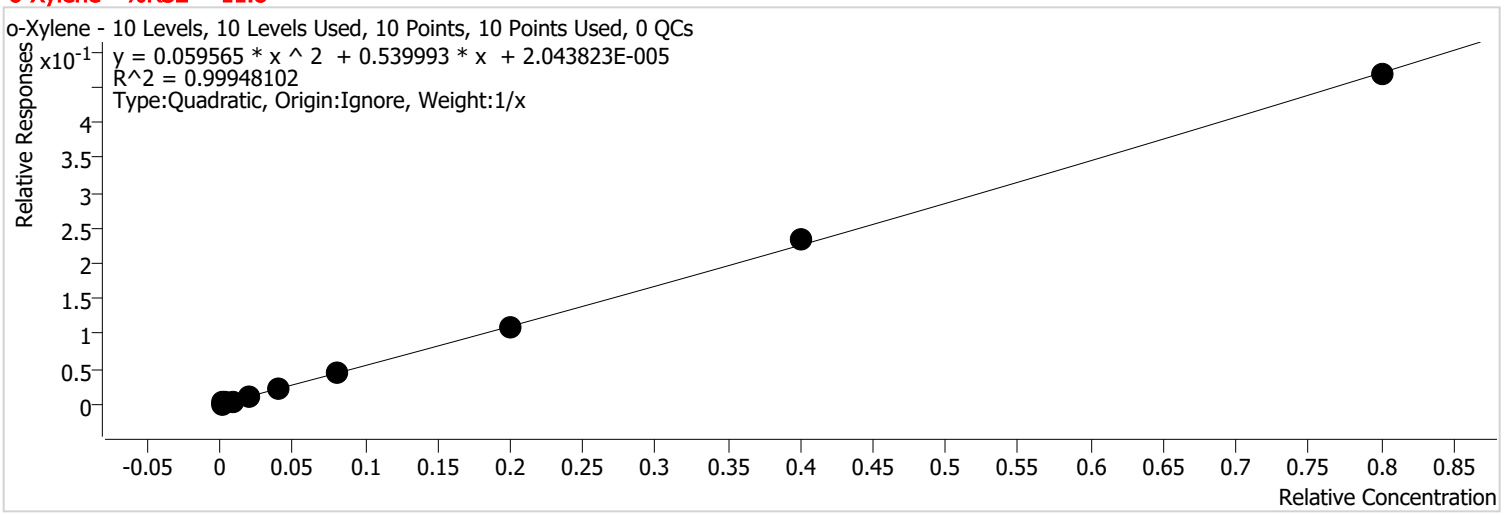


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		532	0.0100	0.9120	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	970	0.0200	0.8812	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	4181	0.1000	0.7774	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	6129	0.2000	0.5523	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	12942	0.4000	0.5914	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	30503	1.0000	0.5490	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	55428	2.0000	0.5059	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	115120	4.0000	0.5244	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	309416	10.0000	0.5643	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	655226	20.0000	0.5866	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	1333189	40.0000	0.5899	

Calibration Report

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

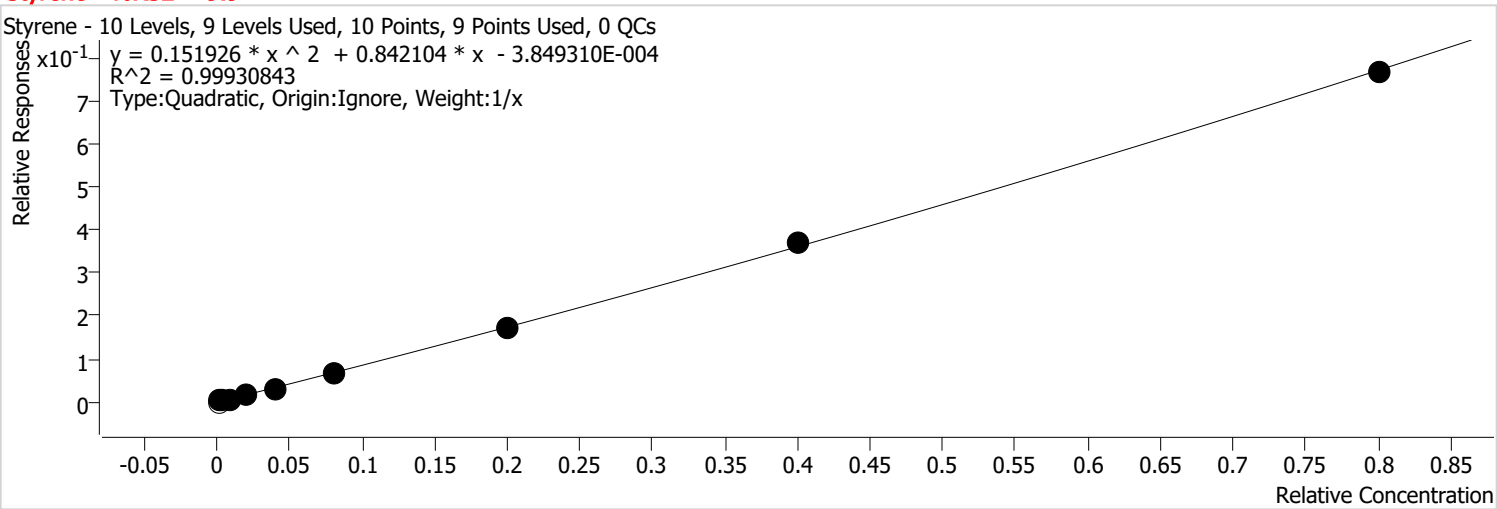
o-Xylene %RSE = 11.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	365	0.0100	0.6627	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	1738	0.0500	0.6463	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	2414	0.1000	0.4351	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	5930	0.2000	0.5420	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	14485	0.5000	0.5214	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	27593	1.0000	0.5037	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	59498	2.0000	0.5421	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	149726	5.0000	0.5461	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	323899	10.0000	0.5800	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	660113	20.0000	0.5842	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

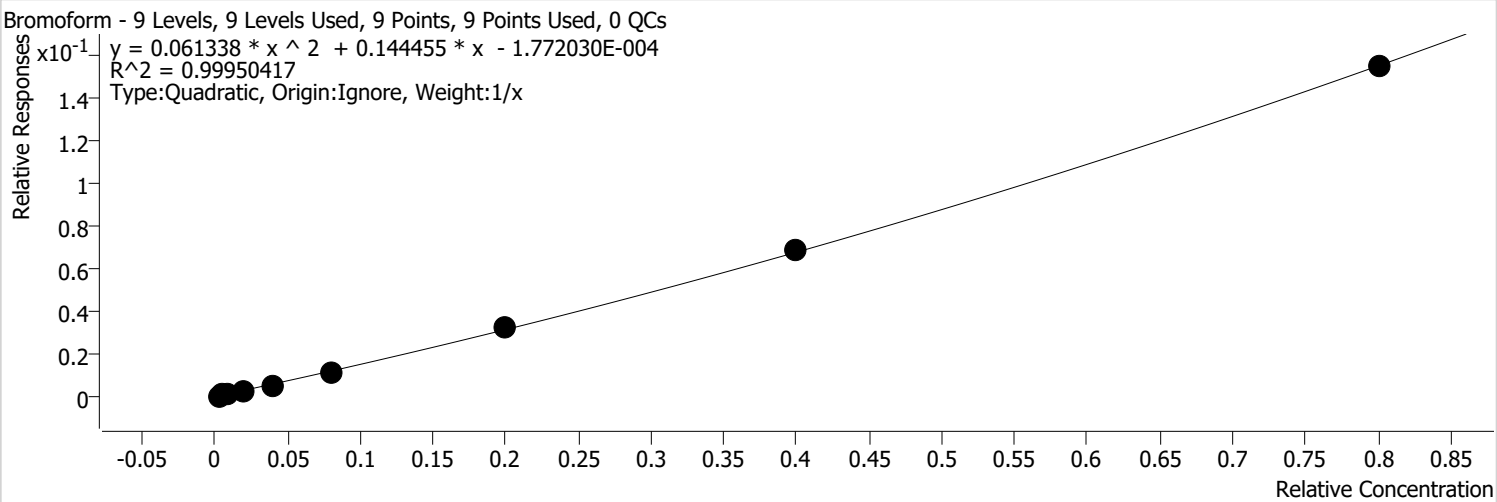
Styrene %RSE = 9.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042429.D	Calibration	2		418	0.0100	0.7599	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	2228	0.0500	0.8286	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	4034	0.1000	0.7270	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	8354	0.2000	0.7635	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	21799	0.5000	0.7847	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	42217	1.0000	0.7706	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	88338	2.0000	0.8049	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	239354	5.0000	0.8730	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	521017	10.0000	0.9329	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	1080195	20.0000	0.9559	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

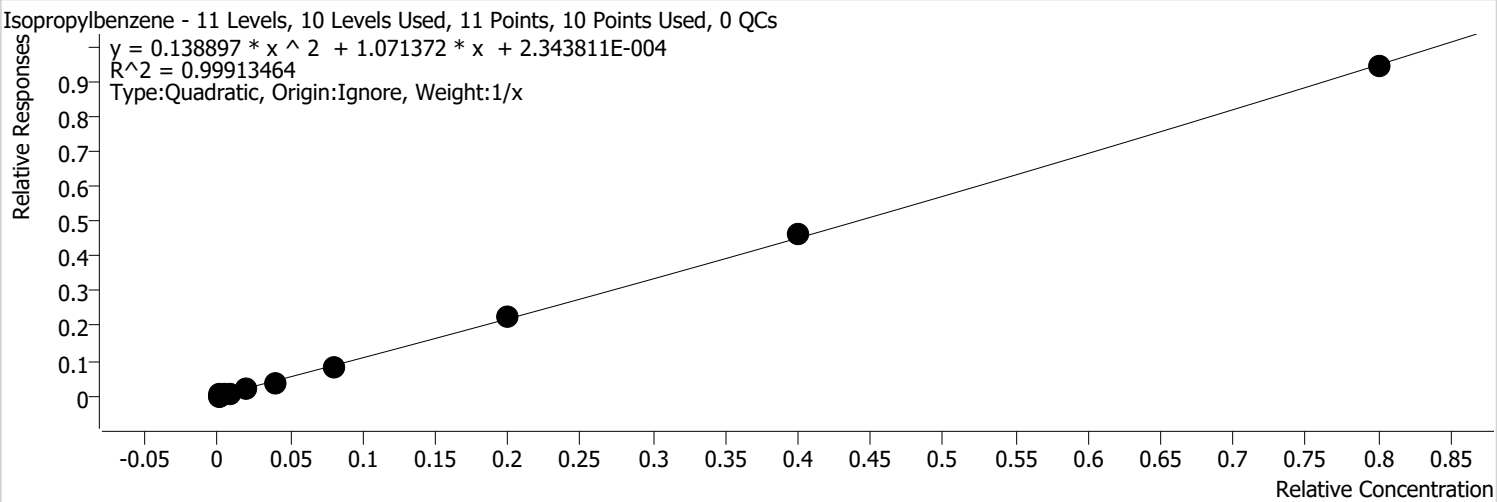
Bromoform %RSE = 10.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	212	0.0500	0.0787	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	625	0.1000	0.1126	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	1132	0.2000	0.1035	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	3784	0.5000	0.1362	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	6964	1.0000	0.1271	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	15513	2.0000	0.1413	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	44230	5.0000	0.1613	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	94828	10.0000	0.1698	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	217809	20.0000	0.1927	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:18 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

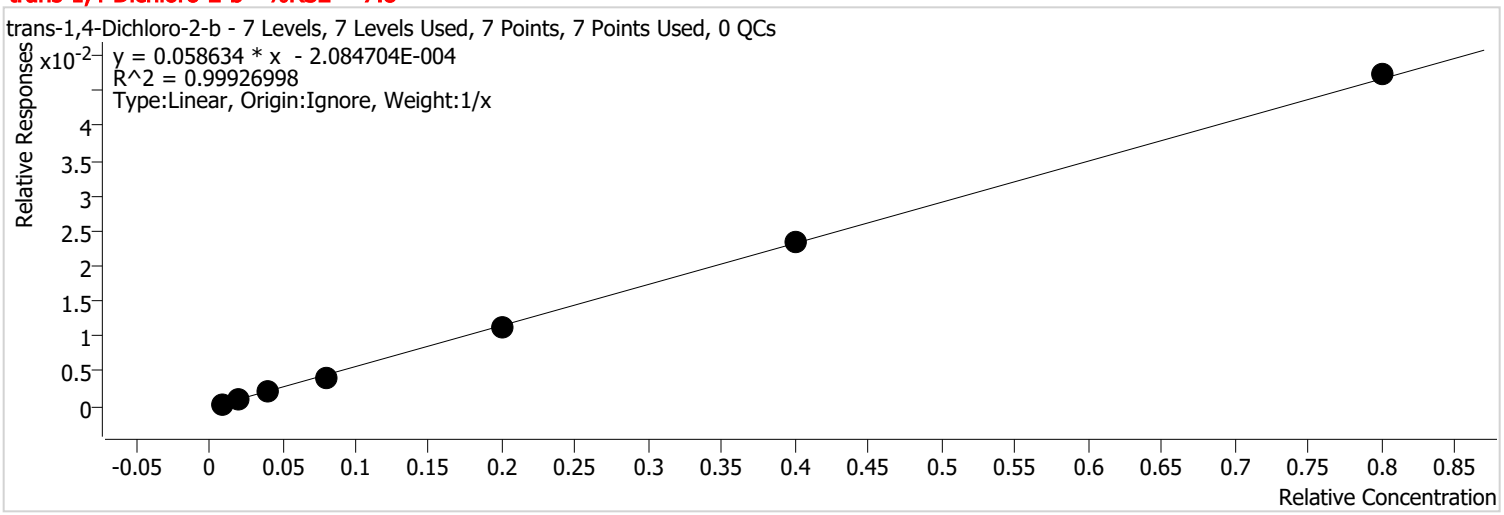
Isopropylbenzene %RSE = 13.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		199	0.0050	0.6826	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	850	0.0100	1.5457	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	4068	0.0500	1.5126	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	6018	0.1000	1.0846	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	11631	0.2000	1.0631	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	30521	0.5000	1.0987	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	53447	1.0000	0.9756	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	109926	2.0000	1.0015	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	311213	5.0000	1.1351	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	642353	10.0000	1.1502	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	1328959	20.0000	1.1760	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

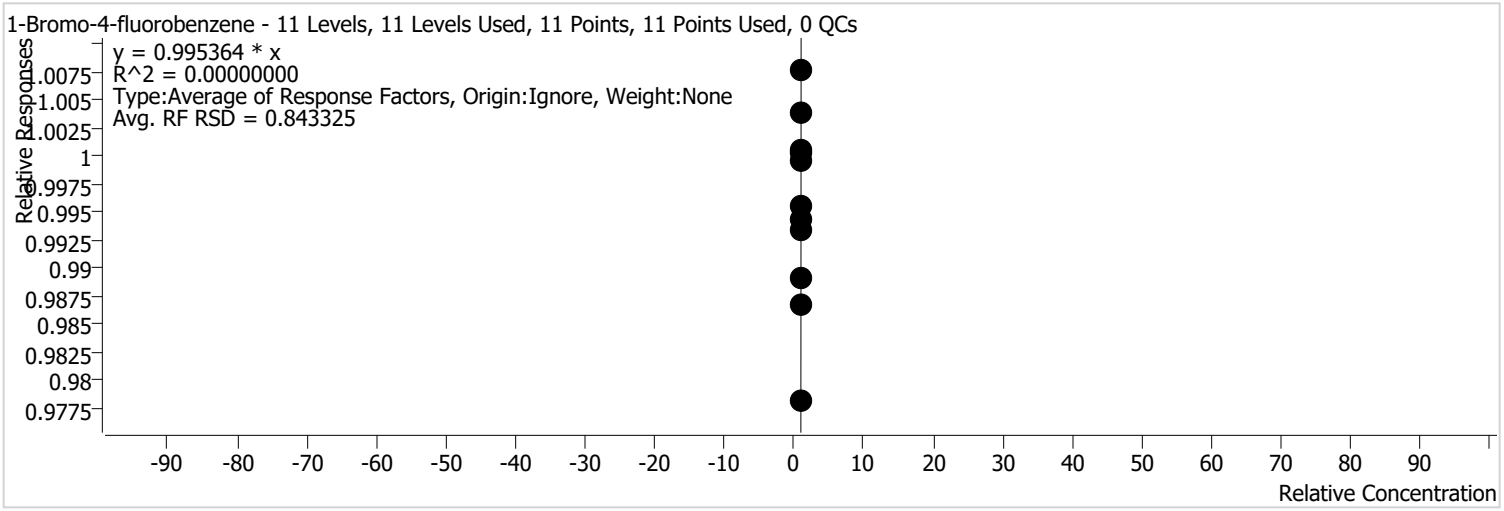
trans-1,4-Dichloro-2-b %RSE = 7.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	453	0.2000	0.0414	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	1280	0.5000	0.0461	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	2807	1.0000	0.0512	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	5757	2.0000	0.0525	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	15213	5.0000	0.0555	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	32689	10.0000	0.0585	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	66809	20.0000	0.0591	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

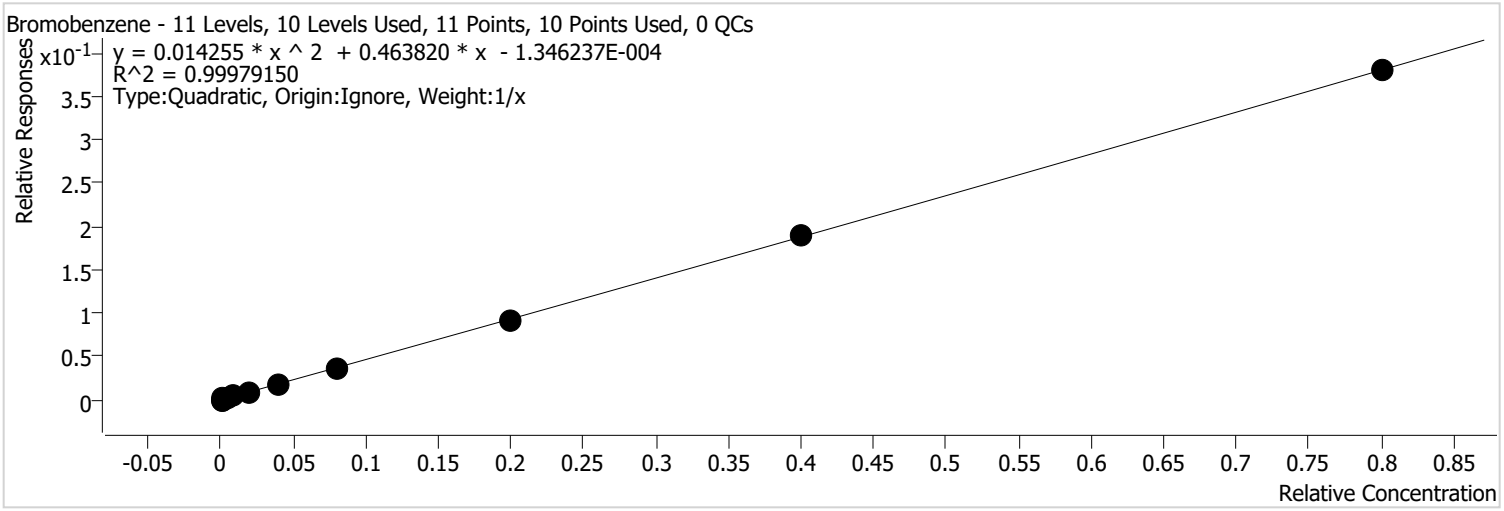
1-Bromo-4-fluorobenzene %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1	x	1443319	25.0000	0.9892	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	1406145	25.0000	0.9955	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	1388413	25.0000	0.9944	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	1376044	25.0000	1.0038	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	1372662	25.0000	1.0005	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	1339725	25.0000	0.9782	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	1399550	25.0000	1.0076	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	1368034	25.0000	1.0003	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1377856	25.0000	0.9933	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	1326578	25.0000	0.9866	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	1374950	25.0000	0.9996	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

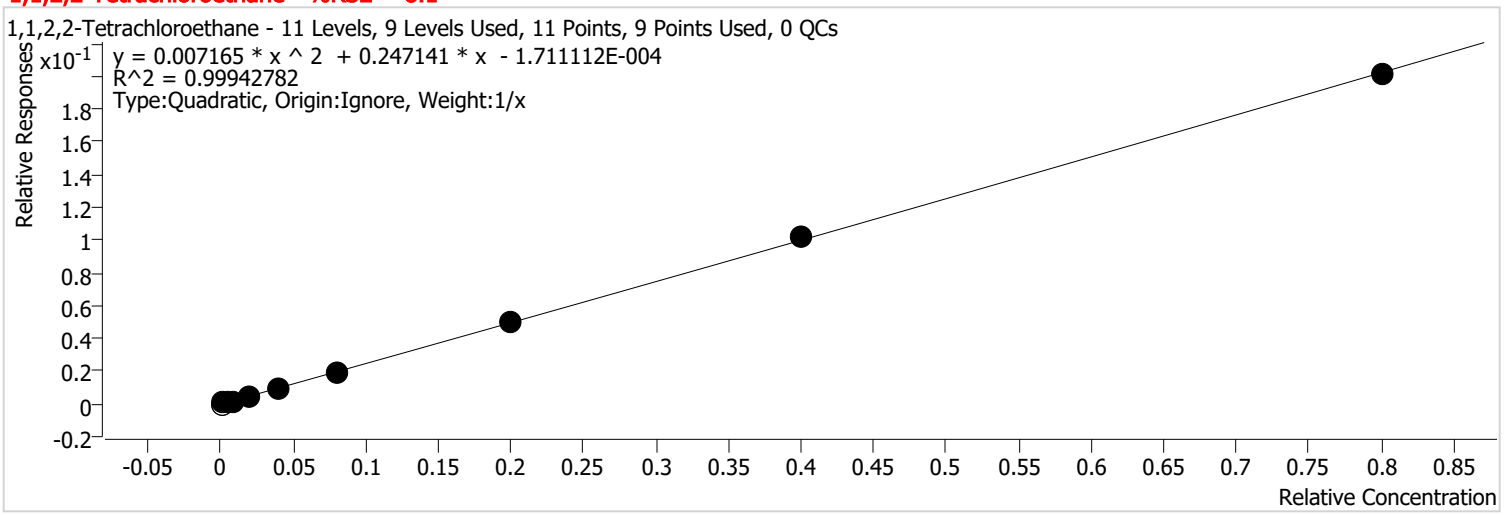
Bromobenzene %RSE = 10.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		0	0.0050	0.0000	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	0	0.0100	0.0000	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	1382	0.0500	0.5140	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	2378	0.1000	0.4286	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	5168	0.2000	0.4724	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	12818	0.5000	0.4614	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	24412	1.0000	0.4456	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	50750	2.0000	0.4624	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	126034	5.0000	0.4597	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	265214	10.0000	0.4749	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	535707	20.0000	0.4741	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

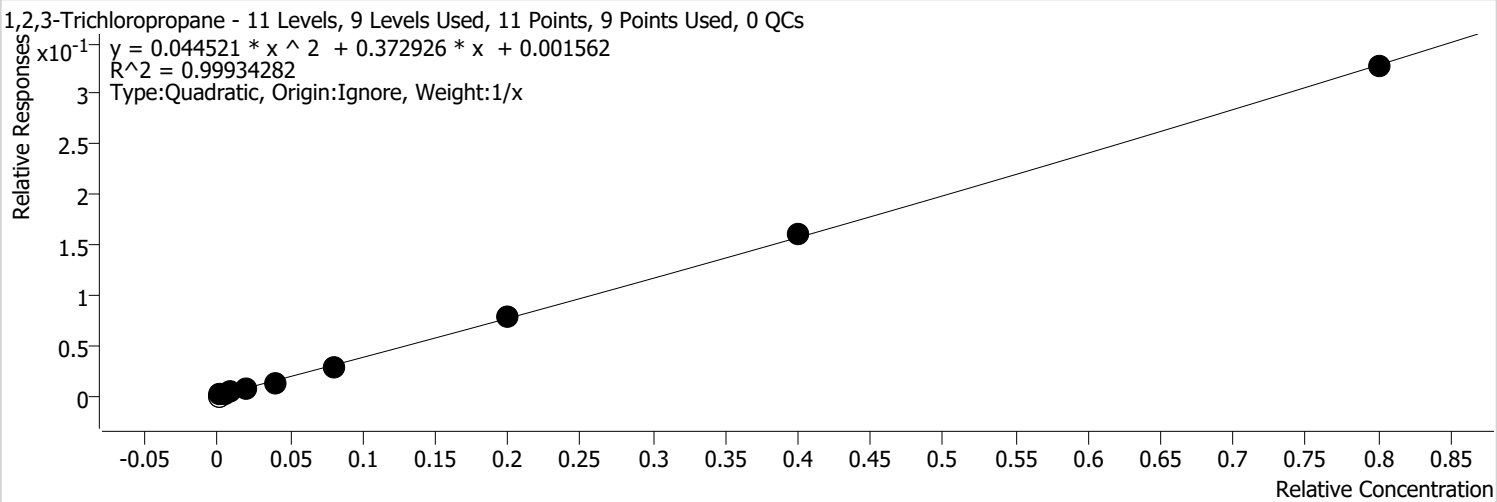
1,1,2,2-Tetrachloroethane %RSE = 8.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		102	0.0050	0.3495	
D:\GC-27\DATA\042425\042429.D	Calibration	2		135	0.0100	0.2454	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	542	0.0500	0.2015	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1157	0.1000	0.2085	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	2373	0.2000	0.2169	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	6277	0.5000	0.2260	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	12295	1.0000	0.2244	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	25661	2.0000	0.2338	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	68826	5.0000	0.2510	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	142975	10.0000	0.2560	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	283656	20.0000	0.2510	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
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Quant Batch Version	10.0	**Quant Report Version**	10.0

