Appendix E
Laboratory Reports

Am Test Inc.
13600 NE 126TH PL
Suite C
Kirkland, WA 98034
(425) 885-1664

Professional Analytical Services

May 30 2023
On-Site Environmental
14648 NE 95th ST
Redmond, WA 98052
Attention: David Baumeister

Dear David Baumeister:

Enclosed please find the analytical data for your project.

The following is a cross correlation of client and laboratory identifications for your convenience.

CLIENT ID	MATRIX	AMTEST ID	TEST
PS63-SS-01	Soil	23-A007702	Grain Size, NUT, CONV, H2S-S
PS63-SS-02	Soil	23-A007703	Grain Size, NUT, CONV, H2S-S
PS63-SS-03	Soil	23-A007704	Grain Size, NUT, CONV, H2S-S
PS63-SS-04	Soil	23-A007705	Grain Size, NUT, CONV, H2S-S
PS63-SS-05	Soil	23-A007706	Grain Size, NUT, CONV, H2S-S

Your samples were received on Monday, May 1, 2023. At the time of receipt, the samples were logged in and properly maintained prior to the subsequent analysis.

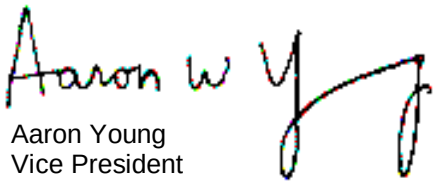
The analytical procedures used at AmTest are well documented and are typically derived from the protocols of the EPA, USDA, FDA or the Army Corps of Engineers.

Following the analytical data you will find the Quality Control (QC) results.

Please note that the detection limits that are listed in the body of the report refer to the Practical Quantitation Limits (PQL's), as opposed to the Method Detection Limits (MDL's).

If you should have any questions pertaining to the data package, please feel free to contact me.

Sincerely,



Aaron Young
Vice President

Project #: 220795-01.01
SDG #: 2329370
PO Number: 04-330

BACT = Bacteriological
CONV = Conventionals
MET = Metals
ORG = Organics
NUT=Nutrients
DEM=Demand
MIN=Minerals

Am Test Inc.
13600 NE 126TH PL
Suite C
Kirkland, WA 98034
(425) 885-1664
www.amtestlab.com

Professional Analytical Services

ANALYSIS REPORT

On-Site Environmental
14648 NE 95th ST
Redmond, WA 98052
Attention: David Baumeister
SDG Number: 2329370
Project #: 220795-01.01
PO Number: 04-330
All results reported on a dry weight basis.

Date Received: 05/01/23
Date Reported: 5/30/23

AMTEST Identification Number **23-A007702**
Client Identification **PS63-SS-01**
Sampling Date **04/27/23, 08:16**

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Total Solids	47.9	%		0.1	SM 2540G	SF	05/18/23
Sulfide	123.	ug/g		1	SM 4500 S2	AJS	05/03/23

Nutrients

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Available Ammonia	140	mg/Kg		10.	SM4500 NH3-H	AE	05/19/23

Grain Size Distribution

PHI	OPENING (mm)	% RETENTION	FRACTION	PERCENT	METHOD	ANALYST	DATE
-2.25	4.75	31.5 %	GRAVEL	62.6	ASTM D422	SF	05/24/23
- 2	4.00	10.5 %			ASTM D422	SF	05/24/23
-1	2.00	20.6 %			ASTM D422	SF	05/24/23
0	1.00	7.80 %	SAND	17.4	ASTM D422	SF	05/24/23
+1	0.50	2.90 %			ASTM D422	SF	05/24/23
+ 2	0.25	2.80 %			ASTM D422	SF	05/24/23
+ 3	0.125	2.30 %			ASTM D422	SF	05/24/23
+ 4	0.063	1.60 %			ASTM D422	SF	05/24/23
+ 5	0.032	2.40 %	SILT	13.4	ASTM D422	SF	05/24/23
+ 6	0.016	3.90 %			ASTM D422	SF	05/24/23
+ 7	0.008	3.70 %			ASTM D422	SF	05/24/23
+ 8	0.004	3.40 %			ASTM D422	SF	05/24/23
+ 9	0.002	0.50 %	CLAY	6.70	ASTM D422	SF	05/24/23
+ 10	0.001	< 0.1 %			ASTM D422	SF	05/24/23
> + 10	< 0.001	6.20 %			ASTM D422	SF	05/24/23

Am Test Inc.
13600 NE 126TH PL
Suite C
Kirkland, WA 98034
(425) 885-1664
www.amtestlab.com

Professional Analytical Services

ANALYSIS REPORT

On-Site Environmental
14648 NE 95th ST
Redmond, WA 98052
Attention: David Baumeister
SDG Number: 2329370
Project #: 220795-01.01
PO Number: 04-330
All results reported on a dry weight basis.

Date Received: 05/01/23
Date Reported: 5/30/23

AMTEST Identification Number **23-A007703**
Client Identification **PS63-SS-02**
Sampling Date **04/27/23, 08:41**

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Total Solids	37.9	%		0.1	SM 2540G	SF	05/18/23
Sulfide	125.	ug/g		1	SM 4500 S2	AJS	05/03/23

Nutrients

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Available Ammonia	110	mg/Kg		13.	SM4500 NH3-H	AE	05/19/23

Grain Size Distribution

PHI	OPENING (mm)	% RETENTION	FRACTION	PERCENT	METHOD	ANALYST	DATE
-2.25	4.75	8.43 %	GRAVEL	13.4	ASTM D422	SF	05/24/23
- 2	4.00	1.00 %			ASTM D422	SF	05/24/23
-1	2.00	4.00 %			ASTM D422	SF	05/24/23
0	1.00	3.90 %	SAND	54.9	ASTM D422	SF	05/24/23
+1	0.50	5.80 %			ASTM D422	SF	05/24/23
+ 2	0.25	27.4 %			ASTM D422	SF	05/24/23
+ 3	0.125	10.2 %			ASTM D422	SF	05/24/23
+ 4	0.063	7.60 %			ASTM D422	SF	05/24/23
+ 5	0.032	1.50 %	SILT	20.4	ASTM D422	SF	05/24/23
+ 6	0.016	6.80 %			ASTM D422	SF	05/24/23
+ 7	0.008	7.60 %			ASTM D422	SF	05/24/23
+ 8	0.004	4.50 %			ASTM D422	SF	05/24/23
+ 9	0.002	2.60 %	CLAY	11.2	ASTM D422	SF	05/24/23
+ 10	0.001	1.30 %			ASTM D422	SF	05/24/23
> + 10	< 0.001	7.30 %			ASTM D422	SF	05/24/23

Am Test Inc.
13600 NE 126TH PL
Suite C
Kirkland, WA 98034
(425) 885-1664
www.amtestlab.com

Professional Analytical Services

ANALYSIS REPORT

On-Site Environmental
14648 NE 95th ST
Redmond, WA 98052
Attention: David Baumeister
SDG Number: 2329370
Project #: 220795-01.01
PO Number: 04-330
All results reported on a dry weight basis.

Date Received: 05/01/23
Date Reported: 5/30/23

AMTEST Identification Number **23-A007704**
Client Identification **PS63-SS-03**
Sampling Date **04/27/23, 09:03**

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Total Solids	39.3	%		0.1	SM 2540G	SF	05/18/23
Sulfide	97.0	ug/g		1	SM 4500 S2	AJS	05/03/23

Nutrients

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Available Ammonia	53.	mg/Kg		13.	SM4500 NH3-H	AE	05/19/23

Grain Size Distribution

PHI	OPENING (mm)	% RETENTION	FRACTION	PERCENT	METHOD	ANALYST	DATE
-2.25	4.75	12.9 %	GRAVEL	18.5	ASTM D422	SF	05/24/23
- 2	4.00	2.20 %			ASTM D422	SF	05/24/23
-1	2.00	3.40 %			ASTM D422	SF	05/24/23
0	1.00	4.00 %	SAND	42.5	ASTM D422	SF	05/24/23
+1	0.50	5.50 %			ASTM D422	SF	05/24/23
+ 2	0.25	17.1 %			ASTM D422	SF	05/24/23
+ 3	0.125	8.60 %			ASTM D422	SF	05/24/23
+ 4	0.063	7.30 %			ASTM D422	SF	05/24/23
+ 5	0.032	12.0 %	SILT	27.8	ASTM D422	SF	05/24/23
+ 6	0.016	3.60 %			ASTM D422	SF	05/24/23
+ 7	0.008	5.30 %			ASTM D422	SF	05/24/23
+ 8	0.004	6.90 %			ASTM D422	SF	05/24/23
+ 9	0.002	2.80 %	CLAY	11.1	ASTM D422	SF	05/24/23
+ 10	0.001	1.30 %			ASTM D422	SF	05/24/23
> + 10	< 0.001	7.00 %			ASTM D422	SF	05/24/23

Am Test Inc.
13600 NE 126TH PL
Suite C
Kirkland, WA 98034
(425) 885-1664
www.amtestlab.com

Professional Analytical Services

ANALYSIS REPORT

On-Site Environmental
14648 NE 95th ST
Redmond, WA 98052
Attention: David Baumeister
SDG Number: 2329370
Project #: 220795-01.01
PO Number: 04-330
All results reported on a dry weight basis.

Date Received: 05/01/23
Date Reported: 5/30/23

AMTEST Identification Number **23-A007705**
Client Identification **PS63-SS-04**
Sampling Date **04/27/23, 09:23**

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Total Solids	53.7	%		0.1	SM 2540G	SF	05/18/23
Sulfide	58.3	ug/g		1	SM 4500 S2	AJS	05/03/23

Nutrients

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Available Ammonia	63.	mg/Kg		9.3	SM4500 NH3-H	AE	05/19/23

Grain Size Distribution

PHI	OPENING (mm)	% RETENTION	FRACTION	PERCENT	METHOD	ANALYST	DATE
-2.25	4.75	17.7 %	GRAVEL	56.2	ASTM D422	SF	05/24/23
- 2	4.00	6.90 %			ASTM D422	SF	05/24/23
-1	2.00	31.6 %			ASTM D422	SF	05/24/23
0	1.00	13.8 %	SAND	29.4	ASTM D422	SF	05/24/23
+1	0.50	5.40 %			ASTM D422	SF	05/24/23
+ 2	0.25	4.00 %			ASTM D422	SF	05/24/23
+ 3	0.125	3.20 %			ASTM D422	SF	05/24/23
+ 4	0.063	3.00 %			ASTM D422	SF	05/24/23
+ 5	0.032	2.00 %	SILT	9.60	ASTM D422	SF	05/24/23
+ 6	0.016	2.00 %			ASTM D422	SF	05/24/23
+ 7	0.008	3.90 %			ASTM D422	SF	05/24/23
+ 8	0.004	1.70 %			ASTM D422	SF	05/24/23
+ 9	0.002	0.80 %	CLAY	4.90	ASTM D422	SF	05/24/23
+ 10	0.001	0.50 %			ASTM D422	SF	05/24/23
> + 10	< 0.001	3.60 %			ASTM D422	SF	05/24/23

Am Test Inc.
13600 NE 126TH PL
Suite C
Kirkland, WA 98034
(425) 885-1664
www.amtestlab.com

Professional Analytical Services

ANALYSIS REPORT

On-Site Environmental
14648 NE 95th ST
Redmond, WA 98052
Attention: David Baumeister
SDG Number: 2329370
Project #: 220795-01.01
PO Number: 04-330
All results reported on a dry weight basis.

Date Received: 05/01/23
Date Reported: 5/30/23

AMTEST Identification Number **23-A007706**
Client Identification **PS63-SS-05**
Sampling Date **04/27/23, 09:49**

Conventionals

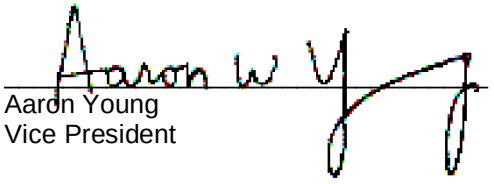
PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Total Solids	47.7	%		0.1	SM 2540G	SF	05/18/23
Sulfide	121.	ug/g		1	SM 4500 S2	AJS	05/03/23

Nutrients

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Available Ammonia	100	mg/Kg		10.	SM4500 NH3-H	AE	05/19/23

Grain Size Distribution

PHI	OPENING (mm)	% RETENTION	FRACTION	PERCENT	METHOD	ANALYST	DATE
-2.25	4.75	34.2 %	GRAVEL	72.7	ASTM D422	SF	05/24/23
- 2	4.00	9.80 %			ASTM D422	SF	05/24/23
-1	2.00	28.7 %			ASTM D422	SF	05/24/23
0	1.00	8.10 %	SAND	14.5	ASTM D422	SF	05/24/23
+1	0.50	2.20 %			ASTM D422	SF	05/24/23
+ 2	0.25	1.50 %			ASTM D422	SF	05/24/23
+ 3	0.125	1.40 %			ASTM D422	SF	05/24/23
+ 4	0.063	1.30 %			ASTM D422	SF	05/24/23
+ 5	0.032	< 0.1 %	SILT	8.20	ASTM D422	SF	05/24/23
+ 6	0.016	3.10 %			ASTM D422	SF	05/24/23
+ 7	0.008	2.30 %			ASTM D422	SF	05/24/23
+ 8	0.004	2.80 %			ASTM D422	SF	05/24/23
+ 9	0.002	1.20 %	CLAY	4.70	ASTM D422	SF	05/24/23
+ 10	0.001	0.50 %			ASTM D422	SF	05/24/23
> + 10	< 0.001	3.00 %			ASTM D422	SF	05/24/23



Aaron Young
Vice President

Am Test Inc.
13600 NE 126th PL
Suite C
Kirkland, WA, 98034
(425) 885-1664
www.amtestlab.com

Professional Analytical Services

QC Summary for sample numbers: 23-A007702 to 23-A007706

DUPLICATES

SAMPLE #	ANALYTE	UNITS	SAMPLE VALUE	DUP VALUE	RPD
23-A007706	Available Ammonia	mg/Kg	50.	45.	11.
23-A007698	Total Solids	%	76.7	76.4	0.39
23-A007698	Total Solids	%	76.7	80.5	4.8
23-A007631	Sulfide	ug/g	< 1	< 1	
23-A007706	Sulfide	ug/g	121.	143.	17.
23-A007698	Gravel	%	28.5	27.4	3.9
23-A007698	Gravel	%	28.5	30.5	6.8
23-A007698	Sand	%	62.7	60.6	3.4
23-A007698	Sand	%	62.7	59.4	5.4
23-A007698	Silt	%	4.70	8.40	56.
23-A007698	Silt	%	4.70	5.80	21.
23-A007698	Clay	%	4.30	3.70	15.
23-A007698	Clay	%	4.30	4.30	0.00

MATRIX SPIKES

SAMPLE #	ANALYTE	UNITS	SAMPLE VALUE	SMPL+ SPK	SPK AMT	RECOVERY
23-A007631	Sulfide	ug/g	< 1	9.71	12.5	77.68 %

STANDARD REFERENCE MATERIALS

ANALYTE	UNITS	TRUE VALUE	MEASURED VALUE	RECOVERY
Available Ammonia	mg/Kg	1.0	1.0	100. %
Sulfide	ug/g	5.00	5.10	102. %

BLANKS

ANALYTE	UNITS	RESULT
Available Ammonia	mg/Kg	< 0.5
Sulfide	ug/g	< 1

OnSite Environmental Inc.

14648 NE 95th Street, Redmond, WA 98052 · (425) 883-3881

Laboratory Reference #: 04-330

Laboratory: AmTest Laboratories

Attention: Aaron Young

13600 NE 126th Pl Kirkland, WA 98034

Phone Number: (425) 885-1664

Turnaround Request

1 Day 2 Day 3 Day

Standard

Other: _____

Project Manager: David Baumeister

email: dbaumeister@onsite-env.com

Project Number: 220795-01.01

Project Name: _____

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	Requested Analyses
7702	PS63-SS-01	4/27/23	8:16	Sed	1	Sulfide SM 4500-S2-D, Grain Size ASTM D422
7703	PS63-SS-02	4/27/23	8:41	Sed	1	Sulfide SM 4500-S2-D, Grain Size ASTM D422
7704	PS63-SS-03	4/27/23	9:03	Sed	1	Sulfide SM 4500-S2-D, Grain Size ASTM D422
7705	PS63-SS-04	4/27/23	9:23	Sed	1	Sulfide SM 4500-S2-D, Grain Size ASTM D422
7706	PS63-SS-05	4/27/23	9:49	Sed	1	Sulfide SM 4500-S2-D, Grain Size ASTM D422

	Company	Date	Time	Comments/Special Instructions
Relinquished by: Nicholas Bahlmann	OSE	5/1/23	1300	T= 5.4°C
Received by: KH	AmTest	5/1/23	1300	
Relinquished by:				EDDS
Received by:				
Relinquished by:				
Received by:				

Chain of Custody Record & Laboratory Analysis Request

04-330

ANCHOR QEA

Laboratory Number:

Date: 4/27/23
Project Name: Pier 63 Sediment Sampling
Project Number: 220795-01.01
Project Manager: Josh Jensen
Phone Number: 206-903-3374
Shipment Method: Courier Pick up

Line	Field Sample ID	Collection Date/Time	Matrix	No. of Containers	Test Parameters: Total Solids (SM 2540 G)	Ammonia (SM 4500-NH3-H)	Sulfide (SM 4500-S2-D)	TOC (USEPA 9060A)	Grain Size (ASTM D422)	Metals (USEPA 6020B)*	~~PAHs (USEPA 8270E-SIM)~~ 02	SVOCs (USEPA 8270E)	PCBs (USEPA 8082A)	Dioxin/furans (USEPAs 1613B)	Pesticides (USEPA 8081B)	Mercury (USEPA 7471B)	Comments/Preservation
1	PS63-SS-01	4/27/23 0816	Sed	4	X	X	X	X	X	X	X	X	X	X	X	X	
2	PS63-SS-02	0841	Sed	4	X	X	X	X	X	X	X	X	X	X	X	X	
3	PS63-SS-03	0903	Sed	4	X	X	X	X	X	X	X	X	X	X	X	X	
4	PS63-SS-04	0923	Sed	4	X	X	X	X	X	X	X	X	X	X	X	X	
5	PS63-SS-05	0949	Sed	4	X	X	X	X	X	X	X	X	X	X	X	X	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

Notes:
*Metals include (As,Ba,Cd,Cr,Cd,Cu,Pb,Ni,Se,Ag,Zn) STANDARD TAT

Relinquished By: Nina Maas Company: Anchor QEA, LLC 4/27/23 1045
Signature/Printed Name Date/Time

Received By: #17 Company: Peedy 17:00 4/28/23
Signature/Printed Name Date/Time

Relinquished By: #17 4/28/23 1:04 pm Company: Peedy
Signature/Printed Name Date/Time

Received By: M.VAN Company: OSE 4/28/23 1304
Signature/Printed Name Date/Time

Distribution: A copy will be made for the laboratory and client. The Project file will retain the original.

Sample/Cooler Receipt and Acceptance Checklist

Client: ANC

Client Project Name/Number: 220795-01.01

OnSite Project Number: 04-330

Initiated by: AM

Date Initiated: 4/28/23

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	(No)	N/A	1 2 3 4	
1.2 Were the custody seals intact?	Yes	No	(N/A)	1 2 3 4	
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	(N/A)	1 2 3 4	
1.4 Were the samples delivered on ice or blue ice?	(Yes)	No	N/A	1 2 3 4	
1.5 Were samples received between 0-6 degrees Celsius?	(Yes)	No	N/A	Temperature:	0
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes	(N/A)			
1.7 How were the samples delivered?	Client	(Courier)	UPS/FedEx	OSE Pickup	Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	(Yes)	No	1 2 3 4	
2.2 Was the COC legible and written in permanent ink?	(Yes)	No	1 2 3 4	
2.3 Have samples been relinquished and accepted by each custodian?	(Yes)	No	1 2 3 4	
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	Yes	(No)	1 2 3 4	
2.5 Were all of the samples listed on the COC submitted?	(Yes)	No	1 2 3 4	
2.6 Were any of the samples submitted omitted from the COC?	Yes	(No)	1 2 3 4	

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	(No)		1 2 3 4	
3.2 Were any sample labels missing or illegible?	Yes	(No)		1 2 3 4	
3.3 Have the correct containers been used for each analysis requested?	(Yes)	No		1 2 3 4	
3.4 Have the samples been correctly preserved?	Yes	No	(N/A)	1 2 3 4	
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	Yes	No	(N/A)	1 2 3 4	
3.6 Is there sufficient sample submitted to perform requested analyses?	(Yes)	No		1 2 3 4	
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	(No)		1 2 3 4	
3.8 Was method 5035A used?	Yes	No	(N/A)	1 2 3 4	
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#		(N/A)	1 2 3 4	

Explain any discrepancies:

2.4) #1-5) P63 on labels

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

COMPLETE DATA PACKAGE

- Total Solids SM 2540G
- TOC EPA 9060A
- Total Metals EPA 6020B/7471B
- Semivolatiles EPA 8270E/SIM
- PCBs EPA 8082A
- Organochlorine Pesticides by EPA 8081B

Total Solids
SM 2540G Data

Percent Total Solids
SM 2540G

Date Prepared: 5/3/23
Date Weighed: 5/4/23
Analyst: MB

Laboratory ID	Tray Wt. (g)	TRAY WT. + WET SOIL WT.	TRAY WT. + DRY SOIL WT.	TRAY WT. + DRY SOIL WT.	TRAY WT. + DRY SOIL WT.
04-217-04	1.021	15.285	14.954	14.954	14.955
04-330-01b	1.02	12.13	6.15	6.17	6.16
01b Dup	1.03	12.09	5.92	5.92	5.92
02b	1.01	17.76	7.84	7.87	7.85
03b	1.03	13.64	5.41	5.43	5.42
04b	1.01	12.74	6.86	6.87	6.87
05b	1.01	13.94	6.19	6.20	6.19
04-322-01b	1.02	18.24	14.76	14.78	14.77
01b Dup	1.02	18.17	14.48	14.49	14.49
02b	1.03	13.72	10.01	10.02	10.02
03b	1.03	14.71	12.85	12.87	12.85
04b	1.02	21.40	13.79	13.80	13.80
05b	1.01	14.15	9.25	9.26	9.26

TOC
SM 5310B Data

	Type	Analysis	Sample Name	Sample ID	Origin	Result	Notes	Status	Date / Time
1	Standard	SSM-TC	TC CURVE	TOC-023-003	NEW TC CA			Completed	2/23/2023 3:16:38 PM
2	Standard	SSM-IC	IC CURVE	TOC-024-007	NEW IC CAL			Completed	2/23/2023 4:13:08 PM
3	Unknown	SSM-TOC	ICV022323N	Untitled	SSM-TC-IC	SSM-TOC:28.76% SSM-TC:41.08% SSM-IC:12.32%		Completed	2/23/2023 4:39:33 PM
4	Unknown	SSM-TOC	ICB	Untitled	SSM-TC-IC	SSM-TOC:0.00858% SSM-TC:0.00672% SSM-IC:-0.0		Completed	2/23/2023 4:52:25 PM
5	Unknown	SSM-TOC	CCV1022323N	Untitled	SSM-TC-IC	SSM-TOC:30.37% SSM-TC:41.41% SSM-IC:11.04%		Completed	2/23/2023 5:11:17 PM
6	Unknown	SSM-TOC	CCB	Untitled	SSM-TC-IC	SSM-TOC:0.00742% SSM-TC:0.00672% SSM-IC:-0.0		Completed	2/23/2023 5:21:07 PM
7	Unknown	SSM-TOC	MB0223S1	Untitled	SSM-TC-IC	SSM-TOC:0.00858% SSM-TC:0.00672% SSM-IC:-0.0		Completed	2/23/2023 5:38:04 PM
8	Unknown	SSM-TOC	SB0223S1	Untitled	SSM-TC-IC	SSM-TOC:29.86% SSM-TC:41.07% SSM-IC:11.21%		Completed	2/23/2023 6:00:00 PM
9	Unknown	SSM-TOC	01-270-01	Untitled	SSM-TC-IC	SSM-TOC:16.58% SSM-TC:16.59% SSM-IC:0.00419		Completed	2/23/2023 7:06:53 PM
10	Unknown	SSM-TOC	01-270-01 DUP	Untitled	SSM-TC-IC	SSM-TOC:16.24% SSM-TC:16.24% SSM-IC:0.00433		Completed	2/23/2023 8:15:51 PM
11	Unknown	SSM-TOC	CCV2022323N	Untitled	SSM-TC-IC	SSM-TOC:30.36% SSM-TC:42.36% SSM-IC:11.99%		Completed	2/23/2023 8:30:36 PM
12	Unknown	SSM-TOC	CCB	Untitled	SSM-TC-IC	SSM-TOC:0.00891% SSM-TC:0.00706% SSM-IC:-0.0		Completed	2/23/2023 8:42:07 PM

Instr.Information

System	SSM
Instrument Options	TOC/SSM/IC Unit/
Catalyst	Regular Sensitivity

Cal. Curve

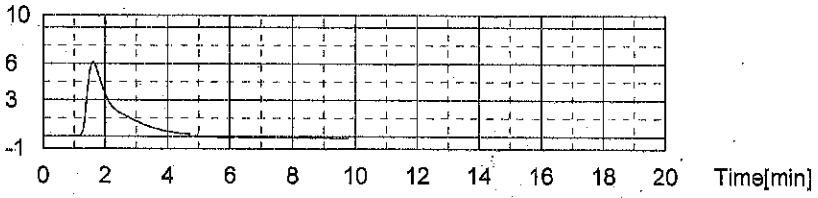
Sample Name:	TC CURVE
Sample ID:	TOC-023-003,TOC-023-005
Cal. Curve:	NEW TC CAL.2023_02_23_12_51_18.cal
Status	Completed

Type	Anal.
Standard	SSM-TC

AbsC: 0.000ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	34.63	34.63	0.000ug	0.000mg	*****P*	E	2/23/2023 12:57:17 PM
2	0.000	0.000	0.000ug	0.000mg	*****P*		2/23/2023 1:03:48 PM

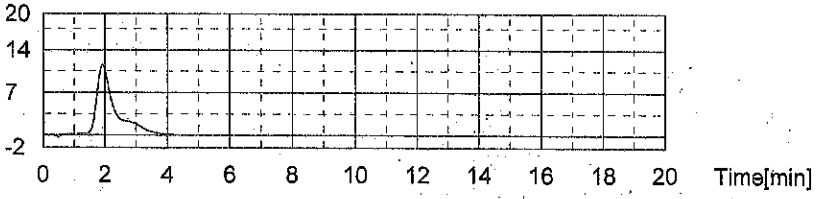
Mean Area 0.000
Mean CNV 0.000



AbsC: 210.6ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	44.20	44.20	210.6ug	0.5000mg	*****P*		2/23/2023 1:15:41 PM

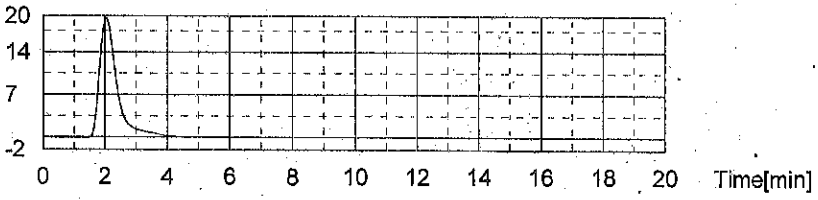
Mean Area 44.20
Mean CNV 44.20



AbsC: 421.1ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	77.38	77.38	421.1ug	1.000mg	*****P*		2/23/2023 1:46:46 PM

Mean Area 77.38
Mean CNV 77.38

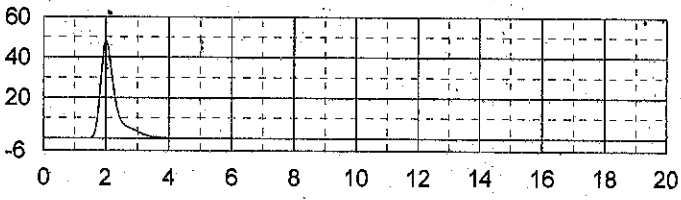


AbsC: 842.2ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	156.4	156.4	842.2ug	2.000mg	*****P*		2/23/2023 1:59:32 PM

Mean Area 156.4
Mean CNV 156.4

Signal[mV]

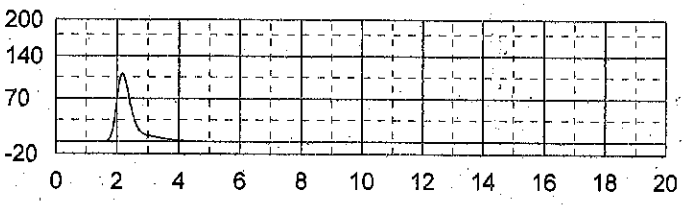


AbsC: 2106ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Data / Time
1	401.1	401.1	2106ug	5.000mg	*****P*		2/23/2023 2:13:55 PM

Mean Area 401.1
Mean CNV 401.1

Signal[mV]

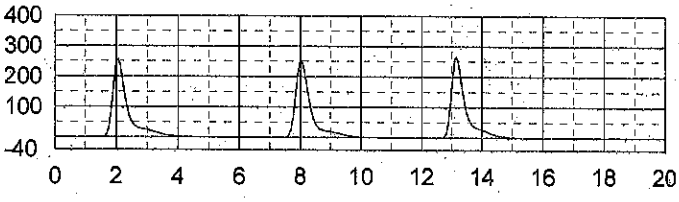


AbsC: 4211ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	864.2	864.2	4211ug	10.00mg	*****P*		2/23/2023 2:35:35 PM
2	862.3	862.3	4211ug	10.00mg	*****P*		2/23/2023 2:47:26 PM
3	867.5	867.5	4211ug	10.00mg	*****P*		2/23/2023 3:05:13 PM

Mean Area 864.7
Mean CNV 864.7

Signal[mV]

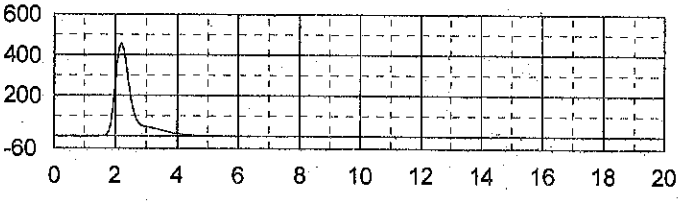


AbsC: 8422ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	1701	1701	8422ug	20.00mg	*****P*		2/23/2023 3:16:38 PM

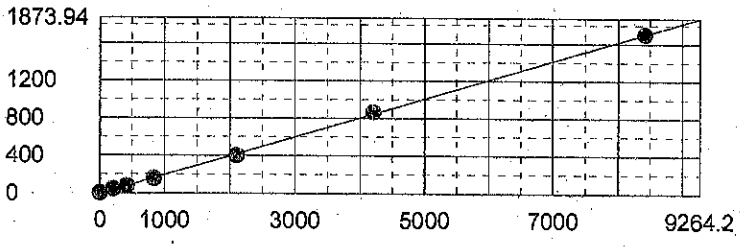
Mean Area 1701
Mean CNV 1701

Signal[mV]



Slope: 0.2031
Intercept -6.829
r^2 0.9996
r 0.9998
Zero Shift No

Area 1873.94



Cal. Curve

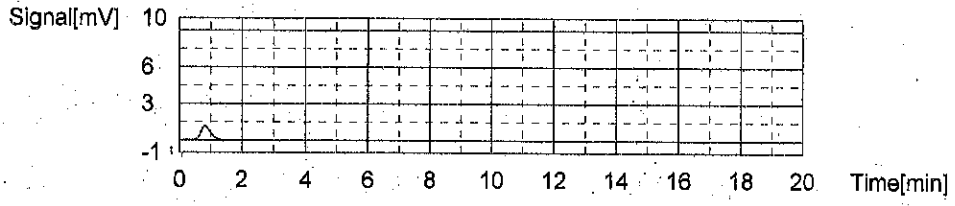
Sample Name: IC CURVE
Sample ID: TOC-024-007
Cal. Curve: NEW IC CAL.2023_02_23_15_16_45.cal
Status: Completed

Type	Anal.
Standard	SSM-IC

AbsC: 0.000ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	2.373	2.373	0.000ug	0.000mg	*****P*		2/23/2023 3:19:32 PM

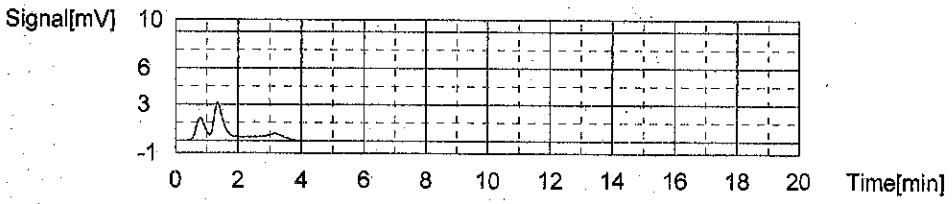
Mean Area 2.373
Mean CNV 2.373



AbsC: 56.65ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	14.46	14.46	56.65ug	0.5000mg	*****P*		2/23/2023 3:28:03 PM

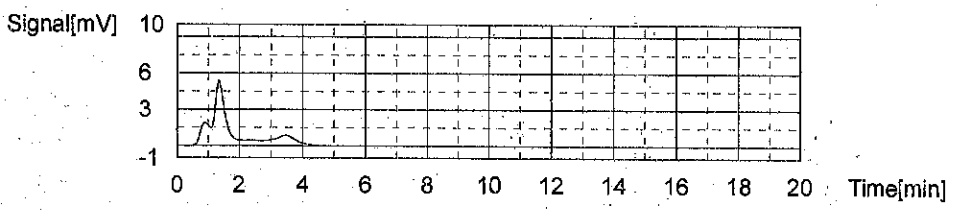
Mean Area 14.46
Mean CNV 14.46



AbsC: 113.3ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	22.61	22.61	113.3ug	1.000mg	*****P*		2/23/2023 3:34:27 PM

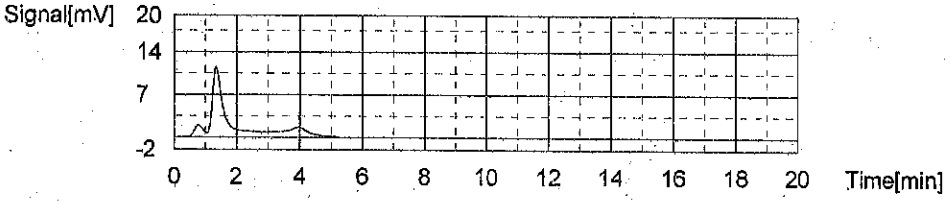
Mean Area 22.61
Mean CNV 22.61



AbsC: 226.6ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	45.21	45.21	226.6ug	2.000mg	*****P*		2/23/2023 3:45:20 PM

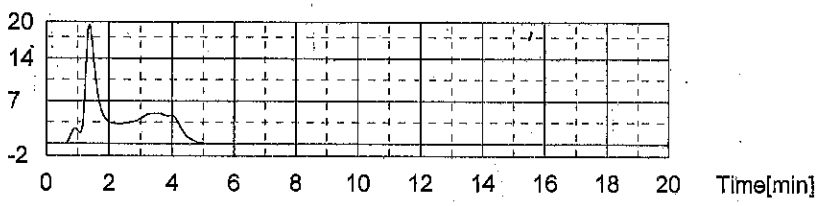
Mean Area 45.21
Mean CNV 45.21



AbsC: 566.5ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	113.9	113.9	566.5ug	5.000mg	*****P*		2/23/2023 3:53:19 PM

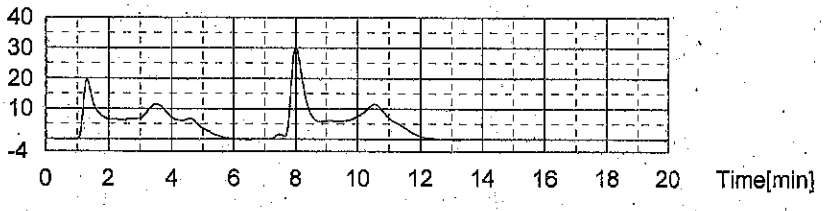
Mean Area 113.9
Mean CNV 113.9



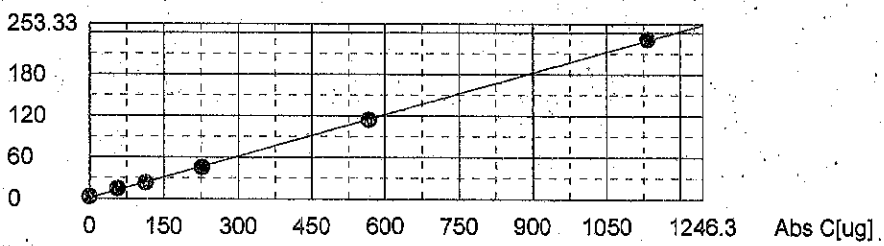
AbsC: 1133ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	203.5	203.5	1133ug	10.00mg	*****P*	E	2/23/2023 4:03:40 PM
2	230.3	230.3	1133ug	10.00mg	*****P*		2/23/2023 4:13:08 PM

Mean Area 230.3
Mean CNV 230.3



Slope: 0.2014
Intercept 1.120
r^2 0.9997
r 0.9998
Zero Shift No



Sample

Sample Name: ICV022323N
Sample ID: Untitled
Origin: SSM-TC-IC 230223.met
Status Completed
Chk. Result

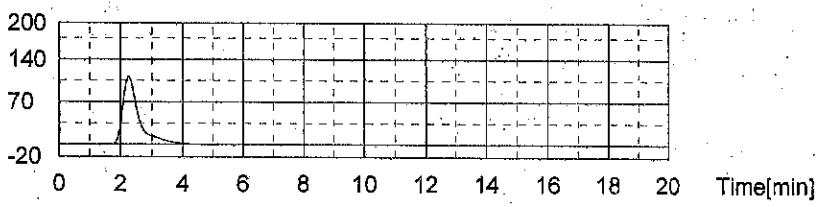
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TOC	1.000	1.000mg/uL	SSM-TOC:28.76% SSM-TC:41.08% SSM-IC:12.32%

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	410.3	410.3	2054ug	41.08%	5.000mg	5uL		NEW TC CAL.2023_02_23_12_51_18.cal	2/23/2023 4:30:43 PM

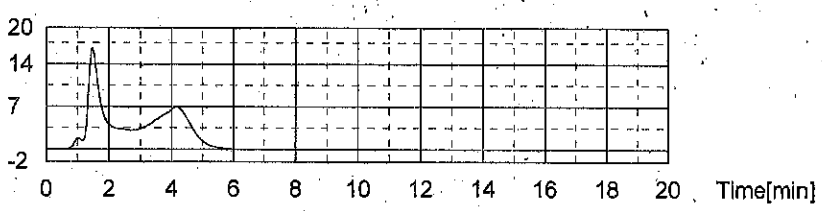
Mean Area 410.3
Mean CNV 410.3
Mean Conc. 41.08%



Anal.: SSM-IC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	125.2	125.2	616.1ug	12.32%	5.000mg	5uL		NEW IC CAL.2023_02_23_15_16_45.cal	2/23/2023 4:39:33 PM

Mean Area 125.2
Mean CNV 125.2
Mean Conc. 12.32%



Sample

Sample Name: ICB
Sample ID: Untitled
Origin: SSM-TC-IC 230223.met
Status Completed
Chk. Result

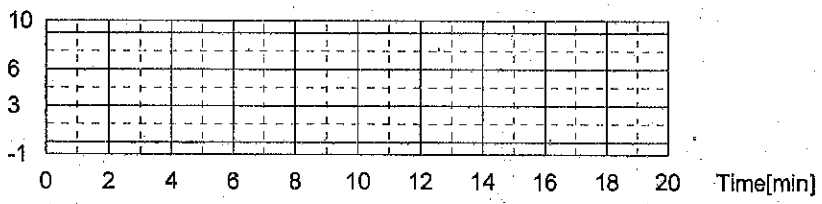
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TOC	1.000	1.000mg/uL	SSM-TOC:0.00858% SSM-TC:0.00672% SSM-IC:-0.00185%

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.000	0.000	33.62ug	0.00672%	500.0mg	500uL		NEW TC CAL.2023_02_23_12_51_18.cal	2/23/2023 4:46:57 PM

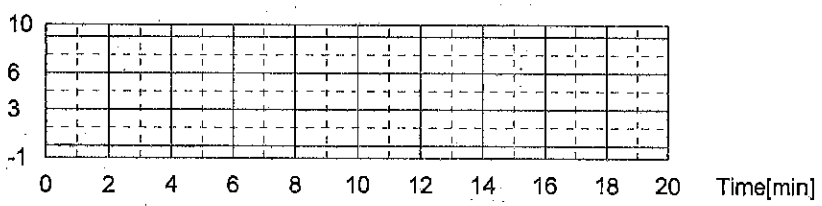
Mean Area 0.000
Mean CNV 0.000
Mean Conc. 0.00672%



Anal.: SSM-IC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.000	0.000	-5.562ug	-0.00185%	300.0mg	300uL		NEW IC CAL.2023_02_23_15_16_45.cal	2/23/2023 4:52:25 PM

Mean Area 0.000
Mean CNV 0.000
Mean Conc. -0.00185%



Sample

Sample Name: CCV1022323N
Sample ID: Untitled
Origin: SSM-TC-IC 230223.met
Status Completed
Chk. Result

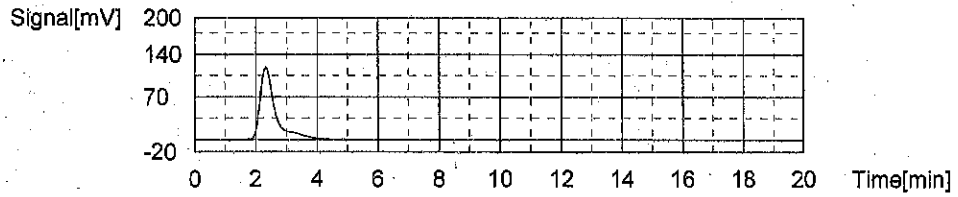
Type	Anal.	Manuel Dilution	Density	Result
Unknown	SSM-TOC	1.000	1.000mg/uL	SSM-TOC:30.37% SSM-TC:41.41% SSM-IC:11.04%

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	413.7	413.7	2071ug	41.41%	5.000mg	5uL		NEW TC CAL.2023_02_23_12_51_18.cal	2/23/2023 5:03:00 PM

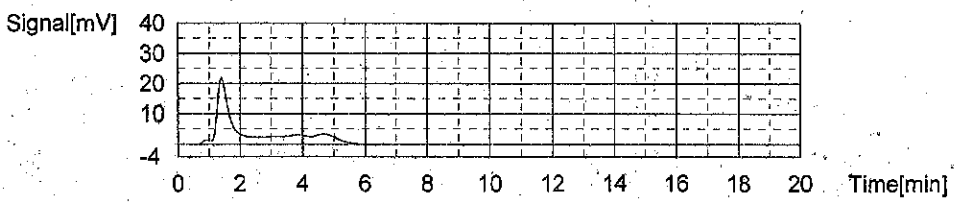
Mean Area 413.7
Mean CNV 413.7
Mean Conc. 41.41%



Anal.: SSM-IC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	112.3	112.3	552.1ug	11.04%	5.000mg	5uL		NEW IC CAL.2023_02_23_15_16_45.cal	2/23/2023 5:11:17 PM

Mean Area 112.3
Mean CNV 112.3
Mean Conc. 11.04%



Sample

Sample Name: CCB
Sample ID: Untitled
Origin: SSM-TC-IC 230223.met
Status Completed
Chk. Result

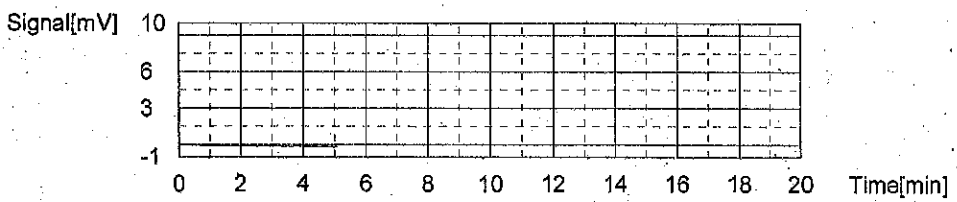
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TOC	1.000	1.000mg/uL	SSM-TOC:0.00742% SSM-TC:0.00672% SSM-IC:-0.00070%

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.000	0.000	33.62ug	0.00672%	500.0mg	500uL		NEW TC CAL.2023_02_23_12_51_18.cal	2/23/2023 5:19:29 PM

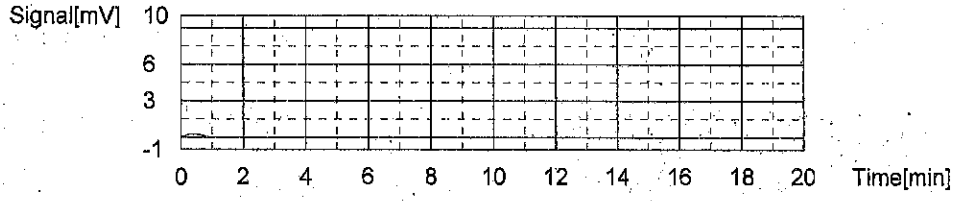
Mean Area 0.000
Mean CNV 0.000
Mean Conc. 0.00672%



Anal.: SSM-IC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.6976	0.6976	-2.098ug	-0.00070%	300.0mg	300uL		NEW IC CAL.2023_02_23_15_16_45.cal	2/23/2023 5:21:07 PM

Mean Area	0.6978
Mean CNV	0.6976
Mean Conc.	-0.00070%



	Type	Analysis	Sample Name	Sample ID	Origin	Result	Note	Status	Date / Time
1	Unknown	SSM-TOC	CCV1050523N	Untitled	SSM-TC-IC	SSM-TOC:30.12% SSM-TC:41.11% SSM-IC:10.99%		Completed	5/5/2023 11:30:31 AM
2	Unknown	SSM-TOC	CCB	Untitled	SSM-TC-IC	SSM-TOC:0.00858% SSM-TC:0.00672% SSM-IC:-0.0		Completed	5/5/2023 11:44:35 AM
3	Unknown	SSM-TOC	MB0505S1	Untitled	SSM-TC-IC	SSM-TOC:0.00858% SSM-TC:0.00672% SSM-IC:-0.0		Completed	5/5/2023 11:59:41 AM
4	Unknown	SSM-TOC	SB0505S1	Untitled	SSM-TC-IC	SSM-TOC:31.47% SSM-TC:42.63% SSM-IC:11.16%		Completed	5/5/2023 12:19:00 PM
5	Unknown	SSM-TOC	04-330-01b	Untitled	SSM-TC-IC	SSM-TOC:3.895% SSM-TC:7.145% SSM-IC:3.249%		Completed	5/5/2023 2:22:23 PM
6	Unknown	SSM-TOC	04-330-02b	Untitled	SSM-TC-IC	SSM-TOC:4.454% SSM-TC:4.804% SSM-IC:0.3500%		Completed	5/5/2023 3:39:52 PM
7	Unknown	SSM-TOC	04-330-02b DUP	Untitled	SSM-TC-IC	SSM-TOC:4.559% SSM-TC:4.734% SSM-IC:0.1749%		Completed	5/5/2023 5:18:50 PM
8	Unknown	SSM-TOC	CCV2050523N	Untitled	SSM-TC-IC	SSM-TOC:31.02% SSM-TC:41.59% SSM-IC:10.57%		Completed	5/5/2023 5:35:55 PM
9	Unknown	SSM-TOC	CCB	Untitled	SSM-TC-IC	SSM-TOC:0.00917% SSM-TC:0.00731% SSM-IC:-0.0		Completed	5/5/2023 5:50:59 PM

Instr.Information

System SSM
Instrument Options TOC/SSM/IC Unit/
Catalyst Regular Sensitivity

Sample

Sample Name: CCV1050523N
Sample ID: Untitled
Origin: SSM-TC-IC 230223.met
Status Completed
Chk. Result

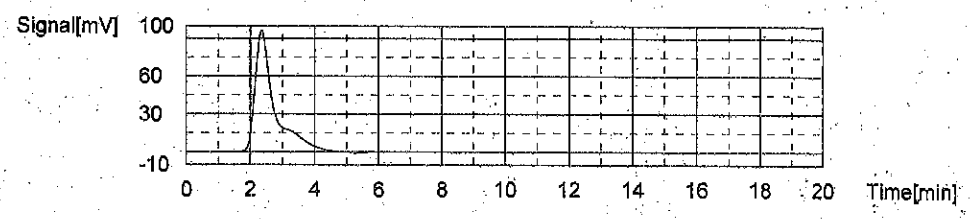
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TOC	1.000	1.000mg/uL	SSM-TOC:30.12% SSM-TC:41.11% SSM-IC:10.99%

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	410.6	410.6	2055ug	41.11%	5.000mg	5uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/5/2023 11:10:13 AM

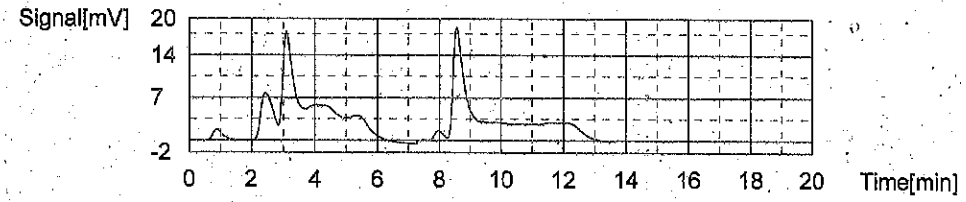
Mean Area 410.6
Mean CNV 410.6
Mean Conc. 41.11%



Anal.: SSM-IC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	3.785	3.785	13.23ug	0.2646%	5.000mg	5uL	E	NEW IC CAL.2023_02_23_15_16_45.cal	5/5/2023 11:15:26 AM
2	133.2	133.2	655.8ug	13.12%	5.000mg	5uL	E	NEW IC CAL.2023_02_23_15_16_45.cal	5/5/2023 11:22:32 AM
3	111.8	111.8	549.6ug	10.99%	5.000mg	5uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/5/2023 11:30:31 AM

Mean Area 111.8
Mean CNV 111.8
Mean Conc. 10.99%



Sample

Sample Name: CCB
Sample ID: Untitled
Origin: SSM-TC-IC 230223.met
Status Completed
Chk. Result

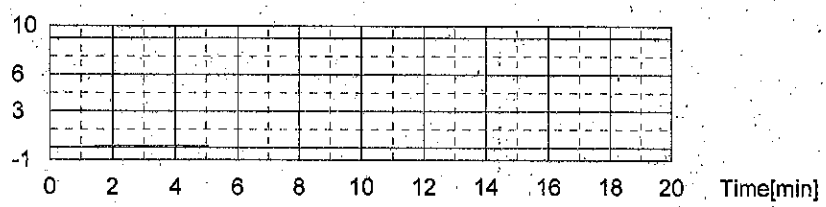
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TOC	1.000	1.000mg/uL	SSM-TOC:0.00858% SSM-TC:0.00672% SSM-IC:-0.00185%

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.000	0.000	33.62ug	0.00672%	500.0mg	500uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/5/2023 11:39:04 AM

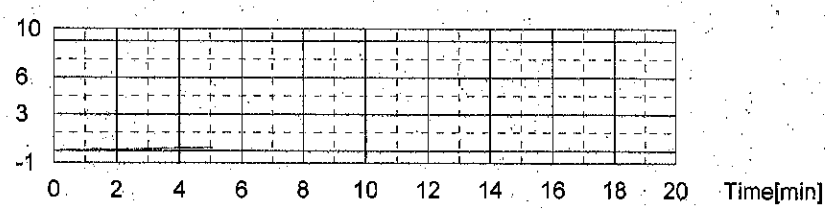
Mean Area 0.000
Mean CNV 0.000
Mean Conc. 0.00672%



Anal.: SSM-IC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.000	0.000	-5.562ug	-0.00185%	300.0mg	300uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/5/2023 11:44:35 AM

Mean Area 0.000
Mean CNV 0.000
Mean Conc. -0.00185%



Sample

Sample Name: MB0505S1
Sample ID: Untitled
Origin: SSM-TC-IC 230223.met
Status Completed
Chk. Result

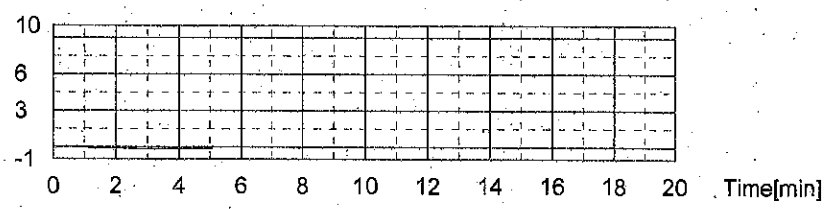
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TOC	1.000	1.000mg/uL	SSM-TOC:0.00858% SSM-TC:0.00672% SSM-IC:-0.00185%

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.000	0.000	33.62ug	0.00672%	500.0mg	500uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/5/2023 11:50:51 AM

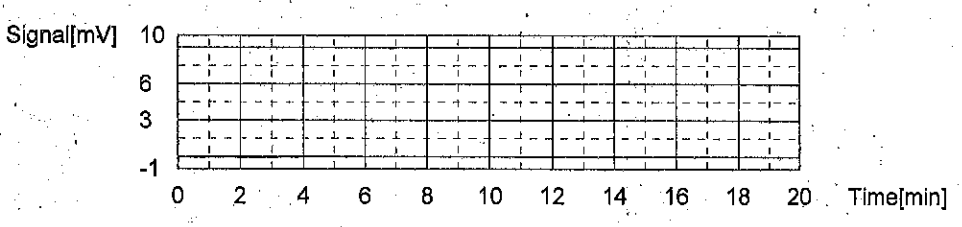
Mean Area 0.000
Mean CNV 0.000
Mean Conc. 0.00672%



Anal.; SSM-IC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.000	0.000	-5.562ug	-0.00185%	300.0mg	300uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/5/2023 11:59:41 AM

Mean Area 0.000
Mean CNV 0.000
Mean Conc. -0.00185%



Sample

Sample Name: SB0505S1
Sample ID: Untitled
Origin: SSM-TC-IC 230223.met
Status Completed
Chk. Result

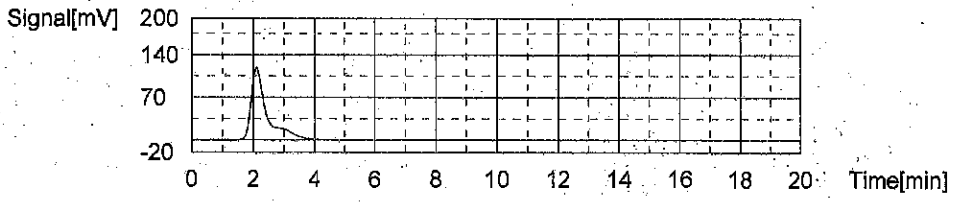
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TOC	1.000	1.000mg/uL	SSM-TOC:31.47% SSM-TC:42.63% SSM-IC:11.16%

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	426.1	426.1	2132ug	42.63%	5.000mg	5uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/5/2023 12:09:41 PM

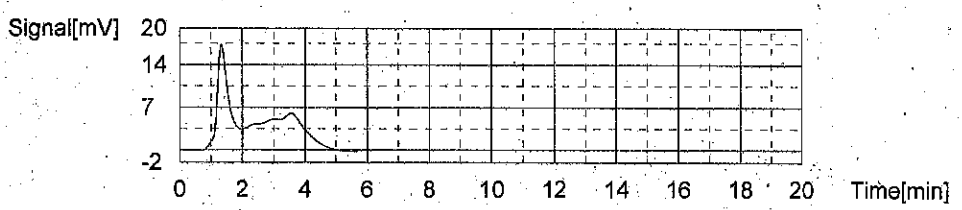
Mean Area 426.1
Mean CNV 426.1
Mean Conc. 42.63%



Anal.: SSM-IC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	113.5	113.5	558.0ug	11.16%	5.000mg	5uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/5/2023 12:19:00 PM

Mean Area 113.5
Mean CNV 113.5
Mean Conc. 11.16%



Sample

Sample Name: 04-330-01b
Sample ID: Untitled
Origin: SSM-TC-IC 230223.met
Status Completed
Chk. Result

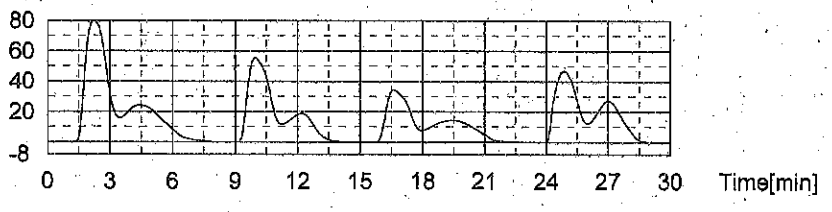
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TOC	1.000	1.000mg/uL	SSM-TOC:3.895% SSM-TC:7.145% SSM-IC:3.249%

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	876.6	876.6	4350ug	7.262%	59.90mg	59uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/5/2023 12:54:52 PM
2	567.1	797.4	2826ug	6.634%	42.60mg	42uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/5/2023 1:10:08 PM
3	474.4	890.8	2370ug	7.428%	31.90mg	31uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/5/2023 1:23:23 PM
4	597.2	872.5	2974ug	7.254%	41.00mg	41uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/5/2023 1:34:32 PM

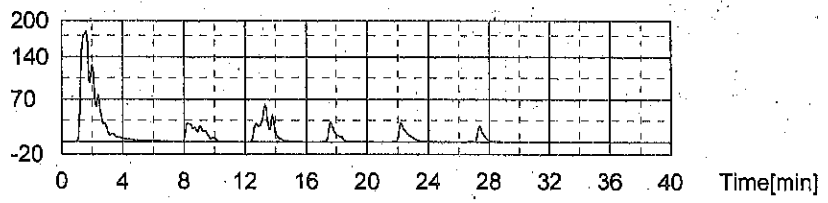
Mean Area 628.8
Mean CNV 859.3
Mean Conc. 7.145%



Anal.: SSM-IC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	1149	1149	5700ug	2.381%	239.4mg	239uL	E	NEW IC CAL.2023_02_23_15_16_45.cal	5/5/2023 1:42:16 PM
2	227.4	1707	1124ug	3.522%	31.90mg	31uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/5/2023 1:49:49 PM
3	322.8	2501	1597ug	5.169%	30.90mg	30uL	E	NEW IC CAL.2023_02_23_15_16_45.cal	5/5/2023 2:00:41 PM
4	114.3	1874	562.0ug	3.849%	14.60mg	14uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/5/2023 2:07:50 PM
5	122.9	1582	604.7ug	3.251%	18.60mg	18uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/5/2023 2:16:24 PM
6	69.97	1163	341.9ug	2.374%	14.40mg	14uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/5/2023 2:22:23 PM

Mean Area 133.6
Mean CNV 1581
Mean Conc. 3.249%



Sample

Sample Name: 04-330-02b
Sample ID: Untitled
Origin: SSM-TC-IC 230223.met
Status Completed
Chk. Result

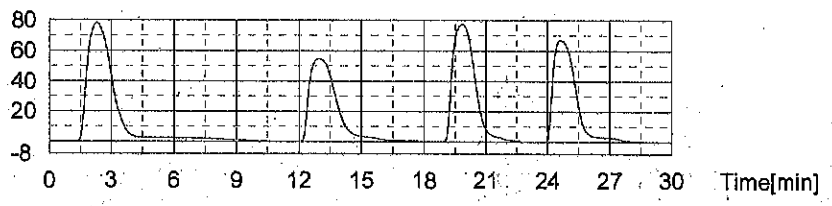
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TOC	1.000	1.000mg/uL	SSM-TOC:4.454% SSM-TC:4.804% SSM-IC:0.3500%

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	688.4	688.4	3423ug	5.148%	66.50mg	66uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/5/2023 2:44:53 PM
2	489.8	585.8	2445ug	4.398%	55.60mg	55uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/5/2023 2:56:10 PM
3	577.3	655.1	2876ug	4.908%	58.60mg	58uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/5/2023 3:05:56 PM
4	496.1	634.4	2476ug	4.762%	52.00mg	52uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/5/2023 3:16:27 PM

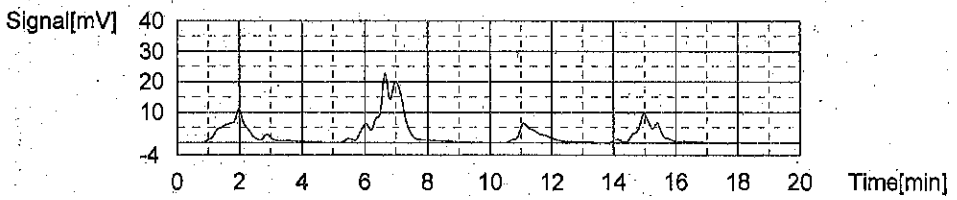
Mean Area 562.9
Mean CNV 640.9
Mean Conc. 4.804%



Anal.: SSM-IC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	55.05	55.05	267.8ug	0.2732%	98.00mg	98uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/5/2023 3:23:25 PM
2	120.6	146.8	593.3ug	0.7370%	80.50mg	80uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/5/2023 3:30:36 PM
3	27.74	34.76	132.2ug	0.1690%	78.20mg	78uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/5/2023 3:35:03 PM
4	39.79	44.82	192.0ug	0.2207%	87.00mg	87uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/5/2023 3:39:52 PM

Mean Area 60.80
Mean CNV 70.36
Mean Conc. 0.3500%



Sample

Sample Name: 04-330-02b DUP
Sample ID: Untitled
Origin: SSM-TC-IC 230223.met
Status Completed
Chk. Result

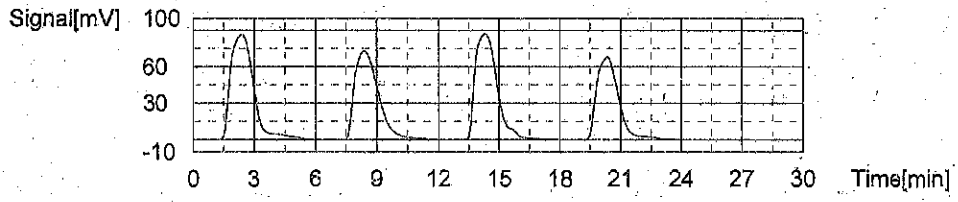
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TOC	1.000	1.000mg/uL	SSM-TOC:4.559% SSM-TC:4.734% SSM-IC:0.1749%

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	668.5	668.5	3325ug	4.561%	72.90mg	72uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/5/2023 3:50:25 PM
2	584.1	654.1	2910ug	4.470%	65.10mg	65uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/5/2023 4:10:47 PM
3	646.2	748.9	3215ug	5.112%	62.90mg	62uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/5/2023 4:42:18 PM
4	505.3	700.3	2522ug	4.794%	52.60mg	52uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/5/2023 4:54:03 PM

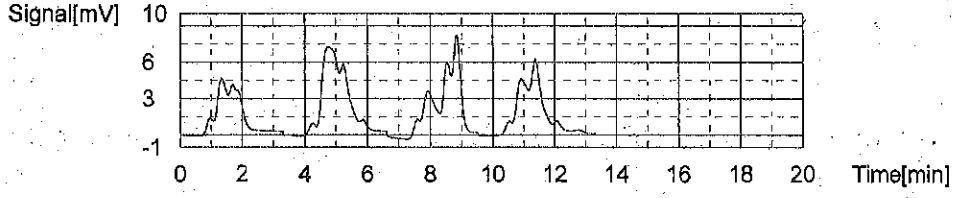
Mean Area 601.0
Mean CNV 693.0
Mean Conc. 4.734%



Anal.: SSM-IC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	23.26	23.26	109.9ug	0.1538%	71.50mg	71uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/5/2023 4:58:13 PM
2	38.91	28.36	187.6ug	0.1913%	98.10mg	98uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/5/2023 5:02:22 PM
3	35.56	26.88	171.0ug	0.1808%	94.60mg	94uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/5/2023 5:08:47 PM
4	30.83	25.96	147.5ug	0.1738%	84.90mg	84uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/5/2023 5:18:50 PM

Mean Area 32.14
Mean CNV 26.12
Mean Conc. 0.1749%



Sample

Sample Name: CCV2050523N
Sample ID: Untitled
Origin: SSM-TC-IC 230223.met
Status Completed
Chk. Result

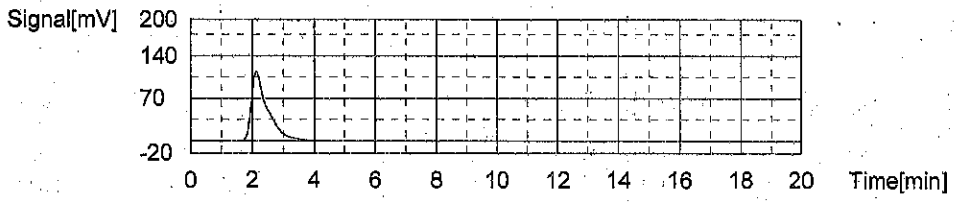
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TOC	1.000	1.000mg/uL	SSM-TOC:31.02% SSM-TC:41.59% SSM-IC:10.57%

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	415.5	415.5	2080ug	41.59%	5.000mg	5uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/5/2023 5:29:18 PM

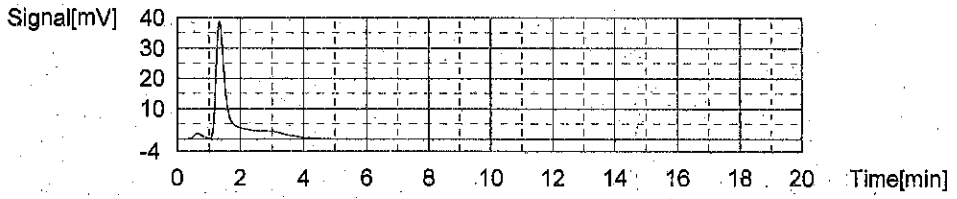
Mean Area 415.5
Mean CNV 415.5
Mean Conc. 41.59%



Anal.: SSM-IC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	107.6	107.6	528.7ug	10.57%	5.000mg	5uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/5/2023 5:35:55 PM

Mean Area 107.6
Mean CNV 107.6
Mean Conc. 10.57%



Sample

Sample Name: CCB
Sample ID: Untitled
Origin: SSM-TC-IC 230223.met
Status Completed
Chk. Result

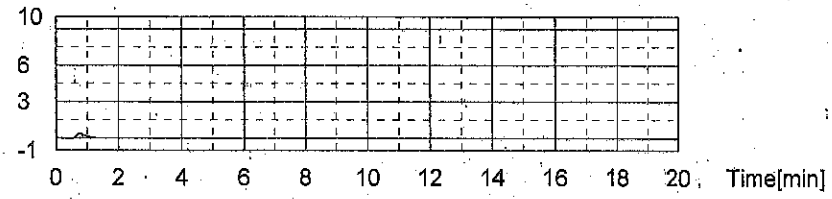
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TOC	1.000	1.000mg/uL	SSM-TOC:0.00917% SSM-TC:0.00731% SSM-IC:-0.00185%

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.5962	0.5962	36.56ug	0.00731%	500.0mg	500uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/5/2023 5:39:08 PM

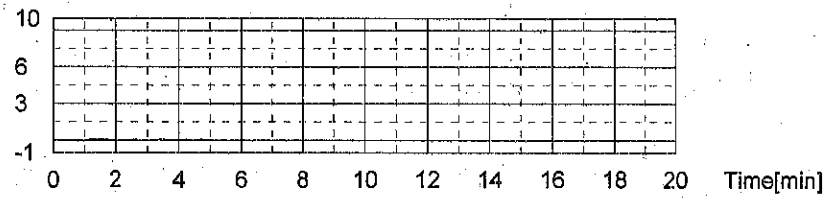
Mean Area 0.5962
Mean CNV 0.5962
Mean Conc. 0.00731%



Anal.: SSM-IC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.000	0.000	-5.562ug	-0.00185%	300.0mg	300ul		NEW IC CAL.2023_02_23_15_16_45.cal	5/5/2023 5:50:59 PM

Mean Area 0.000
Mean CNV 0.000
Mean Conc. -0.00185%



	Type	Analysis	Sample Name	Sample ID	Origin	Result	Notes	Status	Date / Time
1	Unknown	SSM-TOC	CCV1050823N	Untitled	SSM-TC-IC	SSM-TOC:29.29% SSM-TC:40.07% SSM-IC:10.78%		Completed	5/8/2023 11:54:33 AM
2	Unknown	SSM-TOC	CCB	Untitled	SSM-TC-IC	SSM-TOC:0.00858% SSM-TC:0.00672% SSM-IC:-0.0		Completed	5/8/2023 12:11:43 PM
3	Unknown	SSM-TOC	MB00508S1	Untitled	SSM-TC-IC	SSM-TOC:0.00858% SSM-TC:0.00672% SSM-IC:-0.0		Completed	5/8/2023 12:27:06 PM
4	Unknown	SSM-TOC	SB0508S1	Untitled	SSM-TC-IC	SSM-TOC:29.93% SSM-TC:40.77% SSM-IC:10.84%		Completed	5/8/2023 12:45:48 PM
5	Unknown	SSM-TOC	03-330-03b	Untitled	SSM-TC-IC	SSM-TOC:6.567% SSM-TC:7.039% SSM-IC:0.4725%		Completed	5/8/2023 2:03:02 PM
6	Unknown	SSM-TOC	03-330-03b DUP	Untitled	SSM-TC-IC	SSM-TOC:6.170% SSM-TC:6.481% SSM-IC:0.3114%		Completed	5/8/2023 3:22:21 PM
7	Unknown	SSM-TOC	03-330-04b	Untitled	SSM-TC-IC	SSM-TOC:4.915% SSM-TC:9.482% SSM-IC:4.567%		Completed	5/8/2023 4:50:02 PM
8	Unknown	SSM-TOC	03-330-05b	Untitled	SSM-TC-IC	SSM-TOC:3.901% SSM-TC:8.233% SSM-IC:4.332%		Completed	5/8/2023 6:22:38 PM
9	Unknown	SSM-TOC	CCV2050823N	Untitled	SSM-TC-IC	SSM-TOC:29.57% SSM-TC:40.30% SSM-IC:10.73%		Completed	5/8/2023 7:00:12 PM
10	Unknown	SSM-TOC	CCB	Untitled	SSM-TC-IC	SSM-TOC:0.01120% SSM-TC:0.00972% SSM-IC:-0.0		Completed	5/8/2023 7:12:36 PM

Instr.Information

System	SSM
Instrument Options	TOC/SSM/IC Unit/
Catalyst	Regular Sensitivity

Sample

Sample Name:	CCV1050823N
Sample ID:	Untitled
Origin:	SSM-TC-IC 230223.met
Status	Completed
Chk. Result	

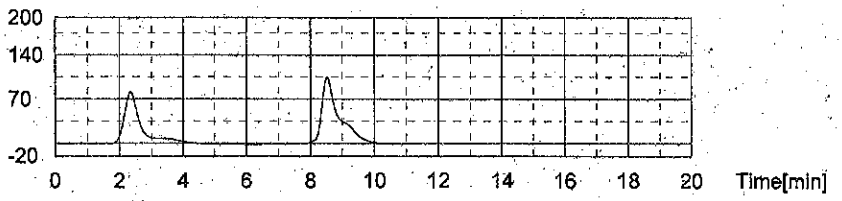
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TOC	1.000	1.000mg/uL	SSM-TOC:29.29% SSM-TC:40.07% SSM-IC:10.78%

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	300.9	300.9	1515ug	30.30%	5.000mg	5uL	E	NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 10:45:47 AM
2	400.1	400.1	2004ug	40.07%	5.000mg	5uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 10:55:26 AM

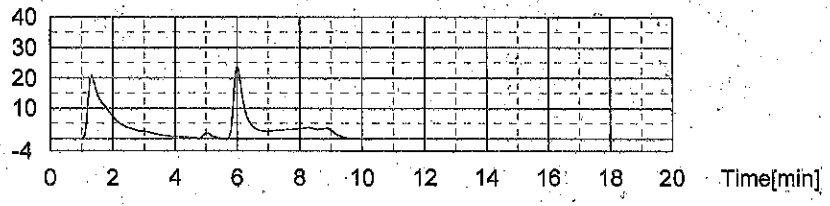
Mean Area	400.1
Mean CNV	400.1
Mean Conc.	40.07%



Anal.: SSM-IC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	97.46	97.46	478.4ug	9.567%	5.000mg	5uL	E	NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 11:45:36 AM
2	109.7	109.7	539.1ug	10.78%	5.000mg	5uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 11:54:33 AM

Mean Area	109.7
Mean CNV	109.7
Mean Conc.	10.78%



Sample

Sample Name:	CCB
Sample ID:	Untitled
Origin:	SSM-TC-IC 230223.met
Status	Completed
Chk. Result	

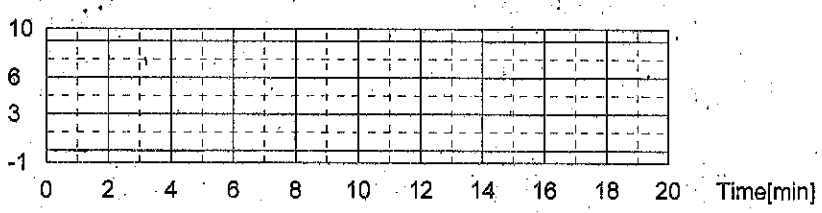
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TOC	1.000	1.000mg/uL	SSM-TOC:0.00858% SSM-TC:0.00672% SSM-IC:-0.00185%

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.000	0.000	33.62ug	0.00672%	500.0mg	500uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 12:06:15 PM

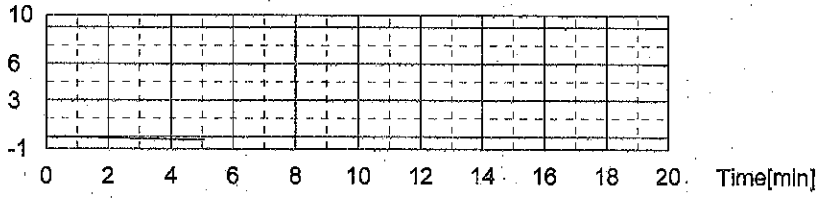
Mean Area 0.000
Mean CNV 0.000
Mean Conc. 0.00672%



Anal.: SSM-IC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.000	0.000	-5.562ug	-0.00185%	300.0mg	300uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 12:11:43 PM

Mean Area 0.000
Mean CNV 0.000
Mean Conc. -0.00185%



Sample

Sample Name: MB00508S1
Sample ID: Untitled
Origin: SSM-TC-IC 230223.met
Status Completed
Chk. Result

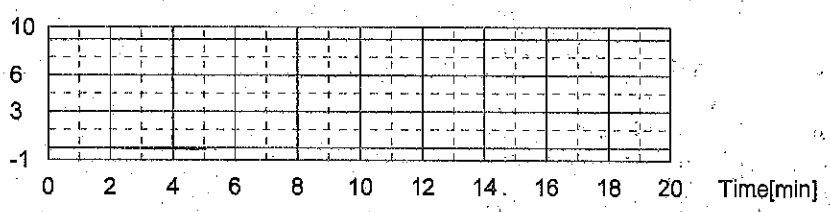
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TOC	1.000	1.000mg/uL	SSM-TOC:0.00858% SSM-TC:0.00672% SSM-IC:-0.00185%

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.000	0.000	33.62ug	0.00672%	500.0mg	500uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 12:20:53 PM

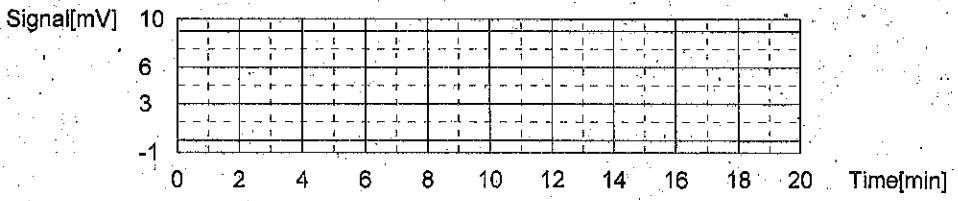
Mean Area 0.000
Mean CNV 0.000
Mean Conc. 0.00672%



Anal.: SSM-IC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.000	0.000	-5.562ug	-0.00185%	300.0mg	300uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 12:27:06 PM

Mean Area 0.000
Mean CNV 0.000
Mean Conc. -0.00185%



Sample

Sample Name: SB0508S1
Sample ID: Untitled
Origin: SSM-TC-IC 230223.met
Status Completed
Chk. Result

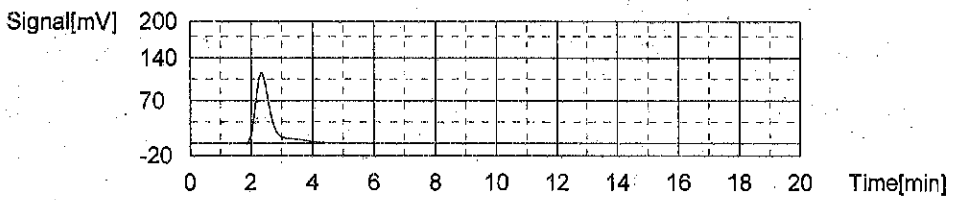
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TOC	1.000	1.000mg/uL	SSM-TOC:29.93% SSM-TC:40.77% SSM-IC:10.84%

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	407.2	407.2	2039ug	40.77%	5.000mg	5uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 12:38:25 PM

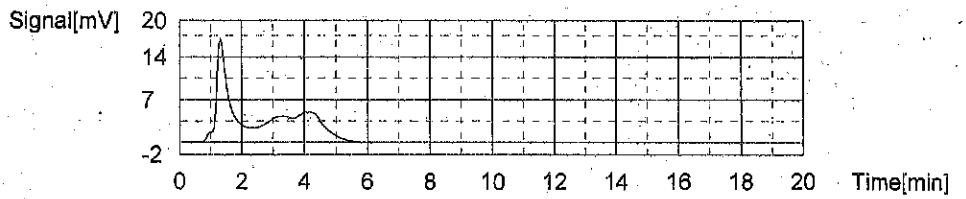
Mean Area 407.2
Mean CNV 407.2
Mean Conc. 40.77%



Anal.: SSM-IC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	110.3	110.3	542.1ug	10.84%	5.000mg	5uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 12:45:48 PM

Mean Area 110.3
Mean CNV 110.3
Mean Conc. 10.84%



Sample

Sample Name: 03-330-03b
Sample ID: Untitled
Origin: SSM-TC-IC 230223.met
Status Completed
Chk. Result

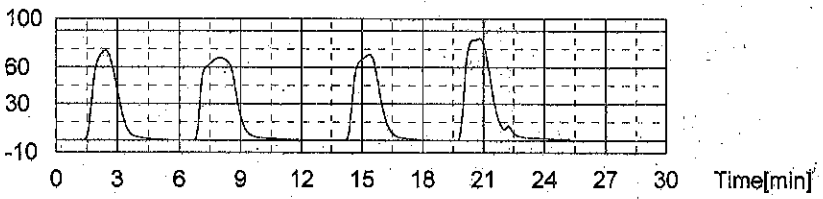
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TOC	1.000	1.000mg/uL	SSM-TOC:6.567% SSM-TC:7.039% SSM-IC:0.4725%

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	581.7	581.7	2898ug	6.512%	44.50mg	44uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 12:55:46 PM
2	743.2	772.7	3693ug	8.629%	42.80mg	42uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 1:09:27 PM
3	604.8	585.1	3012ug	6.547%	46.00mg	46uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 1:19:18 PM
4	742.0	579.3	3687ug	6.469%	57.00mg	57uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 1:30:44 PM

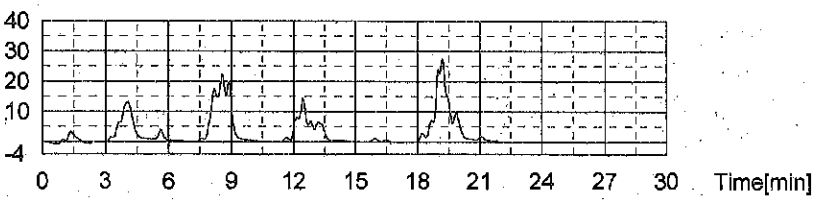
Mean Area 667.9
Mean CNV 629.7
Mean Conc. 7.039%



Anal.: SSM-IC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	12.41	12.41	56.06ug	0.1335%	42.00mg	42uL	E	NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 1:34:15 PM
2	64.80	34.28	316.2ug	0.3982%	79.40mg	79uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 1:41:07 PM
3	121.1	42.85	595.7ug	0.5019%	118.7mg	118uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 1:46:19 PM
4	74.45	32.54	364.1ug	0.3789%	96.10mg	96uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 1:51:31 PM
5	3.241	1.759	10.53ug	0.01361%	77.40mg	77uL	E	NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 1:54:46 PM
6	131.7	52.13	648.4ug	0.6111%	106.1mg	106uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 2:03:02 PM

Mean Area 98.01
Mean CNV 40.45
Mean Conc. 0.4725%



Sample

Sample Name: 03-330-03b DUP
Sample ID: Untitled
Origin: SSM-TC-IC 230223.met
Status Completed
Chk. Result

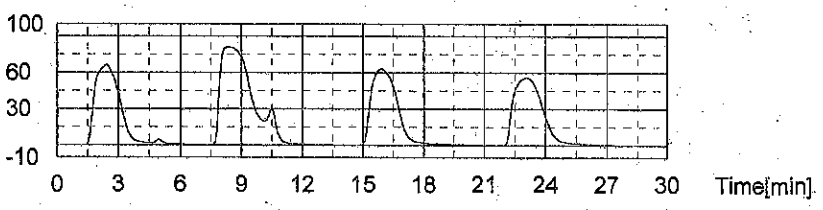
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TOC	1.000	1.000mg/uL	SSM-TOC:6.170% SSM-TC:6.481% SSM-IC:0.3114%

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	556.2	556.2	2772ug	5.899%	47.00mg	47uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 2:13:57 PM
2	899.3	790.0	4462ug	8.340%	53.50mg	53uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 2:29:51 PM
3	558.1	509.3	2782ug	5.401%	51.50mg	51uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 2:49:09 PM
4	550.9	592.5	2746ug	6.284%	43.70mg	43uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 3:00:14 PM

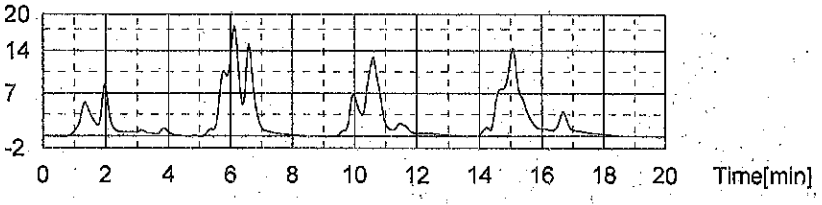
Mean Area 641.1
Mean CNV 612.0
Mean Conc. 6.481%



Anal.: SSM-IC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	34.19	34.19	164.2ug	0.1964%	83.60mg	83uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 3:05:38 PM
2	88.68	69.61	434.8ug	0.4082%	106.5mg	106uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 3:10:50 PM
3	59.32	48.57	289.0ug	0.2830%	102.1mg	102uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 3:16:12 PM
4	76.69	61.18	375.2ug	0.3580%	104.8mg	104uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 3:22:21 PM

Mean Area 64.72
Mean CNV 53.39
Mean Conc. 0.3114%



Sample

Sample Name: 03-330-04b
Sample ID: Untitled
Origin: SSM-TC-IC 230223.met
Status Completed
Chk. Result

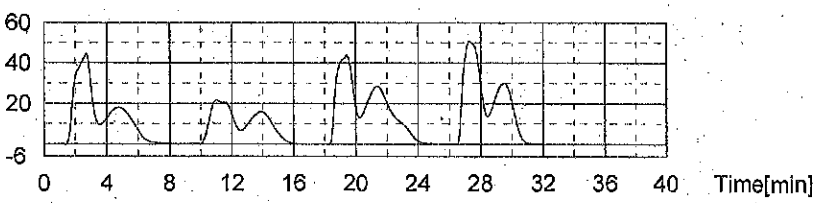
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TOC	1.000	1.000mg/uL	SSM-TOC:4.915% SSM-TC:9.482% SSM-IC:4.567%

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	553.7	553.7	2760ug	9.452%	29.20mg	29uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 3:36:17 PM
2	396.9	531.6	1988ug	9.119%	21.80mg	21uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 3:51:21 PM
3	689.5	564.0	3429ug	9.604%	35.70mg	35uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 4:03:53 PM
4	650.7	572.3	3238ug	9.752%	33.20mg	33uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 4:19:19 PM

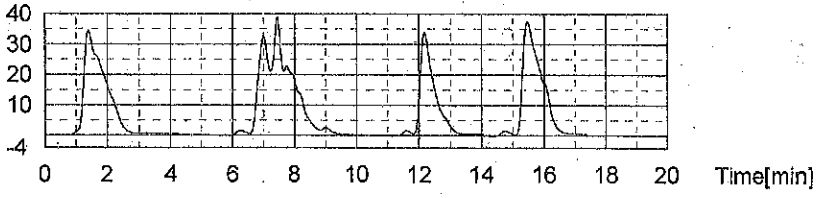
Mean Area 572.7
Mean CNV 555.4
Mean Conc. 9.482%



Anal.: SSM-IC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	162.4	162.4	800.8ug	5.561%	14.40mg	14uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 4:30:07 PM
2	244.9	138.3	1210ug	4.747%	25.50mg	25uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 4:37:30 PM
3	105.0	108.8	515.8ug	3.711%	13.90mg	13uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 4:42:03 PM
4	151.7	124.1	747.7ug	4.248%	17.60mg	17uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 4:50:02 PM

Mean Area 166.0
Mean CNV 133.4
Mean Conc. 4.567%



Sample

Sample Name: 03-330-05b
Sample ID: Untitled
Origin: SSM-TC-IC 230223.met
Status Completed
Chk. Result

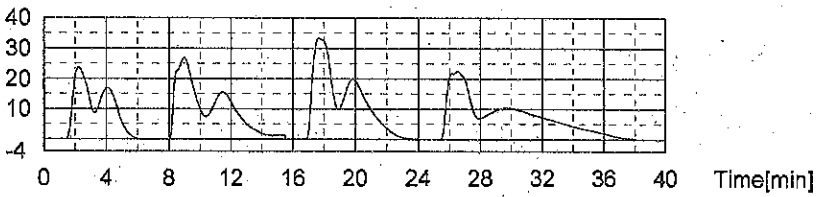
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TOC	1.000	1.000mg/uL	SSM-TOC:3.901% SSM-TC:8.233% SSM-IC:4.332%

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	307.0	307.0	1545ug	8.398%	18.40mg	18uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 5:03:32 PM
2	414.3	292.1	2074ug	7.945%	26.10mg	26uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 5:20:08 PM
3	514.6	298.7	2567ug	8.099%	31.70mg	31uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 5:32:55 PM
4	555.3	313.4	2768ug	8.490%	32.60mg	32uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 5:51:16 PM

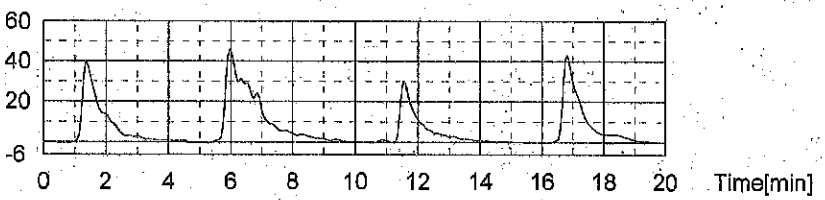
Mean Area 447.8
Mean CNV 302.8
Mean Conc. 8.233%



Anal.: SSM-IC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	163.8	163.8	807.8ug	3.574%	22.60mg	22uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 6:02:05 PM
2	289.7	236.4	1433ug	5.173%	27.70mg	27uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 6:10:53 PM
3	127.2	206.8	626.0ug	4.504%	13.90mg	13uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 6:17:26 PM
4	173.6	186.8	856.4ug	4.078%	21.00mg	21uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 6:22:38 PM

Mean Area 188.6
Mean CNV 198.5
Mean Conc. 4.332%



Sample

Sample Name: CCV2050823N
Sample ID: Untitled
Origin: SSM-TC-IC 230223.met
Status Completed
Chk. Result

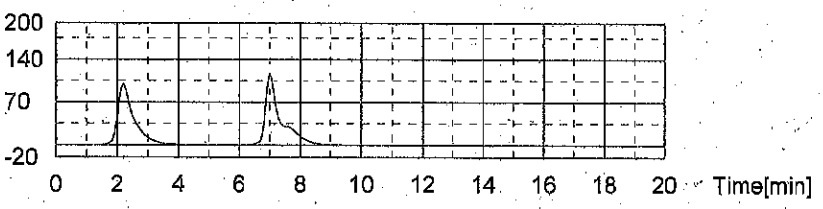
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TOC	1.000	1.000mg/uL	SSM-TOC:29.57% SSM-TC:40.30% SSM-IC:10.73%

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	363.6	363.6	1824ug	36.48%	5.000mg	5uL	E	NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 6:41:06 PM
2	402.4	402.4	2015ug	40.30%	5.000mg	5uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 6:50:54 PM

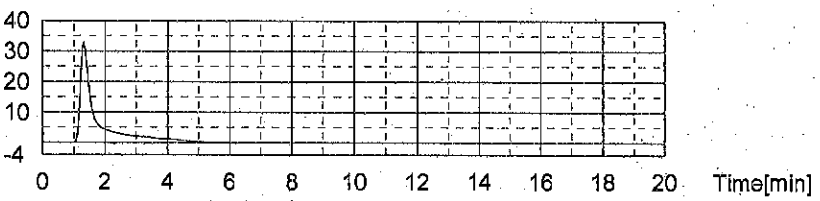
Mean Area 402.4
Mean CNV 402.4
Mean Conc. 40.30%



Anal.: SSM-IC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	109.2	109.2	536.7ug	10.73%	5.000mg	5uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 7:00:12 PM

Mean Area 109.2
Mean CNV 109.2
Mean Conc. 10.73%



Sample

Sample Name: CCB
Sample ID: Untitled
Origin: SSM-TC-IC 230223.met
Status Completed
Chk. Result

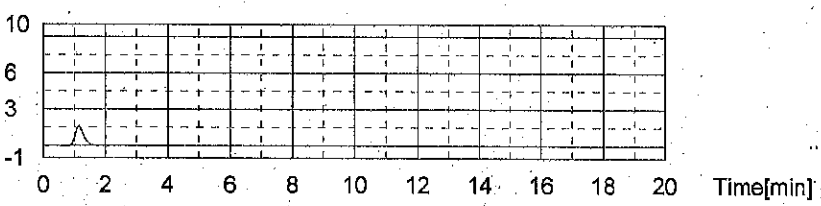
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TOC	1.000	1.000mg/uL	SSM-TOC:0.01120% SSM-TC:0.00972% SSM-IC:-0.00149%

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	3.038	3.038	48.58ug	0.00972%	500.0mg	500uL		NEW TC CAL.2023_02_23_12_51_18.cal	5/8/2023 7:03:54 PM

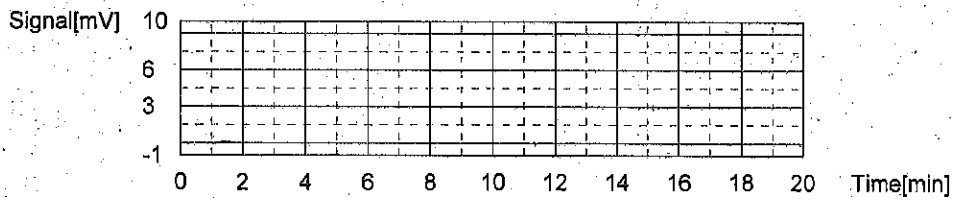
Mean Area 3.038
Mean CNV 3.038
Mean Conc. 0.00972%



Anal.: SSM-IC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.2216	0.2216	-4.462ug	-0.00149%	300.0mg	300uL		NEW IC CAL.2023_02_23_15_16_45.cal	5/8/2023 7:12:36 PM

Mean Area	0.2216
Mean CNV	0.2216
Mean Conc.	-0.00149%



TITLE **PROJECT**

Continued from page

STD NAME	ID#	SOURCE	SOURCE LOT#	EXP	INITIAL CONC	INITIAL VOL	FINAL CONC	FINAL VOL	INT.	DATE
ICV 5.0	TOC-026-01	Chem. Lab TOC 022-077	L293-02 ICV-04	2-23	1000	0.50	5.0	100	BK	5-17-22
50	02					5.0	50			
TOC 50	TOC-26-03	TOC-25-31	L240207	8/23	10,000	5.0	50	1000	BK	6/29/22
TOC 5.0	TOC-26-04	TOC-25-31	L240207	8/23	10,000	0.5	5.0	1000	BK	6/29/22
TOC 5.0	TOC-26-05	TOC-25-31	L240207	8/23	10,000	0.50	50	1000	BK	8-2-22
TOC 50	TOC-26-06	TOC-25-31	L240207	8/23	10,000	5.0	50	1000	BK	8-2-22
Na_2CO_3 ccv	TOC-26-07	NWR	B240599	8/23	1.00 2[illegible]	0.02 g	20,000	50	BK	8-7-22
TOC 5.0	TOC-26-08	TOC-25-31	L240207	9/23	10,000	0.5	50	1000	BK	9-29-22
TOC 50	TOC-26-09	〃	〃	9/23	〃	5.0	50	〃	〃	〃
TOC 5.0	TOC-26-10	TOC-25-31	L240207	10/23	10,000	0.50	5.0	1000	BK	10-6-22
TOC CAL 10	TOC-26-11	TOC-25-31	L240207	10/23	10,000	0.10	10	100	BK	10-7-22
ICV 5.0	TOC-26-12	LABCHEM	L293-02	2/23	1000	0.50	5.0	100	BK	10-7-22
TOC 5.0	TOC-26-13	TOC-25-31	L240207	10/23	10,000	0.50	5.0	1000	BK	10-7-22
TOC 50	TOC-26-14	TOC-25-31	L240207	10/23	10,000	5.0	50	1000	BK	11-2-22
TOC STOCK	TOC-26-15	GFS	L240207	5/23	neat	2.1213g	10,000	100	BK	11-3-22
TOC 5.0	TOC-26-16	TOC-26-15	L240207	5/23	10,000	0.50	5.0	1000	BK	11-3-22
TOC 50	TOC-26-17	〃	〃	〃	〃	5.0	50	〃	〃	〃
TOC CAL 10	TOC-26-18	TOC-26-15	L240207	5-23	10000	0.10	10	100	BK	12-15-22
TOC CAL 100	TOC-26-19	〃	〃	〃	〃	1.0	100			
ICV 5.0	TOC-26-20	LABCHEM CHEM	L293-02	2-23	1000	0.50	5.0			
ICV 50.0	TOC-26-21	〃	〃	〃	〃	5.0	50	〃	〃	〃
TOC 5.0	TOC-26-22	TOC-26-15	L240207	5/23	10,000	0.50	5.0	1000	PD	1/9/23
TOC 50	-23	〃	〃	〃	〃	5.0	50	〃	〃	〃
TOC 5.0	TOC-26-24	TOC-26-15	L240207	5/23	10,000	0.5	5.0	1000	PD	1/10/23
TOC 50	-25	〃	〃	〃	〃	5.0	50	〃	〃	〃
ICV 5.0	TOC-26-26	LABCHEM	L293-02	8-23-23	1000	0.10	10.0	100	BK	2-2-23
ICV 50.0	TOC-26-27	〃	〃	〃	〃	1.0	100	〃	〃	〃
Sucrose	TOC-26-28	Fisher	075399	8-23	neat	1.004	20,000 50	50	BK	2-22-23
〃	TOC-26-29	〃	〃	8-23	〃	0.001	80,000	〃	〃	〃
Sucrose ICV	TOC-26-30	AIBA	0079010	8-23	〃	1.003	20,000	〃	〃	〃
Na_2CO_3	TOC-26-31	SIGMA NWR	B240599	8-23	〃	1.002	20000	〃	〃	〃
Na_2CO_3 ICV	TOC 26-32	Sigma	116K0113	8-23	〃	1.004	20,000	〃	〃	〃
TOC 5.0										
TOC 50 BK			BK 2-28-23							