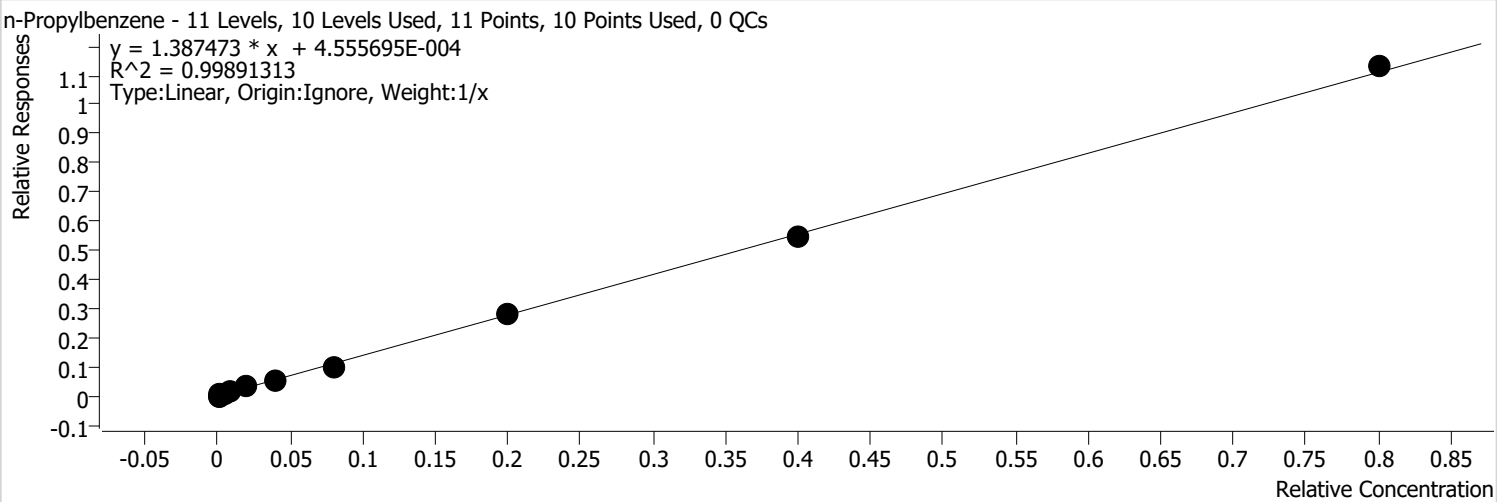
1,2,3-Trichloropropane %RSE = 9.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		2199	0.0050	7.5352	
D:\GC-27\DATA\042425\042429.D	Calibration	2		1847	0.0100	3.3567	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	3038	0.0500	1.1297	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	4593	0.1000	0.8277	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	6281	0.2000	0.5741	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	12628	0.5000	0.4546	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	20320	1.0000	0.3709	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	41534	2.0000	0.3784	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	108721	5.0000	0.3965	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	224748	10.0000	0.4024	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	461497	20.0000	0.4084	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Quant Batch Version	10.0	**Quant Report Version**	10.0

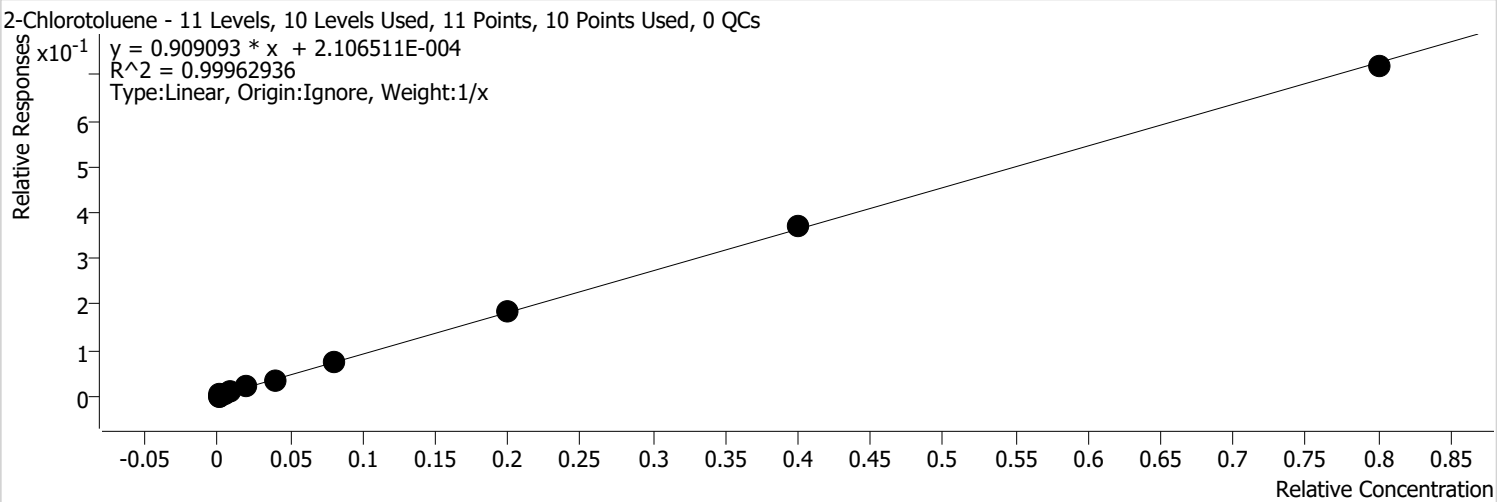
n-Propylbenzene %RSE = 9.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		750	0.0050	2.5701	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	1355	0.0100	2.4627	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	5084	0.0500	1.8905	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	7901	0.1000	1.4240	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	16072	0.2000	1.4690	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	41831	0.5000	1.5058	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	70165	1.0000	1.2808	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	136675	2.0000	1.2453	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	381081	5.0000	1.3899	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	768536	10.0000	1.3761	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	1595633	20.0000	1.4120	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

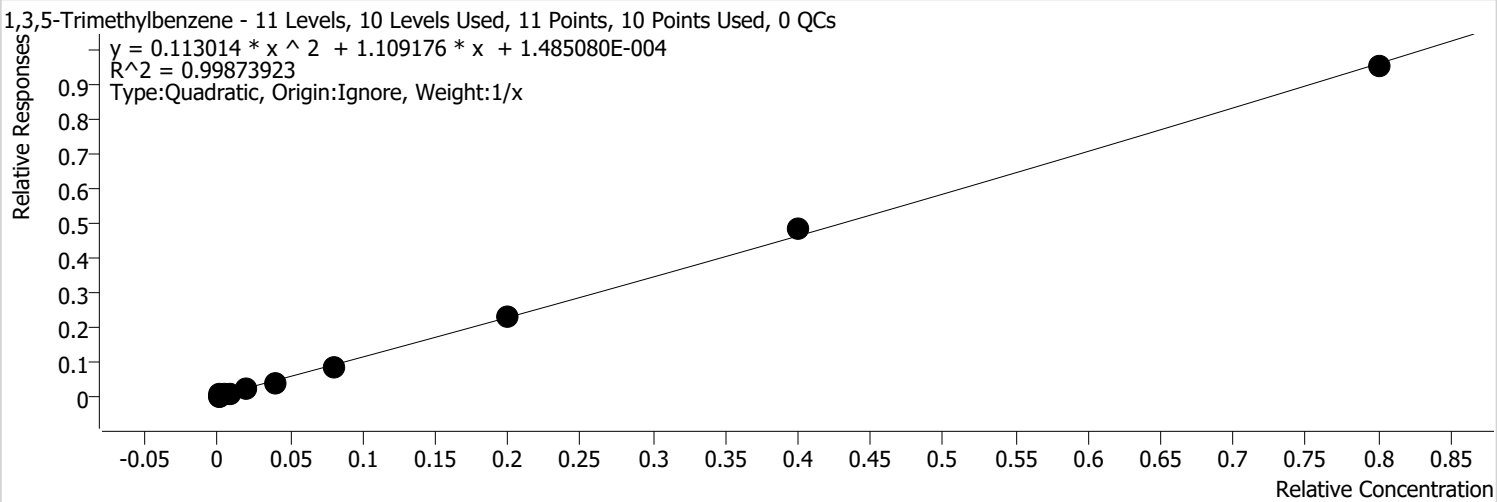
2-Chlorotoluene %RSE = 6.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		236	0.0050	0.8079	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	747	0.0100	1.3570	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	3025	0.0500	1.1250	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	5110	0.1000	0.9210	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	9936	0.2000	0.9081	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	26995	0.5000	0.9718	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	48679	1.0000	0.8886	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	97975	2.0000	0.8927	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	256840	5.0000	0.9368	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	515582	10.0000	0.9232	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	1014812	20.0000	0.8980	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
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Quant Batch Version	10.0	**Quant Report Version**	10.0

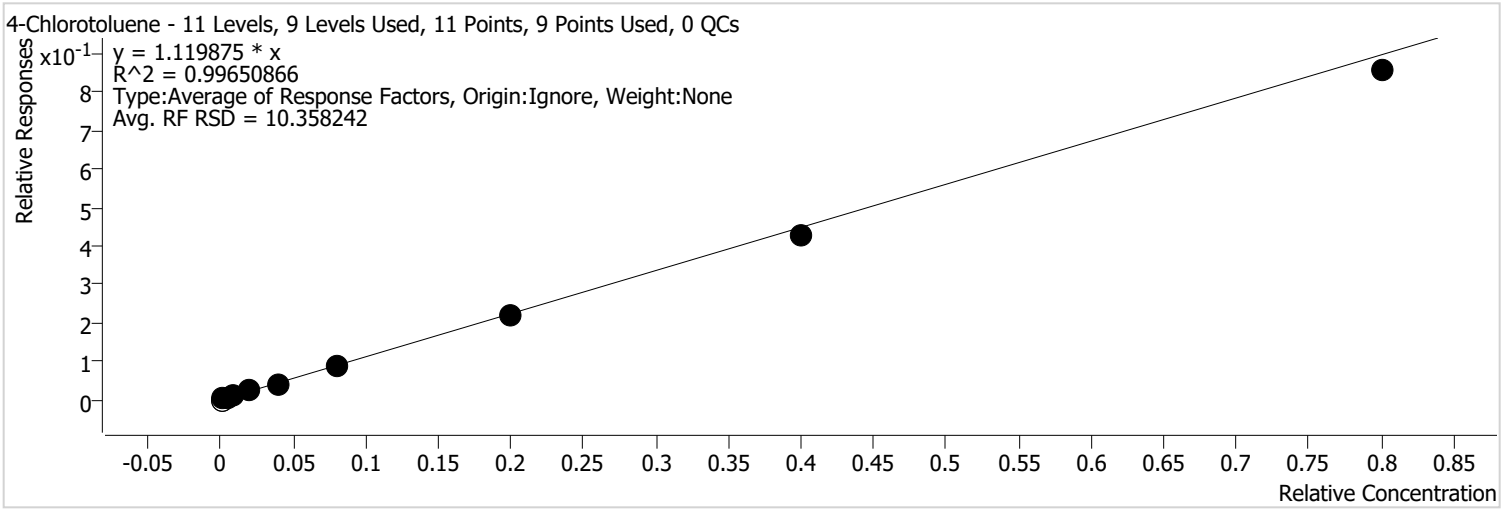
1,3,5-Trimethylbenzene %RSE = 11.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		247	0.0050	0.8455	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	876	0.0100	1.5918	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	3806	0.0500	1.4155	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	5699	0.1000	1.0270	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	11896	0.2000	1.0873	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	30868	0.5000	1.1112	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	53679	1.0000	0.9799	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	112743	2.0000	1.0272	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	316632	5.0000	1.1549	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	670063	10.0000	1.1998	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	1342920	20.0000	1.1884	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

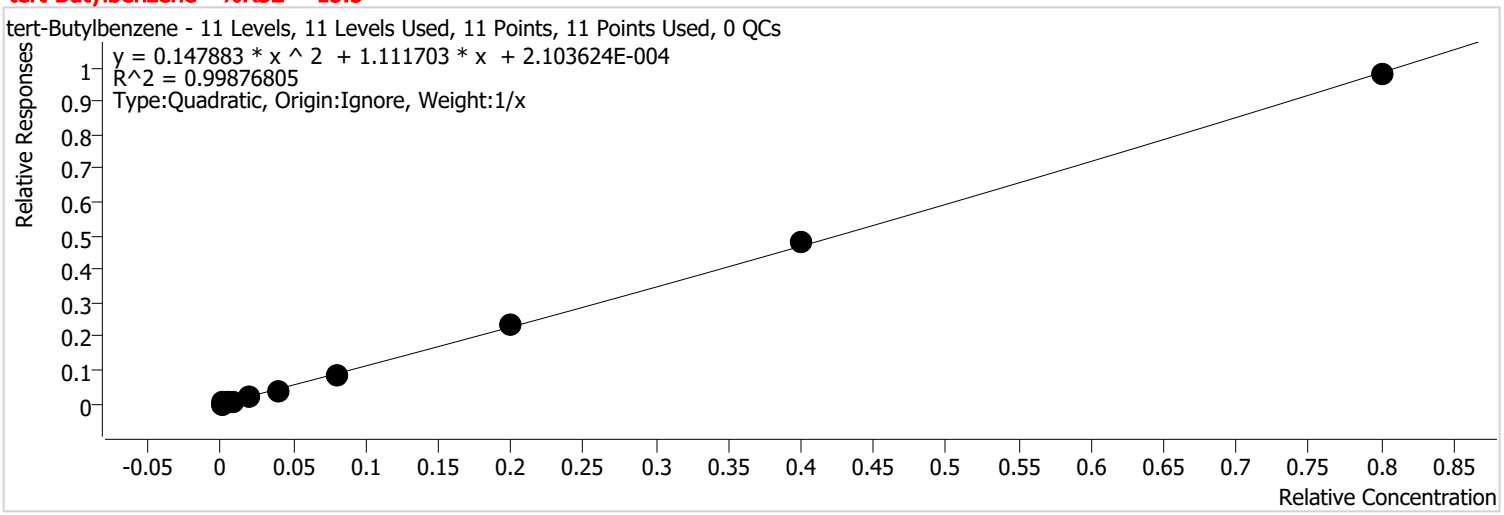
4-Chlorotoluene %RSE = 10.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		472	0.0050	1.6168	
D:\GC-27\DATA\042425\042429.D	Calibration	2		772	0.0100	1.4030	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	3828	0.0500	1.4233	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	6182	0.1000	1.1142	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	11566	0.2000	1.0571	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	31012	0.5000	1.1164	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	58530	1.0000	1.0684	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	117546	2.0000	1.0710	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	301411	5.0000	1.0994	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	592638	10.0000	1.0612	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	1206964	20.0000	1.0681	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
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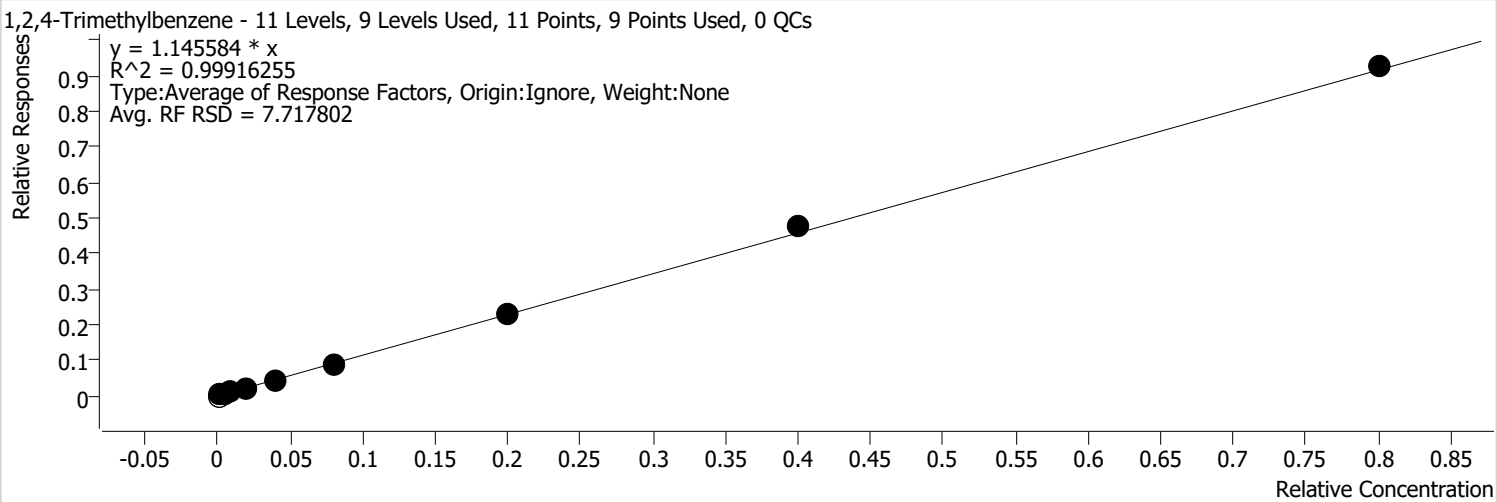
tert-Butylbenzene %RSE = 15.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1	x	680	0.0050	2.3299	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	796	0.0100	1.4471	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	4203	0.0500	1.5630	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	5659	0.1000	1.0200	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	12284	0.2000	1.1228	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	31788	0.5000	1.1443	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	53314	1.0000	0.9732	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	113287	2.0000	1.0322	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	325918	5.0000	1.1887	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	668668	10.0000	1.1973	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	1381114	20.0000	1.2222	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

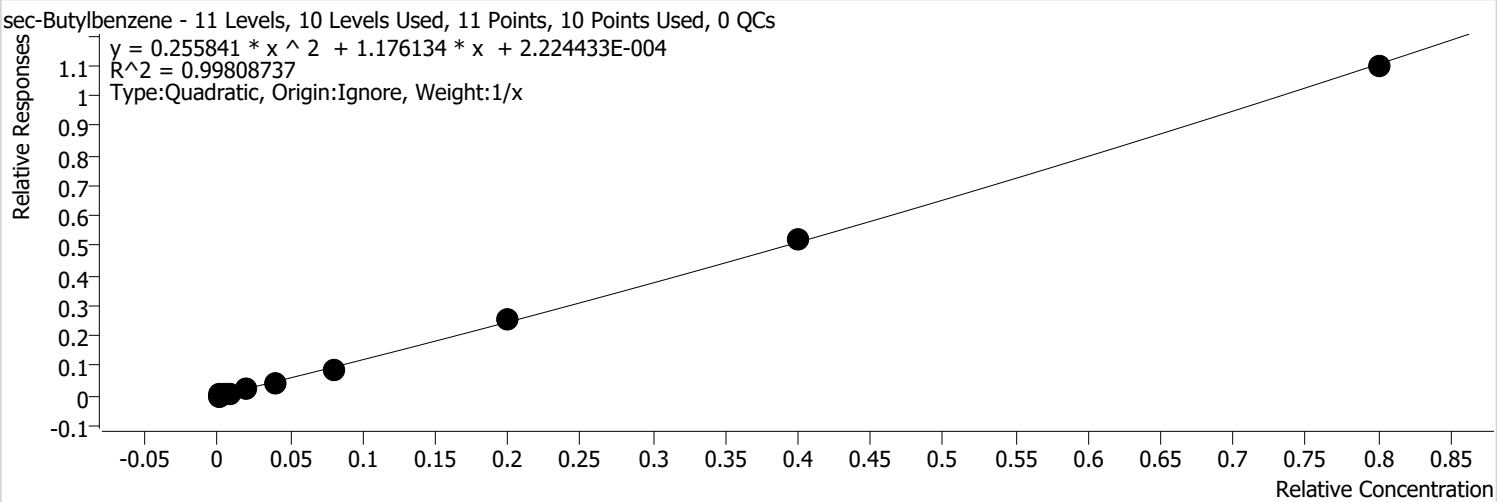
1,2,4-Trimethylbenzene %RSE = 7.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		448	0.0050	1.5340	
D:\GC-27\DATA\042425\042429.D	Calibration	2		1148	0.0100	2.0863	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	3593	0.0500	1.3361	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	5847	0.1000	1.0537	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	12674	0.2000	1.1584	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	31461	0.5000	1.1325	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	57638	1.0000	1.0521	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	117734	2.0000	1.0727	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	313775	5.0000	1.1445	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	671769	10.0000	1.2028	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	1307826	20.0000	1.1573	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:18 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

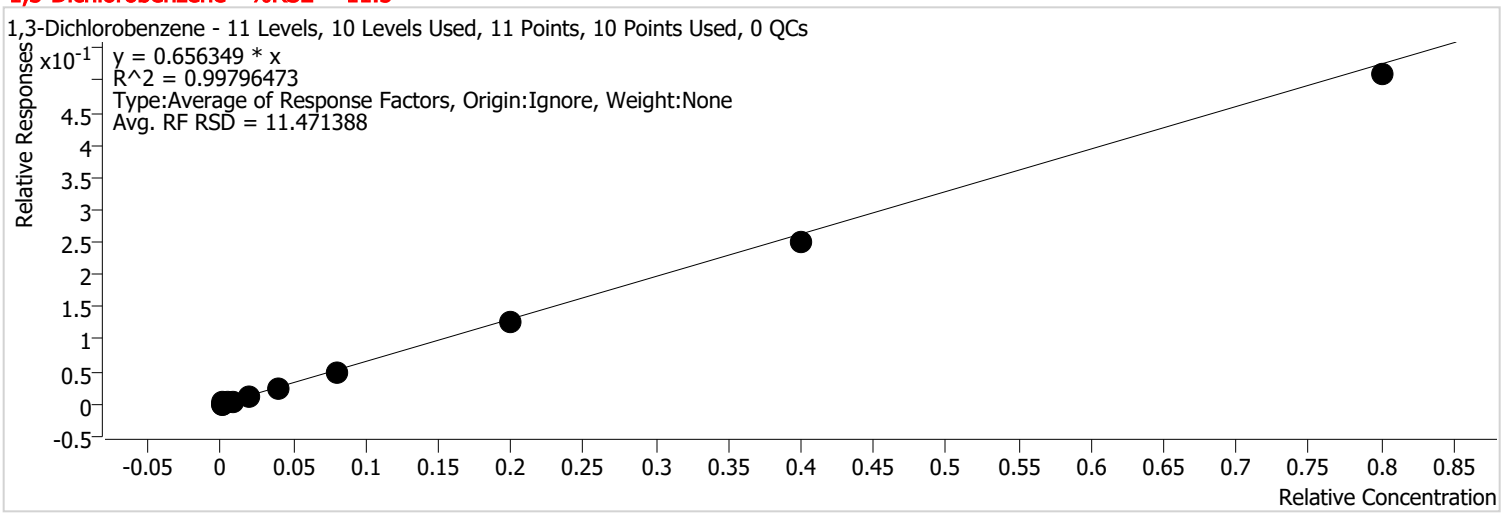
sec-Butylbenzene %RSE = 14.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		429	0.0050	1.4701	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	938	0.0100	1.7048	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	4379	0.0500	1.6284	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	6386	0.1000	1.1509	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	12524	0.2000	1.1447	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	35495	0.5000	1.2778	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	54547	1.0000	0.9957	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	115518	2.0000	1.0525	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	354416	5.0000	1.2927	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	733501	10.0000	1.3134	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	1548575	20.0000	1.3704	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

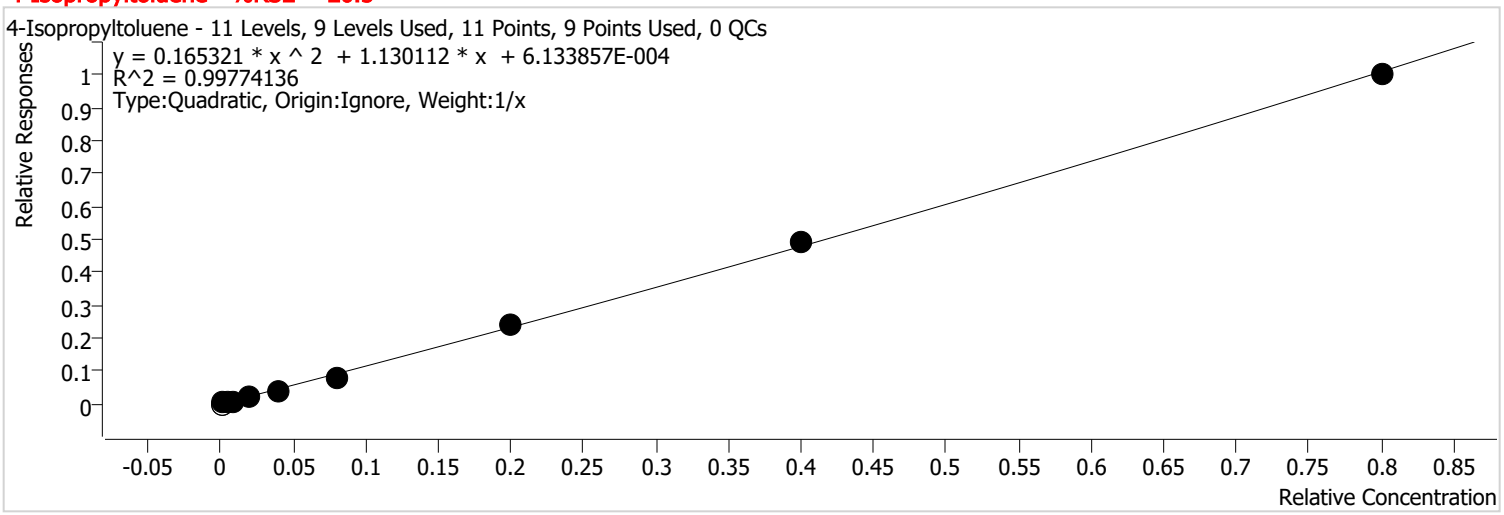
1,3-Dichlorobenzene %RSE = 11.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		535	0.0050	1.3268	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	657	0.0100	0.8581	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	2609	0.0500	0.7000	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	4999	0.1000	0.6431	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	9666	0.2000	0.6230	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	25125	0.5000	0.6118	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	47420	1.0000	0.6286	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	94512	2.0000	0.6099	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	249959	5.0000	0.6301	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	517629	10.0000	0.6234	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	1024448	20.0000	0.6355	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