Continued to page

SIGNATURE DATE

DISCLOSED TO AND UNDERSTOOD BY DATE

Total Metals EPA 6020/7471B

- Sample Data
- QA/QC Data
- Initial Calibration Data
- Continuing Calibration Data
- Administrative Forms

Report Generated By Teledyne Leeman QuickTrace

Analyst: JBadger,Ruby Reagan

Worksheet file: C:\Users\Public\Documents\Teledyne CETAC\QuickTrace\Worksheets\05 May 2023\I230505S1.wszf

Creation Date: 5/5/2023 12:30:57 PM

Comment:

KMR 6-9-23

Results

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual Flags	% Recovery
Calibration Blank	STD	05/05/23 01:21:45 pm	0.00000	93	21.27		N/A
Standard #1 (0.05 ug/L)	STD	05/05/23 01:24:16 pm	0.05000	816	1.47	-2.60%	N/A
Standard #2 (0.5 ug/L)	STD	05/05/23 01:26:48 pm	0.50000	7632	0.65	1.49%	N/A
Standard #3 (2.5 ug/L)	STD	05/05/23 01:29:20 pm	2.50000	38105	0.44	2.33%	N/A
Standard #4 (5.0 ug/L)	STD	05/05/23 01:31:53 pm	5.00000	75664	0.41	1.72%	N/A
Standard #5 (10.0 ug/L)	STD	05/05/23 01:36:46 pm	10.00000	147812	0.36	-0.58%	N/A

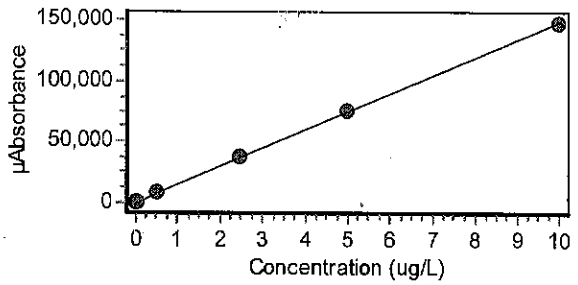
Calibration

Equation: Abs = 14858.133x + 92.542

R2: 0.99978 RSE: 2.43%

SEE: 1024.2250

Flags:



ICV	ICV	05/05/23 01:40:45 pm	5.07290	75466	0.42		101.46
ICB	ICB	05/05/23 01:44:02 pm	-0.00020	90	216.91		N/A
CCV	CCV	05/05/23 01:48:08 pm	5.16590	76848	0.75		103.32
CCB	CCB	05/05/23 01:51:19 pm	-0.00176	66	40.23		N/A
MB0505S1	UNK	05/05/23 01:53:50 pm	0.00576	178	69.47		N/A
SB0505S1	UNK	05/05/23 01:56:22 pm	4.85110	72170	1.64		N/A
04-320-01	UNK	05/05/23 01:59:49 pm	0.27181	4131	0.52		N/A
04-320-01 D	UNK	05/05/23 02:02:21 pm	0.29033	4406	1.40		N/A
04-320-01 L	UNK	05/05/23 02:04:53 pm	0.05560	919	0.79		N/A
04-320-01 MS	UNK	05/05/23 02:07:26 pm	4.74930	70658	0.49		N/A
04-320-01 MSD	UNK	05/05/23 02:12:42 pm	4.72850	70349	0.38		N/A
04-320-02	UNK	05/05/23 02:16:00 pm	0.15001	2321	1.33		N/A
04-320-03	UNK	05/05/23 02:18:32 pm	0.29178	4428	0.97		N/A
04-320-04	UNK	05/05/23 02:21:04 pm	0.48353	7277	2.25		N/A
CCV	CCV	05/05/23 02:23:36 pm	4.97250	73974	0.41		99.45
CCB	CCB	05/05/23 02:26:53 pm	-0.00096	78	78.71		N/A
05-006-01a	UNK	05/05/23 02:30:18 pm	0.19558	2999	0.57		N/A
05-006-02a	UNK	05/05/23 02:32:51 pm	0.23325	3558	0.99		N/A
05-006-03a	UNK	05/05/23 02:35:23 pm	0.13992	2172	0.79		N/A
05-007-01	UNK	05/05/23 02:37:56 pm	0.07846	1258	0.88		N/A
05-007-02	UNK	05/05/23 02:40:29 pm	0.13123	2042	0.33		N/A
04-323-01a	UNK	05/05/23 02:43:01 pm	0.07860	1260	0.92		N/A

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual Flags	% Recovery
04-323-02a	UNK	05/05/23 02:45:33 pm	0.19782	3032	0.73		N/A
04-323-03a	UNK	05/05/23 02:48:05 pm	0.31589	4786	1.22		N/A
04-323-04a	UNK	05/05/23 02:50:37 pm	0.26625	4049	4.67		N/A
04-323-05a	UNK	05/05/23 02:53:09 pm	0.20883	3195	1.19		N/A
CCV	CCV	05/05/23 02:55:41 pm	4.99730	74342	2.49		99.95
CCB	CCB	05/05/23 02:59:06 pm	-0.01710	-162	5.40		N/A
04-323-06a	UNK	05/05/23 03:01:39 pm	0.31757	4811	4.92		N/A
04-323-07a	UNK	05/05/23 03:04:11 pm	0.14413	2234	0.96		N/A
04-323-08a	UNK	05/05/23 03:09:06 pm	0.27084	4117	1.19		N/A
04-323-09a	UNK	05/05/23 03:11:37 pm	0.14713	2279	0.45		N/A
MB0505S2	UNK	05/05/23 03:14:09 pm	0.00020	96	220.94		N/A
SB0505S2	UNK	05/05/23 03:16:42 pm	5.07360	75477	0.58		N/A
04-332-19a	UNK	05/05/23 03:20:05 pm	0.09835	1554	1.63		N/A
04-332-19a D	UNK	05/05/23 03:22:38 pm	0.09525	1508	1.28		N/A
04-332-19a L	UNK	05/05/23 03:25:10 pm	0.01805	361	4.81		N/A
04-332-19a MS	UNK	05/05/23 03:27:43 pm	4.92460	73263	0.58		N/A
CCV	CCV	05/05/23 03:31:02 pm	4.94160	73515	0.36		98.83
CCB	CCB	05/05/23 03:34:12 pm	-0.00213	61	60.07		N/A
04-332-19a MSD	UNK	05/05/23 03:36:43 pm	4.87540	72532	0.49		N/A
04-332-02a	UNK	05/05/23 03:40:15 pm	0.46903	7061	1.08		N/A
04-332-09a	UNK	05/05/23 03:42:47 pm	0.38401	5798	0.94		N/A
04-332-25a	UNK	05/05/23 03:45:20 pm	1.26260	18852	0.84		N/A
04-332-31a	UNK	05/05/23 03:47:52 pm	0.12373	1931	0.27		N/A
04-322-01b	UNK	05/05/23 03:50:25 pm	0.07444	1199	9.86		N/A
04-322-02b	UNK	05/05/23 03:52:58 pm	0.09517	1507	0.65		N/A
04-322-03b	UNK	05/05/23 03:55:30 pm	0.14454	2240	0.73		N/A
04-322-04b	UNK	05/05/23 03:58:02 pm	0.18048	2774	1.59		N/A
04-322-05b	UNK	05/05/23 04:00:34 pm	0.56509	8489	0.34		N/A
CCV	CCV	05/05/23 04:03:06 pm	4.96500	73864	0.70		99.30
CCB	CCB	05/05/23 04:06:19 pm	-0.00081	80	75.72		N/A
04-330-01a	UNK	05/05/23 04:08:52 pm	0.63121	9471	0.60		N/A
04-330-02a	UNK	05/05/23 04:11:24 pm	5.04890	75109	2.85		N/A
04-330-03a	UNK	05/05/23 04:15:57 pm	2.45350	36547	0.94		N/A
04-330-04a	UNK	05/05/23 04:18:30 pm	0.82111	12293	1.11		N/A
04-330-05a	UNK	05/05/23 04:21:02 pm	0.45842	6904	0.39		N/A
CCV	CCV	05/05/23 04:23:35 pm	4.87830	72574	0.56		97.57
CCB	CCB	05/05/23 04:26:44 pm	-0.00360	39	13.07		N/A

Dataset Report

6-9-23
KPM

User Name: kmckinney
Computer Name: ICPMS
Dataset File Path: C:\NexION\Data_kmckinney\DataSet\X230505A\
Report Date/Time: Friday, June 09, 2023 11:06:05

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
SmartTune - N	Nebulizer Gas Flow S	08:14:48 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\Nebulizer Gas Flow STD-KI	
SmartTune - A	AutoLens STD/DRC	08:17:21 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\AutoLens STD-DRC.002	
SmartTune - K	KED Mode AutoLens	08:23:36 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\KED Mode AutoLens.003	
SmartTune - D	Daily Performance Ch	08:28:17 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\Daily Performance Check.0	
SmartTune - D	Daily Performance Ch	08:30:44 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\Daily Performance Check.0	
SmartTune - M	Mass Calibration and R	08:33:22 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\Mass Calibration and Resol	
SmartTune - M	Mass Calibration and R	08:35:33 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\Mass Calibration and Resol	
SmartTune - M	Mass Calibration and R	08:37:43 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\Mass Calibration and Resol	
	Blank	09:28:44 Fri 05-Ma	Blank	C:\NexION\Data_kmckinney\DataSet\X230505A\Blank.016	
	Standard 1	09:33:31 Fri 05-Ma	Standard #1	C:\NexION\Data_kmckinney\DataSet\X230505A\Standard 1.017	
	Standard 2	09:38:17 Fri 05-Ma	Standard #2	C:\NexION\Data_kmckinney\DataSet\X230505A\Standard 2.018	
	Standard 3	09:43:03 Fri 05-Ma	Standard #3	C:\NexION\Data_kmckinney\DataSet\X230505A\Standard 3.019	
	Standard 4	09:47:50 Fri 05-Ma	Standard #4	C:\NexION\Data_kmckinney\DataSet\X230505A\Standard 4.020	
	Standard 5	09:52:37 Fri 05-Ma	Standard #5	C:\NexION\Data_kmckinney\DataSet\X230505A\Standard 5.021	
	Standard 6	09:57:23 Fri 05-Ma	Standard #6	C:\NexION\Data_kmckinney\DataSet\X230505A\Standard 6.022	
	Standard 7	10:02:10 Fri 05-Ma	Standard #7	C:\NexION\Data_kmckinney\DataSet\X230505A\Standard 7.023	
	QC Std 1	10:07:47 Fri 05-Ma	QC Std #1	C:\NexION\Data_kmckinney\DataSet\X230505A\QC Std 1.024	
	QC Std 2	10:13:24 Fri 05-Ma	QC Std #2	C:\NexION\Data_kmckinney\DataSet\X230505A\QC Std 2.025	
	QC Std 3	10:36:29 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\QC Std 3.029	
	QC Std 4	10:54:45 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\QC Std 4.032	
	QC Std 5	11:00:21 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\QC Std 5.033	
	QC Std 6	11:05:58 Fri 05-Ma	QC Std #6	C:\NexION\Data_kmckinney\DataSet\X230505A\QC Std 6.034	
	QC Std 8	11:12:20 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\QC Std 8.035	
	ICSA	11:17:56 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\ICSA.036	
	ICSAB	11:23:31 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\ICSAB.037	
	MB0505SM1 5X	11:29:18 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\MB0505SM1 5X.038	
	SB0505SM1 100X	11:34:53 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\SB0505SM1 100X.039	
	04-330-02a 5X	11:40:28 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-02a 5X.040	
	04-330-02a 50X	11:53:21 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-02a 50X.041	
	04-330-02aD 50X	11:58:56 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-02aD 50X.042	
	04-330-02aL 250X	12:04:32 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-02aL 250X.043	
	04-330-02aMS 100X	12:10:09 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-02aMS 100X.044	
	04-330-02aMSD 100X	12:15:44 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-02aMSD 100X.045	
	QC Std 6	12:21:21 Fri 05-Ma	QC Std #6	C:\NexION\Data_kmckinney\DataSet\X230505A\QC Std 6.046	
	QC Std 8	12:29:31 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\QC Std 8.047	
	04-330-02aPS 50X	12:35:08 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-02aPS 50X.048	
	04-330-01a 50X	12:43:54 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-01a 50X.050	
	04-330-03a 50X	12:49:29 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-03a 50X.051	
	04-330-04a 50X	12:55:04 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-04a 50X.052	
	04-330-05a 50X	13:00:39 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-05a 50X.053	
	04-330-02a 25X	13:07:14 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-02a 25X.054	
	04-330-02aD 25X	13:12:49 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-02aD 25X.055	
	04-330-02aL 125X	13:18:24 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-02aL 125X.056	
	04-330-02aPS 25X	13:23:59 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-02aPS 25X.057	
	04-330-01a 10X	13:30:36 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-01a 10X.058	
	QC Std 6	13:36:12 Fri 05-Ma	QC Std #6	C:\NexION\Data_kmckinney\DataSet\X230505A\QC Std 6.059	
	QC Std 8	13:41:49 Fri 05-Ma	QC Std #8	C:\NexION\Data_kmckinney\DataSet\X230505A\QC Std 8.060	
	04-330-03a 25X	13:46:54 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-03a 25X.061	
	04-330-04a 10X	13:52:30 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-04a 10X.062	
	04-330-05a 10X	13:58:05 Fri 05-Ma	Sample	C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-05a 10X.063	

MB0505SM2 5X	14:12:21 Fri 05-MaSample	C:\NexION Data_kmckinney\DataSet\X230505A\MB0505SM2 5X.065
SB0505SM2 100X	14:17:56 Fri 05-MaSample	C:\NexION Data_kmckinney\DataSet\X230505A\SB0505SM2 100X.066
04-330-02a 50X	14:23:32 Fri 05-MaSample	C:\NexION Data_kmckinney\DataSet\X230505A\04-330-02a 50X.067
04-330-02aD 50X	14:29:08 Fri 05-MaSample	C:\NexION Data_kmckinney\DataSet\X230505A\04-330-02aD 50X.068
04-330-02aL 250X	14:34:43 Fri 05-MaSample	C:\NexION Data_kmckinney\DataSet\X230505A\04-330-02aL 250X.069
04-330-02aMS 100X	14:40:18 Fri 05-MaSample	C:\NexION Data_kmckinney\DataSet\X230505A\04-330-02aMS 100X.070
QC Std 6	14:52:47 Fri 05-MaSample	C:\NexION Data_kmckinney\DataSet\X230505A\QC Std 6.072
QC Std 8	14:58:23 Fri 05-MaSample	C:\NexION Data_kmckinney\DataSet\X230505A\QC Std 8.073
04-330-02aMSD 100X	15:03:59 Fri 05-MaSample	C:\NexION Data_kmckinney\DataSet\X230505A\04-330-02aMSD 100X.074
04-330-02aPS 50X	15:09:34 Fri 05-MaSample	C:\NexION Data_kmckinney\DataSet\X230505A\04-330-02aPS 50X.075
04-330-01a 50X	15:15:10 Fri 05-MaSample	C:\NexION Data_kmckinney\DataSet\X230505A\04-330-01a 50X.076
04-330-03a 50X	15:20:46 Fri 05-MaSample	C:\NexION Data_kmckinney\DataSet\X230505A\04-330-03a 50X.077
04-330-04a 50X	15:26:22 Fri 05-MaSample	C:\NexION Data_kmckinney\DataSet\X230505A\04-330-04a 50X.078
04-330-05a 50X	15:31:58 Fri 05-MaSample	C:\NexION Data_kmckinney\DataSet\X230505A\04-330-05a 50X.079
QC Std 6	15:37:34 Fri 05-MaQC Std #6	C:\NexION Data_kmckinney\DataSet\X230505A\QC Std 6.080
QC Std 8	15:43:11 Fri 05-MaQC Std #8	C:\NexION Data_kmckinney\DataSet\X230505A\QC Std 8.081

Daily Performance Report

Sample ID: Daily Performance Check
Sample Date/Time: Friday, May 05, 2023 08:30:44
Sample Description:
Method File: C:\NexION Data_kmckinney\Method\Daily Performance.mth
Dataset File: C:\NexION Data_kmckinney\DataSet\X230505A\Daily Performance Check.005
MassCal File: C:\NexION Data_kmckinney\MassCal\Default.tun
Conditions File: C:\NexION Data_kmckinney\Conditions\Default.dac
Dual Detector Mode: Pulse
Acq. Dead Time (ns): 35
Current Dead Time (ns): 35
Torch Z position (mm): 0.00

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD	Mode
	Be	9.0	5309.3	5309.320	147.050	2.8	Standard
	Mg	24.0	49036.0	49035.991	1987.628	4.1	Standard
	In	114.9	63733.1	63733.119	263.203	0.4	Standard
	U	238.1	47488.8	47488.803	282.897	0.6	Standard
⌈	CeO	155.9	1167.3	0.021	0.000	1.4	Standard
| >	Ce	139.9	55020.1	55020.083	197.343	0.4	Standard
⌊	Ce++	70.0	261.7	0.005	0.000	3.5	Standard
	Bkgd	220.0	0.0	0.000	0.000		Standard

Current Conditions File Data

Current Value	Description
1.05	Nebulizer Gas Flow STD/KED [NEB]
1.20	Auxiliary Gas Flow
16.00	Plasma Gas Flow
-12.00	Deflector Voltage
1600.00	ICP RF Power
-1650.00	Analog Stage Voltage
1100.00	Pulse Stage Voltage
0.00	Quadrupole Rod Offset STD [QRO]
-13.00	Cell Rod Offset STD [CRO]
11.00	Discriminator Threshold
-8.00	Cell Entrance/Exit Voltage STD
0.00	RPa
0.45	RPq
1.05	DRC Mode NEB
-8.00	DRC Mode QRO
-2.00	DRC Mode CRO
-14.00	DRC Mode Cell Entrance/Exit Voltage
0.60	Cell Gas A
0.00	Cell Gas B
375.00	Axial Field Voltage
-13.00	KED Mode CRO
-12.00	KED Mode QRO
-6.00	KED Mode Cell Entrance Voltage
-25.00	KED Mode Cell Exit Voltage
0.00	KED Cell Gas A
0.10	KED Cell Gas B
0.00	KED RPa
0.25	KED RPq

475.00 KED Mode Axial Field Voltage

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\NexIONData_kmckinney\Wizard\SmartTune\OnsiteSmartTune Daily.swz

Start Time: 5/5/2023 8:30:43 AM
End Time: 5/5/2023 8:33:03 AM

Daily Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9.0122): 5309.32
Obtained Intensity (Mg 23.985): 49035.99
Obtained Intensity (In 114.904): 63733.12
Obtained Intensity (U 238.05): 47488.80
Obtained Intensity (Bkgd 220): 0.00
Obtained Formula (CeO 155.9 / Ce 139.905): 0.021 (=1167.31 / 55020.08)
Obtained Formula (Ce++ 69.9527 / Ce 139.905): 0.005 (=261.74 / 55020.08)

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\NexIONData_kmckinney\Wizard\SmartTune\OnsiteSmartTune Daily.swz

Optimization Status

Start Time: 5/5/2023 8:30:43 AM

Daily Performance Check
    Optimization Settings:
        Method: Daily Performance.mth.
        Intensity Criterion: Be 9.0122 > 2000
        Intensity Criterion: Mg 23.985 > 15000
        Intensity Criterion: In 114.904 > 40000
        Intensity Criterion: U 238.05 > 30000
        Intensity Criterion: Bkgd 220 <= 1
        Formula Criterion: CeO 155.9 / Ce 139.905 <= 0.025
        Formula Criterion: Ce++ 69.9527 / Ce 139.905 <= 0.03

    Optimization Results:
    Initial Try
        Obtained Intensity (Be 9.0122): 5309.32
        Obtained Intensity (Mg 23.985): 49035.99
        Obtained Intensity (In 114.904): 63733.12
        Obtained Intensity (U 238.05): 47488.80
        Obtained Intensity (Bkgd 220): 0.00
        Obtained Formula (CeO 155.9 / Ce 139.905): 0.021 (=1167.31 / 55020.08)
        Obtained Formula (Ce++ 69.9527 / Ce 139.905): 0.005 (=261.74 / 55020.08)
[Passed] Optimum value(s): N/A

End Time: 5/5/2023 8:33:03 AM

Instrument Mass Calibration Report

File Name: Default.tun
File Path: C:\NexION Data_kmckinney\MassCal\Default.tun
Acq. Date/Time: 08:37:43 Fri 05-May-23

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Peak Width	Custom Res.
Li	7.016	6.975	1236	2079	0.709	
Mg	23.985	23.975	4620	2082	0.720	
In	114.904	114.875	22770	2087	0.702	
U	238.050	238.025	47376	2085	0.698	

Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Sc	44.956	Linear Thru Zero	0.00	0.00	0.000000
Cr	51.941	Linear Thru Zero	0.03	0.00	1.000000
Cr	52.941	Linear Thru Zero	0.00	0.00	1.000000
Ni	57.935	Linear Thru Zero	0.03	0.00	0.999961
Ni	59.933	Linear Thru Zero	0.01	0.00	0.999983
Ni	61.928	Linear Thru Zero	0.00	0.00	0.999982
Cu	62.930	Linear Thru Zero	0.02	0.00	0.999986
Cu	64.928	Linear Thru Zero	0.01	0.00	0.999983
Zn	65.926	Linear Thru Zero	0.01	0.00	0.999993
Zn	66.927	Linear Thru Zero	0.00	0.00	0.999983
Zn	67.925	Linear Thru Zero	0.00	0.00	0.999996
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000
As	74.922	Linear Thru Zero	0.00	0.00	0.999992
As-1	74.922	Linear Thru Zero	0.01	0.00	0.999994
Se	76.920	Linear Thru Zero	0.00	0.00	0.999933
Se	77.917	Linear Thru Zero	0.00	0.00	0.999996
Br	78.918	Linear Thru Zero	0.00	0.00	0.000000
Se	81.917	Linear Thru Zero	0.00	0.00	0.999999
Kr	82.914	Linear Thru Zero	0.00	0.00	0.000000
Y	88.905	Linear Thru Zero	0.00	0.00	0.000000
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
Ag	106.905	Linear Thru Zero	0.03	0.00	0.999968
Cd	110.904	Linear Thru Zero	0.01	0.00	0.999998
Cd	113.904	Linear Thru Zero	0.02	0.00	0.999991
In	114.904	Linear Thru Zero	0.00	0.00	0.000000
Ba	134.906	Linear Thru Zero	0.01	0.00	0.999970
Ba	136.905	Linear Thru Zero	0.01	0.00	0.999978
Tb	158.925	Linear Thru Zero	0.00	0.00	0.000000
Ho	164.930	Linear Thru Zero	0.00	0.00	0.000000
Pb	207.977	Linear Thru Zero	0.11	0.00	0.999995
Bi	208.980	Linear Thru Zero	0.00	0.00	0.000000
Th	232.038	Linear Thru Zero	0.00	0.00	0.000000
Cr-1	51.941	Linear Thru Zero	0.12	0.00	0.999886
Cr-1	52.941	Linear Thru Zero	0.01	0.00	0.999963
Ni-1	57.935	Linear Thru Zero	0.16	0.00	0.999899
Ni-1	59.933	Linear Thru Zero	0.07	0.00	0.999896
Ni-1	61.928	Linear Thru Zero	0.01	0.00	0.999818
Cu-1	62.930	Linear Thru Zero	0.19	0.00	0.999862
Cu-1	64.928	Linear Thru Zero	0.09	0.00	0.999814
Zn-1	65.926	Linear Thru Zero	0.01	0.00	0.999927
Zn-1	66.927	Linear Thru Zero	0.00	0.00	0.999877
Zn-1	67.925	Linear Thru Zero	0.01	0.00	0.999965
Ge-1	71.922	Linear Thru Zero	0.00	0.00	0.000000
As-2	74.922	Linear Thru Zero	0.01	0.00	0.999899
Se-1	77.917	Linear Thru Zero	0.00	0.00	0.998982
Y-1	88.905	Linear Thru Zero	0.00	0.00	0.000000
Rh-1	102.905	Linear Thru Zero	0.00	0.00	0.000000
Cd-1	110.904	Linear Thru Zero	0.02	0.00	0.999932
Cd-1	113.904	Linear Thru Zero	0.06	0.00	0.999982
In-1	114.904	Linear Thru Zero	0.00	0.00	0.000000

Quantitative Analysis - Summary Report

Sample ID: Blank

Sample Date/Time: Friday, May 05, 2023 09:28:44
Report Date/Time: Friday, June 09, 2023 11:05:37
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\Blank.016

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	264714.8	4.2				ug/L		Standard
	Cr	52	5819.9	2.4				ug/L		Standard
	Cr	53	292.0	2.5				ug/L		Standard
	Ni	58	-964.6	1.5				ug/L		Standard
	Ni	60	18.3	17.5				ug/L		Standard
	Ni	62	37.0	13.5				ug/L		Standard
	Cu	63	79.3	16.5				ug/L		Standard
	Cu	65	33.0	16.0				ug/L		Standard
	Zn	66	138.0	10.7				ug/L		Standard
	Zn	67	17.3	13.3				ug/L		Standard
	Zn	68	124.0	16.5				ug/L		Standard
>	Ge	72	161703.9	2.0				ug/L		Standard
	As	75	1932.5	1.5				ug/L		Standard
	As-1	75	1.8	2811.9				ug/L		Standard
	Se	77	40.0	34.4				ug/L		Standard
	Se	78	2324.2	1.2				ug/L		Standard
	Br	79	86.0	7.3				ug/L		Standard
	Se	82	38.0	12.1				ug/L		Standard
	Kr	83	43.0	8.4				ug/L		Standard
	Y	89	371442.5	3.8				ug/L		Standard
>	Rh	103	360412.6	2.7				ug/L		Standard
	Ag	107	366.0	1.2				ug/L		Standard
	Cd	111	248.8	9.7				ug/L		Standard
	Cd	114	8.0	38.4				ug/L		Standard
>	In	115	414507.7	1.3				ug/L		Standard
	Ba	135	23.3	19.3				ug/L		Standard
	Ba	137	32.7	16.9				ug/L		Standard
>	Tb	159	457622.1	1.9				ug/L		Standard
	Ho	165	489924.3	1.2				ug/L		Standard
	Pb	208	453.3	7.2				ug/L		Standard
	Bi	209	380337.9	2.9				ug/L		Standard
	Th	232	490287.5	2.7				ug/L		Standard
	Cr-1	52	159.0	11.8				ug/L		KED
	Cr-1	53	18.7	18.8				ug/L		KED
	Ni-1	58	8.6	7.2				ug/L		KED
	Ni-1	60	2.3	89.2				ug/L		KED
	Ni-1	62	1.3	43.3				ug/L		KED
	Cu-1	63	25.3	14.9				ug/L		KED
	Cu-1	65	9.3	32.7				ug/L		KED
	Zn-1	66	13.3	49.9				ug/L		KED
	Zn-1	67	1.3	43.3				ug/L		KED
	Zn-1	68	11.0	86.7				ug/L		KED
>	Ge-1	72	5623.4	3.3				ug/L		KED
	As-2	75	0.7	86.6				ug/L		KED
	Se-1	78	1.0	100.0				ug/L		KED
	Y-1	89	8035.3	1.9				ug/L		KED
	Rh-1	103	66802.9	2.0				ug/L		KED
	Cd-1	111	4.0	86.6				ug/L		KED

	Cd-1	114	2.8	61.0	ug/L	KED
>	**In-1**	115	4778.1	1.7	ug/L	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		
	Ba	135		
	Ba	137		
>	Tb	159		
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		

Quantitative Analysis - Summary Report

Sample ID: Standard 1

Sample Date/Time: Friday, May 05, 2023 09:33:31
Report Date/Time: Friday, June 09, 2023 11:05:38
Method File: C:\NexION Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION Data_kmckinney\DataSet\X230505A\Standard 1.017

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	251660.8	3.9				ug/L	264715	Standard
	Cr	52	7021.4	4.0				ug/L	5820	Standard
	Cr	53	462.3	7.8				ug/L	292	Standard
	Ni	58	-130.1	66.4				ug/L	-965	Standard
	Ni	60	342.0	5.1				ug/L	18	Standard
	Ni	62	87.0	3.0				ug/L	37	Standard
	Cu	63	756.4	2.4				ug/L	79	Standard
	Cu	65	366.3	5.9				ug/L	33	Standard
	Zn	66	435.0	10.0				ug/L	138	Standard
	Zn	67	67.3	11.1				ug/L	17	Standard
	Zn	68	374.3	14.3				ug/L	124	Standard
>	Ge	72	155115.8	2.1				ug/L	161704	Standard
	As	75	2076.9	1.1				ug/L	1933	Standard
	As-1	75	173.2	26.7				ug/L	2	Standard
	Se	77	58.0	5.2				ug/L	40	Standard
	Se	78	2353.9	0.9				ug/L	2324	Standard
	Br	79	69.0	10.1				ug/L	86	Standard
	Se	82	62.0	15.4				ug/L	38	Standard
	Kr	83	38.7	21.5				ug/L	43	Standard
	Y	89	359394.5	2.4				ug/L	371443	Standard
>	Rh	103	340536.0	2.5				ug/L	360413	Standard
	Ag	107	2696.3	3.0	**0.2000**	0.001	0.7	ug/L	366	Standard
	Cd	111	729.1	3.5	**0.2000**	0.013	6.7	ug/L	249	Standard
	Cd	114	1354.8	2.7	**0.2000**	0.005	2.7	ug/L	8	Standard
>	In	115	390497.3	3.1				ug/L	414508	Standard
	Ba	135	476.0	5.9				ug/L	23	Standard
	Ba	137	818.0	4.7				ug/L	33	Standard
>	Tb	159	433573.4	2.9				ug/L	457622	Standard
	Ho	165	466197.6	1.5				ug/L	489924	Standard
	Pb	208	9452.2	2.2				ug/L	453	Standard
	Bi	209	365435.9	2.0				ug/L	380338	Standard
	Th	232	466532.3	2.0				ug/L	490288	Standard
	Cr-1	52	267.7	4.6				ug/L	159	KED
	Cr-1	53	33.7	12.0				ug/L	19	KED
	Ni-1	58	196.5	9.2				ug/L	9	KED
	Ni-1	60	79.0	9.6				ug/L	2	KED
	Ni-1	62	13.7	15.2				ug/L	1	KED
	Cu-1	63	258.7	6.4				ug/L	25	KED
	Cu-1	65	130.7	8.6				ug/L	9	KED
	Zn-1	66	33.7	29.8				ug/L	13	KED
	Zn-1	67	5.3	54.1				ug/L	1	KED
	Zn-1	68	26.0	30.0				ug/L	11	KED
>	Ge-1	72	5669.1	1.2				ug/L	5623	KED
	As-2	75	7.7	39.8				ug/L	1	KED
	Se-1	78	2.7	21.7				ug/L	1	KED
	Y-1	89	7676.1	0.9				ug/L	8035	KED
	Rh-1	103	64569.3	1.5				ug/L	66803	KED
	Cd-1	111	26.7	19.2	**0.2000**	0.046	23.1	ug/L	4	KED

	Cd-1	114	62.3	10.1	**0.2000**	0.018	9.1	ug/L	3	KED
>	**In-1**	115	4599.6	2.2				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		
	Ba	135		
	Ba	137		
>	Tb	159		
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		

Quantitative Analysis - Summary Report

Sample ID: Standard 2

Sample Date/Time: Friday, May 05, 2023 09:38:17
Report Date/Time: Friday, June 09, 2023 11:05:40
Method File: C:\NexION Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION Data_kmckinney\DataSet\X230505A\Standard 2.018

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	265038.3	4.6				ug/L	264715	Standard
	Cr	52	9549.5	1.7	0.5000	0.046	9.2	ug/L	5820	Standard
	Cr	53	743.7	2.4	0.5000	0.048	9.5	ug/L	292	Standard
	Ni	58	1153.6	7.1				ug/L	-965	Standard
	Ni	60	857.7	7.2	0.5000	0.024	4.7	ug/L	18	Standard
	Ni	62	156.0	8.9	0.5000	0.041	8.3	ug/L	37	Standard
	Cu	63	1911.8	4.6	0.5000	0.010	2.0	ug/L	79	Standard
	Cu	65	931.4	2.4	0.5000	0.008	1.5	ug/L	33	Standard
	Zn	66	600.3	17.6				ug/L	138	Standard
	Zn	67	109.3	22.6				ug/L	17	Standard
	Zn	68	465.0	17.0				ug/L	124	Standard
>	Ge	72	160514.5	2.6				ug/L	161704	Standard
	As	75	2302.5	2.5	0.5000	0.023	4.7	ug/L	1933	Standard
	As-1	75	426.5	6.9	0.5000	0.044	8.8	ug/L	2	Standard
	Se	77	61.0	10.0	0.5000	0.106	21.1	ug/L	40	Standard
	Se	78	2415.9	2.9				ug/L	2324	Standard
	Br	79	78.7	3.2				ug/L	86	Standard
	Se	82	99.0	7.1	0.5000	0.077	15.4	ug/L	38	Standard
	Kr	83	46.7	11.0				ug/L	43	Standard
	Y	89	372888.7	4.3				ug/L	371443	Standard
>	Rh	103	361924.1	2.2				ug/L	360413	Standard
	Ag	107	6131.0	3.5	0.4943	0.008	1.7	ug/L	366	Standard
	Cd	111	1558.0	2.2	0.5004	0.020	4.0	ug/L	249	Standard
	Cd	114	3422.6	2.4	0.4973	0.019	3.8	ug/L	8	Standard
>	In	115	411428.6	1.5				ug/L	414508	Standard
	Ba	135	1214.7	2.1	0.5000	0.015	3.1	ug/L	23	Standard
	Ba	137	2148.8	2.1	0.5000	0.008	1.6	ug/L	33	Standard
>	Tb	159	449532.2	1.9				ug/L	457622	Standard
	Ho	165	485421.7	0.7				ug/L	489924	Standard
	Pb	208	23599.3	1.3	0.5000	0.009	1.8	ug/L	453	Standard
	Bi	209	378333.9	0.8				ug/L	380338	Standard
	Th	232	486757.9	1.7				ug/L	490288	Standard
	Cr-1	52	492.7	4.3	0.5000	0.041	8.3	ug/L	159	KED
	Cr-1	53	59.3	19.2	0.5000	0.134	26.7	ug/L	19	KED
	Ni-1	58	499.5	2.9	0.5000	0.008	1.5	ug/L	9	KED
	Ni-1	60	203.0	7.1	0.5000	0.034	6.7	ug/L	2	KED
	Ni-1	62	35.7	4.3	0.5000	0.026	5.2	ug/L	1	KED
	Cu-1	63	582.3	3.7	0.5000	0.011	2.3	ug/L	25	KED
	Cu-1	65	309.3	7.9	0.5000	0.047	9.5	ug/L	9	KED
	Zn-1	66	41.3	16.1				ug/L	13	KED
	Zn-1	67	10.7	19.5				ug/L	1	KED
	Zn-1	68	37.3	22.8				ug/L	11	KED
>	Ge-1	72	5843.9	1.5				ug/L	5623	KED
	As-2	75	27.0	11.1	0.5000	0.051	10.3	ug/L	1	KED
	Se-1	78	2.3	24.7				ug/L	1	KED
	Y-1	89	8027.6	1.9				ug/L	8035	KED
	Rh-1	103	66736.2	1.4				ug/L	66803	KED
	Cd-1	111	53.7	7.1	0.4863	0.039	8.0	ug/L	4	KED

Cd-1	114	148.0	16.7	**0.4950**	0.082	16.6	ug/L	3	KED
In-1	115	4812.3	1.3				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		
	Ba	135		
	Ba	137		
>	Tb	159		
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		

Quantitative Analysis - Summary Report

Sample ID: Standard 3

Sample Date/Time: Friday, May 05, 2023 09:43:03
Report Date/Time: Friday, June 09, 2023 11:05:43
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\Standard 3.019

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	265386.7	2.1				ug/L	264715	Standard
	Cr	52	21801.6	2.6	2.0075	0.022	1.1	ug/L	5820	Standard
	Cr	53	2153.5	3.5	2.0031	0.067	3.3	ug/L	292	Standard
	Ni	58	7908.6	1.9	2.0000	0.015	0.8	ug/L	-965	Standard
	Ni	60	3422.4	4.3	2.0008	0.064	3.2	ug/L	18	Standard
	Ni	62	554.0	4.4	2.0084	0.080	4.0	ug/L	37	Standard
	Cu	63	7664.7	3.9	2.0031	0.060	3.0	ug/L	79	Standard
	Cu	65	3635.8	1.9	1.9994	0.022	1.1	ug/L	33	Standard
	Zn	66	1970.1	3.4	2.0000	0.052	2.6	ug/L	138	Standard
	Zn	67	335.7	7.3	2.0000	0.139	7.0	ug/L	17	Standard
	Zn	68	1447.1	3.2	2.0000	0.071	3.5	ug/L	124	Standard
>	Ge	72	161741.2	1.1				ug/L	161704	Standard
	As	75	3605.5	2.6	2.0087	0.085	4.2	ug/L	1933	Standard
	As-1	75	1834.7	4.2	2.0076	0.065	3.2	ug/L	2	Standard
	Se	77	146.7	11.5	2.0235	0.294	14.5	ug/L	40	Standard
	Se	78	2728.6	3.4	2.0000	0.371	18.5	ug/L	2324	Standard
	Br	79	77.7	15.1				ug/L	86	Standard
	Se	82	270.0	11.5	1.9920	0.242	12.2	ug/L	38	Standard
	Kr	83	34.7	13.3				ug/L	43	Standard
	Y	89	372916.1	4.4				ug/L	371443	Standard
>	Rh	103	362051.8	5.2				ug/L	360413	Standard
	Ag	107	24561.1	4.0	2.0049	0.024	1.2	ug/L	366	Standard
	Cd	111	5739.1	1.8	2.0076	0.017	0.9	ug/L	249	Standard
	Cd	114	14466.6	1.5	2.0082	0.032	1.6	ug/L	8	Standard
>	In	115	406991.9	1.7				ug/L	414508	Standard
	Ba	135	5164.6	2.1	2.0098	0.063	3.1	ug/L	23	Standard
	Ba	137	8688.6	0.4	2.0038	0.029	1.4	ug/L	33	Standard
>	Tb	159	444732.2	1.6				ug/L	457622	Standard
	Ho	165	480150.0	1.4				ug/L	489924	Standard
	Pb	208	96705.5	1.2	2.0057	0.016	0.8	ug/L	453	Standard
	Bi	209	378783.1	2.3				ug/L	380338	Standard
	Th	232	484809.0	1.7				ug/L	490288	Standard
	Cr-1	52	1618.8	1.3	2.0093	0.045	2.2	ug/L	159	KED
	Cr-1	53	194.7	10.9	2.0083	0.221	11.0	ug/L	19	KED
	Ni-1	58	2040.7	3.5	2.0018	0.078	3.9	ug/L	9	KED
	Ni-1	60	872.0	0.1	2.0070	0.023	1.1	ug/L	2	KED
	Ni-1	62	137.0	15.3	1.9964	0.330	16.5	ug/L	1	KED
	Cu-1	63	2408.5	3.1	2.0057	0.047	2.4	ug/L	25	KED
	Cu-1	65	1188.7	3.1	1.9956	0.076	3.8	ug/L	9	KED
	Zn-1	66	156.3	4.9	2.0000	0.117	5.8	ug/L	13	KED
	Zn-1	67	20.7	18.3	2.0000	0.393	19.6	ug/L	1	KED
	Zn-1	68	117.3	2.1	2.0000	0.037	1.8	ug/L	11	KED
>	Ge-1	72	5958.9	1.1				ug/L	5623	KED
	As-2	75	86.7	6.4	1.9713	0.105	5.3	ug/L	1	KED
	Se-1	78	6.0	66.7	2.0000	1.635	81.8	ug/L	1	KED
	Y-1	89	8137.7	0.9				ug/L	8035	KED
	Rh-1	103	68894.1	0.0				ug/L	66803	KED
	Cd-1	111	257.0	10.3	2.0247	0.260	12.8	ug/L	4	KED

|	**Cd-1**	114	637.7	1.8	**2.0083**	0.057	2.9	ug/L	3	KED
|>	**In-1**	115	4895.7	2.3				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
⌈>	Sc	45		
|	Cr	52		
⌊	Cr	53		
⌈	Ni	58		
|	Ni	60		
|	Ni	62		
|	Cu	63		
|	Cu	65		
|	Zn	66		
|	Zn	67		
|	Zn	68		
|>	Ge	72		
|	As	75		
|	As-1	75		
|	Se	77		
|	Se	78		
|	Br	79		
⌊	Se	82		
	Kr	83		
	Y	89		
⌈>	Rh	103		
⌊	Ag	107		
⌈	Cd	111		
|	Cd	114		
⌊>	In	115		
⌈	Ba	135		
|	Ba	137		
|>	Tb	159		
|	Ho	165		
|	Pb	208		
|	Bi	209		
⌊	Th	232		
⌈	Cr-1	52		
|	Cr-1	53		
|	Ni-1	58		
|	Ni-1	60		
|	Ni-1	62		
|	Cu-1	63		
|	Cu-1	65		
|	Zn-1	66		
|	Zn-1	67		
|	Zn-1	68		
|>	Ge-1	72		
|	As-2	75		
⌊	Se-1	78		
	Y-1	89		
	Rh-1	103		
⌈	Cd-1	111		
|	Cd-1	114		
⌊>	In-1	115		

Quantitative Analysis - Summary Report

Sample ID: Standard 4

Sample Date/Time: Friday, May 05, 2023 09:47:50
Report Date/Time: Friday, June 09, 2023 11:05:46
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\Standard 4.020

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	267069.7	0.7				ug/L	264715	Standard
	Cr	52	46383.9	1.8	5.0089	0.117	2.3	ug/L	5820	Standard
	Cr	53	4931.9	2.8	4.9943	0.160	3.2	ug/L	292	Standard
	Ni	58	21244.4	2.2	4.9928	0.033	0.7	ug/L	-965	Standard
	Ni	60	8815.4	2.5	5.0155	0.020	0.4	ug/L	18	Standard
	Ni	62	1296.1	0.9	4.9749	0.140	2.8	ug/L	37	Standard
	Cu	63	18845.8	2.7	4.9846	0.061	1.2	ug/L	79	Standard
	Cu	65	9164.6	1.5	5.0010	0.064	1.3	ug/L	33	Standard
	Zn	66	4753.5	2.5	4.9967	0.098	2.0	ug/L	138	Standard
	Zn	67	822.7	4.2	4.9999	0.216	4.3	ug/L	17	Standard
	Zn	68	3424.4	2.1	4.9898	0.125	2.5	ug/L	124	Standard
>	Ge	72	163734.3	2.3				ug/L	161704	Standard
	As	75	5974.2	3.6	4.9645	0.101	2.0	ug/L	1933	Standard
	As-1	75	4363.0	3.9	4.9571	0.108	2.2	ug/L	2	Standard
	Se	77	342.0	3.9	5.0863	0.348	6.8	ug/L	40	Standard
	Se	78	3336.7	2.7	4.9733	0.098	2.0	ug/L	2324	Standard
	Br	79	79.0	9.6				ug/L	86	Standard
	Se	82	582.0	2.8	4.9401	0.159	3.2	ug/L	38	Standard
	Kr	83	42.0	8.6				ug/L	43	Standard
	Y	89	381397.9	1.1				ug/L	371443	Standard
>	Rh	103	366317.1	1.4				ug/L	360413	Standard
	Ag	107	54306.4	1.6	4.9049	0.022	0.5	ug/L	366	Standard
	Cd	111	13907.1	0.6	4.9829	0.031	0.6	ug/L	249	Standard
	Cd	114	36220.9	1.4	4.9887	0.080	1.6	ug/L	8	Standard
>	In	115	415733.8	1.1				ug/L	414508	Standard
	Ba	135	12807.4	0.5	4.9909	0.092	1.8	ug/L	23	Standard
	Ba	137	21933.5	0.6	5.0015	0.097	1.9	ug/L	33	Standard
>	Tb	159	450011.4	1.3				ug/L	457622	Standard
	Ho	165	483646.8	0.4				ug/L	489924	Standard
	Pb	208	242003.2	0.2	4.9962	0.063	1.3	ug/L	453	Standard
	Bi	209	377608.2	0.2				ug/L	380338	Standard
	Th	232	483697.4	1.1				ug/L	490288	Standard
	Cr-1	52	3849.9	1.1	5.0085	0.198	3.9	ug/L	159	KED
	Cr-1	53	471.0	6.8	5.0194	0.235	4.7	ug/L	19	KED
	Ni-1	58	5037.0	0.4	4.9874	0.146	2.9	ug/L	9	KED
	Ni-1	60	2193.2	2.5	5.0020	0.040	0.8	ug/L	2	KED
	Ni-1	62	346.7	3.7	5.0060	0.339	6.8	ug/L	1	KED
	Cu-1	63	6044.3	1.7	5.0039	0.087	1.7	ug/L	25	KED
	Cu-1	65	3009.7	1.0	5.0053	0.128	2.6	ug/L	9	KED
	Zn-1	66	384.3	6.0	5.0228	0.475	9.5	ug/L	13	KED
	Zn-1	67	66.3	5.3	5.1811	0.440	8.5	ug/L	1	KED
	Zn-1	68	273.3	6.3	4.9881	0.418	8.4	ug/L	11	KED
>	Ge-1	72	6009.6	3.2				ug/L	5623	KED
	As-2	75	213.0	0.5	4.9749	0.153	3.1	ug/L	1	KED
	Se-1	78	13.0	15.4	4.9686	0.991	19.9	ug/L	1	KED
	Y-1	89	8289.4	0.6				ug/L	8035	KED
	Rh-1	103	68592.6	0.4				ug/L	66803	KED
	Cd-1	111	650.7	3.9	5.0069	0.212	4.2	ug/L	4	KED

Cd-1	114	1600.4	1.2	**4.9904**	0.046	0.9	ug/L	3	KED
In-1	115	5011.1	0.5				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		
	Ba	135		
	Ba	137		
>	Tb	159		
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		

Quantitative Analysis - Summary Report

Sample ID: Standard 5

Sample Date/Time: Friday, May 05, 2023 09:52:37
Report Date/Time: Friday, June 09, 2023 11:05:49
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\Standard 5.021

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	265720.7	1.1				ug/L	264715	Standard
	Cr	52	164809.1	2.0	19.9829	0.273	1.4	ug/L	5820	Standard
	Cr	53	18739.0	2.2	19.9978	0.563	2.8	ug/L	292	Standard
	Ni	58	86357.9	2.0	19.9738	0.155	0.8	ug/L	-965	Standard
	Ni	60	34159.1	2.8	19.9622	0.081	0.4	ug/L	18	Standard
	Ni	62	4923.5	1.6	19.9511	0.358	1.8	ug/L	37	Standard
	Cu	63	75013.9	2.6	19.9931	0.137	0.7	ug/L	79	Standard
	Cu	65	35717.3	1.7	19.9679	0.303	1.5	ug/L	33	Standard
	Zn	66	18726.3	1.5	20.0085	0.228	1.1	ug/L	138	Standard
	Zn	67	3154.0	2.8	19.9632	0.292	1.5	ug/L	17	Standard
	Zn	68	13295.5	3.7	19.9937	0.252	1.3	ug/L	124	Standard
>	Ge	72	163777.5	2.6				ug/L	161704	Standard
	As	75	17572.2	1.1	19.9509	0.402	2.0	ug/L	1933	Standard
	As-1	75	16988.0	1.2	19.9514	0.265	1.3	ug/L	2	Standard
	Se	77	1248.7	1.5	20.0241	0.272	1.4	ug/L	40	Standard
	Se	78	6341.4	0.7	20.0118	0.619	3.1	ug/L	2324	Standard
	Br	79	81.0	13.7				ug/L	86	Standard
	Se	82	2232.2	2.7	19.9953	0.422	2.1	ug/L	38	Standard
	Kr	83	37.7	13.6				ug/L	43	Standard
	Y	89	380522.3	1.7				ug/L	371443	Standard
>	Rh	103	365899.1	2.5				ug/L	360413	Standard
	Ag	107	204333.7	2.1	19.8958	0.458	2.3	ug/L	366	Standard
	Cd	111	53494.9	1.5	19.9987	0.445	2.2	ug/L	249	Standard
	Cd	114	141315.5	0.2	20.0013	0.234	1.2	ug/L	8	Standard
>	In	115	404281.0	1.2				ug/L	414508	Standard
	Ba	135	49566.2	1.0	19.9558	0.191	1.0	ug/L	23	Standard
	Ba	137	85503.8	0.2	19.9686	0.198	1.0	ug/L	33	Standard
>	Tb	159	449258.1	0.8				ug/L	457622	Standard
	Ho	165	482782.0	1.5				ug/L	489924	Standard
	Pb	208	952788.0	0.5	19.9814	0.272	1.4	ug/L	453	Standard
	Bi	209	374512.5	0.9				ug/L	380338	Standard
	Th	232	482254.9	0.4				ug/L	490288	Standard
	Cr-1	52	14791.7	1.4	19.9788	0.164	0.8	ug/L	159	KED
	Cr-1	53	1869.5	2.5	20.0263	0.310	1.5	ug/L	19	KED
	Ni-1	58	19657.4	1.8	19.9501	0.128	0.6	ug/L	9	KED
	Ni-1	60	8674.0	1.8	19.9727	0.083	0.4	ug/L	2	KED
	Ni-1	62	1322.4	3.3	19.9240	0.333	1.7	ug/L	1	KED
	Cu-1	63	23774.1	1.6	19.9689	0.111	0.6	ug/L	25	KED
	Cu-1	65	11592.7	2.0	19.9386	0.464	2.3	ug/L	9	KED
	Zn-1	66	1423.7	4.1	19.9218	0.514	2.6	ug/L	13	KED
	Zn-1	67	247.7	5.5	19.9605	1.046	5.2	ug/L	1	KED
	Zn-1	68	1102.0	4.2	20.0377	1.044	5.2	ug/L	11	KED
>	Ge-1	72	6068.0	2.1				ug/L	5623	KED
	As-2	75	828.4	5.1	19.9431	0.913	4.6	ug/L	1	KED
	Se-1	78	40.3	22.5	19.6815	4.693	23.8	ug/L	1	KED
	Y-1	89	8148.7	1.5				ug/L	8035	KED
	Rh-1	103	67078.1	0.3				ug/L	66803	KED
	Cd-1	111	2483.2	0.8	19.9755	0.124	0.6	ug/L	4	KED

	Cd-1	114	6312.5	1.4	**20.0116**	0.224	1.1	ug/L	3	KED
>	In-1	115	4896.7	1.2				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		
	Ba	135		
	Ba	137		
>	Tb	159		
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		

Quantitative Analysis - Summary Report

Sample ID: Standard 6

Sample Date/Time: Friday, May 05, 2023 09:57:23
Report Date/Time: Friday, June 09, 2023 11:05:51
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\Standard 6.022

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	252274.1	2.3				ug/L	264715	Standard
	Cr	52	308511.2	2.6	40.0245	0.526	1.3	ug/L	5820	Standard
	Cr	53	35253.1	2.6	39.9864	0.689	1.7	ug/L	292	Standard
	Ni	58	166371.5	4.0	40.0633	0.620	1.5	ug/L	-965	Standard
	Ni	60	65105.4	2.6	40.0213	0.322	0.8	ug/L	18	Standard
	Ni	62	9504.8	3.9	40.1513	0.970	2.4	ug/L	37	Standard
	Cu	63	143156.9	1.9	40.0479	0.252	0.6	ug/L	79	Standard
	Cu	65	68980.2	3.1	40.1341	0.536	1.3	ug/L	33	Standard
	Zn	66	35298.9	3.1	39.9747	0.775	1.9	ug/L	138	Standard
	Zn	67	5926.2	1.8	39.9225	0.456	1.1	ug/L	17	Standard
	Zn	68	25015.2	1.7	39.9651	0.275	0.7	ug/L	124	Standard
>	Ge	72	155435.3	2.4				ug/L	161704	Standard
	As	75	32157.4	1.1	40.1640	0.574	1.4	ug/L	1933	Standard
	As-1	75	32791.0	0.8	40.1215	0.620	1.5	ug/L	2	Standard
	Se	77	2359.2	2.0	40.1093	0.457	1.1	ug/L	40	Standard
	Se	78	9919.8	3.6	40.1278	0.612	1.5	ug/L	2324	Standard
	Br	79	68.7	9.7				ug/L	86	Standard
	Se	82	4194.9	3.2	39.9856	0.805	2.0	ug/L	38	Standard
	Kr	83	40.3	5.2				ug/L	43	Standard
	Y	89	362509.7	3.8				ug/L	371443	Standard
>	Rh	103	344002.6	1.7				ug/L	360413	Standard
	Ag	107	388600.4	1.0	40.0583	0.285	0.7	ug/L	366	Standard
	Cd	111	101049.7	1.6	39.9321	0.594	1.5	ug/L	249	Standard
	Cd	114	268378.2	0.6	39.9607	0.420	1.1	ug/L	8	Standard
>	In	115	385706.0	1.1				ug/L	414508	Standard
	Ba	135	95024.0	1.4	40.0371	0.714	1.8	ug/L	23	Standard
	Ba	137	162211.5	2.7	39.9511	0.458	1.1	ug/L	33	Standard
>	Tb	159	428020.8	2.7				ug/L	457622	Standard
	Ho	165	454494.7	2.2				ug/L	489924	Standard
	Pb	208	1793285.8	1.1	39.8923	0.968	2.4	ug/L	453	Standard
	Bi	209	355318.4	0.9				ug/L	380338	Standard
	Th	232	456737.5	1.7				ug/L	490288	Standard
	Cr-1	52	29209.2	1.1	40.0655	0.441	1.1	ug/L	159	KED
	Cr-1	53	3483.1	1.2	39.5825	0.502	1.3	ug/L	19	KED
	Ni-1	58	38666.5	1.4	39.9732	0.559	1.4	ug/L	9	KED
	Ni-1	60	17207.0	0.7	40.0537	0.302	0.8	ug/L	2	KED
	Ni-1	62	2698.3	1.6	40.2738	0.639	1.6	ug/L	1	KED
	Cu-1	63	47005.2	0.3	40.0274	0.114	0.3	ug/L	25	KED
	Cu-1	65	23216.5	1.7	40.1205	0.706	1.8	ug/L	9	KED
	Zn-1	66	2855.6	0.8	40.1691	0.327	0.8	ug/L	13	KED
	Zn-1	67	448.0	5.4	39.2725	2.128	5.4	ug/L	1	KED
	Zn-1	68	2194.5	0.8	40.1544	0.335	0.8	ug/L	11	KED
>	Ge-1	72	5972.9	0.0				ug/L	5623	KED
	As-2	75	1639.1	2.4	40.0228	0.954	2.4	ug/L	1	KED
	Se-1	78	66.7	15.1	38.3922	5.888	15.3	ug/L	1	KED
	Y-1	89	8248.7	1.0				ug/L	8035	KED
	Rh-1	103	67425.7	0.3				ug/L	66803	KED
	Cd-1	111	5130.9	1.4	40.1136	0.359	0.9	ug/L	4	KED

	Cd-1	114	12505.7	1.2	**39.7683**	1.103	2.8	ug/L	3	KED
>	In-1	115	4989.3	1.5				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		
	Ba	135		
	Ba	137		
>	Tb	159		
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		

Quantitative Analysis - Summary Report

Sample ID: Standard 7

Sample Date/Time: Friday, May 05, 2023 10:02:10
Report Date/Time: Friday, June 09, 2023 11:05:53
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\Standard 7.023

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	248092.1	2.2				ug/L	264715	Standard
	Cr	52	748928.4	3.0	99.9771	0.737	0.7	ug/L	5820	Standard
	Cr	53	86295.6	1.9	100.0012	1.042	1.0	ug/L	292	Standard
	Ni	58	406604.6	1.2	99.6096	2.679	2.7	ug/L	-965	Standard
	Ni	60	160088.3	2.2	99.7459	1.428	1.4	ug/L	18	Standard
	Ni	62	23295.0	1.9	99.7839	1.859	1.9	ug/L	37	Standard
	Cu	63	352231.3	3.0	99.7690	2.506	2.5	ug/L	79	Standard
	Cu	65	169365.1	1.2	99.7741	1.866	1.9	ug/L	33	Standard
	Zn	66	87190.4	2.5	99.8369	1.039	1.0	ug/L	138	Standard
	Zn	67	14591.4	1.6	99.7514	1.586	1.6	ug/L	17	Standard
	Zn	68	61890.5	1.8	99.8735	2.427	2.4	ug/L	124	Standard
>	Ge	72	155334.1	3.1				ug/L	161704	Standard
	As	75	77097.4	3.1	99.9628	0.558	0.6	ug/L	1933	Standard
	As-1	75	81444.8	2.3	99.9514	0.829	0.8	ug/L	2	Standard
	Se	77	5649.8	1.1	99.4982	3.284	3.3	ug/L	40	Standard
	Se	78	21408.7	2.1	100.0394	1.365	1.4	ug/L	2324	Standard
	Br	79	78.3	12.6				ug/L	86	Standard
	Se	82	10407.8	1.8	99.9775	3.991	4.0	ug/L	38	Standard
	Kr	83	44.7	19.3				ug/L	43	Standard
	Y	89	357981.8	1.9				ug/L	371443	Standard
>	Rh	103	341847.6	2.6				ug/L	360413	Standard
	Ag	107	981331.7	1.9	100.3090	1.151	1.1	ug/L	366	Standard
	Cd	111	249556.4	1.6	99.9531	1.123	1.1	ug/L	249	Standard
	Cd	114	657793.4	1.5	99.8139	1.515	1.5	ug/L	8	Standard
>	In	115	382012.0	2.5				ug/L	414508	Standard
	Ba	135	230521.6	2.1	99.6634	1.466	1.5	ug/L	23	Standard
	Ba	137	395374.2	2.4	99.7108	1.794	1.8	ug/L	33	Standard
>	Tb	159	423997.4	1.8				ug/L	457622	Standard
	Ho	165	453866.4	1.2				ug/L	489924	Standard
	Pb	208	4478462.0	1.3	100.0928	0.933	0.9	ug/L	453	Standard
	Bi	209	355386.7	0.7				ug/L	380338	Standard
	Th	232	455206.6	1.1				ug/L	490288	Standard
	Cr-1	52	68921.2	0.9	99.3231	2.285	2.3	ug/L	159	KED
	Cr-1	53	8606.6	0.7	99.9071	2.591	2.6	ug/L	19	KED
	Ni-1	58	91979.8	1.4	99.3649	1.335	1.3	ug/L	9	KED
	Ni-1	60	40821.9	0.9	99.3533	1.619	1.6	ug/L	2	KED
	Ni-1	62	6305.1	1.3	99.1879	1.031	1.0	ug/L	1	KED
	Cu-1	63	110920.0	1.1	99.2526	1.234	1.2	ug/L	25	KED
	Cu-1	65	54325.8	1.0	99.1453	1.300	1.3	ug/L	9	KED
	Zn-1	66	6789.3	2.0	99.4926	3.466	3.5	ug/L	13	KED
	Zn-1	67	1135.7	1.4	100.1831	3.551	3.5	ug/L	1	KED
	Zn-1	68	5270.6	2.0	99.6578	0.890	0.9	ug/L	11	KED
>	Ge-1	72	5896.6	2.3				ug/L	5623	KED
	As-2	75	3895.2	1.2	99.3712	1.169	1.2	ug/L	1	KED
	Se-1	78	185.3	11.2	101.4371	10.200	10.1	ug/L	1	KED
	Y-1	89	7978.2	2.7				ug/L	8035	KED
	Rh-1	103	64649.0	0.9				ug/L	66803	KED
	Cd-1	111	11993.7	0.7	99.4890	1.615	1.6	ug/L	4	KED

	Cd-1	114	30089.0	0.8	**99.8245**	1.256	1.3	ug/L	3	KED
>	In-1	115	4823.4	0.9				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		
	Ba	135		
	Ba	137		
>	Tb	159		
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		

Quantitative Analysis - Summary Report

Sample ID: QC Std 1

Sample Date/Time: Friday, May 05, 2023 10:07:47
Report Date/Time: Friday, May 05, 2023 12:26:28
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\QC Std 1.024

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	291026.2	1.3				ug/L	264715	Standard
	Cr	52	443115.5	1.4	50.0801	1.358	2.7	ug/L	5820	Standard
	Cr	53	50949.4	1.7	50.1675	0.193	0.4	ug/L	292	Standard
	Ni	58	237695.8	1.6	51.5113	0.736	1.4	ug/L	-965	Standard
	Ni	60	92859.5	1.1	51.0838	0.659	1.3	ug/L	18	Standard
	Ni	62	13484.4	1.3	50.9242	0.761	1.5	ug/L	37	Standard
	Cu	63	203050.0	2.2	50.7784	1.407	2.8	ug/L	79	Standard
	Cu	65	97279.1	1.5	50.5829	0.404	0.8	ug/L	33	Standard
	Zn	66	48729.0	1.6	49.1916	0.168	0.3	ug/L	138	Standard
	Zn	67	8215.0	1.9	49.5249	0.679	1.4	ug/L	17	Standard
	Zn	68	35308.6	1.8	50.2038	0.572	1.1	ug/L	124	Standard
>	Ge	72	175898.2	1.9				ug/L	161704	Standard
	As	75	43895.5	1.8	49.0354	0.498	1.0	ug/L	1933	Standard
	As-1	75	45720.5	1.9	49.5415	0.439	0.9	ug/L	2	Standard
	Se	77	3208.7	2.2	49.5292	0.347	0.7	ug/L	40	Standard
	Se	78	12990.6	2.5	48.1859	0.731	1.5	ug/L	2324	Standard
	Br	79	84.0	1.2				ug/L	86	Standard
	Se	82	5945.9	2.8	50.2229	0.643	1.3	ug/L	38	Standard
	Kr	83	45.0	16.0				ug/L	43	Standard
	Y	89	407864.4	1.6				ug/L	371443	Standard
>	Rh	103	391625.4	1.4				ug/L	360413	Standard
	Ag	107	549877.4	0.4	49.0419	0.522	1.1	ug/L	366	Standard
	Cd	111	138444.8	1.2	50.1892	0.598	1.2	ug/L	249	Standard
	Cd	114	365021.3	1.2	50.1759	0.571	1.1	ug/L	8	Standard
>	In	115	421602.6	0.2				ug/L	414508	Standard
	Ba	135	135143.8	2.1	53.0301	1.390	2.6	ug/L	23	Standard
	Ba	137	229851.1	1.0	52.6132	1.001	1.9	ug/L	33	Standard
>	Tb	159	467160.9	1.2				ug/L	457622	Standard
	Ho	165	504617.9	0.6				ug/L	489924	Standard
	Pb	208	2500350.4	0.6	50.7132	0.351	0.7	ug/L	453	Standard
	Bi	209	391233.9	0.5				ug/L	380338	Standard
	Th	232	506139.8	0.8				ug/L	490288	Standard
	Cr-1	52	39920.4	1.8	52.3679	0.154	0.3	ug/L	159	KED
	Cr-1	53	4808.8	1.4	50.8132	0.562	1.1	ug/L	19	KED
	Ni-1	58	52783.3	1.1	52.0267	0.591	1.1	ug/L	9	KED
	Ni-1	60	23105.7	1.7	51.3030	0.261	0.5	ug/L	2	KED
	Ni-1	62	3638.5	2.9	52.2150	1.240	2.4	ug/L	1	KED
	Cu-1	63	63394.0	1.1	51.7495	0.534	1.0	ug/L	25	KED
	Cu-1	65	30985.2	0.8	51.5929	0.797	1.5	ug/L	9	KED
	Zn-1	66	3750.5	1.8	50.0332	0.675	1.3	ug/L	13	KED
	Zn-1	67	627.7	3.3	50.4492	1.883	3.7	ug/L	1	KED
	Zn-1	68	2956.6	1.6	50.9061	0.041	0.1	ug/L	11	KED
>	Ge-1	72	6461.5	1.5				ug/L	5623	KED
	As-2	75	2091.5	1.7	48.6776	0.799	1.6	ug/L	1	KED
	Se-1	78	97.0	8.9	48.2045	4.689	9.7	ug/L	1	KED
	Y-1	89	9002.2	2.3				ug/L	8035	KED
	Rh-1	103	72558.5	1.1				ug/L	66803	KED
	Cd-1	111	6672.6	0.7	49.2651	0.402	0.8	ug/L	4	KED

Cd-1	114	17023.9	0.9	50.2834	0.209	0.4	ug/L	3	KED
In-1	115	5416.9	1.0				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		109.940
	Cr	52	100.160	
	Cr	53	100.335	
	Ni	58	103.023	
	Ni	60	102.168	
	Ni	62	101.848	
	Cu	63	101.557	
	Cu	65	101.166	
	Zn	66	98.383	
	Zn	67	99.050	
	Zn	68	100.408	
>	Ge	72		108.778
	As	75	98.071	
	As-1	75	99.083	
	Se	77	99.058	
	Se	78	96.372	
	Br	79		
	Se	82	100.446	
	Kr	83		
	Y	89		
>	Rh	103		108.660
	Ag	107	98.084	
	Cd	111	100.378	
	Cd	114	100.352	
>	In	115		101.712
	Ba	135	106.060	
	Ba	137	105.226	
>	Tb	159		102.084
	Ho	165		
	Pb	208	101.426	
	Bi	209		
	Th	232		
	Cr-1	52	104.736	
	Cr-1	53	101.626	
	Ni-1	58	104.053	
	Ni-1	60	102.606	
	Ni-1	62	104.430	
	Cu-1	63	103.499	
	Cu-1	65	103.186	
	Zn-1	66	100.066	
	Zn-1	67	100.898	
	Zn-1	68	101.812	
>	Ge-1	72		114.902
	As-2	75	97.355	
	Se-1	78	96.409	
	Y-1	89		
	Rh-1	103		
	Cd-1	111	98.530	
	Cd-1	114	100.567	
>	In-1	115		113.371

Quantitative Analysis - Summary Report

Sample ID: QC Std 2

Sample Date/Time: Friday, May 05, 2023 10:13:24
Report Date/Time: Friday, May 05, 2023 12:26:39
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\QC Std 2.025

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	273810.2	2.1				ug/L	264715	Standard
	Cr	52	6101.0	3.5	0.0098	0.013	134.2	ug/L	5820	Standard
	Cr	53	327.7	3.6	0.0273	0.020	71.7	ug/L	292	Standard
	Ni	58	-989.4	6.4	0.0028	0.019	681.6	ug/L	-965	Standard
	Ni	60	18.0	11.1	-0.0006	0.001	172.3	ug/L	18	Standard
	Ni	62	46.3	9.7	0.0313	0.021	67.5	ug/L	37	Standard
	Cu	63	96.0	2.8	0.0035	0.001	29.5	ug/L	79	Standard
	Cu	65	45.0	15.6	0.0058	0.003	58.5	ug/L	33	Standard
	Zn	66	121.7	9.9	-0.0233	0.011	45.8	ug/L	138	Standard
	Zn	67	19.0	29.3	0.0059	0.034	577.7	ug/L	17	Standard
	Zn	68	113.7	11.3	-0.0226	0.022	97.2	ug/L	124	Standard
>	Ge	72	168191.7	2.3				ug/L	161704	Standard
	As	75	2159.5	2.4	0.1835	0.030	16.5	ug/L	1933	Standard
	As-1	75	40.4	80.2	0.0434	0.036	82.3	ug/L	2	Standard
	Se	77	41.3	7.8	-0.0049	0.039	786.6	ug/L	40	Standard
	Se	78	2563.6	1.7	0.7051	0.081	11.4	ug/L	2324	Standard
	Br	79	78.3	15.2				ug/L	86	Standard
	Se	82	46.7	10.1	0.0633	0.036	56.6	ug/L	38	Standard
	Kr	83	40.0	9.0				ug/L	43	Standard
	Y	89	388522.6	2.2				ug/L	371443	Standard
>	Rh	103	371632.8	1.7				ug/L	360413	Standard
	Ag	107	1965.1	19.6	0.1489	0.033	22.2	ug/L	366	Standard
	Cd	111	264.9	1.3	0.0095	0.001	10.9	ug/L	249	Standard
	Cd	114	8.0	4.8	0.0000	0.000	123.7	ug/L	8	Standard
>	In	115	399978.1	0.9				ug/L	414508	Standard
	Ba	135	23.7	6.5	0.0005	0.001	122.1	ug/L	23	Standard
	Ba	137	44.0	21.7	0.0030	0.002	79.4	ug/L	33	Standard
>	Tb	159	442129.3	1.0				ug/L	457622	Standard
	Ho	165	472070.9	1.8				ug/L	489924	Standard
	Pb	208	489.0	4.6	0.0011	0.001	46.4	ug/L	453	Standard
	Bi	209	360674.0	0.7				ug/L	380338	Standard
	Th	232	465180.8	0.9				ug/L	490288	Standard
	Cr-1	52	155.7	7.3	-0.0209	0.015	70.2	ug/L	159	KED
	Cr-1	53	20.0	17.3	-0.0004	0.036	8327.5	ug/L	19	KED
	Ni-1	58	13.9	5.1	0.0050	0.001	14.6	ug/L	9	KED
	Ni-1	60	5.3	10.8	0.0067	0.001	15.9	ug/L	2	KED
	Ni-1	62	1.7	91.7	0.0035	0.024	670.8	ug/L	1	KED
	Cu-1	63	23.3	23.6	-0.0034	0.005	142.6	ug/L	25	KED
	Cu-1	65	15.3	24.7	0.0095	0.007	70.9	ug/L	9	KED
	Zn-1	66	9.3	50.6	-0.0720	0.066	91.2	ug/L	13	KED
	Zn-1	67	2.0	50.0	0.0481	0.082	171.1	ug/L	1	KED
	Zn-1	68	5.7	10.2	-0.1135	0.010	9.1	ug/L	11	KED
>	Ge-1	72	6027.9	2.3				ug/L	5623	KED
	As-2	75	0.7	86.6	-0.0013	0.014	1143.1	ug/L	1	KED
	Se-1	78	2.3	24.7	0.6754	0.279	41.3	ug/L	1	KED
	Y-1	89	8322.4	0.6				ug/L	8035	KED
	Rh-1	103	67748.9	1.2				ug/L	66803	KED
	Cd-1	111	2.0	50.0	-0.0175	0.008	46.3	ug/L	4	KED

	Cd-1	114	1.6	60.0	-0.0043	0.003	73.2	ug/L	3	KED
>	In-1	115	5016.7	2.4				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		103.436
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		104.012
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		103.113
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		96.495
	Ba	135		
	Ba	137		
>	Tb	159		96.614
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		107.193
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		104.995

Quantitative Analysis - Summary Report

Sample ID: QC Std 3

Sample Date/Time: Friday, May 05, 2023 10:36:29
Report Date/Time: Friday, May 05, 2023 12:26:42
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\QC Std 3.029

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	305470.9	2.0				ug/L	264715	Standard
	Cr	52	24217.2	2.4	1.9118	0.055	2.9	ug/L	5820	Standard
	Cr	53	2405.2	4.9	1.9531	0.115	5.9	ug/L	292	Standard
	Ni	58	8472.1	2.6	2.0231	0.056	2.8	ug/L	-965	Standard
	Ni	60	3775.5	5.6	2.0299	0.088	4.4	ug/L	18	Standard
	Ni	62	626.0	6.6	2.1773	0.136	6.3	ug/L	37	Standard
	Cu	63	8383.8	3.9	2.0389	0.041	2.0	ug/L	79	Standard
	Cu	65	4028.9	1.9	2.0410	0.025	1.2	ug/L	33	Standard
	Zn	66	2136.8	2.6	1.9766	0.121	6.1	ug/L	138	Standard
	Zn	67	340.0	5.3	1.9081	0.168	8.8	ug/L	17	Standard
	Zn	68	1562.4	1.6	2.0002	0.082	4.1	ug/L	124	Standard
>	Ge	72	179008.9	3.1				ug/L	161704	Standard
	As	75	3959.8	2.6	2.0997	0.088	4.2	ug/L	1933	Standard
	As-1	75	1866.6	6.0	1.9862	0.122	6.2	ug/L	2	Standard
	Se	77	173.3	9.3	1.9838	0.217	11.0	ug/L	40	Standard
	Se	78	3140.3	1.2	2.5742	0.306	11.9	ug/L	2324	Standard
	Br	79	94.0	2.8				ug/L	86	Standard
	Se	82	285.7	6.5	2.0399	0.215	10.5	ug/L	38	Standard
	Kr	83	61.0	4.9				ug/L	43	Standard
	Y	89	416650.6	3.5				ug/L	371443	Standard
>	Rh	103	401192.7	4.0				ug/L	360413	Standard
	Ag	107	22002.6	4.3	1.8813	0.040	2.1	ug/L	366	Standard
	Cd	111	5733.1	2.7	2.0100	0.042	2.1	ug/L	249	Standard
	Cd	114	14108.2	1.4	1.9569	0.034	1.8	ug/L	8	Standard
>	In	115	417609.6	1.1				ug/L	414508	Standard
	Ba	135	5197.6	0.5	2.0333	0.045	2.2	ug/L	23	Standard
	Ba	137	8804.4	0.2	2.0106	0.031	1.6	ug/L	33	Standard
>	Tb	159	466578.3	1.7				ug/L	457622	Standard
	Ho	165	499583.5	1.5				ug/L	489924	Standard
	Pb	208	95194.5	1.1	1.9242	0.012	0.6	ug/L	453	Standard
	Bi	209	382384.0	1.4				ug/L	380338	Standard
	Th	232	498461.4	0.8				ug/L	490288	Standard
	Cr-1	52	1697.8	1.5	1.9056	0.012	0.6	ug/L	159	KED
	Cr-1	53	225.0	3.1	2.0631	0.056	2.7	ug/L	19	KED
	Ni-1	58	2081.2	1.4	1.9591	0.063	3.2	ug/L	9	KED
	Ni-1	60	920.0	1.9	1.9541	0.034	1.7	ug/L	2	KED
	Ni-1	62	148.7	5.6	2.0251	0.096	4.7	ug/L	1	KED
	Cu-1	63	2560.2	3.3	1.9815	0.039	1.9	ug/L	25	KED
	Cu-1	65	1258.1	3.9	1.9917	0.054	2.7	ug/L	9	KED
	Zn-1	66	160.7	3.5	1.8590	0.048	2.6	ug/L	13	KED
	Zn-1	67	26.3	14.4	1.9130	0.304	15.9	ug/L	1	KED
	Zn-1	68	122.7	9.0	1.8145	0.149	8.2	ug/L	11	KED
>	Ge-1	72	6735.9	1.9				ug/L	5623	KED
	As-2	75	87.3	6.9	1.9330	0.138	7.1	ug/L	1	KED
	Se-1	78	6.3	59.8	2.4533	1.786	72.8	ug/L	1	KED
	Y-1	89	9611.2	1.3				ug/L	8035	KED
	Rh-1	103	75082.8	1.4				ug/L	66803	KED
	Cd-1	111	263.7	5.5	1.7551	0.067	3.8	ug/L	4	KED

Cd-1	114	720.3	3.4	1.9448	0.038	1.9	ug/L	3	KED
In-1	115	5897.0	1.9				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		115.396
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		110.702
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		111.315
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		100.748
	Ba	135		
	Ba	137		
>	Tb	159		101.957
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		119.783
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		123.419

Quantitative Analysis - Summary Report

Sample ID: QC Std 4

Sample Date/Time: Friday, May 05, 2023 10:54:45
Report Date/Time: Friday, May 05, 2023 12:26:45
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\QC Std 4.032

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	309374.8	0.4				ug/L	264715	Standard
	Cr	52	11788.5	1.6	0.5378	0.017	3.1	ug/L	5820	Standard
	Cr	53	966.4	3.6	0.5826	0.030	5.2	ug/L	292	Standard
	Ni	58	1336.5	8.3	0.5013	0.018	3.5	ug/L	-965	Standard
	Ni	60	1031.7	3.7	0.5305	0.009	1.7	ug/L	18	Standard
	Ni	62	209.3	8.2	0.6049	0.074	12.2	ug/L	37	Standard
	Cu	63	2321.9	2.2	0.5326	0.003	0.5	ug/L	79	Standard
	Cu	65	1143.4	3.0	0.5488	0.011	2.0	ug/L	33	Standard
	Zn	66	624.7	0.7	0.4517	0.009	2.0	ug/L	138	Standard
	Zn	67	116.0	10.8	0.5542	0.058	10.5	ug/L	17	Standard
	Zn	68	507.3	2.4	0.4986	0.019	3.8	ug/L	124	Standard
>	Ge	72	184334.7	2.2				ug/L	161704	Standard
	As	75	2822.4	3.6	0.6929	0.044	6.4	ug/L	1933	Standard
	As-1	75	519.9	5.8	0.5352	0.019	3.6	ug/L	2	Standard
	Se	77	86.0	20.2	0.6065	0.282	46.6	ug/L	40	Standard
	Se	78	2948.6	2.6	1.3142	0.056	4.2	ug/L	2324	Standard
	Br	79	89.3	5.6				ug/L	86	Standard
	Se	82	115.0	5.7	0.5825	0.064	11.0	ug/L	38	Standard
	Kr	83	42.7	10.6				ug/L	43	Standard
	Y	89	417168.3	1.5				ug/L	371443	Standard
>	Rh	103	400337.3	2.0				ug/L	360413	Standard
	Ag	107	5840.5	1.0	0.4745	0.011	2.2	ug/L	366	Standard
	Cd	111	1612.1	1.3	0.5104	0.010	2.0	ug/L	249	Standard
	Cd	114	3560.0	1.3	0.5023	0.008	1.6	ug/L	8	Standard
>	In	115	409872.8	1.4				ug/L	414508	Standard
	Ba	135	1339.1	2.7	0.5311	0.020	3.8	ug/L	23	Standard
	Ba	137	2257.2	2.8	0.5237	0.013	2.5	ug/L	33	Standard
>	Tb	159	454299.8	1.1				ug/L	457622	Standard
	Ho	165	484582.7	0.1				ug/L	489924	Standard
	Pb	208	24042.0	1.1	0.4921	0.002	0.3	ug/L	453	Standard
	Bi	209	370139.5	0.5				ug/L	380338	Standard
	Th	232	487509.9	0.5				ug/L	490288	Standard
	Cr-1	52	583.7	0.6	0.5070	0.023	4.6	ug/L	159	KED
	Cr-1	53	86.0	8.8	0.6599	0.087	13.2	ug/L	19	KED
	Ni-1	58	542.0	5.8	0.5095	0.032	6.3	ug/L	9	KED
	Ni-1	60	230.7	6.7	0.4918	0.032	6.5	ug/L	2	KED
	Ni-1	62	33.7	3.4	0.4481	0.026	5.9	ug/L	1	KED
	Cu-1	63	654.3	4.8	0.4959	0.034	6.9	ug/L	25	KED
	Cu-1	65	334.0	3.4	0.5226	0.007	1.4	ug/L	9	KED
	Zn-1	66	48.0	11.0	0.4193	0.065	15.4	ug/L	13	KED
	Zn-1	67	9.3	16.4	0.6054	0.100	16.5	ug/L	1	KED
	Zn-1	68	38.7	31.2	0.4294	0.192	44.7	ug/L	11	KED
>	Ge-1	72	6650.2	2.6				ug/L	5623	KED
	As-2	75	23.0	11.5	0.5027	0.062	12.3	ug/L	1	KED
	Se-1	78	3.3	62.4	1.0683	1.048	98.1	ug/L	1	KED
	Y-1	89	9580.9	1.3				ug/L	8035	KED
	Rh-1	103	75121.0	0.4				ug/L	66803	KED
	Cd-1	111	75.3	3.1	0.4715	0.013	2.7	ug/L	4	KED

Cd-1	114	181.5	6.2	**0.4771**	0.033	7.0	ug/L	3	KED
In-1	115	5969.7	0.6				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		116.871
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		113.995
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		111.077
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		98.882
	Ba	135		
	Ba	137		
>	Tb	159		99.274
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		118.259
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		124.940

Quantitative Analysis - Summary Report

Sample ID: QC Std 5

Sample Date/Time: Friday, May 05, 2023 11:00:21
Report Date/Time: Friday, May 05, 2023 12:26:48
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\QC Std 5.033

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	339569.2	2.1				ug/L	264715	Standard
	Cr	52	8974.2	3.1	0.1482	0.017	11.7	ug/L	5820	Standard
	Cr	53	643.7	3.2	0.2286	0.017	7.5	ug/L	292	Standard
	Ni	58	-19.7	248.5	0.2227	0.009	4.1	ug/L	-965	Standard
	Ni	60	467.7	1.7	0.2159	0.008	3.9	ug/L	18	Standard
	Ni	62	119.7	9.2	0.2476	0.044	17.9	ug/L	37	Standard
	Cu	63	1075.4	5.8	0.2155	0.011	5.1	ug/L	79	Standard
	Cu	65	493.0	3.0	0.2075	0.010	4.6	ug/L	33	Standard
	Zn	66	308.3	6.8	0.1233	0.020	15.8	ug/L	138	Standard
	Zn	67	57.0	15.8	0.1896	0.048	25.2	ug/L	17	Standard
	Zn	68	269.3	7.4	0.1463	0.023	15.8	ug/L	124	Standard
>	Ge	72	199554.8	2.1				ug/L	161704	Standard
	As	75	2565.1	3.3	0.1860	0.036	19.4	ug/L	1933	Standard
	As-1	75	225.7	9.9	0.2133	0.018	8.5	ug/L	2	Standard
	Se	77	61.7	12.3	0.1689	0.093	55.1	ug/L	40	Standard
	Se	78	2884.6	3.0	0.0651	0.104	160.2	ug/L	2324	Standard
	Br	79	81.3	11.0				ug/L	86	Standard
	Se	82	73.0	5.5	0.1955	0.020	10.1	ug/L	38	Standard
	Kr	83	46.0	3.8				ug/L	43	Standard
	Y	89	453681.8	1.6				ug/L	371443	Standard
>	Rh	103	435363.2	0.7				ug/L	360413	Standard
	Ag	107	2579.2	3.3	0.1716	0.006	3.7	ug/L	366	Standard
	Cd	111	926.0	7.3	0.2313	0.025	10.8	ug/L	249	Standard
	Cd	114	1588.6	3.9	0.2086	0.007	3.3	ug/L	8	Standard
>	In	115	438880.8	1.3				ug/L	414508	Standard
	Ba	135	599.3	2.3	0.2167	0.007	3.1	ug/L	23	Standard
	Ba	137	1005.0	3.2	0.2135	0.008	3.9	ug/L	33	Standard
>	Tb	159	486176.1	0.8				ug/L	457622	Standard
	Ho	165	521012.6	1.2				ug/L	489924	Standard
	Pb	208	10811.6	0.9	0.2014	0.003	1.4	ug/L	453	Standard
	Bi	209	396004.8	0.7				ug/L	380338	Standard
	Th	232	523572.4	0.6				ug/L	490288	Standard
	Cr-1	52	327.3	7.8	0.1428	0.031	21.7	ug/L	159	KED
	Cr-1	53	43.7	16.9	0.1847	0.073	39.7	ug/L	19	KED
	Ni-1	58	239.6	3.5	0.2002	0.003	1.7	ug/L	9	KED
	Ni-1	60	116.3	12.4	0.2234	0.024	10.6	ug/L	2	KED
	Ni-1	62	13.7	27.7	0.1518	0.044	29.3	ug/L	1	KED
	Cu-1	63	297.3	4.8	0.1920	0.008	4.3	ug/L	25	KED
	Cu-1	65	147.7	9.5	0.2011	0.025	12.2	ug/L	9	KED
	Zn-1	66	19.3	51.0	0.0265	0.121	454.5	ug/L	13	KED
	Zn-1	67	3.3	45.8	0.1140	0.104	91.3	ug/L	1	KED
	Zn-1	68	19.3	44.6	0.0803	0.137	170.3	ug/L	11	KED
>	Ge-1	72	7269.2	2.0				ug/L	5623	KED
	As-2	75	11.3	18.4	0.2166	0.042	19.5	ug/L	1	KED
	Se-1	78	2.3	24.7	0.4619	0.235	50.9	ug/L	1	KED
	Y-1	89	10375.8	0.8				ug/L	8035	KED
	Rh-1	103	80650.7	1.5				ug/L	66803	KED
	Cd-1	111	41.0	17.1	0.2287	0.049	21.3	ug/L	4	KED

	Cd-1	114	78.5	9.7	0.1910	0.022	11.7	ug/L	3 KED
>	**In-1**	115	6269.9	1.5				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		128.277
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		123.408
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		120.796
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		105.880
	Ba	135		
	Ba	137		
>	Tb	159		106.240
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		129.266
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		131.224

Quantitative Analysis - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Friday, May 05, 2023 11:05:58
Report Date/Time: Friday, May 05, 2023 12:26:51
Method File: C:\NexION Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION Data_kmckinney\DataSet\X230505A\QC Std 6.034

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	305466.4	2.9				ug/L	264715	Standard
	Cr	52	362926.0	2.7	**38.9183**	1.040	2.7	ug/L	5820	Standard
	Cr	53	42084.3	4.3	**39.4024**	0.563	1.4	ug/L	292	Standard
	Ni	58	195398.1	3.2	**40.6736**	0.680	1.7	ug/L	-965	Standard
	Ni	60	77206.9	3.7	**40.7410**	0.782	1.9	ug/L	18	Standard
	Ni	62	11228.4	4.7	**40.6519**	1.616	4.0	ug/L	37	Standard
	Cu	63	169778.7	4.1	**40.7217**	1.094	2.7	ug/L	79	Standard
	Cu	65	81120.8	3.1	**40.4665**	0.717	1.8	ug/L	33	Standard
	Zn	66	40508.7	2.4	**39.2076**	0.333	0.9	ug/L	138	Standard
	Zn	67	6927.7	3.2	**40.0555**	1.167	2.9	ug/L	17	Standard
	Zn	68	28965.7	1.4	**39.4814**	0.347	0.9	ug/L	124	Standard
>	Ge	72	183303.8	2.0				ug/L	161704	Standard
	As	75	37603.7	1.2	**39.8736**	0.394	1.0	ug/L	1933	Standard
	As-1	75	38149.8	1.8	**39.6698**	0.538	1.4	ug/L	2	Standard
	Se	77	2702.9	3.7	**39.8980**	0.725	1.8	ug/L	40	Standard
	Se	78	11712.1	2.2	**40.1188**	0.184	0.5	ug/L	2324	Standard
	Br	79	94.0	3.8				ug/L	86	Standard
	Se	82	4861.2	4.3	**39.3247**	1.277	3.2	ug/L	38	Standard
	Kr	83	44.0	12.0				ug/L	43	Standard
	Y	89	410261.8	2.2				ug/L	371443	Standard
>	Rh	103	396279.6	0.7				ug/L	360413	Standard
	Ag	107	441654.3	1.1	**38.9177**	0.556	1.4	ug/L	366	Standard
	Cd	111	106142.3	1.5	**40.8481**	0.507	1.2	ug/L	249	Standard
	Cd	114	276844.6	1.1	**40.4151**	0.294	0.7	ug/L	8	Standard
>	In	115	396977.3	0.7				ug/L	414508	Standard
	Ba	135	100828.6	1.1	**41.2592**	0.613	1.5	ug/L	23	Standard
	Ba	137	170041.7	0.8	**40.5880**	0.283	0.7	ug/L	33	Standard
>	Tb	159	447913.3	0.3				ug/L	457622	Standard
	Ho	165	479747.2	2.0				ug/L	489924	Standard
	Pb	208	1835499.4	1.4	**38.8252**	0.680	1.8	ug/L	453	Standard
	Bi	209	367450.7	2.1				ug/L	380338	Standard
	Th	232	480890.3	1.4				ug/L	490288	Standard
	Cr-1	52	31246.5	1.2	**38.7114**	0.777	2.0	ug/L	159	KED
	Cr-1	53	3852.2	0.8	**38.4445**	0.528	1.4	ug/L	19	KED
	Ni-1	58	41488.3	1.1	**38.6738**	0.476	1.2	ug/L	9	KED
	Ni-1	60	17984.3	0.6	**37.7686**	0.364	1.0	ug/L	2	KED
	Ni-1	62	2815.9	0.8	**38.2164**	0.106	0.3	ug/L	1	KED
	Cu-1	63	49632.7	1.0	**38.3159**	0.725	1.9	ug/L	25	KED
	Cu-1	65	24497.3	0.9	**38.5730**	0.577	1.5	ug/L	9	KED
	Zn-1	66	3130.7	0.5	**39.4601**	0.521	1.3	ug/L	13	KED
	Zn-1	67	519.3	1.6	**39.4475**	0.655	1.7	ug/L	1	KED
	Zn-1	68	2437.9	0.9	**39.6526**	0.243	0.6	ug/L	11	KED
>	Ge-1	72	6831.6	0.9				ug/L	5623	KED
	As-2	75	1841.5	2.5	**40.5273**	0.760	1.9	ug/L	1	KED
	Se-1	78	91.3	9.4	**42.8299**	3.851	9.0	ug/L	1	KED
	Y-1	89	9829.4	0.3				ug/L	8035	KED
	Rh-1	103	73759.9	0.1				ug/L	66803	KED
	Cd-1	111	5734.5	0.8	**39.0850**	0.657	1.7	ug/L	4	KED

Cd-1	114	14477.1	0.8	**39.4812**	0.693	1.8	ug/L	3	KED
In-1	115	5867.3	1.2				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		115.395
	Cr	52	97.296	
	Cr	53	98.506	
	Ni	58	101.684	
	Ni	60	101.853	
	Ni	62	101.630	
	Cu	63	101.804	
	Cu	65	101.166	
	Zn	66	98.019	
	Zn	67	100.139	
	Zn	68	98.703	
>	Ge	72		113.358
	As	75	99.684	
	As-1	75	99.175	
	Se	77	99.745	
	Se	78	100.297	
	Br	79		
	Se	82	98.312	
	Kr	83		
	Y	89		
>	Rh	103		109.952
	Ag	107	97.294	
	Cd	111	102.120	
	Cd	114	101.038	
>	In	115		95.771
	Ba	135	103.148	
	Ba	137	101.470	
>	Tb	159		97.878
	Ho	165		
	Pb	208	97.063	
	Bi	209		
	Th	232		
	Cr-1	52	96.779	
	Cr-1	53	96.111	
	Ni-1	58	96.684	
	Ni-1	60	94.422	
	Ni-1	62	95.541	
	Cu-1	63	95.790	
	Cu-1	65	96.432	
	Zn-1	66	98.650	
	Zn-1	67	98.619	
	Zn-1	68	99.132	
>	Ge-1	72		121.485
	As-2	75	101.318	
	Se-1	78	107.075	
	Y-1	89		
	Rh-1	103		
	Cd-1	111	97.712	
	Cd-1	114	98.703	
>	In-1	115		122.797

Quantitative Analysis - Summary Report

Sample ID: QC Std 8

Sample Date/Time: Friday, May 05, 2023 11:12:20
Report Date/Time: Friday, May 05, 2023 12:26:54
Method File: C:\NexION Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION Data_kmckinney\DataSet\X230505A\QC Std 8.035

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	303739.9	2.4				ug/L	264715	Standard
	Cr	52	6820.6	4.6	0.0155	0.021	137.1	ug/L	5820	Standard
	Cr	53	342.7	7.4	0.0070	0.017	246.9	ug/L	292	Standard
	Ni	58	-1143.7	9.3	-0.0125	0.027	215.1	ug/L	-965	Standard
	Ni	60	23.0	11.5	0.0013	0.001	110.5	ug/L	18	Standard
	Ni	62	52.3	31.8	0.0383	0.055	144.9	ug/L	37	Standard
	Cu	63	92.0	8.6	0.0007	0.002	349.4	ug/L	79	Standard
	Cu	65	47.7	18.3	0.0052	0.004	74.6	ug/L	33	Standard
	Zn	66	143.0	5.7	-0.0121	0.004	36.1	ug/L	138	Standard
	Zn	67	24.7	8.4	0.0304	0.015	48.5	ug/L	17	Standard
	Zn	68	151.3	3.1	0.0163	0.006	34.8	ug/L	124	Standard
>	Ge	72	181951.3	2.7				ug/L	161704	Standard
	As	75	2397.2	1.0	0.2535	0.048	18.9	ug/L	1933	Standard
	As-1	75	29.5	27.6	0.0290	0.009	31.9	ug/L	2	Standard
	Se	77	43.0	22.4	-0.0314	0.138	438.9	ug/L	40	Standard
	Se	78	2856.3	1.4	1.0763	0.161	15.0	ug/L	2324	Standard
	Br	79	86.3	4.4				ug/L	86	Standard
	Se	82	49.0	12.4	0.0512	0.048	94.2	ug/L	38	Standard
	Kr	83	41.0	4.2				ug/L	43	Standard
	Y	89	404724.7	2.2				ug/L	371443	Standard
>	Rh	103	390014.7	1.1				ug/L	360413	Standard
	Ag	107	1279.7	16.6	0.0791	0.018	22.5	ug/L	366	Standard
	Cd	111	281.5	5.0	0.0188	0.006	31.7	ug/L	249	Standard
	Cd	114	11.2	35.7	0.0005	0.001	107.8	ug/L	8	Standard
>	In	115	389377.9	0.4				ug/L	414508	Standard
	Ba	135	24.3	10.3	0.0007	0.001	138.5	ug/L	23	Standard
	Ba	137	46.0	4.3	0.0035	0.000	11.5	ug/L	33	Standard
>	Tb	159	443128.0	0.7				ug/L	457622	Standard
	Ho	165	476363.6	0.6				ug/L	489924	Standard
	Pb	208	474.7	1.8	0.0008	0.000	34.1	ug/L	453	Standard
	Bi	209	363083.1	1.0				ug/L	380338	Standard
	Th	232	472920.7	1.6				ug/L	490288	Standard
	Cr-1	52	163.0	3.7	-0.0316	0.007	23.4	ug/L	159	KED
	Cr-1	53	22.3	20.2	0.0024	0.041	1713.6	ug/L	19	KED
	Ni-1	58	13.3	24.4	0.0030	0.003	95.6	ug/L	9	KED
	Ni-1	60	5.0	80.0	0.0050	0.009	179.9	ug/L	2	KED
	Ni-1	62	0.3	173.2	-0.0172	0.008	48.7	ug/L	1	KED
	Cu-1	63	28.3	11.3	-0.0013	0.002	168.8	ug/L	25	KED
	Cu-1	65	11.7	43.1	0.0009	0.008	836.4	ug/L	9	KED
	Zn-1	66	13.7	23.5	-0.0278	0.037	133.8	ug/L	13	KED
	Zn-1	67	3.0	33.3	0.1119	0.077	69.0	ug/L	1	KED
	Zn-1	68	5.0	52.9	-0.1353	0.043	31.6	ug/L	11	KED
>	Ge-1	72	6639.2	3.0				ug/L	5623	KED
	As-2	75	3.0	0.0	0.0502	0.002	4.2	ug/L	1	KED
	Se-1	78	1.0	100.0	-0.0884	0.481	543.8	ug/L	1	KED
	Y-1	89	9613.6	1.5				ug/L	8035	KED
	Rh-1	103	73648.1	1.9				ug/L	66803	KED
	Cd-1	111	3.0	33.3	-0.0133	0.007	49.0	ug/L	4	KED

	Cd-1	114	1.8	101.7	**-0.0046**	0.005	108.0	ug/L	3	KED
>	**In-1**	115	5926.1	2.5				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		114.742
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		112.521
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		108.213
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		93.937
	Ba	135		
	Ba	137		
>	Tb	159		96.833
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		118.063
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		124.028

Quantitative Analysis - Summary Report

Sample ID: ICSA

Sample Date/Time: Friday, May 05, 2023 11:17:56
Report Date/Time: Friday, May 05, 2023 12:26:57
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\ICSA.036

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	291193.0	1.6				ug/L	264715	Standard
	Cr	52	11959.0	4.1	**0.6365**	0.042	6.6	ug/L	5820	Standard
	Cr	53	4374.7	2.7	**4.0150**	0.133	3.3	ug/L	292	Standard
	Ni	58	10830.8	41.2	**2.6188**	0.990	37.8	ug/L	-965	Standard
	Ni	60	1022.0	6.6	**0.5637**	0.027	4.8	ug/L	18	Standard
	Ni	62	1674.8	1.6	**6.3344**	0.099	1.6	ug/L	37	Standard
	Cu	63	3864.9	0.4	**0.9672**	0.017	1.8	ug/L	79	Standard
	Cu	65	1343.4	3.1	**0.6958**	0.016	2.3	ug/L	33	Standard
	Zn	66	1799.1	7.4	**1.7097**	0.109	6.4	ug/L	138	Standard
	Zn	67	610.7	2.7	**3.6588**	0.031	0.8	ug/L	17	Standard
	Zn	68	603.3	6.7	**0.6875**	0.042	6.1	ug/L	124	Standard
>	Ge	72	172015.0	1.9				ug/L	161704	Standard
	As	75	2532.8	3.4	**0.5725**	0.097	16.9	ug/L	1933	Standard
	As-1	75	185.9	31.7	**0.2039**	0.065	32.0	ug/L	2	Standard
	Se	77	349.3	3.7	**4.9129**	0.308	6.3	ug/L	40	Standard
	Se	78	2876.3	0.9	**1.9041**	0.150	7.9	ug/L	2324	Standard
	Br	79	924.7	5.2				ug/L	86	Standard
	Se	82	66.3	13.0	**0.2261**	0.082	36.2	ug/L	38	Standard
	Kr	83	43.0	16.1				ug/L	43	Standard
	Y	89	388038.4	0.9				ug/L	371443	Standard
>	Rh	103	358286.5	1.0				ug/L	360413	Standard
	Ag	107	501.0	7.9	**0.0134**	0.003	25.5	ug/L	366	Standard
	Cd	111	345.9	25.1	**0.0521**	0.036	68.5	ug/L	249	Standard
	Cd	114	2387.4	4.4	**0.3753**	0.015	4.0	ug/L	8	Standard
>	In	115	367525.5	0.7				ug/L	414508	Standard
	Ba	135	341.3	7.5	**0.1331**	0.012	9.2	ug/L	23	Standard
	Ba	137	603.3	7.2	**0.1393**	0.013	9.3	ug/L	33	Standard
>	Tb	159	439644.9	1.7				ug/L	457622	Standard
	Ho	165	470611.5	0.6				ug/L	489924	Standard
	Pb	208	14498.6	2.7	**0.3031**	0.005	1.5	ug/L	453	Standard
	Bi	209	326603.9	1.1				ug/L	380338	Standard
	Th	232	484015.1	1.3				ug/L	490288	Standard
	Cr-1	52	468.7	2.7	**0.4084**	0.005	1.1	ug/L	159	KED
	Cr-1	53	72.0	14.6	**0.5745**	0.106	18.4	ug/L	19	KED
	Ni-1	58	4854.4	2.7	**5.0206**	0.106	2.1	ug/L	9	KED
	Ni-1	60	59.3	23.0	**0.1330**	0.035	26.3	ug/L	2	KED
	Ni-1	62	13.0	13.3	**0.1740**	0.023	13.4	ug/L	1	KED
	Cu-1	63	152.7	12.2	**0.1073**	0.016	15.2	ug/L	25	KED
	Cu-1	65	61.0	5.9	**0.0890**	0.008	8.8	ug/L	9	KED
	Zn-1	66	69.7	4.4	**0.7766**	0.064	8.2	ug/L	13	KED
	Zn-1	67	6.7	48.2	**0.4430**	0.278	62.8	ug/L	1	KED
	Zn-1	68	50.0	7.2	**0.6905**	0.067	9.7	ug/L	11	KED
>	Ge-1	72	6147.0	2.1				ug/L	5623	KED
	As-2	75	3.3	45.8	**0.0642**	0.039	61.2	ug/L	1	KED
	Se-1	78	2.7	21.7	**0.8276**	0.280	33.8	ug/L	1	KED
	Y-1	89	9237.3	1.6				ug/L	8035	KED
	Rh-1	103	65398.7	2.4				ug/L	66803	KED
	Cd-1	111	12.3	52.1	**0.0561**	0.046	81.3	ug/L	4	KED

|	**Cd-1**	114	14.8	50.0	**0.0339**	0.021	62.4	ug/L	3	KED
|>	**In-1**	115	5465.5	2.4				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
⌈>	Sc	45		110.003
|	Cr	52		
⌊	Cr	53		
⌈	Ni	58		
|	Ni	60		
|	Ni	62		
|	Cu	63		
|	Cu	65		
|	Zn	66		
|	Zn	67		
|	Zn	68		
|>	Ge	72		106.377
|	As	75		
|	As-1	75		
|	Se	77		
|	Se	78		
|	Br	79		
⌊	Se	82		
	Kr	83		
	Y	89		
⌈>	Rh	103		99.410
⌊	Ag	107		
⌈	Cd	111		
|	Cd	114		
⌊>	In	115		88.666
⌈	Ba	135		
|	Ba	137		
|>	Tb	159		96.072
|	Ho	165		
|	Pb	208		
|	Bi	209		
⌊	Th	232		
⌈	Cr-1	52		
|	Cr-1	53		
|	Ni-1	58		
|	Ni-1	60		
|	Ni-1	62		
|	Cu-1	63		
|	Cu-1	65		
|	Zn-1	66		
|	Zn-1	67		
|	Zn-1	68		
|>	Ge-1	72		109.310
|	As-2	75		
⌊	Se-1	78		
	Y-1	89		
	Rh-1	103		
⌈	Cd-1	111		
|	Cd-1	114		
⌊>	In-1	115		114.387

Quantitative Analysis - Summary Report

Sample ID: ICSAB

Sample Date/Time: Friday, May 05, 2023 11:23:31
Report Date/Time: Friday, May 05, 2023 12:26:59
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\ICSAB.037

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	280023.5	2.8				ug/L	264715	Standard
	Cr	52	335720.5	2.4	**39.2723**	0.441	1.1	ug/L	5820	Standard
	Cr	53	41592.8	2.6	**42.5333**	1.400	3.3	ug/L	292	Standard
	Ni	58	179258.6	8.5	**41.0608**	2.752	6.7	ug/L	-965	Standard
	Ni	60	68708.6	2.6	**39.9295**	0.388	1.0	ug/L	18	Standard
	Ni	62	11604.7	2.7	**46.2887**	0.868	1.9	ug/L	37	Standard
	Cu	63	164101.9	2.5	**43.3491**	0.371	0.9	ug/L	79	Standard
	Cu	65	78082.2	2.5	**42.8946**	0.502	1.2	ug/L	33	Standard
	Zn	66	41297.0	2.4	**44.0336**	0.573	1.3	ug/L	138	Standard
	Zn	67	7157.5	1.9	**45.5834**	0.174	0.4	ug/L	17	Standard
	Zn	68	28718.2	1.9	**43.1191**	0.415	1.0	ug/L	124	Standard
>	Ge	72	166459.0	1.7				ug/L	161704	Standard
	As	75	35735.6	0.8	**41.8424**	0.503	1.2	ug/L	1933	Standard
	As-1	75	36078.1	0.2	**41.3157**	0.615	1.5	ug/L	2	Standard
	Se	77	2930.3	0.6	**47.7818**	0.705	1.5	ug/L	40	Standard
	Se	78	11266.4	1.3	**43.1920**	0.312	0.7	ug/L	2324	Standard
	Br	79	1018.4	2.8				ug/L	86	Standard
	Se	82	4593.1	1.9	**40.9452**	1.171	2.9	ug/L	38	Standard
	Kr	83	48.0	9.1				ug/L	43	Standard
	Y	89	381523.7	0.9				ug/L	371443	Standard
>	Rh	103	353604.3	0.9				ug/L	360413	Standard
	Ag	107	345538.8	1.8	**34.1180**	0.621	1.8	ug/L	366	Standard
	Cd	111	95345.8	0.6	**40.4981**	0.162	0.4	ug/L	249	Standard
	Cd	114	253134.1	1.0	**40.7863**	0.332	0.8	ug/L	8	Standard
>	In	115	359675.2	0.2				ug/L	414508	Standard
	Ba	135	92073.1	1.0	**39.2427**	0.386	1.0	ug/L	23	Standard
	Ba	137	159746.3	1.6	**39.7174**	0.642	1.6	ug/L	33	Standard
>	Tb	159	430017.4	0.1				ug/L	457622	Standard
	Ho	165	458939.9	1.1				ug/L	489924	Standard
	Pb	208	1712963.1	0.5	**37.7397**	0.217	0.6	ug/L	453	Standard
	Bi	209	322228.2	1.1				ug/L	380338	Standard
	Th	232	477601.5	1.3				ug/L	490288	Standard
	Cr-1	52	28319.4	0.9	**41.8243**	0.959	2.3	ug/L	159	KED
	Cr-1	53	3534.8	1.4	**42.0611**	1.305	3.1	ug/L	19	KED
	Ni-1	58	40528.2	1.3	**45.0113**	0.355	0.8	ug/L	9	KED
	Ni-1	60	15899.2	1.5	**39.7799**	0.257	0.6	ug/L	2	KED
	Ni-1	62	2469.5	3.7	**39.9514**	2.052	5.1	ug/L	1	KED
	Cu-1	63	46516.9	0.7	**42.7882**	0.693	1.6	ug/L	25	KED
	Cu-1	65	23004.5	0.8	**43.1615**	0.775	1.8	ug/L	9	KED
	Zn-1	66	3011.0	1.2	**45.2480**	0.808	1.8	ug/L	13	KED
	Zn-1	67	476.7	5.9	**43.1903**	3.452	8.0	ug/L	1	KED
	Zn-1	68	2264.5	2.8	**43.8982**	0.371	0.8	ug/L	11	KED
>	Ge-1	72	5734.5	2.1				ug/L	5623	KED
	As-2	75	1585.4	2.5	**41.5703**	0.430	1.0	ug/L	1	KED
	Se-1	78	71.7	7.2	**39.9837**	2.082	5.2	ug/L	1	KED
	Y-1	89	8866.1	2.4				ug/L	8035	KED
	Rh-1	103	63862.8	1.5				ug/L	66803	KED
	Cd-1	111	5194.3	0.7	**39.4725**	0.350	0.9	ug/L	4	KED

	Cd-1	114	13267.0	1.5	**40.3373**	0.400	1.0	ug/L	3 KED
>	**In-1**	115	5262.0	0.7				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		105.783
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		102.941
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		98.111
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		86.772
	Ba	135		
	Ba	137		
>	Tb	159		93.968
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		101.975
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		110.128

Quantitative Analysis - Summary Report

Sample ID: MB0505SM1 5X

Sample Date/Time: Friday, May 05, 2023 11:29:18
Report Date/Time: Friday, May 05, 2023 12:27:14
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\MB0505SM1 5X.038

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	375163.9	2.0				ug/L	264715	Standard
	Cr	52	17323.8	5.1	0.8068	0.057	7.1	ug/L	5820	Standard
	Cr	53	51490.3	2.8	39.2611	0.672	1.7	ug/L	292	Standard
	Ni	58	-289.1	10.0	0.1743	0.005	3.1	ug/L	-965	Standard
	Ni	60	414.3	2.7	0.1794	0.004	2.4	ug/L	18	Standard
	Ni	62	114.7	8.7	0.2105	0.036	17.1	ug/L	37	Standard
	Cu	63	2032.8	0.6	0.4030	0.006	1.5	ug/L	79	Standard
	Cu	65	1022.7	0.5	0.4255	0.008	1.8	ug/L	33	Standard
	Zn	66	1133.0	4.0	0.8057	0.028	3.4	ug/L	138	Standard
	Zn	67	507.7	4.6	2.4467	0.093	3.8	ug/L	17	Standard
	Zn	68	833.4	6.7	0.8002	0.055	6.9	ug/L	124	Standard
>	Ge	72	210665.8	1.2				ug/L	161704	Standard
	As	75	3468.3	0.9	0.9316	0.048	5.1	ug/L	1933	Standard
	As-1	75	977.4	15.9	0.8829	0.145	16.4	ug/L	2	Standard
	Se	77	3234.7	3.6	41.5755	1.005	2.4	ug/L	40	Standard
	Se	78	3026.3	4.0	-0.0070	0.401	5708.9	ug/L	2324	Standard
	Br	79	372.7	4.9				ug/L	86	Standard
	Se	82	60.0	20.2	0.0750	0.089	118.4	ug/L	38	Standard
	Kr	83	35.3	6.5				ug/L	43	Standard
	Y	89	455827.3	0.7				ug/L	371443	Standard
>	Rh	103	432796.1	0.9				ug/L	360413	Standard
	Ag	107	2286.5	15.0	0.1490	0.026	17.5	ug/L	366	Standard
	Cd	111	462.8	3.1	0.0523	0.005	9.4	ug/L	249	Standard
	Cd	114	531.9	3.1	0.0616	0.002	2.9	ug/L	8	Standard
>	In	115	491522.1	0.4				ug/L	414508	Standard
	Ba	135	1135.7	2.9	0.3857	0.011	2.9	ug/L	23	Standard
	Ba	137	1964.8	2.6	0.3910	0.008	2.1	ug/L	33	Standard
>	Tb	159	527064.3	0.6				ug/L	457622	Standard
	Ho	165	565744.3	1.3				ug/L	489924	Standard
	Pb	208	11893.6	0.5	0.2045	0.002	1.0	ug/L	453	Standard
	Bi	209	427175.6	1.2				ug/L	380338	Standard
	Th	232	560266.3	0.4				ug/L	490288	Standard
	Cr-1	52	349.0	1.7	0.1400	0.007	4.9	ug/L	159	KED
	Cr-1	53	64.7	14.4	0.3401	0.077	22.6	ug/L	19	KED
	Ni-1	58	222.1	2.7	0.1715	0.007	3.8	ug/L	9	KED
	Ni-1	60	106.0	10.9	0.1889	0.021	10.9	ug/L	2	KED
	Ni-1	62	15.0	24.0	0.1558	0.040	25.4	ug/L	1	KED
	Cu-1	63	621.0	1.2	0.3962	0.012	3.0	ug/L	25	KED
	Cu-1	65	296.0	4.0	0.3902	0.012	3.2	ug/L	9	KED
	Zn-1	66	83.7	10.2	0.7236	0.108	14.9	ug/L	13	KED
	Zn-1	67	15.0	24.0	0.8752	0.229	26.2	ug/L	1	KED
	Zn-1	68	65.3	3.9	0.7171	0.050	6.9	ug/L	11	KED
>	Ge-1	72	7805.5	1.7				ug/L	5623	KED
	As-2	75	8.3	38.6	0.1421	0.059	41.3	ug/L	1	KED
	Se-1	78	2.3	24.7	0.3948	0.250	63.2	ug/L	1	KED
	Y-1	89	11177.4	2.3				ug/L	8035	KED
	Rh-1	103	86998.1	1.0				ug/L	66803	KED
	Cd-1	111	13.7	8.4	0.0491	0.006	11.7	ug/L	4	KED

	Cd-1	114	29.5	1.5	0.0619	0.002	2.6	ug/L	3 KED
>	In-1	115	6620.4	1.6				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		141.724
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		130.279
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		120.084
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		118.580
	Ba	135		
	Ba	137		
>	Tb	159		115.175
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		138.802
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		138.558

Quantitative Analysis - Summary Report

Sample ID: SB0505SM1 100X

Sample Date/Time: Friday, May 05, 2023 11:34:53
Report Date/Time: Friday, May 05, 2023 12:27:16
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\SB0505SM1 100X.039

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	312577.6	2.7				ug/L	264715	Standard
	Cr	52	193596.1	1.3	19.9373	0.360	1.8	ug/L	5820	Standard
	Cr	53	26564.3	2.1	24.1950	0.415	1.7	ug/L	292	Standard
	Ni	58	97568.1	2.6	20.5987	0.176	0.9	ug/L	-965	Standard
	Ni	60	39348.5	3.1	20.9390	0.212	1.0	ug/L	18	Standard
	Ni	62	5802.8	2.3	21.1224	0.497	2.4	ug/L	37	Standard
	Cu	63	44760.1	3.1	10.8140	0.186	1.7	ug/L	79	Standard
	Cu	65	21152.0	3.5	10.6273	0.044	0.4	ug/L	33	Standard
	Zn	66	21437.4	3.3	20.8537	0.052	0.2	ug/L	138	Standard
	Zn	67	3368.1	2.9	19.5806	0.144	0.7	ug/L	17	Standard
	Zn	68	15233.5	2.6	20.8499	0.220	1.1	ug/L	124	Standard
>	Ge	72	181770.6	3.2				ug/L	161704	Standard
	As	75	20660.1	3.0	20.9927	0.356	1.7	ug/L	1933	Standard
	As-1	75	19867.2	3.0	20.8329	0.274	1.3	ug/L	2	Standard
	Se	77	1638.8	1.4	24.1455	0.506	2.1	ug/L	40	Standard
	Se	78	7401.6	2.1	21.3560	0.658	3.1	ug/L	2324	Standard
	Br	79	106.3	6.0				ug/L	86	Standard
	Se	82	2554.9	1.8	20.6869	0.346	1.7	ug/L	38	Standard
	Kr	83	52.7	13.5				ug/L	43	Standard
	Y	89	413206.9	2.6				ug/L	371443	Standard
>	Rh	103	401090.9	2.3				ug/L	360413	Standard
	Ag	107	55186.1	2.4	4.7734	0.062	1.3	ug/L	366	Standard
	Cd	111	26595.2	2.2	10.3733	0.150	1.4	ug/L	249	Standard
	Cd	114	69026.4	1.6	10.2801	0.134	1.3	ug/L	8	Standard
>	In	115	389137.7	2.0				ug/L	414508	Standard
	Ba	135	49773.9	2.1	20.6100	0.414	2.0	ug/L	23	Standard
	Ba	137	85497.8	1.6	20.6517	0.238	1.2	ug/L	33	Standard
>	Tb	159	442551.3	1.3				ug/L	457622	Standard
	Ho	165	476074.3	1.4				ug/L	489924	Standard
	Pb	208	2396226.6	1.6	51.3027	0.655	1.3	ug/L	453	Standard
	Bi	209	369042.7	1.9				ug/L	380338	Standard
	Th	232	490771.1	0.5				ug/L	490288	Standard
	Cr-1	52	16236.6	1.4	20.5242	0.504	2.5	ug/L	159	KED
	Cr-1	53	1984.5	3.9	20.2134	0.959	4.7	ug/L	19	KED
	Ni-1	58	21339.8	0.7	20.4020	0.222	1.1	ug/L	9	KED
	Ni-1	60	9261.3	1.3	19.9482	0.059	0.3	ug/L	2	KED
	Ni-1	62	1442.1	2.9	20.0702	0.740	3.7	ug/L	1	KED
	Cu-1	63	12993.9	1.4	10.2725	0.171	1.7	ug/L	25	KED
	Cu-1	65	6406.8	0.5	10.3352	0.062	0.6	ug/L	9	KED
	Zn-1	66	1620.8	1.5	20.8615	0.480	2.3	ug/L	13	KED
	Zn-1	67	264.7	6.6	20.5649	1.391	6.8	ug/L	1	KED
	Zn-1	68	1264.4	0.7	20.9952	0.121	0.6	ug/L	11	KED
>	Ge-1	72	6659.6	1.1				ug/L	5623	KED
	As-2	75	885.4	4.4	19.9811	0.866	4.3	ug/L	1	KED
	Se-1	78	47.0	18.5	22.3758	4.466	20.0	ug/L	1	KED
	Y-1	89	9567.9	1.4				ug/L	8035	KED
	Rh-1	103	73798.2	1.6				ug/L	66803	KED
	Cd-1	111	1451.7	4.4	9.7022	0.368	3.8	ug/L	4	KED

	Cd-1	114	3676.1	1.3	9.8503	0.125	1.3	ug/L	3	KED
>	In-1	115	5966.8	1.2				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		118.081
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		112.409
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		111.287
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		93.879
	Ba	135		
	Ba	137		
>	Tb	159		96.707
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		118.425
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		124.879

Quantitative Analysis - Summary Report

Sample ID: 04-330-02a 5X

Sample Date/Time: Friday, May 05, 2023 11:40:28
Report Date/Time: Friday, May 05, 2023 12:27:19
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-02a 5X.040

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	565182.5	3.9				ug/L	264715	Standard
	Cr	52	943952.0	4.2	54.9889	0.170	0.3	ug/L	5820	Standard
	Cr	53	150145.5	4.1	76.2905	0.162	0.2	ug/L	292	Standard
	Ni	58	426707.3	14.4	78.0782	11.250	14.4	ug/L	-965	Standard
	Ni	60	155587.5	3.0	72.3605	0.246	0.3	ug/L	18	Standard
	Ni	62	26350.6	4.3	84.2061	1.389	1.6	ug/L	37	Standard
	Cu	63	1257442.9	3.5	265.9009	4.994	1.9	ug/L	79	Standard
	Cu	65	604987.6	3.6	266.0027	2.348	0.9	ug/L	33	Standard
	Zn	66	603963.8	2.7	516.9317	1.457	0.3	ug/L	138	Standard
	Zn	67	93874.6	3.2	479.4310	4.449	0.9	ug/L	17	Standard
	Zn	68	416125.6	2.8	501.9667	3.412	0.7	ug/L	124	Standard
>	Ge	72	208034.8	2.7				ug/L	161704	Standard
	As	75	48974.4	2.8	46.1152	0.237	0.5	ug/L	1933	Standard
	As-1	75	48213.8	2.6	44.1732	0.341	0.8	ug/L	2	Standard
	Se	77	4096.3	5.4	53.4916	1.517	2.8	ug/L	40	Standard
	Se	78	3437.7	2.9	1.7444	0.253	14.5	ug/L	2324	Standard
	Br	79	278455.7	0.4				ug/L	86	Standard
	Se	82	1008.4	5.3	6.9100	0.544	7.9	ug/L	38	Standard
	Kr	83	158.7	8.4				ug/L	43	Standard
	Y	89	938246.1	1.8				ug/L	371443	Standard
>	Rh	103	394140.1	0.9				ug/L	360413	Standard
	Ag	107	26361.6	3.0	2.3018	0.049	2.1	ug/L	366	Standard
	Cd	111	9917.6	0.8	3.2850	0.080	2.4	ug/L	249	Standard
	Cd	114	18227.3	0.5	2.3478	0.042	1.8	ug/L	8	Standard
>	In	115	449812.6	1.7				ug/L	414508	Standard
	Ba	135	427834.0	0.4	137.2270	0.583	0.4	ug/L	23	Standard
	Ba	137	738185.6	0.6	138.1134	0.624	0.5	ug/L	33	Standard
>	Tb	159	571508.7	0.4				ug/L	457622	Standard
	Ho	165	608153.4	0.7				ug/L	489924	Standard
	Pb	208	14157429.6	0.5	234.7419	1.387	0.6	ug/L	453	Standard
	Bi	209	422836.7	0.8				ug/L	380338	Standard
	Th	232	751260.6	0.5				ug/L	490288	Standard
	Cr-1	52	77983.6	0.6	96.1479	0.899	0.9	ug/L	159	KED
	Cr-1	53	9383.1	1.5	93.1729	1.575	1.7	ug/L	19	KED
	Ni-1	58	93635.3	3.9	86.5593	3.416	3.9	ug/L	9	KED
	Ni-1	60	34365.3	0.7	71.5651	0.492	0.7	ug/L	2	KED
	Ni-1	62	5481.7	0.8	73.7982	1.547	2.1	ug/L	1	KED
	Cu-1	63	355967.8	0.4	272.6127	2.642	1.0	ug/L	25	KED
	Cu-1	65	178206.3	0.9	278.3507	4.842	1.7	ug/L	9	KED
	Zn-1	66	44360.1	1.0	557.1404	12.553	2.3	ug/L	13	KED
	Zn-1	67	6790.9	2.9	513.1029	21.944	4.3	ug/L	1	KED
	Zn-1	68	32470.5	1.0	526.4217	11.276	2.1	ug/L	11	KED
>	Ge-1	72	6890.0	1.4				ug/L	5623	KED
	As-2	75	2123.2	3.2	46.3293	0.833	1.8	ug/L	1	KED
	Se-1	78	14.0	39.8	6.0334	2.654	44.0	ug/L	1	KED
	Y-1	89	22242.0	1.0				ug/L	8035	KED
	Rh-1	103	74696.1	1.3				ug/L	66803	KED
	Cd-1	111	398.7	3.2	2.5229	0.087	3.5	ug/L	4	KED

Cd-1	114	962.4	4.3	**2.4588**	0.128	5.2	ug/L	3	KED
In-1	115	6241.6	1.0				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		213.506
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		128.652
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		109.358
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		108.517
	Ba	135		
	Ba	137		
>	Tb	159		124.887
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		122.523
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		130.630

Quantitative Analysis - Summary Report

Sample ID: 04-330-02a 50X

Sample Date/Time: Friday, May 05, 2023 11:53:21
Report Date/Time: Friday, May 05, 2023 12:27:21
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-02a 50X.041

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	338089.9	1.2				ug/L	264715	Standard
	Cr	52	86583.6	1.3	7.8114	0.084	1.1	ug/L	5820	Standard
	Cr	53	14188.7	2.9	11.7830	0.214	1.8	ug/L	292	Standard
	Ni	58	39424.3	9.9	8.0576	0.718	8.9	ug/L	-965	Standard
	Ni	60	13884.7	1.3	7.0261	0.125	1.8	ug/L	18	Standard
	Ni	62	2258.5	3.3	7.7258	0.188	2.4	ug/L	37	Standard
	Cu	63	119127.2	2.5	27.4224	0.299	1.1	ug/L	79	Standard
	Cu	65	56981.1	2.8	27.2766	0.201	0.7	ug/L	33	Standard
	Zn	66	55704.8	2.7	51.7951	0.008	0.0	ug/L	138	Standard
	Zn	67	8692.6	2.2	48.2631	0.661	1.4	ug/L	17	Standard
	Zn	68	38629.5	3.1	50.5802	0.469	0.9	ug/L	124	Standard
>	Ge	72	190994.5	2.7				ug/L	161704	Standard
	As	75	6682.1	1.3	4.7556	0.113	2.4	ug/L	1933	Standard
	As-1	75	4344.1	1.4	4.3341	0.054	1.2	ug/L	2	Standard
	Se	77	421.3	2.6	5.3936	0.200	3.7	ug/L	40	Standard
	Se	78	3117.3	1.6	1.5825	0.281	17.8	ug/L	2324	Standard
	Br	79	29728.9	1.8				ug/L	86	Standard
	Se	82	165.3	2.3	0.9437	0.010	1.1	ug/L	38	Standard
	Kr	83	52.0	6.9				ug/L	43	Standard
	Y	89	472692.9	2.5				ug/L	371443	Standard
>	Rh	103	409134.9	1.8				ug/L	360413	Standard
	Ag	107	2498.9	3.6	0.1779	0.004	2.1	ug/L	366	Standard
	Cd	111	1144.9	3.8	0.3673	0.023	6.1	ug/L	249	Standard
	Cd	114	1494.5	1.8	0.2257	0.001	0.3	ug/L	8	Standard
>	In	115	381916.6	1.6				ug/L	414508	Standard
	Ba	135	34506.6	1.0	13.9439	0.155	1.1	ug/L	23	Standard
	Ba	137	59255.0	1.1	13.9683	0.026	0.2	ug/L	33	Standard
>	Tb	159	453379.5	1.1				ug/L	457622	Standard
	Ho	165	489409.0	0.8				ug/L	489924	Standard
	Pb	208	1221075.5	0.4	25.5145	0.185	0.7	ug/L	453	Standard
	Bi	209	356446.9	0.7				ug/L	380338	Standard
	Th	232	499852.0	0.6				ug/L	490288	Standard
	Cr-1	52	6756.6	1.3	8.5851	0.196	2.3	ug/L	159	KED
	Cr-1	53	855.7	2.5	8.7729	0.211	2.4	ug/L	19	KED
	Ni-1	58	8786.2	3.0	8.5755	0.324	3.8	ug/L	9	KED
	Ni-1	60	3088.7	1.6	6.7918	0.119	1.8	ug/L	2	KED
	Ni-1	62	496.0	2.1	7.0362	0.184	2.6	ug/L	1	KED
	Cu-1	63	32616.2	0.5	26.3742	0.222	0.8	ug/L	25	KED
	Cu-1	65	16271.6	0.9	26.8387	0.042	0.2	ug/L	9	KED
	Zn-1	66	4010.9	1.5	53.0453	1.225	2.3	ug/L	13	KED
	Zn-1	67	648.3	4.7	51.6324	2.190	4.2	ug/L	1	KED
	Zn-1	68	2984.0	4.0	50.9127	1.796	3.5	ug/L	11	KED
>	Ge-1	72	6519.8	0.9				ug/L	5623	KED
	As-2	75	190.3	2.7	4.3735	0.102	2.3	ug/L	1	KED
	Se-1	78	2.7	43.3	0.7483	0.564	75.4	ug/L	1	KED
	Y-1	89	10853.5	3.0				ug/L	8035	KED
	Rh-1	103	72464.3	0.8				ug/L	66803	KED
	Cd-1	111	33.0	9.1	0.1812	0.018	10.0	ug/L	4	KED

	Cd-1	114	95.1	7.6	**0.2381**	0.017	7.2	ug/L	3	KED
>	In-1	115	6147.6	0.8				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		127.719
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		118.114
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		113.518
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		92.137
	Ba	135		
	Ba	137		
>	Tb	159		99.073
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		115.940
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		128.663

Quantitative Analysis - Summary Report

Sample ID: 04-330-02aD 50X

Sample Date/Time: Friday, May 05, 2023 11:58:56
Report Date/Time: Friday, May 05, 2023 12:27:24
Method File: C:\NexION Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION Data_kmckinney\DataSet\X230505A\04-330-02aD 50X.042

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	352082.5	2.2				ug/L	264715	Standard
	Cr	52	98445.4	1.3	8.5969	0.083	1.0	ug/L	5820	Standard
	Cr	53	15322.9	2.7	12.2318	0.081	0.7	ug/L	292	Standard
	Ni	58	45471.6	8.7	9.0129	0.664	7.4	ug/L	-965	Standard
	Ni	60	15652.2	0.7	7.7070	0.067	0.9	ug/L	18	Standard
	Ni	62	2549.6	3.6	8.5017	0.306	3.6	ug/L	37	Standard
	Cu	63	124568.8	1.5	27.9025	0.122	0.4	ug/L	79	Standard
	Cu	65	59962.3	2.0	27.9308	0.219	0.8	ug/L	33	Standard
	Zn	66	51851.9	1.5	46.9031	0.467	1.0	ug/L	138	Standard
	Zn	67	8266.7	2.3	44.6509	0.926	2.1	ug/L	17	Standard
	Zn	68	36667.0	1.1	46.7086	0.126	0.3	ug/L	124	Standard
>	Ge	72	196269.5	1.3				ug/L	161704	Standard
	As	75	6936.5	2.7	4.8263	0.102	2.1	ug/L	1933	Standard
	As-1	75	4601.7	2.3	4.4665	0.058	1.3	ug/L	2	Standard
	Se	77	399.7	8.4	4.9270	0.511	10.4	ug/L	40	Standard
	Se	78	3036.7	3.1	0.8883	0.229	25.8	ug/L	2324	Standard
	Br	79	23701.0	2.2				ug/L	86	Standard
	Se	82	135.0	3.9	0.6779	0.048	7.2	ug/L	38	Standard
	Kr	83	47.7	8.5				ug/L	43	Standard
	Y	89	499413.4	3.0				ug/L	371443	Standard
>	Rh	103	427212.2	2.8				ug/L	360413	Standard
	Ag	107	2421.5	1.4	0.1627	0.003	1.9	ug/L	366	Standard
	Cd	111	1014.8	5.8	0.2962	0.023	7.8	ug/L	249	Standard
	Cd	114	1264.4	6.0	0.1818	0.009	5.0	ug/L	8	Standard
>	In	115	400461.8	1.3				ug/L	414508	Standard
	Ba	135	79488.2	0.3	30.6272	0.128	0.4	ug/L	23	Standard
	Ba	137	135891.3	0.5	30.5436	0.055	0.2	ug/L	33	Standard
>	Tb	159	475642.0	0.3				ug/L	457622	Standard
	Ho	165	515263.1	0.7				ug/L	489924	Standard
	Pb	208	1579056.2	0.6	31.4505	0.077	0.2	ug/L	453	Standard
	Bi	209	374126.0	1.5				ug/L	380338	Standard
	Th	232	521235.2	0.6				ug/L	490288	Standard
	Cr-1	52	7883.2	1.0	9.5427	0.291	3.1	ug/L	159	KED
	Cr-1	53	941.7	1.3	9.1820	0.135	1.5	ug/L	19	KED
	Ni-1	58	9596.0	1.0	8.8963	0.131	1.5	ug/L	9	KED
	Ni-1	60	3546.4	1.5	7.4112	0.277	3.7	ug/L	2	KED
	Ni-1	62	536.0	6.5	7.2309	0.632	8.7	ug/L	1	KED
	Cu-1	63	34776.6	0.9	26.7179	0.662	2.5	ug/L	25	KED
	Cu-1	65	17155.3	0.8	26.8834	0.542	2.0	ug/L	9	KED
	Zn-1	66	3836.5	1.7	48.1867	1.539	3.2	ug/L	13	KED
	Zn-1	67	628.7	2.7	47.5528	1.077	2.3	ug/L	1	KED
	Zn-1	68	2863.0	4.2	46.3676	0.996	2.1	ug/L	11	KED
>	Ge-1	72	6864.3	2.2				ug/L	5623	KED
	As-2	75	227.7	5.0	4.9732	0.276	5.5	ug/L	1	KED
	Se-1	78	3.3	34.6	1.0054	0.566	56.3	ug/L	1	KED
	Y-1	89	11312.5	1.4				ug/L	8035	KED
	Rh-1	103	76240.9	0.5				ug/L	66803	KED
	Cd-1	111	28.3	11.3	0.1416	0.018	12.6	ug/L	4	KED

	Cd-1	114	86.8	12.5	**0.2054**	0.029	14.2	ug/L	3	KED
>	In-1	115	6470.6	1.3				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		133.004
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		121.376
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		118.534
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		96.611
	Ba	135		
	Ba	137		
>	Tb	159		103.938
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		122.066
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		135.424

Quantitative Analysis - Summary Report

Sample ID: 04-330-02aL 250X

Sample Date/Time: Friday, May 05, 2023 12:04:32
Report Date/Time: Friday, May 05, 2023 12:27:26
Method File: C:\NexION Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION Data_kmckinney\DataSet\X230505A\04-330-02aL 250X.043

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	344659.6	1.4				ug/L	264715	Standard
	Cr	52	25099.0	1.4	1.6966	0.052	3.0	ug/L	5820	Standard
	Cr	53	4131.9	2.1	3.1393	0.069	2.2	ug/L	292	Standard
	Ni	58	7732.7	4.4	1.6913	0.068	4.0	ug/L	-965	Standard
	Ni	60	3109.7	1.0	1.4913	0.022	1.5	ug/L	18	Standard
	Ni	62	564.3	1.5	1.7244	0.039	2.3	ug/L	37	Standard
	Cu	63	26820.8	0.3	5.8693	0.054	0.9	ug/L	79	Standard
	Cu	65	12721.0	1.2	5.7909	0.022	0.4	ug/L	33	Standard
	Zn	66	12208.5	1.2	10.7023	0.047	0.4	ug/L	138	Standard
	Zn	67	1965.1	0.8	10.3124	0.170	1.6	ug/L	17	Standard
	Zn	68	8533.9	1.1	10.5020	0.102	1.0	ug/L	124	Standard
>	Ge	72	200329.2	0.8				ug/L	161704	Standard
	As	75	3397.8	1.7	1.0338	0.036	3.5	ug/L	1933	Standard
	As-1	75	961.0	4.9	0.9121	0.038	4.2	ug/L	2	Standard
	Se	77	153.7	5.7	1.4300	0.104	7.3	ug/L	40	Standard
	Se	78	2994.3	1.3	0.4648	0.100	21.5	ug/L	2324	Standard
	Br	79	7448.6	4.1				ug/L	86	Standard
	Se	82	72.0	21.0	0.1859	0.111	59.9	ug/L	38	Standard
	Kr	83	44.0	21.9				ug/L	43	Standard
	Y	89	460894.6	2.1				ug/L	371443	Standard
>	Rh	103	439528.7	0.8				ug/L	360413	Standard
	Ag	107	670.7	1.5	0.0178	0.001	4.3	ug/L	366	Standard
	Cd	111	459.5	4.7	0.0818	0.008	9.9	ug/L	249	Standard
	Cd	114	318.6	2.4	0.0445	0.001	2.7	ug/L	8	Standard
>	In	115	405077.3	0.9				ug/L	414508	Standard
	Ba	135	7584.7	1.5	2.9675	0.026	0.9	ug/L	23	Standard
	Ba	137	13034.6	2.3	2.9763	0.044	1.5	ug/L	33	Standard
>	Tb	159	467116.6	1.8				ug/L	457622	Standard
	Ho	165	501519.0	2.0				ug/L	489924	Standard
	Pb	208	277544.4	1.3	5.6216	0.056	1.0	ug/L	453	Standard
	Bi	209	378412.1	0.4				ug/L	380338	Standard
	Th	232	509107.3	0.9				ug/L	490288	Standard
	Cr-1	52	1633.1	1.7	1.7476	0.059	3.4	ug/L	159	KED
	Cr-1	53	201.0	7.8	1.7413	0.121	6.9	ug/L	19	KED
	Ni-1	58	1975.2	3.7	1.7896	0.096	5.4	ug/L	9	KED
	Ni-1	60	694.4	4.8	1.4177	0.046	3.3	ug/L	2	KED
	Ni-1	62	107.0	7.1	1.3960	0.076	5.4	ug/L	1	KED
	Cu-1	63	7227.5	1.7	5.4279	0.087	1.6	ug/L	25	KED
	Cu-1	65	3652.1	1.1	5.6003	0.065	1.2	ug/L	9	KED
	Zn-1	66	891.7	3.9	10.8279	0.457	4.2	ug/L	13	KED
	Zn-1	67	142.3	10.1	10.4584	0.936	9.0	ug/L	1	KED
	Zn-1	68	659.7	2.5	10.3171	0.217	2.1	ug/L	11	KED
>	Ge-1	72	6996.0	1.7				ug/L	5623	KED
	As-2	75	38.3	9.9	0.8058	0.071	8.8	ug/L	1	KED
	Se-1	78	2.0	50.0	0.3481	0.459	131.9	ug/L	1	KED
	Y-1	89	10485.8	2.4				ug/L	8035	KED
	Rh-1	103	77479.2	1.2				ug/L	66803	KED
	Cd-1	111	9.0	29.4	0.0222	0.016	73.5	ug/L	4	KED

	Cd-1	114	25.3	14.3	**0.0531**	0.009	16.4	ug/L	3	KED
>	In-1	115	6466.2	0.7				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		130.200
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		123.886
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		121.952
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		97.725
	Ba	135		
	Ba	137		
>	Tb	159		102.075
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		124.409
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		135.331

Quantitative Analysis - Summary Report

Sample ID: 04-330-02aMS 100X

Sample Date/Time: Friday, May 05, 2023 12:10:09
Report Date/Time: Friday, May 05, 2023 12:27:27
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-02aMS 100X.044

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
⌈>	Sc	45	351085.1	2.7				ug/L	264715	Standard
|	Cr	52	234169.6	2.7	**21.5211**	0.179	0.8	ug/L	5820	Standard
⌊	Cr	53	29179.8	2.1	**23.6532**	0.145	0.6	ug/L	292	Standard
⌈	Ni	58	122463.3	2.6	**23.2399**	0.350	1.5	ug/L	-965	Standard
|	Ni	60	47173.5	2.2	**22.5961**	0.205	0.9	ug/L	18	Standard
|	Ni	62	6989.7	2.5	**22.9061**	0.225	1.0	ug/L	37	Standard
⌈	Cu	63	111098.6	2.8	**24.1857**	0.525	2.2	ug/L	79	Standard
|	Cu	65	53438.1	2.7	**24.1917**	0.304	1.3	ug/L	33	Standard
⌈	Zn	66	47706.5	1.6	**41.9298**	0.270	0.6	ug/L	138	Standard
|	Zn	67	7330.5	2.3	**38.4788**	1.207	3.1	ug/L	17	Standard
⌊	Zn	68	32921.2	1.9	**40.7382**	0.431	1.1	ug/L	124	Standard
⌈>	Ge	72	201921.3	1.6				ug/L	161704	Standard
⌈	As	75	23574.7	0.7	**21.6307**	0.291	1.3	ug/L	1933	Standard
⌊	As-1	75	22785.2	0.8	**21.5114**	0.518	2.4	ug/L	2	Standard
⌈	Se	77	1671.1	4.6	**22.0933**	0.752	3.4	ug/L	40	Standard
⌊	Se	78	7724.4	0.3	**19.3537**	0.558	2.9	ug/L	2324	Standard
⌈	Br	79	20949.0	1.3				ug/L	86	Standard
⌊	Se	82	2683.6	5.9	**19.5490**	1.459	7.5	ug/L	38	Standard
	Kr	83	49.3	13.5				ug/L	43	Standard
	Y	89	471771.3	2.0				ug/L	371443	Standard
⌈>	Rh	103	432160.7	1.0				ug/L	360413	Standard
⌊	Ag	107	55363.1	0.7	4.4422	0.066	1.5	ug/L	366	Standard
⌈	Cd	111	26662.1	0.8	**10.0106**	0.075	0.7	ug/L	249	Standard
⌊	Cd	114	68151.2	0.5	**9.7732**	0.116	1.2	ug/L	8	Standard
⌊>	In	115	404115.4	0.9				ug/L	414508	Standard
⌈	Ba	135	69785.7	1.3	**27.0840**	0.433	1.6	ug/L	23	Standard
⌊	Ba	137	120260.8	0.7	**27.2282**	0.444	1.6	ug/L	33	Standard
⌈>	Tb	159	472230.2	1.2				ug/L	457622	Standard
|	Ho	165	506736.2	0.4				ug/L	489924	Standard
⌈	Pb	208	3138132.0	0.9	**62.9683**	0.682	1.1	ug/L	453	Standard
|	Bi	209	377183.8	0.9				ug/L	380338	Standard
⌊	Th	232	518306.5	1.0				ug/L	490288	Standard
⌈	Cr-1	52	19256.3	2.1	**22.6988**	0.123	0.5	ug/L	159	KED
⌊	Cr-1	53	2366.2	0.7	**22.4785**	0.432	1.9	ug/L	19	KED
⌈	Ni-1	58	24989.6	2.8	**22.2563**	0.314	1.4	ug/L	9	KED
|	Ni-1	60	10527.9	0.9	**21.1299**	0.241	1.1	ug/L	2	KED
⌊	Ni-1	62	1640.1	4.4	**21.2754**	1.220	5.7	ug/L	1	KED
⌈	Cu-1	63	30636.2	1.3	**22.5929**	0.062	0.3	ug/L	25	KED
⌊	Cu-1	65	15092.6	0.8	**22.7059**	0.158	0.7	ug/L	9	KED
⌈	Zn-1	66	3422.7	2.1	**41.2384**	0.498	1.2	ug/L	13	KED
|	Zn-1	67	556.3	6.2	**40.3778**	2.101	5.2	ug/L	1	KED
⌊	Zn-1	68	2551.2	2.5	**39.6744**	1.501	3.8	ug/L	11	KED
⌈>	Ge-1	72	7147.8	1.5				ug/L	5623	KED
⌈	As-2	75	985.7	5.7	**20.7302**	1.241	6.0	ug/L	1	KED
⌊	Se-1	78	45.3	2.5	**20.0233**	0.560	2.8	ug/L	1	KED
	Y-1	89	10945.2	0.2				ug/L	8035	KED
	Rh-1	103	78061.7	0.9				ug/L	66803	KED
⌈	Cd-1	111	1518.1	2.5	**9.1431**	0.104	1.1	ug/L	4	KED

	Cd-1	114	3861.4	0.3	**9.3297**	0.341	3.7	ug/L	3 KED
>	In-1	115	6621.9	3.4				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		132.628
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		124.871
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		119.907
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		97.493
	Ba	135		
	Ba	137		
>	Tb	159		103.192
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		127.107
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		138.591

Quantitative Analysis - Summary Report

Sample ID: 04-330-02aMSD 100X

Sample Date/Time: Friday, May 05, 2023 12:15:44
Report Date/Time: Friday, May 05, 2023 12:27:30
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-02aMSD 100X.045

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	349490.7	1.9				ug/L	264715	Standard
	Cr	52	234375.0	2.9	21.6393	0.221	1.0	ug/L	5820	Standard
	Cr	53	28457.7	2.1	23.1646	0.265	1.1	ug/L	292	Standard
	Ni	58	118961.3	3.5	22.5992	0.580	2.6	ug/L	-965	Standard
	Ni	60	46402.9	2.1	22.2469	0.391	1.8	ug/L	18	Standard
	Ni	62	6708.6	1.4	22.0012	0.380	1.7	ug/L	37	Standard
	Cu	63	131192.8	1.8	28.5887	0.351	1.2	ug/L	79	Standard
	Cu	65	62793.8	3.0	28.4500	0.040	0.1	ug/L	33	Standard
	Zn	66	49599.0	2.0	43.6332	0.419	1.0	ug/L	138	Standard
	Zn	67	7687.1	2.4	40.3787	0.703	1.7	ug/L	17	Standard
	Zn	68	34437.8	1.9	42.6583	0.437	1.0	ug/L	124	Standard
>	Ge	72	201797.8	3.0				ug/L	161704	Standard
	As	75	23701.1	3.5	21.7695	0.187	0.9	ug/L	1933	Standard
	As-1	75	22933.4	4.0	21.6553	0.277	1.3	ug/L	2	Standard
	Se	77	1665.1	2.2	22.0429	0.771	3.5	ug/L	40	Standard
	Se	78	7805.8	2.8	19.6956	0.347	1.8	ug/L	2324	Standard
	Br	79	20559.5	0.9				ug/L	86	Standard
	Se	82	2725.6	4.2	19.8533	0.246	1.2	ug/L	38	Standard
	Kr	83	49.3	13.5				ug/L	43	Standard
	Y	89	481007.3	0.6				ug/L	371443	Standard
>	Rh	103	434111.9	1.8				ug/L	360413	Standard
	Ag	107	55154.6	1.8	4.4054	0.081	1.8	ug/L	366	Standard
	Cd	111	25773.3	3.4	9.8788	0.332	3.4	ug/L	249	Standard
	Cd	114	66442.3	1.7	9.7279	0.172	1.8	ug/L	8	Standard
>	In	115	395790.4	0.2				ug/L	414508	Standard
	Ba	135	66664.2	2.6	26.2191	0.345	1.3	ug/L	23	Standard
	Ba	137	114529.7	1.6	26.2796	0.232	0.9	ug/L	33	Standard
>	Tb	159	465897.0	1.3				ug/L	457622	Standard
	Ho	165	502851.0	2.2				ug/L	489924	Standard
	Pb	208	2834121.2	0.2	57.6421	0.630	1.1	ug/L	453	Standard
	Bi	209	373708.4	0.8				ug/L	380338	Standard
	Th	232	515655.6	0.3				ug/L	490288	Standard
	Cr-1	52	18711.2	0.9	22.4397	0.457	2.0	ug/L	159	KED
	Cr-1	53	2310.5	1.4	22.3255	0.388	1.7	ug/L	19	KED
	Ni-1	58	24225.6	2.1	21.9652	1.021	4.6	ug/L	9	KED
	Ni-1	60	10418.1	0.5	21.2736	0.472	2.2	ug/L	2	KED
	Ni-1	62	1625.1	4.5	21.4466	1.298	6.1	ug/L	1	KED
	Cu-1	63	35909.1	1.0	26.9489	0.654	2.4	ug/L	25	KED
	Cu-1	65	17471.7	0.2	26.7497	0.776	2.9	ug/L	9	KED
	Zn-1	66	3533.4	1.9	43.3187	0.587	1.4	ug/L	13	KED
	Zn-1	67	567.7	0.4	41.9446	1.236	2.9	ug/L	1	KED
	Zn-1	68	2671.2	1.9	42.2798	1.766	4.2	ug/L	11	KED
>	Ge-1	72	7027.7	2.8				ug/L	5623	KED
	As-2	75	984.0	2.7	21.0632	1.059	5.0	ug/L	1	KED
	Se-1	78	41.7	14.7	18.6681	2.709	14.5	ug/L	1	KED
	Y-1	89	10986.2	0.8				ug/L	8035	KED
	Rh-1	103	77648.5	1.7				ug/L	66803	KED
	Cd-1	111	1481.7	2.4	9.0990	0.299	3.3	ug/L	4	KED

Cd-1	114	3758.7	2.1	**9.2525**	0.204	2.2	ug/L	3	KED
In-1	115	6494.9	1.7				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		132.025
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		124.795
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		120.449
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		95.484
	Ba	135		
	Ba	137		
>	Tb	159		101.808
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		124.972
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		135.932

Quantitative Analysis - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Friday, May 05, 2023 12:21:21
Report Date/Time: Friday, May 05, 2023 12:27:33
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\QC Std 6.046

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	353103.0	0.6				ug/L	264715	Standard
	Cr	52	413007.2	1.9	38.2901	0.544	1.4	ug/L	5820	Standard
	Cr	53	47452.0	2.3	38.4349	0.714	1.9	ug/L	292	Standard
	Ni	58	222144.9	2.0	40.6972	0.494	1.2	ug/L	-965	Standard
	Ni	60	87848.4	2.4	40.8040	0.859	2.1	ug/L	18	Standard
	Ni	62	12640.3	2.2	40.2817	1.126	2.8	ug/L	37	Standard
	Cu	63	193310.3	1.5	40.8135	0.539	1.3	ug/L	79	Standard
	Cu	65	93126.3	2.0	40.8842	0.323	0.8	ug/L	33	Standard
	Zn	66	46598.6	2.4	39.6932	0.654	1.6	ug/L	138	Standard
	Zn	67	7844.5	2.4	39.9166	1.108	2.8	ug/L	17	Standard
	Zn	68	33081.3	2.3	39.6769	0.470	1.2	ug/L	124	Standard
>	Ge	72	208329.1	2.7				ug/L	161704	Standard
	As	75	42547.3	1.7	39.6893	0.518	1.3	ug/L	1933	Standard
	As-1	75	43819.1	1.3	40.1013	0.785	2.0	ug/L	2	Standard
	Se	77	3176.0	2.0	41.2977	1.177	2.8	ug/L	40	Standard
	Se	78	13430.0	2.4	40.5860	0.199	0.5	ug/L	2324	Standard
	Br	79	1025.4	11.4				ug/L	86	Standard
	Se	82	5867.5	1.2	41.8114	1.235	3.0	ug/L	38	Standard
	Kr	83	47.7	23.1				ug/L	43	Standard
	Y	89	479094.4	0.8				ug/L	371443	Standard
>	Rh	103	456695.2	1.2				ug/L	360413	Standard
	Ag	107	503091.4	2.1	38.4678	0.873	2.3	ug/L	366	Standard
	Cd	111	109172.8	0.8	40.4925	0.555	1.4	ug/L	249	Standard
	Cd	114	284874.4	0.6	40.0810	0.407	1.0	ug/L	8	Standard
>	In	115	411920.0	0.8				ug/L	414508	Standard
	Ba	135	104695.9	1.2	39.8078	0.278	0.7	ug/L	23	Standard
	Ba	137	180237.6	1.0	39.9776	0.377	0.9	ug/L	33	Standard
>	Tb	159	482028.4	0.9				ug/L	457622	Standard
	Ho	165	520036.6	0.9				ug/L	489924	Standard
	Pb	208	1952140.7	1.0	38.3684	0.184	0.5	ug/L	453	Standard
	Bi	209	389947.2	0.7				ug/L	380338	Standard
	Th	232	522369.8	0.5				ug/L	490288	Standard
	Cr-1	52	33037.8	0.6	38.7780	0.196	0.5	ug/L	159	KED
	Cr-1	53	4006.2	2.0	37.8767	0.735	1.9	ug/L	19	KED
	Ni-1	58	43609.8	1.7	38.5153	0.645	1.7	ug/L	9	KED
	Ni-1	60	19101.8	1.5	38.0073	0.519	1.4	ug/L	2	KED
	Ni-1	62	2988.3	1.4	38.4261	0.511	1.3	ug/L	1	KED
	Cu-1	63	51927.6	1.5	37.9779	0.520	1.4	ug/L	25	KED
	Cu-1	65	25558.8	1.8	38.1284	0.671	1.8	ug/L	9	KED
	Zn-1	66	3286.4	3.0	39.2436	1.164	3.0	ug/L	13	KED
	Zn-1	67	518.3	6.9	37.2983	2.604	7.0	ug/L	1	KED
	Zn-1	68	2543.6	3.5	39.1960	1.357	3.5	ug/L	11	KED
>	Ge-1	72	7210.2	0.1				ug/L	5623	KED
	As-2	75	1869.8	1.6	38.9921	0.607	1.6	ug/L	1	KED
	Se-1	78	100.3	7.0	44.6160	3.118	7.0	ug/L	1	KED
	Y-1	89	10665.0	2.0				ug/L	8035	KED
	Rh-1	103	79647.7	0.3				ug/L	66803	KED
	Cd-1	111	6363.8	0.7	38.1700	0.465	1.2	ug/L	4	KED

Cd-1	114	16071.5	1.1	**38.5690**	0.347	0.9	ug/L	3	KED
In-1	115	6667.0	1.5				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		133.390
	Cr	52	95.725	
	Cr	53	96.087	
	Ni	58	101.743	
	Ni	60	102.010	
	Ni	62	100.704	
	Cu	63	102.034	
	Cu	65	102.210	
	Zn	66	99.233	
	Zn	67	99.792	
	Zn	68	99.192	
>	Ge	72		128.834
	As	75	99.223	
	As-1	75	100.253	
	Se	77	103.244	
	Se	78	101.465	
	Br	79		
	Se	82	104.528	
	Kr	83		
	Y	89		
>	Rh	103		126.715
	Ag	107	96.170	
	Cd	111	101.231	
	Cd	114	100.203	
>	In	115		99.376
	Ba	135	99.519	
	Ba	137	99.944	
>	Tb	159		105.333
	Ho	165		
	Pb	208	95.921	
	Bi	209		
	Th	232		
	Cr-1	52	96.945	
	Cr-1	53	94.692	
	Ni-1	58	96.288	
	Ni-1	60	95.018	
	Ni-1	62	96.065	
	Cu-1	63	94.945	
	Cu-1	65	95.321	
	Zn-1	66	98.109	
	Zn-1	67	93.246	
	Zn-1	68	97.990	
>	Ge-1	72		128.216
	As-2	75	97.480	
	Se-1	78	111.540	
	Y-1	89		
	Rh-1	103		
	Cd-1	111	95.425	
	Cd-1	114	96.423	
>	In-1	115		139.534

Quantitative Analysis - Summary Report

Sample ID: QC Std 8

Sample Date/Time: Friday, May 05, 2023 12:29:31
Report Date/Time: Friday, May 05, 2023 12:32:46
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\QC Std 8.047

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	354448.8	2.3				ug/L	264715	Standard
	Cr	52	7110.4	2.6	-0.0642	0.005	7.9	ug/L	5820	Standard
	Cr	53	606.7	5.5	0.1753	0.016	8.9	ug/L	292	Standard
	Ni	58	-1101.7	8.9	0.0243	0.021	84.4	ug/L	-965	Standard
	Ni	60	25.7	18.4	0.0010	0.002	180.8	ug/L	18	Standard
	Ni	62	58.3	16.3	0.0345	0.023	67.4	ug/L	37	Standard
	Cu	63	113.3	5.7	0.0025	0.001	32.6	ug/L	79	Standard
	Cu	65	64.3	11.8	0.0097	0.002	22.7	ug/L	33	Standard
	Zn	66	172.7	5.6	-0.0035	0.007	211.2	ug/L	138	Standard
	Zn	67	33.3	29.1	0.0562	0.044	77.6	ug/L	17	Standard
	Zn	68	180.0	4.3	0.0257	0.011	42.8	ug/L	124	Standard
>	Ge	72	207191.5	4.0				ug/L	161704	Standard
	As	75	2528.6	1.8	0.0537	0.054	100.5	ug/L	1933	Standard
	As-1	75	48.1	49.1	0.0417	0.020	47.2	ug/L	2	Standard
	Se	77	57.3	8.8	0.0806	0.055	68.2	ug/L	40	Standard
	Se	78	3012.7	1.2	0.1450	0.370	254.9	ug/L	2324	Standard
	Br	79	557.3	8.6				ug/L	86	Standard
	Se	82	59.3	5.4	0.0773	0.029	38.0	ug/L	38	Standard
	Kr	83	43.7	14.9				ug/L	43	Standard
	Y	89	463847.3	1.4				ug/L	371443	Standard
>	Rh	103	448161.8	2.1				ug/L	360413	Standard
	Ag	107	1202.4	10.1	0.0582	0.008	13.0	ug/L	366	Standard
	Cd	111	306.6	2.4	0.0238	0.004	15.6	ug/L	249	Standard
	Cd	114	8.5	43.6	0.0001	0.001	571.4	ug/L	8	Standard
>	In	115	405655.6	1.6				ug/L	414508	Standard
	Ba	135	26.3	17.5	0.0008	0.002	211.0	ug/L	23	Standard
	Ba	137	35.3	22.9	0.0003	0.002	518.9	ug/L	33	Standard
>	Tb	159	473467.8	1.1				ug/L	457622	Standard
	Ho	165	508874.2	0.9				ug/L	489924	Standard
	Pb	208	675.3	3.9	0.0041	0.001	15.0	ug/L	453	Standard
	Bi	209	379120.5	0.6				ug/L	380338	Standard
	Th	232	511896.8	0.9				ug/L	490288	Standard
	Cr-1	52	171.0	8.8	-0.0346	0.020	57.6	ug/L	159	KED
	Cr-1	53	17.3	39.3	-0.0600	0.064	106.3	ug/L	19	KED
	Ni-1	58	17.0	22.1	0.0056	0.004	62.5	ug/L	9	KED
	Ni-1	60	6.7	22.9	0.0076	0.003	42.9	ug/L	2	KED
	Ni-1	62	1.0	100.0	-0.0088	0.013	148.5	ug/L	1	KED
	Cu-1	63	29.7	11.8	-0.0016	0.003	181.9	ug/L	25	KED
	Cu-1	65	17.0	17.6	0.0080	0.004	55.1	ug/L	9	KED
	Zn-1	66	19.0	50.8	0.0283	0.122	429.0	ug/L	13	KED
	Zn-1	67	3.0	33.3	0.0979	0.076	77.5	ug/L	1	KED
	Zn-1	68	12.0	33.3	-0.0283	0.066	232.5	ug/L	11	KED
>	Ge-1	72	7068.4	1.3				ug/L	5623	KED
	As-2	75	2.7	57.3	0.0391	0.033	84.5	ug/L	1	KED
	Se-1	78	1.0	173.2	-0.1236	0.786	636.0	ug/L	1	KED
	Y-1	89	10749.7	1.6				ug/L	8035	KED
	Rh-1	103	79049.1	1.3				ug/L	66803	KED
	Cd-1	111	1.7	124.9	-0.0238	0.012	50.4	ug/L	4	KED

	Cd-1	114	3.0	94.7	-0.0023	0.007	289.3	ug/L	3 KED
>	In-1	115	6787.8	1.7				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		133.898
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		128.130
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		124.347
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		97.864
	Ba	135		
	Ba	137		
>	Tb	159		103.463
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		125.696
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		142.062

Quantitative Analysis - Summary Report

Sample ID: 04-330-02aPS 50X

Sample Date/Time: Friday, May 05, 2023 12:35:08
Report Date/Time: Friday, May 05, 2023 12:38:23
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-02aPS 50X.048

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	355275.9	1.6				ug/L	264715	Standard
	Cr	52	482615.3	1.6	**44.5919**	0.401	0.9	ug/L	5820	Standard
	Cr	53	59975.4	2.6	**48.3659**	1.015	2.1	ug/L	292	Standard
	Ni	58	252894.5	4.5	**49.1255**	1.429	2.9	ug/L	-965	Standard
	Ni	60	98015.6	2.5	**48.3288**	0.302	0.6	ug/L	18	Standard
	Ni	62	14415.9	3.8	**48.7834**	0.918	1.9	ug/L	37	Standard
	Cu	63	305473.6	2.3	**68.4759**	0.304	0.4	ug/L	79	Standard
	Cu	65	145285.5	3.0	**67.7189**	0.835	1.2	ug/L	33	Standard
	Zn	66	100556.4	2.1	**91.1305**	0.662	0.7	ug/L	138	Standard
	Zn	67	16270.3	3.2	**88.0059**	1.330	1.5	ug/L	17	Standard
	Zn	68	69240.7	1.4	**88.4084**	0.511	0.6	ug/L	124	Standard
>	Ge	72	196204.5	1.9				ug/L	161704	Standard
	As	75	45576.3	1.3	**45.4753**	0.355	0.8	ug/L	1933	Standard
	As-1	75	46320.0	0.9	**45.0037**	0.718	1.6	ug/L	2	Standard
	Se	77	3380.4	1.9	**46.7446**	0.527	1.1	ug/L	40	Standard
	Se	78	13076.7	2.9	**42.3455**	0.672	1.6	ug/L	2324	Standard
	Br	79	24024.9	1.4				ug/L	86	Standard
	Se	82	5488.4	2.5	**41.5158**	1.391	3.4	ug/L	38	Standard
	Kr	83	45.0	19.8				ug/L	43	Standard
	Y	89	482130.9	1.9				ug/L	371443	Standard
>	Rh	103	418845.8	2.1				ug/L	360413	Standard
	Ag	107	440897.7	1.5	**36.7582**	0.404	1.1	ug/L	366	Standard
	Cd	111	105996.0	0.9	**41.5480**	0.552	1.3	ug/L	249	Standard
	Cd	114	274406.5	1.2	**40.7995**	0.536	1.3	ug/L	8	Standard
>	In	115	389791.8	0.8				ug/L	414508	Standard
	Ba	135	134797.7	1.2	**53.9219**	0.619	1.1	ug/L	23	Standard
	Ba	137	231772.4	0.8	**54.0832**	0.412	0.8	ug/L	33	Standard
>	Tb	159	458219.4	1.1				ug/L	457622	Standard
	Ho	165	492261.4	1.8				ug/L	489924	Standard
	Pb	208	2999529.8	0.5	**62.0267**	0.461	0.7	ug/L	453	Standard
	Bi	209	360551.2	1.1				ug/L	380338	Standard
	Th	232	508178.4	0.4				ug/L	490288	Standard
	Cr-1	52	39494.5	0.4	**48.0163**	0.571	1.2	ug/L	159	KED
	Cr-1	53	4763.8	1.8	**46.6445**	0.571	1.2	ug/L	19	KED
	Ni-1	58	51095.9	1.2	**46.6873**	0.517	1.1	ug/L	9	KED
	Ni-1	60	21788.6	1.3	**44.8563**	0.946	2.1	ug/L	2	KED
	Ni-1	62	3401.4	0.1	**45.2538**	0.432	1.0	ug/L	1	KED
	Cu-1	63	82471.4	1.2	**62.4140**	0.581	0.9	ug/L	25	KED
	Cu-1	65	40561.8	0.7	**62.6104**	0.319	0.5	ug/L	9	KED
	Zn-1	66	7250.8	2.0	**89.8327**	1.355	1.5	ug/L	13	KED
	Zn-1	67	1187.7	5.0	**88.5611**	3.816	4.3	ug/L	1	KED
	Zn-1	68	5515.4	3.2	**88.1885**	2.208	2.5	ug/L	11	KED
>	Ge-1	72	6969.7	1.0				ug/L	5623	KED
	As-2	75	2049.5	1.6	**44.2164**	0.545	1.2	ug/L	1	KED
	Se-1	78	95.3	12.8	**43.8257**	5.414	12.4	ug/L	1	KED
	Y-1	89	11577.7	1.5				ug/L	8035	KED
	Rh-1	103	75661.5	0.6				ug/L	66803	KED
	Cd-1	111	6321.7	1.4	**38.7885**	0.683	1.8	ug/L	4	KED

	Cd-1	114	15857.7	0.9	**38.9295**	0.351	0.9	ug/L	3 KED
>	**In-1**	115	6517.0	0.4				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		134.211
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		121.336
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		116.213
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		94.037
	Ba	135		
	Ba	137		
>	Tb	159		100.131
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		123.940
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		136.395

Quantitative Analysis - Summary Report

Sample ID: 04-330-01a 50X

Sample Date/Time: Friday, May 05, 2023 12:43:54
Report Date/Time: Friday, May 05, 2023 12:47:08
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-01a 50X.050

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	351932.5	2.9				ug/L	264715	Standard
	Cr	52	42015.7	3.3	3.2500	0.083	2.5	ug/L	5820	Standard
	Cr	53	7952.9	2.9	6.1994	0.118	1.9	ug/L	292	Standard
	Ni	58	15065.1	6.2	3.2185	0.113	3.5	ug/L	-965	Standard
	Ni	60	9371.4	4.6	4.7365	0.096	2.0	ug/L	18	Standard
	Ni	62	923.0	4.0	3.0668	0.036	1.2	ug/L	37	Standard
	Cu	63	44982.4	3.4	10.3410	0.053	0.5	ug/L	79	Standard
	Cu	65	21645.4	2.7	10.3519	0.069	0.7	ug/L	33	Standard
	Zn	66	31670.1	2.0	29.3910	0.294	1.0	ug/L	138	Standard
	Zn	67	4889.5	2.8	27.0982	0.195	0.7	ug/L	17	Standard
	Zn	68	21777.3	2.1	28.4405	0.292	1.0	ug/L	124	Standard
>	Ge	72	190970.7	2.9				ug/L	161704	Standard
	As	75	4984.6	3.0	2.9207	0.095	3.3	ug/L	1933	Standard
	As-1	75	2677.0	5.7	2.6684	0.072	2.7	ug/L	2	Standard
	Se	77	490.7	3.4	6.3921	0.164	2.6	ug/L	40	Standard
	Se	78	2986.6	2.7	1.0357	0.601	58.1	ug/L	2324	Standard
	Br	79	18618.5	2.3				ug/L	86	Standard
	Se	82	127.7	7.8	0.6491	0.083	12.7	ug/L	38	Standard
	Kr	83	46.7	5.4				ug/L	43	Standard
	Y	89	454116.1	1.9				ug/L	371443	Standard
>	Rh	103	396528.7	2.0				ug/L	360413	Standard
	Ag	107	1343.7	8.6	0.0828	0.008	9.5	ug/L	366	Standard
	Cd	111	708.3	3.3	0.1934	0.010	5.2	ug/L	249	Standard
	Cd	114	768.8	3.3	0.1161	0.005	4.1	ug/L	8	Standard
>	In	115	380120.1	1.3				ug/L	414508	Standard
	Ba	135	23466.3	0.6	9.5610	0.036	0.4	ug/L	23	Standard
	Ba	137	40363.9	1.3	9.5946	0.083	0.9	ug/L	33	Standard
>	Tb	159	449501.4	0.6				ug/L	457622	Standard
	Ho	165	482513.7	0.2				ug/L	489924	Standard
	Pb	208	255072.2	0.7	5.3680	0.007	0.1	ug/L	453	Standard
	Bi	209	334021.2	1.2				ug/L	380338	Standard
	Th	232	493137.1	1.2				ug/L	490288	Standard
	Cr-1	52	2994.6	3.2	3.4994	0.132	3.8	ug/L	159	KED
	Cr-1	53	369.7	3.8	3.4907	0.154	4.4	ug/L	19	KED
	Ni-1	58	3311.8	1.5	3.0839	0.046	1.5	ug/L	9	KED
	Ni-1	60	1131.0	3.3	2.3741	0.077	3.3	ug/L	2	KED
	Ni-1	62	174.7	5.2	2.3544	0.124	5.3	ug/L	1	KED
	Cu-1	63	11977.0	1.2	9.2447	0.112	1.2	ug/L	25	KED
	Cu-1	65	5935.6	1.2	9.3496	0.099	1.1	ug/L	9	KED
	Zn-1	66	2350.5	2.0	29.6294	0.523	1.8	ug/L	13	KED
	Zn-1	67	349.3	3.9	26.5464	1.125	4.2	ug/L	1	KED
	Zn-1	68	1758.8	1.7	28.5997	0.399	1.4	ug/L	11	KED
>	Ge-1	72	6818.6	0.4				ug/L	5623	KED
	As-2	75	130.7	3.9	2.8652	0.122	4.2	ug/L	1	KED
	Se-1	78	3.0	33.3	0.8504	0.472	55.6	ug/L	1	KED
	Y-1	89	11186.4	0.3				ug/L	8035	KED
	Rh-1	103	73662.4	0.2				ug/L	66803	KED
	Cd-1	111	25.7	6.0	0.1274	0.009	6.9	ug/L	4	KED

	Cd-1	114	43.7	12.2	**0.1005**	0.016	15.6	ug/L	3	KED
>	In-1	115	6382.8	3.2				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		132.948
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		118.099
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		110.021
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		91.704
	Ba	135		
	Ba	137		
>	Tb	159		98.225
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		121.254
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		133.585

Quantitative Analysis - Summary Report

Sample ID: 04-330-03a 50X

Sample Date/Time: Friday, May 05, 2023 12:49:29
Report Date/Time: Friday, May 05, 2023 12:52:44
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-03a 50X.051

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	372737.2	3.2				ug/L	264715	Standard
	Cr	52	105911.5	1.5	8.7506	0.177	2.0	ug/L	5820	Standard
	Cr	53	15770.0	2.0	11.8875	0.256	2.2	ug/L	292	Standard
	Ni	58	42062.4	6.5	8.0111	0.406	5.1	ug/L	-965	Standard
	Ni	60	15134.4	2.9	7.1341	0.091	1.3	ug/L	18	Standard
	Ni	62	2508.6	4.0	8.0005	0.240	3.0	ug/L	37	Standard
	Cu	63	117405.9	1.9	25.1822	0.144	0.6	ug/L	79	Standard
	Cu	65	55930.7	2.5	24.9468	0.214	0.9	ug/L	33	Standard
	Zn	66	57576.5	2.5	49.8811	0.654	1.3	ug/L	138	Standard
	Zn	67	9053.9	2.1	46.8377	0.772	1.6	ug/L	17	Standard
	Zn	68	39655.3	1.6	48.3866	0.807	1.7	ug/L	124	Standard
>	Ge	72	204950.0	1.7				ug/L	161704	Standard
	As	75	7140.7	1.6	4.7244	0.100	2.1	ug/L	1933	Standard
	As-1	75	4681.4	2.9	4.3516	0.103	2.4	ug/L	2	Standard
	Se	77	414.3	5.4	4.8830	0.258	5.3	ug/L	40	Standard
	Se	78	3235.4	0.5	1.1465	0.155	13.5	ug/L	2324	Standard
	Br	79	26656.8	1.1				ug/L	86	Standard
	Se	82	156.7	9.3	0.7918	0.098	12.4	ug/L	38	Standard
	Kr	83	53.7	25.4				ug/L	43	Standard
	Y	89	502475.8	0.2				ug/L	371443	Standard
>	Rh	103	433204.7	1.4				ug/L	360413	Standard
	Ag	107	2415.9	0.5	0.1594	0.004	2.2	ug/L	366	Standard
	Cd	111	1305.1	1.6	0.4052	0.009	2.1	ug/L	249	Standard
	Cd	114	1887.3	5.0	0.2710	0.013	5.0	ug/L	8	Standard
>	In	115	401981.4	0.1				ug/L	414508	Standard
	Ba	135	32445.5	1.1	12.3645	0.245	2.0	ug/L	23	Standard
	Ba	137	56190.6	0.4	12.4923	0.193	1.5	ug/L	33	Standard
>	Tb	159	480761.6	1.3				ug/L	457622	Standard
	Ho	165	516488.5	0.8				ug/L	489924	Standard
	Pb	208	1044007.5	1.6	20.5704	0.345	1.7	ug/L	453	Standard
	Bi	209	365824.1	1.5				ug/L	380338	Standard
	Th	232	518568.5	1.5				ug/L	490288	Standard
	Cr-1	52	8293.4	0.7	9.7627	0.075	0.8	ug/L	159	KED
	Cr-1	53	1067.0	3.3	10.1404	0.454	4.5	ug/L	19	KED
	Ni-1	58	9137.0	1.0	8.2337	0.051	0.6	ug/L	9	KED
	Ni-1	60	3283.7	1.4	6.6682	0.109	1.6	ug/L	2	KED
	Ni-1	62	542.0	5.0	7.1024	0.414	5.8	ug/L	1	KED
	Cu-1	63	31852.1	0.6	23.7844	0.349	1.5	ug/L	25	KED
	Cu-1	65	15187.4	0.2	23.1327	0.235	1.0	ug/L	9	KED
	Zn-1	66	4152.9	0.8	50.7092	0.641	1.3	ug/L	13	KED
	Zn-1	67	660.3	1.0	48.5649	0.673	1.4	ug/L	1	KED
	Zn-1	68	3030.7	0.8	47.7467	0.646	1.4	ug/L	11	KED
>	Ge-1	72	7060.1	1.1				ug/L	5623	KED
	As-2	75	207.3	8.2	4.4027	0.412	9.4	ug/L	1	KED
	Se-1	78	3.3	96.4	0.9554	1.473	154.2	ug/L	1	KED
	Y-1	89	12069.8	3.3				ug/L	8035	KED
	Rh-1	103	79128.2	0.8				ug/L	66803	KED
	Cd-1	111	53.3	15.7	0.2825	0.056	19.9	ug/L	4	KED

	Cd-1	114	115.8	11.0	**0.2642**	0.027	10.1	ug/L	3 KED
>	**In-1**	115	6768.9	1.9				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		140.807
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		126.744
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		120.197
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		96.978
	Ba	135		
	Ba	137		
>	Tb	159		105.056
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		125.547
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		141.666

Quantitative Analysis - Summary Report

Sample ID: 04-330-04a 50X

Sample Date/Time: Friday, May 05, 2023 12:55:04
Report Date/Time: Friday, May 05, 2023 12:58:19
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-04a 50X.052

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	337028.5	1.5				ug/L	264715	Standard
	Cr	52	39005.2	1.2	3.1287	0.088	2.8	ug/L	5820	Standard
	Cr	53	7821.8	0.9	6.3762	0.143	2.2	ug/L	292	Standard
	Ni	58	10934.2	7.5	2.4549	0.121	4.9	ug/L	-965	Standard
	Ni	60	10002.5	4.0	5.1903	0.094	1.8	ug/L	18	Standard
	Ni	62	749.4	5.0	2.5299	0.090	3.6	ug/L	37	Standard
	Cu	63	49360.8	2.0	11.6519	0.106	0.9	ug/L	79	Standard
	Cu	65	23969.8	1.4	11.7698	0.120	1.0	ug/L	33	Standard
	Zn	66	28597.3	2.3	27.2246	0.190	0.7	ug/L	138	Standard
	Zn	67	4414.3	2.7	25.1063	0.697	2.8	ug/L	17	Standard
	Zn	68	19684.6	1.7	26.3719	0.377	1.4	ug/L	124	Standard
>	Ge	72	186057.9	2.4				ug/L	161704	Standard
	As	75	4361.5	2.9	2.3723	0.148	6.2	ug/L	1933	Standard
	As-1	75	2123.5	3.1	2.1738	0.070	3.2	ug/L	2	Standard
	Se	77	564.3	3.0	7.6751	0.441	5.8	ug/L	40	Standard
	Se	78	2906.3	2.0	1.0116	0.116	11.5	ug/L	2324	Standard
	Br	79	20255.0	0.7				ug/L	86	Standard
	Se	82	127.7	16.1	0.6741	0.155	23.0	ug/L	38	Standard
	Kr	83	52.0	6.9				ug/L	43	Standard
	Y	89	454109.2	4.0				ug/L	371443	Standard
>	Rh	103	396469.5	2.9				ug/L	360413	Standard
	Ag	107	955.0	2.7	0.0488	0.005	9.4	ug/L	366	Standard
	Cd	111	701.9	6.6	0.2002	0.017	8.6	ug/L	249	Standard
	Cd	114	753.3	3.8	0.1176	0.005	4.5	ug/L	8	Standard
>	In	115	367857.7	0.7				ug/L	414508	Standard
	Ba	135	22195.6	1.5	9.1737	0.099	1.1	ug/L	23	Standard
	Ba	137	38028.9	0.9	9.1707	0.117	1.3	ug/L	33	Standard
>	Tb	159	443081.1	0.5				ug/L	457622	Standard
	Ho	165	478981.4	1.4				ug/L	489924	Standard
	Pb	208	357926.6	0.2	7.6459	0.049	0.6	ug/L	453	Standard
	Bi	209	324060.4	0.5				ug/L	380338	Standard
	Th	232	477461.2	1.9				ug/L	490288	Standard
	Cr-1	52	2652.2	0.8	3.1968	0.049	1.5	ug/L	159	KED
	Cr-1	53	333.3	2.8	3.2525	0.142	4.4	ug/L	19	KED
	Ni-1	58	2461.2	0.9	2.3764	0.048	2.0	ug/L	9	KED
	Ni-1	60	890.0	6.4	1.9390	0.151	7.8	ug/L	2	KED
	Ni-1	62	133.3	6.8	1.8611	0.141	7.6	ug/L	1	KED
	Cu-1	63	13431.6	1.2	10.7641	0.235	2.2	ug/L	25	KED
	Cu-1	65	6575.8	2.9	10.7556	0.453	4.2	ug/L	9	KED
	Zn-1	66	2113.8	3.0	27.6377	0.737	2.7	ug/L	13	KED
	Zn-1	67	301.3	4.3	23.7596	1.355	5.7	ug/L	1	KED
	Zn-1	68	1590.1	0.9	26.8219	0.394	1.5	ug/L	11	KED
>	Ge-1	72	6570.8	1.4				ug/L	5623	KED
	As-2	75	83.3	4.8	1.8908	0.113	6.0	ug/L	1	KED
	Se-1	78	3.7	15.7	1.2376	0.308	24.9	ug/L	1	KED
	Y-1	89	10764.7	0.8				ug/L	8035	KED
	Rh-1	103	71173.2	0.3				ug/L	66803	KED
	Cd-1	111	20.0	40.9	0.0928	0.052	56.1	ug/L	4	KED

Cd-1	114	44.0	2.8	0.1017	0.002	2.3	ug/L	3	KED
In-1	115	6338.4	1.3				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		127.318
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		115.061
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		110.004
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		88.746
	Ba	135		
	Ba	137		
>	Tb	159		96.822
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		116.847
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		132.656

Quantitative Analysis - Summary Report

Sample ID: 04-330-05a 50X

Sample Date/Time: Friday, May 05, 2023 13:00:39
Report Date/Time: Friday, May 05, 2023 13:03:54
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-05a 50X.053

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	326062.9	2.2				ug/L	264715	Standard
	Cr	52	23105.3	2.1	1.6309	0.026	1.6	ug/L	5820	Standard
	Cr	53	5592.1	3.5	4.6269	0.067	1.5	ug/L	292	Standard
	Ni	58	7318.5	10.2	1.7520	0.114	6.5	ug/L	-965	Standard
	Ni	60	7447.9	2.5	3.9543	0.089	2.2	ug/L	18	Standard
	Ni	62	459.3	2.1	1.5312	0.038	2.5	ug/L	37	Standard
	Cu	63	36237.6	2.8	8.7481	0.072	0.8	ug/L	79	Standard
	Cu	65	17678.6	4.3	8.8754	0.147	1.7	ug/L	33	Standard
	Zn	66	17282.8	2.5	16.7804	0.117	0.7	ug/L	138	Standard
	Zn	67	2652.2	4.3	15.3881	0.397	2.6	ug/L	17	Standard
	Zn	68	11932.6	2.2	16.2877	0.273	1.7	ug/L	124	Standard
>	Ge	72	181808.9	2.9				ug/L	161704	Standard
	As	75	3971.6	3.6	2.0441	0.204	10.0	ug/L	1933	Standard
	As-1	75	1720.9	9.6	1.8034	0.187	10.4	ug/L	2	Standard
	Se	77	510.3	0.5	7.0497	0.217	3.1	ug/L	40	Standard
	Se	78	2908.3	0.5	1.3210	0.305	23.1	ug/L	2324	Standard
	Br	79	24168.8	0.5				ug/L	86	Standard
	Se	82	122.7	8.4	0.6594	0.102	15.5	ug/L	38	Standard
	Kr	83	52.3	1.1				ug/L	43	Standard
	Y	89	423254.2	2.7				ug/L	371443	Standard
>	Rh	103	375534.9	2.7				ug/L	360413	Standard
	Ag	107	526.7	6.4	0.0135	0.003	19.9	ug/L	366	Standard
	Cd	111	600.3	5.7	0.1660	0.014	8.4	ug/L	249	Standard
	Cd	114	569.9	2.7	0.0916	0.003	2.9	ug/L	8	Standard
>	In	115	356288.8	0.3				ug/L	414508	Standard
	Ba	135	15635.9	1.2	6.7217	0.030	0.4	ug/L	23	Standard
	Ba	137	26662.5	0.9	6.6878	0.048	0.7	ug/L	33	Standard
>	Tb	159	425838.2	0.8				ug/L	457622	Standard
	Ho	165	464485.4	0.9				ug/L	489924	Standard
	Pb	208	123443.3	0.4	2.7378	0.030	1.1	ug/L	453	Standard
	Bi	209	316580.2	0.8				ug/L	380338	Standard
	Th	232	467821.8	0.7				ug/L	490288	Standard
	Cr-1	52	1460.1	2.5	1.7065	0.077	4.5	ug/L	159	KED
	Cr-1	53	172.0	8.0	1.6180	0.124	7.7	ug/L	19	KED
	Ni-1	58	1756.5	3.4	1.7425	0.082	4.7	ug/L	9	KED
	Ni-1	60	525.0	3.3	1.1739	0.054	4.6	ug/L	2	KED
	Ni-1	62	81.0	16.1	1.1543	0.188	16.3	ug/L	1	KED
	Cu-1	63	9894.4	1.2	8.1506	0.110	1.4	ug/L	25	KED
	Cu-1	65	4835.8	1.1	8.1294	0.027	0.3	ug/L	9	KED
	Zn-1	66	1291.7	0.4	17.2996	0.215	1.2	ug/L	13	KED
	Zn-1	67	203.7	4.7	16.4816	0.987	6.0	ug/L	1	KED
	Zn-1	68	929.4	2.5	16.0436	0.630	3.9	ug/L	11	KED
>	Ge-1	72	6387.4	1.4				ug/L	5623	KED
	As-2	75	66.7	21.8	1.5493	0.321	20.7	ug/L	1	KED
	Se-1	78	2.7	43.3	0.7772	0.582	74.8	ug/L	1	KED
	Y-1	89	10436.5	1.9				ug/L	8035	KED
	Rh-1	103	69452.8	0.6				ug/L	66803	KED
	Cd-1	111	17.0	20.4	0.0784	0.022	28.2	ug/L	4	KED

	Cd-1	114	29.7	16.4	**0.0687**	0.012	17.7	ug/L	3 KED
>	**In-1**	115	6072.8	2.3				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		123.175
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		112.433
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		104.196
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		85.955
	Ba	135		
	Ba	137		
>	Tb	159		93.055
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		113.586
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		127.098

Quantitative Analysis - Summary Report

Sample ID: 04-330-02a 25X

Sample Date/Time: Friday, May 05, 2023 13:07:14
Report Date/Time: Friday, May 05, 2023 13:10:28
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-02a 25X.054

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	385429.6	3.0				ug/L	264715	Standard
	Cr	52	179396.7	3.0	14.7963	0.058	0.4	ug/L	5820	Standard
	Cr	53	27643.4	1.7	20.3722	0.405	2.0	ug/L	292	Standard
	Ni	58	83265.9	8.4	16.0085	1.000	6.2	ug/L	-965	Standard
	Ni	60	29013.4	1.0	14.0292	0.309	2.2	ug/L	18	Standard
	Ni	62	4776.1	1.7	15.7580	0.385	2.4	ug/L	37	Standard
	Cu	63	246397.6	1.9	54.2009	2.019	3.7	ug/L	79	Standard
	Cu	65	116565.7	0.9	53.3096	1.075	2.0	ug/L	33	Standard
	Zn	66	110919.0	1.4	98.6289	1.638	1.7	ug/L	138	Standard
	Zn	67	17340.5	0.5	92.0585	2.776	3.0	ug/L	17	Standard
	Zn	68	76516.7	0.6	95.8739	2.541	2.7	ug/L	124	Standard
>	Ge	72	200058.2	2.9				ug/L	161704	Standard
	As	75	10853.2	2.0	8.7322	0.211	2.4	ug/L	1933	Standard
	As-1	75	8648.7	1.7	8.2405	0.167	2.0	ug/L	2	Standard
	Se	77	705.0	3.5	9.0185	0.128	1.4	ug/L	40	Standard
	Se	78	3196.0	2.3	1.3000	0.124	9.5	ug/L	2324	Standard
	Br	79	61784.0	0.2				ug/L	86	Standard
	Se	82	257.0	3.9	1.5714	0.086	5.5	ug/L	38	Standard
	Kr	83	59.3	15.7				ug/L	43	Standard
	Y	89	534155.0	2.5				ug/L	371443	Standard
>	Rh	103	413627.5	2.7				ug/L	360413	Standard
	Ag	107	4961.5	2.2	0.3838	0.002	0.6	ug/L	366	Standard
	Cd	111	1954.4	1.6	0.6711	0.024	3.6	ug/L	249	Standard
	Cd	114	2887.6	1.7	0.4255	0.003	0.7	ug/L	8	Standard
>	In	115	392325.6	1.8				ug/L	414508	Standard
	Ba	135	69841.3	1.7	27.3973	0.202	0.7	ug/L	23	Standard
	Ba	137	120219.4	1.2	27.5114	0.033	0.1	ug/L	33	Standard
>	Tb	159	467149.0	1.1				ug/L	457622	Standard
	Ho	165	505179.6	0.6				ug/L	489924	Standard
	Pb	208	2357073.9	0.8	47.8062	0.164	0.3	ug/L	453	Standard
	Bi	209	360775.8	0.4				ug/L	380338	Standard
	Th	232	525737.6	1.1				ug/L	490288	Standard
	Cr-1	52	14262.1	1.0	17.0824	0.081	0.5	ug/L	159	KED
	Cr-1	53	1712.4	1.5	16.5247	0.340	2.1	ug/L	19	KED
	Ni-1	58	17341.8	2.8	15.7444	0.326	2.1	ug/L	9	KED
	Ni-1	60	6361.1	3.3	13.0129	0.404	3.1	ug/L	2	KED
	Ni-1	62	954.0	2.5	12.6035	0.387	3.1	ug/L	1	KED
	Cu-1	63	65215.2	0.3	49.0626	0.421	0.9	ug/L	25	KED
	Cu-1	65	32498.6	1.3	49.8652	0.408	0.8	ug/L	9	KED
	Zn-1	66	8044.6	0.9	99.1075	0.267	0.3	ug/L	13	KED
	Zn-1	67	1272.1	2.9	94.3117	2.107	2.2	ug/L	1	KED
	Zn-1	68	6078.6	0.9	96.6559	0.260	0.3	ug/L	11	KED
>	Ge-1	72	7010.7	0.9				ug/L	5623	KED
	As-2	75	402.7	3.6	8.6229	0.323	3.7	ug/L	1	KED
	Se-1	78	4.3	35.3	1.4329	0.724	50.5	ug/L	1	KED
	Y-1	89	12915.2	0.9				ug/L	8035	KED
	Rh-1	103	77154.8	0.7				ug/L	66803	KED
	Cd-1	111	87.3	7.0	0.4960	0.038	7.7	ug/L	4	KED

|	**Cd-1**	114	188.2	22.5	**0.4465**	0.102	22.8	ug/L	3 KED
|>	**In-1**	115	6601.8	1.0				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
[>	Sc	45		145.602
|	Cr	52		
|	Cr	53		
[	Ni	58		
|	Ni	60		
|	Ni	62		
|	Cu	63		
|	Cu	65		
|	Zn	66		
|	Zn	67		
|	Zn	68		
|>	Ge	72		123.719
|	As	75		
|	As-1	75		
[	Se	77		
|	Se	78		
|	Br	79		
|	Se	82		
	Kr	83		
	Y	89		
[>	Rh	103		114.765
|	Ag	107		
[	Cd	111		
|	Cd	114		
|>	In	115		94.649
[	Ba	135		
|	Ba	137		
|>	Tb	159		102.082
|	Ho	165		
|	Pb	208		
|	Bi	209		
|	Th	232		
[	Cr-1	52		
|	Cr-1	53		
|	Ni-1	58		
|	Ni-1	60		
|	Ni-1	62		
|	Cu-1	63		
|	Cu-1	65		
|	Zn-1	66		
|	Zn-1	67		
|	Zn-1	68		
|>	Ge-1	72		124.670
|	As-2	75		
|	Se-1	78		
	Y-1	89		
	Rh-1	103		
[	Cd-1	111		
|	Cd-1	114		
|>	In-1	115		138.169

Quantitative Analysis - Summary Report

Sample ID: 04-330-02aD 25X

Sample Date/Time: Friday, May 05, 2023 13:12:49
Report Date/Time: Friday, May 05, 2023 13:16:03
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-02aD 25X.055

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	380695.5	3.5				ug/L	264715	Standard
	Cr	52	193874.0	3.9	**16.2565**	0.067	0.4	ug/L	5820	Standard
	Cr	53	28849.1	3.3	**21.5381**	0.264	1.2	ug/L	292	Standard
	Ni	58	86206.6	9.9	**16.6039**	1.373	8.3	ug/L	-965	Standard
	Ni	60	31459.0	5.3	**15.2364**	0.523	3.4	ug/L	18	Standard
	Ni	62	5064.6	2.5	**16.7533**	0.299	1.8	ug/L	37	Standard
	Cu	63	244818.6	3.2	**53.9418**	0.762	1.4	ug/L	79	Standard
	Cu	65	116286.0	3.2	**53.2811**	0.751	1.4	ug/L	33	Standard
	Zn	66	101102.3	2.0	**90.0749**	0.147	0.2	ug/L	138	Standard
	Zn	67	15968.3	1.8	**84.9229**	0.671	0.8	ug/L	17	Standard
	Zn	68	69921.1	1.6	**87.7640**	0.366	0.4	ug/L	124	Standard
>	Ge	72	199578.1	2.0				ug/L	161704	Standard
	As	75	11368.0	1.6	**9.2890**	0.056	0.6	ug/L	1933	Standard
	As-1	75	9100.7	1.1	**8.6904**	0.086	1.0	ug/L	2	Standard
	Se	77	678.7	4.9	**8.6808**	0.456	5.3	ug/L	40	Standard
	Se	78	3159.3	3.6	**1.1788**	0.305	25.9	ug/L	2324	Standard
	Br	79	49200.9	1.4				ug/L	86	Standard
	Se	82	214.0	2.4	**1.2537**	0.071	5.7	ug/L	38	Standard
	Kr	83	55.7	16.7				ug/L	43	Standard
	Y	89	545310.1	1.2				ug/L	371443	Standard
>	Rh	103	421332.3	1.3				ug/L	360413	Standard
	Ag	107	4431.0	2.6	**0.3322**	0.013	3.9	ug/L	366	Standard
	Cd	111	1757.3	2.6	**0.5968**	0.011	1.8	ug/L	249	Standard
	Cd	114	2342.7	2.4	**0.3465**	0.011	3.3	ug/L	8	Standard
>	In	115	390662.5	1.6				ug/L	414508	Standard
	Ba	135	150526.3	1.0	**58.8558**	0.676	1.1	ug/L	23	Standard
	Ba	137	258983.2	0.8	**59.0686**	0.403	0.7	ug/L	33	Standard
>	Tb	159	468786.8	0.2				ug/L	457622	Standard
	Ho	165	505884.2	0.7				ug/L	489924	Standard
	Pb	208	2890180.7	0.8	**58.4154**	0.580	1.0	ug/L	453	Standard
	Bi	209	359063.7	1.5				ug/L	380338	Standard
	Th	232	522682.0	0.9				ug/L	490288	Standard
	Cr-1	52	15106.0	1.7	**18.0368**	0.518	2.9	ug/L	159	KED
	Cr-1	53	1871.1	4.6	**18.0090**	1.047	5.8	ug/L	19	KED
	Ni-1	58	18775.2	2.1	**16.9825**	0.528	3.1	ug/L	9	KED
	Ni-1	60	6713.9	1.0	**13.6814**	0.279	2.0	ug/L	2	KED
	Ni-1	62	1098.0	2.7	**14.4522**	0.537	3.7	ug/L	1	KED
	Cu-1	63	65758.3	1.2	**49.2733**	0.895	1.8	ug/L	25	KED
	Cu-1	65	32332.6	1.9	**49.4071**	0.515	1.0	ug/L	9	KED
	Zn-1	66	7404.3	0.3	**90.8375**	0.886	1.0	ug/L	13	KED
	Zn-1	67	1162.7	0.8	**85.8543**	0.427	0.5	ug/L	1	KED
	Zn-1	68	5600.4	1.3	**88.6778**	1.325	1.5	ug/L	11	KED
>	Ge-1	72	7039.4	1.3				ug/L	5623	KED
	As-2	75	421.0	6.9	**8.9749**	0.521	5.8	ug/L	1	KED
	Se-1	78	5.0	34.6	**1.7257**	0.779	45.2	ug/L	1	KED
	Y-1	89	13193.8	1.5				ug/L	8035	KED
	Rh-1	103	76878.0	1.3				ug/L	66803	KED
	Cd-1	111	70.0	12.2	**0.3886**	0.053	13.6	ug/L	4	KED

	Cd-1	114	165.6	6.7	**0.3898**	0.027	7.0	ug/L	3 KED
>	**In-1**	115	6639.0	0.9				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		143.813
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		123.422
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		116.903
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		94.247
	Ba	135		
	Ba	137		
>	Tb	159		102.440
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		125.180
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		138.948

Quantitative Analysis - Summary Report

Sample ID: 04-330-02aL 125X

Sample Date/Time: Friday, May 05, 2023 13:18:24
Report Date/Time: Friday, May 05, 2023 13:21:38
Method File: C:\NexION Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION Data_kmckinney\DataSet\X230505A\04-330-02aL 125X.056