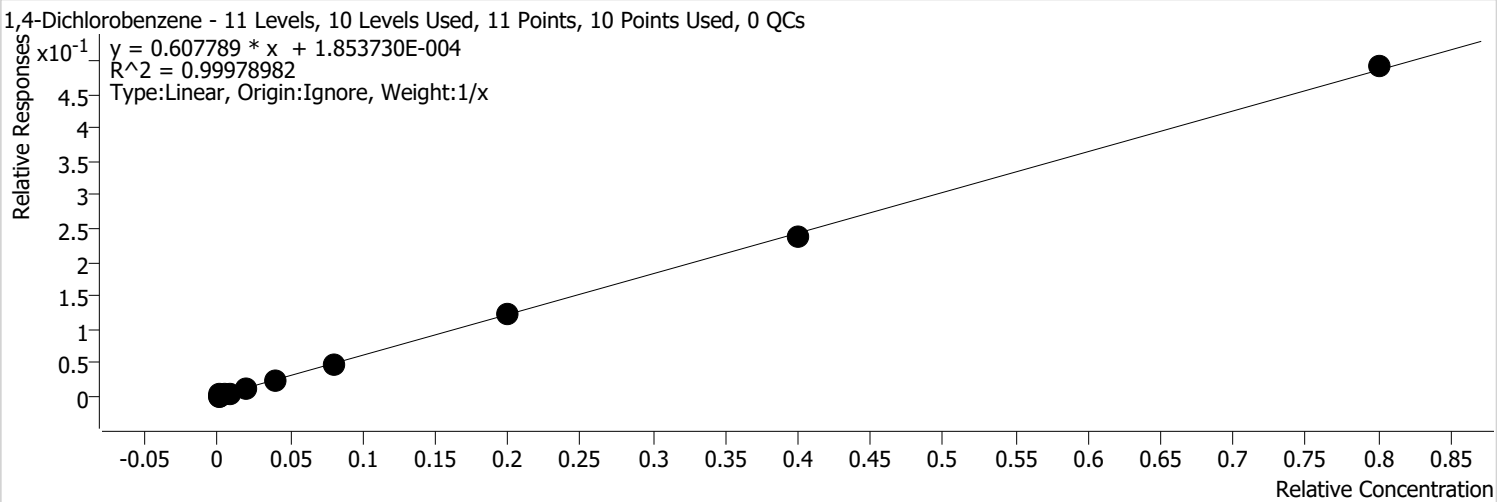
4-Isopropyltoluene %RSE = 20.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		1023	0.0050	3.5060	
D:\GC-27\DATA\042425\042429.D	Calibration	2		1671	0.0100	3.0365	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	5114	0.0500	1.9017	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	5881	0.1000	1.0598	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	12869	0.2000	1.1763	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	33063	0.5000	1.1902	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	53366	1.0000	0.9741	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	110635	2.0000	1.0080	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	335576	5.0000	1.2240	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	691577	10.0000	1.2383	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	1413951	20.0000	1.2513	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

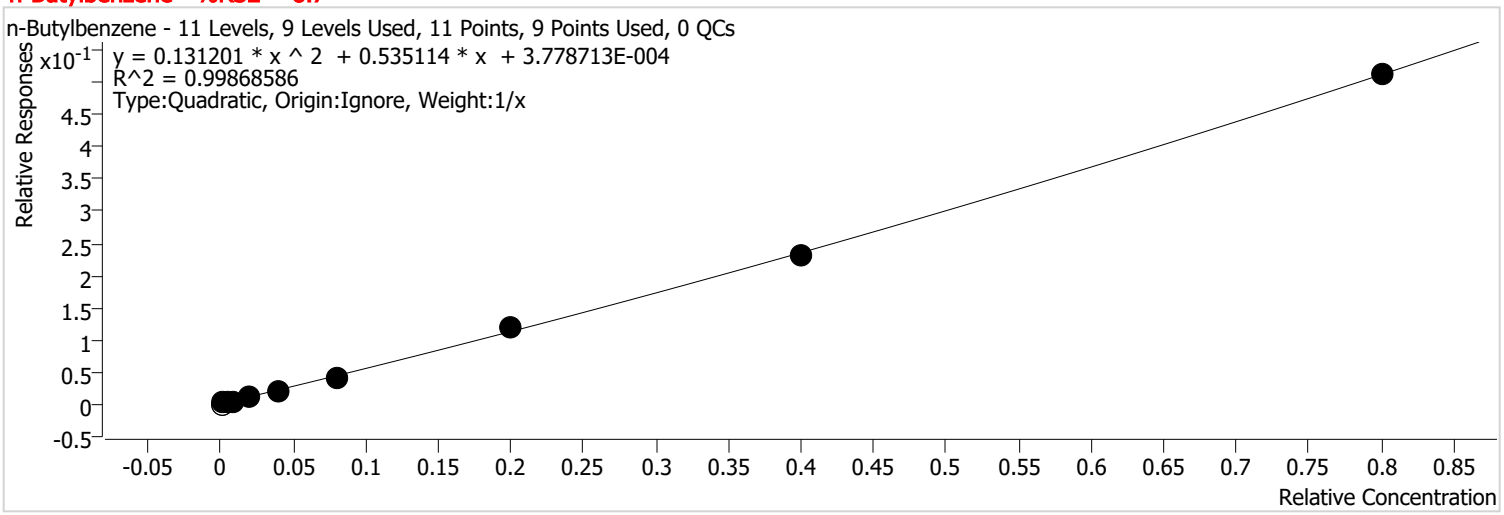
1,4-Dichlorobenzene %RSE = 6.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		807	0.0050	2.0025	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	790	0.0100	1.0319	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	2994	0.0500	0.8031	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	5060	0.1000	0.6509	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	9674	0.2000	0.6235	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	23979	0.5000	0.5838	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	45812	1.0000	0.6073	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	92617	2.0000	0.5976	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	241544	5.0000	0.6089	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	498023	10.0000	0.5998	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	990459	20.0000	0.6144	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

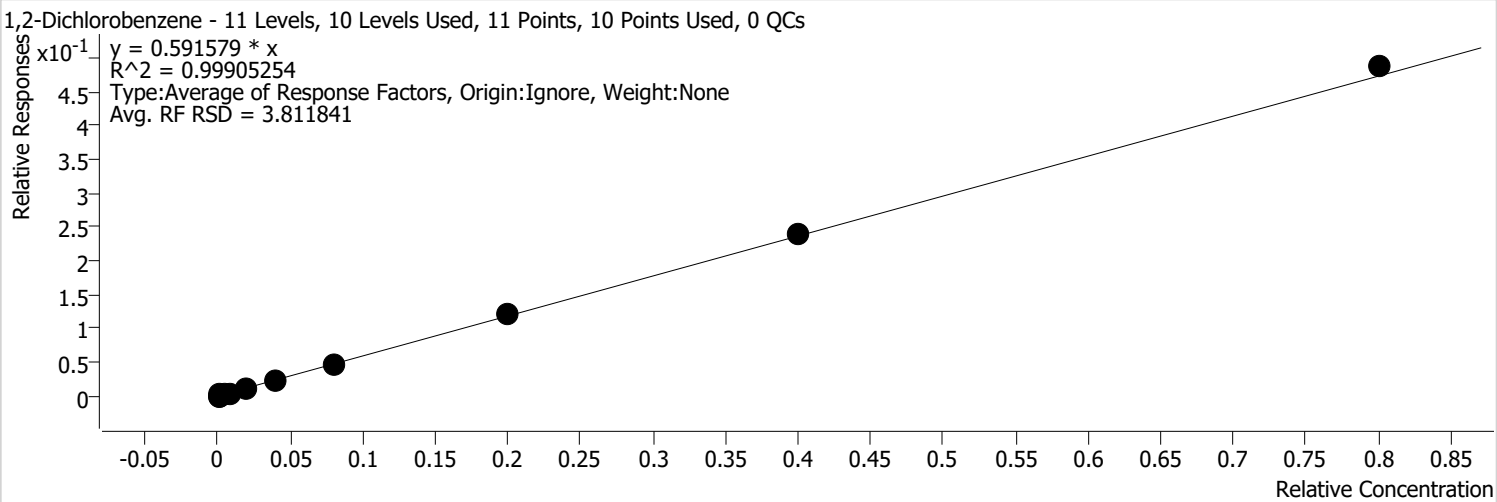
n-Butylbenzene %RSE = 8.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		440	0.0050	1.0910	
D:\GC-27\DATA\042425\042429.D	Calibration	2		598	0.0100	0.7812	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	2841	0.0500	0.7622	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	4727	0.1000	0.6081	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	8983	0.2000	0.5790	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	25549	0.5000	0.6221	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	36729	1.0000	0.4869	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	78236	2.0000	0.5048	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	238542	5.0000	0.6014	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	483346	10.0000	0.5821	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	1032318	20.0000	0.6403	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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1,2-Dichlorobenzene %RSE = 3.8

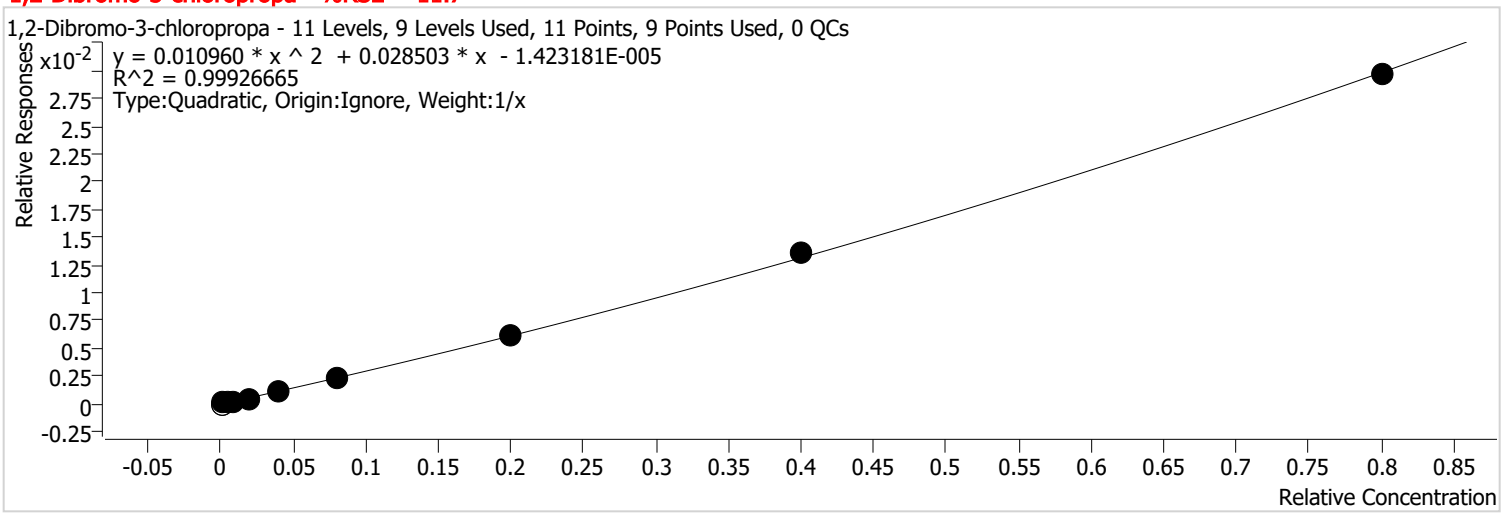


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		400	0.0050	0.9922	
D:\GC-27\DATA\042425\042429.D	Calibration	2	x	433	0.0100	0.5651	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	2304	0.0500	0.6180	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	4238	0.1000	0.5452	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	9313	0.2000	0.6003	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	23891	0.5000	0.5817	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	45201	1.0000	0.5992	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	91309	2.0000	0.5892	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	243323	5.0000	0.6134	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	493860	10.0000	0.5948	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	981566	20.0000	0.6089	

Calibration Report

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

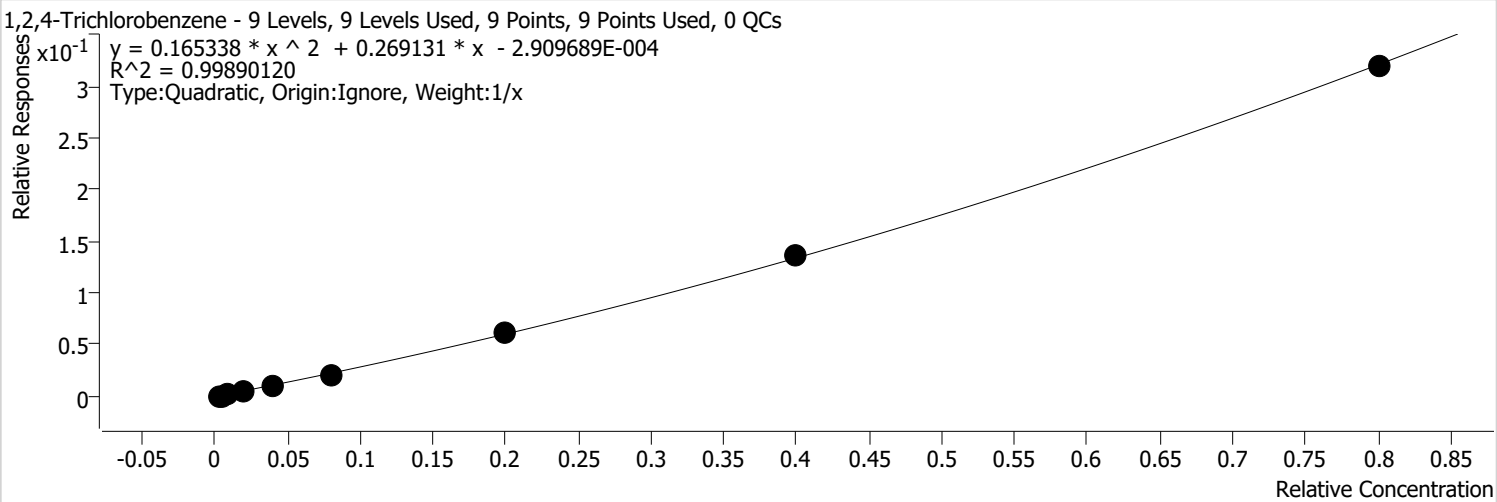
1,2-Dibromo-3-chloropropa %RSE = 11.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1		26	0.0050	0.0639	
D:\GC-27\DATA\042425\042429.D	Calibration	2		38	0.0100	0.0497	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	104	0.0500	0.0279	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	196	0.1000	0.0252	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	420	0.2000	0.0271	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	979	0.5000	0.0238	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	1967	1.0000	0.0261	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	4309	2.0000	0.0278	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	12321	5.0000	0.0311	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	28090	10.0000	0.0338	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	59656	20.0000	0.0370	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

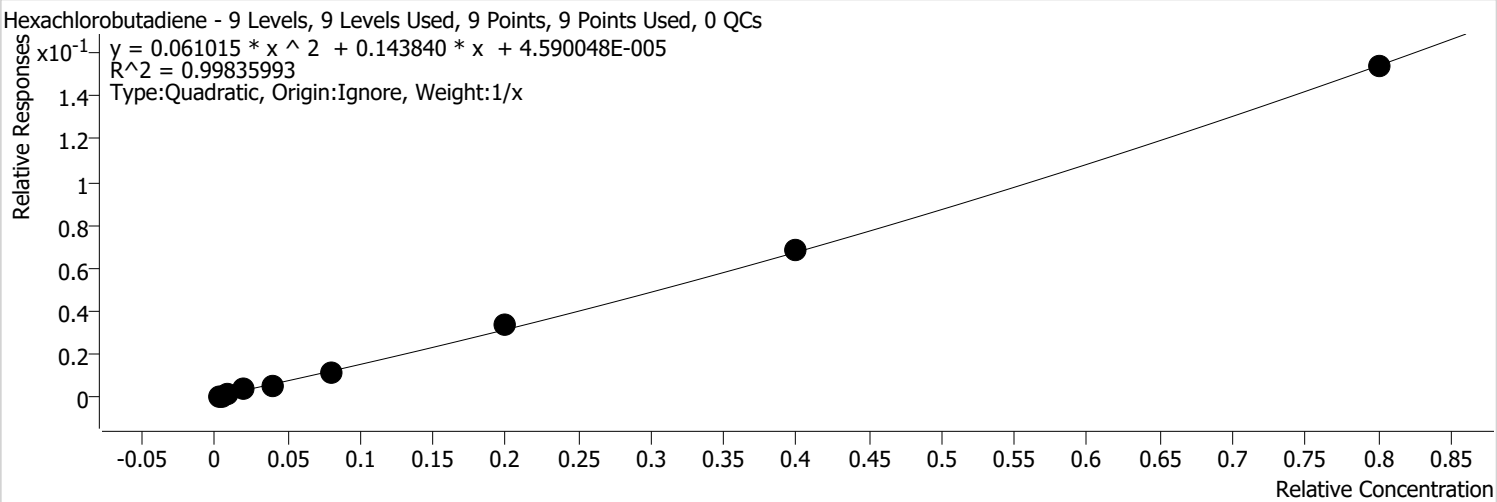
1,2,4-Trichlorobenzene %RSE = 10.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	635	0.0500	0.1703	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1490	0.1000	0.1917	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	3689	0.2000	0.2378	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	11040	0.5000	0.2688	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	16976	1.0000	0.2250	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	38575	2.0000	0.2489	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	123704	5.0000	0.3119	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	285304	10.0000	0.3436	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	642396	20.0000	0.3985	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

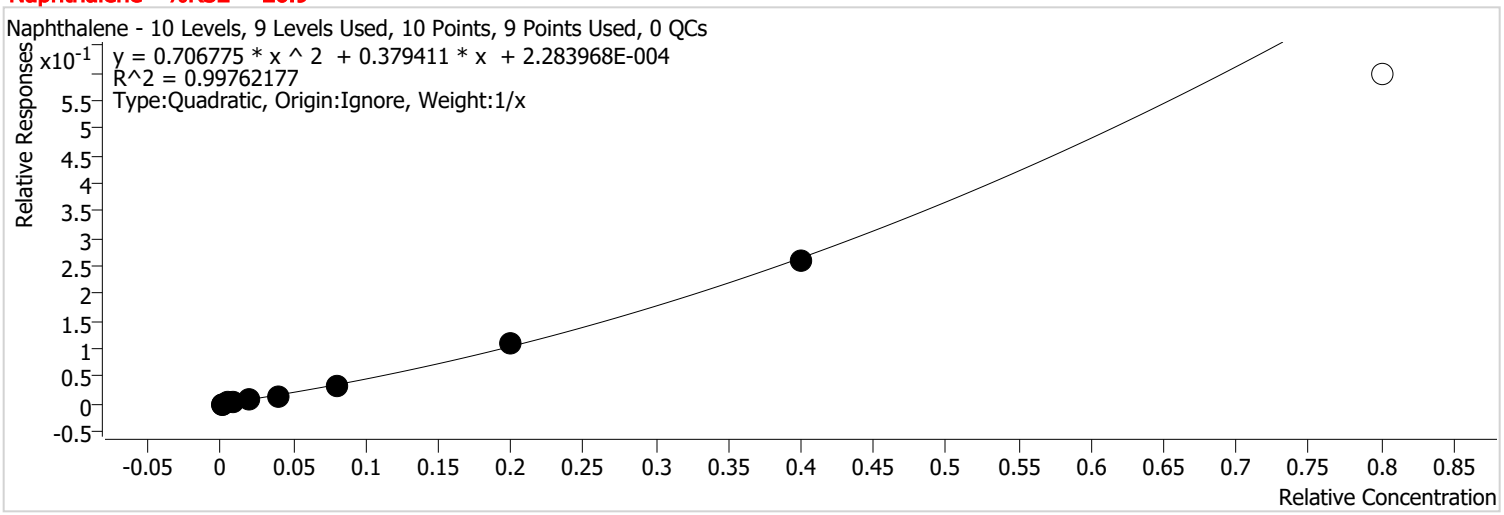
Hexachlorobutadiene %RSE = 18.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	755	0.0500	0.2026	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	934	0.1000	0.1202	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	2388	0.2000	0.1539	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	7125	0.5000	0.1735	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	9175	1.0000	0.1216	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	21052	2.0000	0.1358	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	65364	5.0000	0.1648	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	140627	10.0000	0.1694	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	309707	20.0000	0.1921	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
Report Time	4/28/2025 12:22:18 PM	**Reporter Name**	FA\GC27
Last Calib Update	4/28/2025 12:20 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

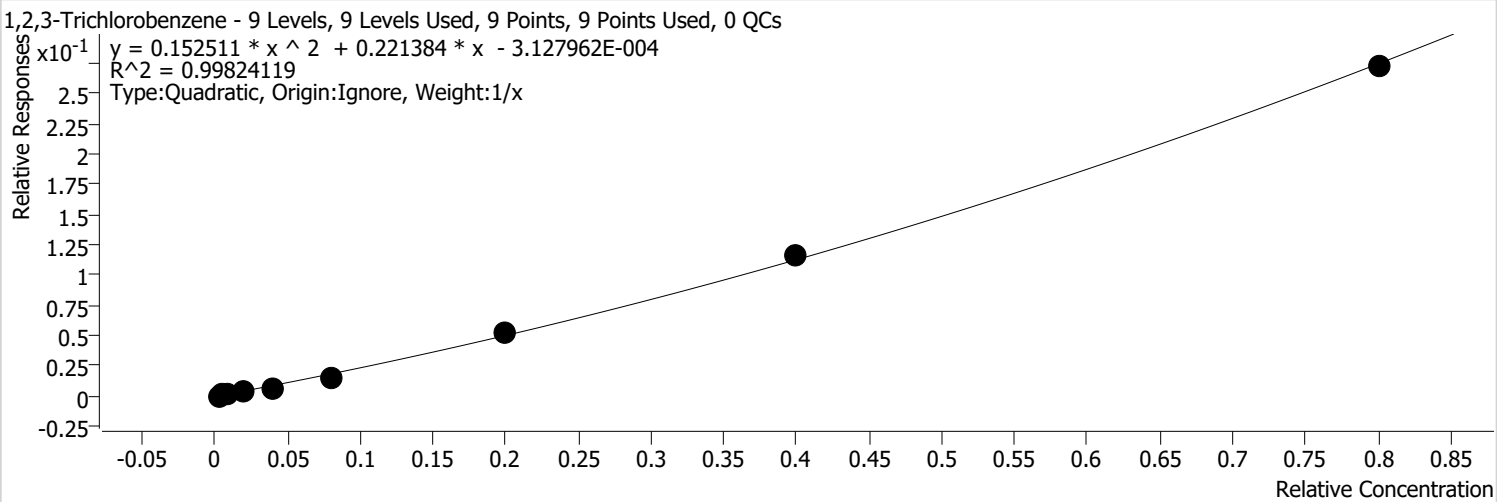
Naphthalene %RSE = 26.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042502.D	Calibration	1	x	700	0.0050	1.7350	
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	1472	0.0500	0.3950	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	3025	0.1000	0.3892	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	6044	0.2000	0.3895	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	17282	0.5000	0.4208	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	26400	1.0000	0.3500	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	64383	2.0000	0.4154	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	222976	5.0000	0.5621	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	543167	10.0000	0.6542	
D:\GC-27\DATA\042425\042438.D	Calibration	11		1204039	20.0000	0.7469	

Batch Path	D:\GC-27\DATA\042425\QuantResults\voc w ss ical.batch.bin		
Analysis Time	4/28/2025 12:21 PM	**Analyst Name**	FA\GC27
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1,2,3-Trichlorobenzene %RSE = 13.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\GC-27\DATA\042425\042430.D	Calibration	3	x	409	0.0500	0.1098	
D:\GC-27\DATA\042425\042431.D	Calibration	4	x	1328	0.1000	0.1709	
D:\GC-27\DATA\042425\042432.D	Calibration	5	x	2730	0.2000	0.1759	
D:\GC-27\DATA\042425\042433.D	Calibration	6	x	8293	0.5000	0.2019	
D:\GC-27\DATA\042425\042434.D	Calibration	7	x	13074	1.0000	0.1733	
D:\GC-27\DATA\042425\042435.D	Calibration	8	x	30926	2.0000	0.1996	
D:\GC-27\DATA\042425\042436.D	Calibration	9	x	103729	5.0000	0.2615	
D:\GC-27\DATA\042425\042437.D	Calibration	10	x	243160	10.0000	0.2929	
D:\GC-27\DATA\042425\042438.D	Calibration	11	x	547986	20.0000	0.3399	

SIM VOC Calibration

Date: 7.27.22

Analyst: LS

Instrument: 5975

Cal	ICV
8260 Standard: 3053	8260 Standard: 3086
1,4-Dioxane Standard: 3053	1,4-Dioxane Standard: 3052

IS/Surrogate 3052 MeOH: 3099

Spike Conc. (ppb)	Intermediate Spike (uL)	Cal 8260 Spike (uL)	Cal Diox Spike (uL)	ICV 8260 Spike (uL)	ICV Diox Spike (uL)	Final Vol. (mL)	Comments
0.005	1.25	--	--	--	--	50	
0.01	2.50	--	--	--	--	50	
0.05	12.50	--	--	--	--	50	
0.1	25.00	--	--	--	--	50	
0.2	50.00	--	--	--	--	50	
0.5	125.00	--	--	--	--	50	
1	--	2.50	5.00	--	--	50	
2	--	5.00	10.00	--	--	50	
5	--	12.50	25.00	--	--	50	
10	--	25.00	50.00	--	--	50	
20	--	50.00	100.00	--	--	50	
ICV (5 ppb)	--	--	--	12.50	25.00	50	