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	353490.3	2.8				ug/L	264715	Standard
	Cr	52	47474.8	2.4	3.7482	0.073	1.9	ug/L	5820	Standard
	Cr	53	7229.5	2.8	5.5808	0.122	2.2	ug/L	292	Standard
	Ni	58	18380.7	16.4	3.6416	0.461	12.7	ug/L	-965	Standard
	Ni	60	6590.9	2.5	3.1200	0.022	0.7	ug/L	18	Standard
	Ni	62	1066.0	5.9	3.3318	0.120	3.6	ug/L	37	Standard
	Cu	63	56285.7	2.6	12.1357	0.212	1.8	ug/L	79	Standard
	Cu	65	26795.8	3.2	12.0145	0.150	1.2	ug/L	33	Standard
	Zn	66	25364.2	2.5	22.0240	0.078	0.4	ug/L	138	Standard
	Zn	67	3932.2	1.1	20.4059	0.368	1.8	ug/L	17	Standard
	Zn	68	17566.8	1.1	21.4627	0.483	2.2	ug/L	124	Standard
>	Ge	72	203727.1	2.8				ug/L	161704	Standard
	As	75	4549.1	2.0	2.1427	0.057	2.7	ug/L	1933	Standard
	As-1	75	2058.9	1.3	1.9251	0.059	3.1	ug/L	2	Standard
	Se	77	230.3	6.8	2.4323	0.220	9.1	ug/L	40	Standard
	Se	78	3159.3	3.5	0.9175	0.097	10.5	ug/L	2324	Standard
	Br	79	18267.7	3.0				ug/L	86	Standard
	Se	82	112.7	5.9	0.4754	0.028	5.9	ug/L	38	Standard
	Kr	83	48.7	8.3				ug/L	43	Standard
	Y	89	472787.5	2.8				ug/L	371443	Standard
>	Rh	103	428472.7	2.0				ug/L	360413	Standard
	Ag	107	1157.7	3.2	0.0590	0.004	6.4	ug/L	366	Standard
	Cd	111	620.2	2.2	0.1523	0.008	5.4	ug/L	249	Standard
	Cd	114	658.3	3.2	0.0970	0.002	1.9	ug/L	8	Standard
>	In	115	388967.8	1.3				ug/L	414508	Standard
	Ba	135	15508.4	0.3	6.2297	0.039	0.6	ug/L	23	Standard
	Ba	137	26568.7	1.4	6.2269	0.049	0.8	ug/L	33	Standard
>	Tb	159	455696.2	0.8				ug/L	457622	Standard
	Ho	165	490159.3	1.0				ug/L	489924	Standard
	Pb	208	544659.7	1.0	11.3169	0.027	0.2	ug/L	453	Standard
	Bi	209	360549.7	0.9				ug/L	380338	Standard
	Th	232	494975.1	0.5				ug/L	490288	Standard
	Cr-1	52	3443.4	2.8	3.8657	0.108	2.8	ug/L	159	KED
	Cr-1	53	410.3	4.3	3.7130	0.155	4.2	ug/L	19	KED
	Ni-1	58	4108.9	4.3	3.6539	0.082	2.3	ug/L	9	KED
	Ni-1	60	1474.1	1.3	2.9572	0.103	3.5	ug/L	2	KED
	Ni-1	62	222.7	7.3	2.8718	0.229	8.0	ug/L	1	KED
	Cu-1	63	14989.5	2.0	11.0528	0.191	1.7	ug/L	25	KED
	Cu-1	65	7413.3	2.4	11.1524	0.047	0.4	ug/L	9	KED
	Zn-1	66	1874.8	2.4	22.5277	0.943	4.2	ug/L	13	KED
	Zn-1	67	283.3	4.8	20.5300	0.944	4.6	ug/L	1	KED
	Zn-1	68	1388.7	4.1	21.5237	1.250	5.8	ug/L	11	KED
>	Ge-1	72	7141.8	2.4				ug/L	5623	KED
	As-2	75	84.0	18.7	1.7487	0.301	17.2	ug/L	1	KED
	Se-1	78	1.7	69.3	0.1788	0.520	290.7	ug/L	1	KED
	Y-1	89	11356.2	1.1				ug/L	8035	KED
	Rh-1	103	78770.2	0.9				ug/L	66803	KED
	Cd-1	111	21.3	37.9	0.0939	0.048	51.5	ug/L	4	KED

	Cd-1	114	46.2	9.2	**0.1006**	0.010	10.0	ug/L	3 KED
>	**In-1**	115	6714.4	2.5				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		133.536
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		125.988
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		118.884
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		93.839
	Ba	135		
	Ba	137		
>	Tb	159		99.579
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		127.000
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		140.526

Quantitative Analysis - Summary Report

Sample ID: 04-330-02aPS 25X

Sample Date/Time: Friday, May 05, 2023 13:23:59
Report Date/Time: Friday, May 05, 2023 13:27:14
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-02aPS 25X.057

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	385278.2	1.4				ug/L	264715	Standard
	Cr	52	597999.4	1.8	**51.0541**	0.669	1.3	ug/L	5820	Standard
	Cr	53	77304.3	2.1	**57.5430**	0.605	1.1	ug/L	292	Standard
	Ni	58	306081.4	1.9	**57.6657**	0.722	1.3	ug/L	-965	Standard
	Ni	60	118136.9	1.4	**56.5280**	0.756	1.3	ug/L	18	Standard
	Ni	62	17618.5	2.7	**57.8816**	0.384	0.7	ug/L	37	Standard
	Cu	63	455701.6	1.8	**99.1282**	0.858	0.9	ug/L	79	Standard
	Cu	65	217936.7	1.6	**98.5860**	0.894	0.9	ug/L	33	Standard
	Zn	66	168326.2	2.3	**148.0954**	1.130	0.8	ug/L	138	Standard
	Zn	67	26663.2	1.8	**140.0244**	2.036	1.5	ug/L	17	Standard
	Zn	68	116035.7	0.9	**143.8808**	2.212	1.5	ug/L	124	Standard
>	Ge	72	202239.7	2.4				ug/L	161704	Standard
	As	75	50664.5	2.9	**49.2286**	0.366	0.7	ug/L	1933	Standard
	As-1	75	51492.5	2.8	**48.5242**	0.202	0.4	ug/L	2	Standard
	Se	77	3702.8	3.5	**49.7132**	1.111	2.2	ug/L	40	Standard
	Se	78	13117.4	2.3	**40.9032**	0.039	0.1	ug/L	2324	Standard
	Br	79	71579.6	1.4				ug/L	86	Standard
	Se	82	5542.7	2.9	**40.6594**	0.859	2.1	ug/L	38	Standard
	Kr	83	54.0	12.1				ug/L	43	Standard
	Y	89	559914.6	1.6				ug/L	371443	Standard
>	Rh	103	421039.2	0.4				ug/L	360413	Standard
	Ag	107	409460.1	3.1	**33.9516**	0.979	2.9	ug/L	366	Standard
	Cd	111	104622.2	0.8	**41.2745**	0.277	0.7	ug/L	249	Standard
	Cd	114	267668.5	1.4	**40.0544**	0.263	0.7	ug/L	8	Standard
>	In	115	387277.6	1.2				ug/L	414508	Standard
	Ba	135	177798.3	1.1	**69.6079**	0.721	1.0	ug/L	23	Standard
	Ba	137	304944.6	1.2	**69.6388**	0.421	0.6	ug/L	33	Standard
>	Tb	159	468231.9	1.6				ug/L	457622	Standard
	Ho	165	500541.4	1.2				ug/L	489924	Standard
	Pb	208	4488550.1	0.7	**90.8416**	0.862	0.9	ug/L	453	Standard
	Bi	209	357834.9	0.4				ug/L	380338	Standard
	Th	232	530197.3	2.0				ug/L	490288	Standard
	Cr-1	52	48211.9	0.7	**57.7348**	0.380	0.7	ug/L	159	KED
	Cr-1	53	5989.3	1.3	**57.7714**	0.234	0.4	ug/L	19	KED
	Ni-1	58	61714.0	2.5	**55.4983**	1.206	2.2	ug/L	9	KED
	Ni-1	60	25339.1	2.3	**51.3317**	0.722	1.4	ug/L	2	KED
	Ni-1	62	3975.9	1.4	**52.0601**	0.259	0.5	ug/L	1	KED
	Cu-1	63	121741.0	2.0	**90.6825**	1.053	1.2	ug/L	25	KED
	Cu-1	65	59947.5	1.8	**91.0744**	0.874	1.0	ug/L	9	KED
	Zn-1	66	12144.2	2.6	**148.1977**	1.863	1.3	ug/L	13	KED
	Zn-1	67	1921.1	2.5	**141.0835**	3.174	2.2	ug/L	1	KED
	Zn-1	68	9105.2	0.4	**143.4521**	2.020	1.4	ug/L	11	KED
>	Ge-1	72	7081.8	1.4				ug/L	5623	KED
	As-2	75	2246.2	2.1	**47.6921**	0.436	0.9	ug/L	1	KED
	Se-1	78	95.3	5.0	**43.1369**	1.853	4.3	ug/L	1	KED
	Y-1	89	13619.5	1.0				ug/L	8035	KED
	Rh-1	103	77687.3	0.4				ug/L	66803	KED
	Cd-1	111	6448.5	0.5	**37.9558**	0.289	0.8	ug/L	4	KED

	Cd-1	114	16110.1	0.4	**37.9418**	0.335	0.9	ug/L	3 KED
>	**In-1**	115	6793.3	0.8				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		145.545
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		125.068
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		116.821
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		93.431
	Ba	135		
	Ba	137		
>	Tb	159		102.318
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		125.933
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		142.178

Quantitative Analysis - Summary Report

Sample ID: 04-330-01a 10X

Sample Date/Time: Friday, May 05, 2023 13:30:36
Report Date/Time: Friday, May 05, 2023 13:33:51
Method File: C:\NexION Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION Data_kmckinney\DataSet\X230505A\04-330-01a 10X.058

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	365622.8	2.7				ug/L	264715	Standard
	Cr	52	163368.9	2.7	**14.1752**	0.157	1.1	ug/L	5820	Standard
	Cr	53	36480.9	2.5	**28.4592**	0.446	1.6	ug/L	292	Standard
	Ni	58	72799.6	7.5	**15.9550**	1.126	7.1	ug/L	-965	Standard
	Ni	60	40738.0	2.2	**22.4349**	0.180	0.8	ug/L	18	Standard
	Ni	62	4294.0	1.2	**16.1363**	0.121	0.8	ug/L	37	Standard
	Cu	63	193611.2	2.9	**48.4767**	0.782	1.6	ug/L	79	Standard
	Cu	65	93650.5	3.5	**48.7586**	1.017	2.1	ug/L	33	Standard
	Zn	66	137351.6	2.1	**139.1374**	1.026	0.7	ug/L	138	Standard
	Zn	67	21317.6	1.9	**128.8924**	1.946	1.5	ug/L	17	Standard
	Zn	68	94488.5	1.6	**134.8783**	1.523	1.1	ug/L	124	Standard
>	Ge	72	175623.1	1.4				ug/L	161704	Standard
	As	75	15314.1	2.3	**15.5278**	0.229	1.5	ug/L	1933	Standard
	As-1	75	13630.1	2.2	**14.7901**	0.198	1.3	ug/L	2	Standard
	Se	77	4892.2	1.7	**75.9972**	1.028	1.4	ug/L	40	Standard
	Se	78	2952.6	2.7	**1.9746**	0.182	9.2	ug/L	2324	Standard
	Br	79	102530.1	2.2				ug/L	86	Standard
	Se	82	397.7	1.3	**3.0368**	0.051	1.7	ug/L	38	Standard
	Kr	83	105.0	11.0				ug/L	43	Standard
	Y	89	494414.4	0.8				ug/L	371443	Standard
>	Rh	103	353158.7	0.6				ug/L	360413	Standard
	Ag	107	3922.5	2.1	**0.3527**	0.009	2.4	ug/L	366	Standard
	Cd	111	2212.3	0.4	**0.8683**	0.016	1.8	ug/L	249	Standard
	Cd	114	3668.0	0.7	**0.6015**	0.012	2.0	ug/L	8	Standard
>	In	115	352819.8	1.3				ug/L	414508	Standard
	Ba	135	111405.1	1.3	**45.6808**	0.541	1.2	ug/L	23	Standard
	Ba	137	192134.5	1.0	**45.9570**	0.355	0.8	ug/L	33	Standard
>	Tb	159	446993.3	0.7				ug/L	457622	Standard
	Ho	165	481042.6	0.8				ug/L	489924	Standard
	Pb	208	1110114.0	0.3	**23.5258**	0.121	0.5	ug/L	453	Standard
	Bi	209	301182.8	0.2				ug/L	380338	Standard
	Th	232	497354.3	0.9				ug/L	490288	Standard
	Cr-1	52	11974.7	0.5	**17.0147**	0.117	0.7	ug/L	159	KED
	Cr-1	53	1459.1	3.7	**16.7079**	0.740	4.4	ug/L	19	KED
	Ni-1	58	13927.0	1.5	**15.0027**	0.318	2.1	ug/L	9	KED
	Ni-1	60	4646.8	2.1	**11.2777**	0.299	2.6	ug/L	2	KED
	Ni-1	62	761.7	1.8	**11.9344**	0.147	1.2	ug/L	1	KED
	Cu-1	63	50745.3	0.8	**45.2869**	0.307	0.7	ug/L	25	KED
	Cu-1	65	24887.0	1.2	**45.3039**	0.792	1.7	ug/L	9	KED
	Zn-1	66	9942.8	1.1	**145.4183**	1.800	1.2	ug/L	13	KED
	Zn-1	67	1525.1	2.0	**134.2113**	2.948	2.2	ug/L	1	KED
	Zn-1	68	7263.2	0.5	**137.1051**	0.640	0.5	ug/L	11	KED
>	Ge-1	72	5909.6	0.8				ug/L	5623	KED
	As-2	75	547.0	1.4	**13.9076**	0.274	2.0	ug/L	1	KED
	Se-1	78	7.0	24.7	**3.2713**	0.963	29.4	ug/L	1	KED
	Y-1	89	11875.3	1.0				ug/L	8035	KED
	Rh-1	103	62969.1	0.4				ug/L	66803	KED
	Cd-1	111	94.0	2.8	**0.6236**	0.017	2.7	ug/L	4	KED

|	**Cd-1**	114	199.1	9.4	**0.5466**	0.045	8.3	ug/L	3 KED
|>	**In-1**	115	5724.8	1.2				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
[>	Sc	45		138.120
|	Cr	52		
|	Cr	53		
[	Ni	58		
|	Ni	60		
|	Ni	62		
|	Cu	63		
|	Cu	65		
|	Zn	66		
|	Zn	67		
|	Zn	68		
|>	Ge	72		108.608
[	As	75		
|	As-1	75		
|	Se	77		
|	Se	78		
|	Br	79		
|	Se	82		
|	Kr	83		
|	Y	89		
[>	Rh	103		97.987
|	Ag	107		
[	Cd	111		
|	Cd	114		
|>	In	115		85.118
[	Ba	135		
|	Ba	137		
|>	Tb	159		97.677
|	Ho	165		
|	Pb	208		
|	Bi	209		
|	Th	232		
[	Cr-1	52		
|	Cr-1	53		
|	Ni-1	58		
|	Ni-1	60		
|	Ni-1	62		
|	Cu-1	63		
|	Cu-1	65		
|	Zn-1	66		
|	Zn-1	67		
|	Zn-1	68		
|>	Ge-1	72		105.088
|	As-2	75		
|	Se-1	78		
|	Y-1	89		
|	Rh-1	103		
[	Cd-1	111		
|	Cd-1	114		
|>	In-1	115		119.815

Quantitative Analysis - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Friday, May 05, 2023 13:36:12
Report Date/Time: Friday, May 05, 2023 13:39:27
Method File: C:\NexION Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION Data_kmckinney\DataSet\X230505A\QC Std 6.059

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	351150.4	1.9				ug/L	264715	Standard
	Cr	52	413052.7	1.9	**38.5156**	0.476	1.2	ug/L	5820	Standard
	Cr	53	48089.5	2.7	**39.1736**	0.499	1.3	ug/L	292	Standard
	Ni	58	218046.6	3.7	**40.8627**	0.692	1.7	ug/L	-965	Standard
	Ni	60	86421.5	3.8	**41.0607**	0.683	1.7	ug/L	18	Standard
	Ni	62	12651.3	3.5	**41.2396**	0.612	1.5	ug/L	37	Standard
	Cu	63	190671.7	2.9	**41.1881**	0.874	2.1	ug/L	79	Standard
	Cu	65	90729.6	2.0	**40.7573**	0.078	0.2	ug/L	33	Standard
	Zn	66	45859.9	2.5	**39.9691**	0.176	0.4	ug/L	138	Standard
	Zn	67	7856.8	1.5	**40.9070**	0.260	0.6	ug/L	17	Standard
	Zn	68	32251.0	1.1	**39.5852**	0.447	1.1	ug/L	124	Standard
>	Ge	72	203576.0	2.2				ug/L	161704	Standard
	As	75	42177.4	1.7	**40.2927**	0.229	0.6	ug/L	1933	Standard
	As-1	75	42899.2	1.7	**40.1657**	0.202	0.5	ug/L	2	Standard
	Se	77	3073.3	3.1	**40.8705**	0.660	1.6	ug/L	40	Standard
	Se	78	13242.5	2.8	**41.0628**	1.417	3.5	ug/L	2324	Standard
	Br	79	16143.2	14.3				ug/L	86	Standard
	Se	82	5543.7	1.5	**40.3998**	0.410	1.0	ug/L	38	Standard
	Kr	83	43.0	15.2				ug/L	43	Standard
	Y	89	456261.3	1.9				ug/L	371443	Standard
>	Rh	103	432488.6	1.5				ug/L	360413	Standard
	Ag	107	473408.2	0.8	**38.2265**	0.631	1.6	ug/L	366	Standard
	Cd	111	105678.2	0.3	**40.2988**	0.299	0.7	ug/L	249	Standard
	Cd	114	275421.6	1.1	**39.8402**	0.231	0.6	ug/L	8	Standard
>	In	115	400638.4	0.9				ug/L	414508	Standard
	Ba	135	100055.2	0.5	**39.9555**	0.244	0.6	ug/L	23	Standard
	Ba	137	171970.9	0.5	**40.0598**	0.088	0.2	ug/L	33	Standard
>	Tb	159	458965.6	0.3				ug/L	457622	Standard
	Ho	165	494335.6	1.0				ug/L	489924	Standard
	Pb	208	1865742.1	0.3	**38.5136**	0.235	0.6	ug/L	453	Standard
	Bi	209	371863.7	1.0				ug/L	380338	Standard
	Th	232	498949.0	1.3				ug/L	490288	Standard
	Cr-1	52	33667.3	0.7	**38.7416**	0.960	2.5	ug/L	159	KED
	Cr-1	53	4178.3	3.8	**38.7183**	1.126	2.9	ug/L	19	KED
	Ni-1	58	44198.4	1.3	**38.2620**	0.469	1.2	ug/L	9	KED
	Ni-1	60	19297.4	1.2	**37.6367**	0.466	1.2	ug/L	2	KED
	Ni-1	62	3027.7	0.3	**38.1697**	0.993	2.6	ug/L	1	KED
	Cu-1	63	51801.4	0.6	**37.1391**	0.678	1.8	ug/L	25	KED
	Cu-1	65	25883.4	0.9	**37.8526**	0.799	2.1	ug/L	9	KED
	Zn-1	66	3409.4	1.0	**39.9250**	1.393	3.5	ug/L	13	KED
	Zn-1	67	531.7	3.6	**37.5274**	2.241	6.0	ug/L	1	KED
	Zn-1	68	2576.9	1.8	**38.9228**	0.720	1.8	ug/L	11	KED
>	Ge-1	72	7357.2	2.4				ug/L	5623	KED
	As-2	75	1952.5	0.8	**39.9182**	0.990	2.5	ug/L	1	KED
	Se-1	78	96.0	9.1	**41.8664**	4.644	11.1	ug/L	1	KED
	Y-1	89	11034.6	2.6				ug/L	8035	KED
	Rh-1	103	80566.9	1.4				ug/L	66803	KED
	Cd-1	111	6563.5	0.7	**38.0728**	0.307	0.8	ug/L	**4**	KED

Cd-1	114	16368.3	1.7	37.9866	0.064	0.2	ug/L	3	KED
In-1	115	6893.7	1.5				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		132.652
	Cr	52	96.289	
	Cr	53	97.934	
	Ni	58	102.157	
	Ni	60	102.652	
	Ni	62	103.099	
	Cu	63	102.970	
	Cu	65	101.893	
	Zn	66	99.923	
	Zn	67	102.268	
	Zn	68	98.963	
>	Ge	72		125.894
	As	75	100.732	
	As-1	75	100.414	
	Se	77	102.176	
	Se	78	102.657	
	Br	79		
	Se	82	100.999	
	Kr	83		
	Y	89		
>	Rh	103		119.998
	Ag	107	95.566	
	Cd	111	100.747	
	Cd	114	99.601	
>	In	115		96.654
	Ba	135	99.889	
	Ba	137	100.150	
>	Tb	159		100.294
	Ho	165		
	Pb	208	96.284	
	Bi	209		
	Th	232		
	Cr-1	52	96.854	
	Cr-1	53	96.796	
	Ni-1	58	95.655	
	Ni-1	60	94.092	
	Ni-1	62	95.424	
	Cu-1	63	92.848	
	Cu-1	65	94.631	
	Zn-1	66	99.813	
	Zn-1	67	93.819	
	Zn-1	68	97.307	
>	Ge-1	72		130.831
	As-2	75	99.796	
	Se-1	78	104.666	
	Y-1	89		
	Rh-1	103		
	Cd-1	111	95.182	
	Cd-1	114	94.967	
>	In-1	115		144.277

Quantitative Analysis - Summary Report

Sample ID: QC Std 8

Sample Date/Time: Friday, May 05, 2023 13:41:49
Report Date/Time: Friday, May 05, 2023 13:45:04
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\QC Std 8.060

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	342184.7	2.0				ug/L	264715	Standard
	Cr	52	7369.6	3.1	-0.0150	0.016	107.8	ug/L	5820	Standard
	Cr	53	730.7	5.9	0.2982	0.046	15.4	ug/L	292	Standard
	Ni	58	-1174.3	3.8	0.0047	0.005	98.9	ug/L	-965	Standard
	Ni	60	25.7	19.6	0.0014	0.002	161.6	ug/L	18	Standard
	Ni	62	60.3	11.0	0.0478	0.025	52.1	ug/L	37	Standard
	Cu	63	110.0	18.5	0.0025	0.004	166.1	ug/L	79	Standard
	Cu	65	64.0	8.1	0.0105	0.003	24.3	ug/L	33	Standard
	Zn	66	168.0	2.4	-0.0031	0.004	123.6	ug/L	138	Standard
	Zn	67	30.7	22.2	0.0481	0.035	72.3	ug/L	17	Standard
	Zn	68	171.7	8.4	0.0218	0.015	66.9	ug/L	124	Standard
>	Ge	72	200978.5	1.7				ug/L	161704	Standard
	As	75	2521.7	1.4	0.1239	0.075	60.7	ug/L	1933	Standard
	As-1	75	34.5	107.0	0.0311	0.035	113.4	ug/L	2	Standard
	Se	77	71.7	6.3	0.3015	0.078	26.0	ug/L	40	Standard
	Se	78	2993.3	0.7	0.4241	0.218	51.4	ug/L	2324	Standard
	Br	79	5258.0	13.1				ug/L	86	Standard
	Se	82	48.7	8.6	0.0111	0.037	332.9	ug/L	38	Standard
	Kr	83	44.0	31.2				ug/L	43	Standard
	Y	89	441288.1	2.9				ug/L	371443	Standard
>	Rh	103	419637.8	3.3				ug/L	360413	Standard
	Ag	107	1504.7	15.3	0.0897	0.017	18.9	ug/L	366	Standard
	Cd	111	317.9	6.8	0.0344	0.008	24.2	ug/L	249	Standard
	Cd	114	20.9	17.0	0.0020	0.001	25.3	ug/L	8	Standard
>	In	115	385202.2	0.8				ug/L	414508	Standard
	Ba	135	22.3	14.4	-0.0001	0.001	856.5	ug/L	23	Standard
	Ba	137	45.7	14.6	0.0033	0.001	44.4	ug/L	33	Standard
>	Tb	159	444719.9	1.4				ug/L	457622	Standard
	Ho	165	481208.5	0.4				ug/L	489924	Standard
	Pb	208	871.7	5.2	0.0092	0.001	9.2	ug/L	453	Standard
	Bi	209	361137.7	0.2				ug/L	380338	Standard
	Th	232	481516.9	0.3				ug/L	490288	Standard
	Cr-1	52	179.3	8.9	-0.0254	0.022	86.7	ug/L	159	KED
	Cr-1	53	24.0	26.0	0.0044	0.061	1387.7	ug/L	19	KED
	Ni-1	58	11.6	26.4	0.0006	0.003	401.3	ug/L	9	KED
	Ni-1	60	5.0	40.0	0.0042	0.004	99.8	ug/L	2	KED
	Ni-1	62	0.7	86.6	-0.0134	0.007	56.0	ug/L	1	KED
	Cu-1	63	36.7	23.2	0.0036	0.007	190.0	ug/L	25	KED
	Cu-1	65	13.0	35.3	0.0019	0.007	376.2	ug/L	9	KED
	Zn-1	66	13.3	24.1	-0.0422	0.042	99.5	ug/L	13	KED
	Zn-1	67	3.3	45.8	0.1219	0.116	95.1	ug/L	1	KED
	Zn-1	68	10.3	36.6	-0.0565	0.058	101.9	ug/L	11	KED
>	Ge-1	72	7098.1	1.6				ug/L	5623	KED
	As-2	75	1.0	100.0	0.0036	0.022	600.4	ug/L	1	KED
	Se-1	78	3.3	45.8	0.9435	0.678	71.9	ug/L	1	KED
	Y-1	89	10638.6	1.9				ug/L	8035	KED
	Rh-1	103	78553.1	1.4				ug/L	66803	KED
	Cd-1	111	3.3	34.6	-0.0135	0.008	55.7	ug/L	4	KED

	Cd-1	114	0.8	259.7	**-0.0075**	0.005	68.5	ug/L	3 KED
>	**In-1**	115	6747.0	4.4				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		129.265
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		124.288
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		116.433
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		92.930
	Ba	135		
	Ba	137		
>	Tb	159		97.181
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		126.223
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		141.209

Quantitative Analysis - Summary Report

Sample ID: 04-330-03a 25X

Sample Date/Time: Friday, May 05, 2023 13:46:54
Report Date/Time: Friday, May 05, 2023 13:50:08
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-03a 25X.061

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	390900.0	2.0				ug/L	264715	Standard
	Cr	52	207689.5	2.0	**16.9960**	0.331	1.9	ug/L	5820	Standard
	Cr	53	32050.9	2.3	**23.3312**	0.563	2.4	ug/L	292	Standard
	Ni	58	77855.7	3.6	**14.8062**	0.209	1.4	ug/L	-965	Standard
	Ni	60	30315.5	2.0	**14.4733**	0.393	2.7	ug/L	18	Standard
	Ni	62	5103.6	2.9	**16.6305**	0.410	2.5	ug/L	37	Standard
	Cu	63	229861.7	1.1	**49.9081**	0.920	1.8	ug/L	79	Standard
	Cu	65	109962.6	1.4	**49.6476**	0.814	1.6	ug/L	33	Standard
	Zn	66	114933.2	1.3	**100.9132**	2.028	2.0	ug/L	138	Standard
	Zn	67	17885.9	2.1	**93.7155**	0.871	0.9	ug/L	17	Standard
	Zn	68	78709.9	1.6	**97.3505**	0.992	1.0	ug/L	124	Standard
>	Ge	72	202609.2	2.5				ug/L	161704	Standard
	As	75	11713.4	1.8	**9.4670**	0.217	2.3	ug/L	1933	Standard
	As-1	75	9440.3	2.7	**8.8805**	0.230	2.6	ug/L	2	Standard
	Se	77	799.0	5.0	**10.1758**	0.514	5.1	ug/L	40	Standard
	Se	78	3224.4	1.0	**1.2521**	0.222	17.8	ug/L	2324	Standard
	Br	79	54239.4	1.2				ug/L	86	Standard
	Se	82	237.0	10.8	**1.3989**	0.185	13.2	ug/L	38	Standard
	Kr	83	47.3	9.5				ug/L	43	Standard
	Y	89	539097.9	1.0				ug/L	371443	Standard
>	Rh	103	415681.3	2.1				ug/L	360413	Standard
	Ag	107	4448.7	2.9	**0.3386**	0.008	2.4	ug/L	366	Standard
	Cd	111	2336.9	3.6	**0.8257**	0.020	2.4	ug/L	249	Standard
	Cd	114	3615.5	1.0	**0.5364**	0.008	1.4	ug/L	8	Standard
>	In	115	389883.4	1.5				ug/L	414508	Standard
	Ba	135	64824.1	1.0	**25.3173**	0.336	1.3	ug/L	23	Standard
	Ba	137	110748.3	0.3	**25.2312**	0.044	0.2	ug/L	33	Standard
>	Tb	159	469231.1	0.5				ug/L	457622	Standard
	Ho	165	505575.4	0.9				ug/L	489924	Standard
	Pb	208	2013969.0	0.5	**40.6639**	0.092	0.2	ug/L	453	Standard
	Bi	209	355516.6	0.9				ug/L	380338	Standard
	Th	232	525624.9	0.8				ug/L	490288	Standard
	Cr-1	52	16021.6	0.8	**18.7210**	0.512	2.7	ug/L	159	KED
	Cr-1	53	1968.8	1.6	**18.5385**	0.608	3.3	ug/L	19	KED
	Ni-1	58	17898.1	2.2	**15.8351**	0.543	3.4	ug/L	9	KED
	Ni-1	60	6480.5	1.8	**12.9191**	0.476	3.7	ug/L	2	KED
	Ni-1	62	1025.7	2.1	**13.1990**	0.222	1.7	ug/L	1	KED
	Cu-1	63	61358.5	1.5	**44.9787**	1.553	3.5	ug/L	25	KED
	Cu-1	65	30578.4	1.2	**45.7134**	1.157	2.5	ug/L	9	KED
	Zn-1	66	8190.3	0.3	**98.3093**	2.079	2.1	ug/L	13	KED
	Zn-1	67	1321.1	3.4	**95.4561**	4.371	4.6	ug/L	1	KED
	Zn-1	68	6310.4	0.6	**97.7595**	1.661	1.7	ug/L	11	KED
>	Ge-1	72	7197.5	1.9				ug/L	5623	KED
	As-2	75	461.0	2.2	**9.6194**	0.268	2.8	ug/L	1	KED
	Se-1	78	2.3	24.7	**0.4742**	0.252	53.1	ug/L	1	KED
	Y-1	89	13481.7	0.3				ug/L	8035	KED
	Rh-1	103	77939.7	0.8				ug/L	66803	KED
	Cd-1	111	101.3	11.4	**0.5620**	0.060	10.6	ug/L	4	KED

Cd-1	114	212.2	7.7	**0.4892**	0.030	6.1	ug/L	3	KED
In-1	115	6804.1	1.9				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		147.668
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		125.296
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		115.335
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		94.059
	Ba	135		
	Ba	137		
>	Tb	159		102.537
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		127.991
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		142.403

Quantitative Analysis - Summary Report

Sample ID: 04-330-04a 10X

Sample Date/Time: Friday, May 05, 2023 13:52:30
Report Date/Time: Friday, May 05, 2023 13:55:44
Method File: C:\NexION Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION Data_kmckinney\DataSet\X230505A\04-330-04a 10X.062

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	332843.5	1.6				ug/L	264715	Standard
	Cr	52	144604.1	2.4	13.7608	0.124	0.9	ug/L	5820	Standard
	Cr	53	33476.5	3.5	28.6816	0.595	2.1	ug/L	292	Standard
	Ni	58	60148.6	8.3	14.3642	1.185	8.3	ug/L	-965	Standard
	Ni	60	39881.0	3.4	23.8924	0.781	3.3	ug/L	18	Standard
	Ni	62	3233.7	2.4	13.1900	0.290	2.2	ug/L	37	Standard
	Cu	63	208859.6	3.0	56.8942	1.664	2.9	ug/L	79	Standard
	Cu	65	99392.8	3.3	56.3026	1.774	3.2	ug/L	33	Standard
	Zn	66	115602.6	1.4	127.3769	1.628	1.3	ug/L	138	Standard
	Zn	67	17843.5	0.8	117.3426	0.684	0.6	ug/L	17	Standard
	Zn	68	79696.0	1.3	123.7279	1.475	1.2	ug/L	124	Standard
>	Ge	72	161452.6	0.2				ug/L	161704	Standard
	As	75	11801.3	6.1	12.6178	0.905	7.2	ug/L	1933	Standard
	As-1	75	10195.5	6.0	12.0339	0.717	6.0	ug/L	2	Standard
	Se	77	5457.0	2.3	92.3527	2.045	2.2	ug/L	40	Standard
	Se	78	2812.6	2.6	2.4688	0.361	14.6	ug/L	2324	Standard
	Br	79	96153.2	1.2				ug/L	86	Standard
	Se	82	378.0	6.1	3.1519	0.221	7.0	ug/L	38	Standard
	Kr	83	104.7	6.1				ug/L	43	Standard
	Y	89	459402.8	1.8				ug/L	371443	Standard
>	Rh	103	324341.8	1.0				ug/L	360413	Standard
	Ag	107	3612.1	2.6	0.3537	0.006	1.8	ug/L	366	Standard
	Cd	111	1962.5	2.1	0.8590	0.022	2.6	ug/L	249	Standard
	Cd	114	3254.3	0.8	0.5957	0.011	1.8	ug/L	8	Standard
>	In	115	316048.6	1.2				ug/L	414508	Standard
	Ba	135	99380.8	1.1	43.9504	0.338	0.8	ug/L	23	Standard
	Ba	137	171676.1	1.1	44.2881	0.273	0.6	ug/L	33	Standard
>	Tb	159	414436.3	0.5				ug/L	457622	Standard
	Ho	165	446136.8	0.8				ug/L	489924	Standard
	Pb	208	1516078.7	0.4	34.6574	0.212	0.6	ug/L	453	Standard
	Bi	209	274877.7	0.5				ug/L	380338	Standard
	Th	232	452452.2	1.2				ug/L	490288	Standard
	Cr-1	52	10615.6	1.3	15.7603	0.284	1.8	ug/L	159	KED
	Cr-1	53	1293.4	6.4	15.4649	0.815	5.3	ug/L	19	KED
	Ni-1	58	10506.4	2.1	11.8346	0.193	1.6	ug/L	9	KED
	Ni-1	60	3627.1	2.1	9.2070	0.258	2.8	ug/L	2	KED
	Ni-1	62	557.7	2.2	9.1338	0.080	0.9	ug/L	1	KED
	Cu-1	63	54916.0	0.9	51.2745	1.235	2.4	ug/L	25	KED
	Cu-1	65	26909.0	1.3	51.2473	1.461	2.9	ug/L	9	KED
	Zn-1	66	8588.6	0.3	131.3810	2.456	1.9	ug/L	13	KED
	Zn-1	67	1373.1	0.3	126.3922	2.282	1.8	ug/L	1	KED
	Zn-1	68	6400.8	0.6	126.3798	2.556	2.0	ug/L	11	KED
>	Ge-1	72	5650.1	1.5				ug/L	5623	KED
	As-2	75	370.0	3.0	9.8342	0.307	3.1	ug/L	1	KED
	Se-1	78	6.7	45.8	3.2417	1.715	52.9	ug/L	1	KED
	Y-1	89	11480.9	1.6				ug/L	8035	KED
	Rh-1	103	59173.0	0.6				ug/L	66803	KED
	Cd-1	111	92.0	8.2	0.6357	0.056	8.9	ug/L	4	KED

|	**Cd-1**	114	209.9	8.9	**0.6006**	0.043	7.2	ug/L	3 KED
|>	**In-1**	115	5502.5	1.7				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
⌈>	Sc	45		125.737
|	Cr	52		
⌊	Cr	53		
⌈	Ni	58		
|	Ni	60		
|	Ni	62		
|	Cu	63		
|	Cu	65		
|	Zn	66		
|	Zn	67		
|	Zn	68		
|>	Ge	72		99.845
|	As	75		
|	As-1	75		
|	Se	77		
|	Se	78		
|	Br	79		
⌊	Se	82		
	Kr	83		
	Y	89		
⌈>	Rh	103		89.992
⌊	Ag	107		
⌈	Cd	111		
|	Cd	114		
⌊>	In	115		76.247
⌈	Ba	135		
|	Ba	137		
|>	Tb	159		90.563
|	Ho	165		
|	Pb	208		
|	Bi	209		
⌊	Th	232		
⌈	Cr-1	52		
|	Cr-1	53		
|	Ni-1	58		
|	Ni-1	60		
|	Ni-1	62		
|	Cu-1	63		
|	Cu-1	65		
|	Zn-1	66		
|	Zn-1	67		
|	Zn-1	68		
|>	Ge-1	72		100.474
|	As-2	75		
⌊	Se-1	78		
	Y-1	89		
	Rh-1	103		
⌈	Cd-1	111		
|	Cd-1	114		
⌊>	In-1	115		115.161

Quantitative Analysis - Summary Report

Sample ID: 04-330-05a 10X

Sample Date/Time: Friday, May 05, 2023 13:58:05
Report Date/Time: Friday, May 05, 2023 14:01:20
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-05a 10X.063

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	297555.2	2.5				ug/L	264715	Standard
	Cr	52	74813.3	4.3	7.6529	0.148	1.9	ug/L	5820	Standard
	Cr	53	23835.6	4.2	22.7767	0.443	1.9	ug/L	292	Standard
	Ni	58	44186.7	8.2	11.3539	0.791	7.0	ug/L	-965	Standard
	Ni	60	32468.2	2.2	20.8483	0.098	0.5	ug/L	18	Standard
	Ni	62	2188.8	0.8	9.5300	0.138	1.5	ug/L	37	Standard
	Cu	63	157474.1	2.3	45.9753	0.269	0.6	ug/L	79	Standard
	Cu	65	75405.2	2.5	45.7798	0.373	0.8	ug/L	33	Standard
	Zn	66	70943.1	1.8	83.7392	0.411	0.5	ug/L	138	Standard
	Zn	67	10908.5	3.0	76.8501	1.397	1.8	ug/L	17	Standard
	Zn	68	48794.2	1.2	81.1398	0.456	0.6	ug/L	124	Standard
>	Ge	72	150621.0	1.8				ug/L	161704	Standard
	As	75	9877.9	2.6	11.0717	0.486	4.4	ug/L	1933	Standard
	As-1	75	8397.6	3.9	10.6293	0.530	5.0	ug/L	2	Standard
	Se	77	5228.0	1.9	94.8569	0.451	0.5	ug/L	40	Standard
	Se	78	2792.9	3.8	3.3748	0.321	9.5	ug/L	2324	Standard
	Br	79	128586.5	1.2				ug/L	86	Standard
	Se	82	427.3	0.3	3.8946	0.085	2.2	ug/L	38	Standard
	Kr	83	129.0	5.1				ug/L	43	Standard
	Y	89	396767.8	2.9				ug/L	371443	Standard
>	Rh	103	300906.4	1.4				ug/L	360413	Standard
	Ag	107	2017.8	4.1	0.1989	0.008	4.1	ug/L	366	Standard
	Cd	111	1402.5	1.6	0.6291	0.013	2.1	ug/L	249	Standard
	Cd	114	2293.7	2.6	0.4452	0.016	3.5	ug/L	8	Standard
>	In	115	297881.5	0.8				ug/L	414508	Standard
	Ba	135	73173.7	2.4	34.8080	0.854	2.5	ug/L	23	Standard
	Ba	137	125685.1	0.5	34.8763	0.238	0.7	ug/L	33	Standard
>	Tb	159	385283.7	0.2				ug/L	457622	Standard
	Ho	165	413956.8	0.7				ug/L	489924	Standard
	Pb	208	516426.9	0.8	12.6927	0.119	0.9	ug/L	453	Standard
	Bi	209	250765.8	1.5				ug/L	380338	Standard
	Th	232	410621.0	1.3				ug/L	490288	Standard
	Cr-1	52	5485.4	1.4	8.4763	0.117	1.4	ug/L	159	KED
	Cr-1	53	674.7	2.3	8.4076	0.236	2.8	ug/L	19	KED
	Ni-1	58	7685.4	1.8	9.1261	0.191	2.1	ug/L	9	KED
	Ni-1	60	2310.2	1.4	6.1808	0.141	2.3	ug/L	2	KED
	Ni-1	62	360.3	7.7	6.2169	0.490	7.9	ug/L	1	KED
	Cu-1	63	42308.6	0.6	41.6414	0.677	1.6	ug/L	25	KED
	Cu-1	65	20862.2	0.8	41.8815	0.713	1.7	ug/L	9	KED
	Zn-1	66	5438.4	1.3	87.6303	0.359	0.4	ug/L	13	KED
	Zn-1	67	876.0	5.4	85.0005	5.360	6.3	ug/L	1	KED
	Zn-1	68	4022.6	2.6	83.6717	3.017	3.6	ug/L	11	KED
>	Ge-1	72	5358.7	1.0				ug/L	5623	KED
	As-2	75	308.3	2.2	8.6396	0.273	3.2	ug/L	1	KED
	Se-1	78	3.7	83.3	1.6332	1.828	112.0	ug/L	1	KED
	Y-1	89	10243.3	1.1				ug/L	8035	KED
	Rh-1	103	56280.0	0.5				ug/L	66803	KED
	Cd-1	111	53.0	16.8	0.3799	0.067	17.7	ug/L	4	KED

	Cd-1	114	152.0	11.0	**0.4650**	0.054	11.7	ug/L	3 KED
>	**In-1**	115	5127.5	0.5				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		112.406
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		93.146
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		83.489
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		71.864
	Ba	135		
	Ba	137		
>	Tb	159		84.193
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		95.292
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		107.314

Quantitative Analysis - Summary Report

Sample ID: MB0505SM2 5X

Sample Date/Time: Friday, May 05, 2023 14:12:21
Report Date/Time: Friday, May 05, 2023 14:15:35
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\MB0505SM2 5X.065

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	441742.9	4.5				ug/L	264715	Standard
	Cr	52	24109.7	3.5	1.0884	0.045	4.2	ug/L	5820	Standard
	Cr	53	118944.5	1.6	77.4048	2.404	3.1	ug/L	292	Standard
	Ni	58	-1082.2	44.8	0.0495	0.075	150.7	ug/L	-965	Standard
	Ni	60	327.3	9.1	0.1266	0.015	11.7	ug/L	18	Standard
	Ni	62	116.0	12.7	0.1825	0.039	21.3	ug/L	37	Standard
	Cu	63	1636.1	2.3	0.2906	0.001	0.2	ug/L	79	Standard
	Cu	65	794.0	2.7	0.2964	0.001	0.3	ug/L	33	Standard
	Zn	66	1332.4	4.6	0.8769	0.023	2.6	ug/L	138	Standard
	Zn	67	394.7	6.3	1.7058	0.120	7.0	ug/L	17	Standard
	Zn	68	980.7	2.8	0.8753	0.017	1.9	ug/L	124	Standard
>	Ge	72	230568.5	2.4				ug/L	161704	Standard
	As	75	5867.0	7.2	2.7887	0.432	15.5	ug/L	1933	Standard
	As-1	75	3091.3	14.2	2.5567	0.393	15.4	ug/L	2	Standard
	Se	77	8844.4	3.6	104.8873	1.524	1.5	ug/L	40	Standard
	Se	78	3387.1	2.2	0.2573	0.030	11.8	ug/L	2324	Standard
	Br	79	9101.9	8.2				ug/L	86	Standard
	Se	82	72.7	7.6	0.1196	0.024	20.1	ug/L	38	Standard
	Kr	83	38.3	9.9				ug/L	43	Standard
	Y	89	452060.4	2.4				ug/L	371443	Standard
>	Rh	103	404075.7	1.7				ug/L	360413	Standard
	Ag	107	1083.0	3.3	0.0582	0.002	2.8	ug/L	366	Standard
	Cd	111	485.0	3.2	0.0576	0.003	6.0	ug/L	249	Standard
	Cd	114	-1432.3	6.2	-0.1683	0.012	7.1	ug/L	8	Standard
>	In	115	496770.5	1.0				ug/L	414508	Standard
	Ba	135	543.0	1.9	0.1848	0.003	1.4	ug/L	23	Standard
	Ba	137	939.0	3.5	0.1882	0.005	2.9	ug/L	33	Standard
>	Tb	159	512674.9	1.2				ug/L	457622	Standard
	Ho	165	548937.9	1.0				ug/L	489924	Standard
	Pb	208	6198.9	0.8	0.1052	0.001	0.6	ug/L	453	Standard
	Bi	209	405369.9	1.3				ug/L	380338	Standard
	Th	232	539045.3	1.0				ug/L	490288	Standard
	Cr-1	52	343.3	2.5	0.0757	0.010	13.2	ug/L	159	KED
	Cr-1	53	97.7	6.0	0.4971	0.040	8.0	ug/L	19	KED
	Ni-1	58	173.5	5.6	0.1098	0.006	5.5	ug/L	9	KED
	Ni-1	60	74.3	4.7	0.1095	0.006	5.3	ug/L	2	KED
	Ni-1	62	13.3	21.7	0.1118	0.029	25.8	ug/L	1	KED
	Cu-1	63	450.7	2.8	0.2336	0.007	2.9	ug/L	25	KED
	Cu-1	65	233.0	2.8	0.2535	0.008	3.0	ug/L	9	KED
	Zn-1	66	108.0	12.7	0.8058	0.122	15.1	ug/L	13	KED
	Zn-1	67	17.7	44.0	0.8707	0.436	50.0	ug/L	1	KED
	Zn-1	68	78.3	4.1	0.7288	0.044	6.1	ug/L	11	KED
>	Ge-1	72	9240.3	0.7				ug/L	5623	KED
	As-2	75	11.3	31.0	0.1665	0.056	33.7	ug/L	1	KED
	Se-1	78	3.7	83.3	0.7156	1.082	151.3	ug/L	1	KED
	Y-1	89	13620.5	1.6				ug/L	8035	KED
	Rh-1	103	95178.8	1.9				ug/L	66803	KED
	Cd-1	111	12.3	12.4	0.0279	0.007	25.9	ug/L	4	KED

Cd-1	114	-23.2	81.2	**-0.0560**	0.038	68.3	ug/L	3	KED
In-1	115	8040.8	1.4				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		166.875
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		142.587
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		112.115
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		119.846
	Ba	135		
	Ba	137		
>	Tb	159		112.030
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		164.318
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		168.287

Quantitative Analysis - Summary Report

Sample ID: SB0505SM2 100X

Sample Date/Time: Friday, May 05, 2023 14:17:56
Report Date/Time: Friday, May 05, 2023 14:21:11
Method File: C:\NexION Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION Data_kmckinney\DataSet\X230505A\SB0505SM2 100X.066

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	342748.8	3.5				ug/L	264715	Standard
	Cr	52	234284.3	3.0	22.0760	0.157	0.7	ug/L	5820	Standard
	Cr	53	35006.2	4.0	29.1425	0.931	3.2	ug/L	292	Standard
	Ni	58	115894.7	5.0	23.0280	0.884	3.8	ug/L	-965	Standard
	Ni	60	46067.2	3.3	23.1035	0.399	1.7	ug/L	18	Standard
	Ni	62	6670.6	2.3	22.8910	0.201	0.9	ug/L	37	Standard
	Cu	63	52760.6	2.1	12.0166	0.168	1.4	ug/L	79	Standard
	Cu	65	24702.0	2.3	11.7007	0.115	1.0	ug/L	33	Standard
	Zn	66	24211.2	1.8	22.2109	0.207	0.9	ug/L	138	Standard
	Zn	67	3840.2	1.5	21.0529	0.314	1.5	ug/L	17	Standard
	Zn	68	17118.6	1.8	22.0949	0.290	1.3	ug/L	124	Standard
>	Ge	72	192832.3	1.6				ug/L	161704	Standard
	As	75	24302.0	2.5	23.5397	0.290	1.2	ug/L	1933	Standard
	As-1	75	23144.7	2.5	22.8736	0.290	1.3	ug/L	2	Standard
	Se	77	2370.2	4.9	33.1404	1.101	3.3	ug/L	40	Standard
	Se	78	8475.5	2.7	23.9601	0.397	1.7	ug/L	2324	Standard
	Br	79	4277.0	7.0				ug/L	86	Standard
	Se	82	2812.3	2.6	21.4691	0.310	1.4	ug/L	38	Standard
	Kr	83	37.7	21.5				ug/L	43	Standard
	Y	89	417759.3	0.9				ug/L	371443	Standard
>	Rh	103	389490.7	3.8				ug/L	360413	Standard
	Ag	107	56241.8	1.5	5.0142	0.125	2.5	ug/L	366	Standard
	Cd	111	27572.9	3.4	11.2165	0.175	1.6	ug/L	249	Standard
	Cd	114	71266.5	1.7	11.0641	0.047	0.4	ug/L	8	Standard
>	In	115	373284.9	2.1				ug/L	414508	Standard
	Ba	135	53558.6	3.5	23.2362	0.703	3.0	ug/L	23	Standard
	Ba	137	90594.8	2.3	22.9280	0.325	1.4	ug/L	33	Standard
>	Tb	159	422358.7	1.1				ug/L	457622	Standard
	Ho	165	456859.3	0.2				ug/L	489924	Standard
	Pb	208	2405653.5	0.6	53.9684	0.431	0.8	ug/L	453	Standard
	Bi	209	339514.6	0.8				ug/L	380338	Standard
	Th	232	457148.1	0.6				ug/L	490288	Standard
	Cr-1	52	19538.4	1.3	21.8945	0.370	1.7	ug/L	159	KED
	Cr-1	53	2320.5	0.9	20.9443	0.274	1.3	ug/L	19	KED
	Ni-1	58	24563.4	1.2	20.8049	0.235	1.1	ug/L	9	KED
	Ni-1	60	10742.7	1.4	20.5027	0.434	2.1	ug/L	2	KED
	Ni-1	62	1610.4	1.2	19.8554	0.432	2.2	ug/L	1	KED
	Cu-1	63	14862.4	2.6	10.4088	0.227	2.2	ug/L	25	KED
	Cu-1	65	7399.9	2.4	10.5767	0.284	2.7	ug/L	9	KED
	Zn-1	66	1945.8	0.4	22.2006	0.287	1.3	ug/L	13	KED
	Zn-1	67	321.0	8.5	22.0921	1.622	7.3	ug/L	1	KED
	Zn-1	68	1494.7	5.4	21.9974	1.145	5.2	ug/L	11	KED
>	Ge-1	72	7517.0	1.2				ug/L	5623	KED
	As-2	75	1111.4	3.2	22.2194	0.452	2.0	ug/L	1	KED
	Se-1	78	61.0	4.3	25.7778	1.081	4.2	ug/L	1	KED
	Y-1	89	11368.9	1.8				ug/L	8035	KED
	Rh-1	103	80010.4	0.6				ug/L	66803	KED
	Cd-1	111	1769.4	1.5	10.0351	0.129	1.3	ug/L	4	KED

|	**Cd-1**	114	4385.9	0.2	**9.9705**	0.073	0.7	ug/L	3 KED
|>	**In-1**	115	7033.0	0.7				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
[>	Sc	45		129.479
|	Cr	52		
L	Cr	53		
[	Ni	58		
|	Ni	60		
|	Ni	62		
|	Cu	63		
|	Cu	65		
|	Zn	66		
|	Zn	67		
|	Zn	68		
|>	Ge	72		119.250
|	As	75		
|	As-1	75		
|	Se	77		
|	Se	78		
|	Br	79		
L	Se	82		
	Kr	83		
	Y	89		
[>	Rh	103		108.068
L	Ag	107		
[	Cd	111		
|	Cd	114		
L>	In	115		90.055
[	Ba	135		
|	Ba	137		
|>	Tb	159		92.294
|	Ho	165		
|	Pb	208		
|	Bi	209		
L	Th	232		
[	Cr-1	52		
|	Cr-1	53		
|	Ni-1	58		
|	Ni-1	60		
|	Ni-1	62		
|	Cu-1	63		
|	Cu-1	65		
|	Zn-1	66		
|	Zn-1	67		
|	Zn-1	68		
|>	Ge-1	72		133.672
|	As-2	75		
L	Se-1	78		
	Y-1	89		
	Rh-1	103		
[	Cd-1	111		
|	Cd-1	114		
L>	In-1	115		147.193

Quantitative Analysis - Summary Report

Sample ID: 04-330-02a 50X

Sample Date/Time: Friday, May 05, 2023 14:23:32
Report Date/Time: Friday, May 05, 2023 14:26:47
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-02a 50X.067

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	367011.4	3.0				ug/L	264715	Standard
	Cr	52	127538.0	2.4	10.8627	0.117	1.1	ug/L	5820	Standard
	Cr	53	23659.3	3.5	18.2714	0.214	1.2	ug/L	292	Standard
	Ni	58	44210.9	21.5	8.8872	1.865	21.0	ug/L	-965	Standard
	Ni	60	16172.5	3.5	8.0654	0.080	1.0	ug/L	18	Standard
	Ni	62	2742.6	0.9	9.2819	0.272	2.9	ug/L	37	Standard
	Cu	63	133205.0	2.2	30.2327	0.631	2.1	ug/L	79	Standard
	Cu	65	62878.8	2.4	29.6748	0.363	1.2	ug/L	33	Standard
	Zn	66	77593.6	2.3	71.1808	0.212	0.3	ug/L	138	Standard
	Zn	67	12238.9	1.8	67.0294	0.675	1.0	ug/L	17	Standard
	Zn	68	53770.7	2.5	69.4852	1.089	1.6	ug/L	124	Standard
>	Ge	72	193752.6	2.6				ug/L	161704	Standard
	As	75	7831.7	3.9	5.8753	0.247	4.2	ug/L	1933	Standard
	As-1	75	5346.9	3.8	5.2575	0.134	2.6	ug/L	2	Standard
	Se	77	866.4	2.2	11.6370	0.585	5.0	ug/L	40	Standard
	Se	78	3325.7	2.9	2.2653	0.431	19.0	ug/L	2324	Standard
	Br	79	39920.7	0.7				ug/L	86	Standard
	Se	82	180.7	5.9	1.0451	0.109	10.4	ug/L	38	Standard
	Kr	83	51.0	5.2				ug/L	43	Standard
	Y	89	467993.3	2.7				ug/L	371443	Standard
>	Rh	103	387239.9	1.4				ug/L	360413	Standard
	Ag	107	2816.3	1.0	0.2187	0.002	0.8	ug/L	366	Standard
	Cd	111	1231.5	3.2	0.4153	0.020	4.9	ug/L	249	Standard
	Cd	114	1546.7	2.6	0.2399	0.005	1.9	ug/L	8	Standard
>	In	115	371833.8	0.9				ug/L	414508	Standard
	Ba	135	111089.9	0.3	46.4585	0.668	1.4	ug/L	23	Standard
	Ba	137	190868.6	0.6	46.5601	0.247	0.5	ug/L	33	Standard
>	Tb	159	438312.0	1.1				ug/L	457622	Standard
	Ho	165	469502.2	0.4				ug/L	489924	Standard
	Pb	208	1424736.3	0.4	30.7956	0.282	0.9	ug/L	453	Standard
	Bi	209	336821.5	0.5				ug/L	380338	Standard
	Th	232	485348.5	1.0				ug/L	490288	Standard
	Cr-1	52	10075.9	1.2	11.3186	0.186	1.6	ug/L	159	KED
	Cr-1	53	1193.0	3.7	10.7951	0.424	3.9	ug/L	19	KED
	Ni-1	58	10446.7	0.5	8.9548	0.092	1.0	ug/L	9	KED
	Ni-1	60	3580.4	2.8	6.9157	0.224	3.2	ug/L	2	KED
	Ni-1	62	573.0	4.8	7.1393	0.349	4.9	ug/L	1	KED
	Cu-1	63	36617.5	0.7	26.0057	0.069	0.3	ug/L	25	KED
	Cu-1	65	18064.4	1.3	26.1701	0.290	1.1	ug/L	9	KED
	Zn-1	66	6012.6	1.8	69.9044	1.515	2.2	ug/L	13	KED
	Zn-1	67	970.4	5.6	67.9286	4.032	5.9	ug/L	1	KED
	Zn-1	68	4606.4	3.7	69.1102	2.280	3.3	ug/L	11	KED
>	Ge-1	72	7422.9	0.5				ug/L	5623	KED
	As-2	75	237.7	7.9	4.7977	0.364	7.6	ug/L	1	KED
	Se-1	78	3.7	83.3	1.0311	1.346	130.5	ug/L	1	KED
	Y-1	89	12726.0	2.0				ug/L	8035	KED
	Rh-1	103	77214.8	0.8				ug/L	66803	KED
	Cd-1	111	49.0	15.4	0.2502	0.051	20.3	ug/L	4	KED

|	**Cd-1**	114	106.9	10.0	**0.2372**	0.021	8.9	ug/L	3 KED
|>	**In-1**	115	6931.8	2.5				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
⌈>	Sc	45		138.644
|	Cr	52		
⌊	Cr	53		
⌈	**Ni**	58		
|	**Ni**	60		
|	**Ni**	62		
|	Cu	63		
|	Cu	65		
|	Zn	66		
|	Zn	67		
|	Zn	68		
|>	Ge	72		119.819
|	As	75		
|	As-1	75		
|	Se	77		
|	Se	78		
|	Br	79		
⌊	Se	82		
	Kr	83		
	Y	89		
⌈>	Rh	103		107.443
⌊	Ag	107		
⌈	Cd	111		
|	Cd	114		
⌊>	In	115		89.705
⌈	Ba	135		
|	Ba	137		
|>	Tb	159		95.780
|	Ho	165		
|	Pb	208		
|	Bi	209		
⌊	Th	232		
⌈	Cr-1	52		
|	Cr-1	53		
|	Ni-1	58		
|	Ni-1	60		
|	Ni-1	62		
|	Cu-1	63		
|	Cu-1	65		
|	Zn-1	66		
|	Zn-1	67		
|	Zn-1	68		
|>	Ge-1	72		132.000
|	As-2	75		
⌊	Se-1	78		
	Y-1	89		
	Rh-1	103		
⌈	Cd-1	111		
|	Cd-1	114		
⌊>	In-1	115		145.075

Quantitative Analysis - Summary Report

Sample ID: 04-330-02aD 50X

Sample Date/Time: Friday, May 05, 2023 14:29:08
Report Date/Time: Friday, May 05, 2023 14:32:22
Method File: C:\NexION Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION Data_kmckinney\DataSet\X230505A\04-330-02aD 50X.068

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	356218.5	1.1				ug/L	264715	Standard
	Cr	52	122105.0	0.5	10.7043	0.130	1.2	ug/L	5820	Standard
	Cr	53	22217.3	1.6	17.6680	0.114	0.6	ug/L	292	Standard
	Ni	58	36946.7	6.7	7.4866	0.378	5.0	ug/L	-965	Standard
	Ni	60	14038.2	0.8	7.0284	0.105	1.5	ug/L	18	Standard
	Ni	62	2336.2	4.0	7.9089	0.199	2.5	ug/L	37	Standard
	Cu	63	118844.7	1.8	27.0686	0.096	0.4	ug/L	79	Standard
	Cu	65	55768.7	2.1	26.4145	0.111	0.4	ug/L	33	Standard
	Zn	66	60823.2	1.7	55.9741	0.070	0.1	ug/L	138	Standard
	Zn	67	9429.1	2.8	51.8010	0.882	1.7	ug/L	17	Standard
	Zn	68	41823.1	2.0	54.2060	0.752	1.4	ug/L	124	Standard
>	Ge	72	193016.8	1.7				ug/L	161704	Standard
	As	75	8079.7	2.4	6.1717	0.059	1.0	ug/L	1933	Standard
	As-1	75	5509.2	3.1	5.4374	0.078	1.4	ug/L	2	Standard
	Se	77	840.4	2.5	11.3025	0.147	1.3	ug/L	40	Standard
	Se	78	3401.7	2.1	2.6337	0.183	6.9	ug/L	2324	Standard
	Br	79	43371.7	0.7				ug/L	86	Standard
	Se	82	171.7	6.5	0.9784	0.065	6.6	ug/L	38	Standard
	Kr	83	50.7	8.2				ug/L	43	Standard
	Y	89	460444.0	1.5				ug/L	371443	Standard
>	Rh	103	386327.9	1.6				ug/L	360413	Standard
	Ag	107	2423.9	0.6	0.1838	0.005	2.6	ug/L	366	Standard
	Cd	111	1139.1	5.7	0.3841	0.025	6.6	ug/L	249	Standard
	Cd	114	1557.8	3.0	0.2453	0.005	1.9	ug/L	8	Standard
>	In	115	366400.1	1.2				ug/L	414508	Standard
	Ba	135	43210.9	1.8	18.4022	0.383	2.1	ug/L	23	Standard
	Ba	137	74039.7	0.7	18.3940	0.163	0.9	ug/L	33	Standard
>	Tb	159	430263.0	0.4				ug/L	457622	Standard
	Ho	165	460994.4	1.3				ug/L	489924	Standard
	Pb	208	1640609.9	0.6	36.1249	0.271	0.8	ug/L	453	Standard
	Bi	209	330745.9	1.0				ug/L	380338	Standard
	Th	232	467474.5	0.8				ug/L	490288	Standard
	Cr-1	52	9611.9	0.4	11.1118	0.123	1.1	ug/L	159	KED
	Cr-1	53	1197.7	2.7	11.1655	0.361	3.2	ug/L	19	KED
	Ni-1	58	8871.2	0.6	7.8277	0.106	1.4	ug/L	9	KED
	Ni-1	60	3123.7	2.9	6.2108	0.198	3.2	ug/L	2	KED
	Ni-1	62	497.7	8.5	6.3867	0.632	9.9	ug/L	1	KED
	Cu-1	63	32477.2	1.3	23.7475	0.561	2.4	ug/L	25	KED
	Cu-1	65	15753.7	1.4	23.4985	0.603	2.6	ug/L	9	KED
	Zn-1	66	4743.5	2.9	56.7264	1.084	1.9	ug/L	13	KED
	Zn-1	67	715.4	4.1	51.5353	2.632	5.1	ug/L	1	KED
	Zn-1	68	3552.8	2.7	54.8496	2.129	3.9	ug/L	11	KED
>	Ge-1	72	7210.5	1.4				ug/L	5623	KED
	As-2	75	252.3	8.0	5.2505	0.483	9.2	ug/L	1	KED
	Se-1	78	2.7	94.4	0.6136	1.119	182.4	ug/L	1	KED
	Y-1	89	12186.9	2.5				ug/L	8035	KED
	Rh-1	103	75707.7	0.3				ug/L	66803	KED
	Cd-1	111	49.0	19.7	0.2572	0.064	24.9	ug/L	4	KED

|	**Cd-1**	114	100.3	4.6	**0.2280**	0.016	7.2	ug/L	3 KED
|>	**In-1**	115	6768.2	2.7				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
[>	Sc	45		134.567
|	Cr	52		
|	Cr	53		
[	Ni	58		
|	Ni	60		
|	Ni	62		
|	Cu	63		
|	Cu	65		
|	Zn	66		
|	Zn	67		
|	Zn	68		
| >	Ge	72		119.364
|	As	75		
|	As-1	75		
|	Se	77		
|	Se	78		
|	Br	79		
|	Se	82		
	Kr	83		
	Y	89		
[>	Rh	103		107.190
|	Ag	107		
[	Cd	111		
|	Cd	114		
|>	In	115		88.394
[	Ba	135		
|	Ba	137		
| >	Tb	159		94.021
|	Ho	165		
|	Pb	208		
|	Bi	209		
|	Th	232		
[	Cr-1	52		
|	Cr-1	53		
|	Ni-1	58		
|	Ni-1	60		
|	Ni-1	62		
|	Cu-1	63		
|	Cu-1	65		
|	Zn-1	66		
|	Zn-1	67		
|	Zn-1	68		
| >	Ge-1	72		128.222
|	As-2	75		
|	Se-1	78		
	Y-1	89		
	Rh-1	103		
[	Cd-1	111		
|	Cd-1	114		
|>	In-1	115		141.651

Quantitative Analysis - Summary Report

Sample ID: 04-330-02aL 250X

Sample Date/Time: Friday, May 05, 2023 14:34:43
Report Date/Time: Friday, May 05, 2023 14:37:57
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-02aL 250X.069

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	353441.3	1.7				ug/L	264715	Standard
	Cr	52	31478.3	1.6	2.2381	0.021	0.9	ug/L	5820	Standard
	Cr	53	5765.2	3.3	4.3859	0.132	3.0	ug/L	292	Standard
	Ni	58	7361.1	9.2	1.6328	0.085	5.2	ug/L	-965	Standard
	Ni	60	3037.7	2.4	1.4714	0.036	2.4	ug/L	18	Standard
	Ni	62	561.7	1.3	1.7356	0.082	4.7	ug/L	37	Standard
	Cu	63	25086.3	1.9	5.5451	0.145	2.6	ug/L	79	Standard
	Cu	65	11935.7	1.7	5.4882	0.092	1.7	ug/L	33	Standard
	Zn	66	14656.5	0.4	13.0155	0.351	2.7	ug/L	138	Standard
	Zn	67	2324.5	2.2	12.3430	0.155	1.3	ug/L	17	Standard
	Zn	68	10292.4	2.1	12.8361	0.129	1.0	ug/L	124	Standard
>	Ge	72	198361.9	3.1				ug/L	161704	Standard
	As	75	3712.3	2.8	1.3972	0.113	8.1	ug/L	1933	Standard
	As-1	75	1016.8	6.8	0.9742	0.036	3.7	ug/L	2	Standard
	Se	77	228.3	2.9	2.4880	0.047	1.9	ug/L	40	Standard
	Se	78	3342.1	3.8	2.0135	0.663	32.9	ug/L	2324	Standard
	Br	79	14029.6	4.1				ug/L	86	Standard
	Se	82	91.3	14.6	0.3362	0.084	25.0	ug/L	38	Standard
	Kr	83	64.0	12.5				ug/L	43	Standard
	Y	89	441138.7	1.1				ug/L	371443	Standard
>	Rh	103	397743.8	0.6				ug/L	360413	Standard
	Ag	107	538.7	7.2	0.0119	0.004	30.9	ug/L	366	Standard
	Cd	111	464.5	4.9	0.0987	0.008	8.3	ug/L	249	Standard
	Cd	114	298.0	12.8	0.0451	0.006	12.5	ug/L	8	Standard
>	In	115	373162.6	0.8				ug/L	414508	Standard
	Ba	135	19942.6	1.1	8.3872	0.033	0.4	ug/L	23	Standard
	Ba	137	34016.5	2.3	8.3461	0.118	1.4	ug/L	33	Standard
>	Tb	159	435403.6	0.9				ug/L	457622	Standard
	Ho	165	467976.6	1.7				ug/L	489924	Standard
	Pb	208	264424.4	1.1	5.7460	0.073	1.3	ug/L	453	Standard
	Bi	209	337495.3	0.9				ug/L	380338	Standard
	Th	232	460971.9	0.1				ug/L	490288	Standard
	Cr-1	52	2028.1	1.8	2.0938	0.013	0.6	ug/L	159	KED
	Cr-1	53	260.7	1.3	2.1889	0.005	0.2	ug/L	19	KED
	Ni-1	58	1893.8	5.6	1.6211	0.095	5.8	ug/L	9	KED
	Ni-1	60	655.7	4.5	1.2655	0.038	3.0	ug/L	2	KED
	Ni-1	62	104.0	2.9	1.2826	0.050	3.9	ug/L	1	KED
	Cu-1	63	6715.6	0.0	4.7670	0.070	1.5	ug/L	25	KED
	Cu-1	65	3236.4	1.1	4.6902	0.019	0.4	ug/L	9	KED
	Zn-1	66	1082.4	6.7	12.4580	0.825	6.6	ug/L	13	KED
	Zn-1	67	168.7	3.6	11.7445	0.391	3.3	ug/L	1	KED
	Zn-1	68	811.7	2.6	12.0399	0.192	1.6	ug/L	11	KED
>	Ge-1	72	7397.6	1.5				ug/L	5623	KED
	As-2	75	42.3	9.8	0.8437	0.095	11.2	ug/L	1	KED
	Se-1	78	1.7	69.3	0.1585	0.520	328.0	ug/L	1	KED
	Y-1	89	11517.3	2.2				ug/L	8035	KED
	Rh-1	103	78404.2	0.9				ug/L	66803	KED
	Cd-1	111	9.3	16.4	0.0196	0.008	41.0	ug/L	4	KED

|	**Cd-1**	114	24.1	45.1	**0.0457**	0.025	55.7	ug/L	3	KED
|>	**In-1**	115	7023.0	2.4				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
[>	Sc	45		133.518
|	Cr	52		
|	Cr	53		
[	Ni	58		
|	Ni	60		
|	Ni	62		
|	Cu	63		
|	Cu	65		
|	Zn	66		
|	Zn	67		
|	Zn	68		
|>	Ge	72		122.670
|	As	75		
|	As-1	75		
|	Se	77		
|	Se	78		
|	Br	79		
|	Se	82		
	Kr	83		
	Y	89		
[>	Rh	103		110.358
|	Ag	107		
[	Cd	111		
|	Cd	114		
|>	In	115		90.025
[	Ba	135		
|	Ba	137		
|>	Tb	159		95.145
|	Ho	165		
|	Pb	208		
|	Bi	209		
|	Th	232		
[	Cr-1	52		
|	Cr-1	53		
|	Ni-1	58		
|	Ni-1	60		
|	Ni-1	62		
|	Cu-1	63		
|	Cu-1	65		
|	Zn-1	66		
|	Zn-1	67		
|	Zn-1	68		
[>	Ge-1	72		131.549
|	As-2	75		
|	Se-1	78		
	Y-1	89		
	Rh-1	103		
[	Cd-1	111		
|	Cd-1	114		
|>	In-1	115		146.985

Quantitative Analysis - Summary Report

Sample ID: 04-330-02aMS 100X

Sample Date/Time: Friday, May 05, 2023 14:40:18
Report Date/Time: Friday, May 05, 2023 14:43:32
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-02aMS 100X.070

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	345901.5	1.5				ug/L	264715	Standard
	Cr	52	263991.5	3.2	24.7266	0.437	1.8	ug/L	5820	Standard
	Cr	53	35508.4	3.0	29.2819	0.463	1.6	ug/L	292	Standard
	Ni	58	126362.0	3.5	25.2036	0.853	3.4	ug/L	-965	Standard
	Ni	60	50451.6	1.8	25.4208	0.438	1.7	ug/L	18	Standard
	Ni	62	7475.6	4.9	25.7855	1.151	4.5	ug/L	37	Standard
	Cu	63	149552.7	3.6	34.2484	0.992	2.9	ug/L	79	Standard
	Cu	65	71106.3	2.4	33.8639	0.423	1.2	ug/L	33	Standard
	Zn	66	55140.9	3.1	50.9930	0.665	1.3	ug/L	138	Standard
	Zn	67	8710.7	3.4	48.1141	1.863	3.9	ug/L	17	Standard
	Zn	68	38509.2	2.4	50.1608	0.830	1.7	ug/L	124	Standard
>	Ge	72	192026.0	2.8				ug/L	161704	Standard
	As	75	25489.9	2.7	24.9306	0.461	1.9	ug/L	1933	Standard
	As-1	75	24086.8	2.3	23.9098	0.350	1.5	ug/L	2	Standard
	Se	77	1931.1	1.7	27.0059	0.294	1.1	ug/L	40	Standard
	Se	78	8384.1	4.0	23.7215	0.566	2.4	ug/L	2324	Standard
	Br	79	27063.6	3.6				ug/L	86	Standard
	Se	82	2664.6	3.2	20.4095	0.117	0.6	ug/L	38	Standard
	Kr	83	53.0	6.8				ug/L	43	Standard
	Y	89	442995.7	2.6				ug/L	371443	Standard
>	Rh	103	384986.4	1.9				ug/L	360413	Standard
	Ag	107	53277.2	2.0	4.8012	0.046	1.0	ug/L	366	Standard
	Cd	111	26050.1	1.1	10.9813	0.090	0.8	ug/L	249	Standard
	Cd	114	66657.0	1.3	10.7230	0.082	0.8	ug/L	8	Standard
>	In	115	360253.8	1.9				ug/L	414508	Standard
	Ba	135	75656.2	2.6	32.9124	0.764	2.3	ug/L	23	Standard
	Ba	137	128036.0	2.2	32.4889	0.317	1.0	ug/L	33	Standard
>	Tb	159	421356.4	2.5				ug/L	457622	Standard
	Ho	165	452726.0	1.6				ug/L	489924	Standard
	Pb	208	3398363.3	1.3	76.4372	1.120	1.5	ug/L	453	Standard
	Bi	209	329316.4	1.0				ug/L	380338	Standard
	Th	232	451655.0	1.3				ug/L	490288	Standard
	Cr-1	52	20859.9	0.8	24.1163	0.345	1.4	ug/L	159	KED
	Cr-1	53	2566.2	2.2	23.9014	0.398	1.7	ug/L	19	KED
	Ni-1	58	26576.8	0.3	23.2021	0.228	1.0	ug/L	9	KED
	Ni-1	60	11212.4	0.9	22.0532	0.112	0.5	ug/L	2	KED
	Ni-1	62	1749.4	1.7	22.2315	0.445	2.0	ug/L	1	KED
	Cu-1	63	40739.0	1.1	29.4547	0.648	2.2	ug/L	25	KED
	Cu-1	65	20067.4	2.1	29.5978	0.943	3.2	ug/L	9	KED
	Zn-1	66	4185.6	1.4	49.4758	1.359	2.7	ug/L	13	KED
	Zn-1	67	683.7	1.0	48.6732	0.732	1.5	ug/L	1	KED
	Zn-1	68	3148.3	0.5	48.0183	0.867	1.8	ug/L	11	KED
>	Ge-1	72	7293.5	1.3				ug/L	5623	KED
	As-2	75	1129.4	3.1	23.2837	0.997	4.3	ug/L	1	KED
	Se-1	78	49.0	10.8	21.2363	2.253	10.6	ug/L	1	KED
	Y-1	89	11701.5	1.0				ug/L	8035	KED
	Rh-1	103	77581.4	0.3				ug/L	66803	KED
	Cd-1	111	1700.4	3.8	9.7627	0.429	4.4	ug/L	4	KED

Cd-1	114	4270.0	1.6	9.8260	0.202	2.1	ug/L	3	KED
In-1	115	6948.0	1.0				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		130.670
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		118.752
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		106.818
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		86.911
	Ba	135		
	Ba	137		
>	Tb	159		92.075
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		129.699
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		145.416

Quantitative Analysis - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Friday, May 05, 2023 14:52:47
Report Date/Time: Friday, May 05, 2023 14:56:02
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\QC Std 6.072

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	359622.0	2.5				ug/L	264715	Standard
	Cr	52	441433.9	3.0	**40.2220**	0.628	1.6	ug/L	5820	Standard
	Cr	53	51368.2	3.1	**40.8767**	0.884	2.2	ug/L	292	Standard
	Ni	58	232070.5	2.1	**42.7935**	0.150	0.4	ug/L	-965	Standard
	Ni	60	92535.3	3.2	**43.2675**	0.623	1.4	ug/L	18	Standard
	Ni	62	13516.1	4.6	**43.3573**	1.270	2.9	ug/L	37	Standard
	Cu	63	202658.3	3.1	**43.0701**	0.429	1.0	ug/L	79	Standard
	Cu	65	95731.7	4.2	**42.3041**	0.938	2.2	ug/L	33	Standard
	Zn	66	47581.5	3.2	**40.8050**	0.462	1.1	ug/L	138	Standard
	Zn	67	8154.3	2.8	**41.7733**	0.574	1.4	ug/L	17	Standard
	Zn	68	34041.9	3.1	**41.1107**	0.554	1.3	ug/L	124	Standard
>	Ge	72	206889.5	2.1				ug/L	161704	Standard
	As	75	44842.2	3.3	**42.2562**	0.598	1.4	ug/L	1933	Standard
	As-1	75	45199.9	3.2	**41.6332**	0.473	1.1	ug/L	2	Standard
	Se	77	3279.0	3.4	**42.9421**	0.954	2.2	ug/L	40	Standard
	Se	78	13914.8	3.3	**42.8401**	1.084	2.5	ug/L	2324	Standard
	Br	79	1590.1	9.3				ug/L	86	Standard
	Se	82	5643.1	2.7	**40.4583**	0.284	0.7	ug/L	38	Standard
	Kr	83	41.3	23.0				ug/L	43	Standard
	Y	89	452828.3	1.9				ug/L	371443	Standard
>	Rh	103	419724.1	1.7				ug/L	360413	Standard
	Ag	107	474136.0	1.6	**39.4458**	0.232	0.6	ug/L	366	Standard
	Cd	111	106763.6	1.7	**42.9243**	0.650	1.5	ug/L	249	Standard
	Cd	114	275191.1	1.6	**41.9643**	0.484	1.2	ug/L	8	Standard
>	In	115	380029.5	0.4				ug/L	414508	Standard
	Ba	135	103353.5	0.9	**42.6975**	0.622	1.5	ug/L	23	Standard
	Ba	137	175716.7	2.2	**42.3379**	0.335	0.8	ug/L	33	Standard
>	Tb	159	443719.8	1.8				ug/L	457622	Standard
	Ho	165	478142.5	1.5				ug/L	489924	Standard
	Pb	208	1817648.8	1.5	**38.8110**	0.119	0.3	ug/L	453	Standard
	Bi	209	352305.6	1.0				ug/L	380338	Standard
	Th	232	471085.4	0.4				ug/L	490288	Standard
	Cr-1	52	35213.4	1.5	**38.3235**	0.494	1.3	ug/L	159	KED
	Cr-1	53	4351.7	3.0	**38.1546**	1.180	3.1	ug/L	19	KED
	Ni-1	58	46111.7	2.6	**37.7632**	0.879	2.3	ug/L	9	KED
	Ni-1	60	20195.9	2.5	**37.2626**	0.867	2.3	ug/L	2	KED
	Ni-1	62	3139.0	1.4	**37.4314**	0.701	1.9	ug/L	1	KED
	Cu-1	63	54627.6	1.9	**37.0459**	0.487	1.3	ug/L	25	KED
	Cu-1	65	27050.6	1.6	**37.4183**	0.373	1.0	ug/L	9	KED
	Zn-1	66	3687.5	1.4	**40.8396**	0.412	1.0	ug/L	13	KED
	Zn-1	67	582.3	2.5	**38.8643**	1.151	3.0	ug/L	1	KED
	Zn-1	68	2853.3	2.9	**40.7854**	1.359	3.3	ug/L	11	KED
>	Ge-1	72	7775.4	0.6				ug/L	5623	KED
	As-2	75	2132.5	1.5	**41.2401**	0.707	1.7	ug/L	1	KED
	Se-1	78	117.0	11.2	**48.2808**	5.292	11.0	ug/L	1	KED
	Y-1	89	11924.3	0.5				ug/L	8035	KED
	Rh-1	103	83819.9	0.7				ug/L	66803	KED
	Cd-1	111	7390.9	3.3	**39.3448**	1.630	4.1	ug/L	4	KED

|	**Cd-1**	114	18193.3	1.1	**38.7429**	0.387	1.0	ug/L	3 KED
|>	**In-1**	115	7513.0	0.9				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
[>	Sc	45		135.853
|	Cr	52		
L	Cr	53		
[	Ni	58		
|	Ni	60		
|	Ni	62		
|	Cu	63		
|	Cu	65		
|	Zn	66		
|	Zn	67		
|	Zn	68		
|>	Ge	72		127.943
|	As	75		
|	As-1	75		
|	Se	77		
|	Se	78		
|	Br	79		
L	Se	82		
	Kr	83		
	Y	89		
[>	Rh	103		116.457
L	Ag	107		
[	Cd	111		
|	Cd	114		
L>	In	115		91.682
[	Ba	135		
|	Ba	137		
|>	Tb	159		96.962
|	Ho	165		
|	Pb	208		
|	Bi	209		
L	Th	232		
[	Cr-1	52		
|	Cr-1	53		
|	Ni-1	58		
|	Ni-1	60		
|	Ni-1	62		
|	Cu-1	63		
|	Cu-1	65		
|	Zn-1	66		
|	Zn-1	67		
|	Zn-1	68		
|>	Ge-1	72		138.269
|	As-2	75		
L	Se-1	78		
	Y-1	89		
	Rh-1	103		
[	Cd-1	111		
|	Cd-1	114		
L>	In-1	115		157.241

Quantitative Analysis - Summary Report

Sample ID: QC Std 8

Sample Date/Time: Friday, May 05, 2023 14:58:23
Report Date/Time: Friday, May 05, 2023 15:01:38
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\QC Std 8.073

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	357030.0	2.6				ug/L	264715	Standard
	Cr	52	7373.9	0.7	-0.0440	0.023	51.2	ug/L	5820	Standard
	Cr	53	778.4	5.7	0.3104	0.024	7.9	ug/L	292	Standard
	Ni	58	-1122.9	10.0	0.0196	0.016	83.7	ug/L	-965	Standard
	Ni	60	25.3	9.9	0.0009	0.001	123.6	ug/L	18	Standard
	Ni	62	64.3	2.4	0.0558	0.009	16.3	ug/L	37	Standard
	Cu	63	119.3	17.9	0.0039	0.005	120.5	ug/L	79	Standard
	Cu	65	55.7	14.4	0.0061	0.004	63.3	ug/L	33	Standard
	Zn	66	191.7	10.7	0.0136	0.014	104.4	ug/L	138	Standard
	Zn	67	31.7	17.4	0.0492	0.025	51.1	ug/L	17	Standard
	Zn	68	168.7	6.6	0.0130	0.009	72.9	ug/L	124	Standard
>	Ge	72	205894.2	2.1				ug/L	161704	Standard
	As	75	2744.1	0.4	0.2848	0.052	18.4	ug/L	1933	Standard
	As-1	75	14.5	159.0	0.0116	0.021	184.5	ug/L	2	Standard
	Se	77	70.3	10.9	0.2589	0.094	36.5	ug/L	40	Standard
	Se	78	3265.4	1.0	1.2066	0.199	16.5	ug/L	2324	Standard
	Br	79	939.0	4.6				ug/L	86	Standard
	Se	82	45.7	15.4	-0.0193	0.055	283.9	ug/L	38	Standard
	Kr	83	43.0	16.3				ug/L	43	Standard
	Y	89	434006.3	3.3				ug/L	371443	Standard
>	Rh	103	407674.7	2.3				ug/L	360413	Standard
	Ag	107	1445.7	13.6	0.0882	0.014	16.0	ug/L	366	Standard
	Cd	111	294.7	2.8	0.0271	0.002	5.8	ug/L	249	Standard
	Cd	114	13.4	14.5	0.0009	0.000	29.0	ug/L	8	Standard
>	In	115	378955.5	1.8				ug/L	414508	Standard
	Ba	135	28.3	27.4	0.0024	0.003	133.1	ug/L	23	Standard
	Ba	137	42.7	15.6	0.0027	0.002	59.4	ug/L	33	Standard
>	Tb	159	443009.7	1.1				ug/L	457622	Standard
	Ho	165	474929.4	1.1				ug/L	489924	Standard
	Pb	208	750.3	6.7	0.0067	0.001	14.0	ug/L	453	Standard
	Bi	209	349312.8	0.2				ug/L	380338	Standard
	Th	232	467238.6	0.1				ug/L	490288	Standard
	Cr-1	52	175.0	3.7	-0.0475	0.009	18.7	ug/L	159	KED
	Cr-1	53	24.0	16.7	-0.0141	0.037	258.5	ug/L	19	KED
	Ni-1	58	11.9	12.4	0.0001	0.001	1575.3	ug/L	9	KED
	Ni-1	60	5.7	40.8	0.0046	0.004	92.9	ug/L	2	KED
	Ni-1	62	0.7	86.6	-0.0140	0.007	49.4	ug/L	1	KED
	Cu-1	63	34.3	16.0	-0.0003	0.004	1325.8	ug/L	25	KED
	Cu-1	65	15.0	17.6	0.0030	0.004	115.6	ug/L	9	KED
	Zn-1	66	12.0	38.2	-0.0703	0.053	74.8	ug/L	13	KED
	Zn-1	67	1.7	91.7	-0.0105	0.103	983.0	ug/L	1	KED
	Zn-1	68	9.3	6.2	-0.0833	0.009	11.2	ug/L	11	KED
>	Ge-1	72	7713.7	0.9				ug/L	5623	KED
	As-2	75	2.7	43.3	0.0341	0.022	64.6	ug/L	1	KED
	Se-1	78	1.0	0.0	-0.1565	0.004	2.3	ug/L	1	KED
	Y-1	89	11657.1	1.9				ug/L	8035	KED
	Rh-1	103	82403.3	0.2				ug/L	66803	KED
	Cd-1	111	3.0	33.3	-0.0175	0.005	28.0	ug/L	4	KED

	Cd-1	114	3.2	47.6	**-0.0025**	0.003	139.3	ug/L	3 KED
>	**In-1**	115	7449.1	3.0				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		134.873
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		127.328
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		113.113
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		91.423
	Ba	135		
	Ba	137		
>	Tb	159		96.807
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		137.171
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		155.902

Quantitative Analysis - Summary Report

Sample ID: 04-330-02aMSD 100X

Sample Date/Time: Friday, May 05, 2023 15:03:59
Report Date/Time: Friday, May 05, 2023 15:07:13
Method File: C:\NexION Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION Data_kmckinney\DataSet\X230505A\04-330-02aMSD 100X.074

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	349891.7	2.7				ug/L	264715	Standard
	Cr	52	267942.2	1.7	24.8222	0.307	1.2	ug/L	5820	Standard
	Cr	53	34582.1	1.3	28.1925	0.412	1.5	ug/L	292	Standard
	Ni	58	129914.2	3.9	25.8781	0.776	3.0	ug/L	-965	Standard
	Ni	60	51081.9	2.1	25.7165	0.637	2.5	ug/L	18	Standard
	Ni	62	7395.2	3.7	25.4918	1.150	4.5	ug/L	37	Standard
	Cu	63	117506.7	1.4	26.8917	0.873	3.2	ug/L	79	Standard
	Cu	65	55757.9	1.3	26.5308	0.462	1.7	ug/L	33	Standard
	Zn	66	55970.2	2.9	51.7143	0.329	0.6	ug/L	138	Standard
	Zn	67	8701.0	2.8	48.0072	1.130	2.4	ug/L	17	Standard
	Zn	68	38371.8	1.3	49.9453	1.105	2.2	ug/L	124	Standard
>	Ge	72	192191.0	2.5				ug/L	161704	Standard
	As	75	24839.8	3.4	24.2041	0.472	1.9	ug/L	1933	Standard
	As-1	75	23476.1	3.6	23.2779	0.473	2.0	ug/L	2	Standard
	Se	77	1840.5	2.2	25.6794	0.137	0.5	ug/L	40	Standard
	Se	78	8158.3	2.0	22.7546	0.823	3.6	ug/L	2324	Standard
	Br	79	19401.2	0.8				ug/L	86	Standard
	Se	82	2593.6	3.0	19.8454	0.649	3.3	ug/L	38	Standard
	Kr	83	41.7	1.4				ug/L	43	Standard
	Y	89	442691.1	1.7				ug/L	371443	Standard
>	Rh	103	384107.1	1.1				ug/L	360413	Standard
	Ag	107	53474.3	1.9	4.8300	0.062	1.3	ug/L	366	Standard
	Cd	111	25001.2	0.1	10.6210	0.106	1.0	ug/L	249	Standard
	Cd	114	63532.3	1.1	10.3022	0.073	0.7	ug/L	8	Standard
>	In	115	357362.7	1.0				ug/L	414508	Standard
	Ba	135	79560.9	0.6	34.5441	0.254	0.7	ug/L	23	Standard
	Ba	137	136090.5	0.8	34.4681	0.178	0.5	ug/L	33	Standard
>	Tb	159	422115.3	0.6				ug/L	457622	Standard
	Ho	165	450452.3	0.9				ug/L	489924	Standard
	Pb	208	2750863.6	0.1	61.7481	0.359	0.6	ug/L	453	Standard
	Bi	209	324158.0	0.7				ug/L	380338	Standard
	Th	232	450134.5	0.5				ug/L	490288	Standard
	Cr-1	52	20852.5	1.0	24.1020	0.066	0.3	ug/L	159	KED
	Cr-1	53	2558.9	2.1	23.8278	0.305	1.3	ug/L	19	KED
	Ni-1	58	26249.5	0.2	22.9128	0.243	1.1	ug/L	9	KED
	Ni-1	60	10784.1	1.1	21.2087	0.363	1.7	ug/L	2	KED
	Ni-1	62	1686.1	0.9	21.4236	0.413	1.9	ug/L	1	KED
	Cu-1	63	31223.4	0.6	22.5642	0.319	1.4	ug/L	25	KED
	Cu-1	65	15515.8	0.8	22.8740	0.392	1.7	ug/L	9	KED
	Zn-1	66	4272.0	2.1	50.4928	1.596	3.2	ug/L	13	KED
	Zn-1	67	692.0	3.3	49.2669	1.961	4.0	ug/L	1	KED
	Zn-1	68	3236.4	1.6	49.3556	0.939	1.9	ug/L	11	KED
>	Ge-1	72	7294.5	1.0				ug/L	5623	KED
	As-2	75	1118.4	1.7	23.0498	0.629	2.7	ug/L	1	KED
	Se-1	78	57.7	8.9	25.1017	2.318	9.2	ug/L	1	KED
	Y-1	89	11744.5	2.1				ug/L	8035	KED
	Rh-1	103	75931.6	1.4				ug/L	66803	KED
	Cd-1	111	1645.4	3.4	9.4496	0.373	3.9	ug/L	4	KED

	Cd-1	114	4020.8	1.6	**9.2548**	0.080	0.9	ug/L	3 KED
>	**In-1**	115	6945.0	0.8				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		132.177
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		118.854
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		106.574
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		86.214
	Ba	135		
	Ba	137		
>	Tb	159		92.241
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		129.716
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		145.352

Quantitative Analysis - Summary Report

Sample ID: 04-330-02aPS 50X

Sample Date/Time: Friday, May 05, 2023 15:09:34
Report Date/Time: Friday, May 05, 2023 15:12:49
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-02aPS 50X.075

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	367006.0	2.0				ug/L	264715	Standard
	Cr	52	545758.0	3.1	**48.8861**	1.366	2.8	ug/L	5820	Standard
	Cr	53	71295.9	2.6	**55.7136**	1.548	2.8	ug/L	292	Standard
	Ni	58	265587.6	2.1	**52.3660**	0.652	1.2	ug/L	-965	Standard
	Ni	60	103881.4	3.9	**51.9822**	1.118	2.1	ug/L	18	Standard
	Ni	62	15431.3	3.8	**53.0159**	1.011	1.9	ug/L	37	Standard
	Cu	63	321226.9	3.5	**73.0831**	1.559	2.1	ug/L	79	Standard
	Cu	65	151429.3	2.5	**71.6473**	0.330	0.5	ug/L	33	Standard
	Zn	66	121048.7	1.2	**111.3945**	1.027	0.9	ug/L	138	Standard
	Zn	67	19730.6	2.2	**108.3721**	1.812	1.7	ug/L	17	Standard
	Zn	68	84946.8	1.3	**110.1425**	1.404	1.3	ug/L	124	Standard
>	Ge	72	193306.4	2.0				ug/L	161704	Standard
	As	75	47285.1	2.9	**48.0094**	0.581	1.2	ug/L	1933	Standard
	As-1	75	47547.0	2.4	**46.8775**	0.229	0.5	ug/L	2	Standard
	Se	77	3803.8	2.2	**53.5113**	2.189	4.1	ug/L	40	Standard
	Se	78	13358.2	1.5	**44.3455**	0.458	1.0	ug/L	2324	Standard
	Br	79	37497.5	1.7				ug/L	86	Standard
	Se	82	5380.3	1.8	**41.3063**	1.124	2.7	ug/L	38	Standard
	Kr	83	52.0	5.1				ug/L	43	Standard
	Y	89	473165.7	1.9				ug/L	371443	Standard
>	Rh	103	384009.5	1.5				ug/L	360413	Standard
	Ag	107	404544.9	3.9	**36.7752**	0.918	2.5	ug/L	366	Standard
	Cd	111	101663.2	1.3	**42.9881**	0.382	0.9	ug/L	249	Standard
	Cd	114	262696.3	1.6	**42.1307**	0.373	0.9	ug/L	8	Standard
>	In	115	361347.6	1.1				ug/L	414508	Standard
	Ba	135	207187.1	1.3	**89.4217**	1.835	2.1	ug/L	23	Standard
	Ba	137	354082.1	1.2	**89.1390**	1.315	1.5	ug/L	33	Standard
>	Tb	159	424751.6	0.8				ug/L	457622	Standard
	Ho	165	456312.7	1.1				ug/L	489924	Standard
	Pb	208	3060015.1	0.5	**68.2617**	0.215	0.3	ug/L	453	Standard
	Bi	209	324561.8	0.2				ug/L	380338	Standard
	Th	232	466569.2	1.1				ug/L	490288	Standard
	Cr-1	52	43107.9	0.8	**49.0305**	1.272	2.6	ug/L	159	KED
	Cr-1	53	5416.0	1.6	**49.6187**	1.035	2.1	ug/L	19	KED
	Ni-1	58	54392.0	0.8	**46.4931**	1.246	2.7	ug/L	9	KED
	Ni-1	60	22570.1	0.6	**43.4607**	0.974	2.2	ug/L	2	KED
	Ni-1	62	3567.1	0.7	**44.3906**	0.882	2.0	ug/L	1	KED
	Cu-1	63	86506.8	1.3	**61.2432**	1.634	2.7	ug/L	25	KED
	Cu-1	65	42357.0	1.4	**61.1678**	1.977	3.2	ug/L	9	KED
	Zn-1	66	9422.4	1.8	**109.2489**	2.980	2.7	ug/L	13	KED
	Zn-1	67	1534.4	5.8	**107.0910**	7.060	6.6	ug/L	1	KED
	Zn-1	68	7108.8	1.6	**106.3664**	1.508	1.4	ug/L	11	KED
>	Ge-1	72	7452.6	1.9				ug/L	5623	KED
	As-2	75	2180.2	1.5	**43.9900**	0.162	0.4	ug/L	1	KED
	Se-1	78	112.0	10.3	**48.2550**	5.305	11.0	ug/L	1	KED
	Y-1	89	12748.4	1.8				ug/L	8035	KED
	Rh-1	103	77177.9	1.0				ug/L	66803	KED
	Cd-1	111	6806.3	1.1	**38.8959**	0.286	0.7	ug/L	4	KED

|	**Cd-1**	114	16943.5	1.3	**38.7411**	0.244	0.6	ug/L	3 KED
|>	**In-1**	115	6997.0	1.0				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
[>	Sc	45		138.642
|	Cr	52		
|	Cr	53		
[	Ni	58		
|	Ni	60		
|	Ni	62		
|	Cu	63		
|	Cu	65		
|	Zn	66		
|	Zn	67		
|	Zn	68		
|>	Ge	72		119.543
|	As	75		
|	As-1	75		
|	Se	77		
|	Se	78		
|	Br	79		
|	Se	82		
	Kr	83		
	Y	89		
[>	Rh	103		106.547
|	Ag	107		
[	Cd	111		
|	Cd	114		
|>	In	115		87.175
[	Ba	135		
|	Ba	137		
|>	Tb	159		92.817
|	Ho	165		
|	Pb	208		
|	Bi	209		
|	Th	232		
[	Cr-1	52		
|	Cr-1	53		
|	Ni-1	58		
|	Ni-1	60		
|	Ni-1	62		
|	Cu-1	63		
|	Cu-1	65		
|	Zn-1	66		
|	Zn-1	67		
|	Zn-1	68		
|>	Ge-1	72		132.528
|	As-2	75		
|	Se-1	78		
	Y-1	89		
	Rh-1	103		
[	Cd-1	111		
|	Cd-1	114		
|>	In-1	115		146.441

Quantitative Analysis - Summary Report

Sample ID: 04-330-01a 50X

Sample Date/Time: Friday, May 05, 2023 15:15:10
Report Date/Time: Friday, May 05, 2023 15:18:25
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-01a 50X.076

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	357191.7	1.8				ug/L	264715	Standard
	Cr	52	43973.6	2.4	3.3738	0.043	1.3	ug/L	5820	Standard
	Cr	53	12108.8	1.9	9.4582	0.056	0.6	ug/L	292	Standard
	Ni	58	14025.1	20.2	3.0386	0.503	16.6	ug/L	-965	Standard
	Ni	60	9770.3	2.6	4.9978	0.060	1.2	ug/L	18	Standard
	Ni	62	950.7	2.9	3.2037	0.118	3.7	ug/L	37	Standard
	Cu	63	46023.0	1.7	10.7063	0.059	0.6	ug/L	79	Standard
	Cu	65	22073.7	1.7	10.6809	0.090	0.8	ug/L	33	Standard
	Zn	66	24236.5	1.6	22.7184	0.151	0.7	ug/L	138	Standard
	Zn	67	3846.5	3.0	21.5415	0.362	1.7	ug/L	17	Standard
	Zn	68	16797.2	2.2	22.1466	0.024	0.1	ug/L	124	Standard
>	Ge	72	188767.7	2.3				ug/L	161704	Standard
	As	75	5186.9	1.6	3.2051	0.070	2.2	ug/L	1933	Standard
	As-1	75	2751.4	2.5	2.7779	0.125	4.5	ug/L	2	Standard
	Se	77	1023.7	0.3	14.2521	0.372	2.6	ug/L	40	Standard
	Se	78	3161.4	4.1	1.9198	0.254	13.2	ug/L	2324	Standard
	Br	79	27385.2	1.2				ug/L	86	Standard
	Se	82	138.3	5.8	0.7460	0.085	11.4	ug/L	38	Standard
	Kr	83	47.3	6.1				ug/L	43	Standard
	Y	89	436742.0	2.1				ug/L	371443	Standard
>	Rh	103	368106.7	1.2				ug/L	360413	Standard
	Ag	107	1288.4	6.7	0.0868	0.007	7.8	ug/L	366	Standard
	Cd	111	687.7	3.7	0.2077	0.013	6.4	ug/L	249	Standard
	Cd	114	745.0	2.2	0.1217	0.002	1.3	ug/L	8	Standard
>	In	115	351593.1	1.1				ug/L	414508	Standard
	Ba	135	22411.2	0.6	9.7503	0.084	0.9	ug/L	23	Standard
	Ba	137	38595.7	0.7	9.7964	0.067	0.7	ug/L	33	Standard
>	Tb	159	420971.2	0.3				ug/L	457622	Standard
	Ho	165	453517.5	0.7				ug/L	489924	Standard
	Pb	208	222806.9	0.4	5.0062	0.030	0.6	ug/L	453	Standard
	Bi	209	304230.5	1.0				ug/L	380338	Standard
	Th	232	455465.8	0.8				ug/L	490288	Standard
	Cr-1	52	2984.3	0.6	3.3541	0.106	3.2	ug/L	159	KED
	Cr-1	53	386.3	2.4	3.5186	0.031	0.9	ug/L	19	KED
	Ni-1	58	3274.4	4.2	2.9387	0.077	2.6	ug/L	9	KED
	Ni-1	60	1081.0	2.1	2.1888	0.098	4.5	ug/L	2	KED
	Ni-1	62	163.0	13.0	2.1153	0.264	12.5	ug/L	1	KED
	Cu-1	63	12043.4	1.7	8.9632	0.148	1.7	ug/L	25	KED
	Cu-1	65	5954.6	1.8	9.0439	0.141	1.6	ug/L	9	KED
	Zn-1	66	1837.8	1.7	22.2889	0.377	1.7	ug/L	13	KED
	Zn-1	67	291.3	6.0	21.3254	1.361	6.4	ug/L	1	KED
	Zn-1	68	1344.1	3.8	21.0141	0.601	2.9	ug/L	11	KED
>	Ge-1	72	7072.4	2.4				ug/L	5623	KED
	As-2	75	115.0	12.8	2.4338	0.365	15.0	ug/L	1	KED
	Se-1	78	6.0	28.9	2.1885	0.855	39.1	ug/L	1	KED
	Y-1	89	11681.1	2.4				ug/L	8035	KED
	Rh-1	103	74249.8	0.6				ug/L	66803	KED
	Cd-1	111	22.7	28.4	0.0990	0.040	40.2	ug/L	4	KED

	Cd-1	114	49.8	6.7	**0.1066**	0.008	7.1	ug/L	3 KED
>	**In-1**	115	6866.6	1.6				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		134.935
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		116.737
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		102.135
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		84.822
	Ba	135		
	Ba	137		
>	Tb	159		91.991
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		125.767
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		143.710

Quantitative Analysis - Summary Report

Sample ID: 04-330-03a 50X

Sample Date/Time: Friday, May 05, 2023 15:20:46
Report Date/Time: Friday, May 05, 2023 15:24:01
Method File: C:\NexION Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION Data_kmckinney\DataSet\X230505A\04-330-03a 50X.077

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	368621.2	3.3				ug/L	264715	Standard
	Cr	52	112082.7	1.8	9.4153	0.200	2.1	ug/L	5820	Standard
	Cr	53	19856.5	2.2	15.2243	0.483	3.2	ug/L	292	Standard
	Ni	58	37542.1	10.3	7.5536	0.589	7.8	ug/L	-965	Standard
	Ni	60	13670.2	2.0	6.8011	0.025	0.4	ug/L	18	Standard
	Ni	62	2286.8	4.1	7.6900	0.148	1.9	ug/L	37	Standard
	Cu	63	130122.6	2.7	29.4559	0.183	0.6	ug/L	79	Standard
	Cu	65	61815.5	1.7	29.1048	0.168	0.6	ug/L	33	Standard
	Zn	66	56825.1	0.6	51.9767	0.889	1.7	ug/L	138	Standard
	Zn	67	8865.1	1.3	48.4106	0.867	1.8	ug/L	17	Standard
	Zn	68	39269.6	2.1	50.5715	0.199	0.4	ug/L	124	Standard
>	Ge	72	194207.6	2.3				ug/L	161704	Standard
	As	75	8128.4	3.0	6.1746	0.349	5.7	ug/L	1933	Standard
	As-1	75	5570.2	3.2	5.4665	0.211	3.9	ug/L	2	Standard
	Se	77	744.7	5.8	9.8708	0.459	4.6	ug/L	40	Standard
	Se	78	3404.4	3.9	2.5640	0.703	27.4	ug/L	2324	Standard
	Br	79	34902.6	1.7				ug/L	86	Standard
	Se	82	178.3	13.3	1.0219	0.173	16.9	ug/L	38	Standard
	Kr	83	48.7	11.3				ug/L	43	Standard
	Y	89	464634.1	2.8				ug/L	371443	Standard
>	Rh	103	385013.7	1.9				ug/L	360413	Standard
	Ag	107	2179.2	1.5	0.1623	0.002	1.2	ug/L	366	Standard
	Cd	111	1213.7	1.0	0.4220	0.010	2.4	ug/L	249	Standard
	Cd	114	1415.6	4.0	0.2257	0.006	2.5	ug/L	8	Standard
>	In	115	361702.9	1.5				ug/L	414508	Standard
	Ba	135	29253.3	0.6	12.5611	0.101	0.8	ug/L	23	Standard
	Ba	137	50411.1	0.6	12.6286	0.163	1.3	ug/L	33	Standard
>	Tb	159	426628.9	0.7				ug/L	457622	Standard
	Ho	165	454458.0	0.7				ug/L	489924	Standard
	Pb	208	1099972.7	0.6	24.4241	0.200	0.8	ug/L	453	Standard
	Bi	209	326966.1	0.3				ug/L	380338	Standard
	Th	232	467082.5	1.0				ug/L	490288	Standard
	Cr-1	52	8433.5	0.7	9.4346	0.119	1.3	ug/L	159	KED
	Cr-1	53	1041.7	1.8	9.3984	0.277	2.9	ug/L	19	KED
	Ni-1	58	8503.9	3.4	7.2863	0.175	2.4	ug/L	9	KED
	Ni-1	60	2907.3	3.5	5.6128	0.124	2.2	ug/L	2	KED
	Ni-1	62	429.7	2.3	5.3499	0.214	4.0	ug/L	1	KED
	Cu-1	63	34878.2	1.8	24.7727	0.620	2.5	ug/L	25	KED
	Cu-1	65	17185.7	1.8	24.8989	0.566	2.3	ug/L	9	KED
	Zn-1	66	4328.0	2.3	50.2523	0.482	1.0	ug/L	13	KED
	Zn-1	67	668.0	3.5	46.7060	0.767	1.6	ug/L	1	KED
	Zn-1	68	3301.4	2.3	49.4693	0.639	1.3	ug/L	11	KED
>	Ge-1	72	7423.6	2.0				ug/L	5623	KED
	As-2	75	270.3	7.0	5.4664	0.489	8.9	ug/L	1	KED
	Se-1	78	3.3	62.4	0.8929	0.932	104.4	ug/L	1	KED
	Y-1	89	12525.5	1.8				ug/L	8035	KED
	Rh-1	103	76793.2	1.5				ug/L	66803	KED
	Cd-1	111	47.0	4.3	0.2354	0.010	4.3	ug/L	4	KED

	Cd-1	114	109.0	11.4	**0.2400**	0.029	12.3	ug/L	3 KED
>	**In-1**	115	6993.0	0.6				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		139.252
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		120.101
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		106.826
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		87.261
	Ba	135		
	Ba	137		
>	Tb	159		93.227
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		132.012
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		146.357

Quantitative Analysis - Summary Report

Sample ID: 04-330-04a 50X

Sample Date/Time: Friday, May 05, 2023 15:26:22
Report Date/Time: Friday, May 05, 2023 15:29:37
Method File: C:\NexION Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION Data_kmckinney\DataSet\X230505A\04-330-04a 50X.078

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	344422.8	2.5				ug/L	264715	Standard
	Cr	52	37924.0	2.9	**2.9402**	0.043	1.5	ug/L	5820	Standard
	Cr	53	12040.4	4.1	**9.7615**	0.224	2.3	ug/L	292	Standard
	Ni	58	9562.2	12.1	**2.2215**	0.249	11.2	ug/L	-965	Standard
	Ni	60	9585.9	4.3	**5.0869**	0.149	2.9	ug/L	18	Standard
	Ni	62	667.7	6.4	**2.2903**	0.076	3.3	ug/L	37	Standard
	Cu	63	40583.6	3.6	**9.7902**	0.066	0.7	ug/L	79	Standard
	Cu	65	19341.1	3.5	**9.7092**	0.359	3.7	ug/L	33	Standard
	Zn	66	24724.7	3.1	**24.0504**	0.345	1.4	ug/L	138	Standard
	Zn	67	3839.8	1.9	**22.3200**	0.415	1.9	ug/L	17	Standard
	Zn	68	17047.8	3.1	**23.3282**	0.242	1.0	ug/L	124	Standard
>	Ge	72	181978.3	3.4				ug/L	161704	Standard
	As	75	4418.0	2.5	**2.5467**	0.173	6.8	ug/L	1933	Standard
	As-1	75	1961.1	1.4	**2.0535**	0.075	3.7	ug/L	2	Standard
	Se	77	1108.4	4.3	**16.0807**	0.148	0.9	ug/L	40	Standard
	Se	78	3134.3	3.2	**2.3177**	0.570	24.6	ug/L	2324	Standard
	Br	79	22234.3	3.1				ug/L	86	Standard
	Se	82	118.0	7.2	**0.6208**	0.101	16.3	ug/L	38	Standard
	Kr	83	46.3	17.3				ug/L	43	Standard
	Y	89	415499.4	3.1				ug/L	371443	Standard
>	Rh	103	353658.7	1.9				ug/L	360413	Standard
	Ag	107	709.4	9.6	**0.0346**	0.006	17.3	ug/L	366	Standard
	Cd	111	574.4	11.1	**0.1663**	0.025	15.2	ug/L	249	Standard
	Cd	114	564.2	6.1	**0.0949**	0.004	4.7	ug/L	8	Standard
>	In	115	340292.9	1.4				ug/L	414508	Standard
	Ba	135	24509.7	1.0	**10.9859**	0.127	1.2	ug/L	23	Standard
	Ba	137	41889.0	1.3	**10.9535**	0.106	1.0	ug/L	33	Standard
>	Tb	159	408652.9	0.5				ug/L	457622	Standard
	Ho	165	442373.0	0.6				ug/L	489924	Standard
	Pb	208	240258.1	0.1	**5.5621**	0.021	0.4	ug/L	453	Standard
	Bi	209	298969.8	0.8				ug/L	380338	Standard
	Th	232	441815.0	0.9				ug/L	490288	Standard
	Cr-1	52	2586.6	3.0	**2.9080**	0.086	2.9	ug/L	159	KED
	Cr-1	53	314.7	1.0	**2.8576**	0.040	1.4	ug/L	19	KED
	Ni-1	58	2274.4	3.4	**2.0623**	0.103	5.0	ug/L	9	KED
	Ni-1	60	794.7	5.1	**1.6254**	0.111	6.9	ug/L	2	KED
	Ni-1	62	124.7	10.2	**1.6311**	0.165	10.1	ug/L	1	KED
	Cu-1	63	10821.4	1.9	**8.1405**	0.216	2.7	ug/L	25	KED
	Cu-1	65	5336.3	0.7	**8.1927**	0.149	1.8	ug/L	9	KED
	Zn-1	66	1904.1	1.3	**23.3589**	0.556	2.4	ug/L	13	KED
	Zn-1	67	324.3	3.7	**24.0185**	1.117	4.6	ug/L	1	KED
	Zn-1	68	1471.7	0.4	**23.2916**	0.318	1.4	ug/L	11	KED
>	Ge-1	72	6995.4	1.8				ug/L	5623	KED
	As-2	75	68.3	16.3	**1.4528**	0.249	17.1	ug/L	1	KED
	Se-1	78	2.7	21.7	**0.6603**	0.266	40.3	ug/L	1	KED
	Y-1	89	11524.0	1.1				ug/L	8035	KED
	Rh-1	103	72595.0	1.1				ug/L	66803	KED
	Cd-1	111	16.7	12.5	**0.0644**	0.015	22.9	ug/L	4	KED

	Cd-1	114	45.6	7.2	**0.0976**	0.009	9.7	ug/L	3 KED
>	In-1	115	6827.8	2.5				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		130.111
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		112.538
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		98.126
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		82.096
	Ba	135		
	Ba	137		
>	Tb	159		89.299
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		124.397
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		142.898

Quantitative Analysis - Summary Report

Sample ID: 04-330-05a 50X

Sample Date/Time: Friday, May 05, 2023 15:31:58
Report Date/Time: Friday, May 05, 2023 15:35:13
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\04-330-05a 50X.079

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	329352.7	1.7				ug/L	264715	Standard
	Cr	52	40498.0	2.0	**3.3690**	0.021	0.6	ug/L	5820	Standard
	Cr	53	10129.3	2.6	**8.5505**	0.096	1.1	ug/L	292	Standard
	Ni	58	14896.1	16.9	**3.3639**	0.430	12.8	ug/L	-965	Standard
	Ni	60	8736.3	5.0	**4.6948**	0.181	3.9	ug/L	18	Standard
	Ni	62	898.0	8.0	**3.1775**	0.246	7.7	ug/L	37	Standard
	Cu	63	85422.7	2.1	**20.9040**	0.288	1.4	ug/L	79	Standard
	Cu	65	40667.5	2.9	**20.6933**	0.196	0.9	ug/L	33	Standard
	Zn	66	21846.7	2.5	**21.5131**	0.460	2.1	ug/L	138	Standard
	Zn	67	3428.7	2.1	**20.1747**	0.257	1.3	ug/L	17	Standard
	Zn	68	15309.9	2.8	**21.2036**	0.167	0.8	ug/L	124	Standard
>	Ge	72	179658.5	3.3				ug/L	161704	Standard
	As	75	6486.9	4.1	**4.9855**	0.200	4.0	ug/L	1933	Standard
	As-1	75	3916.7	6.5	**4.1507**	0.150	3.6	ug/L	2	Standard
	Se	77	848.0	3.8	**12.3169**	0.515	4.2	ug/L	40	Standard
	Se	78	3267.7	2.4	**3.1009**	0.570	18.4	ug/L	2324	Standard
	Br	79	26970.1	1.7				ug/L	86	Standard
	Se	82	119.0	17.7	**0.6365**	0.143	22.5	ug/L	38	Standard
	Kr	83	47.3	10.4				ug/L	43	Standard
	Y	89	399202.8	2.7				ug/L	371443	Standard
>	Rh	103	344153.4	2.2				ug/L	360413	Standard
	Ag	107	543.3	4.3	**0.0197**	0.002	8.4	ug/L	366	Standard
	Cd	111	554.4	6.1	**0.1616**	0.011	7.1	ug/L	249	Standard
	Cd	114	532.9	5.4	**0.0912**	0.006	6.5	ug/L	8	Standard
>	In	115	334748.2	2.1				ug/L	414508	Standard
	Ba	135	28263.9	2.0	**12.9185**	0.065	0.5	ug/L	23	Standard
	Ba	137	48563.4	0.8	**12.9512**	0.130	1.0	ug/L	33	Standard
>	Tb	159	400774.8	1.6				ug/L	457622	Standard
	Ho	165	429341.6	1.4				ug/L	489924	Standard
	Pb	208	187162.6	0.7	**4.4166**	0.053	1.2	ug/L	453	Standard
	Bi	209	294930.9	1.1				ug/L	380338	Standard
	Th	232	430418.2	0.9				ug/L	490288	Standard
	Cr-1	52	2855.3	2.5	**3.3070**	0.087	2.6	ug/L	159	KED
	Cr-1	53	369.3	4.6	**3.4679**	0.161	4.6	ug/L	19	KED
	Ni-1	58	3995.3	4.4	**3.7036**	0.162	4.4	ug/L	9	KED
	Ni-1	60	1113.4	1.4	**2.3252**	0.042	1.8	ug/L	2	KED
	Ni-1	62	162.3	1.3	**2.1753**	0.019	0.9	ug/L	1	KED
	Cu-1	63	22932.4	0.5	**17.6331**	0.156	0.9	ug/L	25	KED
	Cu-1	65	11316.8	0.7	**17.7518**	0.066	0.4	ug/L	9	KED
	Zn-1	66	1670.1	4.1	**20.8881**	0.924	4.4	ug/L	13	KED
	Zn-1	67	240.7	4.6	**18.1576**	0.896	4.9	ug/L	1	KED
	Zn-1	68	1281.7	3.0	**20.6793**	0.708	3.4	ug/L	11	KED
>	Ge-1	72	6853.3	0.4				ug/L	5623	KED
	As-2	75	182.7	14.5	**3.9905**	0.568	14.2	ug/L	1	KED
	Se-1	78	2.3	24.7	**0.5281**	0.273	51.7	ug/L	1	KED
	Y-1	89	11189.4	0.8				ug/L	8035	KED
	Rh-1	103	71596.3	1.4				ug/L	66803	KED
	Cd-1	111	17.0	27.0	**0.0670**	0.026	38.8	ug/L	4	KED

	Cd-1	114	43.0	9.0	**0.0923**	0.007	8.0	ug/L	3 KED
>	**In-1**	115	6758.2	1.8				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		124.418
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		111.103
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		95.489
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		80.758
	Ba	135		
	Ba	137		
>	Tb	159		87.578
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		121.870
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		141.442

Quantitative Analysis - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Friday, May 05, 2023 15:37:34
Report Date/Time: Friday, May 05, 2023 15:40:49
Method File: C:\NexION\Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION\Data_kmckinney\DataSet\X230505A\QC Std 6.080

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	354147.0	2.7				ug/L	264715	Standard
	Cr	52	432598.5	3.6	40.0161	0.439	1.1	ug/L	5820	Standard
	Cr	53	49938.9	3.8	40.3402	0.539	1.3	ug/L	292	Standard
	Ni	58	226815.0	2.1	42.4607	0.269	0.6	ug/L	-965	Standard
	Ni	60	89238.3	2.7	42.3596	0.231	0.5	ug/L	18	Standard
	Ni	62	13202.4	3.1	42.9970	0.287	0.7	ug/L	37	Standard
	Cu	63	197886.9	3.5	42.6901	0.423	1.0	ug/L	79	Standard
	Cu	65	93523.1	4.0	41.9549	0.820	2.0	ug/L	33	Standard
	Zn	66	46918.0	3.3	40.8446	0.383	0.9	ug/L	138	Standard
	Zn	67	8138.7	3.6	42.3179	0.458	1.1	ug/L	17	Standard
	Zn	68	33603.2	3.7	41.1907	0.541	1.3	ug/L	124	Standard
>	Ge	72	203811.5	2.5				ug/L	161704	Standard
	As	75	43737.7	2.2	41.8246	0.558	1.3	ug/L	1933	Standard
	As-1	75	43910.8	2.1	41.0701	0.741	1.8	ug/L	2	Standard
	Se	77	3150.3	3.6	41.8639	0.986	2.4	ug/L	40	Standard
	Se	78	13731.6	2.7	42.9376	0.108	0.3	ug/L	2324	Standard
	Br	79	6188.0	10.5				ug/L	86	Standard
	Se	82	5487.1	1.7	39.9422	0.837	2.1	ug/L	38	Standard
	Kr	83	39.0	21.0				ug/L	43	Standard
	Y	89	437634.9	1.3				ug/L	371443	Standard
>	Rh	103	408478.8	2.4				ug/L	360413	Standard
	Ag	107	461214.5	1.4	39.4356	0.709	1.8	ug/L	366	Standard
	Cd	111	103798.6	1.8	42.0635	0.484	1.2	ug/L	249	Standard
	Cd	114	268861.7	1.7	41.3279	0.460	1.1	ug/L	8	Standard
>	In	115	377068.5	2.4				ug/L	414508	Standard
	Ba	135	100900.5	1.9	42.5474	0.422	1.0	ug/L	23	Standard
	Ba	137	172773.0	1.4	42.4997	0.222	0.5	ug/L	33	Standard
>	Tb	159	434626.1	0.9				ug/L	457622	Standard
	Ho	165	468112.0	1.5				ug/L	489924	Standard
	Pb	208	1791059.4	0.9	39.0422	0.166	0.4	ug/L	453	Standard
	Bi	209	347020.1	0.9				ug/L	380338	Standard
	Th	232	464828.0	1.9				ug/L	490288	Standard
	Cr-1	52	35023.9	0.9	37.8257	1.217	3.2	ug/L	159	KED
	Cr-1	53	4290.0	1.8	37.3125	0.794	2.1	ug/L	19	KED
	Ni-1	58	45919.0	0.7	37.3204	1.122	3.0	ug/L	9	KED
	Ni-1	60	19815.4	1.2	36.2807	1.041	2.9	ug/L	2	KED
	Ni-1	62	3059.0	1.9	36.2108	1.772	4.9	ug/L	1	KED
	Cu-1	63	53734.9	0.6	36.1639	1.041	2.9	ug/L	25	KED
	Cu-1	65	26661.5	1.2	36.5932	0.712	1.9	ug/L	9	KED
	Zn-1	66	3581.4	3.8	39.3302	0.587	1.5	ug/L	13	KED
	Zn-1	67	596.7	1.0	39.5108	0.904	2.3	ug/L	1	KED
	Zn-1	68	2797.9	1.9	39.6665	0.495	1.2	ug/L	11	KED
>	Ge-1	72	7839.8	3.1				ug/L	5623	KED
	As-2	75	2107.8	2.2	40.4705	2.129	5.3	ug/L	1	KED
	Se-1	78	112.3	1.0	45.9981	1.868	4.1	ug/L	1	KED
	Y-1	89	12011.4	1.9				ug/L	8035	KED
	Rh-1	103	82458.6	0.9				ug/L	66803	KED
	Cd-1	111	7038.7	0.6	36.9535	0.239	0.6	ug/L	4	KED

Cd-1	114	17628.3	1.3	**37.0298**	0.166	0.4	ug/L	3	KED
In-1	115	7616.1	1.0				ug/L	4778	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		133.784
	Cr	52	100.040	
	Cr	53	100.851	
	Ni	58	106.152	
	Ni	60	105.899	
	Ni	62	107.492	
	Cu	63	106.725	
	Cu	65	104.887	
	Zn	66	102.112	
	Zn	67	105.795	
	Zn	68	102.977	
>	Ge	72		126.040
	As	75	104.562	
	As-1	75	102.675	
	Se	77	104.660	
	Se	78	107.344	
	Br	79		
	Se	82	99.856	
	Kr	83		
	Y	89		
>	Rh	103		113.336
	Ag	107	98.589	
	Cd	111	105.159	
	Cd	114	103.320	
>	In	115		90.968
	Ba	135	106.368	
	Ba	137	106.249	
>	Tb	159		94.975
	Ho	165		
	Pb	208	97.606	
	Bi	209		
	Th	232		
	Cr-1	52	94.564	
	Cr-1	53	93.281	
	Ni-1	58	93.301	
	Ni-1	60	90.702	
	Ni-1	62	90.527	
	Cu-1	63	90.410	
	Cu-1	65	91.483	
	Zn-1	66	98.325	
	Zn-1	67	98.777	
	Zn-1	68	99.166	
>	Ge-1	72		139.413
	As-2	75	101.176	
	Se-1	78	114.995	
	Y-1	89		
	Rh-1	103		
	Cd-1	111	92.384	
	Cd-1	114	92.575	
>	In-1	115		159.398

Quantitative Analysis - Summary Report

Sample ID: QC Std 8

Sample Date/Time: Friday, May 05, 2023 15:43:11
Report Date/Time: Friday, May 05, 2023 15:46:26
Method File: C:\NexION Data_kmckinney\Method\X230505A2.mth
Dataset File: C:\NexION Data_kmckinney\DataSet\X230505A\QC Std 8.081

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
>	Sc	45	350083.2	0.9				ug/L	264715	Standard
	Cr	52	7656.4	3.5	-0.0038	0.024	635.8	ug/L	5820	Standard
	Cr	53	719.4	4.3	0.2745	0.025	9.0	ug/L	292	Standard
	Ni	58	-1170.1	3.8	0.0056	0.003	47.8	ug/L	-965	Standard
	Ni	60	27.3	29.3	0.0022	0.004	177.8	ug/L	18	Standard
	Ni	62	55.7	8.5	0.0323	0.019	58.4	ug/L	37	Standard
	Cu	63	101.7	13.1	0.0006	0.003	401.2	ug/L	79	Standard
	Cu	65	51.0	9.0	0.0045	0.002	47.4	ug/L	33	Standard
	Zn	66	177.0	9.3	0.0050	0.016	332.2	ug/L	138	Standard
	Zn	67	34.7	25.9	0.0686	0.042	61.2	ug/L	17	Standard
	Zn	68	165.3	11.4	0.0136	0.018	131.4	ug/L	124	Standard
>	Ge	72	201042.4	2.6				ug/L	161704	Standard
	As	75	2682.9	3.0	0.2876	0.041	14.4	ug/L	1933	Standard
	As-1	75	33.1	130.1	0.0299	0.041	137.3	ug/L	2	Standard
	Se	77	75.3	9.4	0.3524	0.120	34.1	ug/L	40	Standard
	Se	78	3202.0	3.3	1.2578	0.133	10.6	ug/L	2324	Standard
	Br	79	3023.0	9.2				ug/L	86	Standard
	Se	82	57.0	17.3	0.0740	0.083	111.8	ug/L	38	Standard
	Kr	83	42.0	27.5				ug/L	43	Standard
	Y	89	428483.9	1.2				ug/L	371443	Standard
>	Rh	103	402764.7	0.9				ug/L	360413	Standard
	Ag	107	1160.4	19.6	0.0651	0.019	28.8	ug/L	366	Standard
	Cd	111	284.5	4.3	0.0267	0.006	20.7	ug/L	249	Standard
	Cd	114	8.5	49.5	0.0002	0.001	305.8	ug/L	8	Standard
>	In	115	367359.7	0.8				ug/L	414508	Standard
	Ba	135	22.3	11.3	0.0002	0.001	578.9	ug/L	23	Standard
	Ba	137	39.3	10.6	0.0022	0.001	45.6	ug/L	33	Standard
>	Tb	159	429079.5	1.0				ug/L	457622	Standard
	Ho	165	463141.4	0.8				ug/L	489924	Standard
	Pb	208	659.3	4.4	0.0052	0.001	9.7	ug/L	453	Standard
	Bi	209	338013.8	1.6				ug/L	380338	Standard
	Th	232	450534.3	1.4				ug/L	490288	Standard
	Cr-1	52	171.3	5.7	-0.0500	0.012	23.7	ug/L	159	KED
	Cr-1	53	24.3	2.4	-0.0094	0.006	63.4	ug/L	19	KED
	Ni-1	58	17.9	27.9	0.0052	0.004	82.9	ug/L	9	KED
	Ni-1	60	2.7	21.7	-0.0010	0.001	113.1	ug/L	2	KED
	Ni-1	62	0.7	173.2	-0.0138	0.014	102.1	ug/L	1	KED
	Cu-1	63	29.3	12.0	-0.0035	0.003	74.4	ug/L	25	KED
	Cu-1	65	15.7	16.1	0.0042	0.004	87.8	ug/L	9	KED
	Zn-1	66	11.7	50.2	-0.0727	0.067	92.5	ug/L	13	KED
	Zn-1	67	1.7	34.6	-0.0102	0.039	379.4	ug/L	1	KED
	Zn-1	68	10.0	17.3	-0.0723	0.027	36.7	ug/L	11	KED
>	Ge-1	72	7648.4	1.0				ug/L	5623	KED
	As-2	75	2.3	89.2	0.0283	0.041	145.3	ug/L	1	KED
	Se-1	78	2.0	86.6	0.2672	0.724	270.8	ug/L	1	KED
	Y-1	89	11517.3	0.8				ug/L	8035	KED
	Rh-1	103	80571.6	0.8				ug/L	66803	KED
	Cd-1	111	4.0	0.0	-0.0116	0.000	4.2	ug/L	4	KED

	Cd-1	114	1.7	117.8	**-0.0057**	0.005	79.6	ug/L	3 KED
>	**In-1**	115	7319.4	2.2				ug/L	4778 KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
>	Sc	45		132.249
	Cr	52		
	Cr	53		
	Ni	58		
	Ni	60		
	Ni	62		
	Cu	63		
	Cu	65		
	Zn	66		
	Zn	67		
	Zn	68		
>	Ge	72		124.327
	As	75		
	As-1	75		
	Se	77		
	Se	78		
	Br	79		
	Se	82		
	Kr	83		
	Y	89		
>	Rh	103		111.751
	Ag	107		
	Cd	111		
	Cd	114		
>	In	115		88.626
	Ba	135		
	Ba	137		
>	Tb	159		93.763
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Cr-1	52		
	Cr-1	53		
	Ni-1	58		
	Ni-1	60		
	Ni-1	62		
	Cu-1	63		
	Cu-1	65		
	Zn-1	66		
	Zn-1	67		
	Zn-1	68		
>	Ge-1	72		136.009
	As-2	75		
	Se-1	78		
	Y-1	89		
	Rh-1	103		
	Cd-1	111		
	Cd-1	114		
>	In-1	115		153.188

Std Name	Lab ID	Source	Source ID	Exp	Initial conc ppm	Initial vol mL	Final conc ppm	Final vol mL	Comments	Init	Da
Std 1	TM11-070-01	6020 100x	TM11-068-30	5-15-23	.2	.05	.0002	50	5% HNO3	Kam	5-5
2	02	↓	↓		↓	.125	.0005				
3	03	6020 10x	TM11-068-29		2	.05	.002				
4	04	↓	↓		↓	.125	.005				
5	05	IV6020Cal-1	SZMEB711244	4-3-24	20	.05	.02				
6	06	Kam 5-8-23				.10	.04				
7	07	↓	↓	↓	↓	.25	.10				
IW	08	IVPECHIC1	P2MEB680593	5-24-23	10	.25	.05	↓	↓	↓	↓
6020 10x	TM11-070-09	IV6020Cal-1	SZMEB711244	4-3-24	20	1.0	2	10	20% HNO3	Kam	5-8
6020 100x	Kam 5-11-23 TM11-070-10	↓	↓	↓	↓	0.1	.2	↓	↓	↓	↓
Std 1	TM11-070-11	6020 100x	TM11-070-10	5-22-23	.2	.05	.0002	50	5% HNO3	Kam	5-8
2	12	↓	↓		↓	.125	.0005				
3	13	6020 10x	TM11-070-09		2	.05	.002				
4	14	↓	↓		↓	.125	.005				
5	15	IV6020Cal-1	SZMEB711244	4-3-24	20	.05	.02				
6	16					.10	.04				
7	17	Kam 5-9-23				.25	.10				
IW	18	IVPECHIC1	P2MEB680593	5-24-23	10	.25	.05	↓	↓	↓	↓
Std 1	TM11-070-19	6020 100x	TM11-070-10	5-22-23	.2	.05	.0002	50	5% HNO3	Kam	5-9
2	20	↓	↓		↓	.125	.0005				
3	21	6020 10x	TM11-070-09		2	.05	.002				
4	22	↓	↓		↓	.125	.005				
5	23	IV6020Cal-1	SZMEB711244	4-3-24	20	.05	.02				
6	24					.10	.04				
7	25	Kam 5-10-23				.25	.10				
IW	26	IVPECHIC1	P2MEB680593	5-24-23	10	.25	.05	↓	↓	↓	↓
Std 1	TM11-070-27	6020 100x	TM11-070-10	5-22-23	.2	.05	.0002	50	5% HNO3	Kam	5-10
2	28	↓	↓		↓	.125	.0005				
3	29	6020 10x	TM11-070-09		2	.05	.002				
4	30	↓	↓		↓	.125	.005				
5	31	IV6020Cal-1	SZMEB711244	4-3-24	20	.05	.02				
6	32					.10	.04				
7	33	Kam 5-11-23				.25	.10				
IW	34	IVPECHIC1	P2MEB680593	5-24-23	10	.25	.05	↓	↓	↓	↓
6020 10x	TM11-070-35	IV6020Cal-1	SZMEB711244	4-3-24	20	1.0	2	10	20% HNO3	Kam	5-11
6020 100x	Kam 5-11-23 TM11-070-36	↓	↓	↓	↓	0.1	.2	↓	↓	↓	↓

DIGESTION DATE:	5/5/23
ANALYST:	RR

QC BATCH #:	04-332-19a
MATRIX:	Soil
ANALYSIS METHOD:	7471 B

OSE LAB ID#	INITIAL Wt.(g)/Vol.(ml)	FINAL Vol.(ml)	DILUTION FACTOR	PRE/POST DIGEST APPEARANCE	COMMENTS
4B050552	0.5 g	50 mL			
5B050552					
04-332-19a					
-19a D					
-19a MS					
-19a MSD					
04-332-02a					
-09a					
-25a					
-31a					
04-322-01b					
-02b					
-03b					
-04b					
-05b					
04-330-01a					
-02a					
-03a					
-04a					
-05a					

RL 5/8/23

SPIKE ID# 0.05ppm Hg STD

VOL ADDED: 5 mL

GESTION DATE:	5-5-23
ALYST:	lapn

QC BATCH #:	05-370-02a
MATRIX:	sediment
ANALYSIS METHOD:	3051

OSE LAB ID#	INITIAL Wt.(g)/Vol.(ml)	FINAL Vol.(ml)	DILUTION FACTOR	PRE/POST DIGEST APPEARANCE	COMMENTS
MB 050505 sm1	2g	100			
SB 050505 sm1	↓	↓			
05-370-02a					
02aD					
02aMS					
02aMSD					
05-370-01a					
03a					
04a					
05a	↓				

RE 5/8/23

KE ID#		VOL ADDED:	
	Spike #1		2ml
	Mg Spike		15ml

DIGESTION DATE:	5-5-23
ANALYST:	KORM

QC BATCH #:	04-330-02a
MATRIX:	Sediment
ANALYSIS METHOD:	3051

OSE LAB ID#	INITIAL Wt.(g)/Vol.(ml)	FINAL Vol.(ml)	DILUTION FACTOR	PRE/POST DIGEST APPEARANCE	COMMENTS
MB050505M2	2g	100			
SB050505M2					
04-330-02a					
02aD					
02aMS					
02aMSD					
04-330-01a					
03a					
04a					
05a					

DE 5/8/23

SPIKE ID# Spike #1 Ag Spike

VOL ADDED: 2mL 5mL

Semivolatiles Organics EPA 8270E/SIM

- Sample Data
- QA/QC Data
- Initial Calibration Data
- Continuing Calibration Data
- Administrative Forms

Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230505\R0505012.D Vial: 12
Acq On : 5 May 2023 6:35 pm Operator: JP
Sample : 04-330-01 10X Inst : Ralph
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 8 14:46 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230410

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.21	152	942558	25.00	ug/mL	-0.14
20) Naphthalene-d8	7.83	136	3475458	25.00	ug/mL	-0.14
35) Acenaphthene-d10	10.05	164	1758692	25.00	ug/mL	-0.14
61) Phenanthrene-d10	11.93	188	2642298	25.00	ug/mL	-0.15
75) Chrysene-d12	16.48	240	2050131	25.00	ug/mL	-0.22
86) Perylene-d12	19.50	264	2193877	25.00	ug/mL	-0.28
System Monitoring Compounds						
4) 2-Fluorophenol	4.68	112	166670	3.00	ug/mL	-0.05
Spiked Amount 40.000	Range 21 - 110		Recovery =	7.50%#		
5) Phenol-d6	5.84	99	221710	3.20	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 110		Recovery =	8.00%#		
21) Nitrobenzene-d5	6.89	82	137698	2.52	ug/mL	-0.14
Spiked Amount 40.000	Range 35 - 114		Recovery =	6.30%#		
40) 2-Fluorobiphenyl	9.17	172	208230	2.41	ug/mL	-0.14
Spiked Amount 40.000	Range 43 - 116		Recovery =	6.03%#		
65) 2,4,6-Tribromophenol	11.04	330	33727	2.69	ug/mL	-0.13
Spiked Amount 40.000	Range 10 - 123		Recovery =	6.73%#		
78) Terphenyl-d14	14.40	244	205232	2.49	ug/mL	-0.19
Spiked Amount 40.000	Range 33 - 141		Recovery =	6.23%#		
Target Compounds						Qvalue
62) 4,6-Dinitro-2-methylphenol	10.76	198	53	1.07	ug/mL#	1
68) Pentachlorophenol	11.69	266	5175	1.33	ug/mL	98
70) Phenanthrene	11.96	178	416032	3.30	ug/mL	98
71) Anthracene	12.02	178	864413	6.81	ug/mL	98
74) Fluoranthene	13.76	202	808960	7.00	ug/mL	91
77) Pyrene	14.16	202	709135	5.97	ug/mL	88
82) Benzo[a]anthracene	16.46	228	636991	6.08	ug/mL	90
83) Chrysene	16.53	228	1175966	11.96	ug/mL	97
87) Benzo[b]fluoranthene	18.65	252	1142216m	11.19	ug/mL	
88) Benzo(j,k)fluoranthene	18.70	252	367290m	3.71	ug/mL	
89) Benzo[a]pyrene	19.36	252	772201	8.80	ug/mL	90
90) Indeno[1,2,3-cd]pyrene	22.39	276	341932	3.83	ug/mL#	57
92) Benzo[g,h,i]perylene	23.26	276	304160	3.55	ug/mL	81

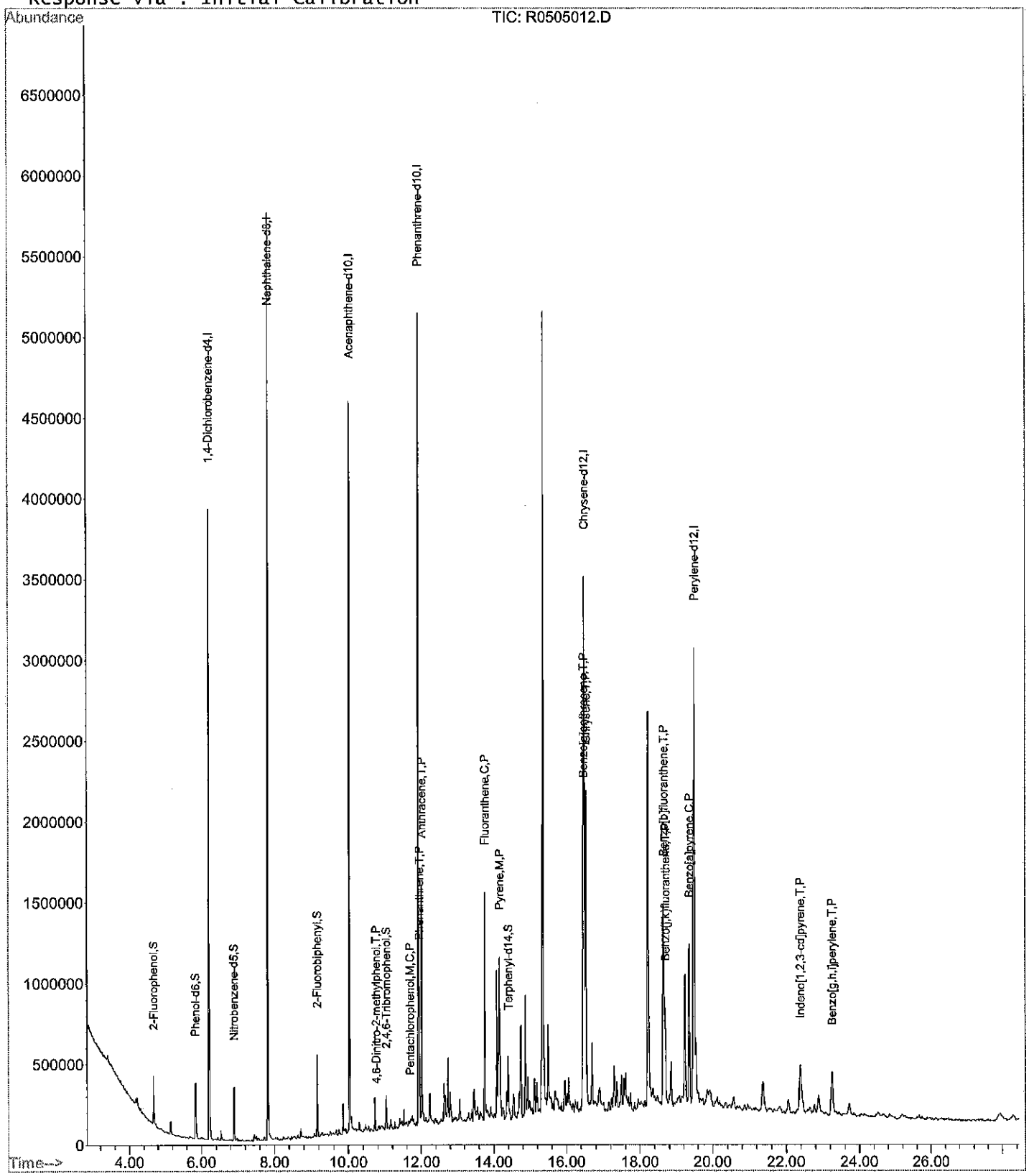
SB 6/2/23

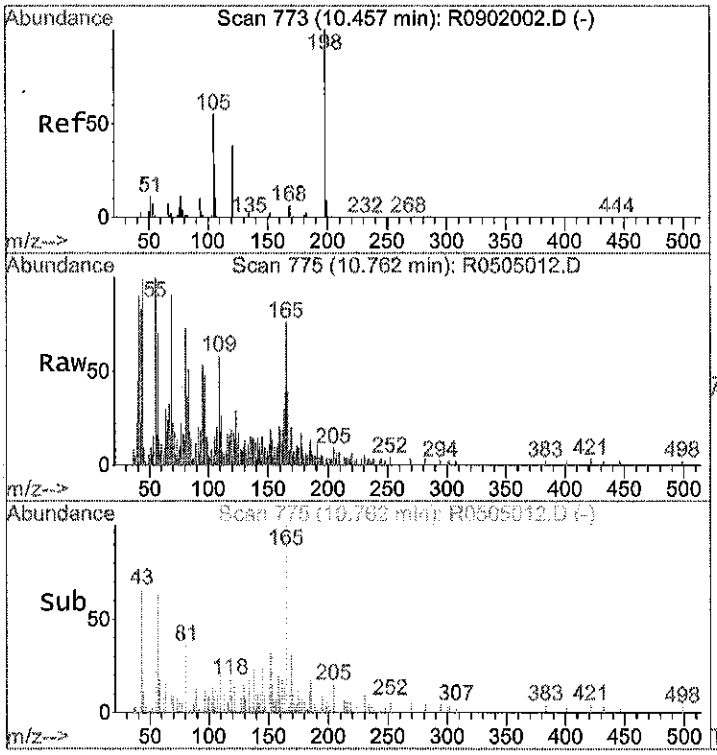
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230505\R0505012.D Vial: 12
Acq On : 5 May 2023 6:35 pm Operator: JP
Sample : 04-330-01 10X Inst : Ralph
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 8 14:46 2023 Quant Results File: SV230410.RES

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Thu May 11 08:45:53 2023
Response via : Initial Calibration

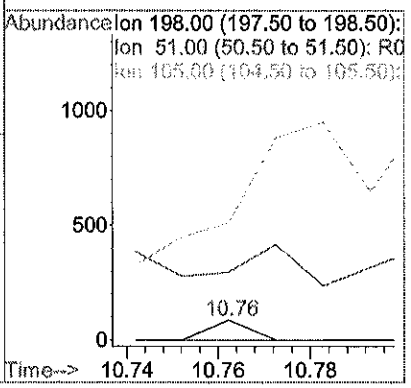


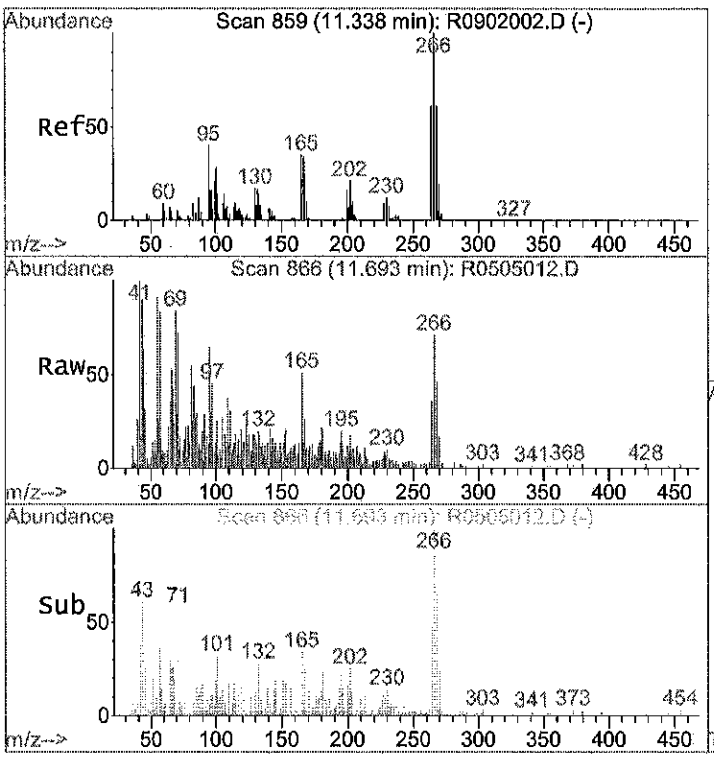


#62
4,6-Dinitro-2-methylphenol
Concen: 1.07 ug/mL
RT: 10.76 min Scan# 775
Delta R.T. -0.14 min
Lab File: R0505012.D
Acq: 5 May 2023 6:35 pm

Tgt Ion:198 Resp: 53

Ion	Ratio	Lower	Upper
198	100		
51	0.0	40.9	80.9#
105	3434.0	15.7	55.7#

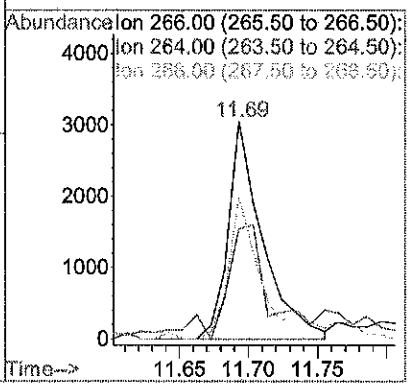


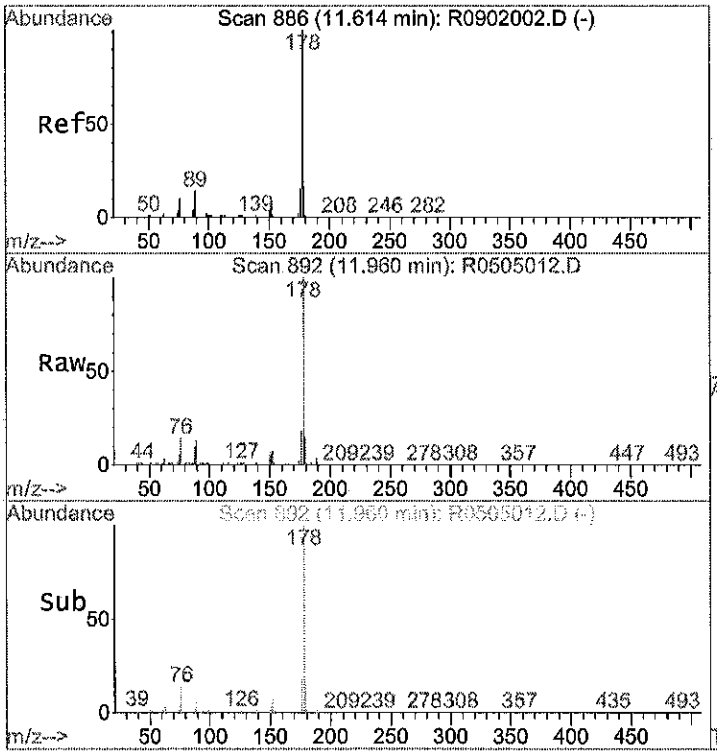


#68
Pentachlorophenol
Concen: 1.33 ug/mL
RT: 11.69 min Scan# 866
Delta R.T. -0.12 min
Lab File: R0505012.D
Acq: 5 May 2023 6:35 pm

Tgt Ion:266 Resp: 5175

Ion	Ratio	Lower	Upper
266	100		
264	60.5	42.8	82.8
268	64.4	44.0	84.0

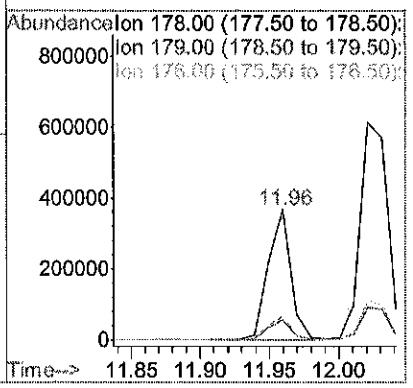


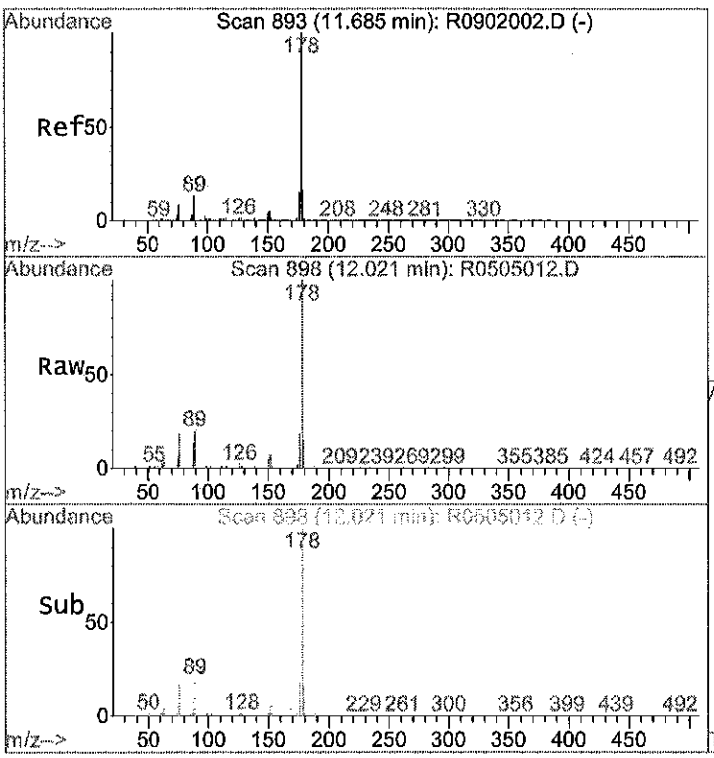


#70
Phenanthrene
Concen: 3.30 ug/mL
RT: 11.96 min Scan# 892
Delta R.T. -0.15 min
Lab File: R0505012.D
Acq: 5 May 2023 6:35 pm

Tgt Ion:178 Resp: 416032

Ion	Ratio	Lower	Upper
178	100		
179	16.6	0.0	35.6
176	18.4	0.0	37.8

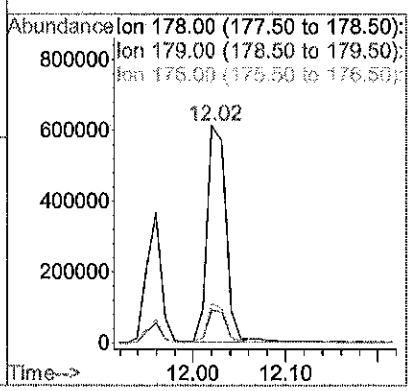


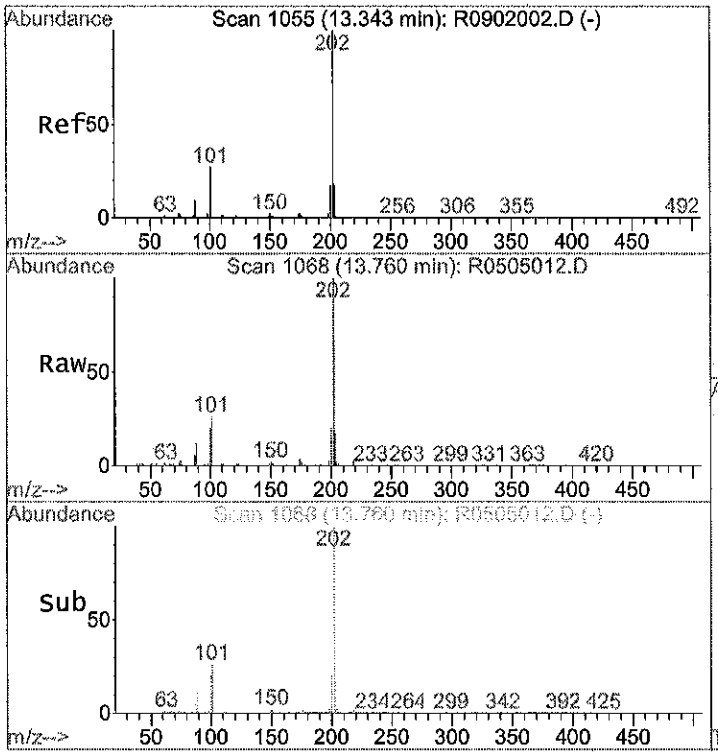


#71
Anthracene
Concen: 6.81 ug/mL
RT: 12.02 min Scan# 898
Delta R.T. -0.16 min
Lab File: R0505012.D
Acq: 5 May 2023 6:35 pm

Tgt Ion:178 Resp: 864413

Ion	Ratio	Lower	Upper
178	100		
179	14.1	0.0	35.4
176	17.4	0.0	36.9

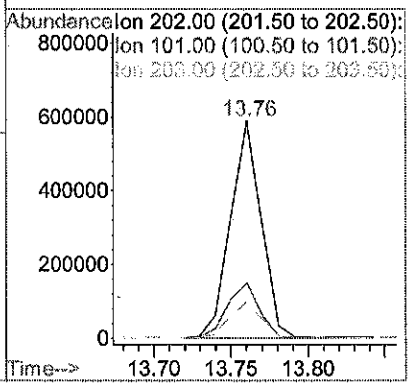


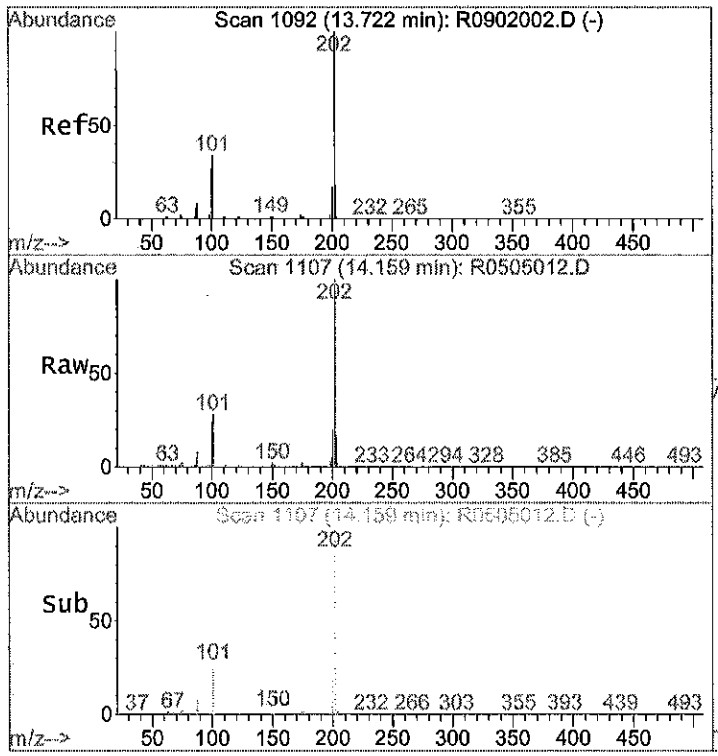


#74
Fluoranthene
Concen: 7.00 ug/mL
RT: 13.76 min Scan# 1068
Delta R.T. -0.19 min
Lab File: R0505012.D
Acq: 5 May 2023 6:35 pm

Tgt Ion:202 Resp: 808960

Ion	Ratio	Lower	Upper
202	100		
101	26.4	0.0	38.8
203	17.0	0.0	37.4

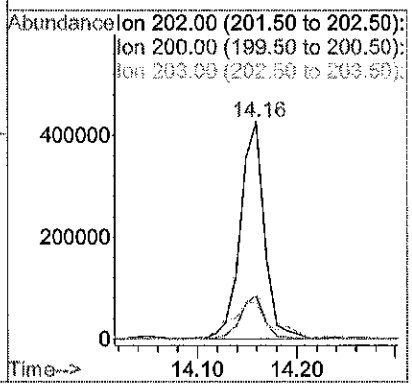


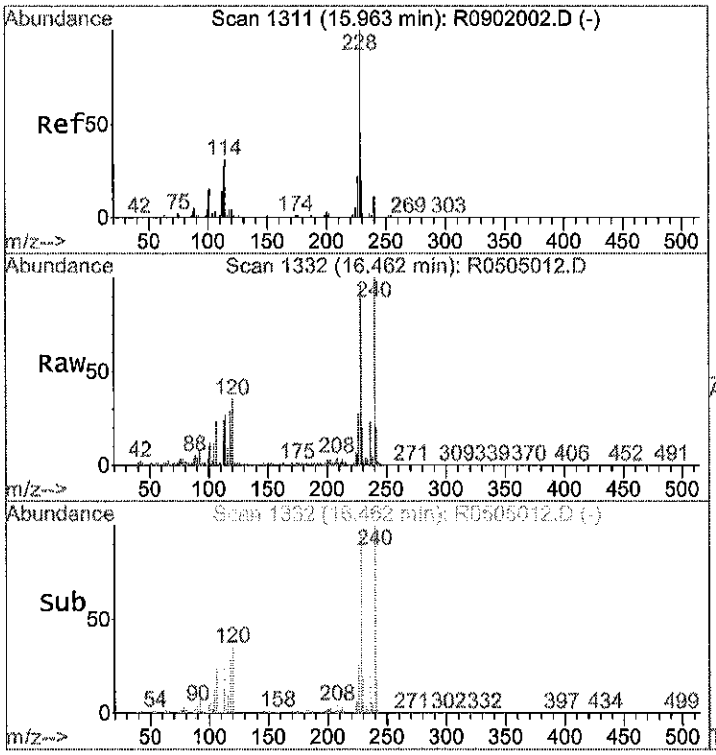


#77
Pyrene
Concen: 5.97 ug/mL
RT: 14.16 min Scan# 1107
Delta R.T. -0.19 min
Lab File: R0505012.D
Acq: 5 May 2023 6:35 pm

Tgt Ion:202 Resp: 709135

Ion	Ratio	Lower	Upper
202	100		
200	19.9	0.0	39.3
203	28.2	0.0	38.0

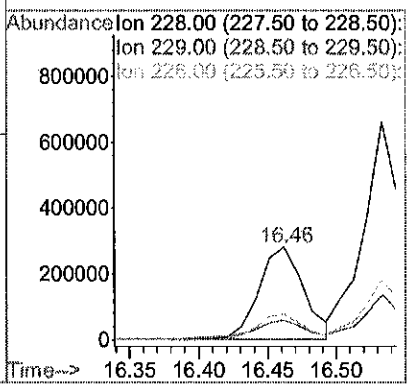


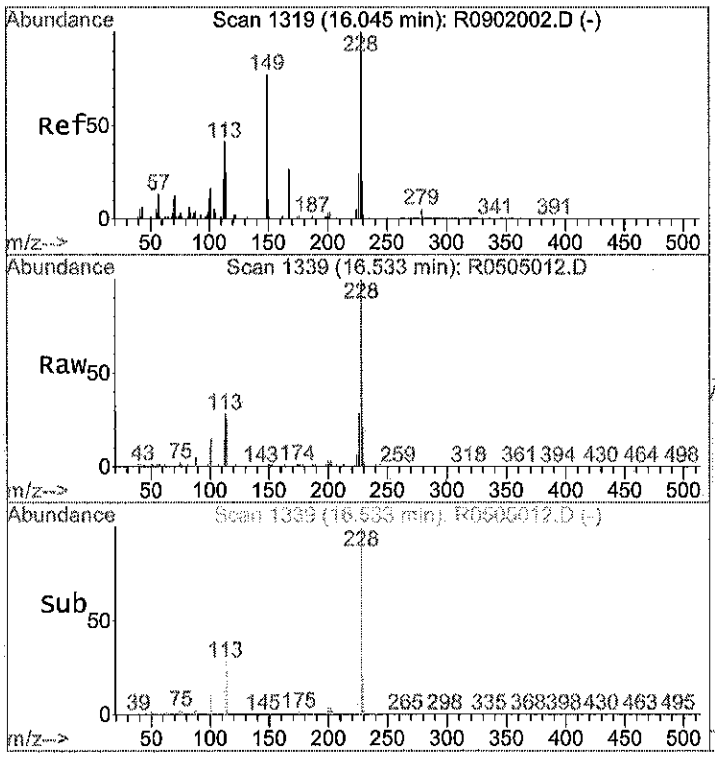


#82
Benzo[a]anthracene
Concen: 6.08 ug/mL
RT: 16.46 min Scan# 1332
Delta R.T. -0.21 min
Lab File: R0505012.D
Acq: 5 May 2023 6:35 pm

Tgt Ion:228 Resp: 636991

Ion	Ratio	Lower	Upper
228	100		
229	25.9	0.0	39.8
226	28.2	4.5	44.5

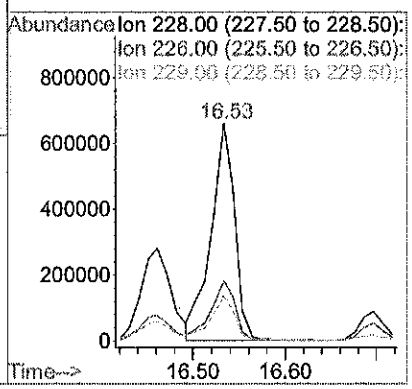


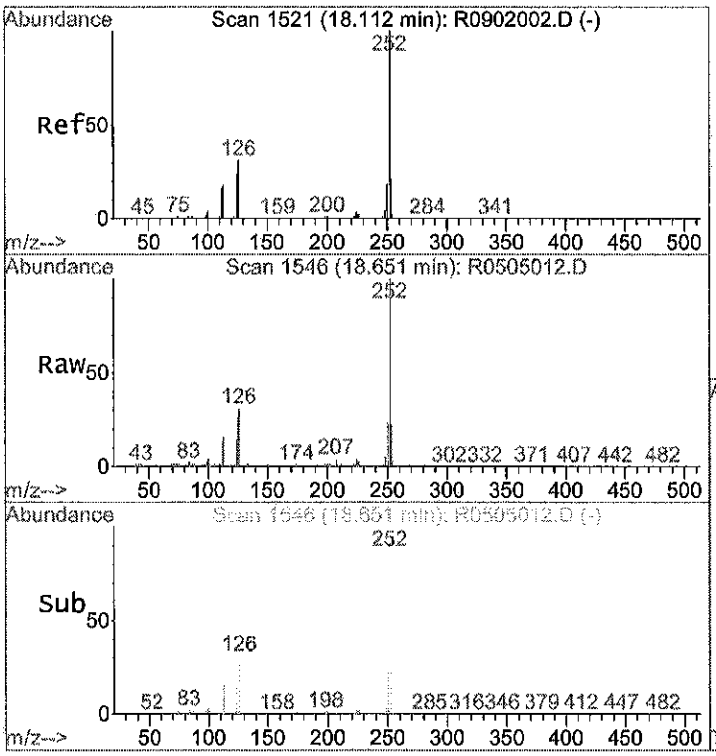


#83
Chrysene
Concen: 11.96 ug/mL
RT: 16.53 min Scan# 1339
Delta R.T. -0.22 min
Lab File: R0505012.D
Acq: 5 May 2023 6:35 pm

Tgt Ion:228 Resp: 1175966

Ion	Ratio	Lower	Upper
228	100		
226	28.8	7.2	47.2
229	21.4	0.0	39.9

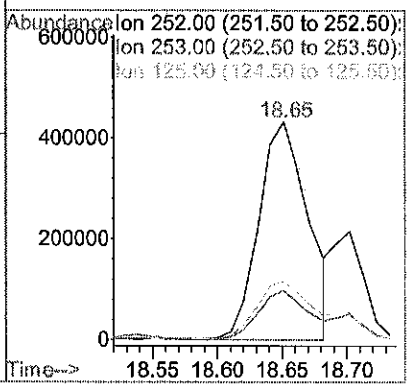


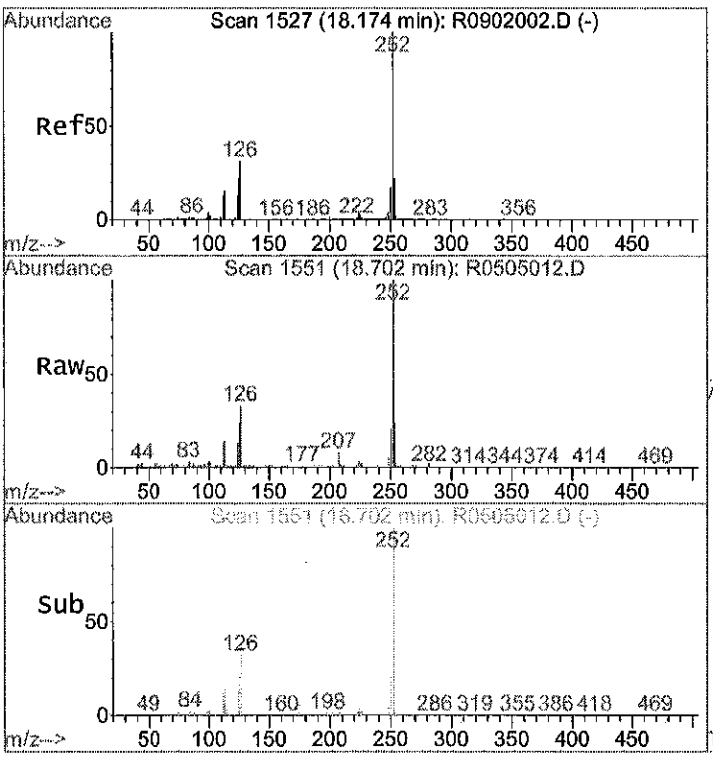


#87
Benzo[b]fluoranthene
Concen: 11.19 ug/mL m
RT: 18.65 min Scan# 1546
Delta R.T. -0.24 min
Lab File: R0505012.D
Acq: 5 May 2023 6:35 pm

Tgt Ion:252 Resp: 1142216

Ion	Ratio	Lower	Upper
252	100		
253	29.0	2.2	42.2
125	35.5	0.0	36.9

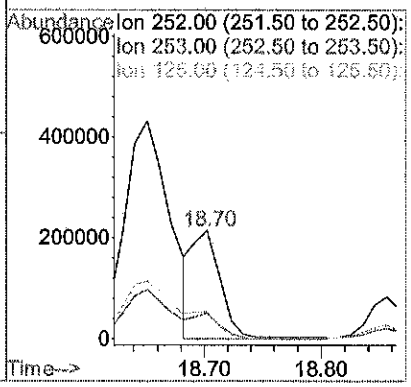


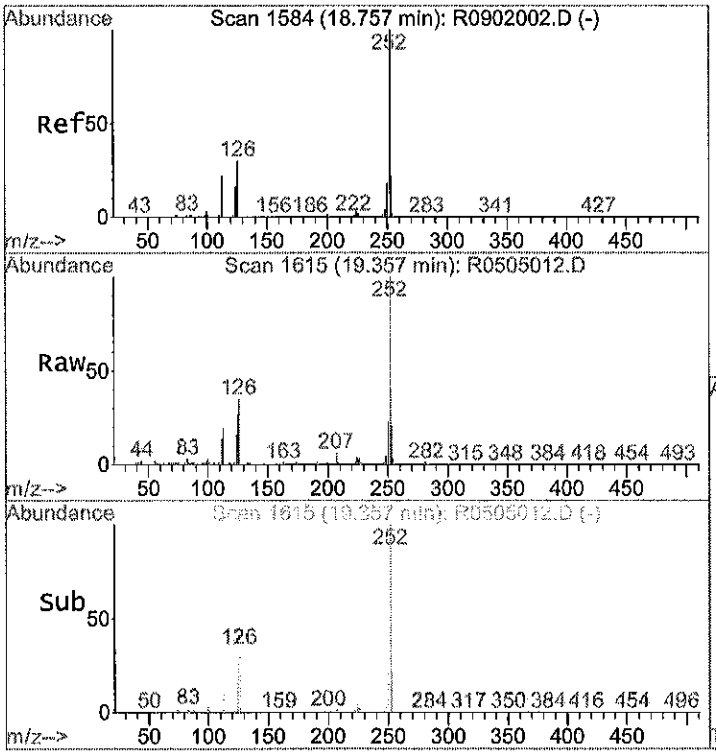


#88
Benzo(j,k)fluoranthene
Concen: 3.71 ug/mL m
RT: 18.70 min Scan# 1551
Delta R.T. -0.25 min
Lab File: R0505012.D
Acq: 5 May 2023 6:35 pm

Tgt Ion:252 Resp: 367290

Ion	Ratio	Lower	Upper
252	100		
253	90.2	2.1	42.1#
125	110.3	0.0	36.9#

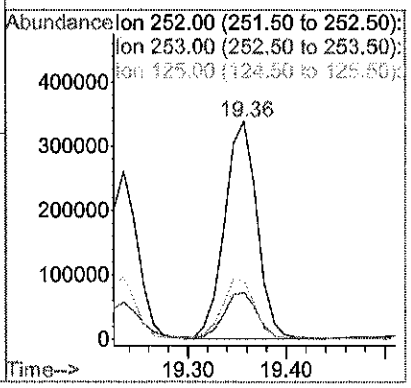


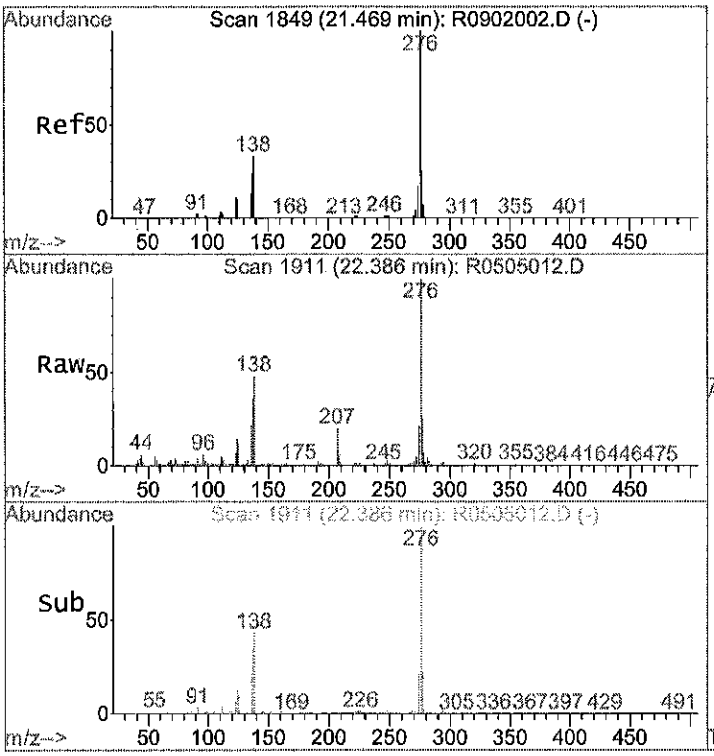


#89
Benzo[a]pyrene
Concen: 8.80 ug/mL
RT: 19.36 min Scan# 1615
Delta R.T. -0.28 min
Lab File: R0505012.D
Acq: 5 May 2023 6:35 pm

Tgt Ion:252 Resp: 772201

Ion	Ratio	Lower	Upper
252	100		
253	21.6	1.9	41.9
125	27.7	0.0	38.4

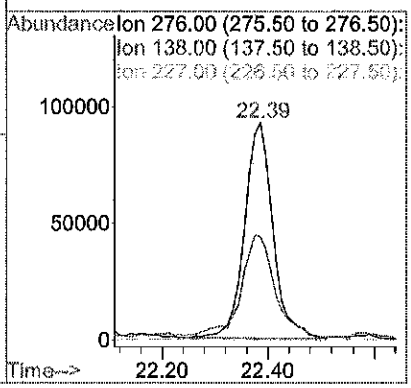


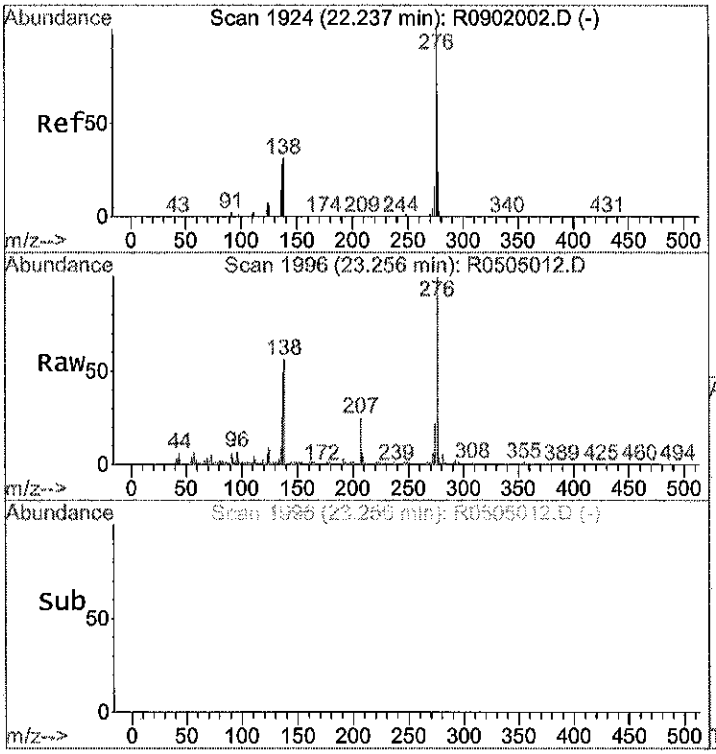


#90
Indeno[1,2,3-cd]pyrene
Concen: 3.83 ug/mL
RT: 22.39 min Scan# 1911
Delta R.T. -0.45 min
Lab File: R0505012.D
Acq: 5 May 2023 6:35 pm

Tgt Ion:276 Resp: 341932

Ion	Ratio	Lower	Upper
276	100		
138	57.1	12.7	52.7#
227	0.2	0.0	20.1

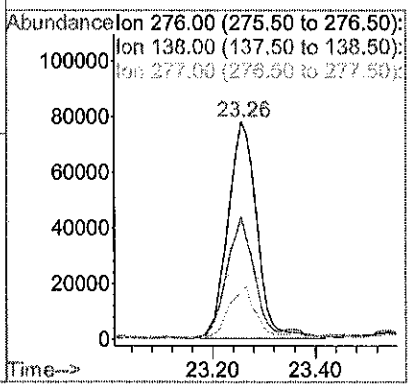




#92
Benzo[g,h,i]perylene
Concen: 3.55 ug/mL
RT: 23.26 min Scan# 1996
Delta R.T. -0.52 min
Lab File: R0505012.D
Acq: 5 May 2023 6:35 pm

Tgt Ion:276 Resp: 304160

Ion	Ratio	Lower	Upper
276	100		
138	52.7	14.8	54.8
277	22.8	3.7	43.7



Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230509\
Data File : J0509025.D
Acq On : 9 May 2023 8:12 pm
Operator : JP
Sample : 04-330-01 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 09 20:42:32 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.142	152	308792	25.00	ug/mL	0.00
20) Naphthalene-d8	7.764	136	1236539	25.00	ug/mL	0.00
36) Acenaphthene-d10	9.985	164	750714	25.00	ug/mL	-0.01
62) Phenanthrene-d10	11.883	188	1225716	25.00	ug/mL	0.00
76) Chrysene-d12	16.460	240	1098711	25.00	ug/mL	-0.01
87) Perylene-d12	19.486	264	1121659	25.00	ug/mL	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.550	112	43055	2.44	ug/mL	-0.01
Spiked Amount 40.000	Range 21 - 110		Recovery =	6.10%#		
5) Phenol-d6	5.672	99	59428	2.68	ug/mL	-0.01
Spiked Amount 40.000	Range 10 - 110		Recovery =	6.70%#		
21) Nitrobenzene-d5	6.836	82	50992	2.44	ug/mL	-0.01
Spiked Amount 40.000	Range 35 - 114		Recovery =	6.10%#		
41) 2-Fluorobiphenyl	9.109	172	78725	2.04	ug/mL	-0.01
Spiked Amount 40.000	Range 43 - 116		Recovery =	5.10%#		
66) 2,4,6-Tribromophenol	10.978	330	12768	2.70	ug/mL	-0.01
Spiked Amount 40.000	Range 10 - 123		Recovery =	6.75%#		
79) Terphenyl-d14	14.368	244	95127	2.16	ug/mL	-0.02
Spiked Amount 40.000	Range 33 - 141		Recovery =	5.40%#		
Target Compounds						Qvalue
72) Anthracene	11.983	178	329897	6.11	ug/mL	98
75) Fluoranthene	13.722	202	378204	6.30	ug/mL	87
78) Pyrene	14.121	202	330738	5.48	ug/mL	89
83) Benzo[a]anthracene	16.430	228	307073	5.41	ug/mL	92
84) Chrysene	16.507	228	571872	11.40	ug/mL	97
88) Benzo[b]fluoranthene	18.628	252	563644	10.15	ug/mL	90
90) Benzo[a]pyrene	19.339	252	373090	7.93	ug/mL	88

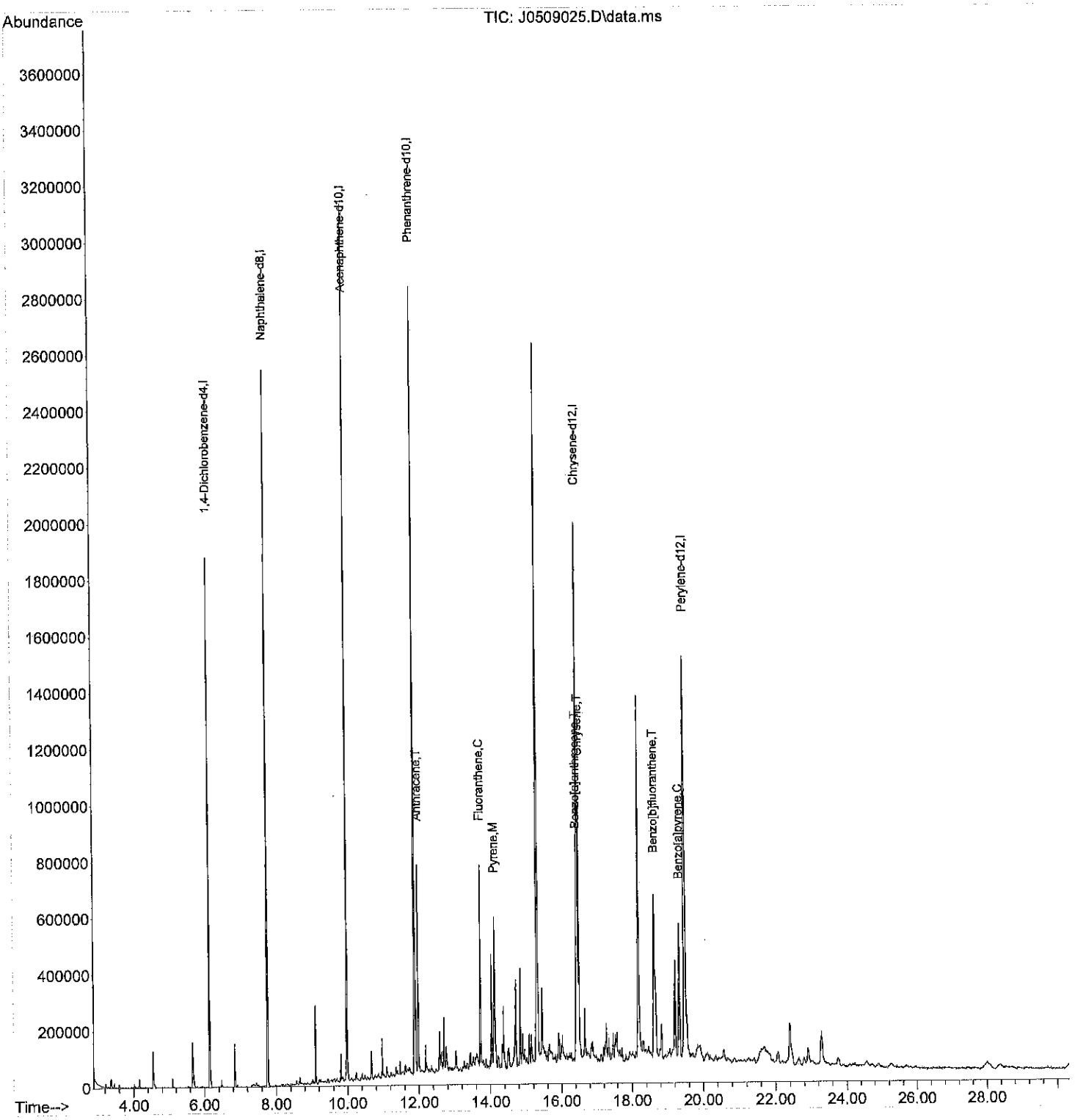
(#) = qualifier out of range (m) = manual integration (+) = signals summed

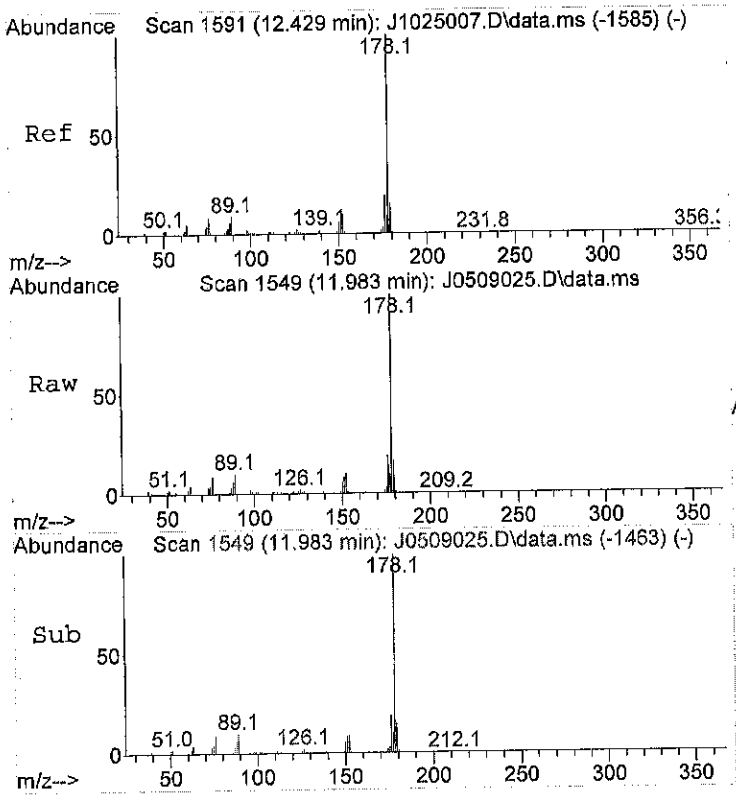
JD 6/2/23

Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230509\
Data File : J0509025.D
Acq On : 9 May 2023 8:12 pm
Operator : JP
Sample : 04-330-01 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 09 20:42:32 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration

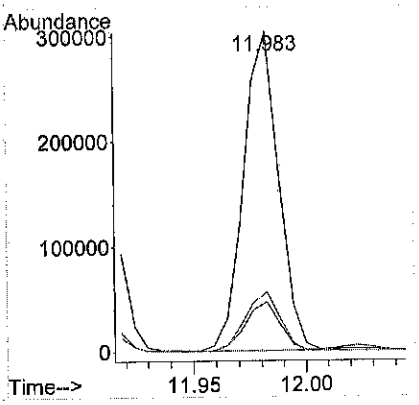


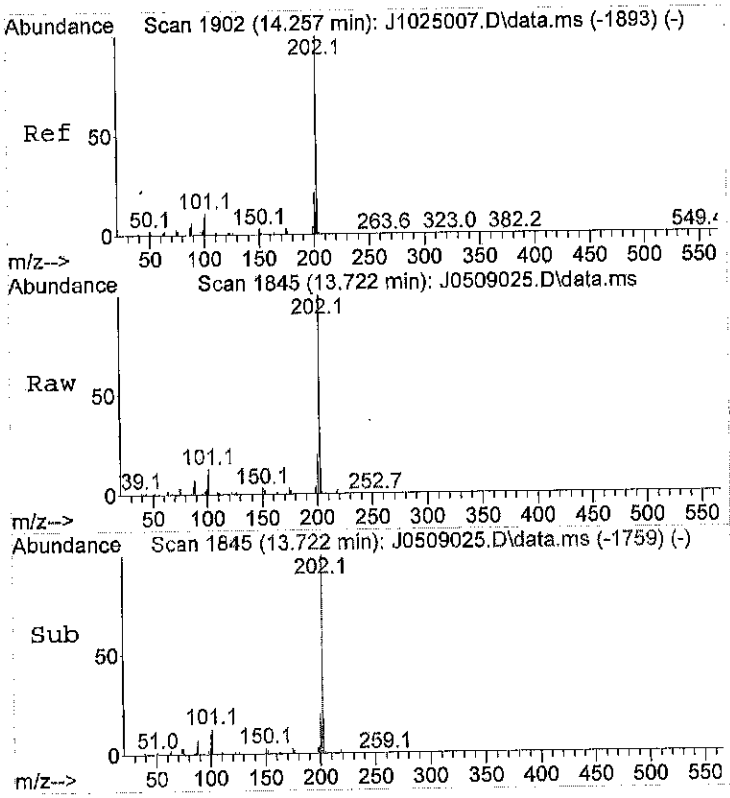


#72
Anthracene
Concen: 6.11 ug/mL
RT: 11.983 min Scan# 1549
Delta R.T. -0.012 min
Lab File: J0509025.D
Acq: 9 May 2023 8:12 pm

Tgt Ion:178 Resp: 329897

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	35.2
176	19.0	0.0	37.2

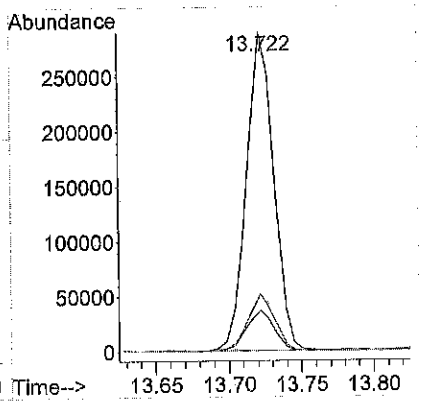


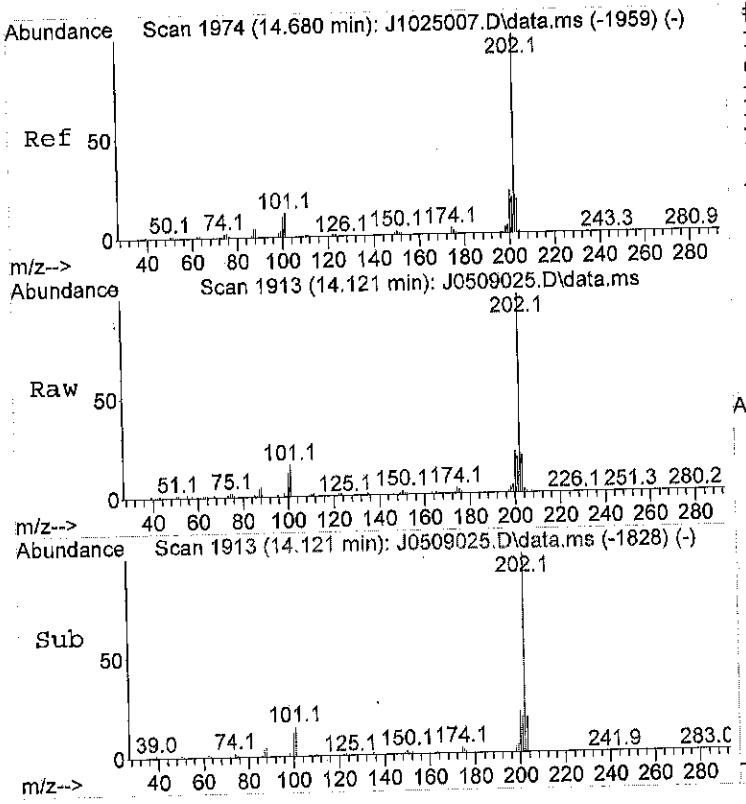


#75
Fluoranthene
Concen: 6.30 ug/mL
RT: 13.722 min Scan# 1845
Delta R.T. -0.012 min
Lab File: J0509025.D
Acq: 9 May 2023 8:12 pm

Tgt Ion:202 Resp: 378204

Ion	Ratio	Lower	Upper
202	100		
101	13.1	4.2	44.2
203	17.4	0.0	37.2

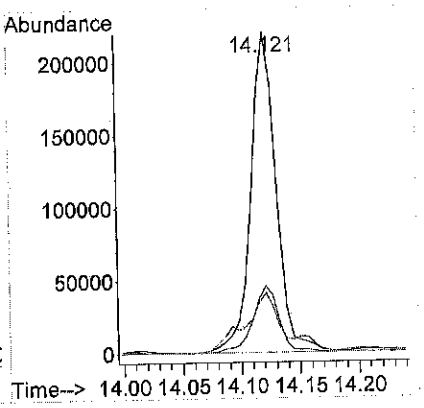


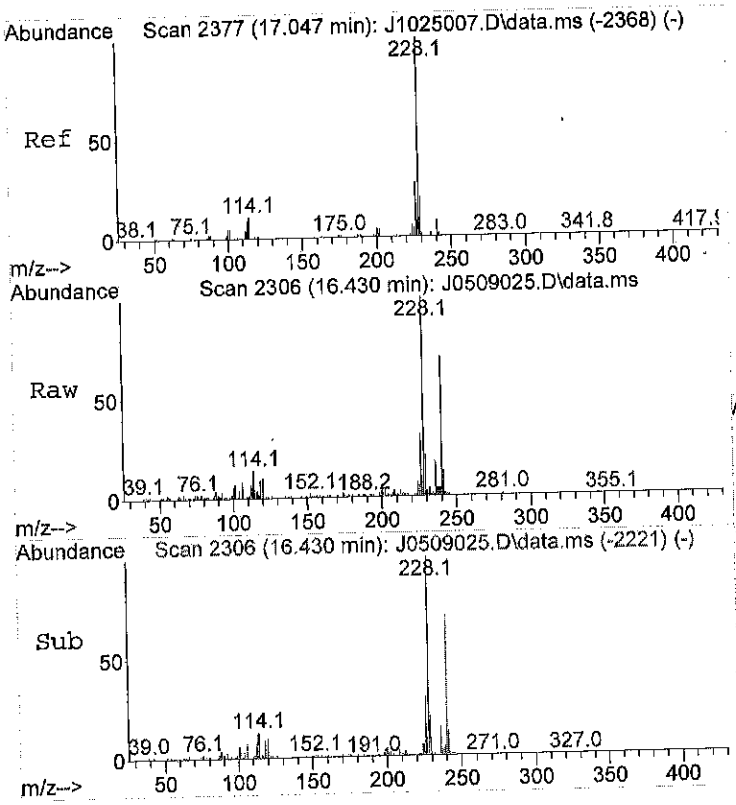


#78
Pyrene
Concen: 5.48 ug/mL
RT: 14.121 min Scan# 1913
Delta R.T. -0.017 min
Lab File: J0509025.D
Acq: 9 May 2023 8:12 pm

Tgt Ion:202 Resp: 330738

Ion	Ratio	Lower	Upper
202	100		
200	21.7	0.0	39.4
203	25.0	0.0	37.7

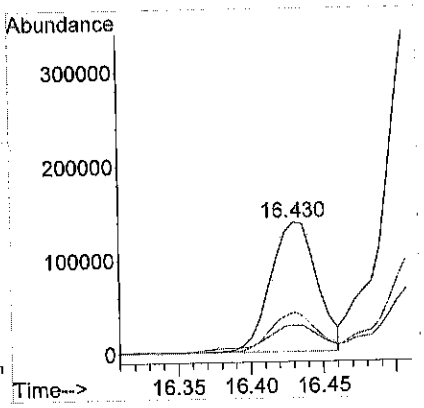


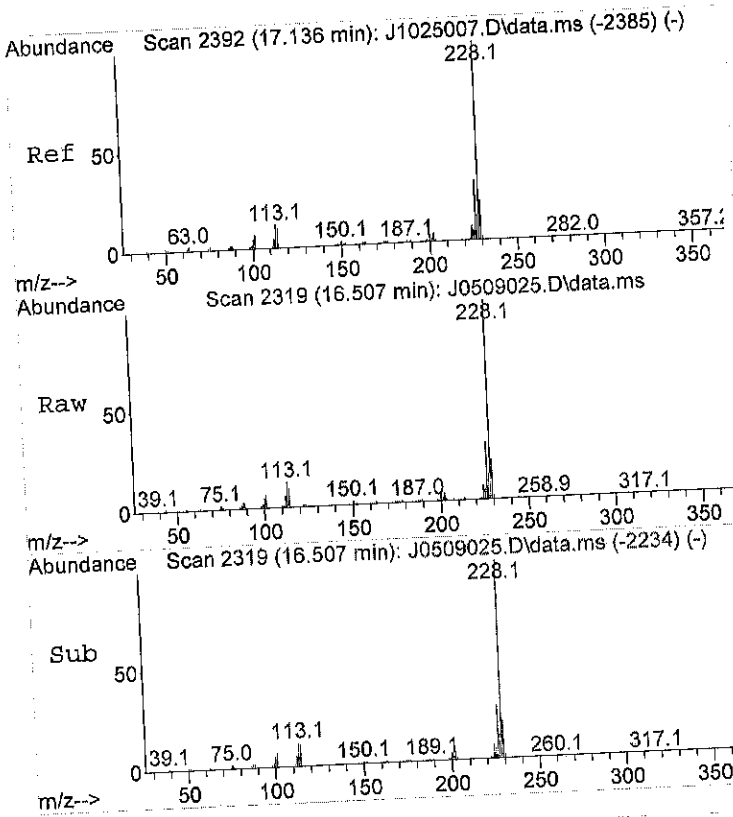


#83
Benzo[a]anthracene
Concen: 5.41 ug/mL
RT: 16.430 min Scan# 2306
Delta R.T. -0.017 min
Lab File: J0509025.D
Acq: 9 May 2023 8:12 pm