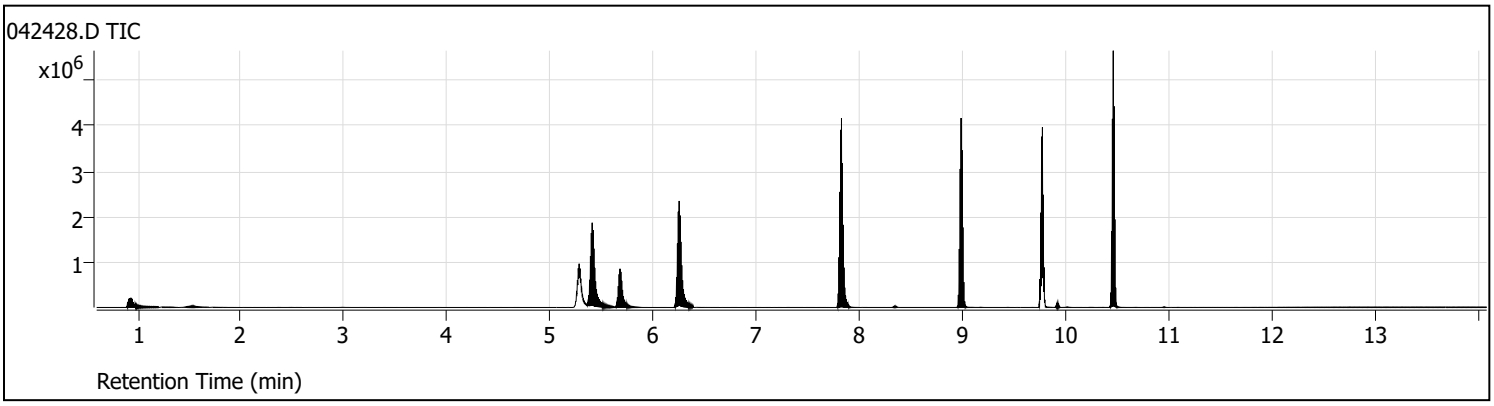
	8260 Cal (uL)	Diox Cal (uL)	P&T MeOH (uL)	Final Volume (mL)
Intermediate	10	20	970	1

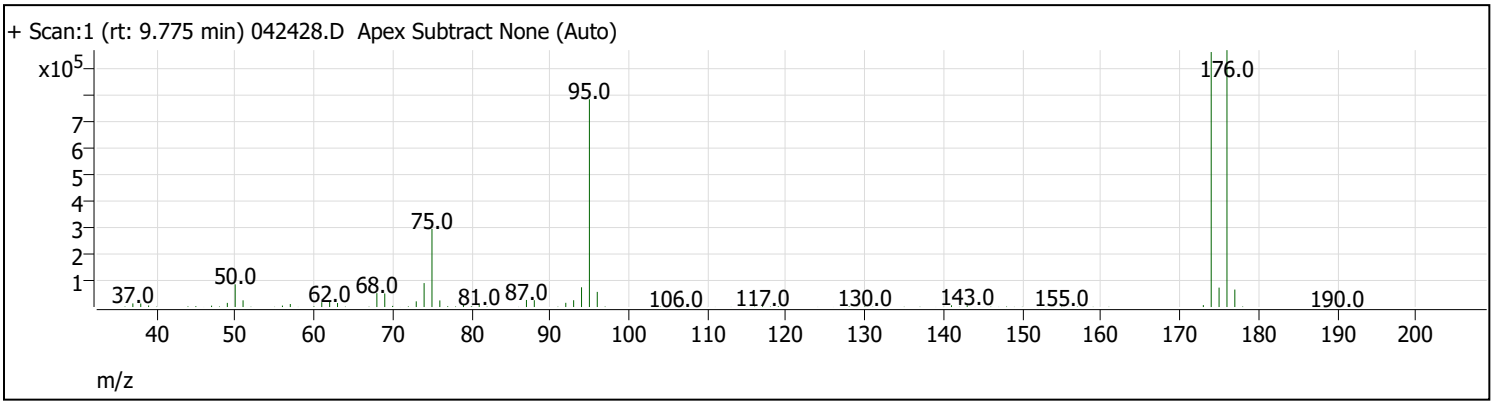
Signature and Date: [signature] 7.27.22

Tunes

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\042425\042428.D
Acq on:	4/24/2025 9:05:38 PM
Operator:	KJ/FG
Sample:	VOC W SS ICAL 1
Inst Name:	GC-27
ALS Vial:	64
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

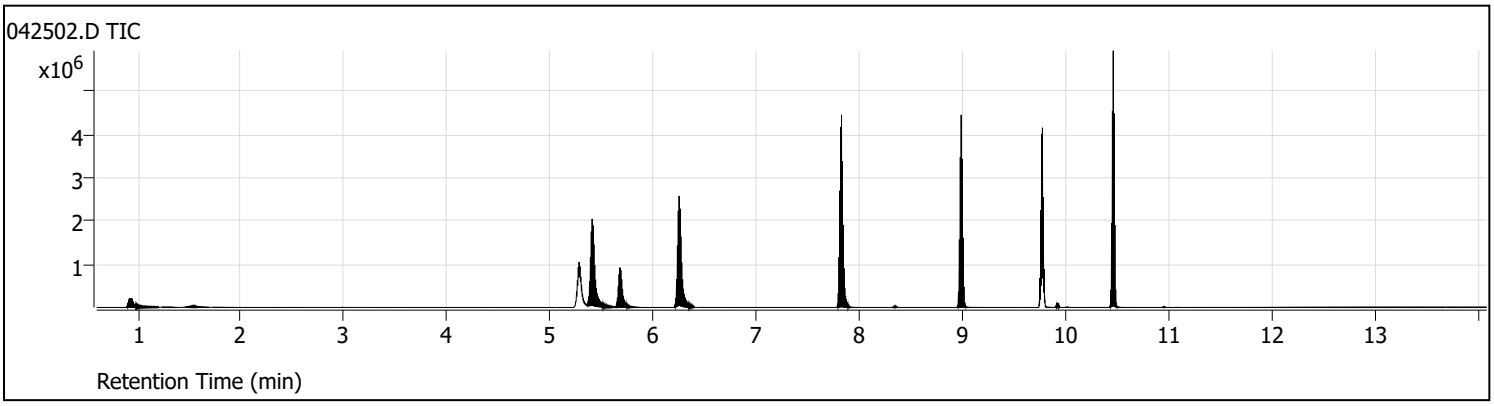


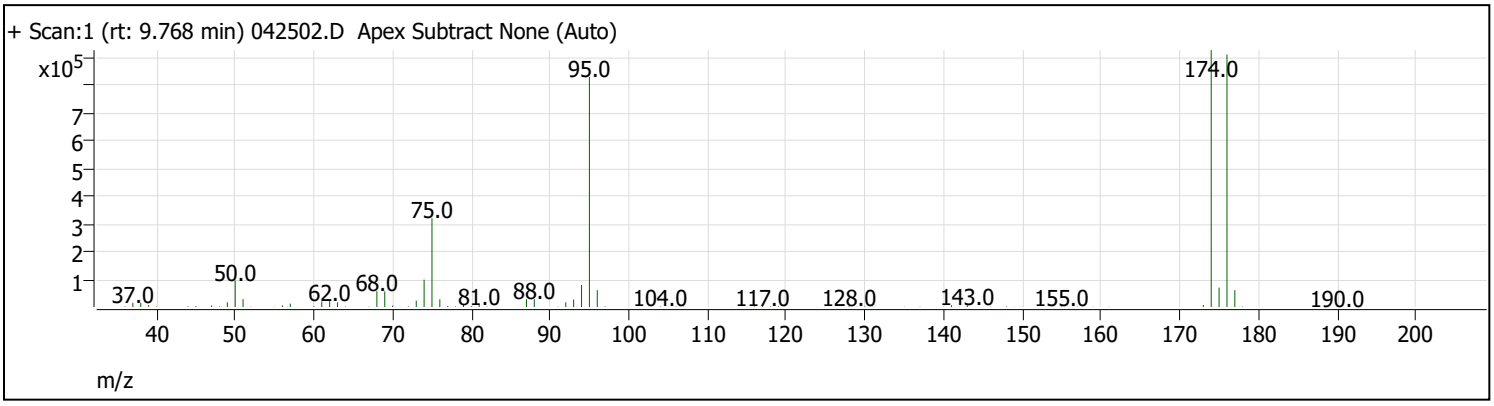


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	81.5	785026	Pass
96	95	5	9	7.3	57227	Pass
173	174	0	2	0.7	7183	Pass
174	95	50	200	122.7	963282	Pass
175	174	5	9	7.6	73355	Pass
176	174	95	105	100.7	970362	Pass
177	176	5	10	6.8	65971	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\042425\042502.D
Acq on:	4/25/2025 9:20:20 AM
Operator:	KJ/FG
Sample:	VOC W SS ICAL 1 RR
Inst Name:	GC-27
ALS Vial:	7
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

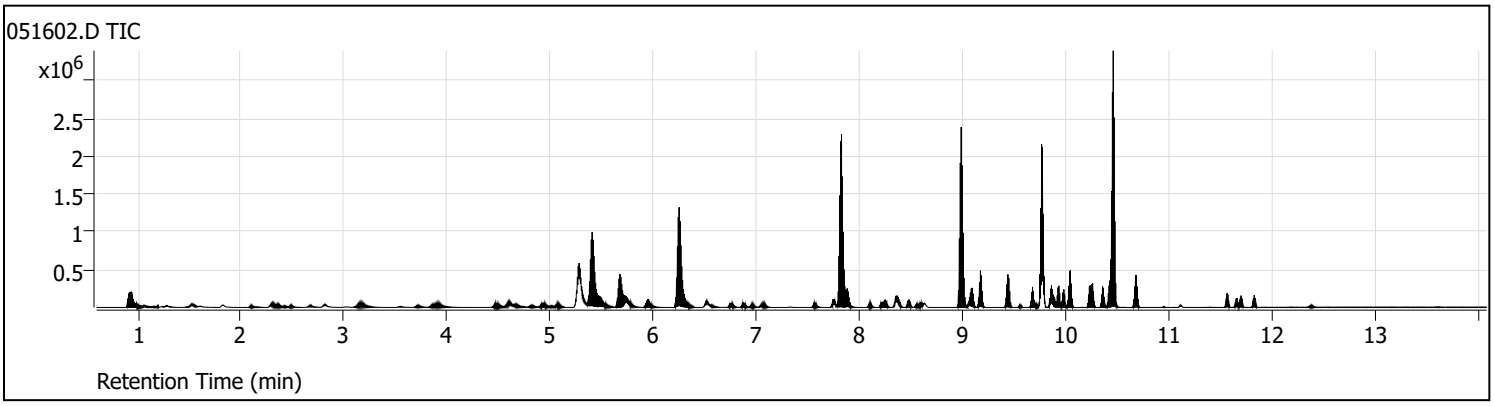


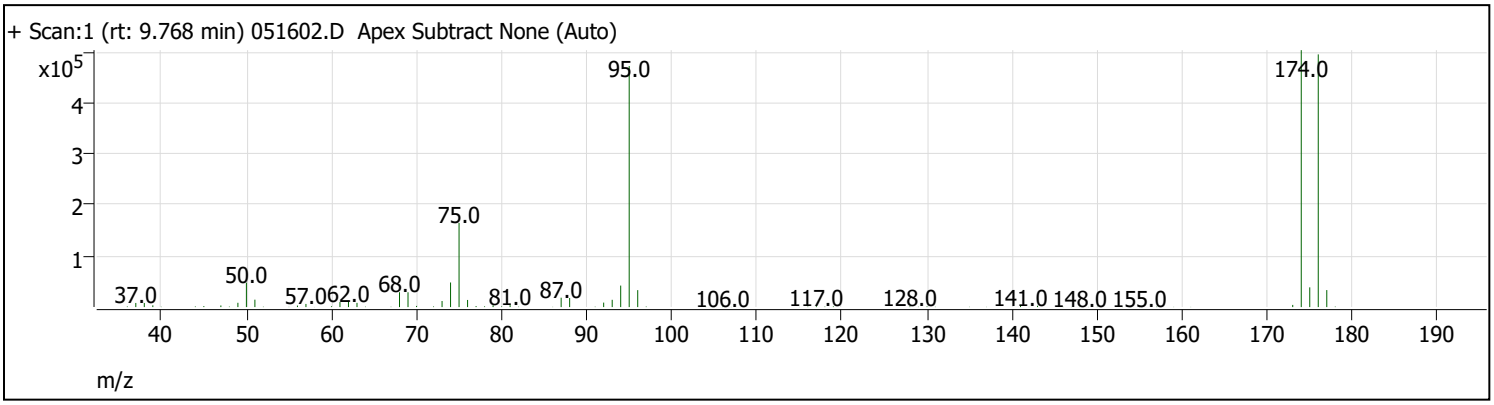


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	89.6	829570	Pass
96	95	5	9	7.3	60951	Pass
173	174	0	2	0.8	7029	Pass
174	95	50	200	111.7	926262	Pass
175	174	5	9	7.6	70113	Pass
176	174	95	105	98.3	910446	Pass
177	176	5	10	6.7	60826	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\051625\051602.D
Acq on:	5/16/2025 9:01:48 AM
Operator:	KJ/FG
Sample:	SIM W CCV
Inst Name:	GC-27
ALS Vial:	40
Method:	D:\MassHunter\Methods\Quant\BFB2021.m

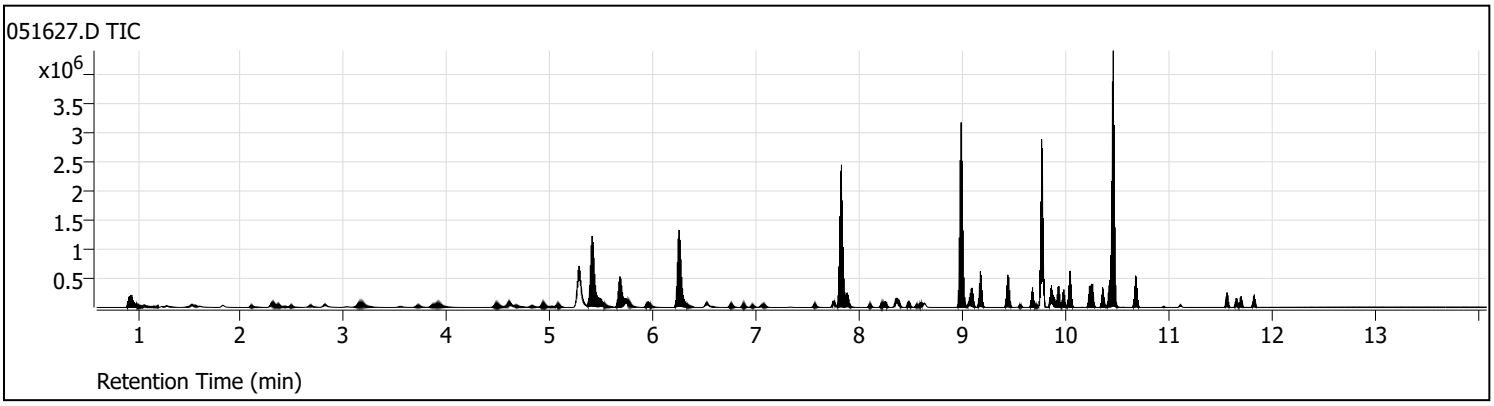


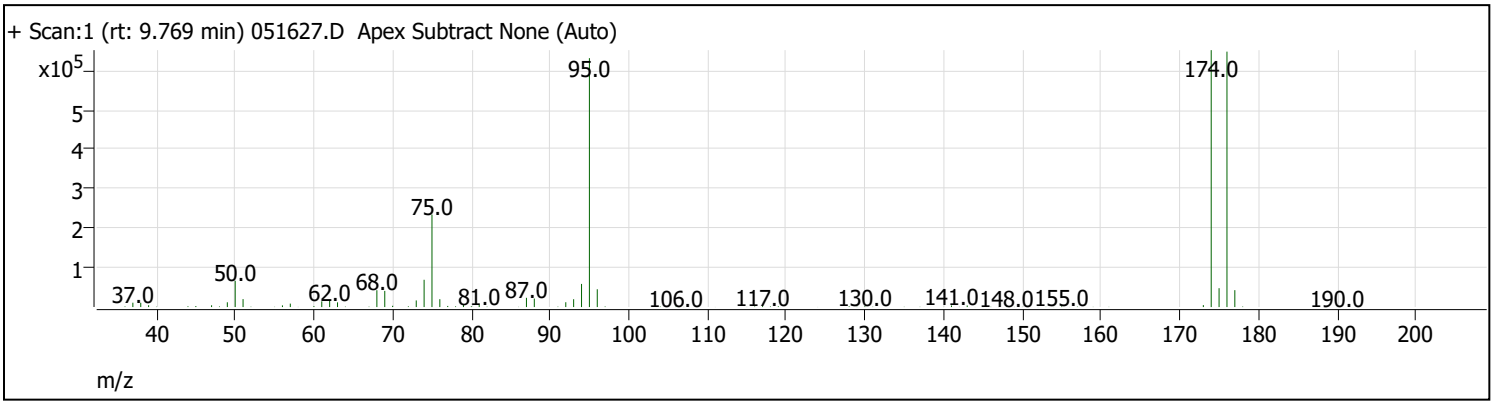


Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
95	174	50	200	93.8	471521	Pass
96	95	5	9	7.0	33162	Pass
173	174	0	2	0.8	4269	Pass
174	95	50	200	106.6	502602	Pass
175	174	5	9	7.7	38584	Pass
176	174	95	105	98.3	494302	Pass
177	176	5	10	6.7	33250	Pass

Tune Evaluation Report

Data Path:	D:\GC-27\DATA\051625\051627.D
Acq on:	5/16/2025 7:57:03 PM
Operator:	KJ/FG
Sample:	SIM W CCV
Inst Name:	GC-27
ALS Vial:	61
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	630832	Pass
96	95	5	9	7.2	45123	Pass
173	174	0	2	0.8	4922	Pass
174	95	50	200	103.2	651097	Pass
175	174	5	9	7.3	47797	Pass
176	174	95	105	99.4	647339	Pass
177	176	5	10	6.6	42870	Pass

Internal Standards

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-27_250520B

Run No: 99880

Lab File ID (Standard): 042436.D

Instrument ID: GC-27

GC Column: ID (mm):

CCV Name: VOC W SS 99279

CCV SeqNo: 2080245

Date Analyzed: 4/25/2025

Time Analyzed: 0:36

Length (M):

		IS1 FBZ AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (14DCBZ) AREA #	RT #		
	12 HOUR STD	2731447	5.407	1370853	8.986	1983364	10.462		
	UPPER LIMIT	5462894	5.907	2741706	9.486	3966728	10.962		
	LOWER LIMIT	1365724	4.907	685427	8.486	991682	9.962		
	SAMPLE NO.								
01	SIM-CCV-99880A	1.51609e+006	5.407	779569	8.988	1.09631e+006	10.463		
02	SIM-CCV-47744	1.74981e+006	5.407	1.06749e+006	8.988	1.39968e+006	10.464		

IS1 FBZ = Fluorobenzene

IS2 (CBZ) = Chlorobenzene-d5

IS3 (14DCBZ) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-27_250520B

CCV Name: SIM-CCV-99880A

Run No: 99880

CCV SeqNo: 2080246

Lab File ID (Standard): 051602.D

Date Analyzed: 5/16/2025

Instrument ID: GC-27

Time Analyzed: 9:01

GC Column: ID (mm): Length (M):

		IS1 FBZ AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (14DCBZ) AREA #	RT #		
	12 HOUR STD	1516085	5.407	779569	8.988	1096314	10.463		
	UPPER LIMIT	3032170	5.907	1559138	9.488	2192628	10.963		
	LOWER LIMIT	758043	4.907	389785	8.488	548157	9.963		
	SAMPLE NO.								
01	LCS-47744	1.51609e+006	5.407	779569	8.988	1.09631e+006	10.463		
02	MB-47744	1.59223e+006	5.407	828912	8.987	1.14747e+006	10.463		
03	2505316-001A	1.6423e+006	5.407	801999	8.987	1.01022e+006	10.463		
04	2505316-001ADUP	1.59665e+006	5.407	872678	8.987	1.17503e+006	10.463		
05	2505283-001A	1.5509e+006	5.407	1.10105e+006	8.987	1.44302e+006	10.462		
06	2505283-001AMS	1.47735e+006	5.407	736792	8.987	1.00507e+006	10.463		

IS1 FBZ = Fluorobenzene

IS2 (CBZ) = Chlorobenzene-d5

IS3 (14DCBZ) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

RunID: GC-27_250520B

CCV Name: SIM-CCV-47744

Run No: 99880

CCV SeqNo: 2080252

Lab File ID (Standard): 051627.D

Date Analyzed: 5/16/2025

Instrument ID: GC-27

Time Analyzed: 19:57

GC Column: ID (mm): Length (M):

		IS1 FBZ AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (14DCBZ) AREA #	RT #		
	12 HOUR STD	1749812	5.407	1067493	8.988	1399677	10.464		
	UPPER LIMIT	3499624	5.907	2134986	9.488	2799354	10.964		
	LOWER LIMIT	874906	4.907	533747	8.488	699839	9.964		
	SAMPLE NO.								
01	2505258-005A	1.7965e+006	5.407	1.06733e+006	8.988	1.362e+006	10.464		
02	2505258-001A	2.18163e+006	5.407	1.07076e+006	8.988	1.39073e+006	10.464		
03	2505258-002A	1.61479e+006	5.407	1.08819e+006	8.987	1.42015e+006	10.463		
04	2505258-003A	1.56626e+006	5.407	837893	8.987	1.2299e+006	10.463		
05	2505258-004A	2.18268e+006	5.407	968324	8.988	1.34623e+006	10.463		

IS1 FBZ = Fluorobenzene

IS2 (CBZ) = Chlorobenzene-d5

IS3 (14DCBZ) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

Supporting Data

5030B Prep Bench Sheet

Analyst: KJ	
Date and Time: 5/16/25	
Batch: 47744	

Spikes / Chemicals / Reagents	Omega ID	Amount Used	Final Volume
VOC Standard 20 µg/mL (LCS/LCSD)	31182	50 µL	50 mL
GX Standard 2,500 µg/mL (LCS/LCSD)	31196	10 µL	
VOC Standard 20 µg/mL (MS/MSD)	31182	43 µL	43 mL
GX Standard 2,500 µg/mL (MS/MSD)	31196	8.6 µL	

Notes/Modificaitons

Samples verified pH < 2	Initial/Date

I acknowledge the spike/chemical/reagent amounts listed above were used	Initial/Date
	KJ 5/16/25

Equipment	
Pipette:	41
Balance:	
Other:	

Dilutions	
Sample ID	Dilution Description
5000 x 1	0.5 mL into 1.5 mL
x 1	5x, 3% into 15 mL
x 10	200x, 0.75 mL into 15 mL
x 2	200x, 1.5 mL into 15 mL

Sign and date below if you contributed to the preparation of this batch
Kelsey Jm 5/16/25

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **5/16/2025 9:21:51 A**
Prep End Date: **5/16/2025 2:18:12 P**
Technician: **Kelsey Jones**

Prep Factor Units:
mL / mL

Prep Batch ID: **47744** Prep Code: **PREP-5030** Method No: **SW5030**

Sample ID	ClientSampleID	Matrix	Sample Amount (mL)	Final Vol (mL)	Prep Factor	PrepStart	PrepEnd
MB-47744		Water	40	40	1.000	5/16/2025	5/16/2025
LCS-47744		Water	40	40	1.000	5/16/2025	5/16/2025
2505316-001A	COV-SWW36 5/25	Stormwater	40	40	1.000	5/16/2025	5/16/2025
2505316-001ADUP		Stormwater	40	40	1.000	5/16/2025	5/16/2025
2505283-001A	KSAI-AO-Kent-051425	Water	40	40	1.000	5/16/2025	5/16/2025
2505283-001AMS		Water	40	40	1.000	5/16/2025	5/16/2025
2505258-005A	Trip Blank	Water	40	40	1.000	5/16/2025	5/16/2025
2505258-001A	DUP-051225	Water	40	40	1.000	5/16/2025	5/16/2025
2505258-002A	GEI-11-051225	Water	40	40	1.000	5/16/2025	5/16/2025
2505258-002AMS		Water	40	40	1.000	5/16/2025	5/16/2025
2505258-003A	GEI-12-051225	Water	40	40	1.000	5/16/2025	5/16/2025
2505258-004A	GEI-13-051225	Water	40	40	1.000	5/16/2025	5/16/2025
2505290-001A	MW-102-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025
2505290-002A	MW-326-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025
2505290-003A	MW-236R-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025
2505290-004A	MW-325-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025
2505290-005A	MW-160-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025
2505290-006A	MW-116-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025
2505290-007A	MW-317-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025
2505290-008A	MW-115-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025
2505290-009A	MW-331-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025
2505290-011A	MW-308-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025
2505290-012A	FMW-141-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025
2505290-015A	MW-119-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025

Alliance Technical Group, LLC - Seattle

PREP BATCH REPORT

Prep Start Date: **5/16/2025 9:21:51 A**
Prep End Date: **5/16/2025 2:18:12 P**
Technician: **Kelsey Jones**

Prep Factor Units:
mL / mL

Prep Batch ID: **47744** Prep Code: **PREP-5030** Method No: **SW5030**

2505290-016A	TB-250514	Groundwater	40	40	1.000	5/16/2025	5/16/2025

Prep Method hold time was exceeded by 1 day(s)

Reporting Checklist

Alliance TECHNICAL GROUP

Analyst: KJ	Workorder(s): 05258
Date: 5/20/25	
Prep #: 47744	
Run(s) #:99880	Analysis: O-VOC-W-SS

Y/N

Y **Run complete? (i.e., all QC, samples, dilutions present)**

Y **All QC within limits?** Exceedances acceptable per QA Manual and/or Auth'd by PM_____?

□CCV out □LCS out □MS out □Blank hits □IS/surr out □RPD out

□Hold time □Other_____

N Any pending dilutions, re-extracts, or reanalysis to be completed in future run?

☐ **Manual entries/narratives reviewed for accuracy? (note below)** Analyst: _____ Reviewer: _____

✔ **Omega checks performed?**

✔	SampID, Test Code, Samp Type, Prep	✔
	PMOIST, pH	✔
✔	BLKref, SPKref, RPDref, CCVref	✔
✔	Attachments	✔

☑Sequence ☑Cgrams ☑Bench Sheets ☑Perf Checks ☑Tech Doc

✔	Related Info	✔

☑ICAL Ref ☑ICAL Ack/QA'd? ☑Spiking Info/CCV Std □_____

✔	Reporting Checks	✔

□Dilutions/narr redundancy check (important!) □RLs OK (low wt, high pmoist, dilutions)

Notes for Reviewer

By signing, I attest that I have followed the SOP

Kelsey Jones	5/20/25	Savannah Houser	5/20/25
Analyst	Date	Reviewer	Date

Signature: MG

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

GeoEngineers
Robert Trahan
2101 4th Ave, Suite 950
Seattle, WA 98121

RE: 701/709 South Jackson, 24504-001-04
Work Order Number: 2505366

May 27, 2025

Attention Robert Trahan:

Alliance Technical Group, LLC - Seattle received 2 sample(s) on 5/19/2025 for the analyses presented in the following report.

Helium by GC/TCD
VOCs and APH by EPA Method TO-15/MA APH
Volatile Organic Compounds by EPA TO-15

All analyses were performed according to our accredited Quality Assurance program. Please contact the laboratory if you should have any questions about the results.

Alliance Technical Group is committed to accuracy, speed, and customer service. Thank you for choosing Alliance Technical Group's Seattle laboratory team for your analytical needs. We appreciate this opportunity to serve you!

Sincerely,

Lyann Rivera
Project Manager

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.4 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original

Date: *05/27/2025*

CLIENT: GeoEngineers
Project: 701/709 South Jackson
Work Order: 2505366

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2505366-001	VP-1-051925	05/19/2025 9:26 AM	05/19/2025 11:30 AM
2505366-002	Trip Blank	05/19/2025 12:00 AM	05/19/2025 11:30 AM

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

Original

Case Narrative

WO#: **2505366**

Date: **5/27/2025**

CLIENT: GeoEngineers
Project: 701/709 South Jackson

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

II. GENERAL REPORTING COMMENTS:
Air samples are reported in ppbv and ug/m3.

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 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.

Standard temperature and pressure assumes 25C and 1 atm.

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: **GeoEngineers**
WorkOrder: 2505366
Project: 701/709 South Jackson

Client Sample ID: VP-1-051925
Lab ID: 2505366-001A
Sample Type: Cylinders

Date Sampled: 5/19/2025
Date Received: 5/19/2025

Volatile Organic Compounds by EPA TO-15

Analyte	Concentration (ppbv)	Concentration (ug/m³)	Reporting Limit (ppbv)	Reporting Limit (ug/m³)	Qual	Method	Date/Analyst	
Benzene	0.0978	0.312	0.0400	0.128		EPA-TO-15	05/21/2025	RG
Ethylbenzene	<2.00	<8.68	2.00	8.68		EPA-TO-15	05/21/2025	RG
m,p-Xylene	<4.00	<17.4	4.00	17.4		EPA-TO-15	05/21/2025	RG
Naphthalene	<0.0560	<0.294	0.0560	0.294		EPA-TO-15	05/21/2025	RG
o-Xylene	<2.00	<8.68	2.00	8.68		EPA-TO-15	05/21/2025	RG
Toluene	<2.00	<7.54	2.00	7.54		EPA-TO-15	05/21/2025	RG
Surr: 4-Bromofluorobenzene	87.8 %Rec	--	70-130	--		EPA-TO-15	05/21/2025	RG

Client: **GeoEngineers**
WorkOrder: 2505366
Project: 701/709 South Jackson

Client Sample ID: Trip Blank
Lab ID: 2505366-002A
Sample Type: Cylinders

Date Sampled: 5/19/2025
Date Received: 5/19/2025

Volatile Organic Compounds by EPA TO-15

Analyte	Concentration (ppbv)	Concentration (ug/m³)	Reporting Limit (ppbv)	Reporting Limit (ug/m³)	Qual	Method	Date/Analyst	
Benzene	0.0960	0.307	0.0400	0.128		EPA-TO-15	05/21/2025	RG
Ethylbenzene	<2.00	<8.68	2.00	8.68		EPA-TO-15	05/21/2025	RG
m,p-Xylene	<4.00	<17.4	4.00	17.4		EPA-TO-15	05/21/2025	RG
Naphthalene	<0.0560	<0.294	0.0560	0.294		EPA-TO-15	05/21/2025	RG
o-Xylene	<2.00	<8.68	2.00	8.68		EPA-TO-15	05/21/2025	RG
Toluene	<2.00	<7.54	2.00	7.54		EPA-TO-15	05/21/2025	RG
Surr: 4-Bromofluorobenzene	86.0 %Rec	--	70-130	--		EPA-TO-15	05/21/2025	RG

Analytical Report

Work Order: **2505366**
Date Reported: **5/27/2025**

CLIENT: GeoEngineers
Project: 701/709 South Jackson

Lab ID: 2505366-001 **Collection Date:** 5/19/2025 9:26:00 AM
Client Sample ID: **VP-1-051925** **Matrix:** Soil Gas

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Helium by GC/TCD				Batch ID: R10004		Analyst: CO
Helium	ND	0.300	D	%	1.5	5/27/2025 1:25:00 PM

Lab ID: 2505366-002 **Collection Date:** 5/19/2025
Client Sample ID: **Trip Blank** **Matrix:** Soil Gas

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Helium by GC/TCD				Batch ID: R10004		Analyst: CO
Helium	ND	0.400	D	%	2	5/27/2025 1:55:00 PM

Analytical Report

Work Order: **2505366**
Date Reported: **5/27/2025**

Client: GeoEngineers
Project: 701/709 South Jackson
Lab ID: 2505366-001
Client Sample ID: **VP-1-051925**

Collection Date: 5/19/2025 9:26:00 AM
Matrix: Soil Gas

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOCs and APH by EPA Method TO-15/MA APH				Batch ID: R99991		Analyst: LB
Aliphatic Hydrocarbon (EC5-8)	50.6	30.0		ppbv	1	5/21/2025 11:59:42 AM
Aliphatic Hydrocarbon (EC9-12)	50.1	20.0		ppbv	1	5/21/2025 11:59:42 AM
Aromatic Hydrocarbon (EC9-10)	ND	6.00		ppbv	1	5/21/2025 11:59:42 AM
Surr: 4-Bromofluorobenzene	90.7	70 - 130		%Rec	1	5/21/2025 11:59:42 AM

Analytical Report

Work Order: **2505366**
Date Reported: **5/27/2025**

Client: GeoEngineers
Project: 701/709 South Jackson
Lab ID: 2505366-002
Client Sample ID: **Trip Blank**

Collection Date: 5/19/2025
Matrix: Soil Gas

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOCs and APH by EPA Method TO-15/MA APH				Batch ID: R99991		Analyst: LB
Aliphatic Hydrocarbon (EC5-8)	ND	30.0		ppbv	1	5/21/2025 9:19:50 AM
Aliphatic Hydrocarbon (EC9-12)	ND	20.0		ppbv	1	5/21/2025 9:19:50 AM
Aromatic Hydrocarbon (EC9-10)	ND	6.00		ppbv	1	5/21/2025 9:19:50 AM
Surr: 4-Bromofluorobenzene	88.9	70 - 130		%Rec	1	5/21/2025 9:19:50 AM

Work Order: 2505366
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

VOCs and APH by EPA Method TO-15/MA APH

Sample ID: **LCS-R99991**	SampType: **LCS**	Units: **ppbv**	Prep Date: **5/20/2025**	RunNo: **99991**
Client ID: **LCSW**	Batch ID: **R99991**		Analysis Date: **5/20/2025**	SeqNo: **2082741**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (EC5-8)	13.2	7.50	12.00	0	110	70	130				
Aliphatic Hydrocarbon (EC9-12)	13.2	5.00	12.00	0	110	70	130				
Aromatic Hydrocarbon (EC9-10)	10.7	1.50	10.00	0	107	70	130				
Surr: 4-Bromofluorobenzene	4.76		5.000		95.2	70	130				

Sample ID: **MB-R99991**	SampType: **MBLK**	Units: **ppbv**	Prep Date: **5/21/2025**	RunNo: **99991**
Client ID: **MBLKW**	Batch ID: **R99991**		Analysis Date: **5/21/2025**	SeqNo: **2082742**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (EC5-8)	ND	7.50									
Aliphatic Hydrocarbon (EC9-12)	ND	5.00									
Aromatic Hydrocarbon (EC9-10)	ND	1.50									
Surr: 4-Bromofluorobenzene	4.44		5.000		88.7	70	130				

Sample ID: **2505366-002AREP**	SampType: **REP**	Units: **ppbv**	Prep Date: **5/21/2025**	RunNo: **99991**
Client ID: **Trip Blank**	Batch ID: **R99991**		Analysis Date: **5/21/2025**	SeqNo: **2082746**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (EC5-8)	ND	30.0						0		25	
Aliphatic Hydrocarbon (EC9-12)	ND	20.0						0		25	
Aromatic Hydrocarbon (EC9-10)	ND	6.00						0		25	
Surr: 4-Bromofluorobenzene	18.0		20.00		90.2	70	130		0		

Work Order: 2505366
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Helium by GC/TCD

Sample ID: **LCS-R100047**	SampType: **LCS**			Units: **%**		Prep Date: **5/27/2025**		RunNo: **100047**		
Client ID: **LCSW**	Batch ID: **R100047**					Analysis Date: **5/27/2025**		SeqNo: **2084225**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Helium	4.92	0.200	5.000	0	98.5	80	120				

Sample ID: **MB-R100047**	SampType: **MBLK**			Units: **%**		Prep Date: **5/27/2025**		RunNo: **100047**		
Client ID: **MBLKW**	Batch ID: **R100047**					Analysis Date: **5/27/2025**		SeqNo: **2084226**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Helium	ND	0.200									

Sample ID: **2505366-001AREP**	SampType: **REP**			Units: **%**		Prep Date: **5/27/2025**		RunNo: **100047**		
Client ID: **VP-1-051925**	Batch ID: **R100047**					Analysis Date: **5/27/2025**		SeqNo: **2084223**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Helium	ND	0.300						0		30	D

Work Order: 2505366
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Volatile Organic Compounds by EPA TO-15

Sample ID: **LCS-R99965**	SampType: **LCS**	Units: **ppbv**	Prep Date: **5/20/2025**	RunNo: **99965**
Client ID: **LCSW**	Batch ID: **R99965**		Analysis Date: **5/20/2025**	SeqNo: **2082024**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2.09	0.0100	2.000	0	105	70	130				
Toluene	1.96	0.500	2.000	0	97.8	70	130				
Ethylbenzene	1.99	0.500	2.000	0	99.7	70	130				
m,p-Xylene	3.97	1.00	4.000	0	99.3	70	130				
o-Xylene	1.97	0.500	2.000	0	98.3	70	130				
Naphthalene	1.87	0.0140	2.000	0	93.5	70	130				
Surr: 4-Bromofluorobenzene	4.74		5.000		94.9	70	130				

Sample ID: **MB-R99965**	SampType: **MBLK**	Units: **ppbv**	Prep Date: **5/21/2025**	RunNo: **99965**
Client ID: **MBLKW**	Batch ID: **R99965**		Analysis Date: **5/21/2025**	SeqNo: **2082025**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0100									
Toluene	ND	0.500									
Ethylbenzene	ND	0.500									
m,p-Xylene	ND	1.00									
o-Xylene	ND	0.500									
Naphthalene	ND	0.0140									
Surr: 4-Bromofluorobenzene	4.28		5.000		85.7	70	130				

Sample ID: **2505366-002AREP**	SampType: **REP**	Units: **ppbv**	Prep Date: **5/21/2025**	RunNo: **99965**
Client ID: **Trip Blank**	Batch ID: **R99965**		Analysis Date: **5/21/2025**	SeqNo: **2082027**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.0935	0.0400						0.09596	2.62	25	
Toluene	ND	2.00						0		25	
Ethylbenzene	ND	2.00						0		25	
m,p-Xylene	ND	4.00						0		25	
o-Xylene	ND	2.00						0		25	
Naphthalene	ND	0.0560						0		25	
Surr: 4-Bromofluorobenzene	17.4		20.00		87.2	70	130		0		

Work Order: 2505366
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Volatile Organic Compounds by EPA TO-15

Sample ID: **2505366-002AREP** SampType: **REP** Units: **ppbv** Prep Date: **5/21/2025** RunNo: **99965**
Client ID: **Trip Blank** Batch ID: **R99965** Analysis Date: **5/21/2025** SeqNo: **2082027**

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

Sample Log-In Check List

Client Name:	GEI	Work Order Number:	2505366
Logged by:	Morgan Wilson	Date Received:	5/19/2025 11:30:00 AM

Chain of Custody

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

Log In

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

Special Handling (if applicable)

16. 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:			

17. Additional remarks:

Item Information

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

Air Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical — An Alliance Technical Group Company

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

Date: 5/19/25 Page: 1 of: 1

Laboratory Project No (Internal): 25053606

Project Name: 701/704 South Jackson

Special Remarks:

Project No: 24504-001-04

Client: GeoEngineers

Address: 2101 4th Ave, Suite 950

Location: Seattle

City, State, Zip: Seattle WA

Collected by: MHP-Hary Tallen

Telephone: 206 240 300

Reports to (PM): Robert Trahan

Disposal: Samples will be disposed of one week after report is submitted unless otherwise requested. ☐ Retain volume (specify above) ☐ Return to client

Fax: rtrahan@geoengineers.com

Email (PM): rtrahan@GeoEng.geoengineers.com

#	Sample Name	Canister / Flow Reg Serial #	Sample Type (Matrix) *	Container Type **	Expected Fill Time / Flow Rate	Sample Start Date & Time	Field Initial Sample Pressure (" Hg)	Sample End Date & Time	Field Final Sample Pressure (" Hg)	Analysis: Full list VOCs TO15	Select VOCs TO15 ***	APH TO15 ★	Siloxanes TO15	Sulfur TO15	Major Gases 3C	Helium 3C Mod D-1946 Dat Fan	VOCs 8260	GX/BTEX 8260		Comments
1	VP-1-051925	0391 Canister / FC-7 Flow Reg	S	BV	150CC/MIN	5/19/25 Date 0926 Time	29" Pressure	5/19/25 Date 0936 Time	5" Pressure		X	X				X				★ Petroleum equivalent carbon (EC) fractions include EC 5-8 EC 9-12 and EC 9-10
2	Trip Blank	0388 Canister / Flow Reg		BV		Date / Time	Pressure	Date / Time	Pressure		X	X				X				
3		Canister / Flow Reg				Date / Time	Pressure	Date / Time	Pressure											
4		Canister / Flow Reg				Date / Time	Pressure	Date / Time	Pressure											
5		Canister / Flow Reg				Date / Time	Pressure	Date / Time	Pressure											

* Matrix Codes: AA = Ambient Air OA = Outdoor Air IA = Indoor Air S = Subslab / Soil Gas SVE = SVE RNG = Biogas / Landfill / Digester

** Container Codes: BV = 1 Liter Bottle Vac 6L = 6L Canister 1L = 1L Canister CYL = High Pressure Cylinder F = Filter S = Sorbent Tube TB = Tedlar Bag

*** Select one: ☒ BTEXN & APH ☐ PCE & Breakdown ☐ Other, specify in comments

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.

Turn-Around Time:
☒ Standard ☐ Next Day ☐ 3 Day ☐ Same Day ☐ 2 Day ____ specify

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x MHP-Hary Tallen	Max Hary Nelson	5/19/25 1128	x	Nathan Weller	5/19/25 1130
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

GeoEngineers
Robert Trahan
2101 4th Ave, Suite 950
Seattle, WA 98121

RE: 701/709 South Jackson, 24504-001-04
Work Order Number: 2505259

May 20, 2025

Attention Robert Trahan:

Alliance Technical Group, LLC - Seattle received 2 sample(s) on 5/13/2025 for the analyses presented in the following report.

Helium by GC/TCD
VOCs and APH by EPA Method TO-15/MA APH
Volatile Organic Compounds by EPA TO-15

All analyses were performed according to our accredited Quality Assurance program. Please contact the laboratory if you should have any questions about the results.

Alliance Technical Group is committed to accuracy, speed, and customer service. Thank you for choosing Alliance Technical Group's Seattle laboratory team for your analytical needs. We appreciate this opportunity to serve you!

Sincerely,

Lyann Rivera
Project Manager

CC:
Javam Ruark

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.4 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original

Date: *05/20/2025*

CLIENT: GeoEngineers
Project: 701/709 South Jackson
Work Order: 2505259

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2505259-001	Trip Blank	05/12/2025 12:00 AM	05/13/2025 2:15 PM
2505259-002	VP-2-051225	05/12/2025 2:24 PM	05/13/2025 2:15 PM

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

Case Narrative

WO#: **2505259**

Date: **5/20/2025**

CLIENT: GeoEngineers

Project: 701/709 South Jackson

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

II. GENERAL REPORTING COMMENTS:
Air samples are reported in ppbv and ug/m3. Major gases are reported as % ratio of the Major Gases analyzed (Carbon dioxide, Carbon Monoxide, Methane, Nitrogen, Oxygen and Hydrogen).

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 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.

Standard temperature and pressure assumes 25C and 1 atm.

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: **2505259**
Date Reported: **5/20/2025**

CLIENT: GeoEngineers
Project: 701/709 South Jackson

Lab ID: 2505259-001 **Collection Date:** 5/12/2025
Client Sample ID: **Trip Blank** **Matrix:** Air

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Helium by GC/TCD				Batch ID: R99857		Analyst: CO
Helium	0.372	0.300	D	%	1.5	5/19/2025 4:29:00 PM

NOTES:
Pressurized with N2.

Lab ID: 2505259-002 **Collection Date:** 5/12/2025 2:24:00 PM
Client Sample ID: **VP-2-051225** **Matrix:** Soil Gas

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Helium by GC/TCD				Batch ID: R99857		Analyst: CO
Helium	ND	0.400	D	%	2	5/19/2025 4:35:00 PM

NOTES:
Pressurized with N2.

Client: **GeoEngineers**
WorkOrder: 2505259
Project: 701/709 South Jackson

Client Sample ID: Trip Blank
Lab ID: 2505259-001A
Sample Type: Summa Canister

Date Sampled: 5/12/2025
Date Received: 5/13/2025

Analyte	Concentration		Reporting Limit		Qual	Method	Date/Analyst	
VOCs and APH by EPA Method TO-15/MA APH								
	(ppbv)	(ug/m³)	(ppbv)	(ug/m³)				
Aliphatic Hydrocarbon (EC5-8)	<7.50	<28.5	7.50	28.5		EPA-TO-15	05/18/2025	LB
Aliphatic Hydrocarbon (EC9-12)	<5.00	<29.4	5.00	29.4		EPA-TO-15	05/18/2025	LB
Aromatic Hydrocarbon (EC9-10)	<1.50	<7.55	1.50	7.55		EPA-TO-15	05/18/2025	LB
Surr: 4-Bromofluorobenzene	94.1 %Rec	--	70-130	--		EPA-TO-15	05/18/2025	LB
Volatile Organic Compounds by EPA TO-15								
	(ppbv)	(ug/m³)	(ppbv)	(ug/m³)				
Benzene	<0.0400	<0.128	0.0400	0.128		EPA-TO-15	05/18/2025	LB
Ethylbenzene	<2.00	<8.68	2.00	8.68		EPA-TO-15	05/18/2025	LB
m,p-Xylene	<4.00	<17.4	4.00	17.4		EPA-TO-15	05/18/2025	LB
Naphthalene	0.412	2.16	0.0560	0.294		EPA-TO-15	05/18/2025	LB
o-Xylene	<2.00	<8.68	2.00	8.68		EPA-TO-15	05/18/2025	LB
Toluene	<2.00	<7.54	2.00	7.54		EPA-TO-15	05/18/2025	LB
Surr: 4-Bromofluorobenzene	91.0 %Rec	--	70-130	--		EPA-TO-15	05/18/2025	LB

Client: **GeoEngineers**
WorkOrder: 2505259
Project: 701/709 South Jackson

Client Sample ID: VP-2-051225
Lab ID: 2505259-002A
Sample Type: Summa Canister

Date Sampled: 5/12/2025
Date Received: 5/13/2025

Analyte	Concentration		Reporting Limit		Qual	Method	Date/Analyst	
VOCs and APH by EPA Method TO-15/MA APH								
	(ppbv)	(ug/m³)	(ppbv)	(ug/m³)				
Aliphatic Hydrocarbon (EC5-8)	16.2	61.7	7.50	28.5		EPA-TO-15	05/18/2025	LB
Aliphatic Hydrocarbon (EC9-12)	20.5	121	5.00	29.4		EPA-TO-15	05/18/2025	LB
Aromatic Hydrocarbon (EC9-10)	<1.50	<7.55	1.50	7.55		EPA-TO-15	05/18/2025	LB
Surr: 4-Bromofluorobenzene	94.2 %Rec	--	70-130	--		EPA-TO-15	05/18/2025	LB
Volatile Organic Compounds by EPA TO-15								
	(ppbv)	(ug/m³)	(ppbv)	(ug/m³)				
Benzene	0.324	1.03	0.0400	0.128		EPA-TO-15	05/18/2025	LB
Ethylbenzene	<2.00	<8.68	2.00	8.68		EPA-TO-15	05/18/2025	LB
m,p-Xylene	<4.00	<17.4	4.00	17.4		EPA-TO-15	05/18/2025	LB
Naphthalene	<0.0560	<0.294	0.0560	0.294		EPA-TO-15	05/18/2025	LB
o-Xylene	<2.00	<8.68	2.00	8.68		EPA-TO-15	05/18/2025	LB
Toluene	<2.00	<7.54	2.00	7.54		EPA-TO-15	05/18/2025	LB
Surr: 4-Bromofluorobenzene	91.2 %Rec	--	70-130	--		EPA-TO-15	05/18/2025	LB

Work Order: 2505259
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

VOCs and APH by EPA Method TO-15/MA APH

Sample ID: **LCS-R99850**	SampType: **LCS**	Units: **ppbv**	Prep Date: **5/17/2025**	RunNo: **99850**
Client ID: **LCSW**	Batch ID: **R99850**		Analysis Date: **5/17/2025**	SeqNo: **2079618**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (EC5-8)	12.3	7.50	12.00	0	102	70	130				
Aliphatic Hydrocarbon (EC9-12)	12.5	5.00	12.00	0	104	70	130				
Aromatic Hydrocarbon (EC9-10)	10.1	1.50	10.00	0	101	70	130				
Surr: 4-Bromofluorobenzene	4.92		5.000		98.4	70	130				

Sample ID: **MB-R99850**	SampType: **MBLK**	Units: **ppbv**	Prep Date: **5/17/2025**	RunNo: **99850**
Client ID: **MBLKW**	Batch ID: **R99850**		Analysis Date: **5/17/2025**	SeqNo: **2079619**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (EC5-8)	ND	7.50									
Aliphatic Hydrocarbon (EC9-12)	ND	5.00									
Aromatic Hydrocarbon (EC9-10)	ND	1.50									
Surr: 4-Bromofluorobenzene	4.52		5.000		90.4	70	130				

Sample ID: **2505259-002AREP**	SampType: **REP**	Units: **ppbv**	Prep Date: **5/18/2025**	RunNo: **99850**
Client ID: **VP-2-051225**	Batch ID: **R99850**		Analysis Date: **5/18/2025**	SeqNo: **2079622**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (EC5-8)	16.0	7.50						16.22	1.31	25	
Aliphatic Hydrocarbon (EC9-12)	20.1	5.00						20.49	2.04	25	
Aromatic Hydrocarbon (EC9-10)	ND	1.50						0		25	
Surr: 4-Bromofluorobenzene	4.70		5.000		94.0	70	130		0		

Work Order: 2505259
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Helium by GC/TCD

Sample ID: **LCS-R99857**	SampType: **LCS**			Units: **%**		Prep Date: **5/19/2025**		RunNo: **99857**		
Client ID: **LCSW**	Batch ID: **R99857**					Analysis Date: **5/19/2025**		SeqNo: **2079759**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Helium	4.91	0.200	5.000	0	98.3	80	120				

Sample ID: **MB-R99857**	SampType: **MBLK**			Units: **%**		Prep Date: **5/19/2025**		RunNo: **99857**		
Client ID: **MBLKW**	Batch ID: **R99857**					Analysis Date: **5/19/2025**		SeqNo: **2079760**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Helium	ND	0.200									

Sample ID: **2505217-001AREP**	SampType: **REP**			Units: **%**		Prep Date: **5/19/2025**		RunNo: **99857**		
Client ID: **BATCH**	Batch ID: **R99857**					Analysis Date: **5/19/2025**		SeqNo: **2079750**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Helium	ND	0.300						0		30	D

NOTES:
Pressurized with N2.