Tgt Ion:228 Resp: 307073

Ion	Ratio	Lower	Upper
228	100		
229	24.1	0.0	39.6
226	29.9	6.2	46.2

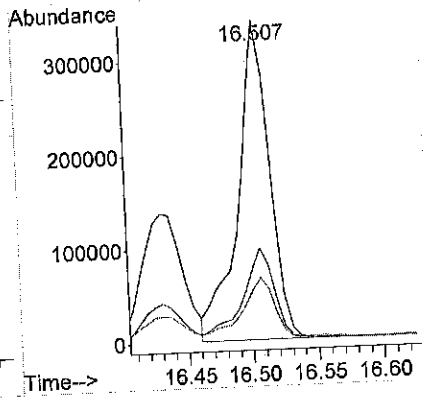


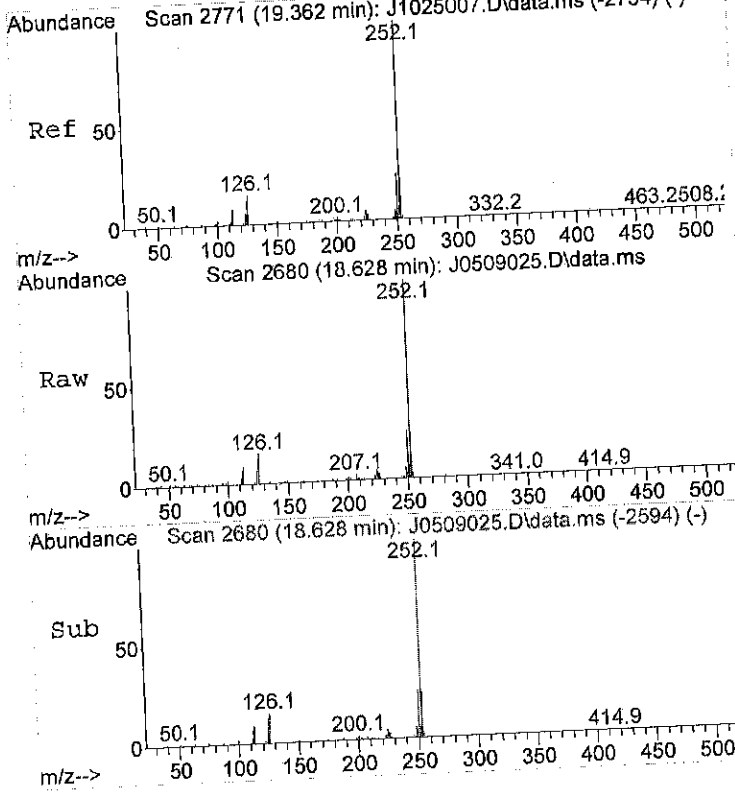


#84
Chrysene
Concen: 11.40 ug/mL
RT: 16.507 min Scan# 2319
Delta R.T. -0.017 min
Lab File: J0509025.D
Acq: 9 May 2023 8:12 pm

Tgt Ion:228 Resp: 571872

Ion	Ratio	Lower	Upper
228	100		
226	29.8	8.3	48.3
229	20.2	0.0	39.0

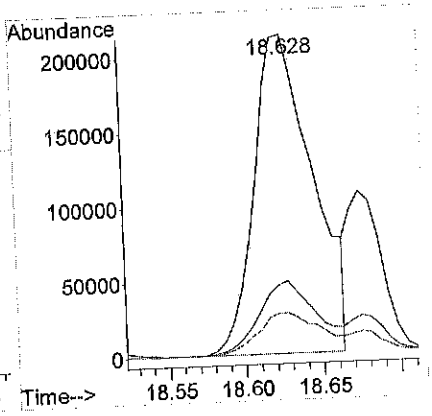


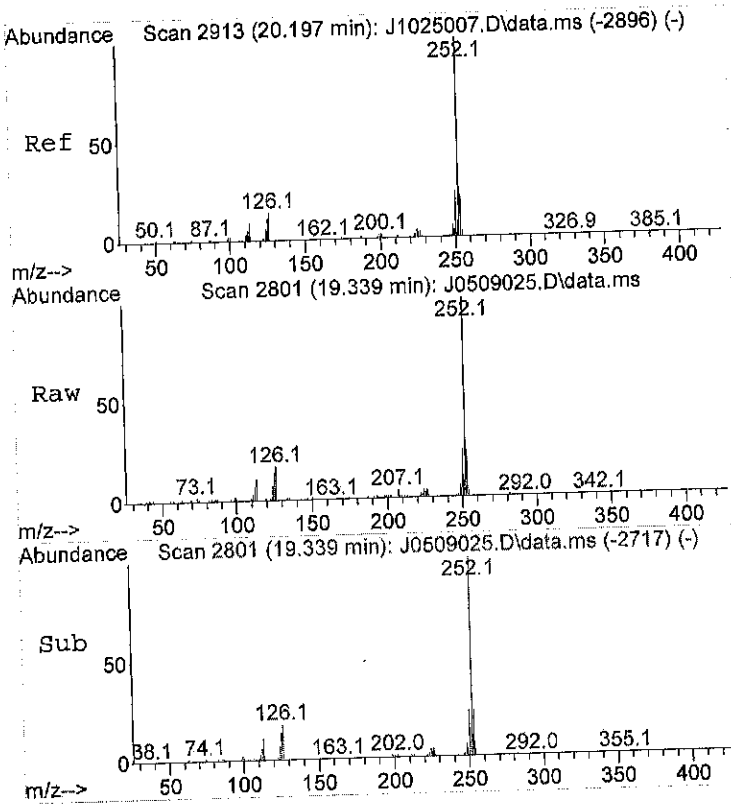


#88
Benzo[b]fluoranthene
Concen: 10.15 ug/mL
RT: 18.628 min Scan# 2680
Delta R.T. -0.012 min
Lab File: J0509025.D
Acq: 9 May 2023 8:12 pm

Tgt Ion:252 Resp: 563644

Ion	Ratio	Lower	Upper
252	100		
253	22.2	1.7	41.7
125	13.6	2.4	42.4

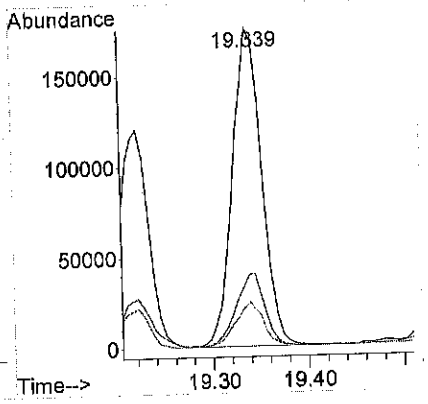




#90
Benzo[a]pyrene
Concen: 7.93 ug/mL
RT: 19.339 min Scan# 2801
Delta R.T. -0.023 min
Lab File: J0509025.D
Acq: 9 May 2023 8:12 pm

Tgt Ion:252 Resp: 373090

Ion	Ratio	Lower	Upper
252	100		
253	22.5	1.6	41.6
125	13.7	4.2	44.2



Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Corey\DATA\C230505\
Data File : C0505011.D
Acq On : 5 May 2023 5:25 pm
Operator : JP
Sample : 04-330-01 20X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 08 14:21:54 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Thu May 04 10:12:53 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	3.886	136	197317	2000.00	ppb	0.00
5) Acenaphthene-d10	5.121	164	99044	2000.00	ppb	0.00
9) Phenanthrene-d10	6.141	188	178980	2000.00	ppb	0.00
16) Chrysene-d12	8.203	240	144286	2000.00	ppb	-0.01
20) Perylene-d12	9.636	264	156397	2000.00	ppb	0.00
System Monitoring Compounds						
6) 2-Fluorobiphenyl	4.671	172	87337	901.81	ppb	0.00
Spiked Amount 1000.000	Range 25 - 89		Recovery = 90.18%#			
10) Pyrene-d10	7.135	212	216	2.20	ppb	-0.02
Spiked Amount 1000.000	Range 40 - 110		Recovery = 0.22%#			
17) Terphenyl-d14	7.289	244	71182	1054.88	ppb	-0.03
Spiked Amount 1000.000	Range 39 - 92		Recovery = 105.49%#			
Target Compounds						Qvalue
2) Naphthalene	3.894	128	7499	58.17	ppb	99
3) 2-Methylnaphthalene	4.398	142	5940	71.26	ppb	100
7) Acenaphthylene	5.021	152	67031	507.39	ppb	100
8) Acenaphthene	5.144	153	7459m	90.34	ppb	
11) Fluorene	5.499	166	33184m	359.39	ppb	
12) Phenanthrene	6.153	178	167979	1295.92	ppb	96
13) Anthracene	6.193	178	353810	2635.00	ppb	95
14) Fluoranthene	6.981	202	371296	2551.21	ppb	88
15) Pyrene	7.144	202	338807	2351.71	ppb	93
18) Benzo[a]anthracene	8.192	228	359909	3132.08	ppb	91
19) Chrysene	8.232	228	567411	4254.35	ppb	91
21) Benzo[b]fluoranthene	9.271	252	808621	5499.21	ppb	84
22) Benzo(j,k)fluoranthene	9.271	252	808621	5977.12	ppb	84
23) Benzo[a]pyrene	9.584	252	422160	3347.09	ppb	86
24) Indeno(1,2,3-c,d)pyrene	10.644	276	201763	1487.65	ppb	64
25) Dibenz[a,h]anthracene	10.667	278	60397	460.20	ppb	68
26) Benzo[g,h,i]perylene	10.875	276	180052	1286.53	ppb	75

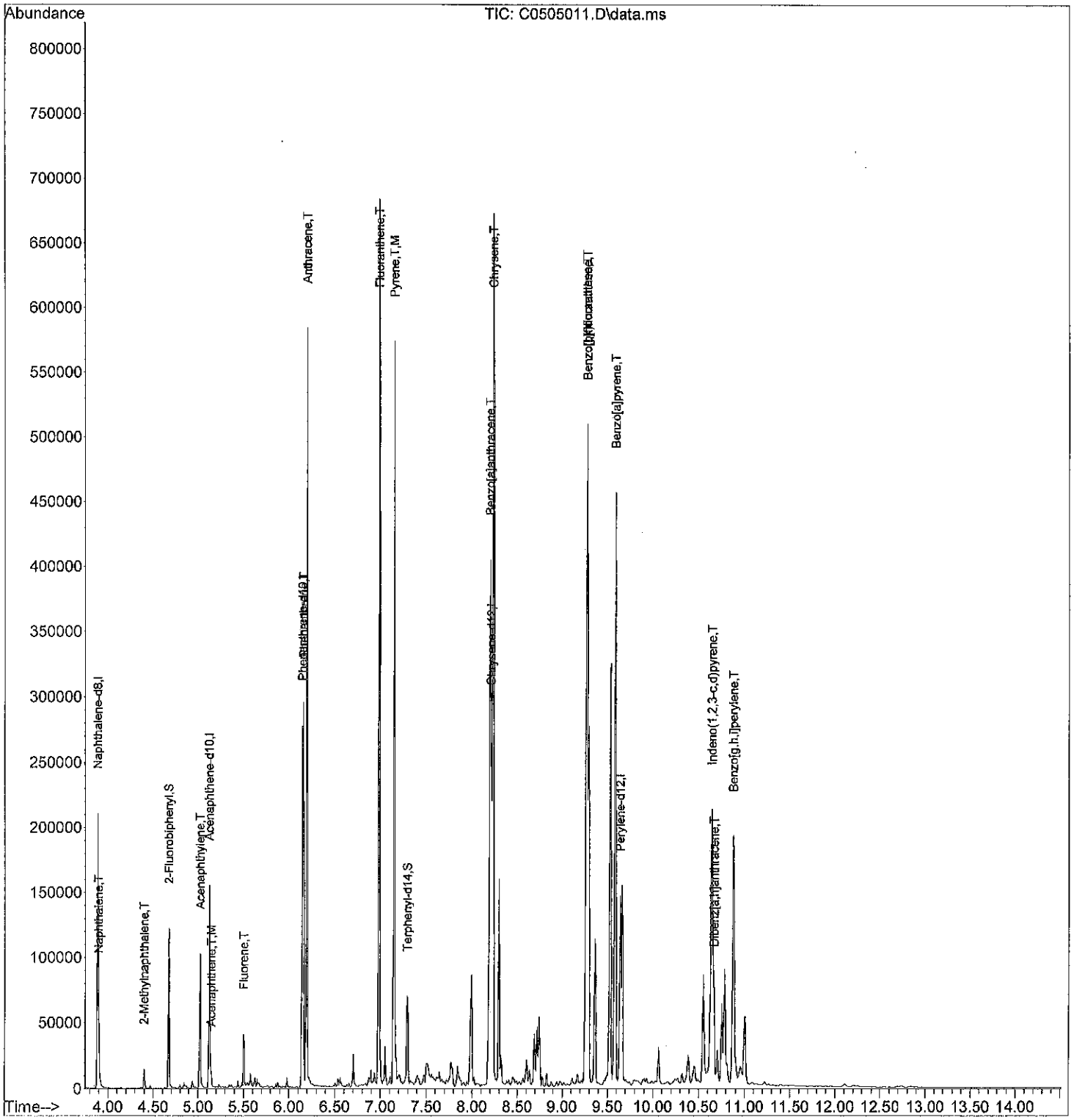
(#) = qualifier out of range (m) = manual integration (+) = signals summed

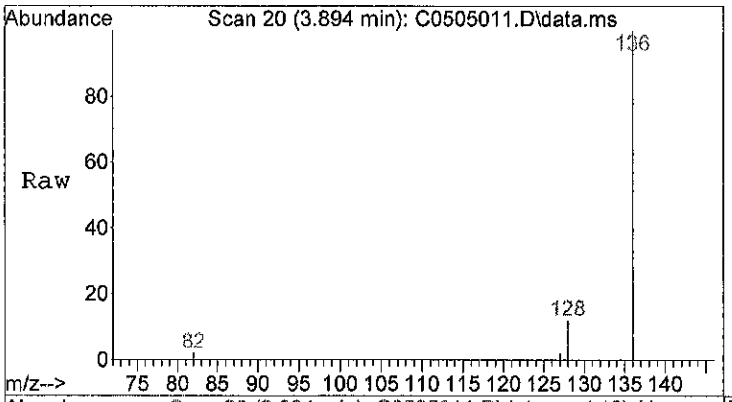
JP 6/2/23

Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Corey\DATA\C230505\
Data File : C0505011.D
Acq On : 5 May 2023 5:25 pm
Operator : JP
Sample : 04-330-01 20X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 08 14:21:54 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Thu May 04 10:12:53 2023
Response via : Initial Calibration

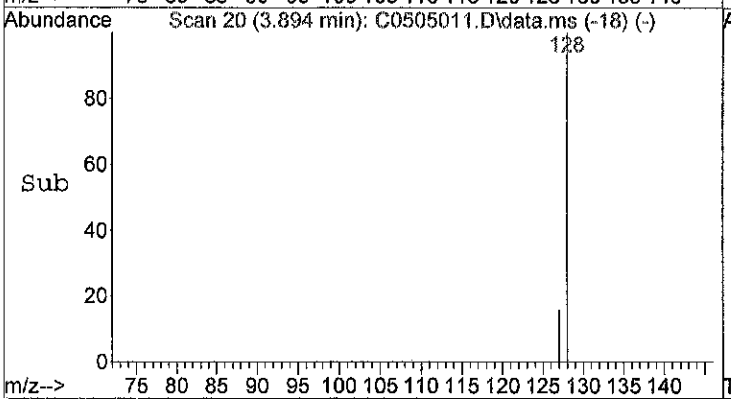


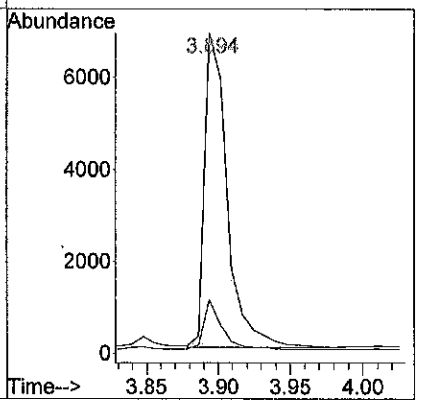


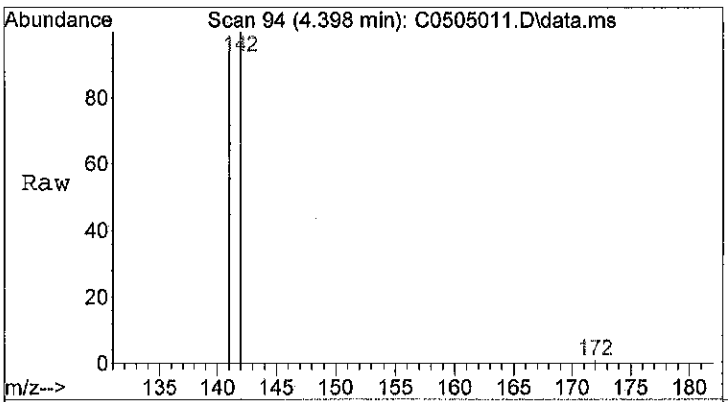
#2
Naphthalene
Concen: 58.17 ppb
RT: 3.894 min Scan# 20
Delta R.T. 0.189 min
Lab File: C0505011.D
Acq: 5 May 23 5:25 pm

Tgt Ion:128 Resp: 7499

Ion	Ratio	Lower	Upper
128	100		
127	12.7	0.0	32.5



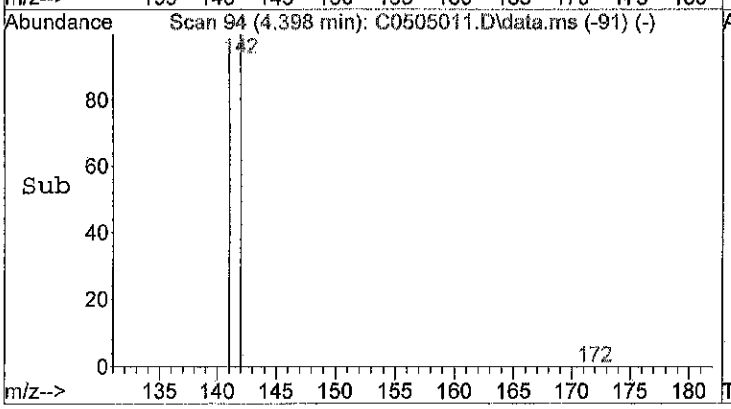


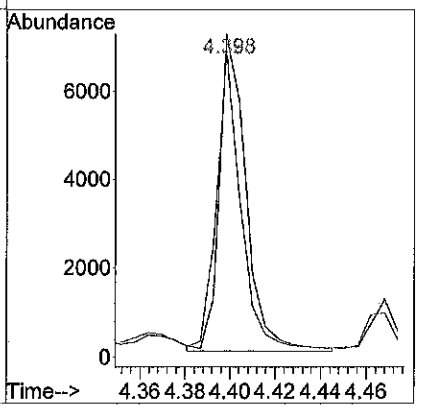


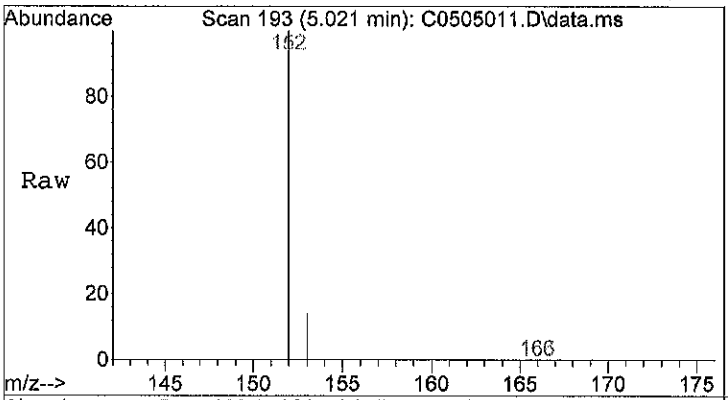
#3
2-Methylnaphthalene
Concen: 71.26 ppb
RT: 4.398 min Scan# 94
Delta R.T. 0.191 min
Lab File: C0505011.D
Acq: 5 May 23 5:25 pm

Tgt Ion:142 Resp: 5940

Ion	Ratio	Lower	Upper
142	100		
141	85.3	65.3	105.3

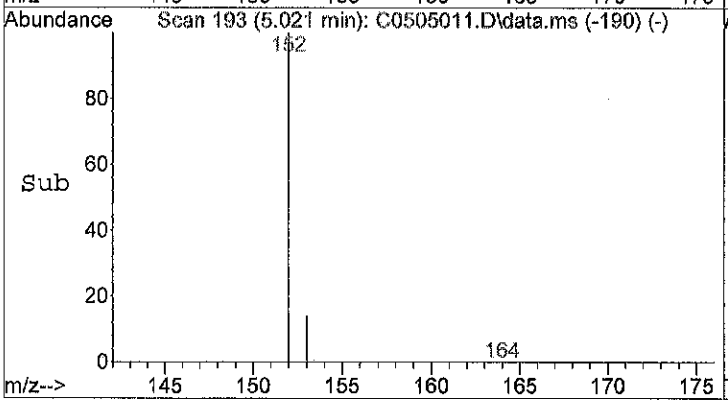


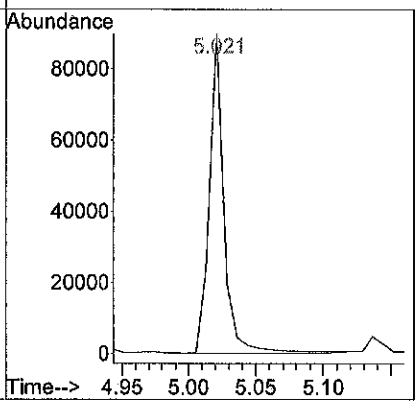


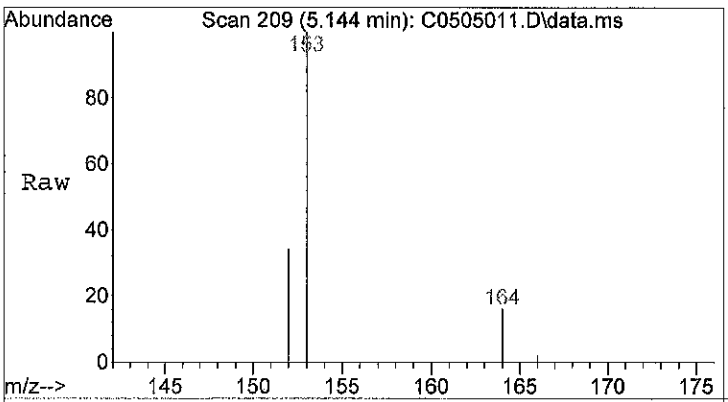


#7
Acenaphthylene
Concen: 507.39 ppb
RT: 5.021 min Scan# 193
Delta R.T. 0.196 min
Lab File: C0505011.D
Acq: 5 May 23 5:25 pm

Tgt Ion:152 Resp: 67031

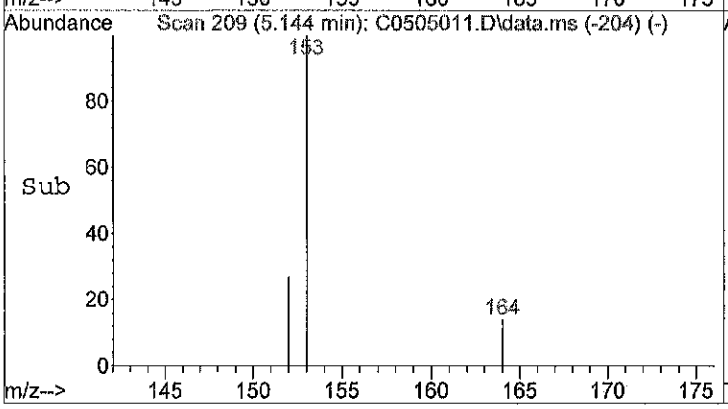


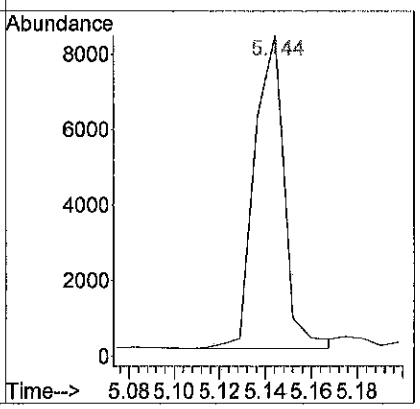


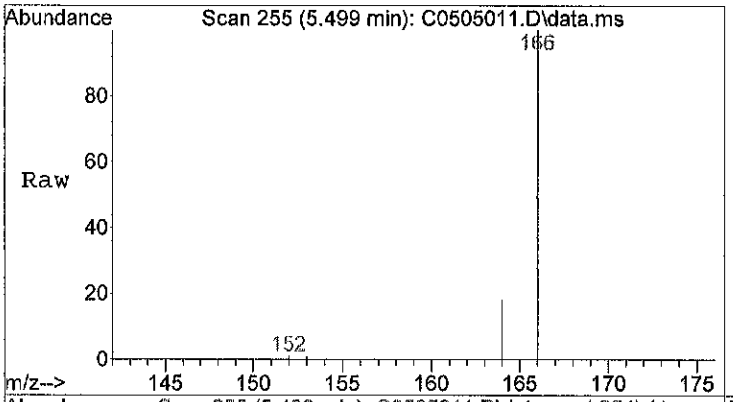


#8
Acenaphthene
Concen: 90.34 ppb m
RT: 5.144 min Scan# 209
Delta R.T. 0.196 min
Lab File: C0505011.D
Acq: 5 May 23 5:25 pm

Tgt Ion:153 Resp: 7459

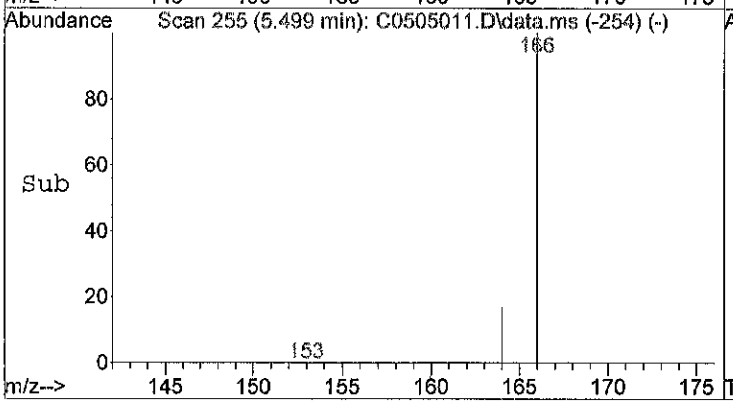


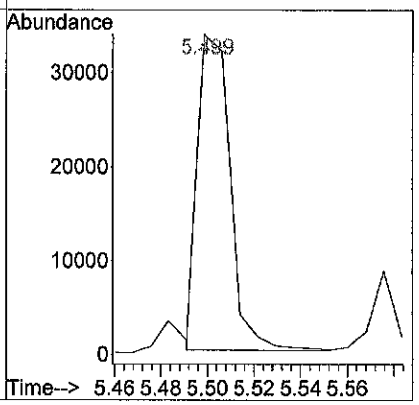


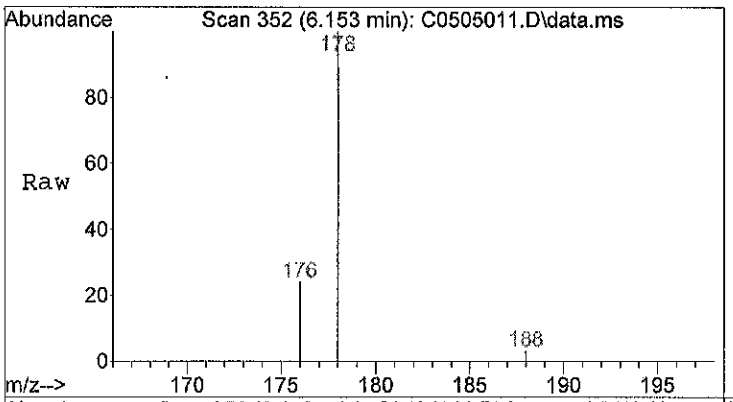


#11
Fluorene
Concen: 359.39 ppb m
RT: 5.499 min Scan# 255
Delta R.T. 0.189 min
Lab File: C0505011.D
Acq: 5 May 23 5:25 pm

Tgt Ion:166 Resp: 33184



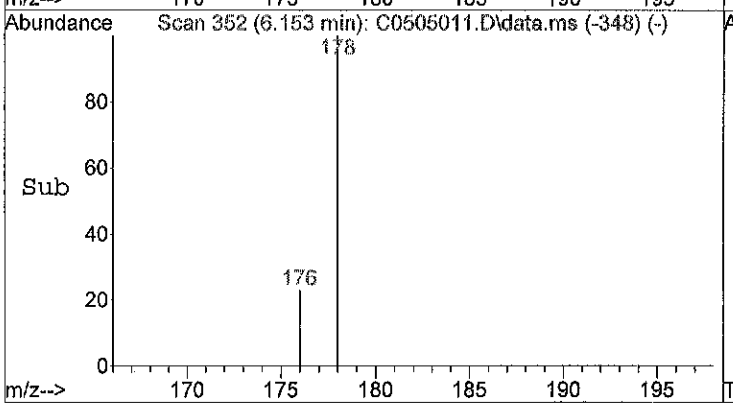


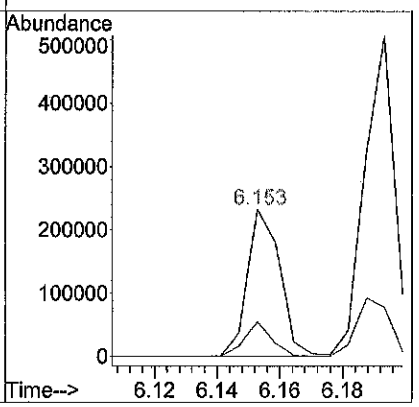


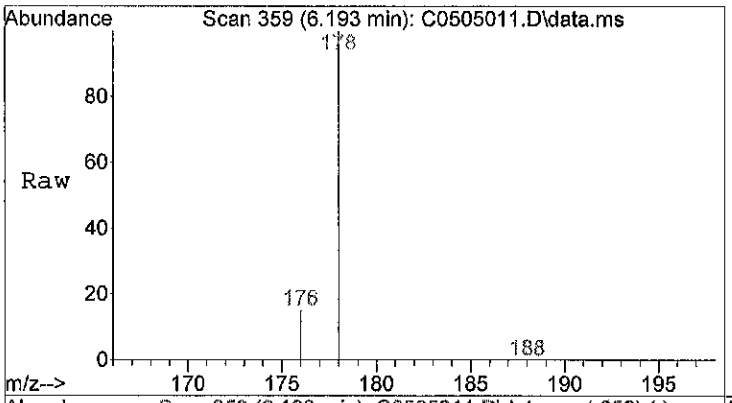
#12
Phenanthrene
Concen: 1295.92 ppb
RT: 6.153 min Scan# 352
Delta R.T. 0.193 min
Lab File: C0505011.D
Acq: 5 May 23 5:25 pm

Tgt Ion:178 Resp: 167979

Ion	Ratio	Lower	Upper
178	100		
176	19.8	0.0	38.2



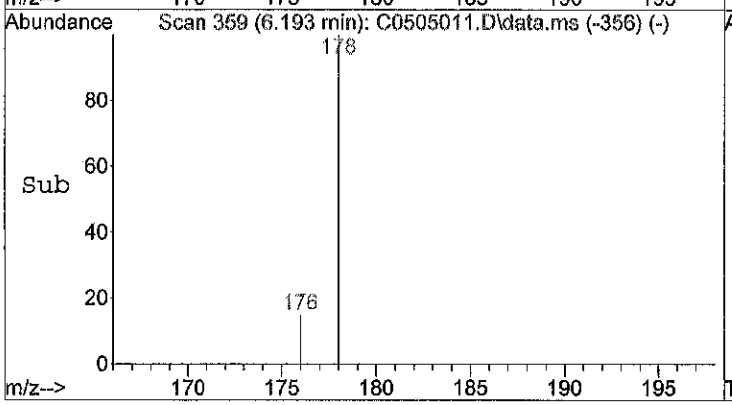


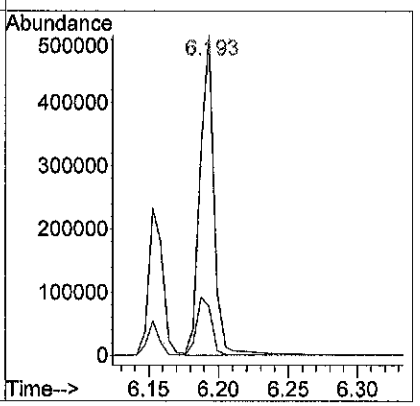


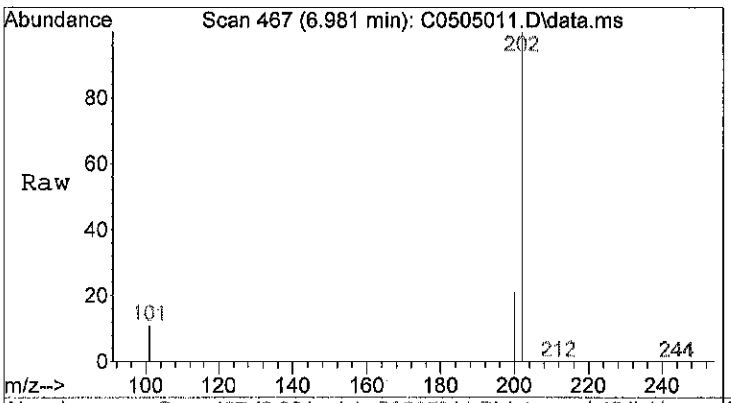
#13
Anthracene
Concen: 2635.00 ppb
RT: 6.193 min Scan# 359
Delta R.T. 0.199 min
Lab File: C0505011.D
Acq: 5 May 23 5:25 pm

Tgt Ion:178 Resp: 353810

Ion	Ratio	Lower	Upper
178	100		
176	20.1	0.0	37.7



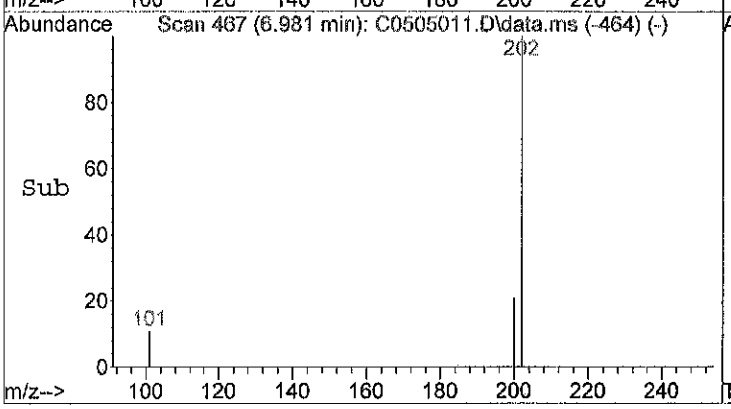


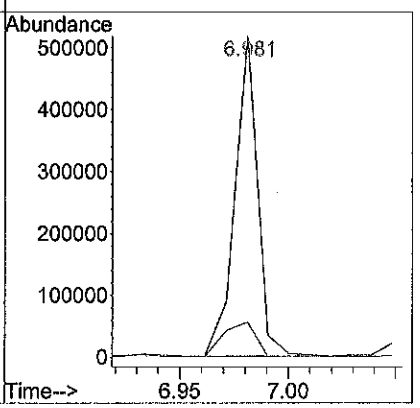


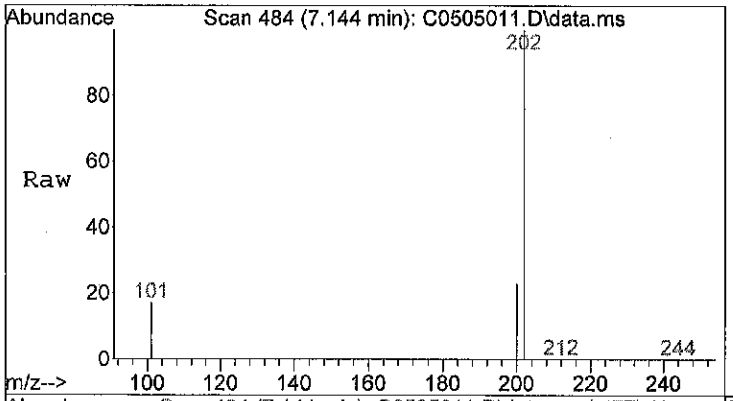
#14
Fluoranthene
Concen: 2551.21 ppb
RT: 6.981 min Scan# 467
Delta R.T. 0.209 min
Lab File: C0505011.D
Acq: 5 May 23 5:25 pm

Tgt Ion:202 Resp: 371296

Ion	Ratio	Lower	Upper
202	100		
101	15.9	0.0	31.5



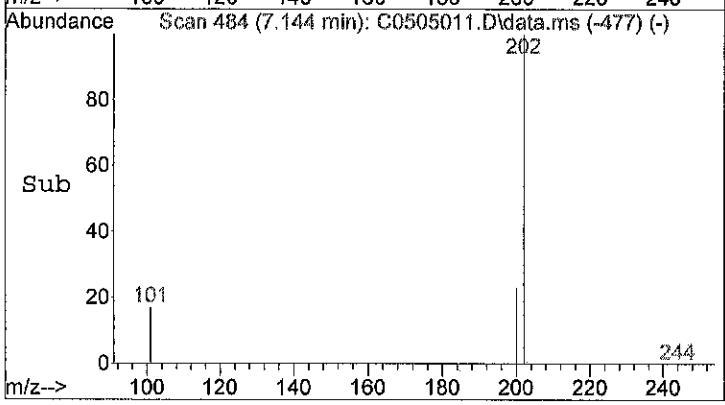


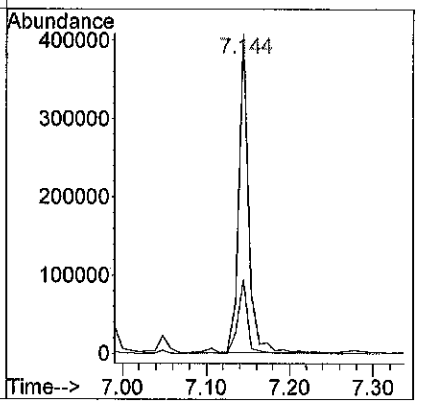


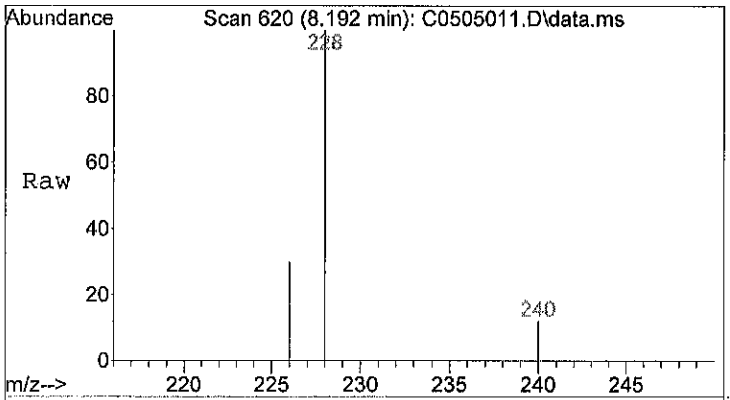
#15
Pyrene
Concen: 2351.71 ppb
RT: 7.144 min Scan# 484
Delta R.T. 0.219 min
Lab File: C0505011.D
Acq: 5 May 23 5:25 pm

Tgt Ion:202 Resp: 338807

Ion	Ratio	Lower	Upper
202	100		
200	22.9	0.0	39.9



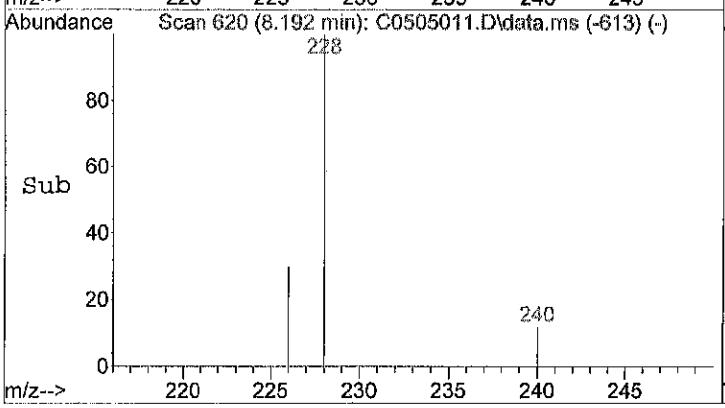


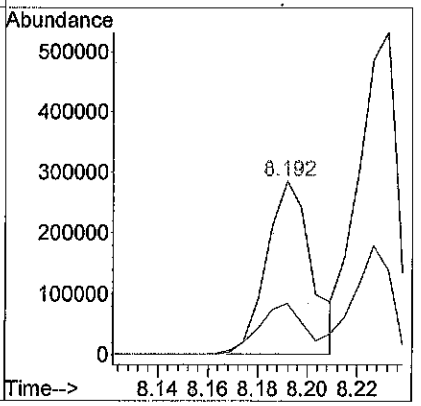


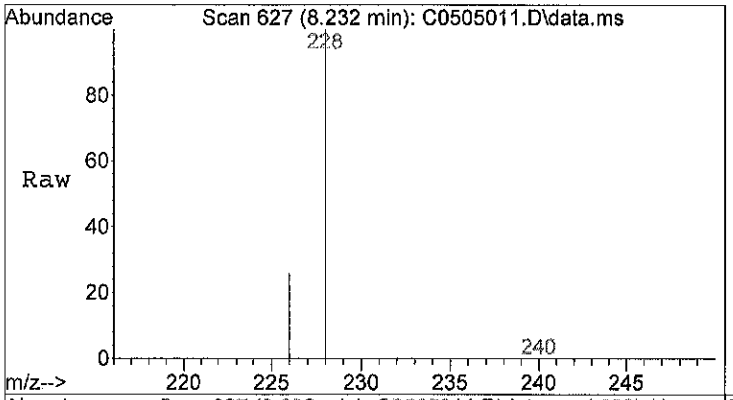
#18
Benzo[a]anthracene
Concen: 3132.08 ppb
RT: 8.192 min Scan# 620
Delta R.T. 0.279 min
Lab File: C0505011.D
Acq: 5 May 23 5:25 pm

Tgt Ion:228 Resp: 359909

Ion	Ratio	Lower	Upper
228	100		
226	29.6	5.3	45.3



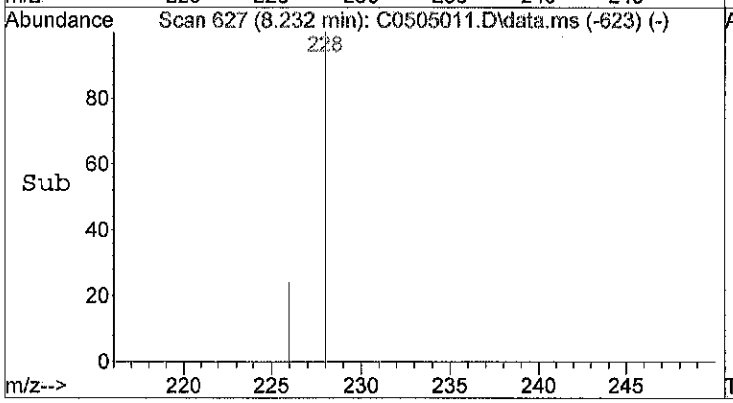


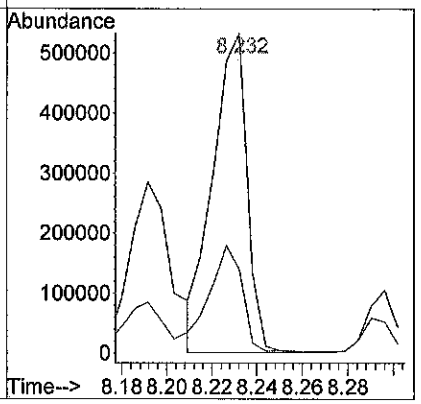


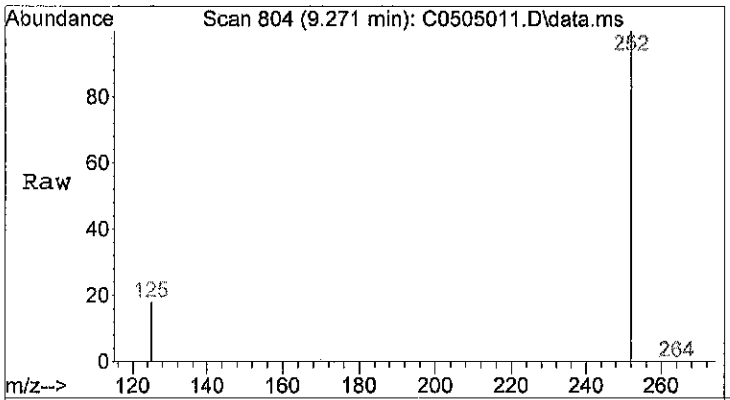
#19
Chrysene
Concen: 4254.35 ppb
RT: 8.232 min Scan# 627
Delta R.T. 0.291 min
Lab File: C0505011.D
Acq: 5 May 23 5:25 pm

Tgt Ion:228 Resp: 567411

Ion	Ratio	Lower	Upper
228	100		
226	33.4	8.7	48.7



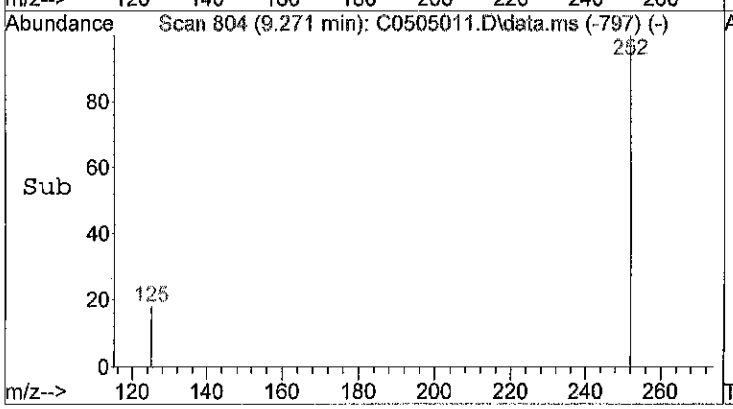


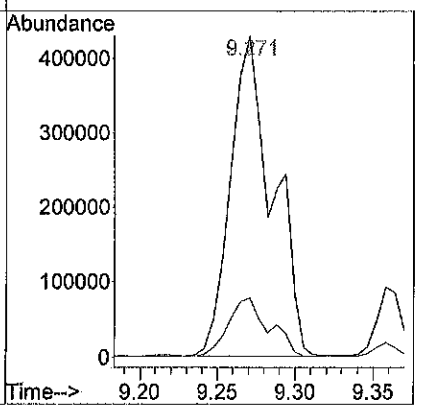


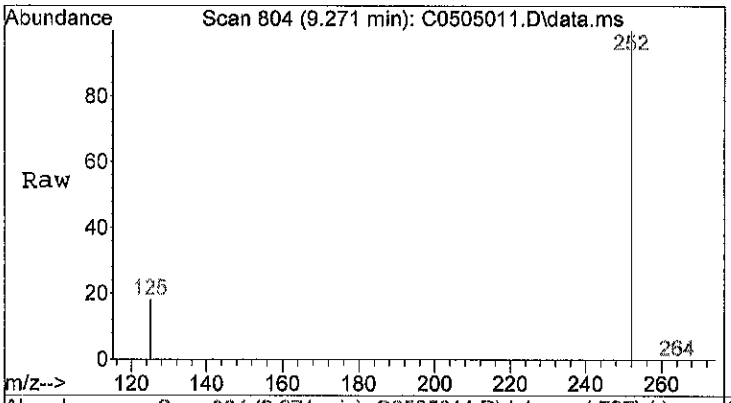
#21
Benzo[b]fluoranthene
Concen: 5499.21 ppb
RT: 9.271 min Scan# 804
Delta R.T. 0.326 min
Lab File: C0505011.D
Acq: 5 May 23 5:25 pm

Tgt Ion:252 Resp: 808621

Ion	Ratio	Lower	Upper
252	100		
125	17.5	0.0	31.5



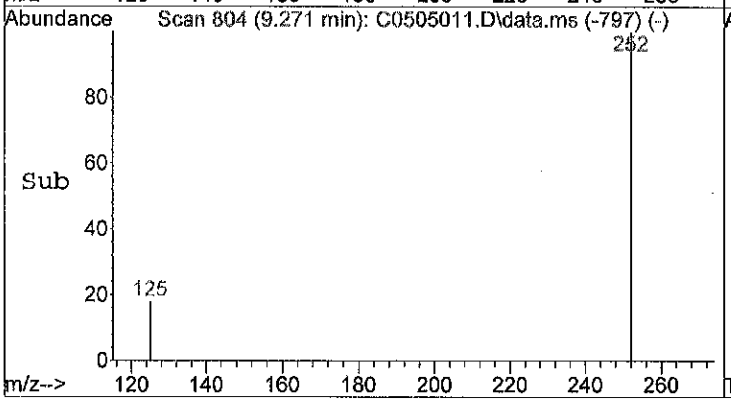


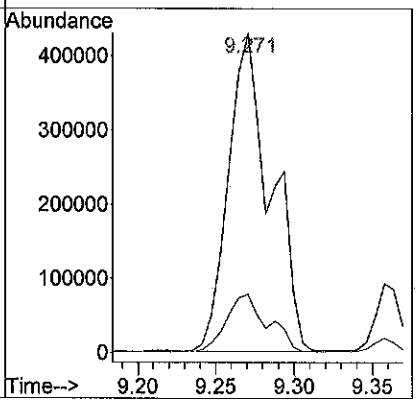


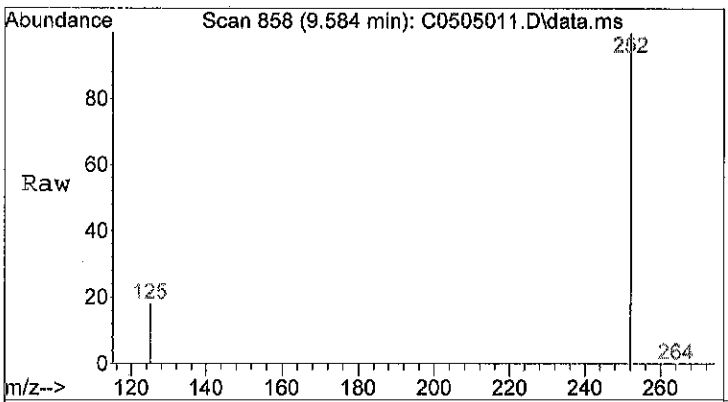
#22
Benzo(j,k)fluoranthene
Concen: 5977.12 ppb
RT: 9.271 min Scan# 804
Delta R.T. 0.297 min
Lab File: C0505011.D
Acq: 5 May 23 5:25 pm

Tgt Ion:252 Resp: 808621

Ion	Ratio	Lower	Upper
252	100		
125	17.5	0.0	31.2



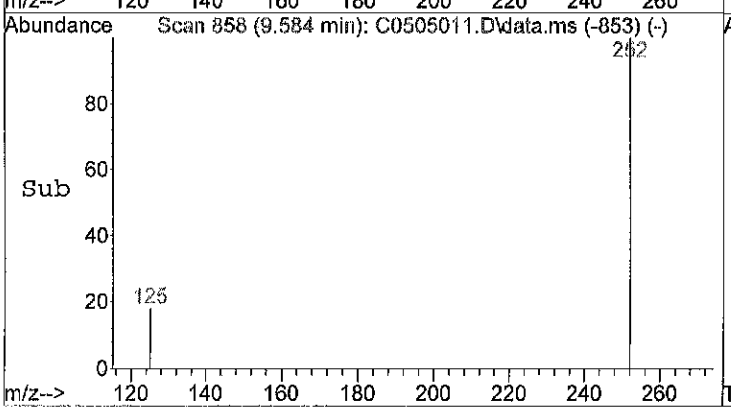


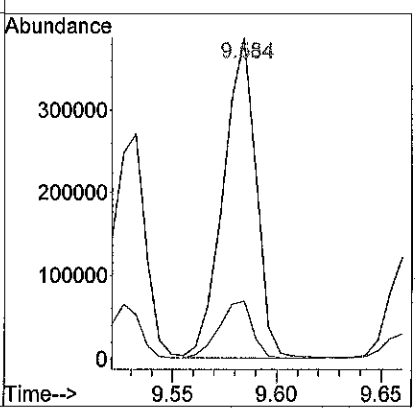


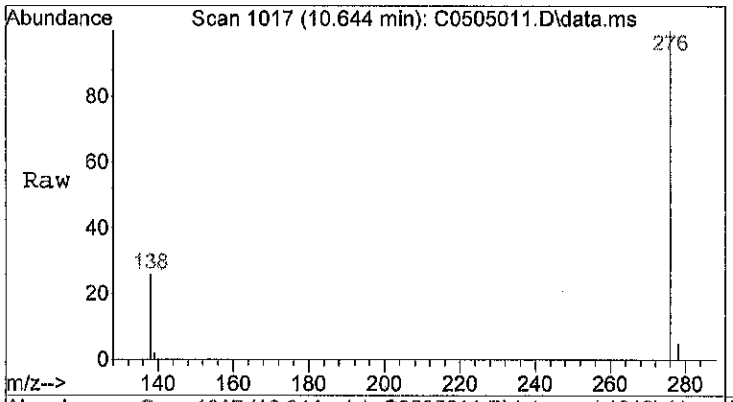
#23
Benzo[a]pyrene
Concen: 3347.09 ppb
RT: 9.584 min Scan# 858
Delta R.T. 0.332 min
Lab File: C0505011.D
Acq: 5 May 23 5:25 pm

Tgt Ion:252 Resp: 422160

Ion	Ratio	Lower	Upper
252	100		
125	17.9	0.0	32.5



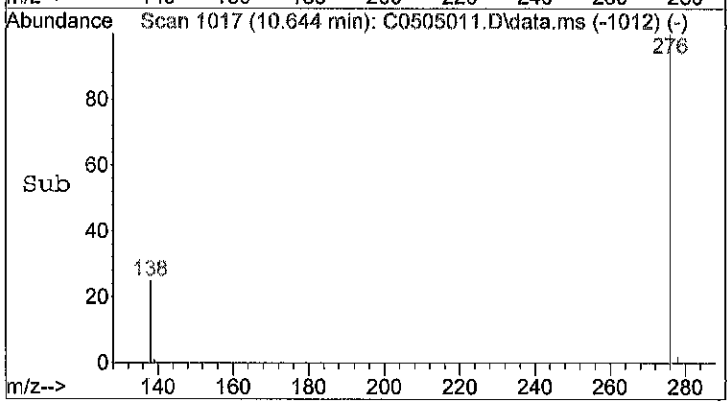


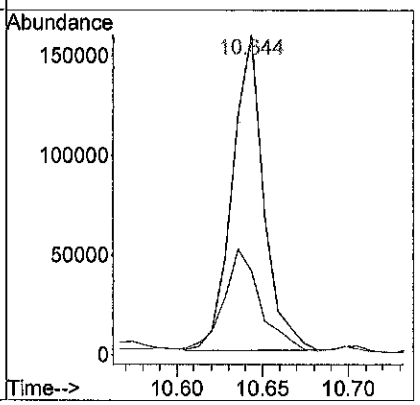


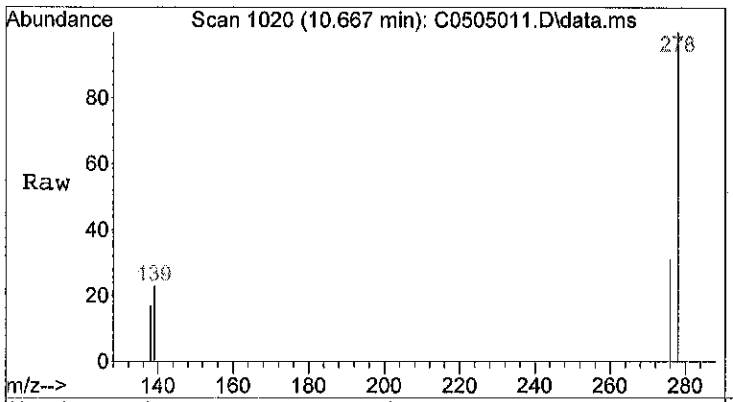
#24
Indeno(1,2,3-c,d)pyrene
Concen: 1487.65 ppb
RT: 10.644 min Scan# 1017
Delta R.T. 0.349 min
Lab File: C0505011.D
Acq: 5 May 23 5:25 pm

Tgt Ion:276 Resp: 201763

Ion	Ratio	Lower	Upper
276	100		
138	39.6	2.5	42.5



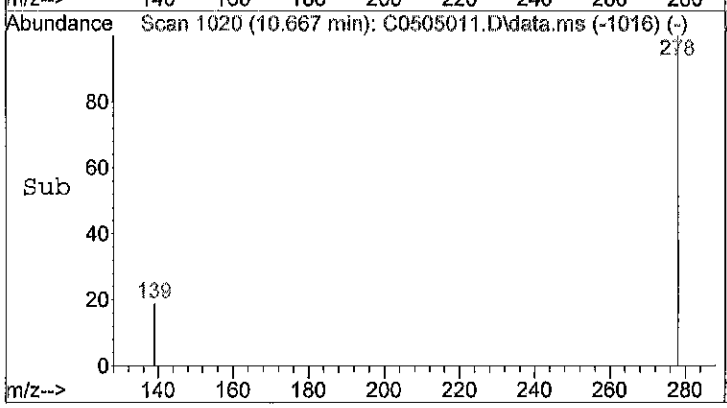


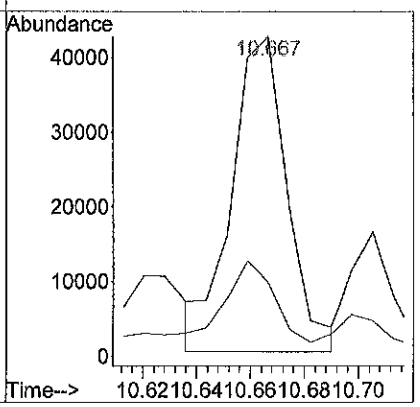


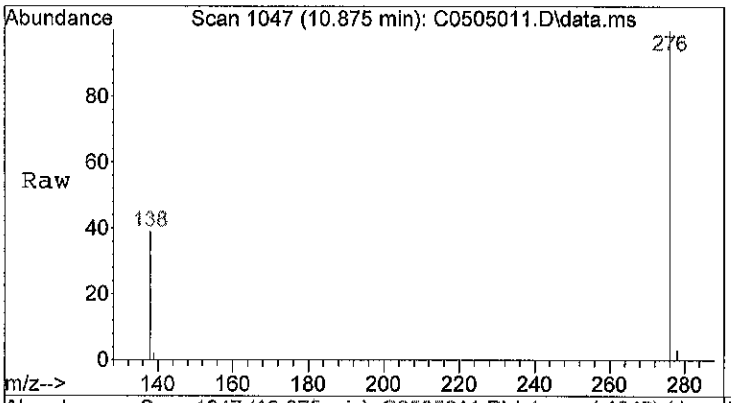
#25
Dibenz[a,h]anthracene
Concen: 460.20 ppb
RT: 10.667 min Scan# 1020
Delta R.T. 0.341 min
Lab File: C0505011.D
Acq: 5 May 23 5:25 pm

Tgt Ion:278 Resp: 60397

Ion	Ratio	Lower	Upper
278	100		
139	33.7	0.0	39.1



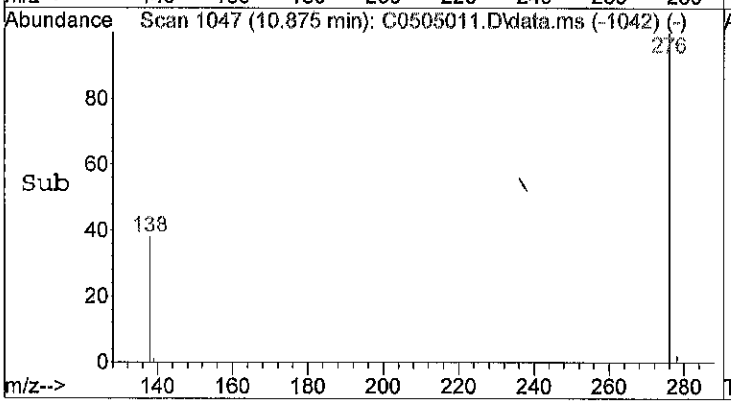


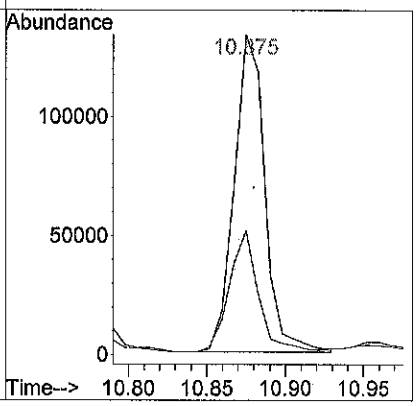


#26
Benzo[g,h,i]perylene
Concen: 1286.53 ppb
RT: 10.875 min Scan# 1047
Delta R.T. 0.356 min
Lab File: C0505011.D
Acq: 5 May 23 5:25 pm

Tgt Ion:276 Resp: 180052

Ion	Ratio	Lower	Upper
276	100		
138	36.5	4.1	44.1





Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230505\R0505018.D Vial: 18
Acq On : 5 May 2023 10:22 pm Operator: JP
Sample : 04-330-02 10X Inst : Ralph
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 8 14:51 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230410

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.21	152	1047619	25.00	ug/mL	-0.14
20) Naphthalene-d8	7.83	136	3835058	25.00	ug/mL	-0.14
35) Acenaphthene-d10	10.05	164	1983465	25.00	ug/mL	-0.14
61) Phenanthrene-d10	11.93	188	2908633	25.00	ug/mL	-0.15
75) Chrysene-d12	16.49	240	2311923	25.00	ug/mL	-0.21
86) Perylene-d12	19.52	264	2510931	25.00	ug/mL	-0.25
System Monitoring Compounds						
4) 2-Fluorophenol	4.68	112	157891	2.56	ug/mL	-0.05
Spiked Amount 40.000	Range 21 - 110		Recovery =	6.40%#		
5) Phenol-d6	5.83	99	255833	3.32	ug/mL	-0.02
Spiked Amount 40.000	Range 10 - 110		Recovery =	8.30%#		
21) Nitrobenzene-d5	6.89	82	160299	2.66	ug/mL	-0.14
Spiked Amount 40.000	Range 35 - 114		Recovery =	6.65%#		
40) 2-Fluorobiphenyl	9.17	172	272282	2.80	ug/mL	-0.14
Spiked Amount 40.000	Range 43 - 116		Recovery =	7.00%#		
65) 2,4,6-Tribromophenol	11.04	330	40836	2.96	ug/mL	-0.13
Spiked Amount 40.000	Range 10 - 123		Recovery =	7.40%#		
78) Terphenyl-d14	14.41	244	266982	2.87	ug/mL	-0.19
Spiked Amount 40.000	Range 33 - 141		Recovery =	7.18%#		
Target Compounds						Qvalue
48) Acenaphthylene	9.86	152	153501	1.11	ug/mL	95
50) 2,4-Dinitrophenol	10.11	184	149	2.41	ug/mL#	1
51) Acenaphthene	10.08	154	126180	1.47	ug/mL	95
54) Dibenzofuran	10.29	168	152638	1.24	ug/mL	97
60) Fluorene	10.72	166	397906	4.11	ug/mL	97
62) 4,6-Dinitro-2-methylphenol	10.76	198	222	1.07	ug/mL#	1
68) Pentachlorophenol	11.69	266	9331	1.53	ug/mL	89
70) Phenanthrene	11.96	178	1987555	14.31	ug/mL	99
71) Anthracene	12.03	178	1018829	7.30	ug/mL	99
72) Carbazole	12.25	167	265924	2.00	ug/mL	98
74) Fluoranthene	13.77	202	1882975	14.81	ug/mL	91
77) Pyrene	14.16	202	1619998	12.10	ug/mL	91
82) Benzo[a]anthracene	16.47	228	878117	7.43	ug/mL	91
83) Chrysene	16.54	228	1307544	11.79	ug/mL	96
87) Benzo[b]fluoranthene	18.67	252	1488504m	12.75	ug/mL	
88) Benzo(j,k)fluoranthene	18.71	252	384660m	3.40	ug/mL	
89) Benzo[a]pyrene	19.38	252	907386	9.04	ug/mL	90
90) Indeno[1,2,3-cd]pyrene	22.42	276	446879	4.38	ug/mL#	60
91) Dibenz[a,h]anthracene	22.47	278	125183	1.28	ug/mL	80
92) Benzo[g,h,i]perylene	23.30	276	406053	4.14	ug/mL	80

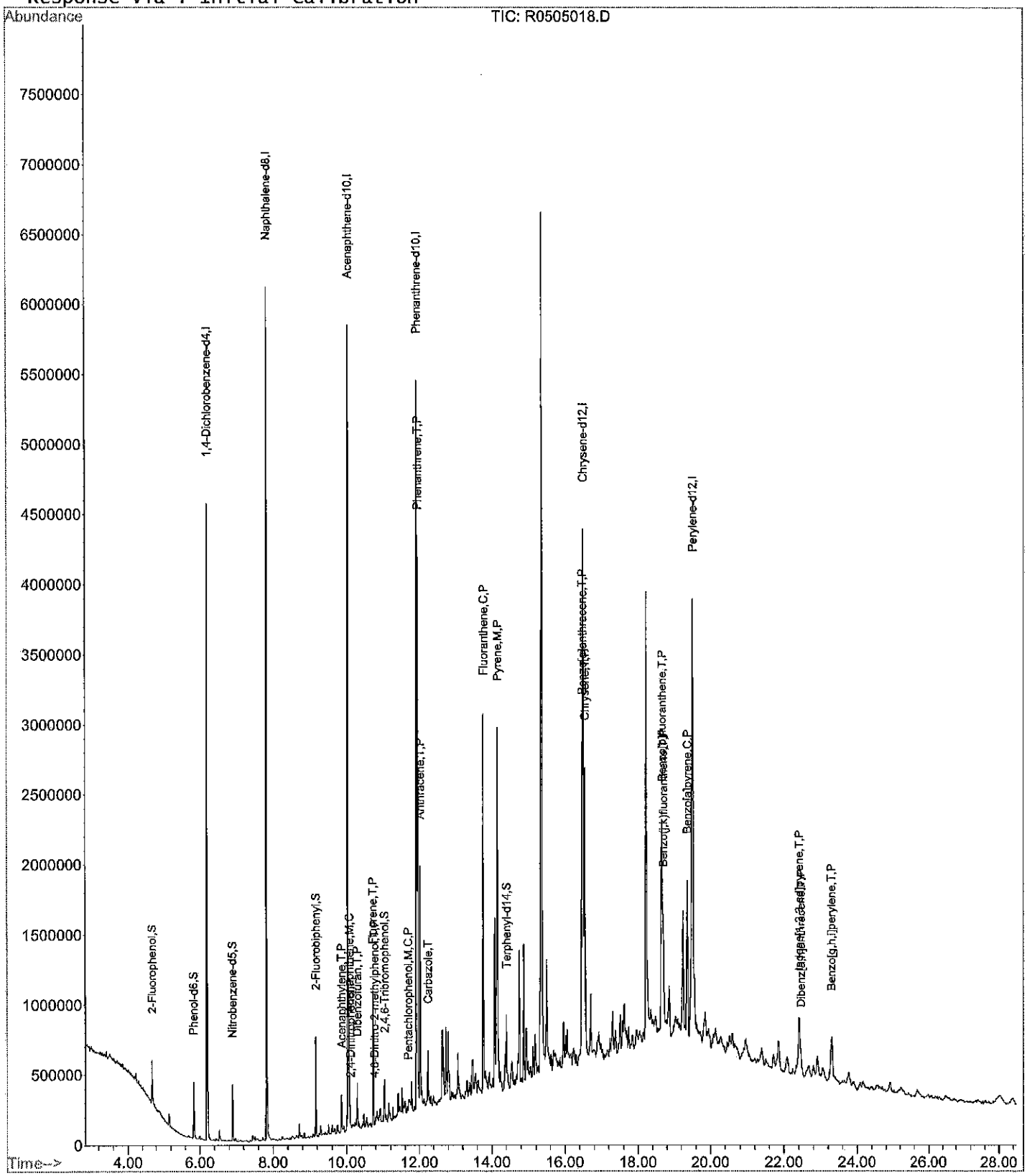
JP 6/2/23

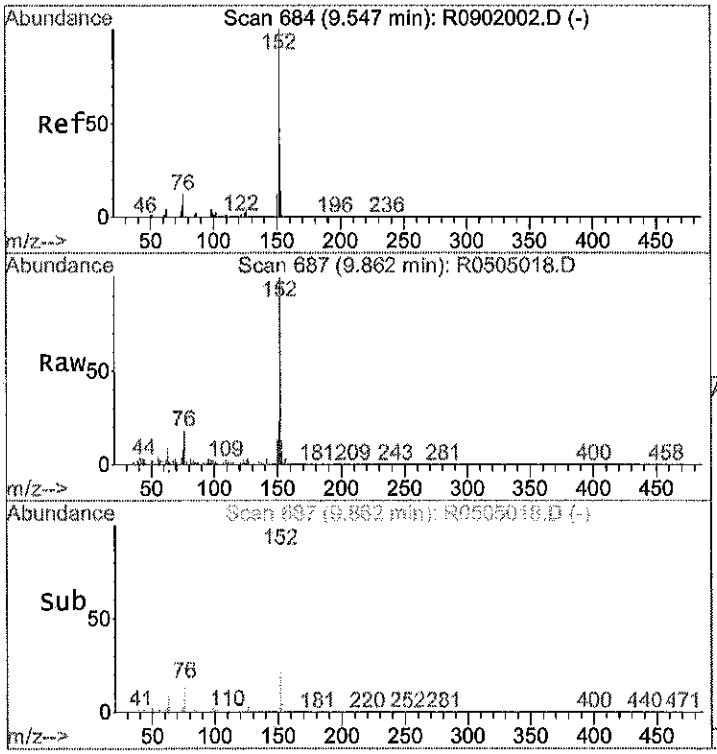
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230505\R0505018.D Vial: 18
Acq On : 5 May 2023 10:22 pm Operator: JP
Sample : 04-330-02 10X Inst : Ralph
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 8 14:51 2023 Quant Results File: SV230410.RES

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Thu May 11 08:45:53 2023
Response via : Initial Calibration

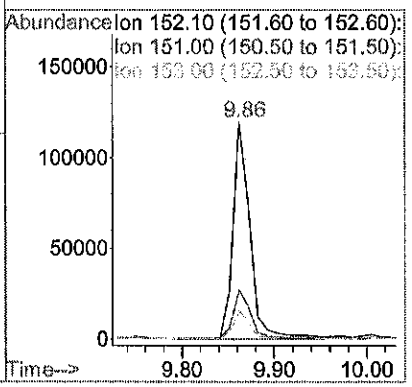


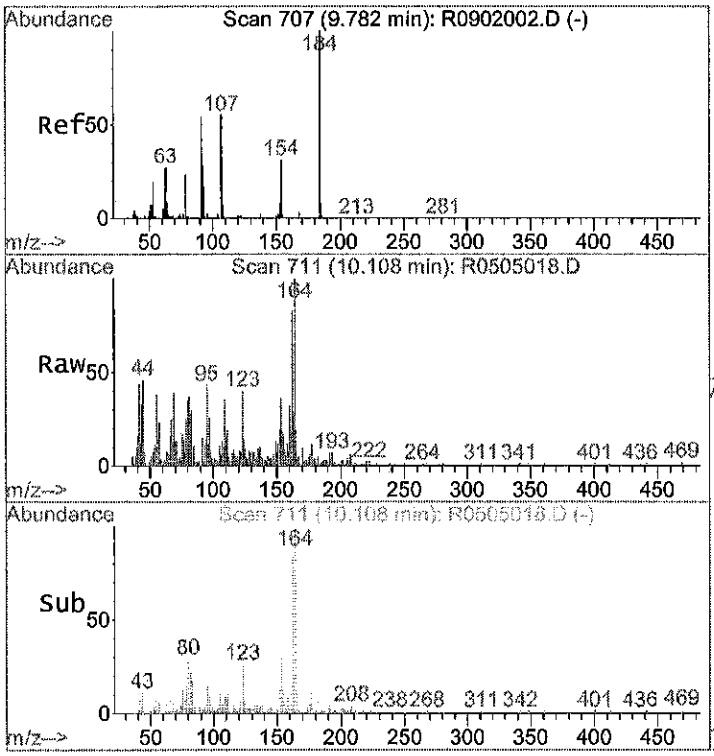


#48
Acenaphthylene
Concen: 1.11 ug/mL
RT: 9.86 min Scan# 687
Delta R.T. -0.15 min
Lab File: R0505018.D
Acq: 5 May 2023 10:22 pm

Tgt Ion:152 Resp: 153501

Ion	Ratio	Lower	Upper
152	100		
151	22.3	0.0	39.5
153	12.0	0.0	33.4

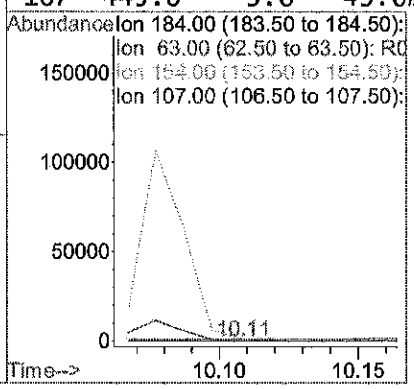


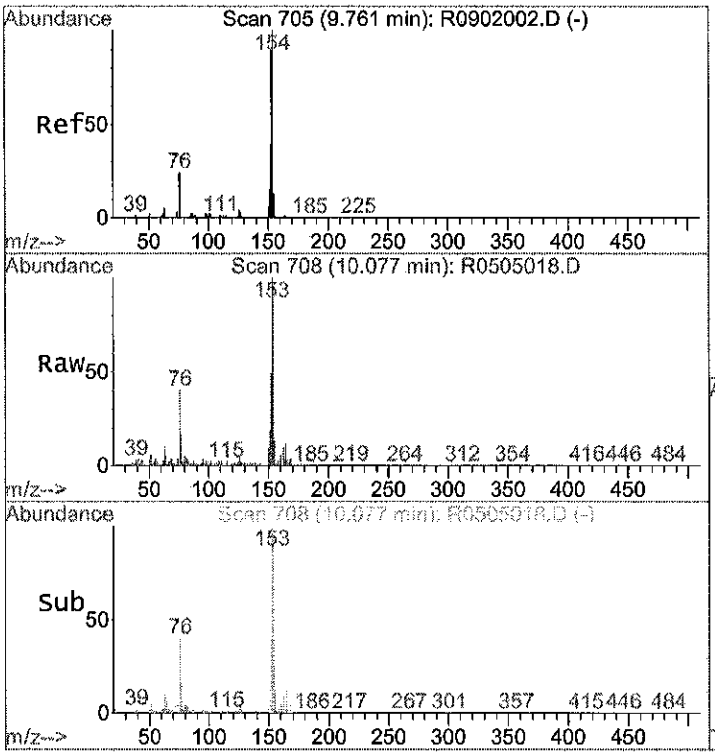


#50
2,4-Dinitrophenol
Concen: 2.41 ug/mL
RT: 10.11 min Scan# 711
Delta R.T. -0.12 min
Lab File: R0505018.D
Acq: 5 May 2023 10:22 pm

Tgt Ion:184 Resp: 149

Ion	Ratio	Lower	Upper
184	100		
63	10585.9	121.7	181.7#
154	84684.6	546.6	606.6#
107	445.0	9.6	49.6#

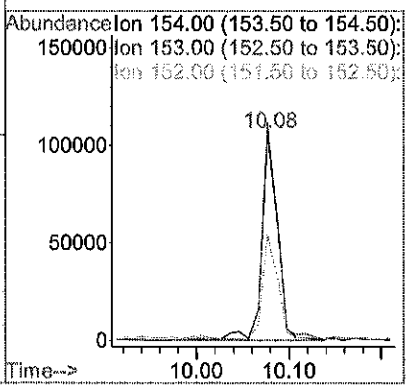


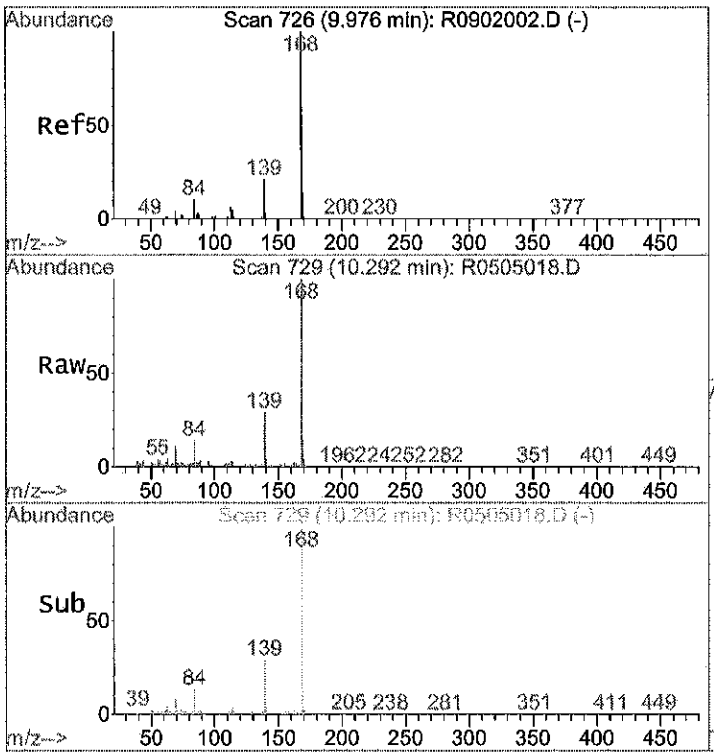


#51
Acenaphthene
Concen: 1.47 ug/mL
RT: 10.08 min Scan# 708
Delta R.T. -0.15 min
Lab File: R0505018.D
Acq: 5 May 2023 10:22 pm

Tgt Ion:154 Resp: 126180

Ion	Ratio	Lower	Upper
154	100		
153	99.3	75.6	115.6
152	48.1	23.3	63.3

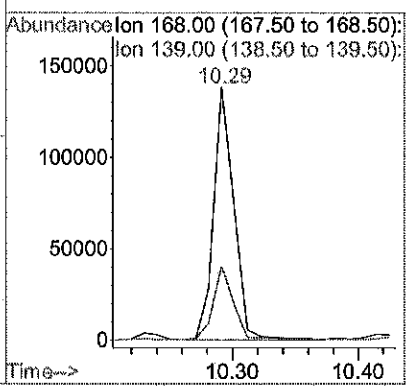


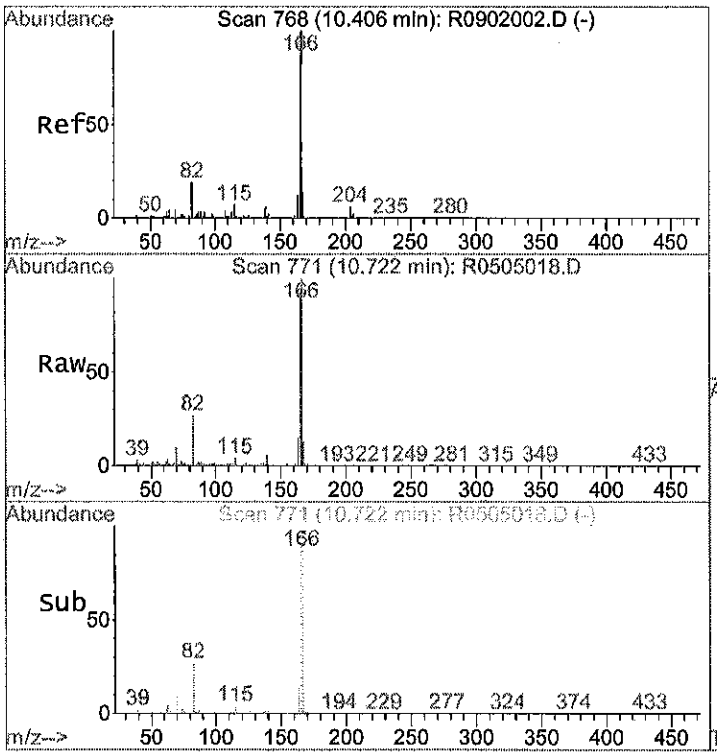


#54
Dibenzofuran
Concen: 1.24 ug/mL
RT: 10.29 min Scan# 729
Delta R.T. -0.14 min
Lab File: R0505018.D
Acq: 5 May 2023 10:22 pm

Tgt Ion:168 Resp: 152638

Ion	Ratio	Lower	Upper
168	100		
139	29.0	10.6	50.6

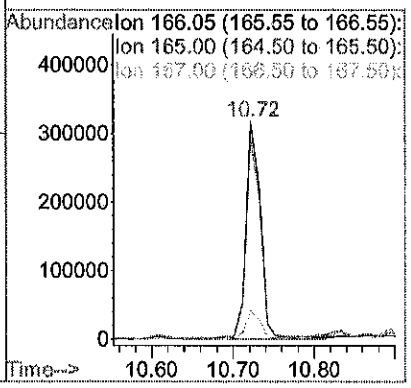


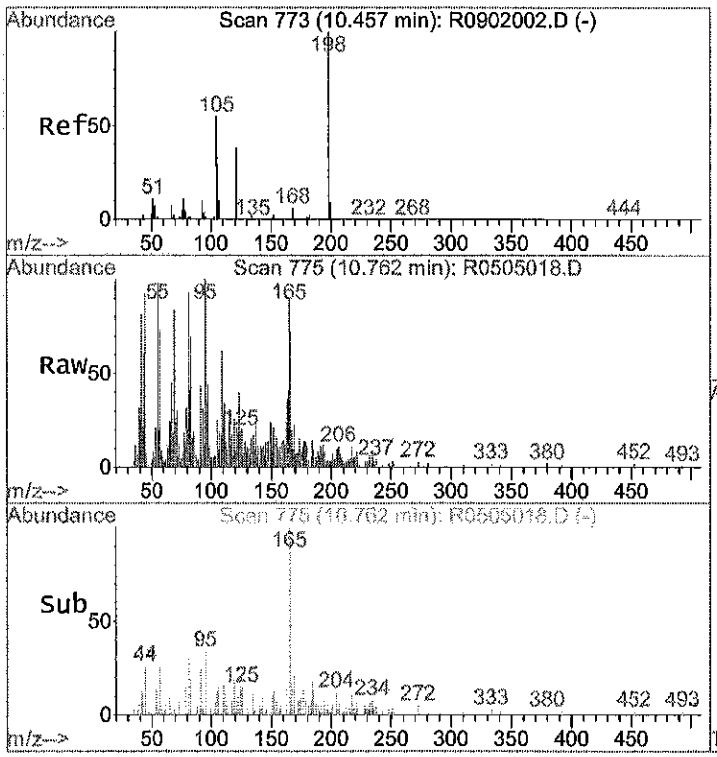


#60
Fluorene
Concen: 4.11 ug/mL
RT: 10.72 min Scan# 771
Delta R.T. -0.15 min
Lab File: R0505018.D
Acq: 5 May 2023 10:22 pm

Tgt Ion:166 Resp: 397906

Ion	Ratio	Lower	Upper
166	100		
165	91.2	68.5	108.5
167	13.1	0.0	33.5

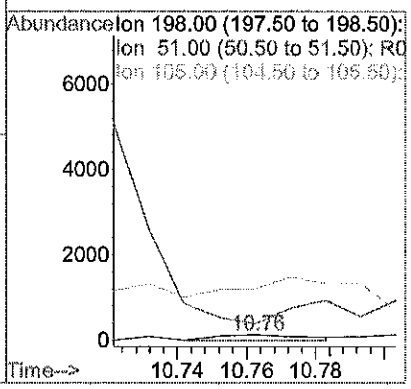


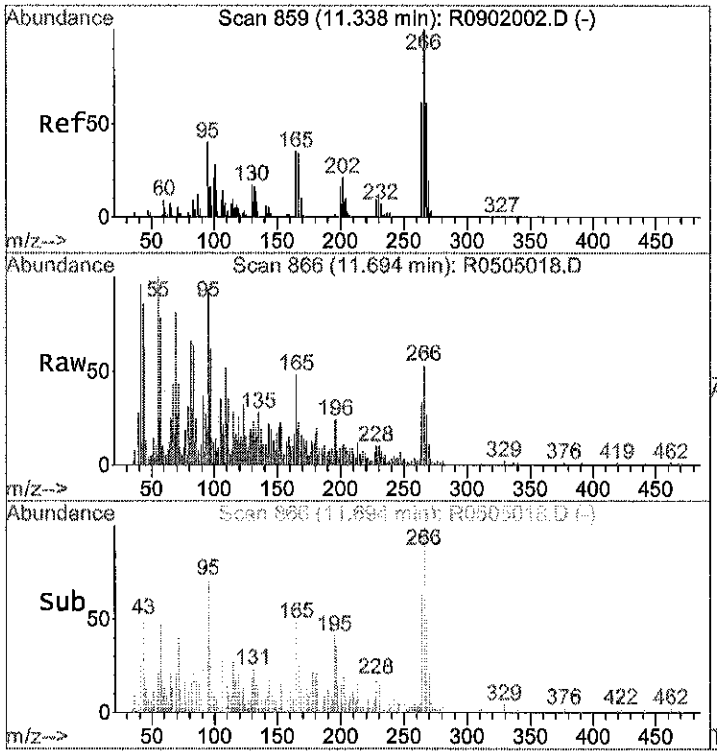


#62
4,6-Dinitro-2-methylphenol
Concen: 1.07 ug/mL
RT: 10.76 min Scan# 775
Delta R.T. -0.14 min
Lab File: R0505018.D
Acq: 5 May 2023 10:22 pm

Tgt Ion:198 Resp: 222

Ion	Ratio	Lower	Upper
198	100		
51	304.5	40.9	80.9#
105	815.8	15.7	55.7#

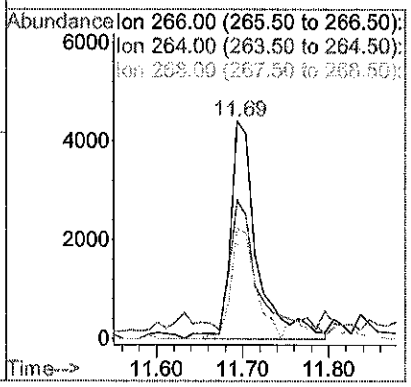


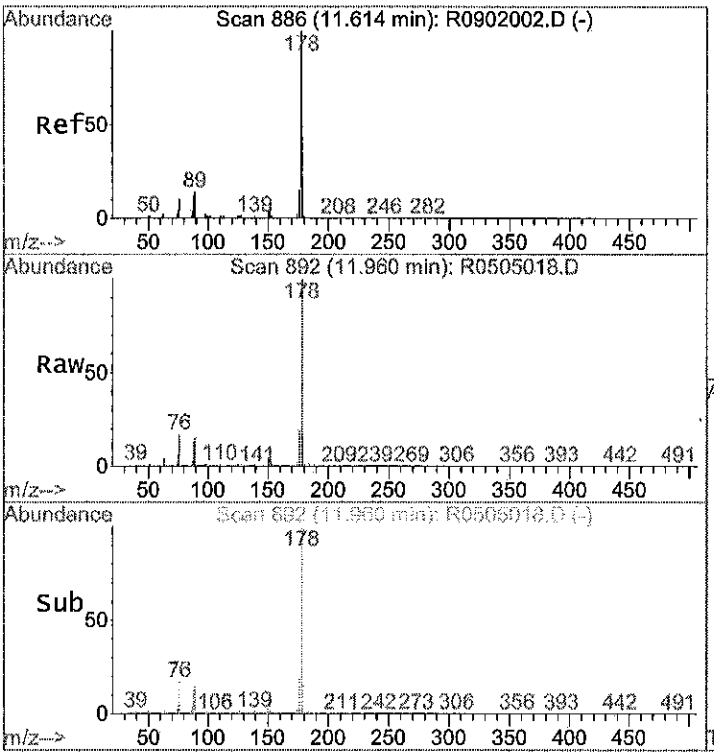


#68
Pentachlorophenol
Concen: 1.53 ug/mL
RT: 11.69 min Scan# 866
Delta R.T. -0.12 min
Lab File: R0505018.D
Acq: 5 May 2023 10:22 pm

Tgt Ion:266 Resp: 9331

Ion	Ratio	Lower	Upper
266	100		
264	62.1	42.8	82.8
268	47.6	44.0	84.0

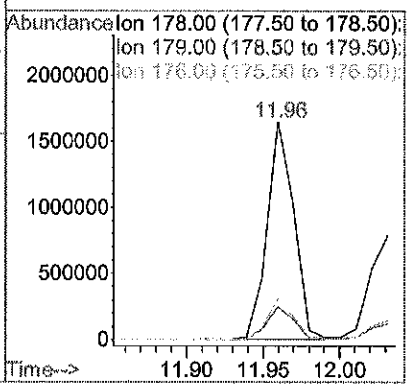


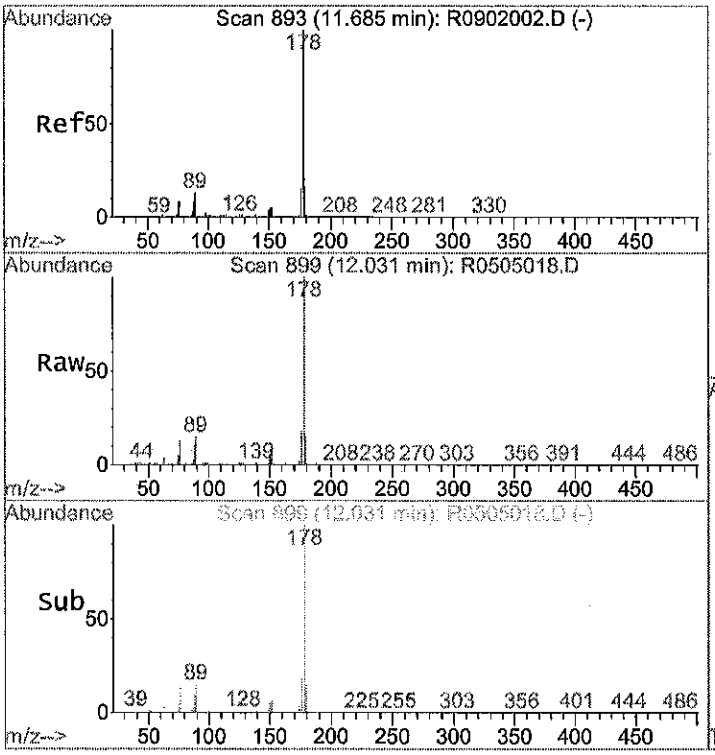


#70
Phenanthrene
Concen: 14.31 ug/mL
RT: 11.96 min Scan# 892
Delta R.T. -0.15 min
Lab File: R0505018.D
Acq: 5 May 2023 10:22 pm

Tgt Ion:178 Resp: 1987555

Ion	Ratio	Lower	Upper
178	100		
179	15.4	0.0	35.6
176	18.2	0.0	37.8

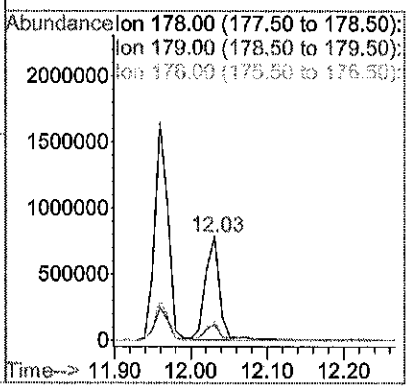


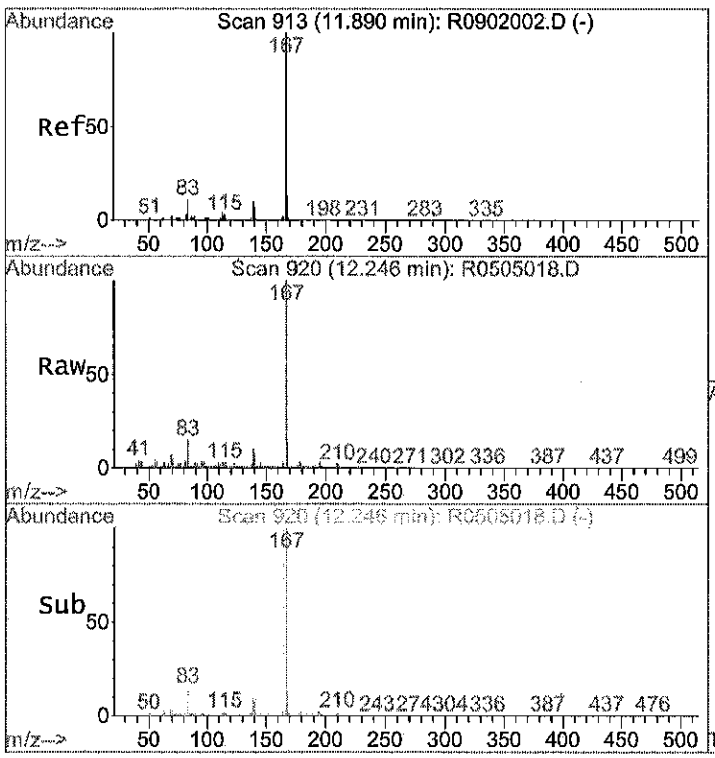


#71
Anthracene
Concen: 7.30 ug/mL
RT: 12.03 min Scan# 899
Delta R.T. -0.15 min
Lab File: R0505018.D
Acq: 5 May 2023 10:22 pm