Work Order: 2505259
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Volatile Organic Compounds by EPA TO-15

Sample ID: **LCS-R99846**	SampType: **LCS**	Units: **ppbv**	Prep Date: **5/17/2025**	RunNo: **99846**
Client ID: **LCSW**	Batch ID: **R99846**		Analysis Date: **5/17/2025**	SeqNo: **2079549**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.99	0.0100	2.000	0	99.7	70	130				
Toluene	1.87	0.500	2.000	0	93.4	70	130				
Ethylbenzene	1.83	0.500	2.000	0	91.5	70	130				
m,p-Xylene	3.57	1.00	4.000	0	89.3	70	130				
o-Xylene	1.83	0.500	2.000	0	91.4	70	130				
Naphthalene	1.83	0.0140	2.000	0	91.5	70	130				
Surr: 4-Bromofluorobenzene	5.21		5.000		104	70	130				

Sample ID: **MB-R99846**	SampType: **MBLK**	Units: **ppbv**	Prep Date: **5/17/2025**	RunNo: **99846**
Client ID: **MBLKW**	Batch ID: **R99846**		Analysis Date: **5/17/2025**	SeqNo: **2079570**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0100									
Toluene	ND	0.500									
Ethylbenzene	ND	0.500									
m,p-Xylene	ND	1.00									
o-Xylene	ND	0.500									
Naphthalene	ND	0.0140									
Surr: 4-Bromofluorobenzene	4.38		5.000		87.5	70	130				

Sample ID: **2505259-002AREP**	SampType: **REP**	Units: **ppbv**	Prep Date: **5/18/2025**	RunNo: **99846**
Client ID: **VP-2-051225**	Batch ID: **R99846**		Analysis Date: **5/18/2025**	SeqNo: **2079558**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.331	0.0400						0.3240	2.20	25	
Toluene	ND	2.00						0		25	
Ethylbenzene	ND	2.00						0		25	
m,p-Xylene	ND	4.00						0		25	
o-Xylene	ND	2.00						0		25	
Naphthalene	0.0560	0.0560						0.05460	2.53	25	
Surr: 4-Bromofluorobenzene	18.2		20.00		91.0	70	130		0		

Work Order: 2505259
CLIENT: GeoEngineers
Project: 701/709 South Jackson

QC SUMMARY REPORT

Volatile Organic Compounds by EPA TO-15

Sample ID: **2505259-002AREP** SampType: **REP** Units: **ppbv** Prep Date: **5/18/2025** RunNo: **99846**
Client ID: **VP-2-051225** Batch ID: **R99846** Analysis Date: **5/18/2025** SeqNo: **2079558**

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

Sample Log-In Check List

Client Name:	GEI	Work Order Number:	2505259
Logged by:	Morgan Wilson	Date Received:	5/13/2025 2:15:00 PM

Chain of Custody

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

Log In

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

Special Handling (if applicable)

16. 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:			

17. Additional remarks:

Item Information

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

Air Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical — An Alliance Technical Group Company

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

Date: 5/12/25 Page: 1 of: 1

Laboratory Project No (Internal): 2505259

Project Name: 701/709 South Jackson

Special Remarks:

Client: GeoEngineers

Project No: 24504-001-04

Address: 2101 4th Ave, Suite 950

Location: Seattle

City, State, Zip: Seattle WA

Collected by: Meg Nelson

Telephone: 2062402300

Reports to (PM): Robert Trahan

Disposal: Samples will be disposed of one week after report is submitted unless otherwise requested. ☐ Retain volume (specify above) ☐ Return to client

Email Fax: rtrahan@geoengineers.com

Email (PM): rtrahan@geoengineers.com + jfurnish@geoengineers.com

	Sample Name	Canister / Flow Reg Serial #	Sample Type (Matrix) *	Container Type **	Expected Fill Time / Flow Rate	Sample Start Date & Time	Field Initial Sample Pressure (" Hg)	Sample End Date & Time	Field Final Sample Pressure (" Hg)	Analysis: Full list VOCs TO15	Select VOCs TO15 ***	APH TO15 ★★	Siloxanes TO15	Sulfur TO15	Major Gases 3C	Helium 3C Mod	VOCs 8260	GX/BTEX 8260	Helium using ASTM D-1946	Comments
1	Trip Blank ★	4879 / FC-8		1.4L	150CC/MIN						X	X							X	★★ Petroleum equivalent carbon (EC) fractions including EC5-9 EC9-12 and EC9-10
2	VP-2-051225	4905 / FC-30	S	1.4L	150CC/MIN	5/12/25 1424	30	5/12/25 1430	5		X	X							X	
3		0389		BV																did not use
4																				★ Please fill with inert gas and analyze
5																				

* Matrix Codes: AA = Ambient Air OA = Outdoor Air IA = Indoor Air S = Subslab / Soil Gas SVE = SVE RNG = Biogas / Landfill / Digester

** Container Codes: BV = 1 Liter Bottle Vac 6L = 6L Canister 1L = 1L Canister CYL = High Pressure Cylinder F = Filter S = Sorbent Tube TB = Tedlar Bag

*** Select one: ☒ BTEXN & APH ☐ PCE & Breakdown ☐ Other, specify in comments

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.

Turn-Around Time: ☐ Standard ☐ Next Day ☐ 3 Day ☐ Same Day ☐ 2 Day ____ specify

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Meg Nelson	Meg Nelson	5/13/25 @ 700	x	Kristina Chiperi	5/13/25 10:01 AM
x			x	Nathan Keller	5/13/25 1415

Appendix C
Data Validation Reports

DATA VALIDATION REPORT

701 S JACKSON STREET

Prepared for:

GeoEngineers
17425 NE Union Hill Road, Suite 250
Redmond, WA 98052

Prepared by:

EcoChem, Inc.
500 Union Street, Suite 1010
Seattle, Washington 98101

EcoChem Project: C2221-2

September 22, 2025

Approved for Release:



Christine Ransom
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of summary validation (EPA Stage 2B) performed on soil, soil vapor, and quality control sample data for the 701 S Jackson Street project. A complete list of samples is provided in the Sample Index.

Samples were analyzed by Fremont Analytical, Seattle, Washington. The analytical methods and EcoChem project chemists are noted below:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Naphthalenes	8270E SIM	I. Hooper	C. Ransom
Air-Phase Petroleum Hydrocarbons	TO-15/APH	I. Hooper	
Gas Range Organics	NWTPH-Gx	E. Clayton	
BTEX/Volatile Organic Compounds/EDB/EDC	8260D/8260D- SIM/TO-15/8011	I. Hooper	
Diesel Range Organics	NWTPH-Dx	E. Clayton	
Helium	EPA 3C-M	I. Hooper	
Lead	SW6020B	E. Clayton	

The data were reviewed using guidance and quality control criteria documented in the analytical methods; the *Quality Assurance Project Plan, 701 South Jackson Street, Seattle Washington (*GeoEngineers July 28, 2023); *National Functional Guidelines for Organic Data Review* (USEPA 2017, 2020); and *National Functional Guidelines for Inorganic Data Review* (USEPA 2017, 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned an R, the data are to be rejected and should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions, reason codes, and validation criteria are included as APPENDIX A. A Qualified Data Summary Table is included in APPENDIX B. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
701 S Jackson St.

SDG	Sample ID	Laboratory ID	NWTPH-Dx	NWTPH-Gx	EDB	BTEX-EDC	8270E SIM Naphthalenes	TO15 BETX	APH	He	T&D Lead
2408312	GEI-11_082024	2408312-001	✓	✓	✓	✓	✓				✓
2408312	GEI-12_082024	2408312-002	✓	✓	✓	✓	✓				✓
2408312	GEI-13_082024	2408312-003	✓	✓	✓	✓	✓				✓
2408312	Dup_082024	2408312-004	✓	✓	✓	✓	✓				✓
2408312	Trip Blank	2408312-005		✓		✓					
2411552	VP-2-112624	2411552-001						✓	✓		
2411552	VP-1-112624	2411552-002						✓	✓		
2411552	Trip Blank	2411552-003						✓	✓		
2411560	GEI-11-112624	2411560-001	✓	✓	✓	✓	✓				✓
2411560	GEI-12-112624	2411560-002	✓	✓	✓	✓	✓				✓
2411560	GEI-13-112624	2411560-003	✓	✓	✓	✓	✓				✓
2411560	DUP-112624	2411560-004	✓	✓	✓	✓	✓				✓
2502393	GEI-11_022025	2502393-001	✓	✓	✓	✓	✓				✓
2502393	GEI-12_022025	2502393-002	✓	✓	✓	✓	✓				✓
2502393	GEI-13_022025	2502393-003	✓	✓	✓	✓	✓				✓
2502393	GEI-DUP_022025	2502393-004	✓	✓	✓	✓	✓				✓
2502393	Trip Blank-022025	2502393-005		✓	✓	✓					
2505258	DUP-051225	2505258-001	✓	✓	✓	✓	✓				✓
2505258	GEI-11-051225	2505258-002	✓	✓	✓	✓	✓				✓
2505258	GEI-12-051225	2505258-003	✓	✓	✓	✓	✓				✓
2505258	GEI-13-051225	2505258-004	✓	✓	✓	✓	✓				✓
2505258	Trip Blank	2505258-005		✓	✓	✓					
2505259	Trip Blank	2505259-001						✓	✓	✓	
2505259	VP-2-051225	2505259-002						✓	✓	✓	
2505366	VP-1-051925	2505366-001						✓	✓	✓	
2505366	Trip Blank	2505366-002						✓	✓	✓	

DATA VALIDATION REPORT
701 S Jackson St.
Volatile Organic Compounds (VOCs) by Methods SW8260D and SW8260D- SIM
1,2-Dibromoethane (EDB) by Method SW8011

This report documents the review of the data from the analysis of groundwater samples and the associated laboratory and field quality control (QC) samples. The samples were analyzed by Fremont Analytical, Seattle, Washington. Refer to the Sample Index for a complete list of samples.

SDG	Number of Samples	Method	Validation Level
2408312	4 Groundwater, 1 Trip Blank	SW8260D	Stage 2B
	4 Groundwater	SW8011	Stage 2B
2411560	4 Groundwater	SW8260D SIM	Stage 2B
2405258	4 Groundwater, 1 Trip Blank	SW8260D	Stage 2B
2502393	4 Groundwater, 1 Trip Blank	SW8260D	Stage 2B

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

SDG 2411560: The instrument tune summary form was missing for the ICAL analyzed 12/4/24. The laboratory was contacted and submitted the missing documentation.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100%) by comparing the EDD to the hardcopy laboratory data package. Sample results were also verified (10%).

TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

✓	Sample Preservation and Holding Times	✓	Laboratory Control Samples (LCS/LCSD)
✓	Initial Calibration (ICAL)	1	Matrix Spikes (MS)
✓	Continuing Calibration (CCAL)	✓	Laboratory Duplicates
✓	Laboratory Blanks	1	Field Duplicates
1	Field Blanks	✓	Reporting Limits
1	Surrogate Compounds	✓	Reported Results

✓Stated method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.
1 Quality control outliers are discussed below, but no data were qualified.
2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Field Blanks

SDG 2408312: One Trip Blank was submitted for BTEX analysis. No target compounds were detected.

SDG 2405258: One Trip Blank was submitted for BTEX analysis. No target compounds were detected.

SDG 2502393: One Trip Blank was submitted for BTEX analysis. No target compounds were detected.

Surrogate Compounds

SDG 2408312: The percent recovery (%R) value for the surrogate dibromofluoromethane was greater than the upper control limit in the matrix spike sample associated with batch 44941. Qualifiers are not assigned to QC samples; no action was taken.

Matrix Spikes

SDG 2408312: The matrix spike (MS) was analyzed using a Sample GEI-12_082024. The percent recovery (%) values for 1,2-dichloroethane (EDC) and toluene were greater than the upper control limits. Neither compound was detected in the parent sample; no qualifiers were assigned based on the potential high bias.

Field Duplicates

SDG 2408312: Samples GEI-13_082024 and Dup_082024 were submitted as field duplicates. No target compounds were detected in either sample. Field precision was acceptable.

SDG 2411560: Samples GEI-13-112624 and DUP-112624 were submitted as field duplicates. No target compounds were detected in either sample. Field precision was acceptable.

SDG 2505258: Samples GEI-13-051225 and DUP-051225 were submitted as field duplicates. No target compounds were detected in either sample. Field precision was acceptable.

SDG 2502393: Samples GEI-022025 and GEI-DUP-022025 were submitted as field duplicates. No target compounds were detected in either sample. Field precision was acceptable.

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory followed the specified analytical method. Accuracy was acceptable, as demonstrated by the surrogate, laboratory control sample, laboratory control sample/laboratory control sample duplicate (LCS/LCSD), and MS percent recovery values. Precision was also acceptable as demonstrated by the LCS/LCSD, laboratory duplicate, and field duplicate results.

No data were qualified for any reason. All data, as reported, are acceptable for use.

DATA VALIDATION REPORT
701 S Jackson St.
Volatile Organic Compounds (BTEX + Naphthalene) by Method TO15
Air-Phase Petroleum Hydrocarbons by Massachusetts APH and
Helium by EPA 3C-M

This report documents the review of the data from the analysis of soil vapor samples and the associated laboratory and field quality control (QC) samples. The samples were analyzed by Fremont Analytical, Seattle, Washington. Refer to the Sample Index for a complete list of samples.

SDG	Number of Samples	Validation Level
2411552	2 Soil Vapor, 1 Trip Blank (TO15 and APH only)	Stage 2B
2505259	1 Soil Vapor, 1 Trip Blank	Stage 2B
2505366	1 Soil Vapor, 1 Trip Blank	Stage 2B

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

SDG 2505259: Naphthalene was not reported on the summary form for initial calibration verification (ICV) analyzed 5/12/25 at 18:52. The result was reported in SDG 2505366. No action was taken other than to the note the omission.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100%) by comparing the EDD to the hardcopy laboratory data package. Sample results were also verified (10%).

TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

2	Sample Collection and Holding Times	2	Internal Standards
2	Initial Calibration (ICAL)	✓	Laboratory Duplicates
✓	Laboratory Blanks	1	Field Duplicates
2	Field Blanks	✓	Reporting Limits
✓	Surrogate Compounds	✓	Reported Results
✓	Laboratory Control Samples (LCS)		

✓Stated method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.
1 Quality control outliers are discussed below, but no data were qualified.
2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Collection and Holding Times

SDG 2411552: The pressure reading for the summa cannister for sample VP-1 112624 was 10" Hg vacuum. The target final pressure is 5" Hg vacuum. The chain of custody noted that the gauge was stalled at that pressure for several minutes. All results for this sample were estimated (J/UJ-1).

Initial Calibration

SDGs 2505259, 2505366: For the initial calibration verification (ICV) analyzed 5/12/25 at 18:52, the percent recovery value for naphthalene was less than the lower control limit. Naphthalene results for the associated samples were estimated (J/UJ-5CL) to indicate a potential low bias.

Field Blanks

SDG 2411552: One Trip Blank was submitted. No target compounds were detected.

SDG 2505259: One Trip Blank was submitted. Naphthalene and helium were detected in the blank. These compounds were not detected in the associated sample; qualification of data was not required.

SDG 2505366: One Trip Blank was submitted. Benzene was detected in the blank. The benzene result in the associated sample, VP-1-051925, was qualified as not detected (U-6).

Internal Standards

SDG 2411552: For the TO15 VOC analyses, the responses for the internal standards 1,4-diflourobenzene and chlorobenzene-d5 were less than the lower control limits in all samples. All BTEX/naphthalene results were estimated (J/UJ-19).

Field Duplicates

No field duplicates were submitted.

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory followed the specified analytical methods. Accuracy was acceptable, as demonstrated by the surrogate and laboratory control sample percent recovery values. Precision was also acceptable as demonstrated by the laboratory duplicate results.

One result was qualified as not detected based on field blank contamination. Data were estimated based on internal standard response outliers, ICV recovery outliers, and for a final cannister pressure that was lower than the target pressure achieved for all other samples.

All data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
701 S Jackson St.
Naphthalenes by 8270E Selective Ion Monitoring (SIM)

This report documents the review of analytical data from the analysis of groundwater samples and the associated laboratory quality control (QC) samples. Samples were analyzed by Fremont Analytical, Inc., Seattle, Washington. Refer to the Sample Index for a complete list of samples.

SDG	Number of Samples	Validation Level
2408312	4 Groundwater	Stage 2B
2411560	4 Groundwater	Stage 2B
2502393	4 Groundwater	Stage 2B
2505258	4 Groundwater	Stage 2B

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

SDG 2411560: For the ICAL analyzed 11/21/24, the instrument tune summary form was missing. The laboratory was contacted and submitted the missing documentation.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100%) by comparing the EDD to the hardcopy laboratory data package. Sample results were also verified (10%).

TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

✓	Sample Receipt, Preservation, and Holding Times	✓	Laboratory Duplicates
✓	GC/MS Instrument Performance (Tune)	1	Matrix Spike/Matrix Spike Duplicates (MS/MSD)
✓	Initial Calibration (ICAL)	✓	Internal Standards
1	Continuing Calibration (CCAL)	1	Field Duplicates
✓	Laboratory Blanks	✓	Target Analyte List
1	Field Blanks	✓	Reporting Limits
✓	Surrogate Compounds	✓	Reported Results
✓	Laboratory Control Samples (LCS/LCSD)	✓	Compound Identification

✓ Stated method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.
1 Quality control outliers are discussed below, but no data were qualified.
2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Continuing Calibration

A continuing calibration verification (CCAL) standard was analyzed at the required frequency. With the noted exceptions, the percent drift (%D) values were within the criteria of ±20%.

SDG 2505258: For the CCAL analyzed on 5/16/25 at 11:54, the %D value for terphenyl-d14 was greater than the upper control limit. No qualifiers are assigned to laboratory QC samples; no action was taken.

Field Blanks

No field blanks were submitted.

Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicates were not analyzed. Laboratory accuracy and precision were evaluated using the laboratory control sample/laboratory control sample duplicate (LCS/LCSD), surrogate, and laboratory duplicate results.

Field Duplicates

SDG 2408312: Samples GEI-13_082024 and Dup_082024 were submitted as field duplicates. No target compounds were detected in either sample. Field precision was acceptable.

SDG 2411560: Samples GEI-13-112624 and DUP-112624 were submitted as field duplicates. No target compounds were detected in either sample. Field precision was acceptable.

SDG 2502393: Samples GEI-13-112624 and DUP-112624 were submitted as field duplicates. No target compounds were detected in either sample. Field precision was acceptable.

SDG 2505258: Samples GEI-13-051225 and DUP-051225 were submitted as field duplicates. No target compounds were detected in either sample. Field precision was acceptable.

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory followed the specified analytical method. Accuracy was acceptable as demonstrated by the surrogate and LCS/LCSD percent recovery values and precision was acceptable as demonstrated by the laboratory duplicate and field duplicate results.

No data were qualified for any reason. All data, as reported, are acceptable for use.

DATA VALIDATION REPORT
701 S Jackson St.
Gasoline Range Hydrocarbons by Method NWTPH-Gx

This report documents the review of the data from the analysis of groundwater samples and the associated laboratory and field quality control (QC) samples. The samples were analyzed by Alliance Technical Group, Seattle, Washington. Refer to the Sample Index for a complete list of samples.

SDG	Number of Samples	Validation Level
2408312	4 Groundwater & 1 Trip Blank	EPA Stage 2B
2411560	4 Groundwater	EPA Stage 2B
2505258	4 Groundwater & 1 Trip Blank	EPA Stage 2B
2502393	4 Groundwater & 1 Trip Blank	EPA Stage 2B

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100%) by comparing the EDD to the hardcopy laboratory data package. Sample results were also verified (10%).

TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

✓	Sample Preservation and Holding Times	✓	Laboratory Control Samples (LCS/LCSD)
✓	Initial Calibration (ICAL)	1	Matrix Spikes (MS)
✓	Continuing Calibration (CCAL)	1	Laboratory Duplicates
✓	Laboratory Blanks	1	Field Duplicates
1	Field Blanks	✓	Reporting Limits
✓	Surrogate Compounds	✓	Reported Results

✓Stated method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.
1 Quality control outliers are discussed below, but no data were qualified.
2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Field Blanks

SDG 2408312: One trip blank was submitted. GRO was not detected in this blank.

SDG 2505258: One trip blank was submitted. GRO was not detected in this blank.

SDG 2502393: One trip blank was submitted. GRO was not detected in this blank.

Matrix Spikes/Matrix Spike Duplicates

SDG 2408312, 2502393: No matrix spike/matrix spike duplicates (MS/MSD) were analyzed for these SDGs. Accuracy was evaluated using the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) and surrogate recovery values.

Laboratory Duplicates

SDG 2408312: No laboratory duplicate analyses were performed. Precision was evaluated using the LCS/LCSD and field duplicate analyses.

Field Duplicates

A control limit of 35% was used to evaluate the field duplicate relative percent difference (RPD) for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the difference between the sample and duplicate must be less than 1x the RL.

SDG 2408312: Samples GEI-13_082024 and Dup_082024 were submitted as field duplicates. All acceptance criteria were met.

SDG 2511560: Samples GEI-13-112624 and DUP-112624 were submitted as field duplicates. All acceptance criteria were met.

SDG 2502393: Samples GEI-13_022025 and GEI-DUP_022025 were submitted as field duplicates. All acceptance criteria were met.

SDG 2505258: Samples GEI-13-051225 and DUP-051225 were submitted as field duplicates. All acceptance criteria were met.

Overall Assessment

As determined by this evaluation, the laboratory followed the specified analytical method. Accuracy was acceptable, as demonstrated by the surrogate, LCS/LCSD, and MS percent recovery values. Precision was also acceptable as demonstrated by the LCS/LCSD, laboratory duplicate, and field duplicate RPD values.

No data were qualified for any reason. All data, as reported, are acceptable for use.

DATA VALIDATION REPORT
701 S Jackson St.
Diesel Range Hydrocarbons and Heavy Oil by Method NWTPH-Dx

This report documents the review of the data from the analysis of groundwater samples and the associated laboratory and field quality control (QC) samples. The samples were analyzed by Alliance Technical Group, Seattle, Washington. Refer to the Sample Index for a complete list of samples.

SDG	Number of Samples	Validation Level
2408312	4 Groundwater	EPA Stage 2B
2411560	4 Groundwater	EPA Stage 2B
2505258	4 Groundwater	EPA Stage 2B
2502393	4 Groundwater	EPA Stage 2B

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100%) by comparing the EDD to the hardcopy laboratory data package. Sample results were also verified (10%).

TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

✓	Sample Preservation and Holding Times	✓	Laboratory Control Samples (LCS/LCSD)
✓	Initial Calibration (ICAL)	1	Matrix Spikes/Matrix Spike Duplicates
✓	Continuing Calibration (CCAL)	2	Field Duplicates
✓	Laboratory Blanks	✓	Reporting Limits
1	Field Blanks	✓	Reported Results
✓	Surrogate Compounds		

✓Stated method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.
1 Quality control outliers are discussed below, but no data were qualified.
2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Field Blanks

No field blanks were submitted.

Matrix Spikes/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate (MS/MSD) analyses were not performed. Precision and accuracy were evaluated using the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) and surrogate results.

Field Duplicates

A control limit of 35% was used to evaluate the field duplicate relative percent difference (RPD) when results are greater than 5x the reporting limit (RL). For results less than 5x the RL, the difference between the sample and duplicate must be less than the RL.

SDG 2408312: Samples GEI-13_082024 and Dup_082024 were submitted as field duplicates. All acceptance criteria were met.

SDG 2511560: Samples GEI-13-112624 and DUP-112624 were submitted as field duplicates. All acceptance criteria were met.

SDG 2505258: Samples GEI-13-051225 and DUP-051225 were submitted as field duplicates. All acceptance criteria were met.

SDG 2502393: Samples GEI-13_022025 and GEI-DUP_022025 were submitted as field duplicates. The difference value for diesel range organics was greater than the control limit; the parent and field duplicate results were estimated (J-9B).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory followed the specified analytical method. With the exceptions noted above, accuracy was acceptable as demonstrated by the surrogate and LCS/LCSD percent recovery values and precision was acceptable as demonstrated by the LCS/LCSD and field duplicate RPD values.

Data were estimated based on a field duplicate precision outlier.

All data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
701 S Jackson St.
Total/Dissolved Lead by Method SW6020B

This report documents the review of analytical data from the analysis of groundwater samples and the associated laboratory and field quality control (QC) samples. Samples were analyzed by Alliance Technical Group, Seattle, Washington. Refer to the Sample Index for a complete list of samples.

SDG	Number of Samples	Validation Level
2408312	4 Groundwater	Stage 2B
2411560	4 Groundwater	Stage 2B
2505258	4 Groundwater	Stage 2B
2502393	4 Groundwater	Stage 2B

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

Sample results and related quality control data were received as an electronic data deliverable (EDD) and laboratory report. The EDD was verified against the laboratory report (10%).

SDG 2408312: The interference check standard summary was missing from the laboratory report. The laboratory was contacted and submitted the missing documentation.

TECHNICAL DATA VALIDATION

This report documents the review of analytical QC requirements as listed in the following table.

✓	Sample Receipt, Preservation, & Holding Times	1	Laboratory Duplicates
✓	Initial Calibration	✓	Serial Dilutions
✓	Calibration Verification	✓	Interference Check Samples
✓	Reporting Limit Standards	✓	Internal Standards
✓	Laboratory Blanks	1	Field Duplicates
1	Field Blanks	1	Reporting Limits
✓	Laboratory Control Samples (LCS)	✓	Reported Results
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)		

✓Stated method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed
1 Quality control outliers are discussed below, but no data were qualified.
2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Field Blanks

No field blanks were submitted.

Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate samples (MS/MSD) were analyzed at the proper frequency of one per 20 samples or one per batch for soil samples. If the percent recovery values indicate a potential low bias, associated results are estimated (J/UJ-8L). If the %R values indicate a potential high bias, only the associated positive results are estimated (J-8H). For %R values less than 30%, indicating an extreme low bias, the results for the post digestion spike (PDS) were also evaluated. If the post spike %R values were acceptable, then associated results were estimated (J/UJ-8). For relative percent difference (RPD) values greater than the control limit of 20%, associated positive results were estimated (J-9).