Tgt Ion:178 Resp: 1018829

Ion	Ratio	Lower	Upper
178	100		
179	15.5	0.0	35.4
176	17.7	0.0	36.9

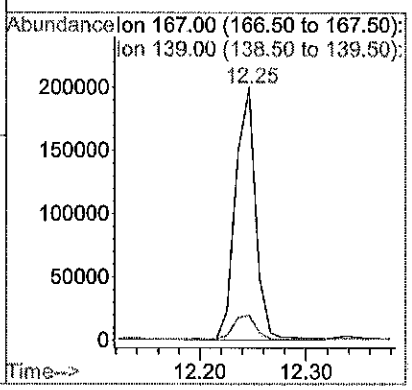


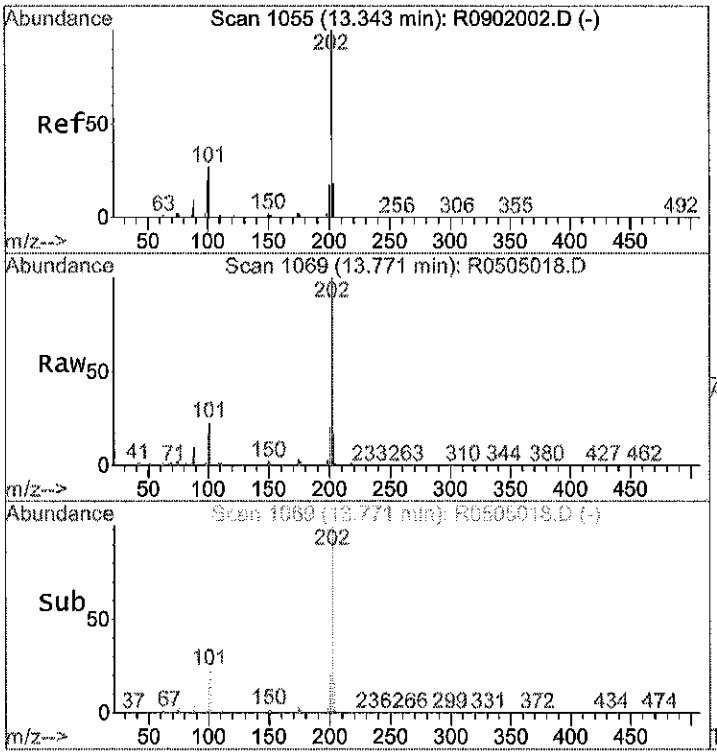


#72
Carbazole
Concen: 2.00 ug/mL
RT: 12.25 min Scan# 920
Delta R.T. -0.14 min
Lab File: R0505018.D
Acq: 5 May 2023 10:22 pm

Tgt Ion:167 Resp: 265924

Ion	Ratio	Lower	Upper
167	100		
139	10.9	0.0	31.5

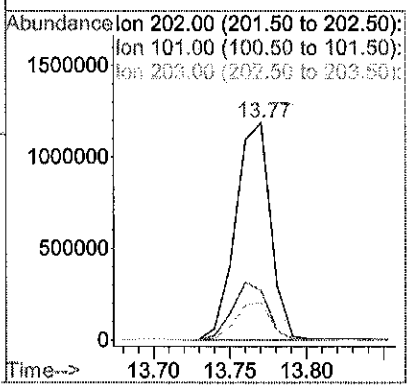


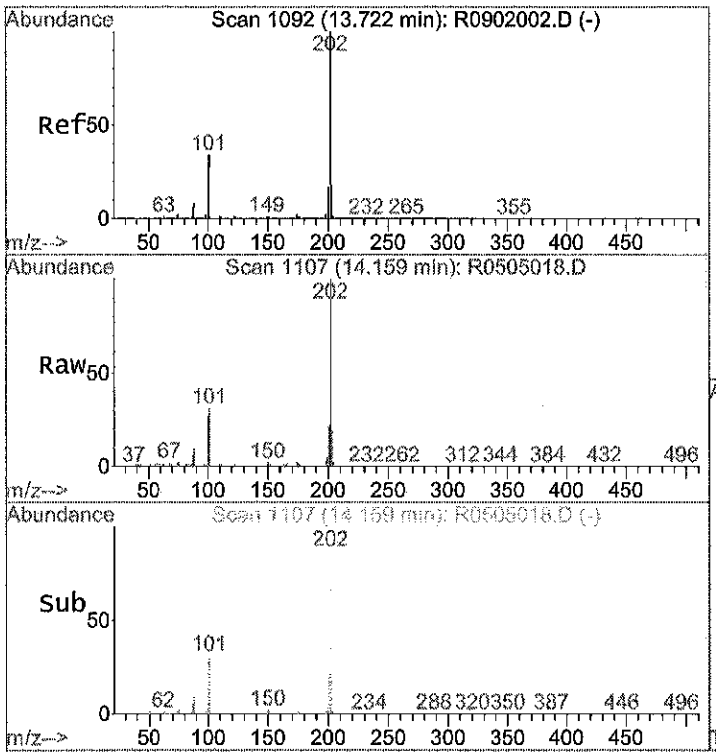


#74
Fluoranthene
Concen: 14.81 ug/mL
RT: 13.77 min Scan# 1069
Delta R.T. -0.18 min
Lab File: R0505018.D
Acq: 5 May 2023 10:22 pm

Tgt Ion:202 Resp: 1882975

Ion	Ratio	Lower	Upper
202	100		
101	26.2	0.0	38.8
203	17.1	0.0	37.4

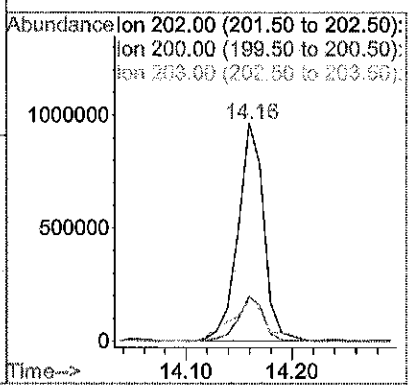


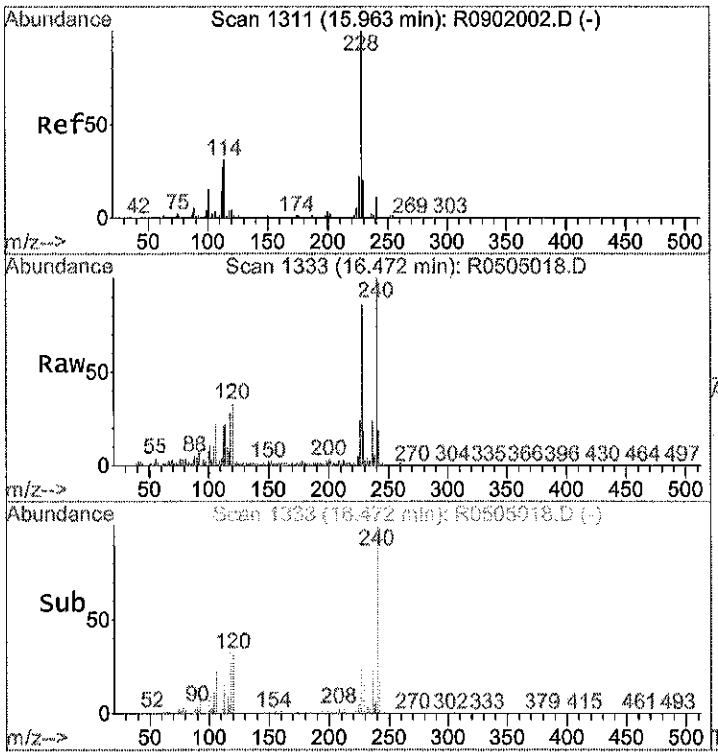


#77
Pyrene
Concen: 12.10 ug/mL
RT: 14.16 min Scan# 1107
Delta R.T. -0.19 min
Lab File: R0505018.D
Acq: 5 May 2023 10:22 pm

Tgt Ion:202 Resp: 1619998

Ion	Ratio	Lower	Upper
202	100		
200	20.3	0.0	39.3
203	25.5	0.0	38.0

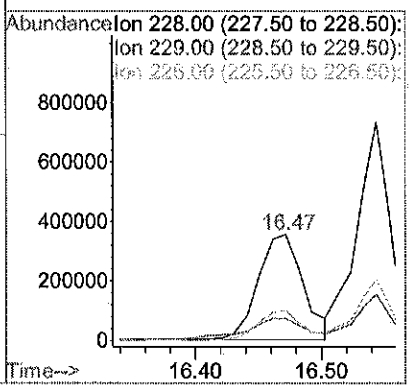


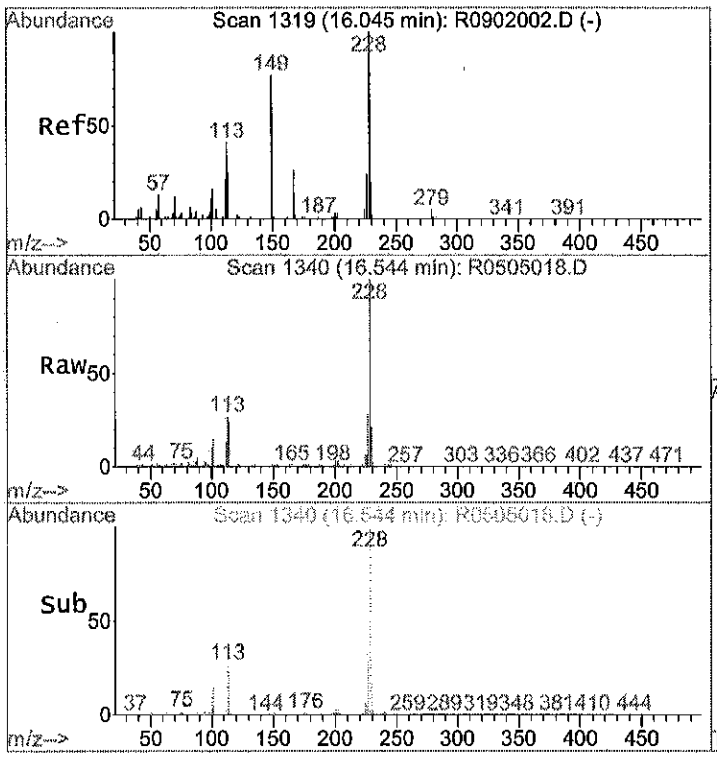


#82
Benzo[a]anthracene
Concen: 7.43 ug/mL
RT: 16.47 min Scan# 1333
Delta R.T. -0.20 min
Lab File: R0505018.D
Acq: 5 May 2023 10:22 pm

Tgt Ion:228 Resp: 878117

Ion	Ratio	Lower	Upper
228	100		
229	26.5	0.0	39.8
226	27.1	4.5	44.5

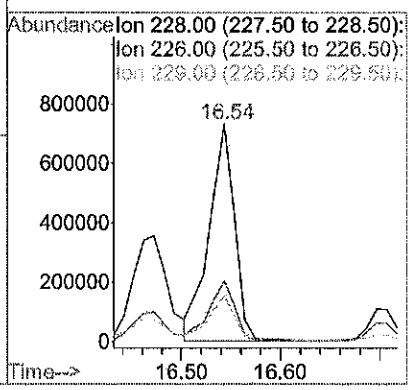


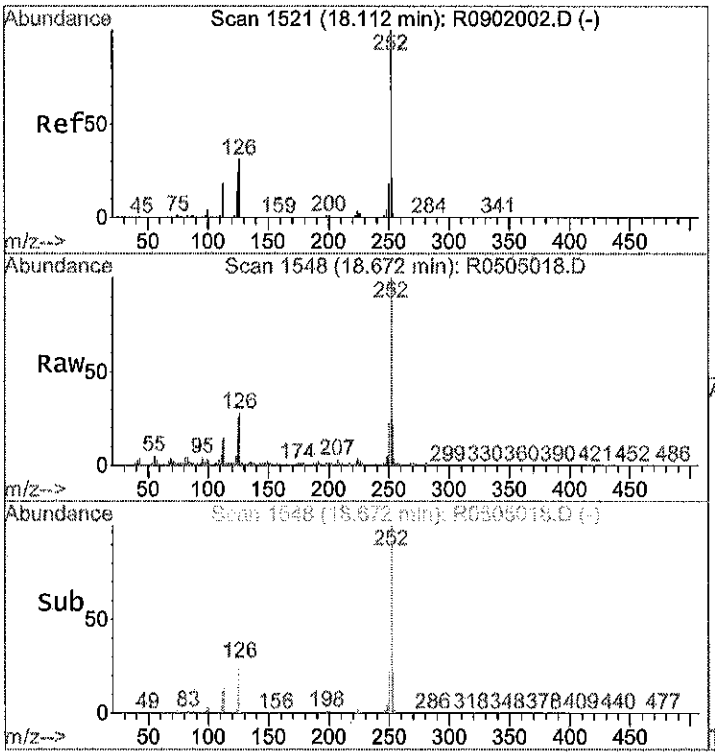


#83
Chrysene
Concen: 11.79 ug/mL
RT: 16.54 min Scan# 1340
Delta R.T. -0.21 min
Lab File: R0505018.D
Acq: 5 May 2023 10:22 pm

Tgt Ion:228 Resp: 1307544

Ion	Ratio	Lower	Upper
228	100		
226	28.7	7.2	47.2
229	22.1	0.0	39.9

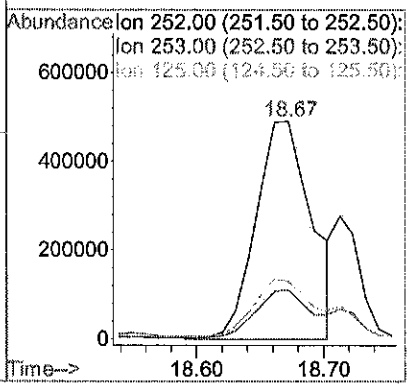


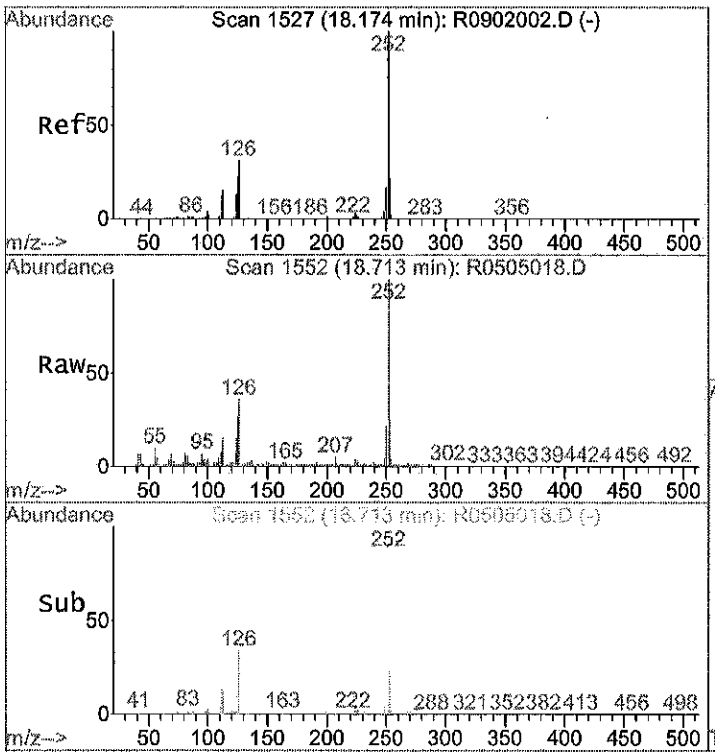


#87
Benzo[b]fluoranthene
Concen: 12.75 ug/mL m
RT: 18.67 min Scan# 1548
Delta R.T. -0.22 min
Lab File: R0505018.D
Acq: 5 May 2023 10:22 pm

Tgt Ion:252 Resp: 1488504

Ion	Ratio	Lower	Upper
252	100		
253	28.0	2.2	42.2
125	33.2	0.0	36.9

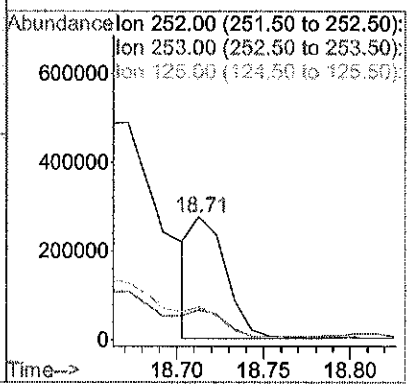


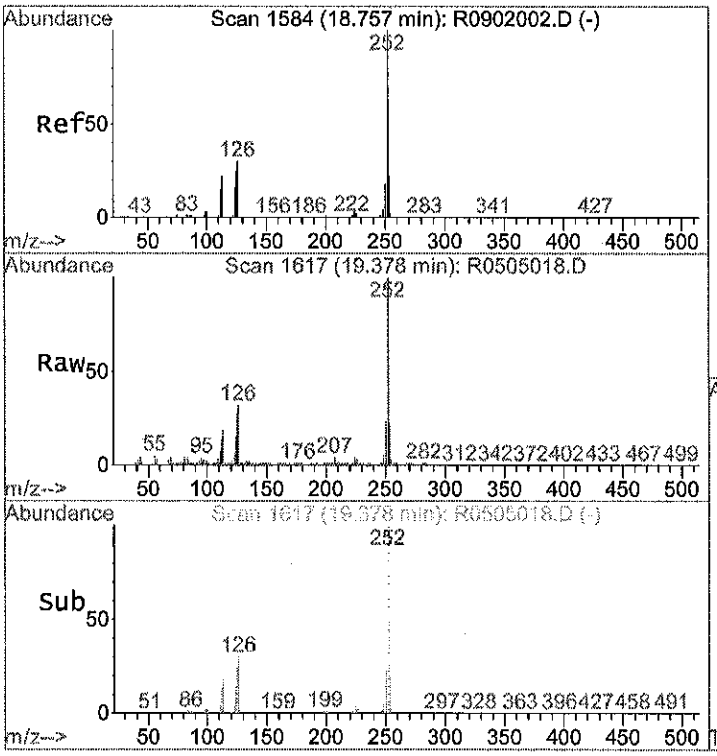


#88
Benzo(j,k)fluoranthene
Concen: 3.40 ug/mL m
RT: 18.71 min Scan# 1552
Delta R.T. -0.24 min
Lab File: R0505018.D
Acq: 5 May 2023 10:22 pm

Tgt Ion:252 Resp: 384660

Ion	Ratio	Lower	Upper
252	100		
253	108.5	2.1	42.1#
125	128.7	0.0	36.9#

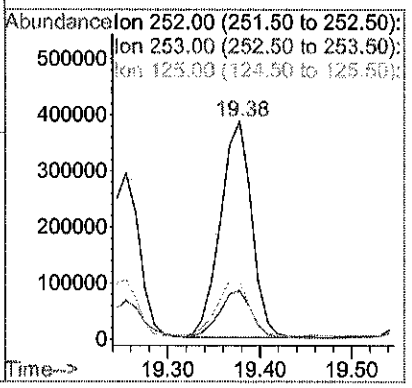


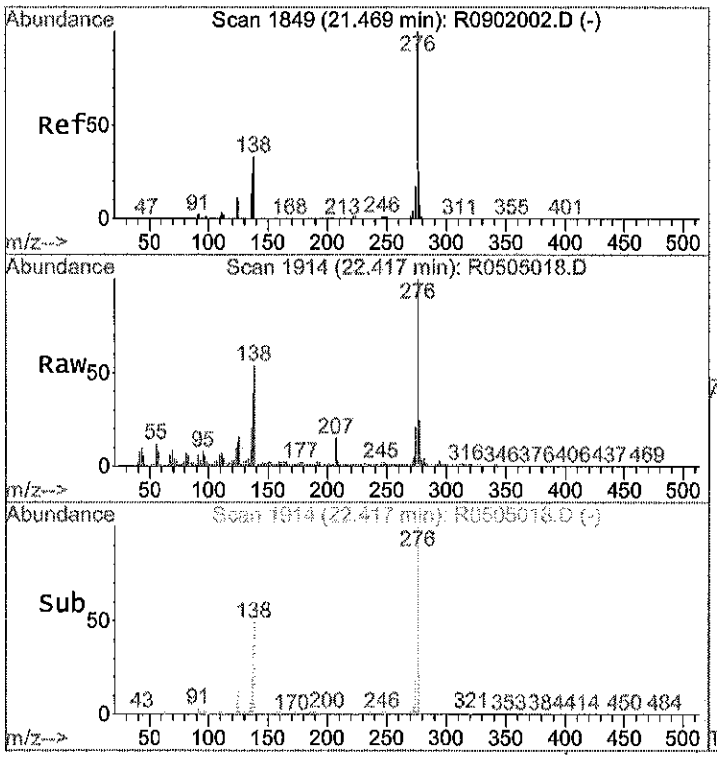


#89
Benzo[a]pyrene
Concen: 9.04 ug/mL
RT: 19.38 min Scan# 1617
Delta R.T. -0.25 min
Lab File: R0505018.D
Acq: 5 May 2023 10:22 pm

Tgt Ion:252 Resp: 907386

Ion	Ratio	Lower	Upper
252	100		
253	22.5	1.9	41.9
125	27.6	0.0	38.4

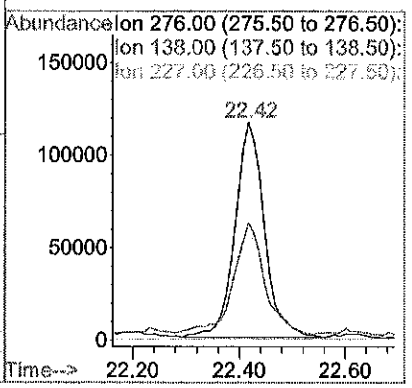


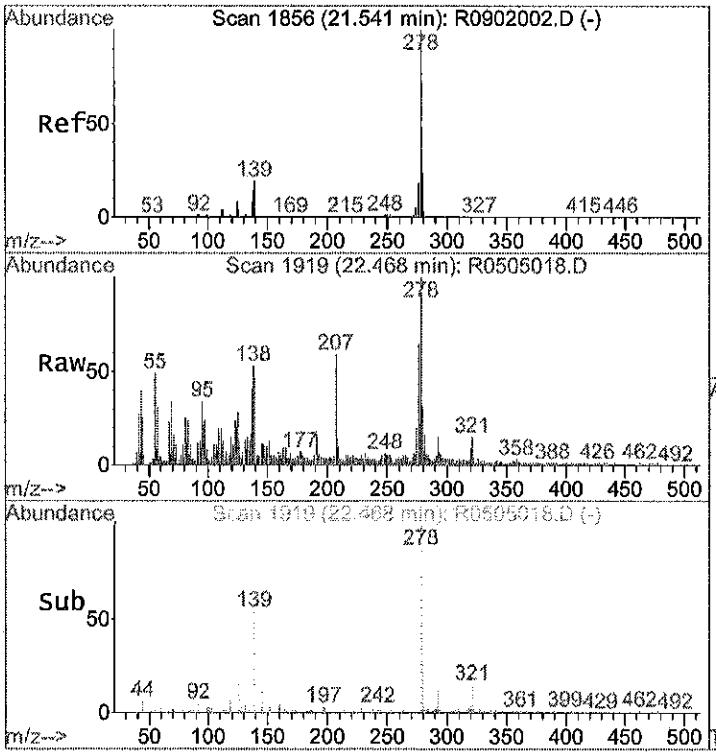


#90
Indeno[1,2,3-cd]pyrene
Concen: 4.38 ug/mL
RT: 22.42 min Scan# 1914
Delta R.T. -0.42 min
Lab File: R0505018.D
Acq: 5 May 2023 10:22 pm

Tgt Ion:276 Resp: 446879

Ion	Ratio	Lower	Upper
276	100		
138	55.4	12.7	52.7#
227	0.2	0.0	20.1

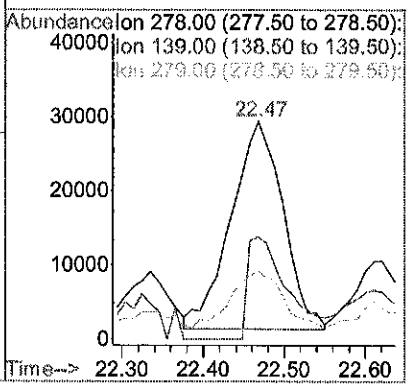


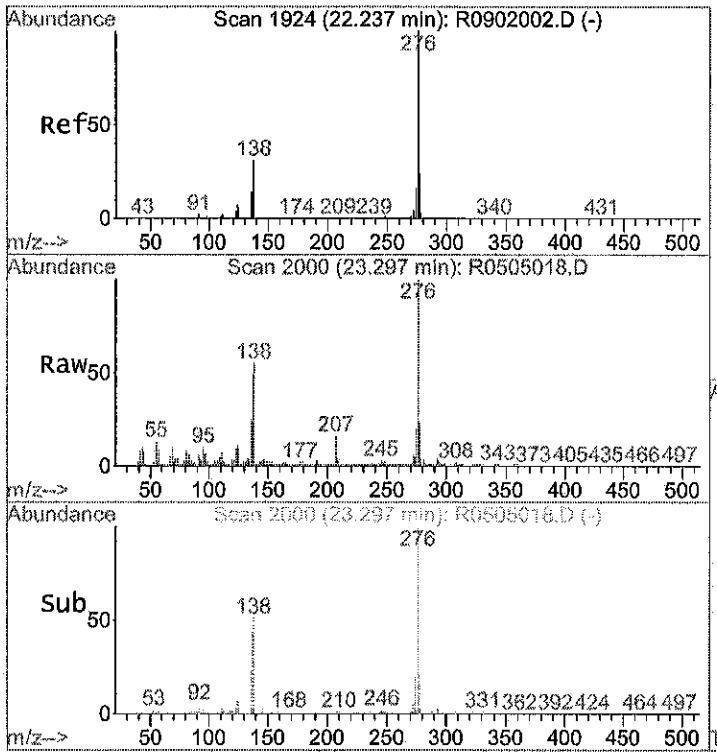


#91
Dibenz[a,h]anthracene
Concen: 1.28 ug/mL
RT: 22.47 min Scan# 1919
Delta R.T. -0.45 min
Lab File: R0505018.D
Acq: 5 May 2023 10:22 pm

Tgt Ion:278 Resp: 125183

Ion	Ratio	Lower	Upper
278	100		
139	38.3	5.4	45.4
279	30.4	3.5	43.5

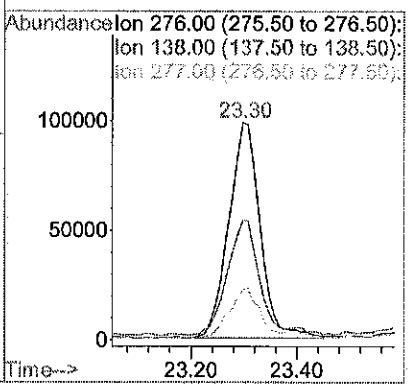




#92
Benzo[g,h,i]perylene
Concen: 4.14 ug/mL
RT: 23.30 min Scan# 2000
Delta R.T. -0.48 min
Lab File: R0505018.D
Acq: 5 May 2023 10:22 pm

Tgt Ion:276 Resp: 406053

Ion	Ratio	Lower	Upper
276	100		
138	53.0	14.8	54.8
277	22.6	3.7	43.7



Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230509\
Data File : J0509026.D
Acq On : 9 May 2023 8:50 pm
Operator : JP
Sample : 04-330-02 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 09 21:21:06 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.142	152	295047	25.00	ug/mL	0.00
20) Naphthalene-d8	7.764	136	1216416	25.00	ug/mL	0.00
36) Acenaphthene-d10	9.985	164	743876	25.00	ug/mL	-0.01
62) Phenanthrene-d10	11.883	188	1201775	25.00	ug/mL	0.00
76) Chrysene-d12	16.466	240	1076501	25.00	ug/mL	0.00
87) Perylene-d12	19.497	264	1114819	25.00	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.550	112	40599	2.41	ug/mL	-0.01
Spiked Amount 40.000	Range 21 - 110		Recovery = 6.03%#			
5) Phenol-d6	5.672	99	56052	2.65	ug/mL	-0.01
Spiked Amount 40.000	Range 10 - 110		Recovery = 6.63%#			
21) Nitrobenzene-d5	6.836	82	51560	2.51	ug/mL	-0.01
Spiked Amount 40.000	Range 35 - 114		Recovery = 6.28%#			
41) 2-Fluorobiphenyl	9.109	172	88945	2.33	ug/mL	-0.01
Spiked Amount 40.000	Range 43 - 116		Recovery = 5.83%#			
66) 2,4,6-Tribromophenol	10.978	330	12434	2.68	ug/mL	-0.01
Spiked Amount 40.000	Range 10 - 123		Recovery = 6.70%#			
79) Terphenyl-d14	14.368	244	104560	2.43	ug/mL	-0.02
Spiked Amount 40.000	Range 33 - 141		Recovery = 6.08%#			
Target Compounds						Qvalue
71) Phenanthrene	11.912	178	712309	13.34	ug/mL	98
72) Anthracene	11.983	178	326677	6.17	ug/mL	98
75) Fluoranthene	13.728	202	787211	13.37	ug/mL	86
78) Pyrene	14.127	202	651950	11.02	ug/mL	88
83) Benzo[a]anthracene	16.436	228	365418	6.57	ug/mL	96
84) Chrysene	16.513	228	561189	11.42	ug/mL	96
88) Benzo[b]fluoranthene	18.634	252	591151	10.71	ug/mL	89
89) Benzo(j,k)fluoranthene	18.634	252	591151	11.36	ug/mL	90
90) Benzo[a]pyrene	19.351	252	380642	8.14	ug/mL	86

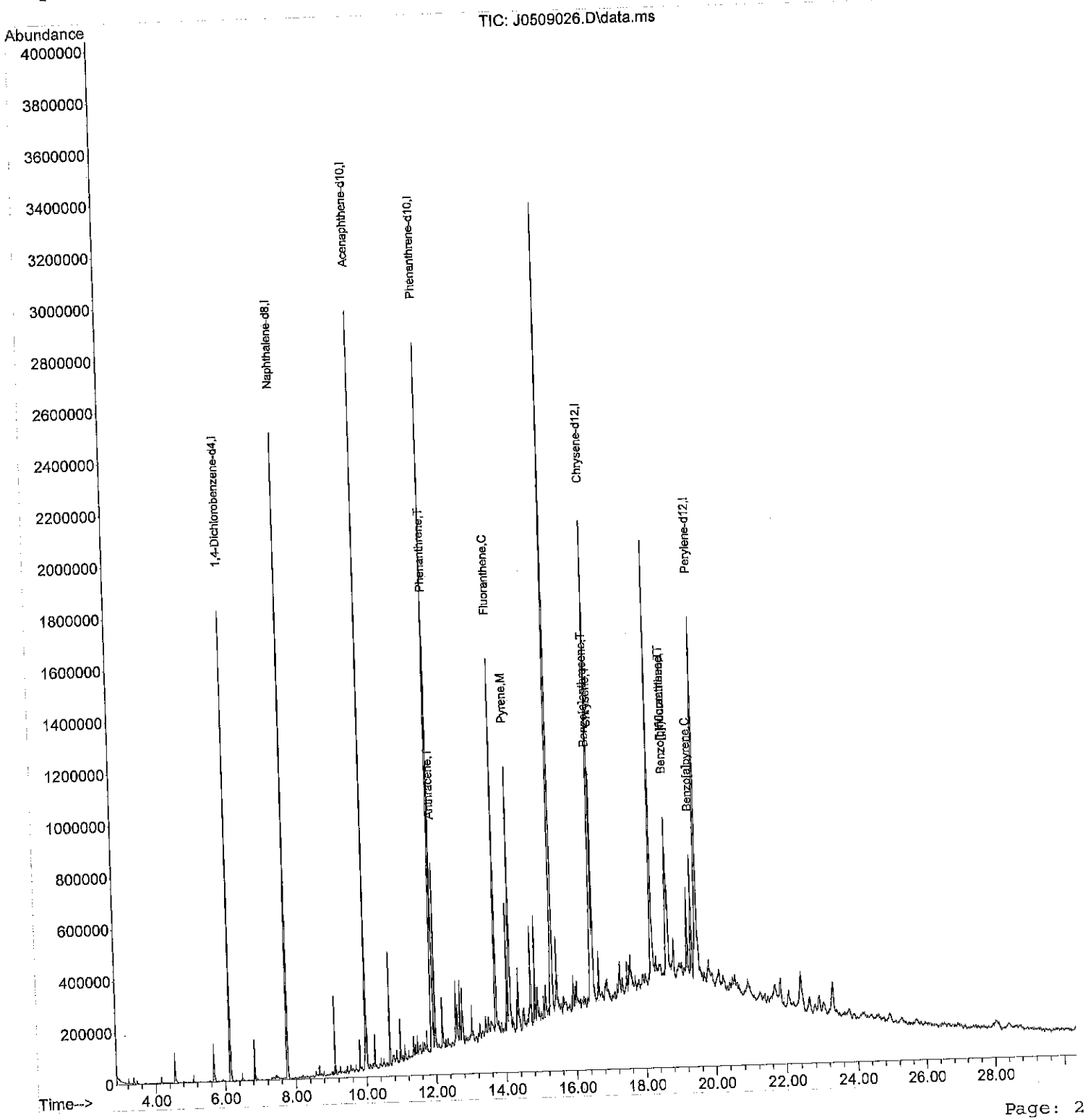
(#) = qualifier out of range (m) = manual integration (+) = signals summed

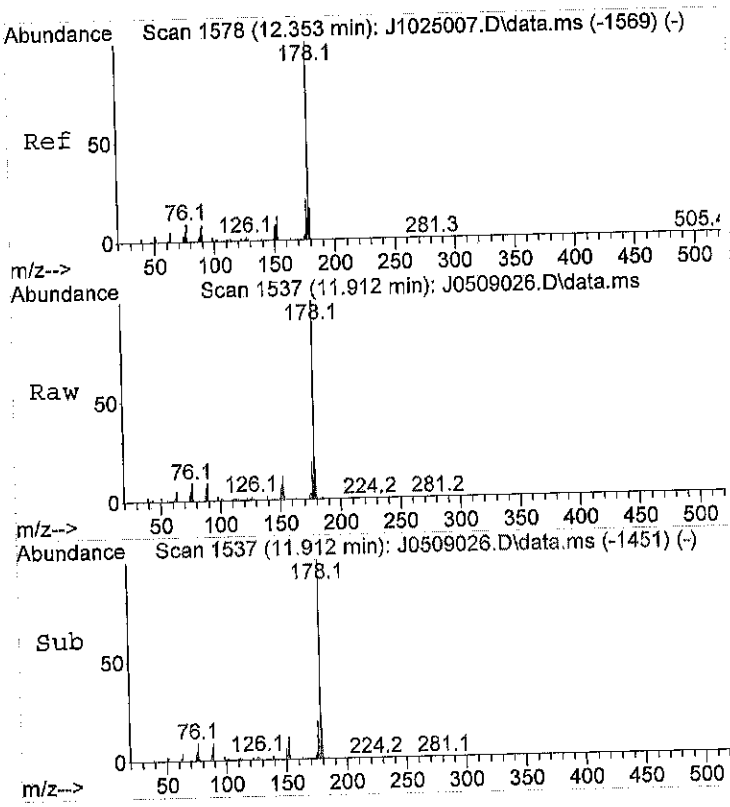
6/12/23

Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230509\
Data File : J0509026.D
Acq On : 9 May 2023 8:50 pm
Operator : JP
Sample : 04-330-02 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 09 21:21:06 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration

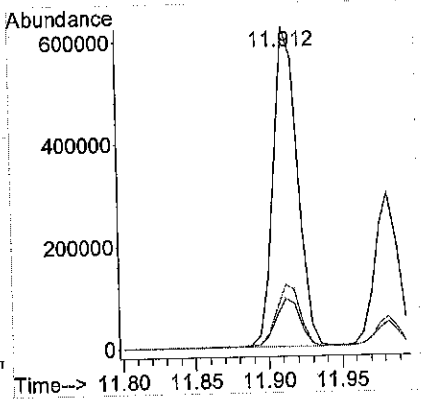


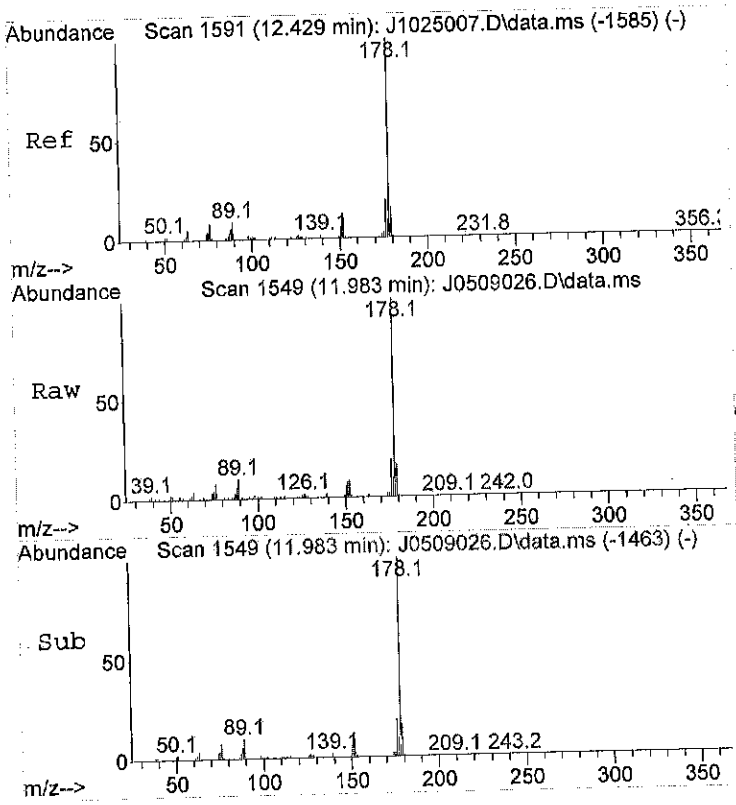


#71
Phenanthrene
Concen: 13.34 ug/mL
RT: 11.912 min Scan# 1537
Delta R.T. -0.012 min
Lab File: J0509026.D
Acq: 9 May 2023 8:50 pm

Tgt Ion:178 Resp: 712309

Ion	Ratio	Lower	Upper
178	100		
179	15.7	0.0	35.6
176	19.3	0.0	38.1

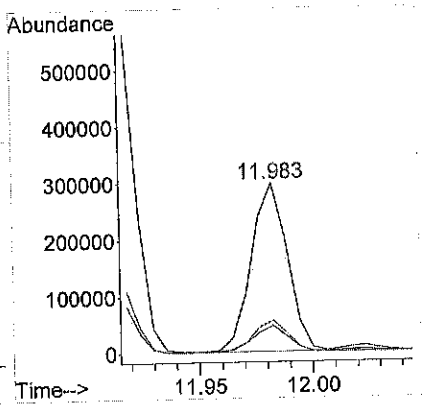


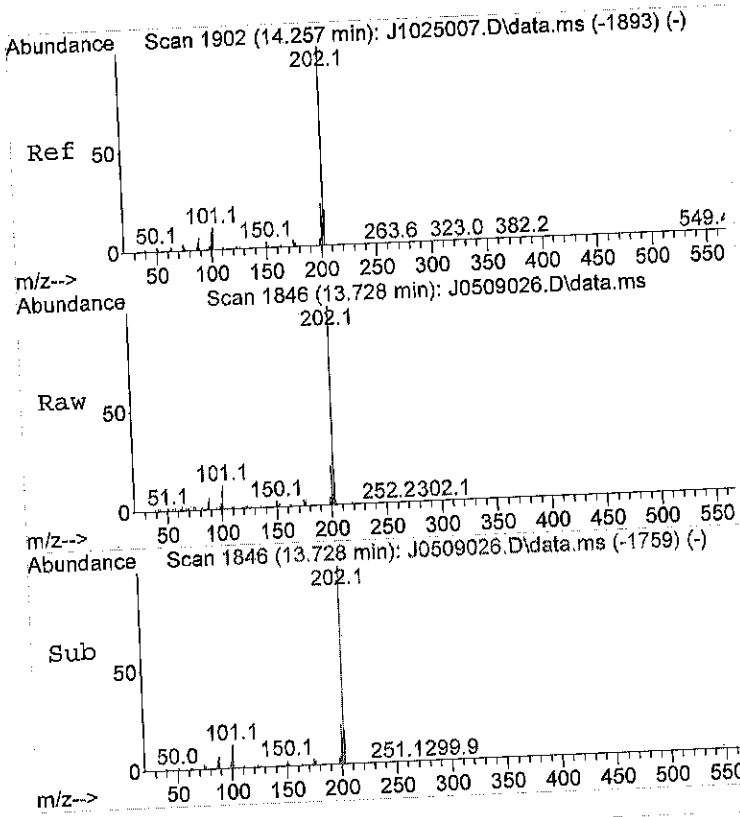


#72
Anthracene
Concen: 6.17 ug/mL
RT: 11.983 min Scan# 1549
Delta R.T. -0.012 min
Lab File: J0509026.D
Acq: 9 May 2023 8:50 pm

Tgt Ion:178 Resp: 326677

Ion	Ratio	Lower	Upper
178	100		
179	15.8	0.0	35.2
176	18.5	0.0	37.2

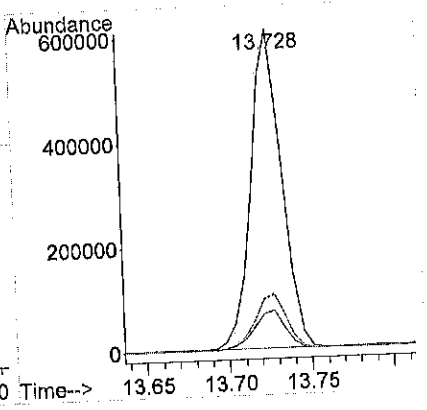


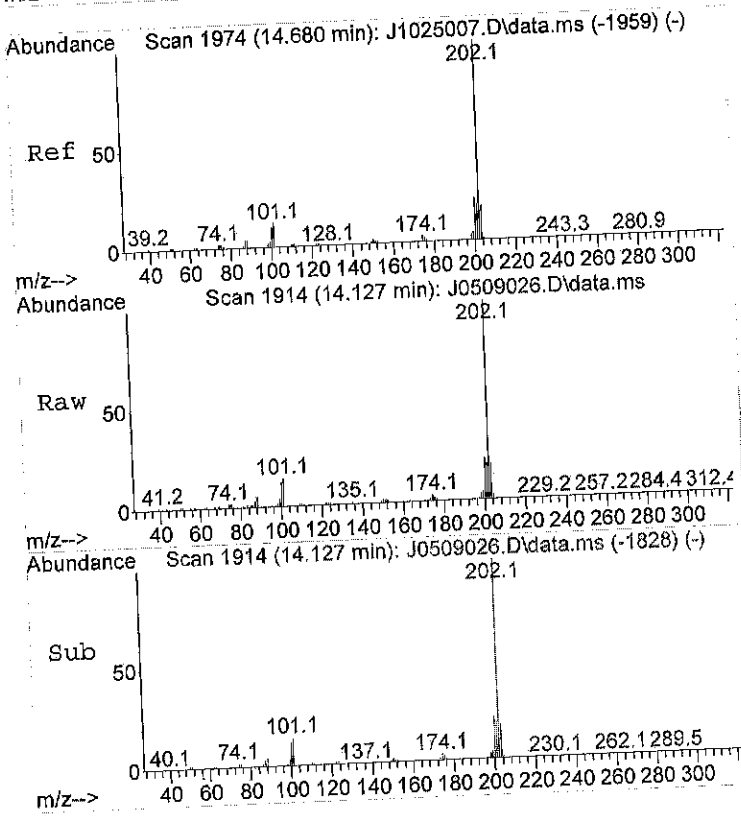


#75
Fluoranthene
Concen: 13.37 ug/mL
RT: 13.728 min Scan# 1846
Delta R.T. -0.006 min
Lab File: J0509026.D
Acq: 9 May 2023 8:50 pm

Tgt Ion:202 Resp: 787211

Ion	Ratio	Lower	Upper
202	100		
101	12.4	4.2	44.2
203	17.6	0.0	37.2

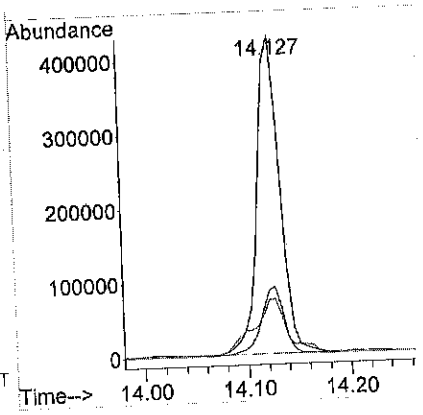


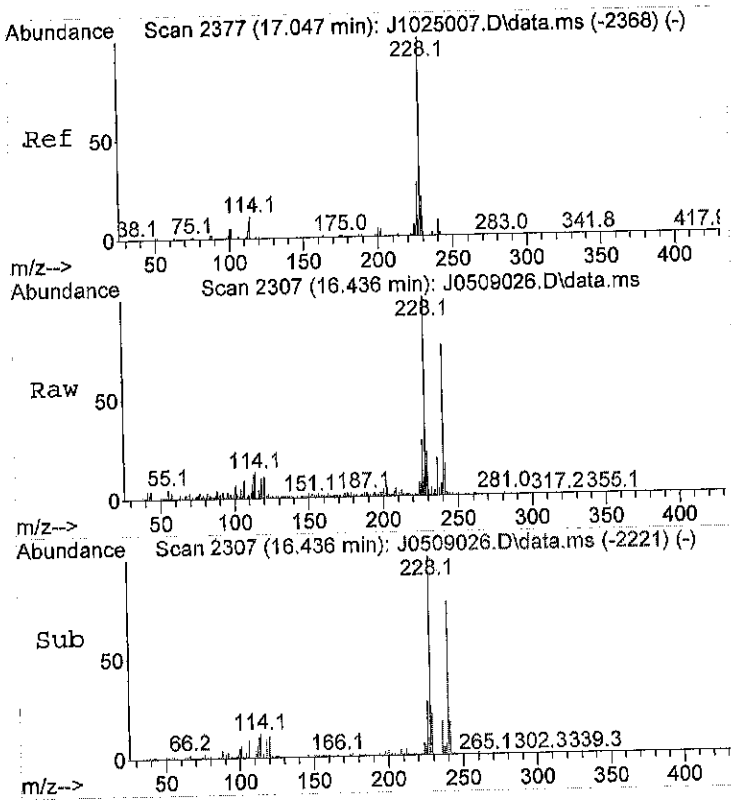


#78
Pyrene
Concen: 11.02 ug/mL
RT: 14.127 min Scan# 1914
Delta R.T. -0.012 min
Lab File: J0509026.D
Acq: 9 May 2023 8:50 pm

Tgt Ion:202 Resp: 651950

Ion	Ratio	Lower	Upper
202	100		
200	21.7	0.0	39.4
203	26.0	0.0	37.7

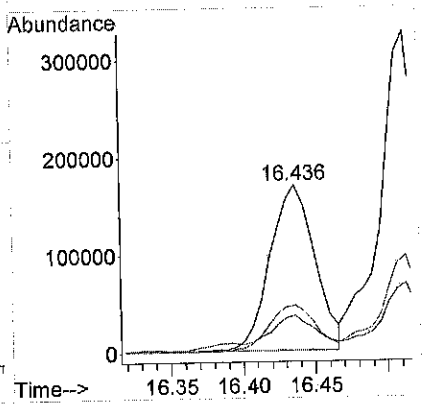


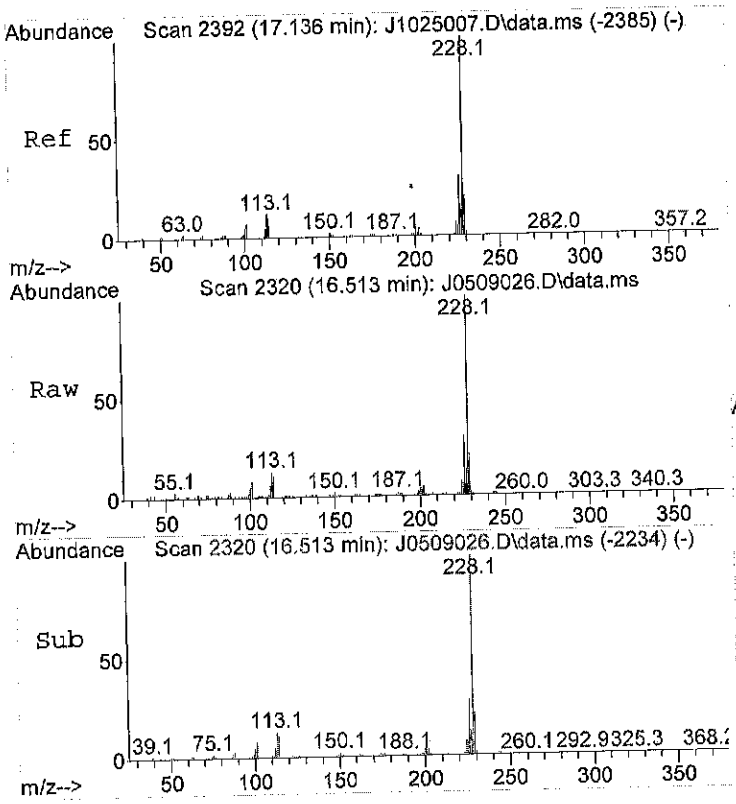


#83
Benzo[a]anthracene
Concen: 6.57 ug/mL
RT: 16.436 min Scan# 2307
Delta R.T. -0.012 min
Lab File: J0509026.D
Acq: 9 May 2023 8:50 pm

Tgt Ion:228 Resp: 365418

Ion	Ratio	Lower	Upper
228	100		
229	20.7	0.0	39.6
226	29.2	6.2	46.2

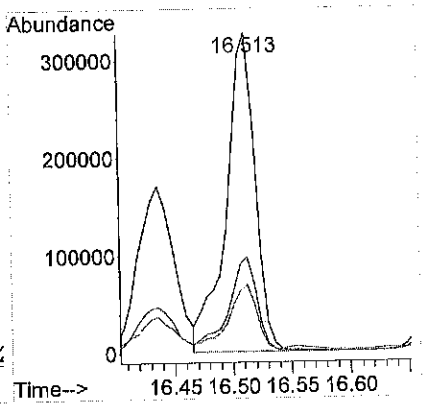


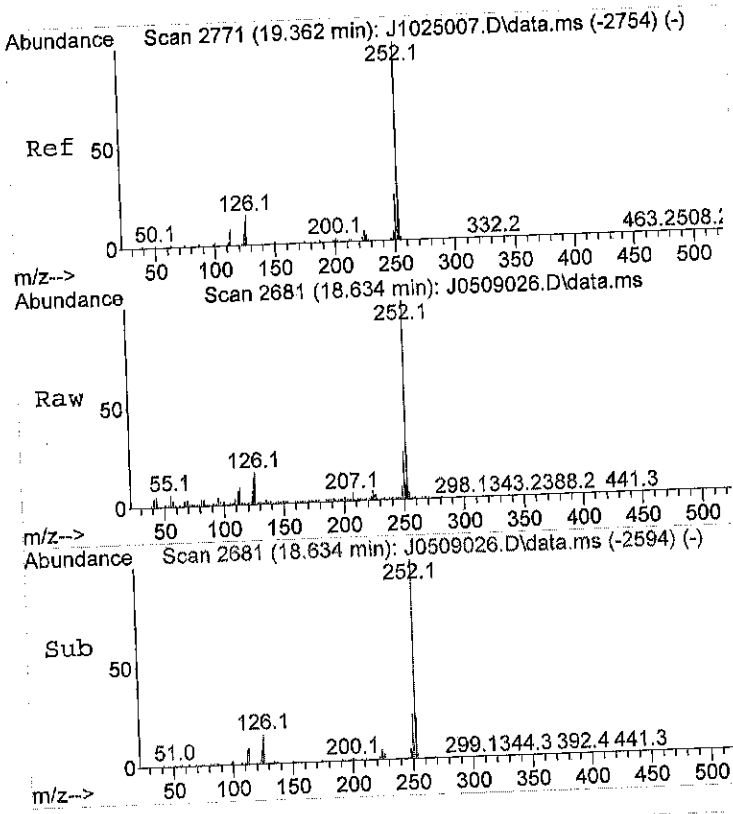


#84
Chrysene
Concen: 11.42 ug/mL
RT: 16.513 min Scan# 2320
Delta R.T. -0.012 min
Lab File: J0509026.D
Acq: 9 May 2023 8:50 pm

Tgt Ion:228 Resp: 561189

Ion	Ratio	Lower	Upper
228	100		
226	30.4	8.3	48.3
229	20.4	0.0	39.0

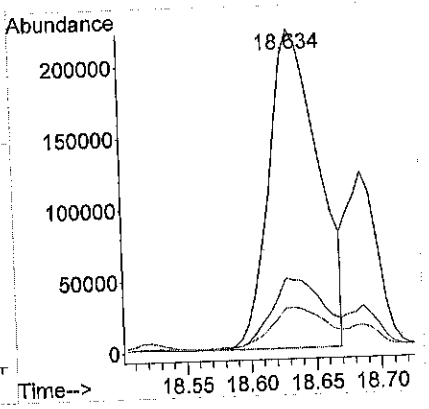


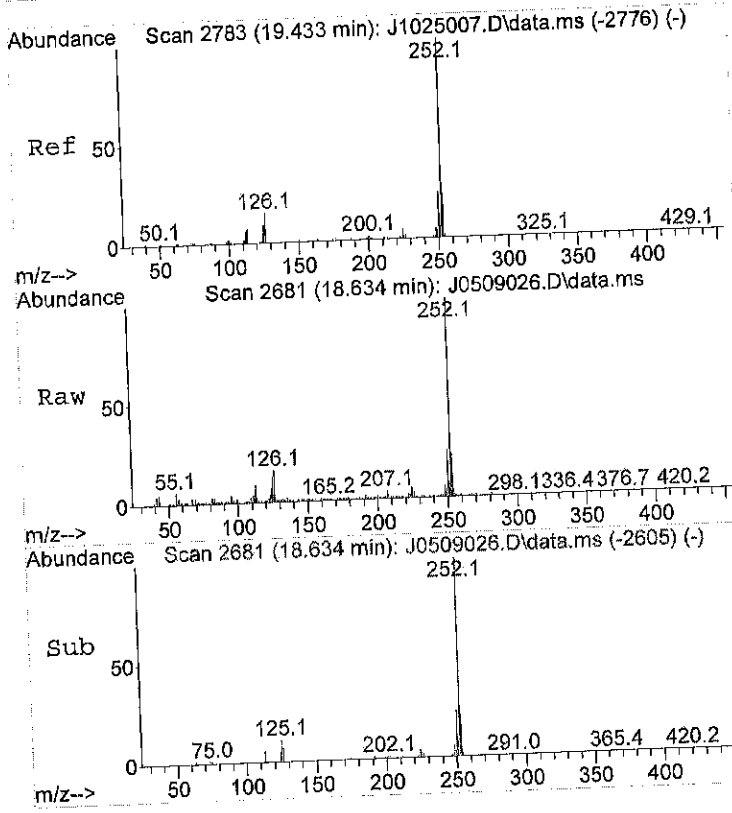


#88
Benzo[b]fluoranthene
Concen: 10.71 ug/mL
RT: 18.634 min Scan# 2681
Delta R.T. -0.006 min
Lab File: J0509026.D
Acq: 9 May 2023 8:50 pm

Tgt Ion:252 Resp: 591151

Ion	Ratio	Lower	Upper
252	100		
253	23.2	1.7	41.7
125	13.7	2.4	42.4

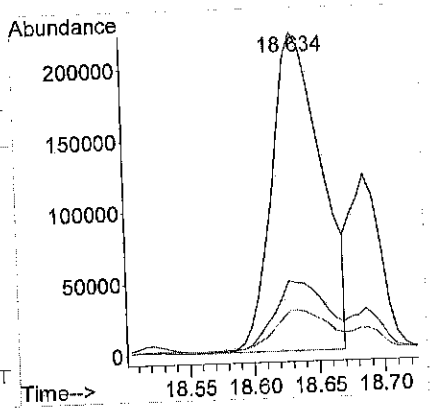


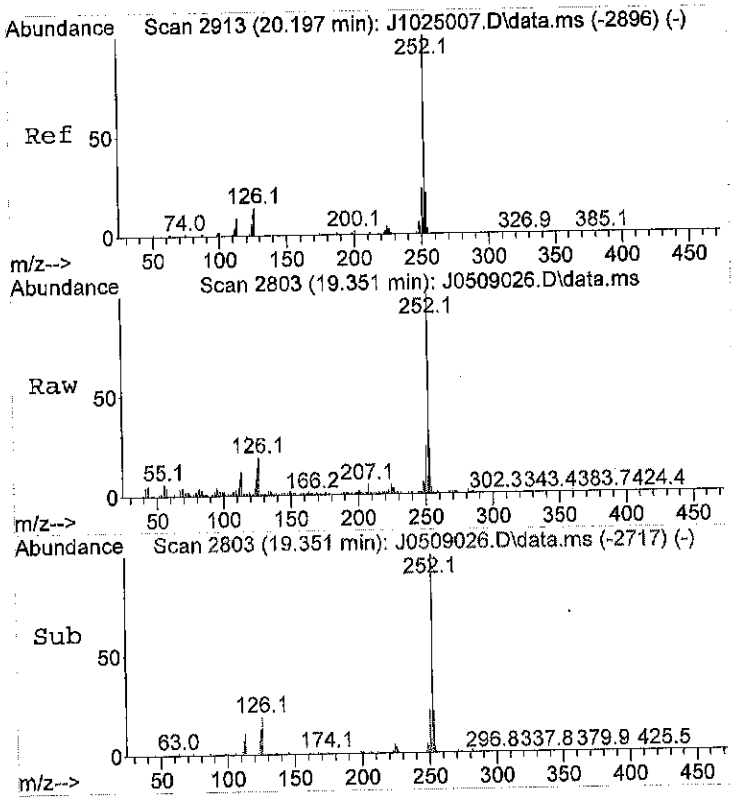


#89
Benzo(j,k)fluoranthene
Concen: 11.36 ug/mL
RT: 18.634 min Scan# 2681
Delta R.T. -0.070 min
Lab File: J0509026.D
Acq: 9 May 2023 8:50 pm

Tgt Ion:252 Resp: 591151

Ion	Ratio	Lower	Upper
252	100		
253	23.2	1.6	41.6
125	13.7	1.8	41.8

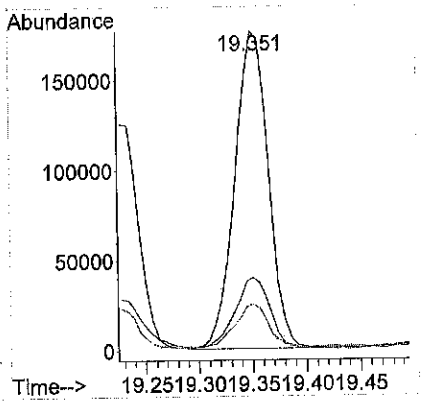




#90
Benzo[a]pyrene
Concen: 8.14 ug/mL
RT: 19.351 min Scan# 2803
Delta R.T. -0.012 min
Lab File: J0509026.D
Acq: 9 May 2023 8:50 pm

Tgt Ion:252 Resp: 380642

Ion	Ratio	Lower	Upper
252	100		
253	24.1	1.6	41.6
125	13.6	4.2	44.2



Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Corey\DATA\C230505\
Data File : C0505026.D
Acq On : 5 May 2023 11:04 pm
Operator : JP
Sample : 04-330-02 20X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 05 23:19:13 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Thu May 04 10:12:53 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	3.886	136	198377	2000.00	ppb	0.00
5) Acenaphthene-d10	5.129	164	100117	2000.00	ppb	0.00
9) Phenanthrene-d10	6.147	188	179045	2000.00	ppb	0.00
16) Chrysene-d12	8.221	240	140524	2000.00	ppb	0.00
20) Perylene-d12	9.665	264	148301	2000.00	ppb	0.03
System Monitoring Compounds						
6) 2-Fluorobiphenyl	4.671	172	94575	966.08	ppb	0.00
Spiked Amount 1000.000	Range 25 - 89		Recovery = 96.61%#			
10) Pyrene-d10	7.221	212	4721	48.06	ppb	0.07
Spiked Amount 1000.000	Range 40 - 110		Recovery = 4.81%#			
17) Terphenyl-d14	7.298	244	75323	1148.52	ppb	-0.02
Spiked Amount 1000.000	Range 39 - 92		Recovery = 114.85%#			
Target Compounds						Qvalue
2) Naphthalene	3.902	128	15861	122.37	ppb	100
3) 2-Methylnaphthalene	4.404	142	9989	119.19	ppb	99
4) 1-Methylnaphthalene	4.473	142	4735	59.88	ppb	92
7) Acenaphthylene	5.029	152	80383	601.94	ppb	100
8) Acenaphthene	5.144	153	44021	527.47	ppb	100
11) Fluorene	5.506	166	137509	1488.69	ppb	100
12) Phenanthrene	6.164	178	599089	4620.16	ppb	90
13) Anthracene	6.199	178	373126	2777.85	ppb	95
14) Fluoranthene	6.990	202	628270	4315.33	ppb	78
15) Pyrene	7.154	202	608078	4219.24	ppb	95
18) Benzo[a]anthracene	8.209	228	383548	3428.32	ppb	88
19) Chrysene	8.244	228	552612	4254.31	ppb	94
21) Benzo[b]fluoranthene	9.294	252	816607	5856.70	ppb	83
22) Benzo(j,k)fluoranthene	9.294	252	816607	6365.67	ppb	82
23) Benzo[a]pyrene	9.613	252	401614	3358.02	ppb	85
24) Indeno(1,2,3-c,d)pyrene	10.674	276	203663	1583.64	ppb	60
25) Dibenz[a,h]anthracene	10.697	278	59653	479.34	ppb	66
26) Benzo[g,h,i]perylene	10.921	276	181166	1365.16	ppb	70

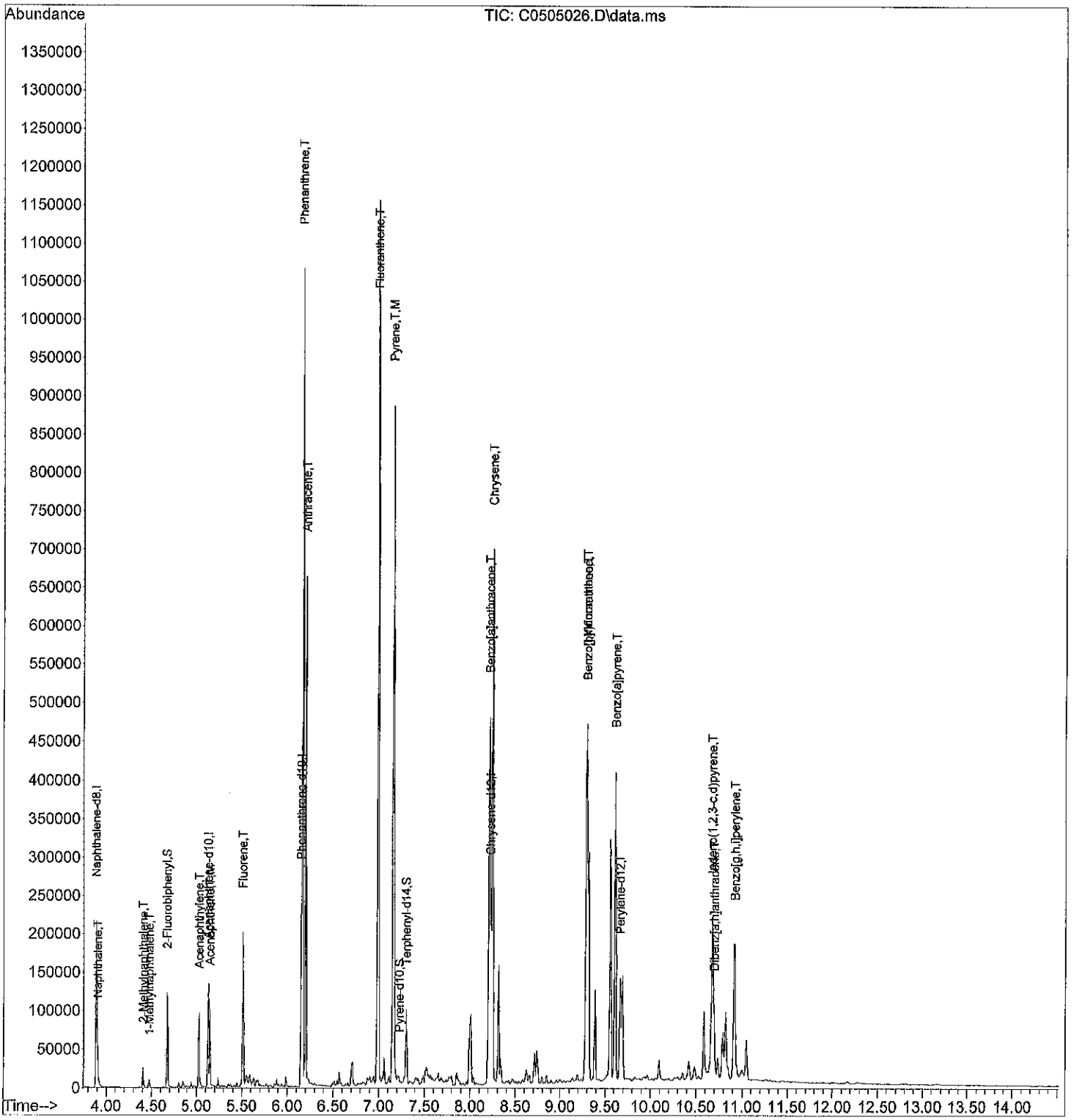
(#) = qualifier out of range (m) = manual integration (+) = signals summed

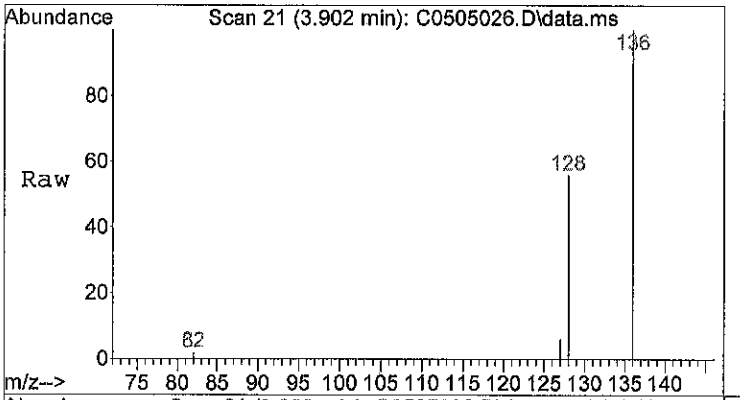
JP
6/2/23

Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Corey\DATA\C230505\
Data File : C0505026.D
Acq On : 5 May 2023 11:04 pm
Operator : JP
Sample : 04-330-02 20X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 05 23:19:13 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Thu May 04 10:12:53 2023
Response via : Initial Calibration

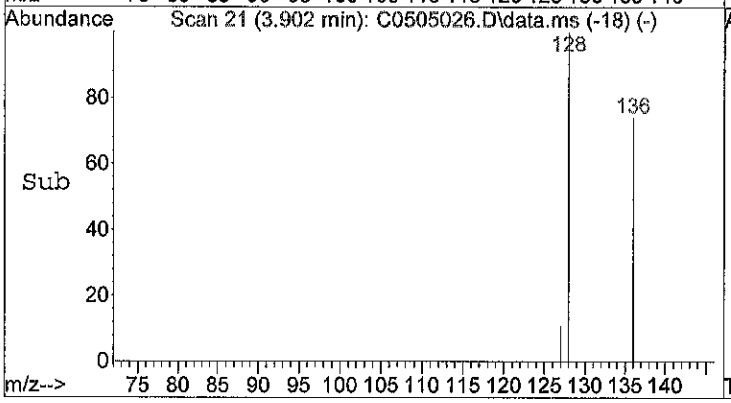


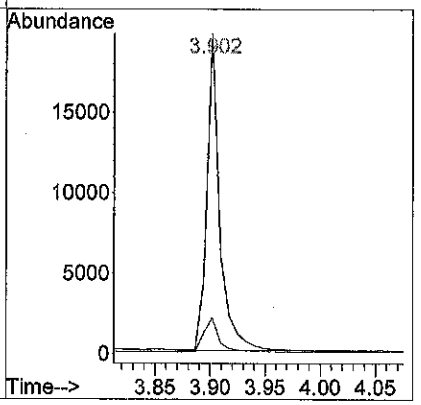


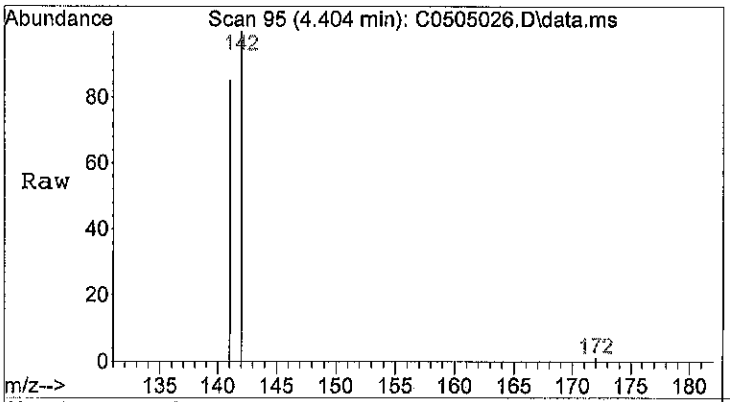
#2
Naphthalene
Concen: 122.37 ppb
RT: 3.902 min Scan# 21
Delta R.T. 0.197 min
Lab File: C0505026.D
Acq: 5 May 23 11:04 pm

Tgt Ion:128 Resp: 15861

Ion	Ratio	Lower	Upper
128	100		
127	12.5	0.0	32.5



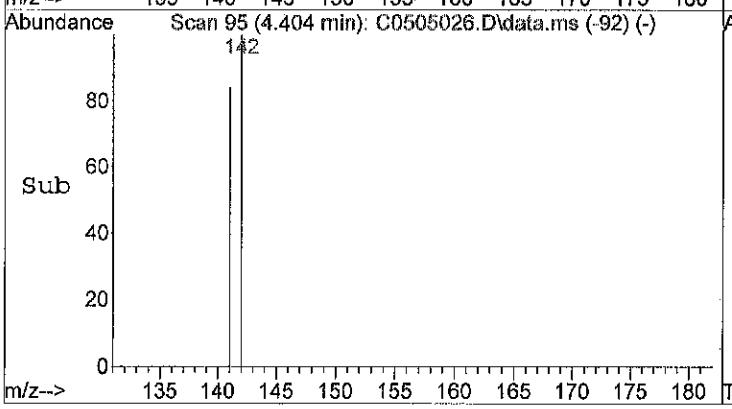


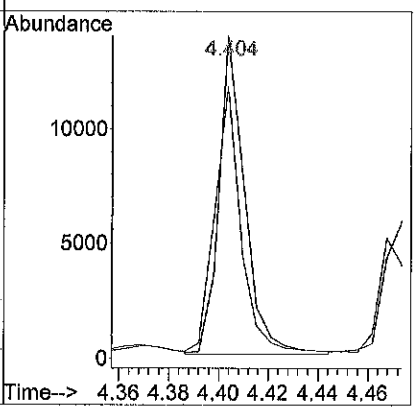


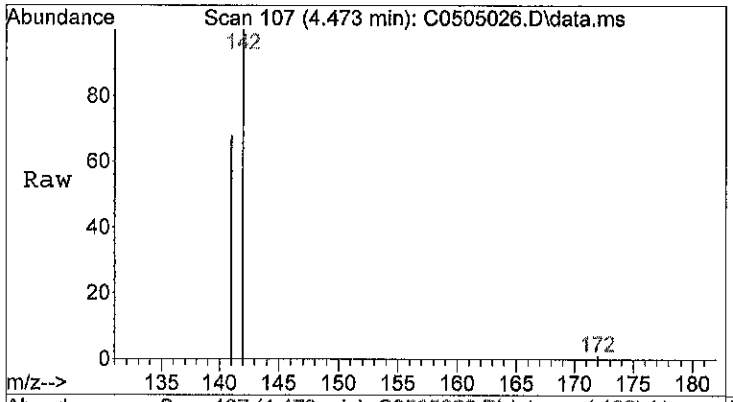
#3
2-Methylnaphthalene
Concen: 119.19 ppb
RT: 4.404 min Scan# 95
Delta R.T. 0.196 min
Lab File: C0505026.D
Acq: 5 May 23 11:04 pm

Tgt Ion:142 Resp: 9989

Ion	Ratio	Lower	Upper
142	100		
141	84.3	65.3	105.3



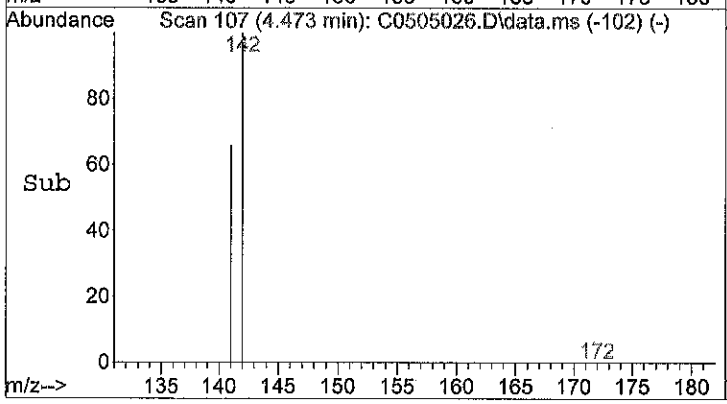


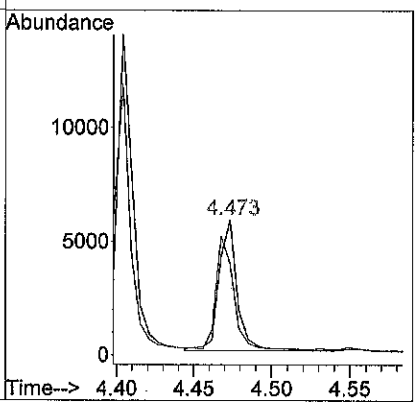


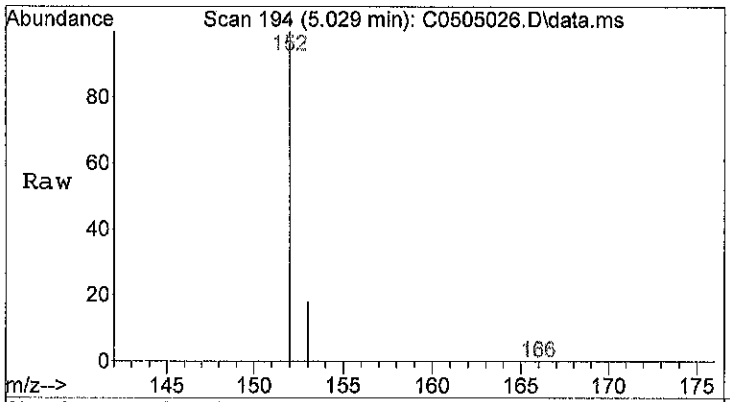
#4
1-Methylnaphthalene
Concen: 59.88 ppb
RT: 4.473 min Scan# 107
Delta R.T. 0.196 min
Lab File: C0505026.D
Acq: 5 May 23 11:04 pm

Tgt Ion:142 Resp: 4735

Ion	Ratio	Lower	Upper
142	100		
141	81.5	68.5	108.5

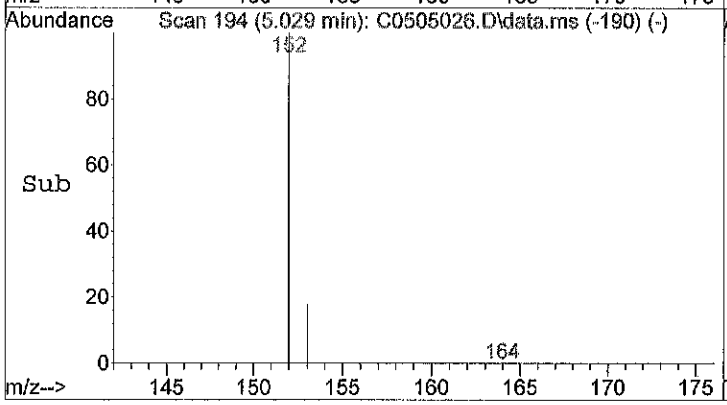


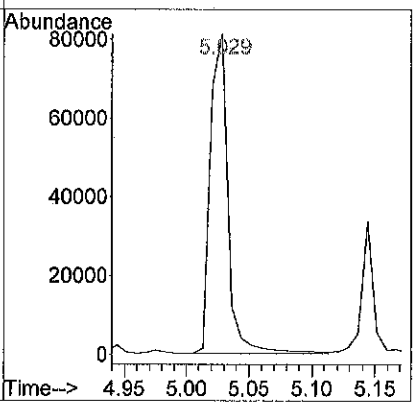


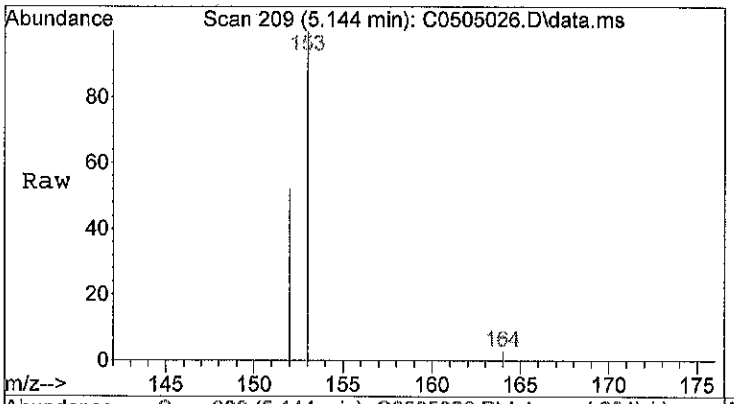


#7
Acenaphthylene
Concen: 601.94 ppb
RT: 5.029 min Scan# 194
Delta R.T. 0.204 min
Lab File: C0505026.D
Acq: 5 May 23 11:04 pm

Tgt Ion:152 Resp: 80383

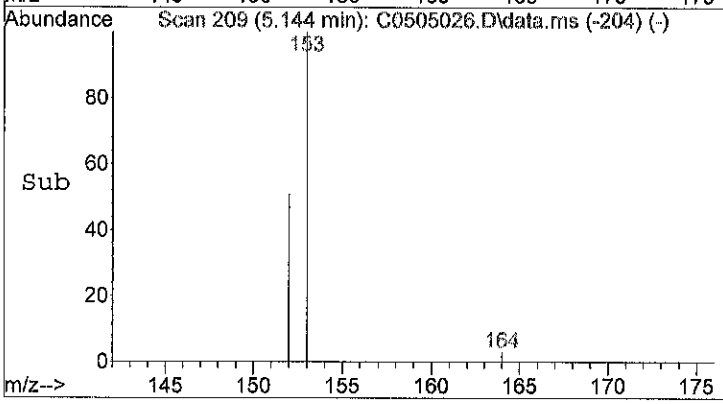


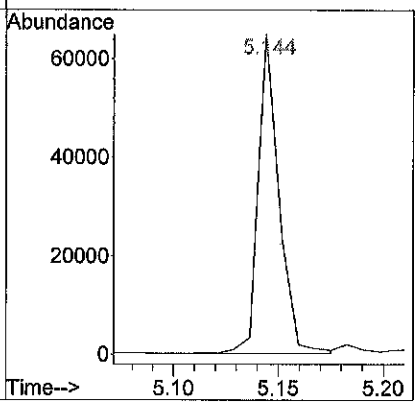


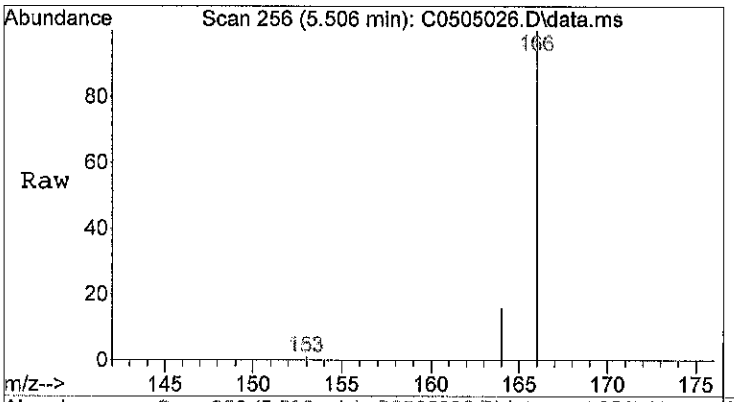


#8
Acenaphthene
Concen: 527.47 ppb
RT: 5.144 min Scan# 209
Delta R.T. 0.196 min
Lab File: C0505026.D
Acq: 5 May 23 11:04 pm

Tgt Ion:153 Resp: 44021

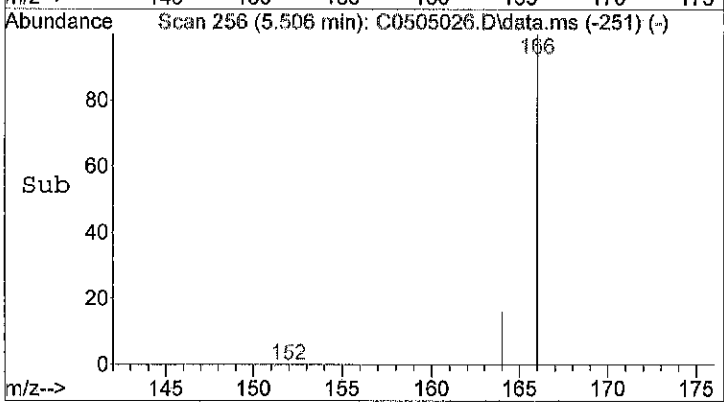


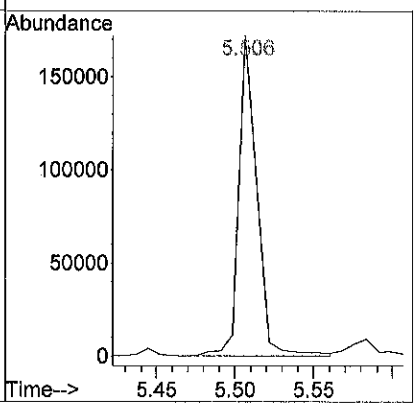


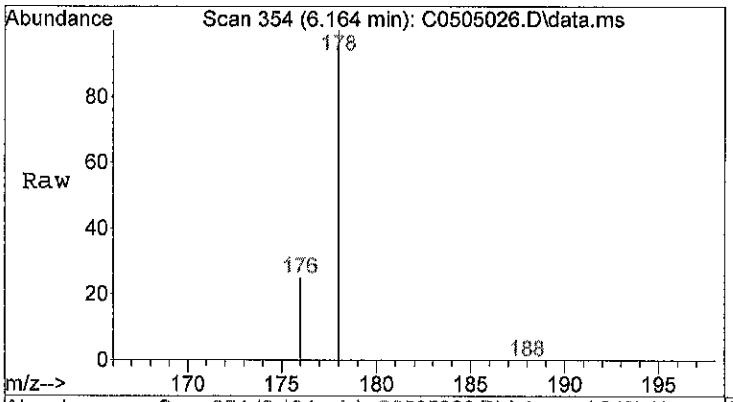


#11
Fluorene
Concen: 1488.69 ppb
RT: 5.506 min Scan# 256
Delta R.T. 0.196 min
Lab File: C0505026.D
Acq: 5 May 23 11:04 pm

Tgt Ion:166 Resp: 137509



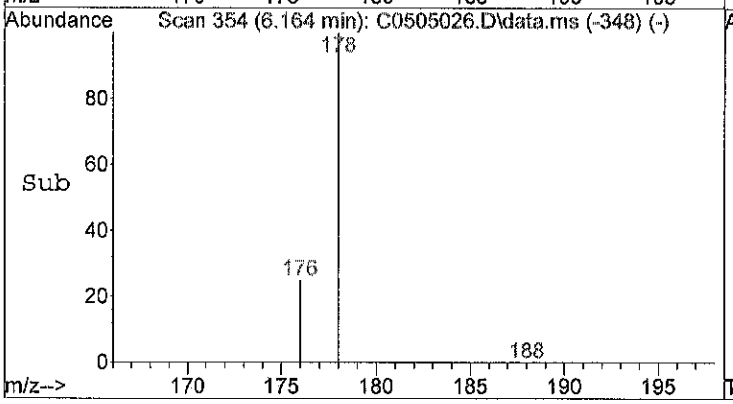


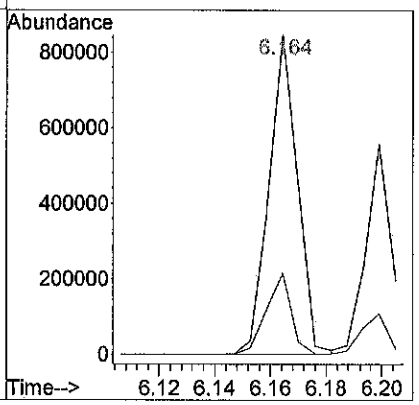


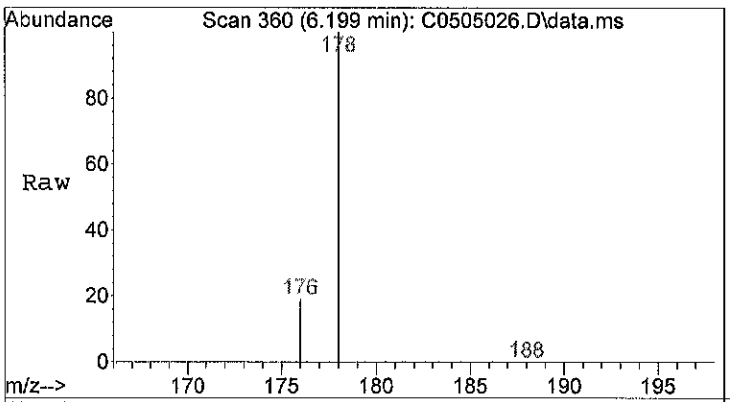
#12
Phenanthrene
Concen: 4620.16 ppb
RT: 6.164 min Scan# 354
Delta R.T. 0.205 min
Lab File: C0505026.D
Acq: 5 May 23 11:04 pm

Tgt Ion:178 Resp: 599089

Ion	Ratio	Lower	Upper
178	100		
176	22.6	0.0	38.2



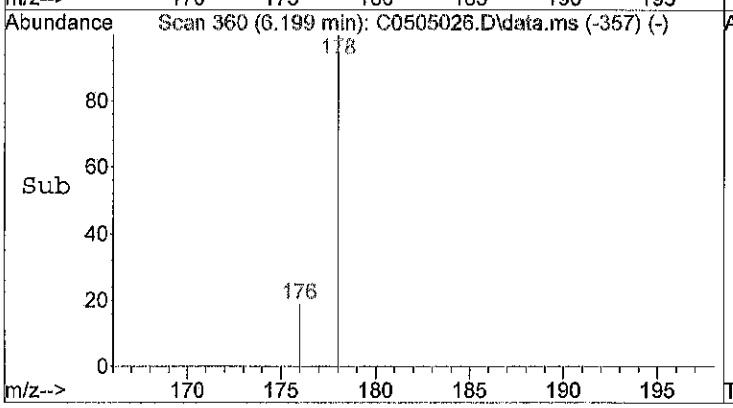


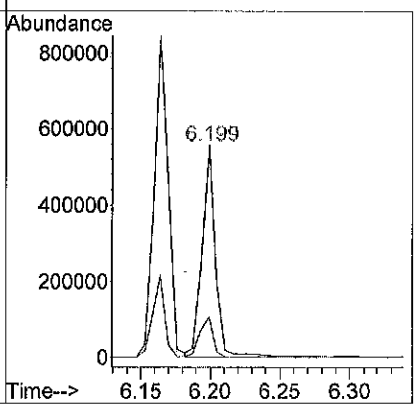


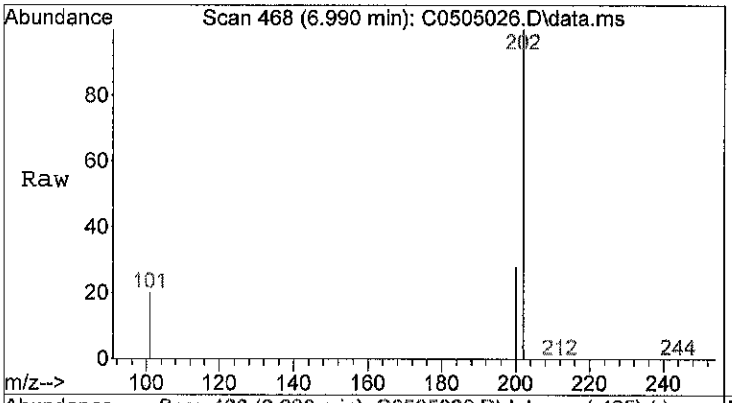
#13
Anthracene
Concen: 2777.85 ppb
RT: 6.199 min Scan# 360
Delta R.T. 0.205 min
Lab File: C0505026.D
Acq: 5 May 23 11:04 pm

Tgt Ion:178 Resp: 373126

Ion	Ratio	Lower	Upper
178	100		
176	20.0	0.0	37.7



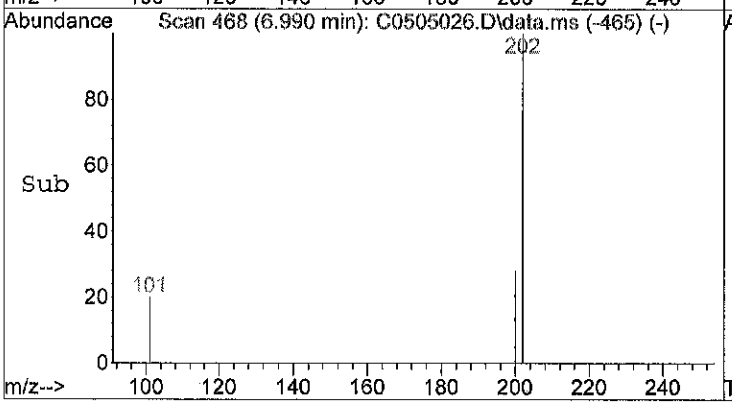


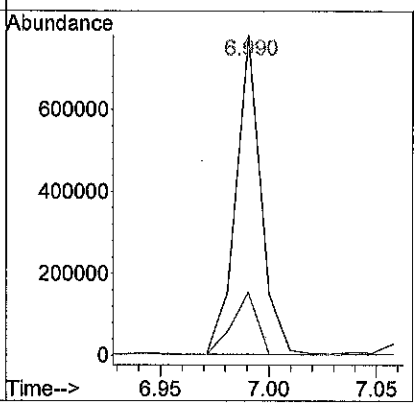


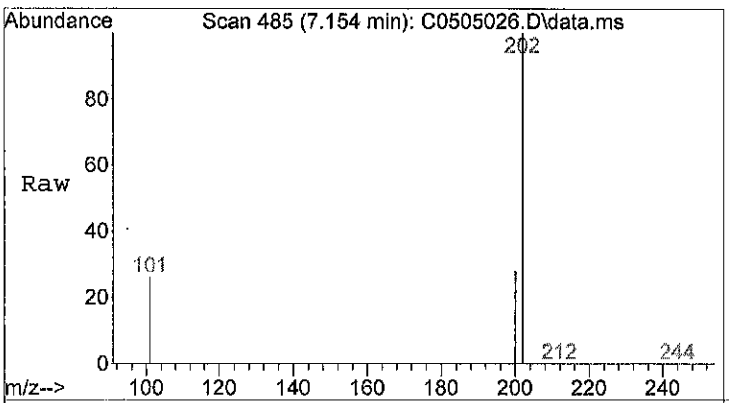
#14
Fluoranthene
Concen: 4315.33 ppb
RT: 6.990 min Scan# 468
Delta R.T. 0.219 min
Lab File: C0505026.D
Acq: 5 May 23 11:04 pm

Tgt Ion:202 Resp: 628270

Ion	Ratio	Lower	Upper
202	100		
101	19.8	0.0	31.5



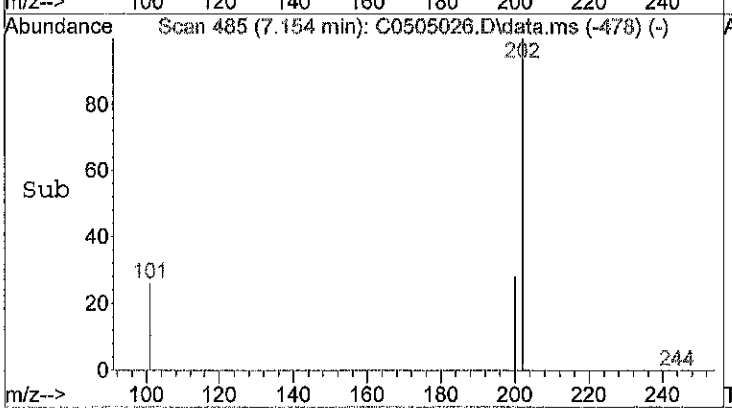


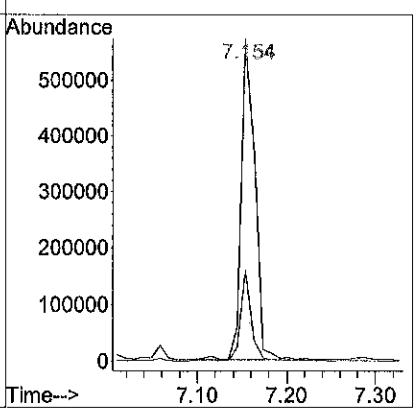


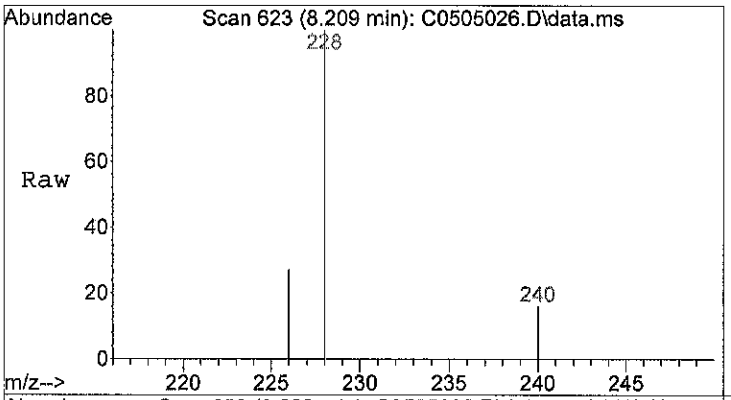
#15
Pyrene
Concen: 4219.24 ppb
RT: 7.154 min Scan# 485
Delta R.T. 0.228 min
Lab File: C0505026.D
Acq: 5 May 23 11:04 pm