SDG 2511560: A batch QC sample was used for the MS/MSD analyses. The MSD recovey for lead was less than the lower control limit, but was in control in the MS sample; no data were qualified for a single %R outlier. The RPD value for lead was greater than the control limit; all associated sample results were estimated (J/UJ-9A).

Laboratory Duplicates

One sample from each laboratory batch was extracted and analyzed in duplicate. Relative percent difference (RPD) values were calculated for detected analytes where results are greater than five times the method detection limit (MDL). With the exception noted below, all RPD values were less than the 20% control limit.

SDG 2511560, 2505258: No laboratory duplicates were analyzed. Precision was evaluated from the MS/MSD and field duplicate precision evaluation.

Field Duplicates

A control limit of 35% was used to evaluate the field duplicate RPD for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the difference between the sample and duplicate must be less than the RL.

SDG 2408312: Samples GEI-13_082024 and Dup_082024 were submitted as field duplicates. All acceptance criteria were met.

SDG 2511560: Samples GEI-13-112624 and DUP-112624 were submitted as field duplicates. All acceptance criteria were met.

SDG 2502393: Samples GEI-13_022025 and GEI-DUP_022025 were submitted as field duplicates. All acceptance criteria were met.

SDG 2505258: Samples GEI-13-051225 and DUP-051225 were submitted as field duplicates. All acceptance criteria were met.

Reporting Limits

All reporting limits for lead exceeded the QAPP-defined reporting limit of 0.1 µg/L at 0.3 µg/L.

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory followed the specified analytical methods. With the exception noted above, accuracy was acceptable as demonstrated by the laboratory control sample and MS/MSD recoveries and precision was acceptable as demonstrated by the MS/MSD and field duplicate RPD values.

Results were estimated due to an MS/MSD precision outlier.

All data, as qualified, are acceptable for use.

ECOCHEM
Data Quality

APPENDIX A

DATA QUALIFIER DEFINITIONS
REASON CODES
AND CRITERIA TABLES

DATA VALIDATION QUALIFIER CODES
Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.

DATA QUALIFIER REASON CODES

Group	Code	Reason for Qualification
Sample Handling	1	Improper Sample Handling or Sample Preservation (i.e., headspace, cooler temperature, pH, summa canister pressure); Exceeded Holding Times
Instrument Performance	24	Instrument Performance (i.e., tune, resolution, retention time window, endrin breakdown, lock-mass)
	5A	Initial Calibration (RF, %RSD, r^2)
	5B	Calibration Verification (CCV, CCAL; RF, %D, %R) Use bias flags (H,L)[1] where appropriate
	5C	Initial Calibration Verification (ICV %D, %R) Use bias flags (H,L)[1] where appropriate
Blank Contamination	6	Field Blank Contamination (Equipment Rinsate, Trip Blank, etc.)
	7	Lab Blank Contamination (i.e., method blank, instrument blank, etc.) Use low bias flag (L)[1] for negative instrument blanks
Precision and Accuracy	8	Matrix Spike (MS and/or MSD) Recoveries Use bias flags (H,L)[1] where appropriate
	9A	Precision (Lab QC replicates: LCS/LCSD, MS/MSD, Lab Replicate)
	9B	Precision (Field QC replicates)
	10	Laboratory Control Sample Recoveries (a.k.a. Blank Spikes) Use bias flags (H,L)[1] where appropriate
	12	Reference Material Use bias flags (H,L)[1] where appropriate
	13	Surrogate Spike Recoveries (a.k.a. labeled compounds, recovery standards) Use bias flags (H,L)[1] where appropriate
Interferences	16	ICP/ICP-MS Serial Dilution Percent Difference
	17	ICP/ICP-MS Interference Check Standard Recovery Use bias flags (H,L)[1] where appropriate
	19	Internal Standard Performance (i.e., area, retention time, recovery)
	22	Elevated Detection Limit due to Interference (i.e., chemical and/or matrix)
	23	Bias from Matrix Interference (i.e. diphenyl ether, PCB/pesticides)
Identification and Quantitation	2	Chromatographic pattern in sample does not match pattern of calibration standard
	3	2nd column confirmation (RPD or %D)
	4	Tentatively Identified Compound (TIC) (associated with NJ only)
	20	Calibration Range or Linear Range Exceeded
	25	Compound Identification (i.e., ion ratio, retention time, relative abundance, etc.)
	27	Alkylated PAH compound not calibrated (C1-C4 homologs) - calculated using response from parent compounds
	28	Multiple PCB Aroclors reported in sample (overlapping patterns)
Miscellaneous	11	A more appropriate result is reported (multiple reported analyses i.e., dilutions, re-extractions, etc. Associated with "R" and "DNR" only)
	14	Other (See DV report for details)

[1] H = high bias indicated
L = low bias indicated

Volatile Organic Compounds by Gas Chromatography-Mass Spectroscopy (GC-MS)
(Organic NFG 2017/2020 and SW-846 Method 8260D)

QC Element	Acceptance Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
For all QC Elements, project limits from QAPP/SAP/Work Plan may supersede method limits described in this criteria table.				
Sample Handling				
Cooler/Storage Temperature Preservation	≤ 6°C Aqueous: HCl to pH < 2 Soil/Sed: possible preservation MeOH or sodium bisulfate	If PJ is to qualify: J (pos)/UJ (ND)	1	Use **PJ** for temp outliers; see **TM-20** If pH ≤ 2, reject 2-chloroethyl vinyl ether ND (R-1) If pH >2, use 7-day holding time
Holding Time	Aqueous: 14 Days: preserved; 7 Days: unpreserved Solid: 14 Days	J (pos)/UJ (ND) if HT exceeded J (pos)/R (ND) if gross exceedance (> 2x HT)	1	Alert PM for gross exceedance situation
Instrument Performance				
Tuning	BFB Prior to ICAL Use Table 3 of method or instrument manufacturer's acceptance criteria (not required at start of 12 hour sequence if CCV acceptable)	R (pos/ND) all analytes in all samples if tune not analyzed Use PJ if ion ratio criteria not met	24	
Initial Calibration **Sensitivity**	Minimum 5 standards RRF ≥ 0.05 except: RRF ≥ 0.01 poor responders *	Use **PJ** to qualify J (pos)/UJ (ND)	5A	**TM-06** EcoChem Policy for the Evaluation and Qualification of GCMS Instrument Performance **PJ** - no action if response is stable (ICAL RSD and CCAL %D acceptable)
Initial Calibration **Stability**	%RSD ≤ 20% If %RSD > 20%, linear or quadratic regression model: R≥0.995, R^2≥0.99	J (pos) if %RSD > limit	5A	
Initial Calibration Verification	Second source analyzed immediately after ICAL %R 70% - 130%	J (pos) %R > UCL J (pos)/UJ (ND) %R < LCL	5C (H,L)[1]	QAPP may have overriding accuracy limits.
Continuing Calibration **Sensitivity**	RRF ≥ 0.05 except: RRF ≥ 0.01 poor responders *	Use **PJ** to qualify J (pos)/UJ (ND)	5B	see ICAL RRF guidance
Continuing Calibration **Stability**	%D ≤ 20%	J (pos) - %D outside control limit and high bias J (pos)/UJ (ND) - %D outside control limit and low bias	5B (H,L)[1]	QAPP may have overriding limits. Evaluate RRF or concentration to determine bias. NFG says to UJ ND regardless of bias (bias not addressed)

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Volatile Organic Compounds by Gas Chromatography-Mass Spectroscopy (GC-MS)
(Organic NFG 2017/2020 and SW-846 Method 8260D)

QC Element	Acceptance Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Instrument Performance (continued)				
Internal Standards	Added to all samples Acceptable Range: IS area 50% to 200% of CCAL area RT within 30 seconds of CC RT	J (pos) if > 200% J (pos)/UJ (ND) if < 50% J (pos)/R (ND) if < 25% if RT >30 seconds use **PJ**	19	Qualify compounds quantified using particular internal standard
Blank Contamination				
Method Blank (MB)	MB: One per matrix per batch (of ≤ 20 samples)	If sample result < RL U(pos) if sample result is < 5x blank conc If sample result > RL U(pos) if result is < 2x blank conc J(pos) if result is > 2x blank conc but ≤ 5x blank conc R(pos) TIC using 10x rule	7 or 7H	If blank is >RL and samples not >10X blank or ND, lab should re-analyze. Alert PM if MB > RL and lab did not perform necessary re-extraction. PJ for common lab contaminants, especially for method blank associated with field blanks (see TM-15): methylene chloride, acetone, & 2-butanone. Use either U-7 or J-7H / U-6 or J-6H **Hierarchy of blank review:** **#1 - Review MB, qualify as needed** **#2 - Review TB, qualify as needed** **#3 - Review FB , qualify as needed** **FB may need to be converted to same units as field samples**
Trip Blank (TB)	No detected compounds > MDL		6 or 6H	
Field Blank (FB)	No detected compounds > MDL			
Precision and Accuracy				
Surrogates	Added to all samples Within method/laboratory control limits	J (pos) if %R >UCL J (pos)/UJ (ND) if %R <LCL J (pos)/R (ND) if <10%	13 (H,L)[1]	No action if there are 3+ surrogates and only 1 outlier Qualify all compounds if qualification is required. QAPP may have overriding accuracy limits
LCS/LCSD (recovery)	One per matrix per batch (of ≤ 20 samples) LCSD not required by NFG or method Use method acceptance criteria/laboratory limits	J (pos) if %R > UCL J (pos)/UJ (ND) if %R < LCL J (pos)/R (ND) if %R < 10%	10 (H,L)[1]	If LCS/LCSD analyzed, qualify if only one %R is outside control limits. PJ: if UCL is < 100% and %R is > UCL but less than 100%, don't qualify for high bias. If LCL is 10%; J(pos)/UJ(ND) for %R = 5% - 10% QAPP may have overriding accuracy limits. Qualify all samples in batch

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Volatile Organic Compounds by Gas Chromatography-Mass Spectroscopy (GC-MS)
(Organic NFG 2017/2020 and SW-846 Method 8260D)

QC Element	Acceptance Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Precision and Accuracy (continued				
LCS/LCSD RPD	If LCSD analyzed RPD < lab limits	J (pos)	9A	Qualify all samples in batch. QAPP may have overriding precision limits.
Reference Material (RM, SRM, or CRM)	EcoChem Default: Result ±20% of the 95% confidence interval of the true value (NIST SRM) or within manufacturers specified limits (other RMs)	J (pos)/UJ (ND) if < LCL J (pos) if > UCL	12 (H,L)[1]	QAPP may have overriding accuracy limits. Some manufacturers may have different RM control limits
MS/MSD (recovery)	One per matrix per batch (of ≤ 20 samples) Use method acceptance criteria/laboratory limits	J (pos) %R > UCL J (pos)/UJ (ND) if both %R < LCL J (pos)/R (ND) if both %R < 10% J (pos)/UJ (ND) if one > UCL & one < LCL, with no bias	8 (H,L)[1]	No action if only one spike %R is outside criteria, unless one is <10%. (if one is < 10%, J(pos)/UJ(ND)) If LCL is 10%; J(pos)/UJ(ND) for %R = 5% - 10% No action if parent concentration is >4x the amount spiked. Qualify parent sample only. QAPP may have overriding accuracy limits.
MS/MSD (RPD)	One per matrix per batch (of ≤ 20 samples) Use method acceptance criteria/laboratory limits	J (pos) If RPD > control limit	9A	Qualify parent sample only. QAPP may have overriding precision control limits. RPD is still evaluated, even if sample > 4x spike added.
Field Duplicates	Solids: RPD < 50% OR difference < 2X RL (for results < 5X RL) Aqueous: RPD < 35% OR difference < 1X RL (for results < 5X RL)	J (pos)/UJ (ND) Qualify only parent and field duplicate samples	9B	See **TM-24** QAPP may have overriding limits. Use MDL for ND (rather than zero) when calculating difference. NFG does not have requirements for field duplicate evaluation.
Compound Identification and Quantitation				
Retention Time Relative Ion Intensities	RRT within 0.06 of standard RRT or RT drift within ± 10 seconds. Ion relative intensity within 30% of standard.	U (pos) if identification criteria not met	25	
TICs	Major ions (>10%) in reference must be present in sample; intensities agree within 20%; check identification	NJ TIC R (pos) if common laboratory contaminants	4	Common laboratory contaminants: aldol condensation products, solvent preservatives, and reagent contaminants.

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Volatile Organic Compounds by Gas Chromatography-Mass Spectroscopy (GC-MS)
(Organic NFG 2017/2020 and SW-846 Method 8260D)

QC Element	Acceptance Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Compound Identification and Quantitation (continued)				
Calibration Range	Results greater than highest calibration standard	Qualify J (pos)	20	If result from dilution analysis is not reported.
Dilutions, Re-extractions and/or Reanalyses	Report only one result per analyte	Use "DNR" to flag results that will not be reported.	11	**TM-04** EcoChem Policy for Rejection/ Selection Process for Multiple Results Note: If result is DNR-flagged for specific QC issue, use reason code for that issue

National Functional Guidelines for Organic Superfund Methods Data Review, January 2017
National Functional Guidelines for Organic Superfund Methods Data Review, November 2020
Method SW846 8260D Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS), Revision 4, June 2018.
[1]NFG suggests using "+ / -" to indicate bias; EcoChem has chosen "H" = high bias indicated; "L" = low bias indicated.

(pos): Positive Result(s)
(ND): Non-detects

* Common "Poor Responder" compounds include acetone, bromomethane, 2-butanone, chloroethane, chloromethane, cyclohexane, 1,2-dibromo-3-chloropropane, dichlorodifluoromethane, 2-hexanone, methyl acetate, 4-methyl-2-pentanone, methylene chloride, trichlorofluoromethane, vinyl chloride. See method for additional poor responders that are not typically included in a standard TCL.

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Volatile Organics in Air by GCMS and GCMS-SIM, Method TO-15

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Sample Handling					
Cooler/Storage Temperature Preservation	SUMMA Canister - no preservation requirements				
SUMMA Canister Pressure	Pressure of Canister upon receipt at lab should be between 5-10 inches of Hg or greater of vacuum	Method [1,2]	If vacuum is > 8 inch Hg or < 1 inch Hg, note in report.	1	Professional judgment
Holding Time	30 days from collection to analysis	Method [1]	J(pos)/UJ(ND) if HT exceeded J(pos)/R(ND) if gross exceedance (> 2X HT)	1	Gross exceedance = > 2X HT, as per 1999 NFG
Instrument Performance					
Tuning	BFB Beginning of each 24 hour period Use method acceptance criteria (**Table 3**)	Method [1]	R(pos/ND) all analytes in all samples associated with the tune	5A	every 24 hours or every 20 samples (Section 10.4.2 of method)
Initial Calibration (Minimum 5 stds.) **Sensitivity**	RRF ≥ 0.05 Note: not discussed in method. Default to NFG criteria.	NFG [3]	J(pos)/R(ND) if RRF/RF is less than criterion		**TM-06** EcoChem Policy for the Evaluation and Qualification of GCMS Instrument Performance
Initial Calibration (Minimum 5 stds.) **Stability**	%RSD ≤ 30% with up to 2 compounds max 40%; **OR** Linear r ≥ 0.995 or r^2 ≥ 0.990 (6 points must be used) (NFG optional criteria)	Method [1] NFG [3]	J(pos) if %RSD > 30% **OR** r/r2-value <0.995 (or 0.990)		
Initial Calibration Verification (ICV) **Stability**	Not required by method. Standard from independent source Analyzed immediately after ICAL If analyzed, use lab or QAPP limits		J(pos) if high bias J(pos)/UJ(ND) if low bias J(pos)/R(ND) if significant low bias		
Continuing Calibration (Prior to each 24 hr. shift) **Sensitivity**	RRF ≥ 0.05 Note: not discussed in method. Default to NFG criteria.	NFG [3]	J(pos)/R(ND) if RRF/RF is less than criterion	5B	
Continuing Calibration (Prior to each 24 hr. shift) **Stability**	%Drift ≤ 30%	Method [1]	If > +/- 70%: J(pos)/R(ND) If -69% to -31%: J(pos) (high bias) If 31% to 69%: J(pos)/UJ(ND) (low bias)	5B (H,L)[4]	

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Volatile Organics in Air by GCMS and GCMS-SIM, Method TO-15

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Blank Contamination					
Method Blank (MB)	MB: One per batch of (of ≤ 20 samples) No detected compounds > MDL	Method [1] NFG [3]	U(pos) if result is < 5X or 10X action level, as per analyte.	7	10X action level for methylene chloride, acetone, & 2-butanone. 5X for all other target analytes **Hierarchy of blank review:** **#1 - Review MB, qualify as needed** **#2 - Review FB , qualify as needed**
	No TICs present		R(pos) TICs using 10X rule		
Field Blank (FB)	FB: frequency as per QAPP No detected compounds > MDL	Method [1] NFG [3]	U(pos) if result is < 5X or 10X action level, as per analyte.	6	
Precision and Accuracy					
LCS	One per lab batch (of ≤ 20 samples) Note: not discussed in method. Default to lab or QAPP limits.	NFG [3]	Qualify all associated samples J(pos) if %R > UCL - high bias J(pos)/UJ(ND) if both %R < LCL - low bias J(pos)/R(ND) if both %R < 10% - very low bias J(pos)/UJ(ND) if one > UCL & one < LCL, with no bias	10 (H,L)[4]	No action if only one spike %R is outside criteria, when LCSD is analyzed. Qualify all associated samples.
LCS/LCSD (RPD)	if analyzed RPD ≤ 30%	NFG [3]	J(pos) assoc. cmpd. in all samples	9	Qualify all associated samples.
Surrogates	Note: not discussed in method. Default to lab or QAPP limits.	NFG [3]	J(pos) if %R >UCL - high bias J(pos)/UJ(ND) if %R <LCL - low bias J(pos)/R(ND) if <10% - very low bias	13 (H,L)[4]	Note: No action if there are 4+ surrogates and only 1 outlier.
Internal Standards	Added to all samples Acceptable Range: IS area ±40% of CCAL area RT within 20 seconds of mean RT over ICAL range RT within 0.33 minutes of CC RT	Method [1] NFG [3]	J(pos) if > 140% J(pos)/UJ(ND) if < 60% J(pos)/R(ND) if < 25% RT > 0.33 mins, narrate and notify PM	19	
Field Duplicates	RPD ≤ 25% OR difference < 1X RL (for results < 5X RL)	Method [1] EcoChem standard policy	Narrate and qualify if required by project **(EcoChem PJ)** Qualify only field duplicate samples J(pos)/UJ(ND)	9	
Compound ID and Calculation					
Quantitation/ Identification	RRT within 0.06 of standard RRT Ion relative intensity within 20% of standard All ions in std. at > 10% intensity must be present in sample	Method [1] NFG [3]	**See Technical Director if outliers are found**	14 25 (false pos)	
TICs	Major ions (>10%) in reference must be present in sample; intensities agree within 20%; check identification	Method [1] NFG [3]	NJ the TIC unless: R(pos) common laboratory contaminants **See Technical Director for ID issues**	4	Common laboratory contaminants: aldol condensation products, solvent preservatives, and reagent contaminants
Calibration Range	Results exceed the upper calibration range	EcoChem standard policy	Qualify J(pos)	20	If result from dilution analysis is not reported.
Calculation Check	Check 10% of field & QC sample results	EcoChem standard policy	Contact laboratory for resolution and/or corrective action	na	Full data validation only.

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Volatile Organics in Air by GCMS and GCMS-SIM, Method TO-15

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Electronic Data Deliverable (EDD)					
Verification of EDD to hardcopy data	EcoChem verify @ 10% unless problems noted; then increase level up to 100% for next several packages.	EcoChem standard policy	Depending on scope of problem, correct at EcoChem (minor issues) to resubmittal by laboratory (major issues).	na	EcoChem Project Manager and/or Database Administrator will work with lab to provide long-term corrective action.
Dilutions, Re-extractions and/or Reanalyses	Report only one result per analyte	EcoChem standard policy	Use "DNR" to flag results that will not be reported.	11	**TM-04 Rev. 1** EcoChem Policy for Rejection/Selection Process for Multiple Results

(pos): Positive Result(s)
(ND): Non-detects

[1] Compendium Method TO-15, Determination of Volatile Organic Compounds (VOCs) in Air Collected In Specially-Prepared Canisters And Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), Second Edition, January 1999. EPA/625/R-96/010b

[1] Supplement to EPA Compendium Method TO-15. Reduction of Method Detection Limits to Meet Vapor Intrusion Monitoring Needs. E.H. Daughtrey Jr., K.D. Oliver, H.H. Jacumin Jr., and W.A. McClenny, 2/18/2009.

[1] ASTM D1945 - 03 Standard Test Method for Analysis of Natural Gas by Gas Chromatography. January 1, 2010.

[2] Air Toxics Ltd: Guide to Air Sampling and Analysis

[3] National Functional Guidelines for Organic Data Review, June, 2008

[4] "H" = high bias indicated; "L" = low bias indicated

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Semivolatile Organic Compounds by Gas Chromatography-Mass Spectroscopy (GC-MS)
(Based on NFG 2017, 2020 and SW-846 Method 8270E)

QC Element	Acceptance Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
For all QC Elements, project limits from QAPP/SAP/ ork Plan may supersede method limits described in this criteria table.				
Sample Handling				
Cooler/Storage Temperature Preservation	≤ 6°C sediment/tissues may require storage at -20°C	If PJ is to qualify: J (pos)/UJ (ND)	1	Use PJ for temp outliers; see **TM-20** No action necessary if sample arrive at lab same day collected
Holding Time	Aqueous: Extraction 7 days from collection Solid: Extraction 14 days from collection Extraction Holding Time may be extended to 1 year for frozen sediments/tissues Analysis (all matrices): 40 days from extraction	J (pos)/UJ (ND) if HT exceeded J (pos)/R (ND) if gross exceedance (exceeded by >2x HT)	1	Alert PM for gross exceedance situation
Instrument Performance				
Tuning	DFTPP prior to ICAL, should meet criteria in Table 3 of method (not required at start of 12 hour sequence if CCV acceptable)	R (pos/ND) all analytes in all samples if tune not analyzed Use PJ if ion ratio criteria not met	24	
Initial Calibration **Sensitivity**	RRF ≥ 0.05 except: RRF ≥ 0.01 poor responders * If alt cal model used (e.g. quadratic), low std calculate to be within 50% of true value	If PJ is to qualify: J (pos)/UJ (ND)	5A	**TM-06** PJ - no action if response is stable (ICAL RSD and CCAL %D acceptable) NFG has analyte specific RFF requirements, but allows PJ for qualification, method does not specify min RRF
Initial Calibration **Stability**	Minimum 5 standards %RSD ≤ 20.0% **or** co-efficient of determination (r^2) > 0.99	J (pos) if %RSD > limit **or** r^2 value <0.99	5A	
Initial Calibration Verification Check	Prepared from second source; analyze after each ICAL Percent recovery limits = 70-130%	J (pos) %R > UCL J (pos)/UJ (ND) %R < LCL	5C (H,L)[1]	QAPP may have overriding accuracy limits.
Continuing Calibration **Sensitivity**	Prior to sample analysis and every 12 hours RRF ≥ 0.05 except: RRF ≥ 0.01 poor responders	If PJ is to qualify: J (pos)/UJ (ND)	5B	see ICAL RRF guidance NFG requires closing CCAL; evaluate if present
Continuing Calibration **Stability**	%D ≤ 20%	J (pos) - %D outside control limit and high bias J (pos)/UJ (ND) - %D outside control limit and low bias	5B (H,L)[1]	QAPP may have overriding limits. Evaluate RRF or concentration to determine bias. NFG says to UJ ND regardless of bias (bias not addressed)
Continuing Calibration **degradation**	Low level CCAL Std %D 50%-150%	J (pos) if %D > 150% J (pos)/UJ (ND) if %D < 50%	5B (H,L)[1]	NFG does not address low level CCAL
Internal Standards	Added to all samples Acceptable Range: IS area: 50% to 200% of assoc CCAL or midpoint ICAL or average ICAL RT: within 30 seconds of CC RT	J (pos) if > 200% J (pos)/UJ (ND) if < 50% J (pos)/R (ND) if < 25% If RT >30 seconds use **PJ**	19	Qualify compounds quantified using particular internal standard

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Semivolatile Organic Compounds by Gas Chromatography-Mass Spectroscopy (GC-MS)
(Based on NFG 2017, 2020 and SW-846 Method 8270E)

QC Element	Acceptance Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Blank Contamination				
Method Blank (MB)	MB: One per matrix per batch (≤ 20 samples)	If sample result < RL U(pos) if sample result is < 5x blank conc If sample result > RL U(pos) if result is < 2x blank conc J(pos) if result is > 2x blank conc but ≤ 5x blank conc R(pos) TIC using 10x rule	7 or 7H	If blank is >RL and samples not >10X blank or ND, lab should re-extract Alert PM if MB > RL and lab did not perform necessary re-extraction Use either U-7 or J-7H / U-6 or J-6H **Hierarchy of blank review:** **#1 - Review MB, qualify as needed #2 - Review FB , qualify as needed** **FB may need to be converted to same units as field samples** NFG specifies elevating to CRQL for sample results < CRQL or J results > CRQL
Field Blank (FB)	No detected compounds > MDL		6 or 6H	
Precision and Accuracy				
Surrogates	Minimum of 3 acid & 3 base/neutral (B/N) compounds added to all samples (for full TL list) Within laboratory control limits	1 outlier allowed per fraction if 3 used, If qualification needed: J (pos) if %R > UCL J (pos)/UJ (ND) if %R < LCL J (pos)/R (ND) if %R < 10%	13 (H,L)[1]	Qualify all compounds in associated fraction Do not qualify if only 1 acid and/or 1 B/N surrogate is out, unless <10%. If 1 surrogate outlier < 10% then J (pos)/R(ND) [If dilution, J(pos)/UJ(ND)] unless LCL is 10% or less, then PJ for non-detects
LCS/LCSD (recovery)	One per matrix per batch (of ≤ 20 samples) LCSD not required by NFG or method Use method acceptance criteria/laboratory limits	J (pos) if %R > UCL J (pos)/UJ (ND) if %R < LCL J (pos)/R (ND)%R < 10%	10 (H,L)[1]	If LCS/LCSD analyzed, qualify if only one %R is outside of control limits. PJ: if UCL is < 100% and %R is > UCL but less than 100%, don't qualify for high bias If LCL is 10%; J(pos)/UJ(ND) for %R = 5% - 10% QAPP may have overriding accuracy limits. Qualify all samples in extraction batch
LCS/LCSD (RPD)	If LCSD analyzed RPD < lab limits	J (pos)	9A	Qualify all samples in extraction batch. QAPP may have overriding precision limits.
MS/MSD (recovery)	Not required by method, but recommended One per matrix per batch (of ≤ 20 samples) Use laboratory limits	J (pos) %R > UCL J (pos)/UJ (ND) if both %R < LCL J (pos)/R (ND) if both %R < 10% J (pos)/UJ (ND) if one > UCL & one < LCL, with no bias	8 (H,L)[1]	No action if only one spike %R is outside criteria, unless one is <10% (if one is < 10%, J(pos)/UJ(ND)) If LCL is 10%; J(pos)/UJ(ND) for %R = 5% - 10% No action if parent concentration is >4x the amount spiked. Qualify parent sample only. QAPP may have overriding accuracy limits
MS/MSD (RPD)	One per matrix per batch (of ≤ 20 samples) Use laboratory limits	J (pos) in parent sample if RPD > CL	9A	Qualify parent sample only QAPP may have overriding precision control limits RPD is still evaluated, even if sample > 4x spike added
Reference Material (RM, SRM, or CRM)	EcoChem Default: Result ±20% of the 95% confidence interval of the true value (NIST SRM) or within manufacturers specified limits (other RMs)	J (pos)/UJ (ND) if < LCL J (pos) if > UCL	12 (H,L)[1]	QAPP may have overriding accuracy limits. Limits not applicable for non-certified analytes (NIST SRM) Limits not applicable if TV < RL
Field Duplicates	**EcoChem Default** Solids: RPD < 50% OR difference < 2X RL (for results < 5X RL) Aqueous: RPD < 35% OR difference < 1X RL (for results < 5X RL)	J (pos)/UJ (ND) Qualify only parent and field duplicate samples	9B	See **TM-24** QAPP may have overriding limits Use MDL for ND (rather than zero) when calculating difference Use lower RL to evaluate for results < 5x RL NFG does not have requirements for field duplicate evaluation

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Semivolatile Organic Compounds by Gas Chromatography-Mass Spectroscopy (GC-MS)
(Based on NFG 2017, 2020 and SW-846 Method 8270E)

QC Element	Acceptance Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Compound Identification, Quantitation, and Calculation				
Retention times and relative ion intensities	RRT within 0.06 of standard RRT or RT drift within ± 10 seconds. Ion relative intensity within 30% of standard	U (pos) if identification criteria not met	25	
TICs	Major ions (>10%) in reference must be present in sample; intensities agree within 20%; check identification	NJ the TIC unless	4	TICs are no longer commonly reported
Calibration Range	Results greater than highest calibration standard	Qualify J (pos)	20	If result from dilution analysis is not reported.
Dilutions, Re-extractions, and Reanalyses	Report only one result per analyte	Use "DNR" to flag results that will not be reported.	11	**TM-04** EcoChem Policy for Rejection/Selection Process for Multiple Results Note: If result is DNR-flagged for specific QC issue, use reason code for that issue

National Functional Guidelines for Organic Superfund Methods Data Review, January 2017
National Functional Guidelines for Organic Superfund Methods Data Review, November 2020
Method SW846 8270E Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS), Revision 6, June 2018.

(pos): Positive Result(s)
(ND): Non-detects

[1]NFG suggests using "+ / -" to indicate bias; EcoChem has chosen "H" = high bias indicated; "L" = low bias indicated.

* Common "Poor Responder" compounds include acetophenone, atrazine, benzaldehyde, 1,1-biphenyl, bis(2-ethylhexyl)phthalate, butyl benzyl phthalate, carbazole, 4-chloroaniline, di-n-butyl phthalate, 3,3-dichlorobenzidine, diethyl phthalate, dimethyl phthalate, 4,6-dinitro-2-methylphenol, 2,4-dinitrophenol, di-n-octyl phthalate, hexachlorobutadiene, 2-nitroaniline, 3-nitroaniline, 4-nitroaniline, n-nitroso-di-n-phenylamine, 2,2'-oxybis-(1-chloropropane), 1,2,4,5-tetrachlorobenzene, 2,3,4,6-tetrachlorophenol. See method for additional poor responders that are not typically included in a standard TCL.

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EcoChem Validation Guidelines for Total Petroleum Hydrocarbons-Diesel & Residual Range

(Based on EPA National Functional Guidelines as applied to criteria in NWTPH-Dx, June 1997, Wa DOE & Oregon DEQ)

QC Element	Acceptance Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Sample Handling				
Cooler Temperature & Preservation	4°C±2°C Water: HCl to pH < 2	J(+)/UJ(-) if greater than 6 deg. C	1	
Holding Time	Ext. Waters: 14 days preserved 7 days unpreserved Ext. Solids: 14 Days Analysis: 40 days from extraction	J(+)/UJ(-) if hold times exceeded J(+)/R(-) if exceeded > 3X	1	Professional Judgement
Instrument Performance				
Initial Calibration	5 calibration points (All within 15% of true value) Linear Regression: $r^2 \geq 0.990$ If used, RSD of response factors ≤20%	Narrate if fewer than 5 calibration levels or if %R >15% J(+)/UJ(-) if r^2 <0.990 J(+)/UJ(-) if %RSD > 20%	5A	
Mid-range Calibration Check Std.	Analyzed before and after each analysis shift & every 20 samples. Recovery range 85% to 115%	Narrate if frequency not met. J(+)/UJ(-) if %R < 85% J(+) if %R >115%	5B	
Blank Contamination				
Method Blank	At least one per batch (≤20 samples) No results >RL	U (at the RL) if sample result is < RL & < 5X blank result.	7	
		U (at reported sample value) if sample result is ≥ RL and < 5X blank result	7	
Field Blanks (if required by project)	No results > RL	Action is same as method blank for positive results remaining in the field blank after method blank qualifiers are assigned.	6	

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EcoChem Validation Guidelines for Total Petroleum Hydrocarbons-Diesel & Residual Range

(Based on EPA National Functional Guidelines as applied to criteria in NWTPH-Dx, June 1997, Wa DOE & Oregon DEQ)

QC Element	Acceptance Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Precision and Accuracy				
MS samples (accuracy) (if required by project)	%R within lab control limits	Qualify parent only, unless other QC indicates systematic problems. J(+) if both %R > upper control limit (UCL) J(+)/UJ(-) if both %R < lower control limit (LCL) No action if parent conc. >5X the amount spiked.	8	Use Professional Judgement if only one %R outlier
Precision: MS/MSD or LCS/LCSD or sample/dup	At least one set per batch (≤10 samples) RPD ≤ lab control limit	J(+) if RPD > lab control limits	9	
LCS (not required by method)	%R within lab control limits	J(+)/UJ(-) if %R < LCL J(+) if %R > UCL J(+)/R(-) if any %R <10%	10	Professional Judgement
Surrogates	2-fluorobiphenyl, p-terphenyl, o-terphenyl, and/or pentacosane added to all samples (inc. QC samples). %R = 50-150%	J(+)/UJ(-) if %R < LCL J(+) if %R > UCL J(+)/R(-) if any %R <10% No action if 2 or more surrogates are used, and only one is outside control limits.	13	Professional Judgement
Pattern Identification	Compare sample chromatogram to standard chromatogram to ensure range and pattern are reasonable match. Laboratory may flag results which have poor match.	J(+)	2	
Field Duplicates	Use project control limits, if stated in QAPP **EcoChem default:** water: RPD < 35% solids: RPD < 50%	Narrate (Use Professional Judgement to qualify)	9	

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EcoChem Validation Guidelines for Total Petroleum Hydrocarbons-Diesel & Residual Range

(Based on EPA National Functional Guidelines as applied to criteria in NWTPH-Dx, June 1997, Wa DOE & Oregon DEQ)

QC Element	Acceptance Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Compound ID and Calculation				
Two analyses for one sample (dilution)	Report only one result per analyte	"DNR" (or client requested qualifier) all results that should not be reported.	11	See EcoChem TM-04

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EcoChem Validation Guidelines for Total Petroleum Hydrocarbons-Gasoline Range

(Based on EPA National Functional Guidelines as applied to criteria in NWTPH-Gx, June 1997, Wa DOE & Oregon DEQ)

QC Element	Acceptance Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Sample Handling				
Cooler Temperature & Preservation	4°C±2°C Water: HCl to pH < 2	J(+)/UJ(-) if greater than 6°C	1	
Holding Time	Waters: 14 days preserved 7 days unpreserved Solids: 14 Days	J(+)/UJ(-) if hold times exceeded J(+)/R(-) if exceeded > 3X	1	Professional Judgement
Instrument Performance				
Initial Calibration	5 calibration points (All within 15% of true value) Linear Regression: $r^2 \geq 0.990$ If used, RSD of response factors ≤20%	Narrate if fewer than 5 calibration levels or if %R >15% J(+)/UJ(-) if r^2 <0.990 J(+)/UJ(-) if %RSD > 20%	5A	
Mid-range Calibration Check Std.	Analyzed before and after each analysis shift & every 20 samples. Recovery range 80% to 120%	Narrate if frequency not met. J(+)/UJ(-) if %R < 80% J(+) if %R >120%	5B	
Blank Contamination				
Method Blank	At least one per batch (≤10 samples) No results >RL	U (at the RL) if sample result is < RL & < 5X blank result.	7	
		U (at reported sample value) if sample result is ≥ RL and < 5X blank result	7	
Trip Blank (if required by project)	No results >RL	Action is same as method blank for positive results remaining in trip blank after method blank qualifiers are assigned.	18	
Field Blanks (if required by project)	No results > RL	Action is same as method blank for positive results remaining in field blank after method **and** trip blank qualifiers are assigned.	6	

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EcoChem Validation Guidelines for Total Petroleum Hydrocarbons-Gasoline Range

(Based on EPA National Functional Guidelines as applied to criteria in NWTPH-Gx, June 1997, Wa DOE & Oregon DEQ)

QC Element	Acceptance Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Precision and Accuracy				
MS samples (accuracy) (if required by project)	%R within lab control limits	Qualify parent only, unless other QC indicates systematic problems. J(+) if both %R > upper control limit (UCL) J(+)/UJ(-) if both %R < lower control limit (LCL) No action if parent conc. >5X the amount spiked.	8	Use Professional Judgement if only one %R outlier
Precision: MS/MSD or LCS/LCSD or sample/dup	At least one set per batch (≤10 samples) RPD ≤ lab control limit	J(+) if RPD > lab control limits	9	
LCS (not required by method)	%R within lab control limits	J(+)/UJ(-) if %R < LCL J(+) if %R > UCL J(+)/R(-) if any %R <10%	10	Professional Judgement
Surrogates	Bromofluorobenzene and/or 1,4-difluorobenzene added to all samples (inc. QC samples). %R = 50-150%	J(+)/UJ(-) if %R < LCL J(+) if %R >UCL J(+)/R(-) if any %R <10% No action if 2 or more surrogates are used, and only one is outside control limits.	13	Professional Judgement
Pattern Identification	Compare sample chromatogram to standard chromatogram to ensure range and pattern are reasonable match. Laboratory may flag results which have poor match.	J(+)	2	
Field Duplicates	Use project control limits, if stated in QAPP **EcoChem default:** water: RPD < 35% solids: RPD < 50%	Narrate outliers **If required by project**, qualify with J(+)/UJ(-)	9	
Compound ID and Calculation				
Two analyses for one sample (e.g., dilution)	Report only one result per analyte	"DNR" (or client requested qualifier) all results that should not be reported.	11	See EcoChem TM-04

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Metals by ICP-MS
(Based on Inorganic NFG 2010 and SW-846 6020A)

QC Element	EcoChem Acceptance Criteria	Source of Criteria	EcoChem Action for Non-Conformance	Reason Code	Discussion and Comments
Sample Handling					
Cooler / Storage Temperature Preservation	**Solid:** Cooler temperature 4°C±2°C **Aqueous:** Nitric Acid to pH < 2 **Dissolved Metals:** 0.45 µm filter, preserve to pH < 2 after filtration	NFG (1) Method (2)	Cooler Temps: **If required by project** J (pos)/UJ (ND) if greater than 6° C Aqueous: J (pos)/UJ (ND) if pH > 2	1	Use **PJ** to qualify for temperature outlier. Current SW846 criterion is ≤ 6° C (4) No quals for pH if samples preserved by lab immediately upon receipt and within 1 day of collection.
Holding Time	All matrices: 180 days from date sampled Frozen soils, sediments, tissues (-20°C) - HT extended to 1 year	NFG (1) Method (2) EcoChem standard policy	J (pos)/UJ (ND) if holding time exceeded	1	
Instrument Performance					
Tune	Analyzed prior to ICAL tunignsolution analyzed 5 times with Std. Dev. ≤ 5% Mass calibration < 0.1 amu difference from target mass Resolution < 0.9 amu @ 10% peak height	NFG (1) Method (2)	J(pos)/UJ(ND) if tune criteria not met	5A	Use **PJ** to evaluate tune. Alternate Resolution critteria may apply based on instrument specs (i.e <0.75 amu at 5% peak height)
Initial Calibration (ICAL)	Based on instrument requirements, blank + 1 standard minimum requirement for calibration If more than 1 standard used, r ≥ 0.995	NFG (1) Method (2)	J (pos)/UJ (ND) if r < 0.995	5A	
Initial Calibration Verification (ICV)	Independent source analyzed immediately after calibration %R within ± 10% of true value	NFG (1) Method (2)	R (pos/ND) if %R < 75% J (pos)/UJ (ND) if %R 75% - 89% J (pos) if %R >111%	5A (H,L)[3]	Qualify all samples in run
Reporting Limit (RL) Standard Low Level ICV/CCV	concentration at RL %R = 70%-130%	Method (2)	J (pos) < 2x RL / R (ND) if %R <50% J (pos) < 2x RL / UJ (ND) if %R 50 - 69% J (pos) < 2x RL if %R > 130%	5A (H,L)[3]	Qualify all samples in run

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Metals by ICP-MS
(Based on Inorganic NFG 2010 and SW-846 6020A)

QC Element	EcoChem Acceptance Criteria	Source of Criteria	EcoChem Action for Non-Conformance	Reason Code	Discussion and Comments
Instrument Performance cont'd					
Continuing Calibration Verification (CCV)	Immediately following ICV/ICB, then every two hours or ten samples, and at end of run. %R within ± 10% of true value	NFG [1] Method [2]	R (pos/ND) if %R < 75% J (pos)/UJ (ND) if %R 75% - 89% J (pos) if %R >111%	5B (H,L)[3]	Qualify samples bracketed by CCV outliers
Interference Check Samples (ICSA / ICSAB)	ICSAB %R 80% - 120% for all spiked elements | ICSA | < MDL for all unspiked elements	NFG [1] Method [2]	For samples with Al, Ca, Fe, Mg > ICS levels: **ICSAB**: J(pos)/R (ND) if %R < 50% J (pos)/UJ (ND) if %R = 50% - 79% J (pos) if %R > 120% **ICSA:** J (pos)< 2x ICSA/UJ (ND) for ICSA <Neg MDL J (pos) < 2x ICSA for ICSA > MDL	17 (H,L)[3]	Use **PJ** and molecular interferences to evaluate ICSA to determine if bias is present. Refer to **TM-14** for additional information.
Blank Contamination					
Method Blank (MB)	One per matrix per batch of (of ≤ 20 samples) Blank conc < MDL	NFG [1] Method [2]	U (pos) if result is < 5X method blank concentration	7	Refer to **TM-02** for additional information. Blank Evaluation based on NFG 1994
Instrument Blanks (ICB/CCB)	After each ICV & CCV | blank concentration | < MDL	NFG [1] Method [2]	Action level is 5x absolute value of blank conc. For positive blanks: U (pos) results < action level For negative blanks: J (pos)/UJ (ND) results < action level	Pos Blks: 7 Neg Blks: 7L[3]	Use blanks bracketing samples for Qualification Refer to **TM-02** for additional information. **Hierarchy of blank review: #1 - Review MB, quaify as needed #2 - Review IB , qualify as needed #3 - Review FB , qualify as needed**
Field Blank (FB)	Blank conc < MDL	EcoChem standard policy	U (pos) if result is < 5x action level, as per analyte.	6	Qualify in associated field samples only. Refer to **TM-02** for additional information.

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Metals by ICP-MS
(Based on Inorganic NFG 2010 and SW-846 6020A)

QC Element	EcoChem Acceptance Criteria	Source of Criteria	EcoChem Action for Non-Conformance	Reason Code	Discussion and Comments
Precision and Accuracy					
Internal Standards (IS)	Added to all samples. All analytes must be associated with an internal standard 60-125% of cal blank IS	NFG [1] Method [2]	J(pos)/UJ(ND) all analytes associated with IS outlier	19	6020A criteria - IS >70% of ICAL std
LCS (recovery)	One per matrix per batch (of ≤ 20 samples); LCSD not required %R between 80-120%	Method [2]	J (pos)/R (ND) if %R <50% J (pos)/UJ (ND) if %R 50% - 79% J (pos) if %R > 120%	10 (H,L)[3]	Qualify all samples in batch QAPP may have overriding accuracy limits. NFG Limits 70% -130%
LCS/LCSD (RPD)	LCSD not required, if analyzed: RPD ≤ 20%	Method [2]	J (pos)/UJ (ND) if RPD > 20%	9	Qualify all samples in batch QAPP may have overriding precision limits.
MS/MSD (recovery)	One per matrix per batch (of ≤ 20 samples); MSD not required %R between 75-125%	NFG [1] Method [2]	J (pos) if %R > 125% J (pos)/UJ (ND) if %R <75% J (pos)/R (ND) if %R < 30%, unless post digestion spike analyzed, J (pos)/UJ (ND) if post digestion spike %R OK	8 (H,L)[3]	No action if only one spike %R is outside criteria. NA if parent concentration >4x the amount spiked. Qualify all samples in batch. QAPP may have overriding accuracy limits.
Post Digestion Spikes	If MS is outside 75-125%, post-spike should be analyzed %R 80%-120% (method); 75%-125% (NFG)	NFG [1] Method [2]	Only used to support MS qualification decisions	NA	No qualifiers assigned based solely on this element.
MS/MSD (RPD)	MSD not required, if analyzed: RPD ≤ 20%	NFG [1] Method [2]	J (pos)/UJ (ND) if RPD > 20%	9	QAPP may have overriding precision limits.
Laboratory Duplicate	One per matrix per batch (of ≤ 20 samples) RPD ≤ 20% for results ≥ 5x RL Solids: difference < 2X RL for results < 5X RL Aqueous: difference < 1X RL for results < 5X RL	NFG [1] Method [2]	J (pos)/UJ (ND) if RPD > 20% or if difference > control limit	9	Qualify all samples in batch. QAPP may have overriding precision limits.

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Metals by ICP-MS
(Based on Inorganic NFG 2010 and SW-846 6020A)

QC Element	EcoChem Acceptance Criteria	Source of Criteria	EcoChem Action for Non-Conformance	Reason Code	Discussion and Comments
Precision and Accuracy cont'd					
Reference Material (RM, SRM, or CRM)	Result ±20% of the 95% confidence interval of the true value for analytes	EcoChem standard policy	J (pos)/UJ (ND) if < LCL J (pos) if > UCL	12 (H,L)[3]	QAPP may have overriding accuracy limits. Some manufacturers may have different RM control limits
Serial Dilution	Analyze one sample per matrix at a 5x dilution %D <10% for original sample conc. > 50x MDL	NFG [(1)]	J(pos)/UJ(ND) if %D > 10% and native sample concentration > 50x MDL	16	Note serial dilutions for soil are reported in ug/L, but the MDL is in mg/kg. The units need to be adjusted. Qualify all samples in batch.
Field Duplicate	Solids: RPD <50% OR difference < 2X RL (for results < 5X RL) Aqueous: RPD <35% OR difference < 1X RL (for results < 5X RL)	EcoChem standard policy	Narrate and qualify if required by project **(EcoChem PJ)** Qualify only field duplicate samples J(pos)/UJ(ND)	9	QAPP may have overriding precision limits.
Compound Quantitation					
Total and Dissolved Comparison	Total > Dissolved	EcoChem standard policy	J (pos)/UJ (ND) if Dissolved > Total and results fall outside of standard duplicate precision criteria	14	
Calibration Range	Results < instrument linear range	NFG [(1)] Method [(2)]	if result exceeds linear range and sample was not diluted J (pos)	20	
Dilutions, Re-extractions and/or Reanalyses	Report only one result per analyte	EcoChem standard policy	Use "DNR" to flag results that will not be reported.	11	**TM-04** EcoChem Policy for Rejection/Selection Process for Multiple Results

[1] National Functional Guidelines for Inorganic Superfund Data Review, January 2010.
[2] Method SW846 6020A Inductively Coupled Plasma-Mass Spectrometry (ICP-MS), Revision 1, February 2007.
[3] "H" = high bias indicated; "L" = low bias indicated
[4] SW846, Chapter 3, Inorganic Analytes

(pos): Positive Result
(ND): Not detected

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ECOCHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

Qualified Data Summary Table
701 S Jackson St.

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	DV Qualifier	DV Reason
2411552	Trip Blank	2411552-003A	EPA-TO-15	Ethylbenzene		ug/m3	U	UJ	19
2411552	Trip Blank	2411552-003A	EPA-TO-15	Toluene		ug/m3	U	UJ	19
2411552	Trip Blank	2411552-003A	EPA-TO-15	m,p-Xylene		ug/m3	U	UJ	19
2411552	Trip Blank	2411552-003A	EPA-TO-15	Benzene		ug/m3	U	UJ	19
2411552	Trip Blank	2411552-003A	EPA-TO-15	Naphthalene		ug/m3	U	UJ	19
2411552	Trip Blank	2411552-003A	EPA-TO-15	o-Xylene		ug/m3	U	UJ	19
2411560	DUP-112624	2411560-004D	SW6020B	Lead	0.3	UG/L	U	UJ	9A
2411560	GEI-11-112624	2411560-001D	SW6020B	Lead	0.3	UG/L	U	UJ	9A
2411560	GEI-12-112624	2411560-002D	SW6020B	Lead	0.491	UG/L		J	9A
2411560	GEI-13-112624	2411560-003D	SW6020B	Lead	0.3	UG/L	U	UJ	9A
2411552	VP-1-112624	2411552-002A	EPA-TO-15	Ethylbenzene		ug/m3	U	UJ	1,19
2411552	VP-1-112624	2411552-002A	EPA-TO-15	Toluene	11.6	ug/m3	I	J	1,19
2411552	VP-1-112624	2411552-002A	EPA-TO-15	m,p-Xylene		ug/m3	U	UJ	1,19
2411552	VP-1-112624	2411552-002A	EPA-TO-15	Benzene	0.903	ug/m3	I	J	1,19
2411552	VP-1-112624	2411552-002A	EPA-TO-15	Naphthalene		ug/m3	U	UJ	1,19
2411552	VP-1-112624	2411552-002A	EPA-TO-15	o-Xylene		ug/m3	U	UJ	1,19
2411552	VP-1-112624	2411552-002A	EPA-TO-15	Aliphatic Hydrocarbon (EC5-8)		ug/m3	U	UJ	1
2411552	VP-1-112624	2411552-002A	EPA-TO-15	Aliphatic Hydrocarbon (EC9-12)		ug/m3	U	UJ	1
2411552	VP-1-112624	2411552-002A	EPA-TO-15	Aromatic Hydrocarbon (EC9-10)		ug/m3	U	UJ	1
2411552	VP-2-112624	2411552-001A	EPA-TO-15	Ethylbenzene		ug/m3	U	UJ	19
2411552	VP-2-112624	2411552-001A	EPA-TO-15	Toluene		ug/m3	U	UJ	19
2411552	VP-2-112624	2411552-001A	EPA-TO-15	m,p-Xylene		ug/m3	U	UJ	19
2411552	VP-2-112624	2411552-001A	EPA-TO-15	Benzene	0.605	ug/m3	I	J	19
2411552	VP-2-112624	2411552-001A	EPA-TO-15	Naphthalene		ug/m3	U	UJ	19
2411552	VP-2-112624	2411552-001A	EPA-TO-15	o-Xylene		ug/m3	U	UJ	19
2502393	GEI-13_022025	2502393-003B	NWTPH-DX	Diesel Range Organics	164	UG/L		J	9B
2502393	GEI-DUP_022025	2502393-004B	NWTPH-DX	Diesel Range Organics	264	UG/L		J	9B
2505259	Trip Blank	2505259-001A	EPA-TO-15	Naphthalene	2.16	ug/m3		J	5CL
2505259	VP-2-051225	2505259-002A	EPA-TO-15	Naphthalene		ug/m3	U	UJ	5CL
2505366	Trip Blank	2505366-002A	EPA-TO-15	Naphthalene		ug/m3	U	UJ	5CL
2505366	VP-1-051925	2505366-001A	EPA-TO-15	Benzene	0.312	ug/m3		U	6

Qualified Data Summary Table
701 S Jackson St.

SDG	Sample ID	Lab ID	Method	Analyte	Result	Units	Lab Flag	DV Qualifier	DV Reason
2505366	VP-1-051925	2505366-001A	EPA-TO-15	Naphthalene		ug/m3	U	UJ	5CL