Tgt Ion:202 Resp: 608078

Ion	Ratio	Lower	Upper
202	100		
200	22.1	0.0	39.9



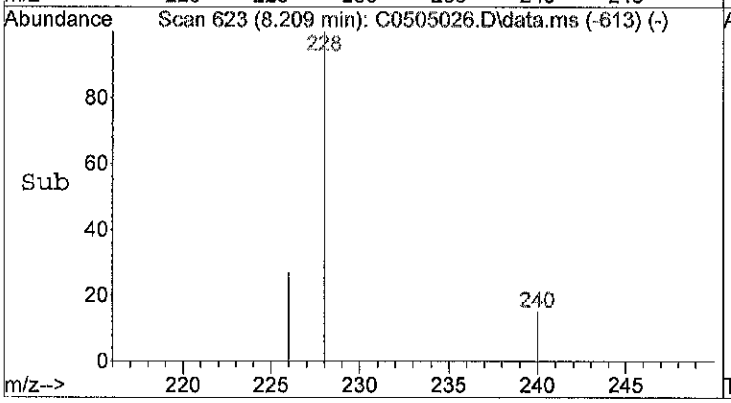


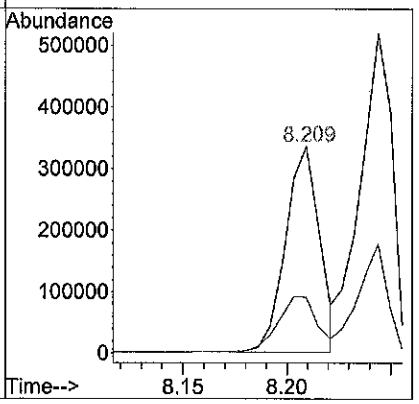


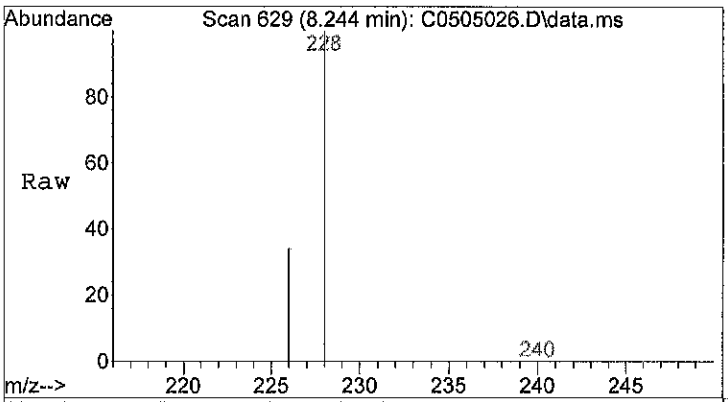
#18
Benzo[a]anthracene
Concen: 3428.32 ppb
RT: 8.209 min Scan# 623
Delta R.T. 0.297 min
Lab File: C0505026.D
Acq: 5 May 23 11:04 pm

Tgt Ion:228 Resp: 383548

Ion	Ratio	Lower	Upper
228	100		
226	31.4	5.3	45.3



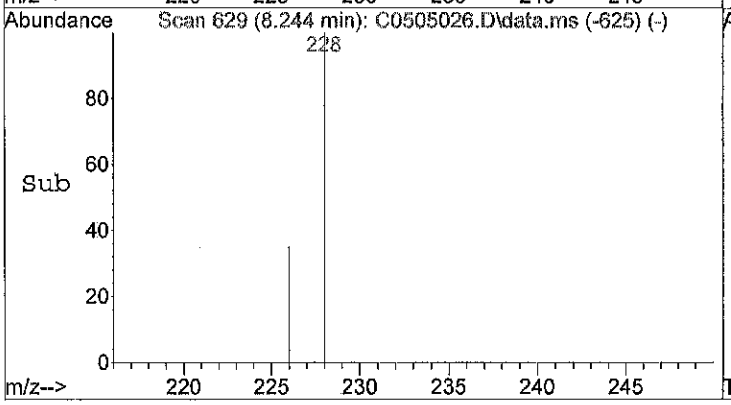


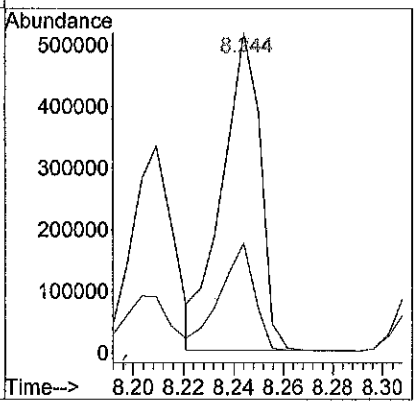


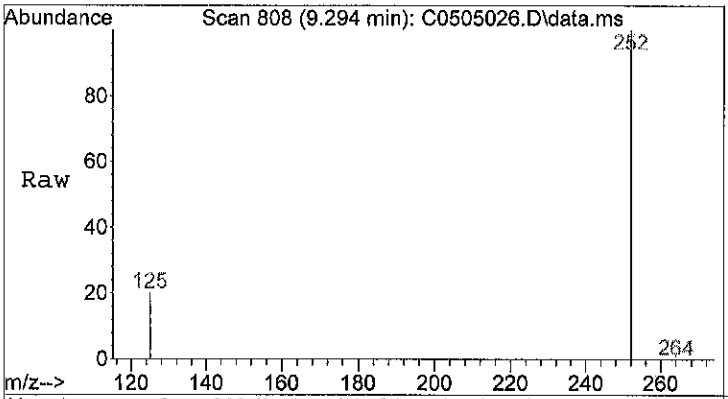
#19
Chrysene
Concen: 4254.31 ppb
RT: 8.244 min Scan# 629
Delta R.T. 0.303 min
Lab File: C0505026.D
Acq: 5 May 23 11:04 pm

Tgt Ion:228 Resp: 552612

Ion	Ratio	Lower	Upper
228	100		
226	31.8	8.7	48.7



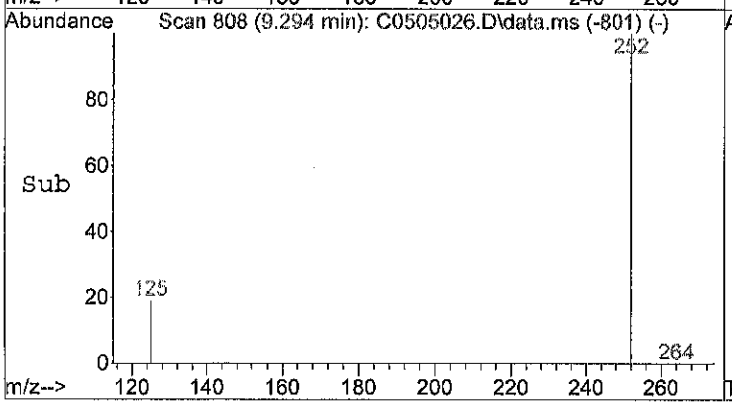


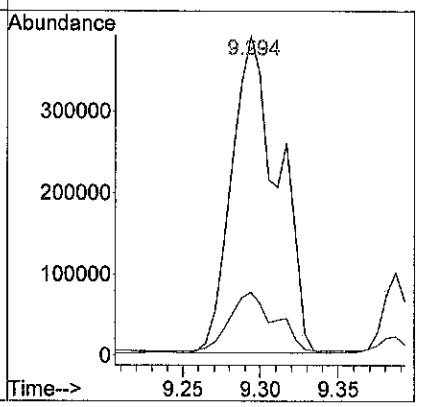


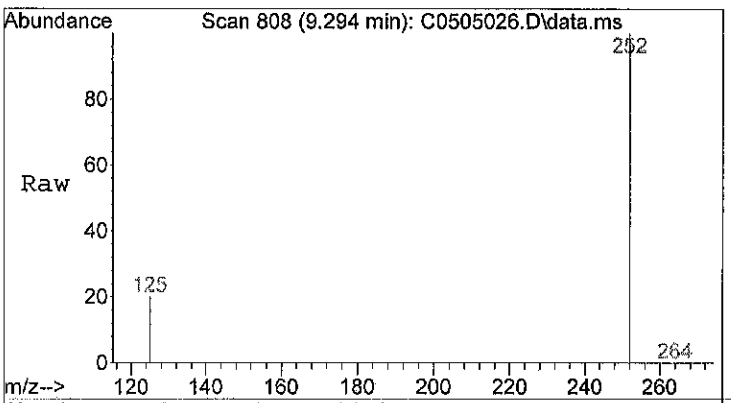
#21
Benzo[b]fluoranthene
Concen: 5856.70 ppb
RT: 9.294 min Scan# 808
Delta R.T. 0.349 min
Lab File: C0505026.D
Acq: 5 May 23 11:04 pm

Tgt Ion:252 Resp: 816607

Ion	Ratio	Lower	Upper
252	100		
125	18.0	0.0	31.5



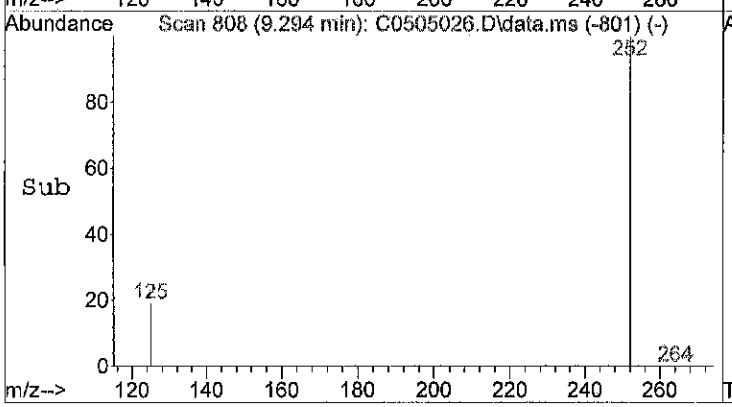


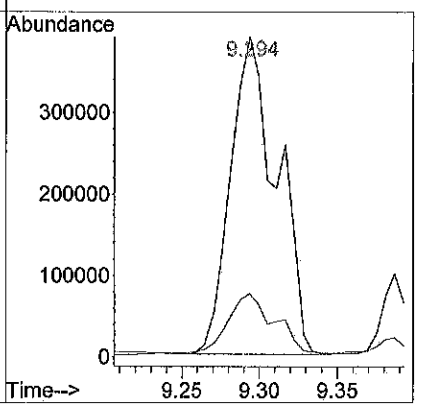


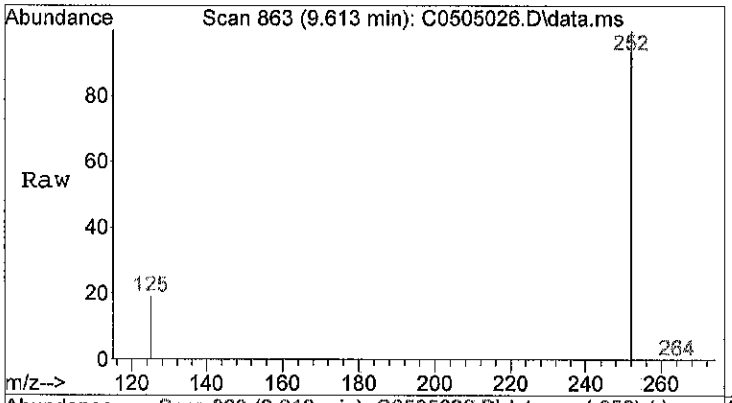
#22
Benzo(j,k)fluoranthene
Concen: 6365.67 ppb
RT: 9.294 min Scan# 808
Delta R.T. 0.320 min
Lab File: C0505026.D
Acq: 5 May 23 11:04 pm

Tgt Ion:252 Resp: 816607

Ion	Ratio	Lower	Upper
252	100		
125	18.0	0.0	31.2



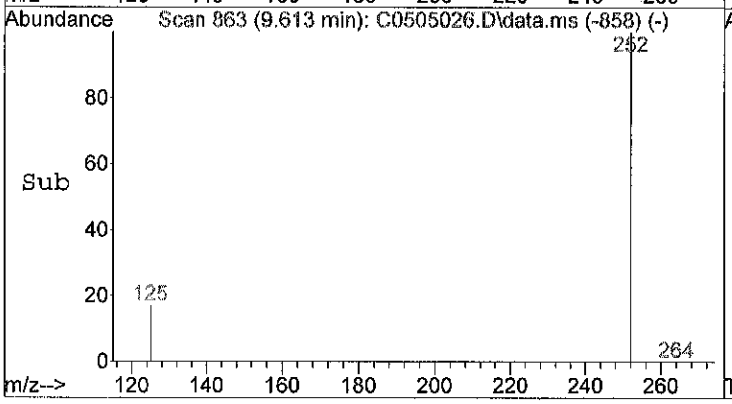


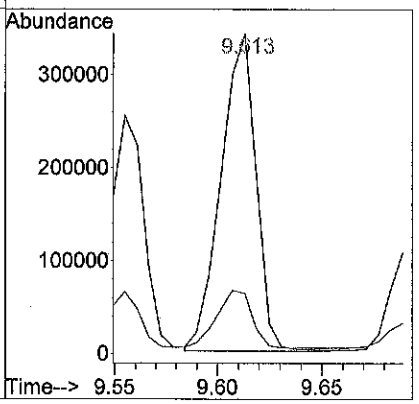


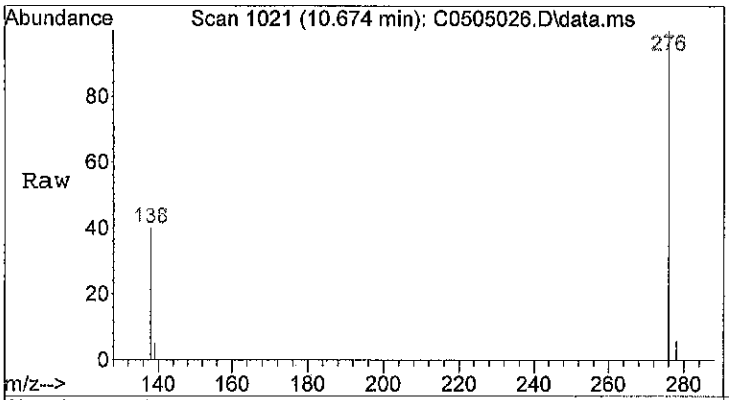
#23
Benzo[a]pyrene
Concen: 3358.02 ppb
RT: 9.613 min Scan# 863
Delta R.T. 0.361 min
Lab File: C0505026.D
Acq: 5 May 23 11:04 pm

Tgt Ion:252 Resp: 401614

Ion	Ratio	Lower	Upper
252	100		
125	18.4	0.0	32.5



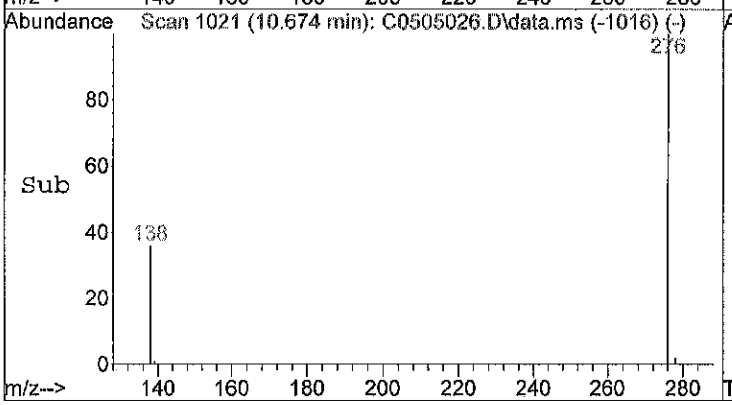


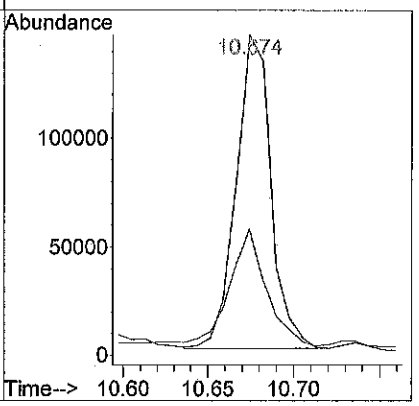


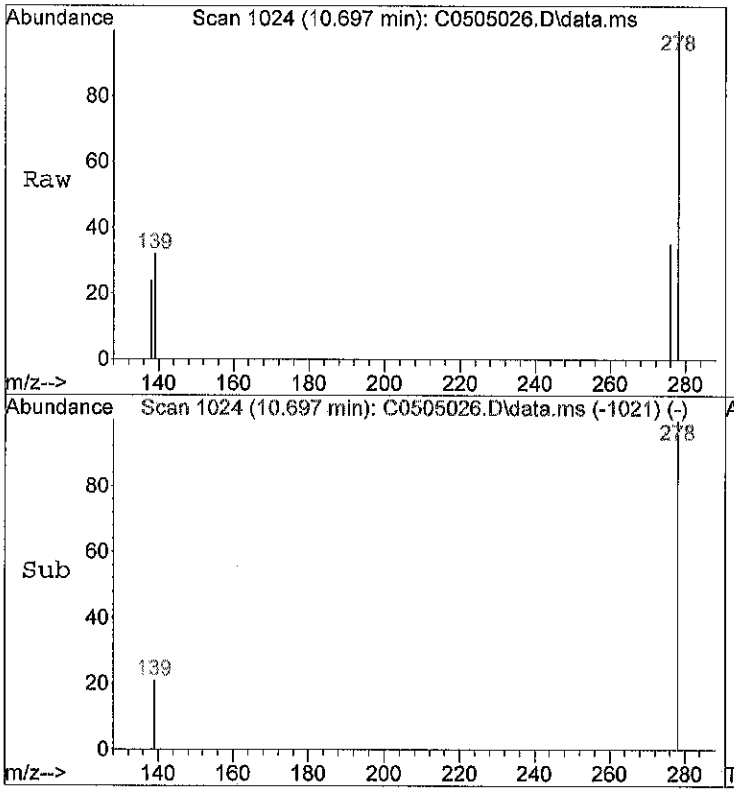
#24
Indeno(1,2,3-c,d)pyrene
Concen: 1583.64 ppb
RT: 10.674 min Scan# 1021
Delta R.T. 0.379 min
Lab File: C0505026.D
Acq: 5 May 23 11:04 pm

Tgt Ion:276 Resp: 203663

Ion	Ratio	Lower	Upper
276	100		
138	41.7	2.5	42.5



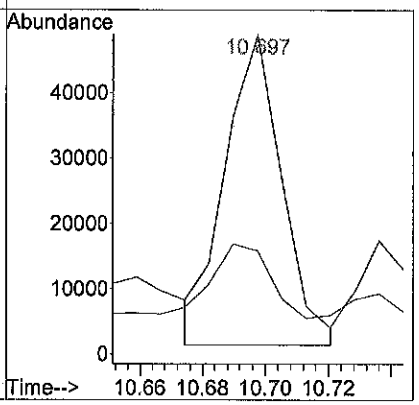


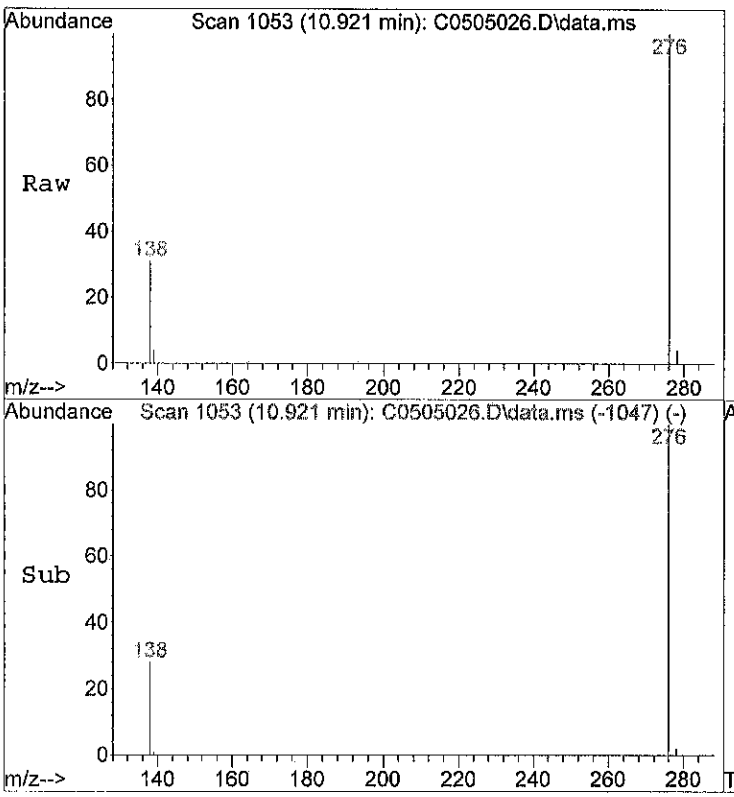


#25
Dibenz[a,h]anthracene
Concen: 479.34 ppb
RT: 10.697 min Scan# 1024
Delta R.T. 0.372 min
Lab File: C0505026.D
Acq: 5 May 23 11:04 pm

Tgt Ion:278 Resp: 59653

Ion	Ratio	Lower	Upper
278	100		
139	34.3	0.0	39.1

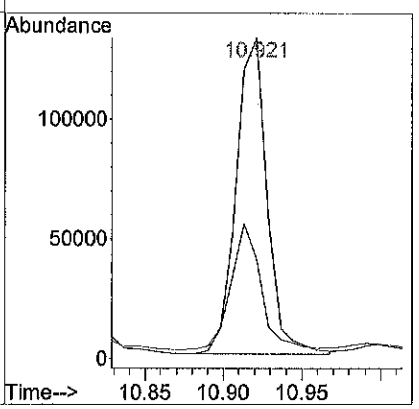




#26
Benzo[g,h,i]perylene
Concen: 1365.16 ppb
RT: 10.921 min Scan# 1053
Delta R.T. 0.403 min
Lab File: C0505026.D
Acq: 5 May 23 11:04 pm

Tgt Ion:276 Resp: 181166

Ion	Ratio	Lower	Upper
276	100		
138	38.8	4.1	44.1



Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230508\R0508005.D Vial: 5
Acq On : 8 May 2023 1:18 pm Operator: JP
Sample : 04-330-03 10X Inst : Ralph
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 8 14:54 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230410

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.16	152	1046286	25.00	ug/mL	-0.20
20) Naphthalene-d8	7.76	136	3854646	25.00	ug/mL	-0.21
35) Acenaphthene-d10	9.98	164	1915716	25.00	ug/mL	-0.21
61) Phenanthrene-d10	11.86	188	2880982	25.00	ug/mL	-0.22
75) Chrysene-d12	16.41	240	2206582	25.00	ug/mL	-0.30
86) Perylene-d12	19.41	264	2365803	25.00	ug/mL	-0.37
System Monitoring Compounds						
4) 2-Fluorophenol	4.62	112	148772	2.41	ug/mL	-0.11
Spiked Amount 40.000	Range 21 - 110		Recovery =	6.03%#		
5) Phenol-d6	5.77	99	197984	2.57	ug/mL	-0.08
Spiked Amount 40.000	Range 10 - 110		Recovery =	6.42%#		
21) Nitrobenzene-d5	6.84	82	133695	2.21	ug/mL	-0.20
Spiked Amount 40.000	Range 35 - 114		Recovery =	5.53%#		
40) 2-Fluorobiphenyl	9.11	172	181849	1.94	ug/mL	-0.20
Spiked Amount 40.000	Range 43 - 116		Recovery =	4.85%#		
65) 2,4,6-Tribromophenol	10.97	330	30614	2.24	ug/mL	-0.20
Spiked Amount 40.000	Range 10 - 123		Recovery =	5.60%#		
78) Terphenyl-d14	14.33	244	166299	1.87	ug/mL	-0.27
Spiked Amount 40.000	Range 33 - 141		Recovery =	4.67%#		
Target Compounds						Qvalue
48) Acenaphthylene	9.81	152	192421	1.44	ug/mL	92
50) 2,4-Dinitrophenol	10.03	184	470	2.43	ug/mL#	1
51) Acenaphthene	10.02	154	88604	1.07	ug/mL	89
60) Fluorene	10.67	166	121760	1.30	ug/mL	93
68) Pentachlorophenol	11.63	266	47701	3.68	ug/mL	97
70) Phenanthrene	11.90	178	859072	6.25	ug/mL	99
71) Anthracene	11.97	178	624118	4.51	ug/mL	99
74) Fluoranthene	13.69	202	1283563	10.19	ug/mL	90
77) Pyrene	14.08	202	1479095	11.58	ug/mL	91
82) Benzo[a]anthracene	16.38	228	799868	7.09	ug/mL	91
83) Chrysene	16.46	228	1245835	11.77	ug/mL	98
87) Benzo[b]fluoranthene	18.58	252	1731396	15.74	ug/mL	83
88) Benzo(j,k)fluoranthene	18.62	252	496833m	4.65	ug/mL	
89) Benzo[a]pyrene	19.27	252	1123890	11.88	ug/mL	89
90) Indeno[1,2,3-cd]pyrene	22.26	276	555755	5.78	ug/mL#	60
92) Benzo[g,h,i]perylene	23.13	276	516730m	5.59	ug/mL	

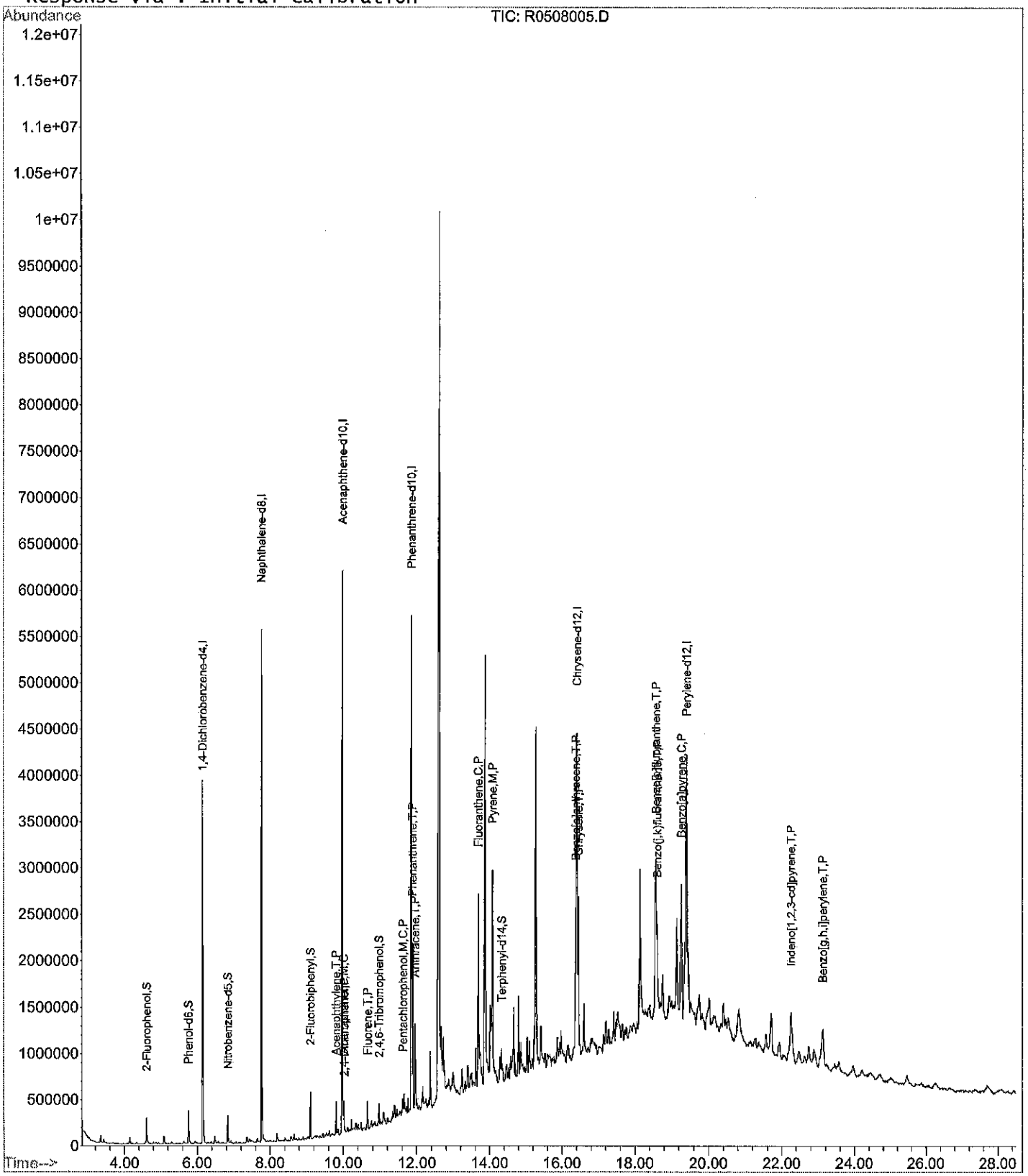
JP 6/2/23

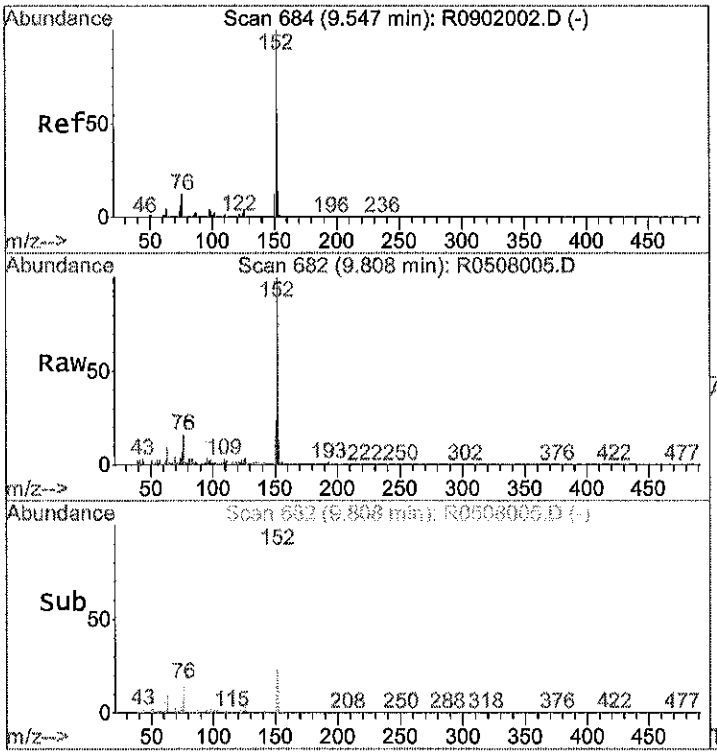
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230508\R0508005.D Vial: 5
Acq On : 8 May 2023 1:18 pm Operator: JP
Sample : 04-330-03 10X Inst : Ralph
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 8 14:54 2023 Quant Results File: SV230410.RES

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Thu May 11 08:45:53 2023
Response via : Initial Calibration

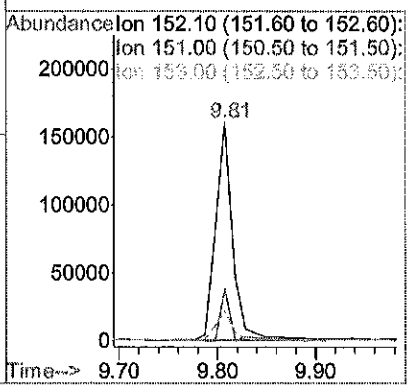


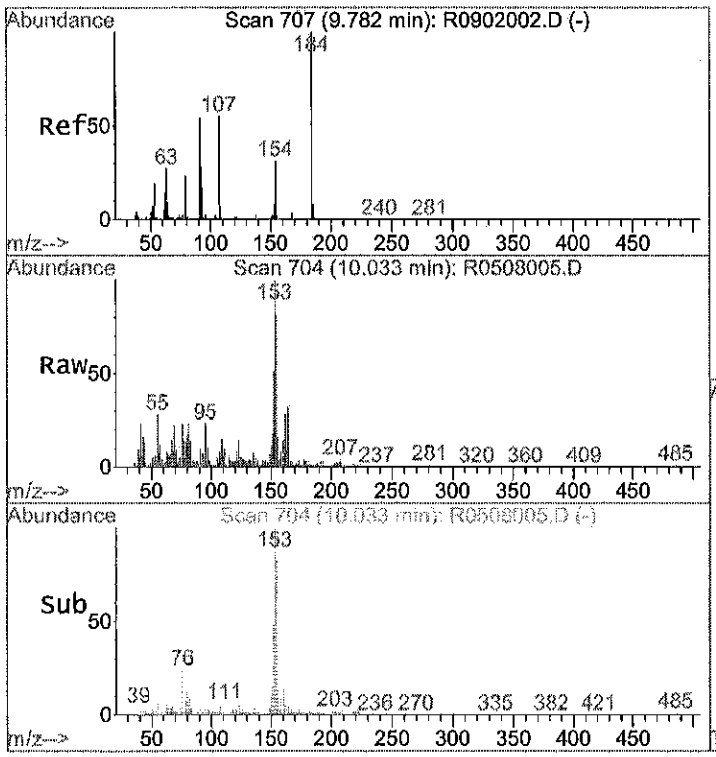


#48
Acenaphthylene
Concen: 1.44 ug/mL
RT: 9.81 min Scan# 682
Delta R.T. -0.21 min
Lab File: R0508005.D
Acq: 8 May 2023 1:18 pm

Tgt Ion:152 Resp: 192421

Ion	Ratio	Lower	Upper
152	100		
151	13.8	0.0	39.5
153	13.7	0.0	33.4

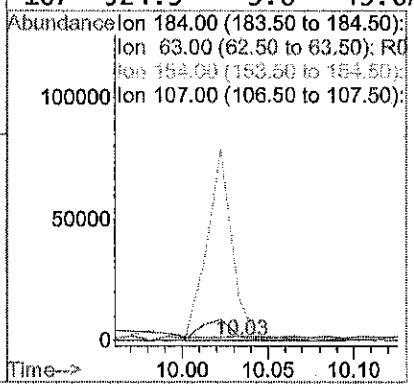


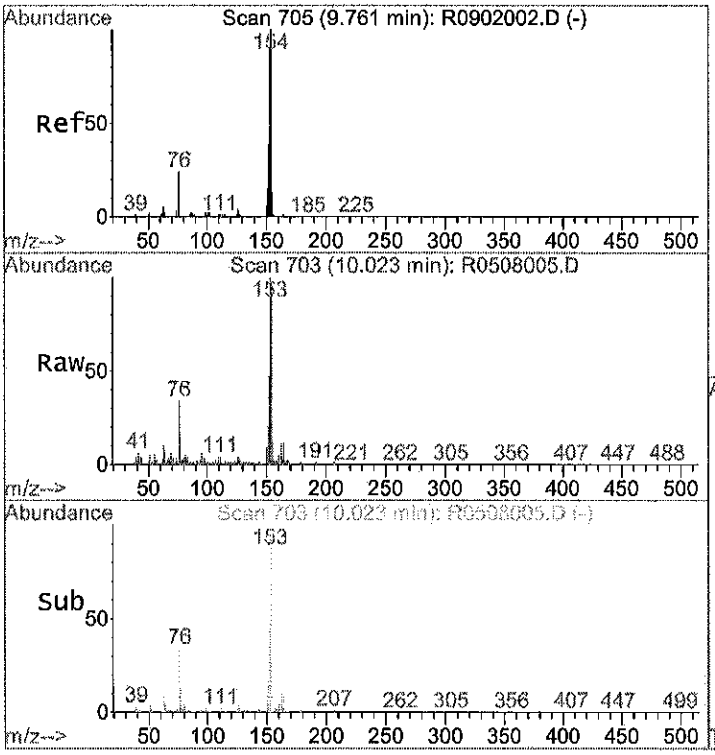


#50
2,4-Dinitrophenol
Concen: 2.43 ug/mL
RT: 10.03 min Scan# 704
Delta R.T. -0.20 min
Lab File: R0508005.D
Acq: 8 May 2023 1:18 pm

Tgt Ion:184 Resp: 470

Ion	Ratio	Lower	Upper
184	100		
63	2912.6	121.7	181.7#
154	18851.9	546.6	606.6#
107	324.9	9.6	49.6#

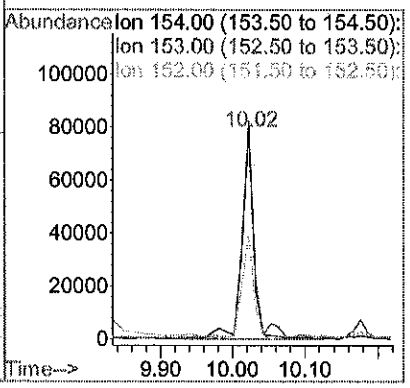


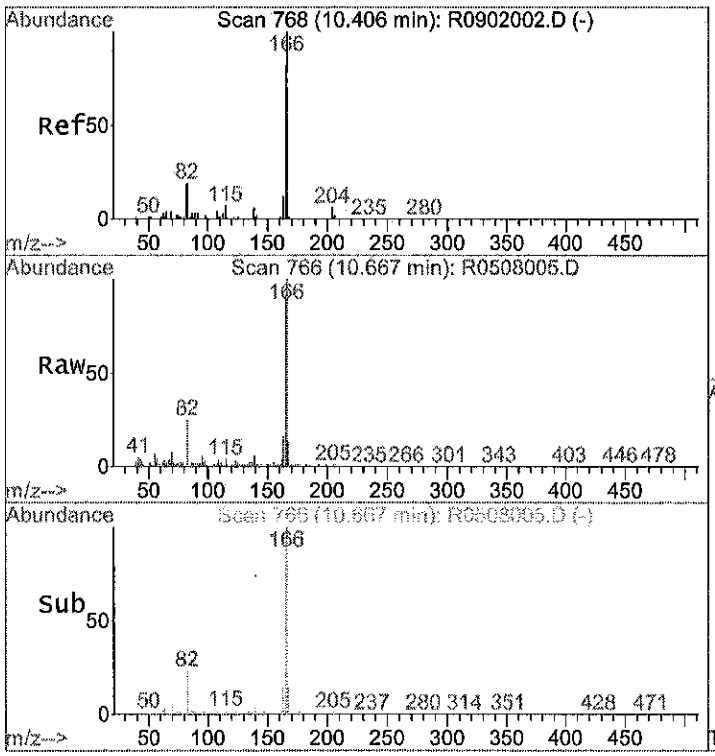


#51
Acenaphthene
Concen: 1.07 ug/mL
RT: 10.02 min Scan# 703
Delta R.T. -0.21 min
Lab File: R0508005.D
Acq: 8 May 2023 1:18 pm

Tgt Ion:154 Resp: 88604

Ion	Ratio	Lower	Upper
154	100		
153	107.0	75.6	115.6
152	49.8	23.3	63.3

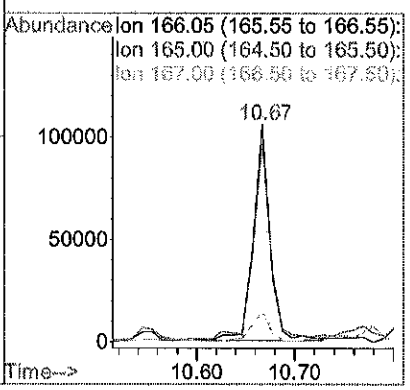


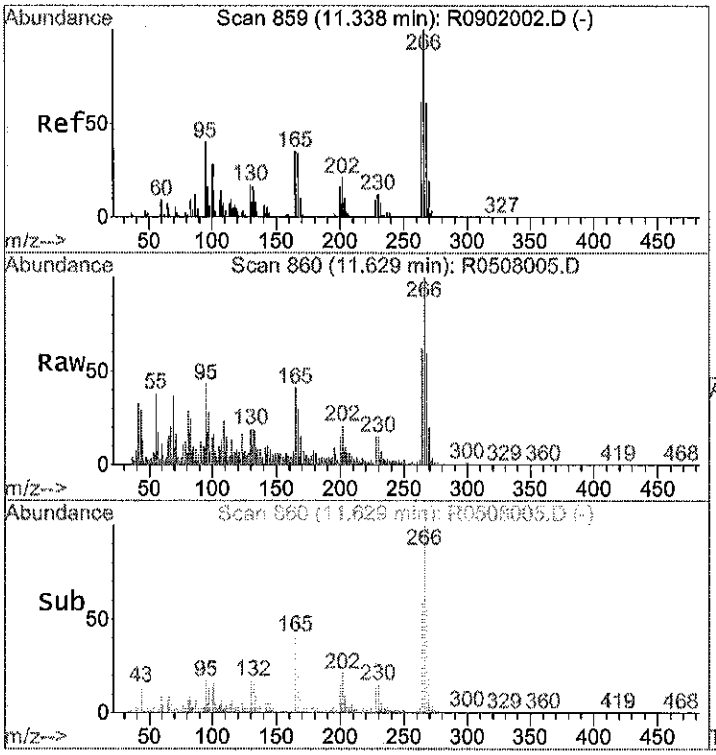


#60
Fluorene
Concen: 1.30 ug/mL
RT: 10.67 min Scan# 766
Delta R.T. -0.21 min
Lab File: R0508005.D
Acq: 8 May 2023 1:18 pm

Tgt Ion:166 Resp: 121760

Ion	Ratio	Lower	Upper
166	100		
165	95.4	68.5	108.5
167	14.9	0.0	33.5

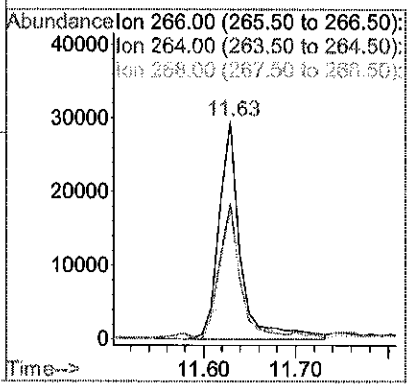


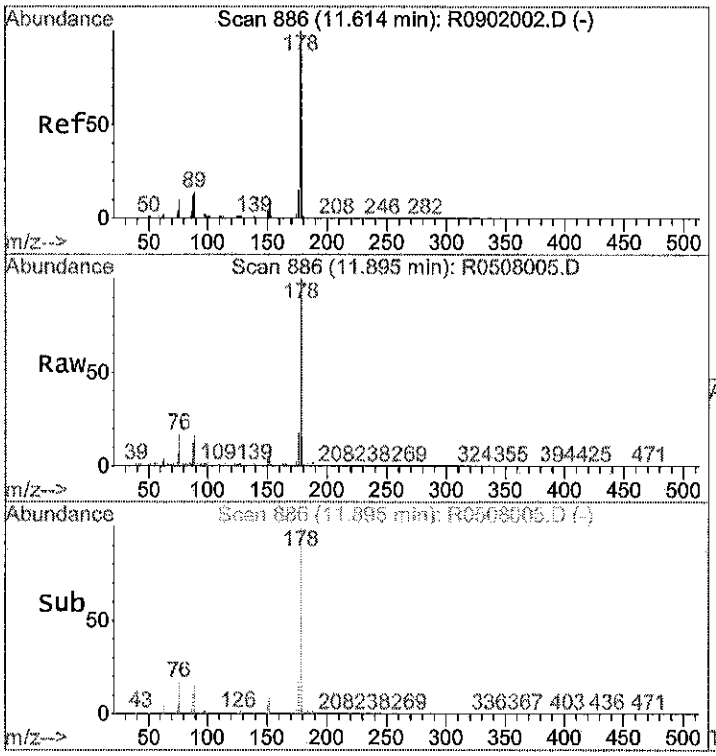


#68
Pentachlorophenol
Concen: 3.68 ug/mL
RT: 11.63 min Scan# 860
Delta R.T. -0.19 min
Lab File: R0508005.D
Acq: 8 May 2023 1:18 pm

Tgt Ion:266 Resp: 47701

Ion	Ratio	Lower	Upper
266	100		
264	59.3	42.8	82.8
268	62.8	44.0	84.0

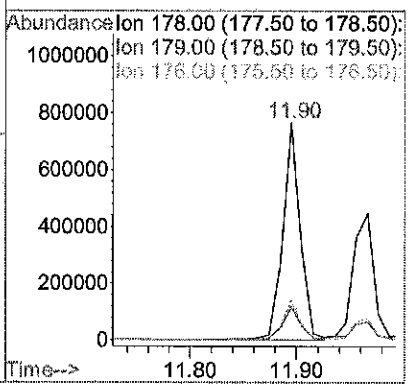


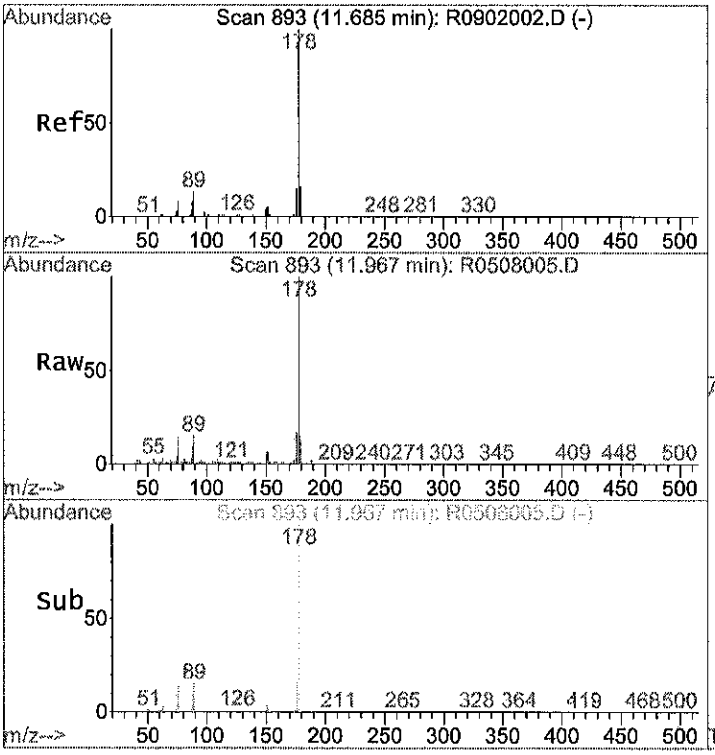


#70
Phenanthrene
Concen: 6.25 ug/mL
RT: 11.90 min Scan# 886
Delta R.T. -0.22 min
Lab File: R0508005.D
Acq: 8 May 2023 1:18 pm

Tgt Ion:178 Resp: 859072

Ion	Ratio	Lower	Upper
178	100		
179	15.8	0.0	35.6
176	18.4	0.0	37.8

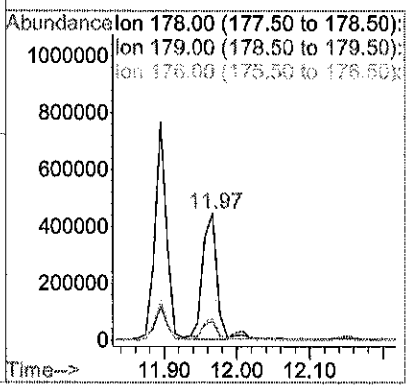


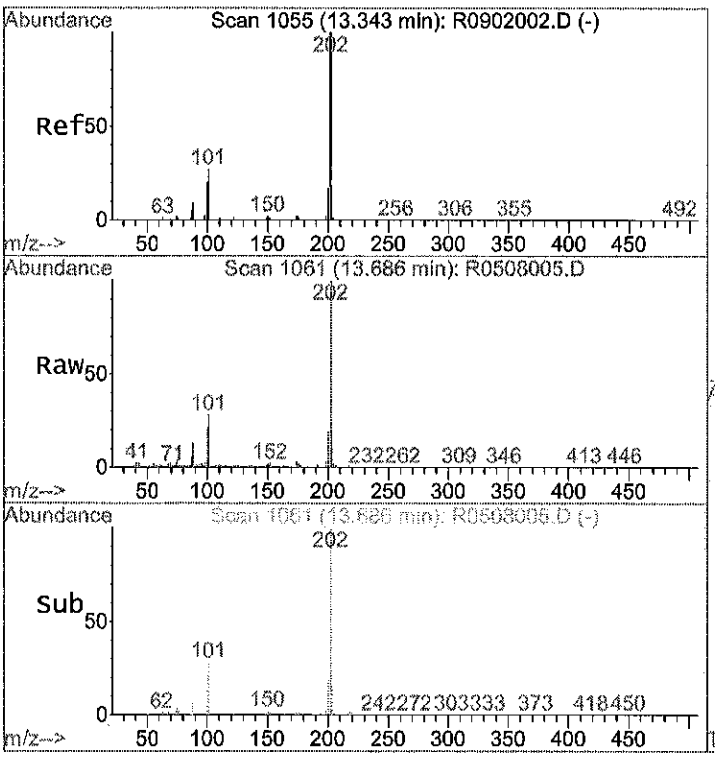


#71
Anthracene
Concen: 4.51 ug/mL
RT: 11.97 min Scan# 893
Delta R.T. -0.22 min
Lab File: R0508005.D
Acq: 8 May 2023 1:18 pm

Tgt Ion:178 Resp: 624118

Ion	Ratio	Lower	Upper
178	100		
179	14.5	0.0	35.4
176	17.2	0.0	36.9

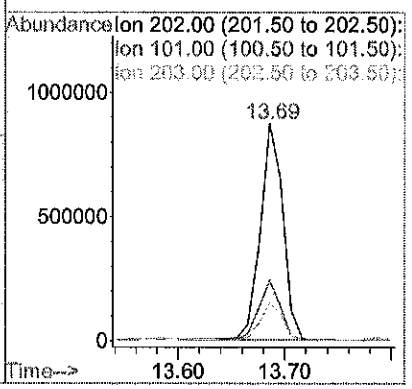


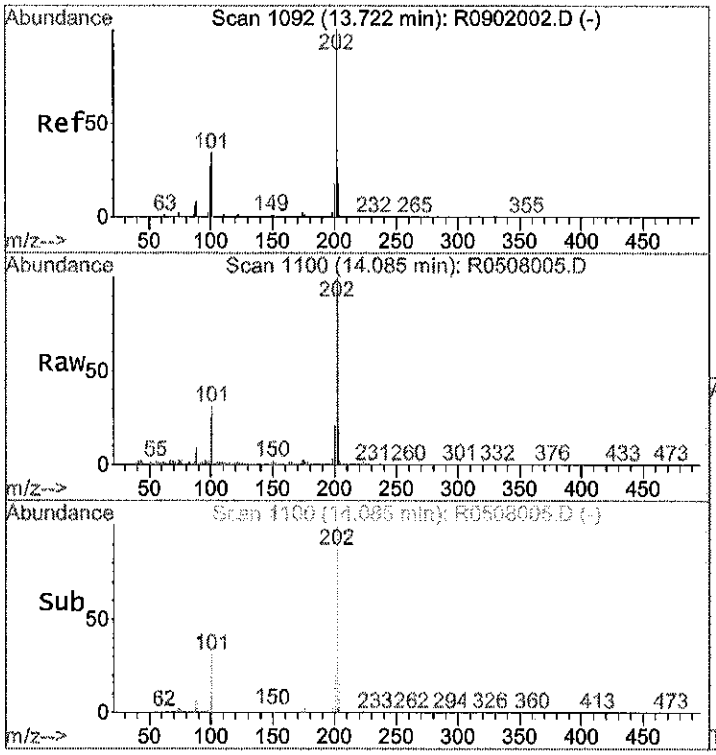


#74
Fluoranthene
Concen: 10.19 ug/mL
RT: 13.69 min Scan# 1061
Delta R.T. -0.27 min
Lab File: R0508005.D
Acq: 8 May 2023 1:18 pm

Tgt Ion:202 Resp: 1283563

Ion	Ratio	Lower	Upper
202	100		
101	27.1	0.0	38.8
203	17.4	0.0	37.4

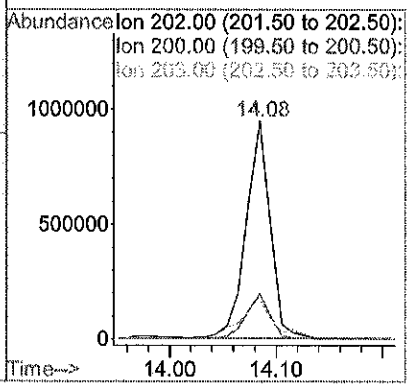


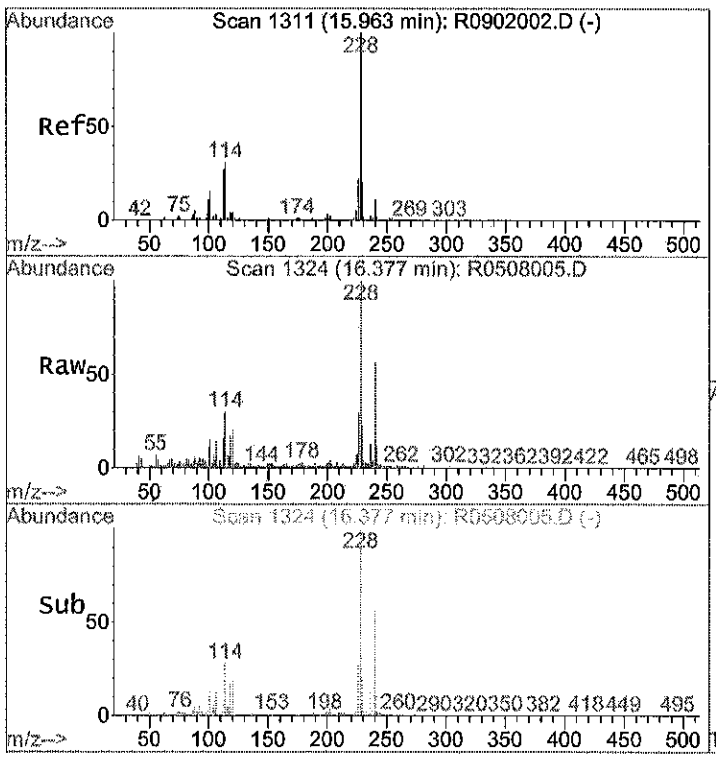


#77
Pyrene
Concen: 11.58 ug/mL
RT: 14.08 min Scan# 1100
Delta R.T. -0.27 min
Lab File: R0508005.D
Acq: 8 May 2023 1:18 pm

Tgt Ion:202 Resp: 1479095

Ion	Ratio	Lower	Upper
202	100		
200	21.0	0.0	39.3
203	24.1	0.0	38.0

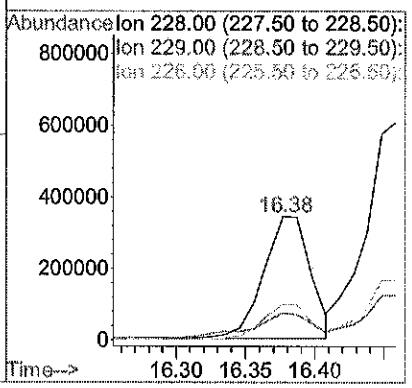


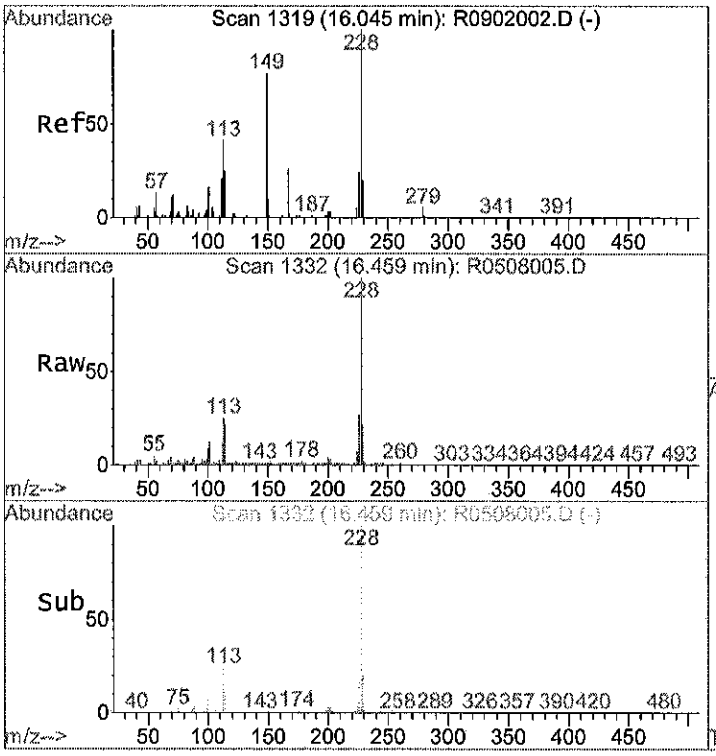


#82
Benzo[a]anthracene
Concen: 7.09 ug/mL
RT: 16.38 min Scan# 1324
Delta R.T. -0.30 min
Lab File: R0508005.D
Acq: 8 May 2023 1:18 pm

Tgt Ion:228 Resp: 799868

Ion	Ratio	Lower	Upper
228	100		
229	24.3	0.0	39.8
226	28.5	4.5	44.5

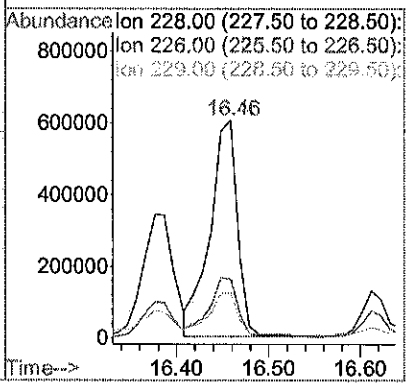


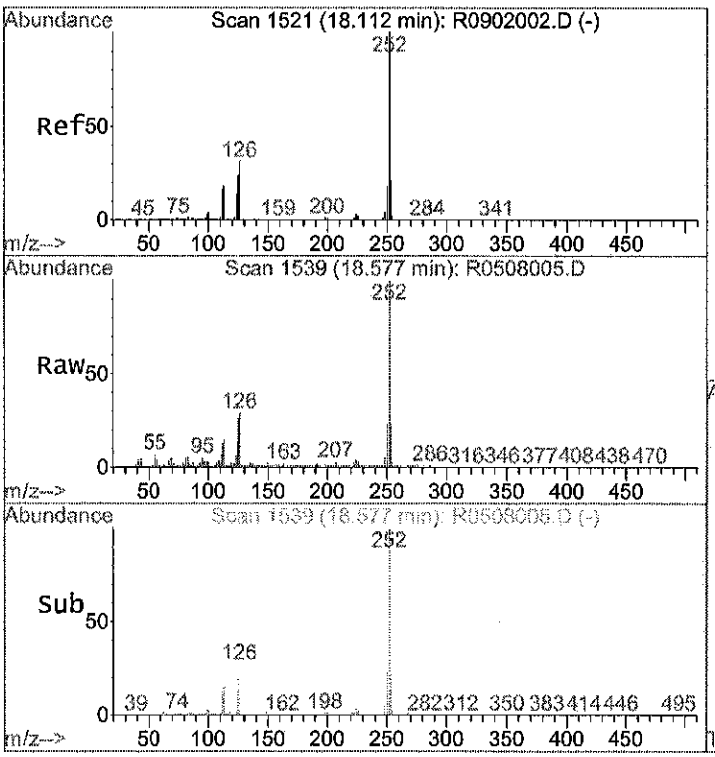


#83
Chrysene
Concen: 11.77 ug/mL
RT: 16.46 min Scan# 1332
Delta R.T. -0.30 min
Lab File: R0508005.D
Acq: 8 May 2023 1:18 pm

Tgt Ion:228 Resp: 1245835

Ion	Ratio	Lower	Upper
228	100		
226	28.7	7.2	47.2
229	19.3	0.0	39.9

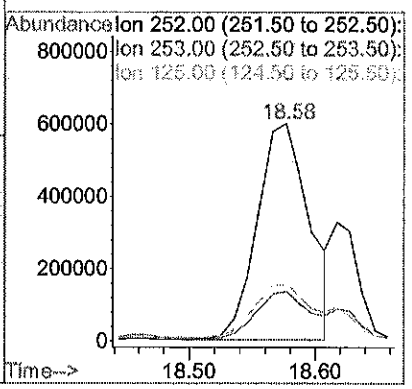


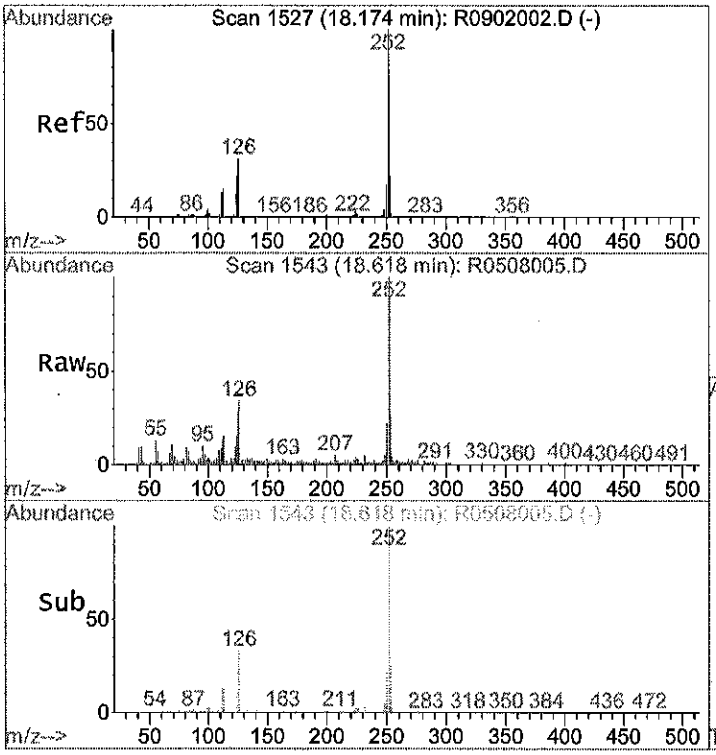


#87
Benzo[b]fluoranthene
Concen: 15.74 ug/mL
RT: 18.58 min Scan# 1539
Delta R.T. -0.32 min
Lab File: R0508005.D
Acq: 8 May 2023 1:18 pm

Tgt Ion:252 Resp: 1731396

Ion	Ratio	Lower	Upper
252	100		
253	23.1	2.2	42.2
125	33.1	0.0	36.9

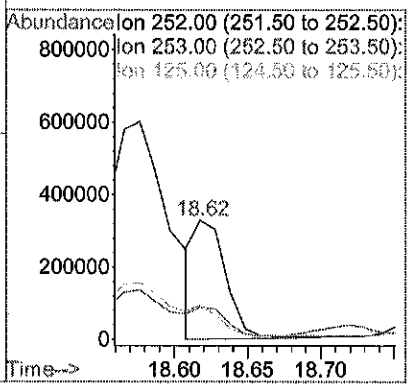


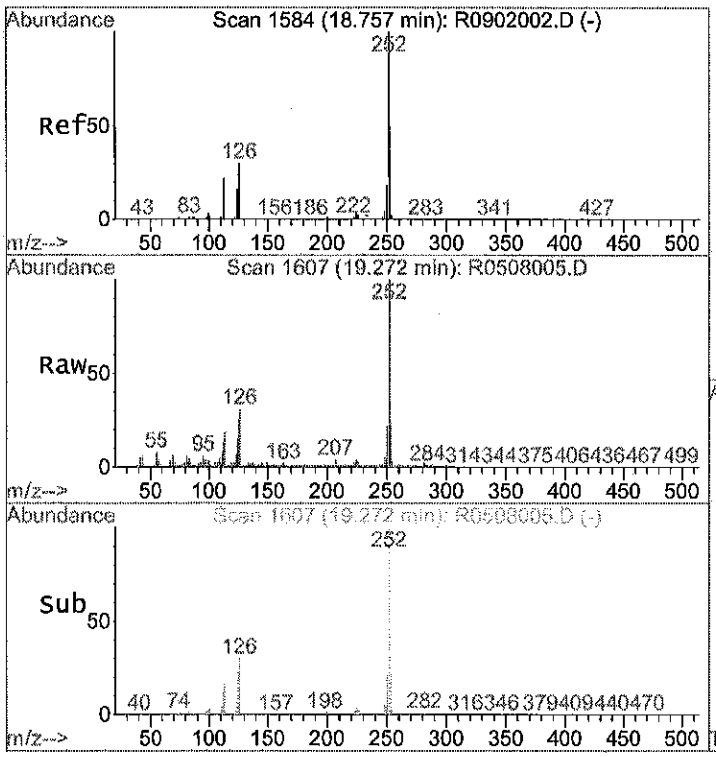


#88
Benzo(j,k)fluoranthene
Concen: 4.65 ug/mL m
RT: 18.62 min Scan# 1543
Delta R.T. -0.34 min
Lab File: R0508005.D
Acq: 8 May 2023 1:18 pm

Tgt Ion:252 Resp: 496833

Ion	Ratio	Lower	Upper
252	100		
253	80.3	2.1	42.1#
125	115.3	0.0	36.9#

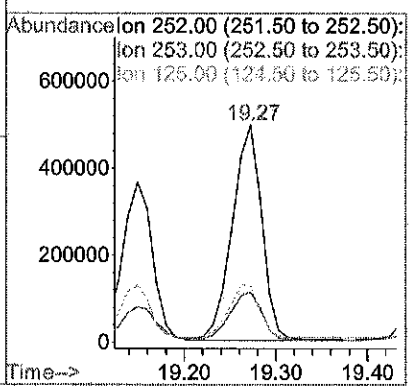


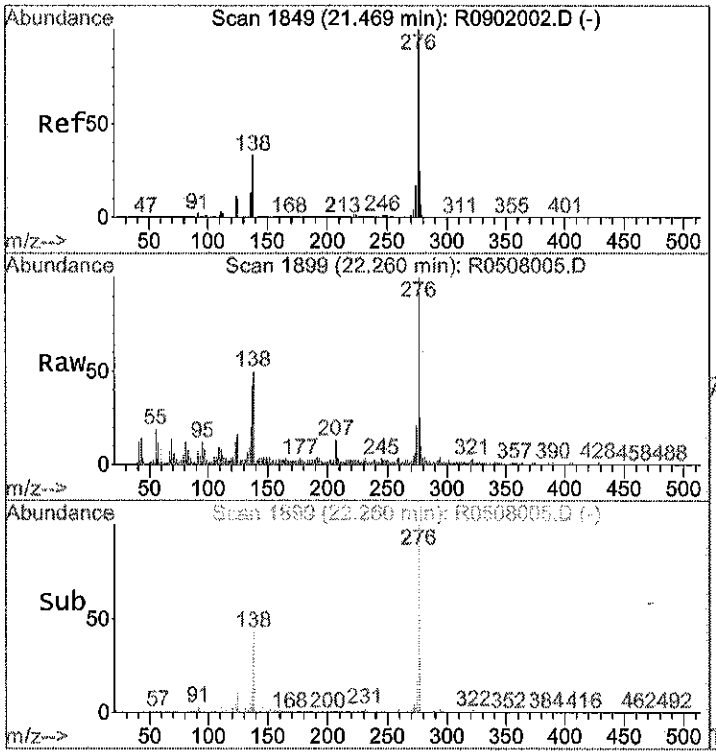


#89
Benzo[a]pyrene
Concen: 11.88 ug/mL
RT: 19.27 min Scan# 1607
Delta R.T. -0.36 min
Lab File: R0508005.D
Acq: 8 May 2023 1:18 pm

Tgt Ion:252 Resp: 1123890

Ion	Ratio	Lower	Upper
252	100		
253	24.3	1.9	41.9
125	26.2	0.0	38.4

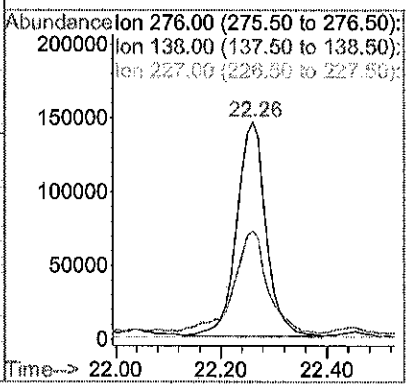


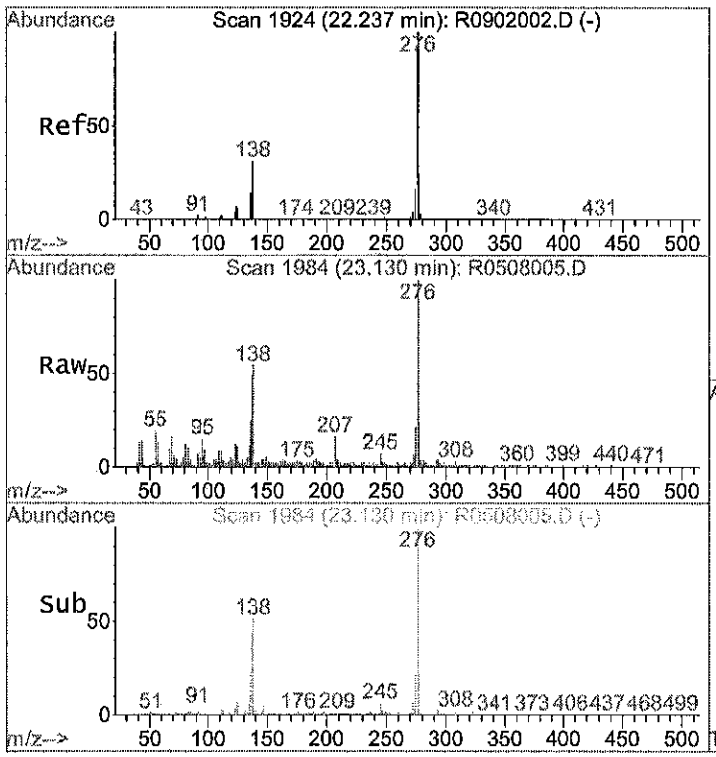


#90
Indeno[1,2,3-cd]pyrene
Concen: 5.78 ug/mL
RT: 22.26 min Scan# 1899
Delta R.T. -0.57 min
Lab File: R0508005.D
Acq: 8 May 2023 1:18 pm

Tgt Ion:276 Resp: 555755

Ion	Ratio	Lower	Upper
276	100		
138	55.3	12.7	52.7#
227	0.3	0.0	20.1

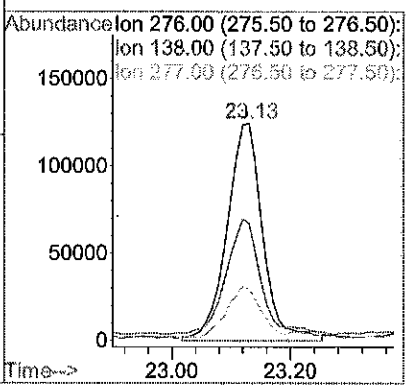




#92
Benzo[g,h,i]perylene
Concen: 5.59 ug/mL m
RT: 23.13 min Scan# 1984
Delta R.T. -0.65 min
Lab File: R0508005.D
Acq: 8 May 2023 1:18 pm

Tgt Ion:276 Resp: 516730

Ion	Ratio	Lower	Upper
276	100		
138	4.4	14.8	54.8#
277	2.2	3.7	43.7#



Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230509\
Data File : J0509027.D
Acq On : 9 May 2023 9:29 pm
Operator : JP
Sample : 04-330-03 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: May 09 21:59:41 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4		6.142	152	290171	25.00	ug/mL	0.00
20) Naphthalene-d8		7.764	136	1178433	25.00	ug/mL	0.00
36) Acenaphthene-d10		9.991	164	728555	25.00	ug/mL	0.00
62) Phenanthrene-d10		11.883	188	1178514	25.00	ug/mL	0.00
76) Chrysene-d12		16.466	240	1077365	25.00	ug/mL	0.00
87) Perylene-d12		19.515	264	1111554	25.00	ug/mL	0.02
System Monitoring Compounds							
4) 2-Fluorophenol		4.550	112	33313	2.01	ug/mL	-0.01
Spiked Amount	40.000	Range 21 - 110		Recovery =	5.02%#		
5) Phenol-d6		5.672	99	46203	2.22	ug/mL	-0.01
Spiked Amount	40.000	Range 10 - 110		Recovery =	5.55%#		
21) Nitrobenzene-d5		6.836	82	42638	2.14	ug/mL	-0.01
Spiked Amount	40.000	Range 35 - 114		Recovery =	5.35%#		
41) 2-Fluorobiphenyl		9.109	172	62390	1.67	ug/mL	-0.01
Spiked Amount	40.000	Range 43 - 116		Recovery =	4.17%#		
66) 2,4,6-Tribromophenol		10.978	330	9359	2.06	ug/mL	-0.01
Spiked Amount	40.000	Range 10 - 123		Recovery =	5.15%#		
79) Terphenyl-d14		14.368	244	72253	1.68	ug/mL	-0.02
Spiked Amount	40.000	Range 33 - 141		Recovery =	4.20%#		
Target Compounds							Qvalue
71) Phenanthrene		11.912	178	311702	5.95	ug/mL	98
75) Fluoranthene		13.728	202	565288	9.79	ug/mL	86
78) Pyrene		14.127	202	667837	11.28	ug/mL	91
83) Benzo[a]anthracene		16.442	228	382001	6.87	ug/mL	90
84) Chrysene		16.518	228	570618	11.60	ug/mL	97
88) Benzo[b]fluoranthene		18.645	252	755511	13.73	ug/mL	88
89) Benzo(j,k)fluoranthene		18.645	252	755511	14.56	ug/mL	89
90) Benzo[a]pyrene		19.368	252	504949	10.84	ug/mL	85
91) Indeno[1,2,3-cd]pyrene		22.453	276	255082	5.15	ug/mL	77

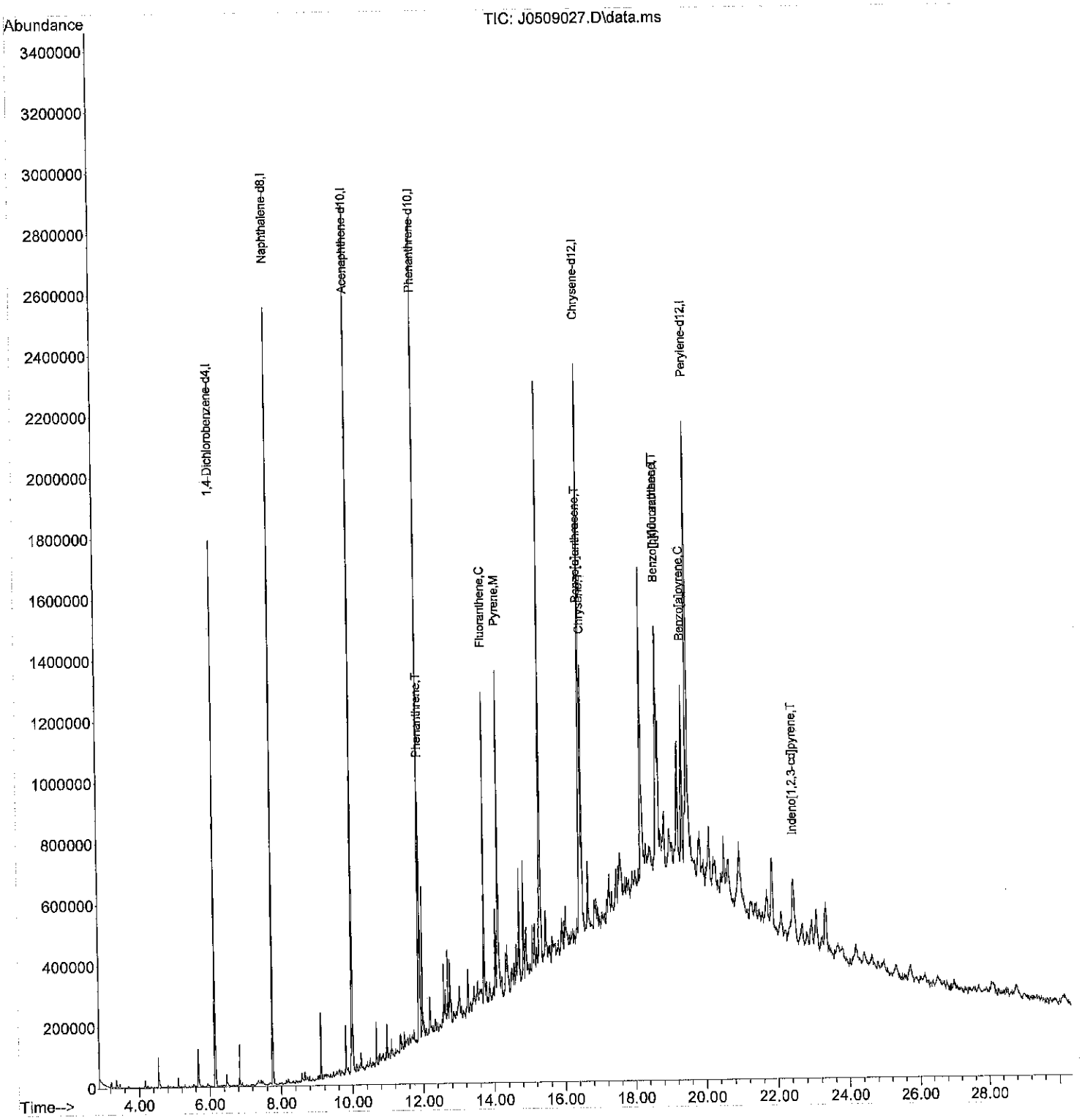
(#) = qualifier out of range (m) = manual integration (+) = signals summed

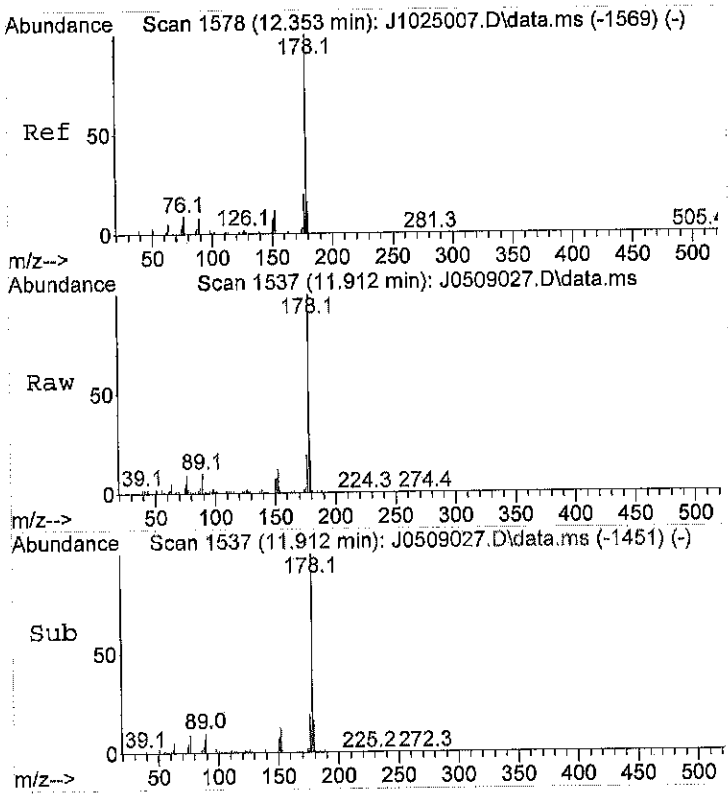
JP 6/2/23

Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230509\
Data File : J0509027.D
Acq On : 9 May 2023 9:29 pm
Operator : JP
Sample : 04-330-03 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: May 09 21:59:41 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration

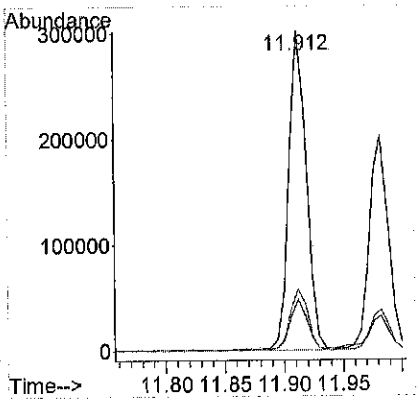


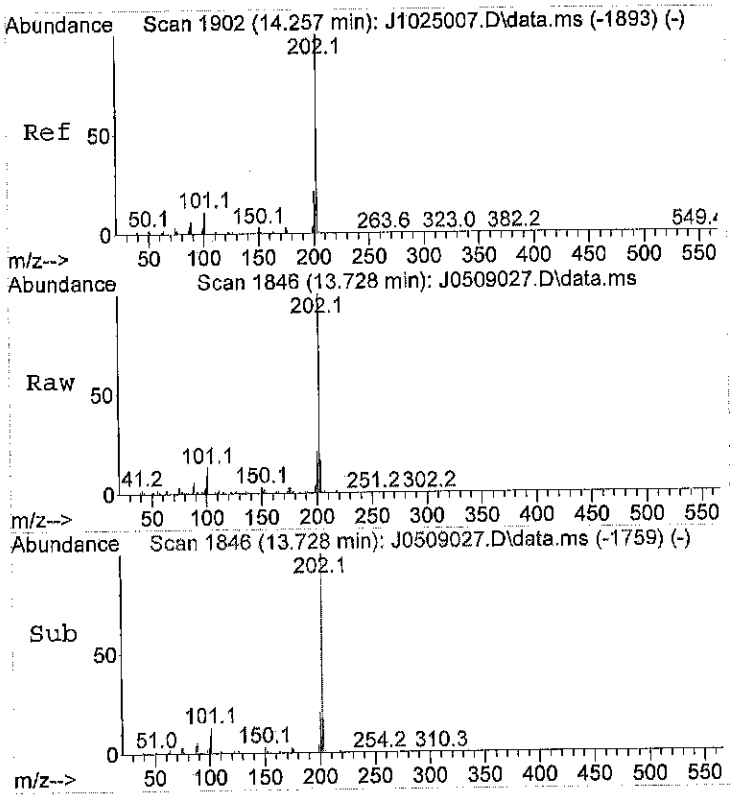


#71
Phenanthrene
Concen: 5.95 ug/mL
RT: 11.912 min Scan# 1537
Delta R.T. -0.012 min
Lab File: J0509027.D
Acq: 9 May 2023 9:29 pm

Tgt Ion:178 Resp: 311702

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	35.6
176	19.6	0.0	38.1

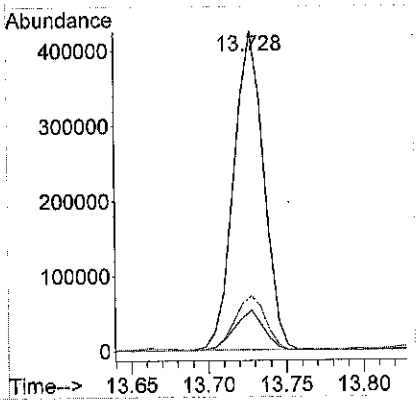


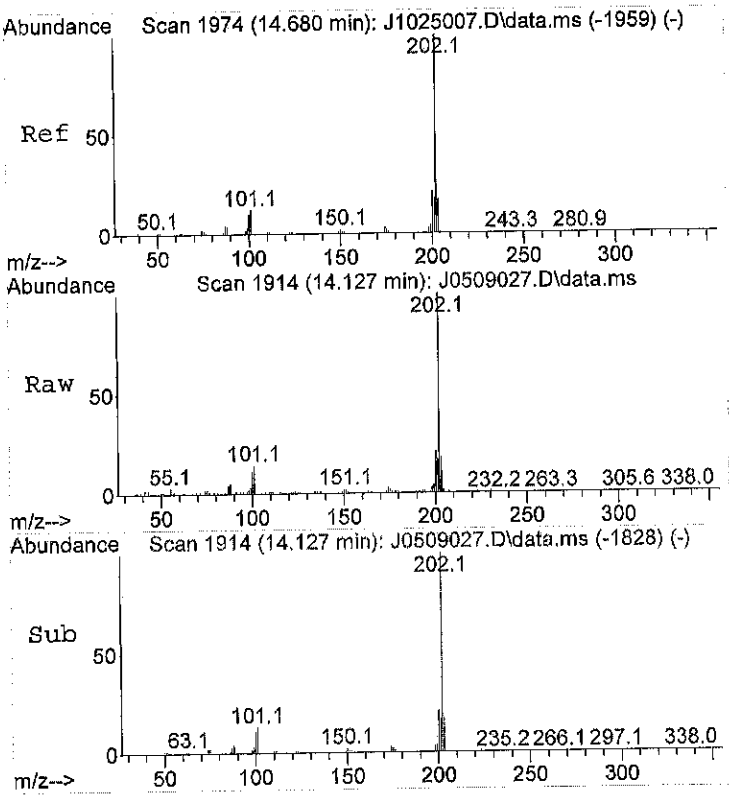


#75
Fluoranthene
Concen: 9.79 ug/mL
RT: 13.728 min Scan# 1846
Delta R.T. -0.006 min
Lab File: J0509027.D
Acq: 9 May 2023 9:29 pm

Tgt Ion:202 Resp: 565288

Ion	Ratio	Lower	Upper
202	100		
101	12.8	4.2	44.2
203	17.6	0.0	37.2

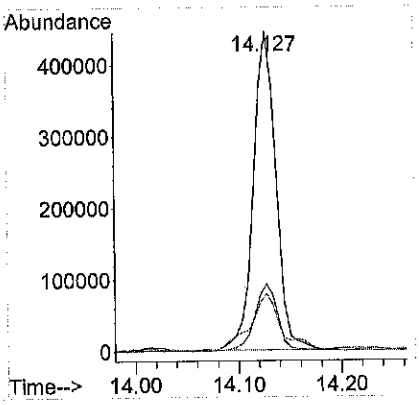


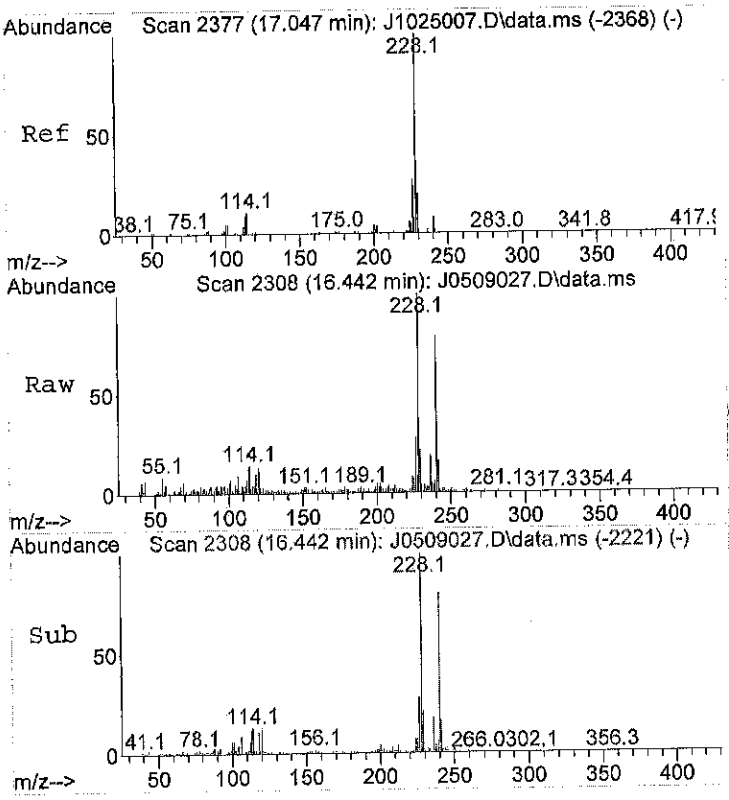


#78
Pyrene
Concen: 11.28 ug/mL
RT: 14.127 min Scan# 1914
Delta R.T. -0.012 min
Lab File: J0509027.D
Acq: 9 May 2023 9:29 pm

Tgt Ion:202 Resp: 667837

Ion	Ratio	Lower	Upper
202	100		
200	21.4	0.0	39.4
203	24.1	0.0	37.7

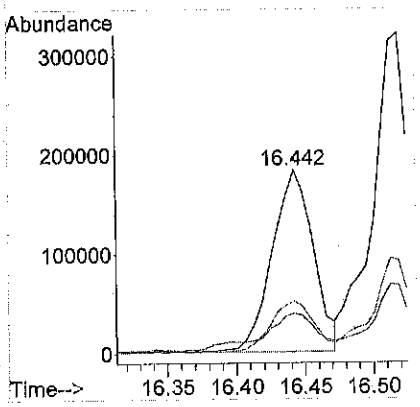


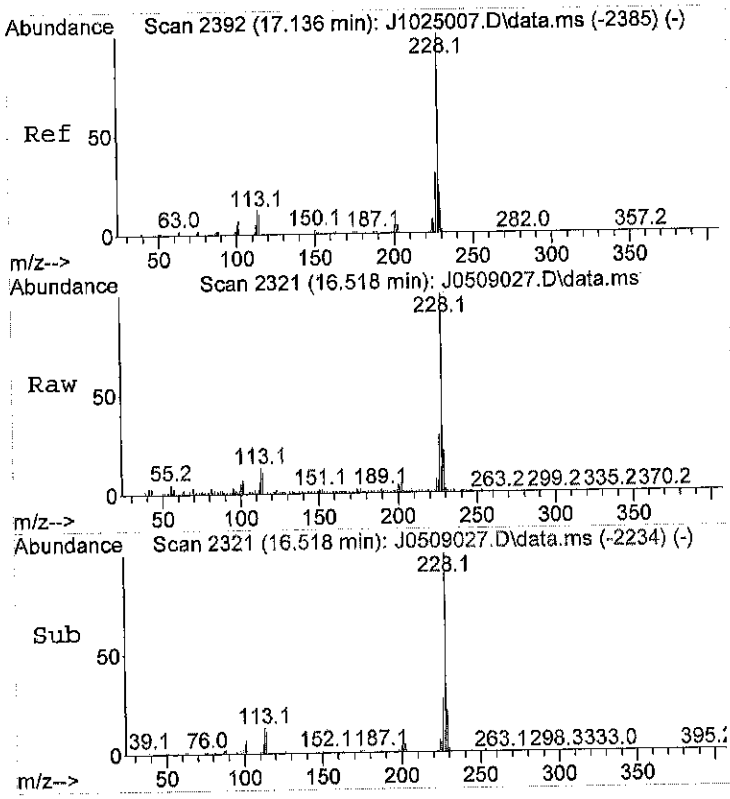


#83
Benzo[a]anthracene
Concen: 6.87 ug/mL
RT: 16.442 min Scan# 2308
Delta R.T. -0.006 min
Lab File: J0509027.D
Acq: 9 May 2023 9:29 pm

Tgt Ion:228 Resp: 382001

Ion	Ratio	Lower	Upper
228	100		
229	27.0	0.0	39.6
226	29.0	6.2	46.2

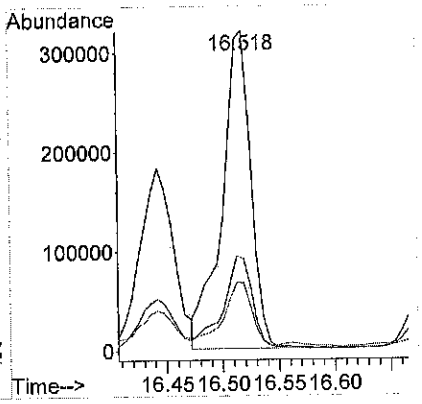


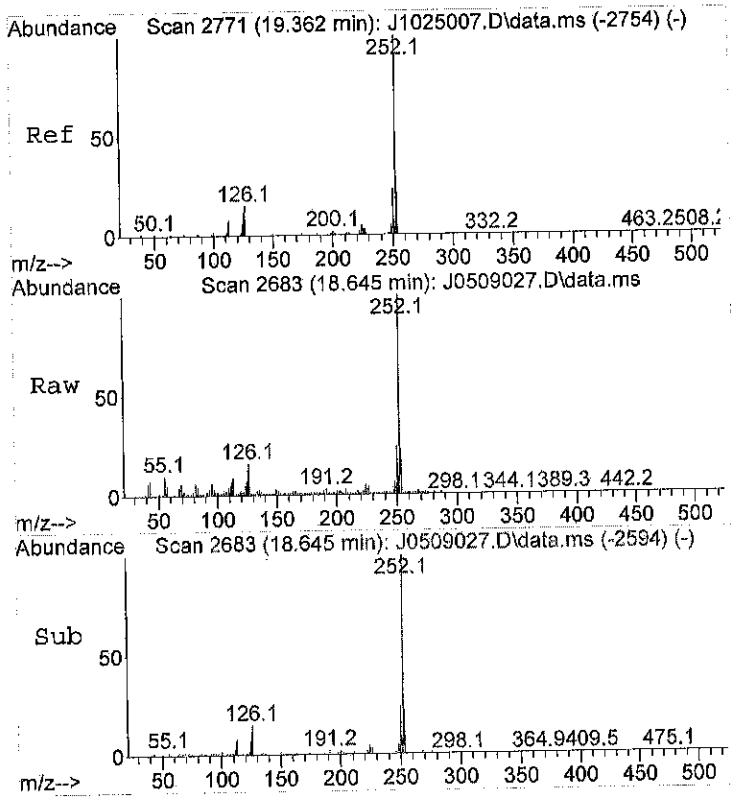


#84
Chrysene
Concen: 11.60 ug/mL
RT: 16.518 min Scan# 2321
Delta R.T. -0.006 min
Lab File: J0509027.D
Acq: 9 May 2023 9:29 pm

Tgt Ion:228 Resp: 570618

Ion	Ratio	Lower	Upper
228	100		
226	30.2	8.3	48.3
229	20.2	0.0	39.0

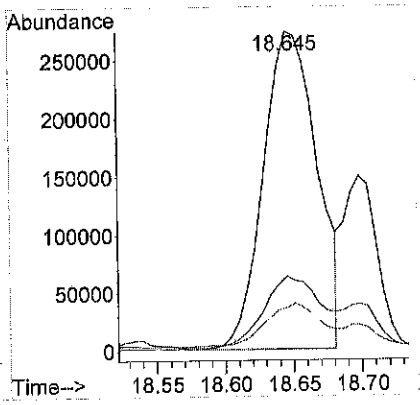


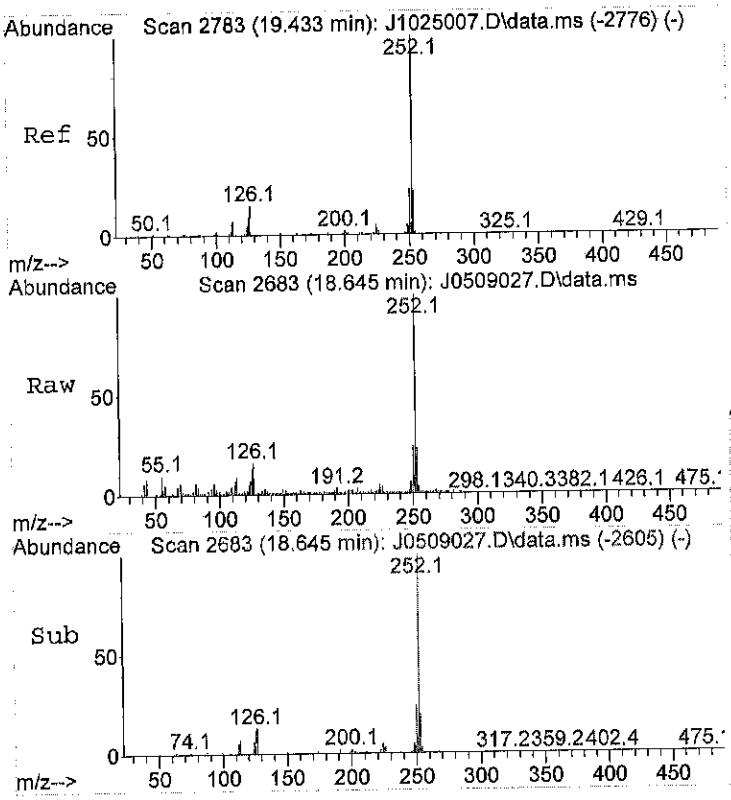


#88
Benzo[b]fluoranthene
Concen: 13.73 ug/mL
RT: 18.645 min Scan# 2683
Delta R.T. 0.006 min
Lab File: J0509027.D
Acq: 9 May 2023 9:29 pm

Tgt Ion:252 Resp: 755511

Ion	Ratio	Lower	Upper
252	100		
253	23.7	1.7	41.7
125	13.2	2.4	42.4

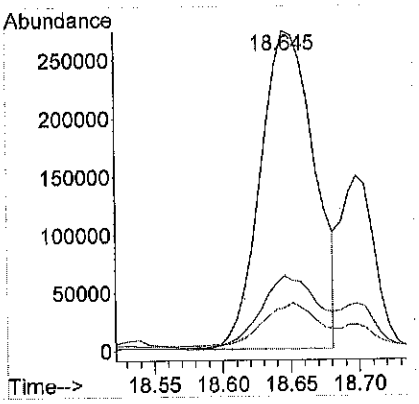


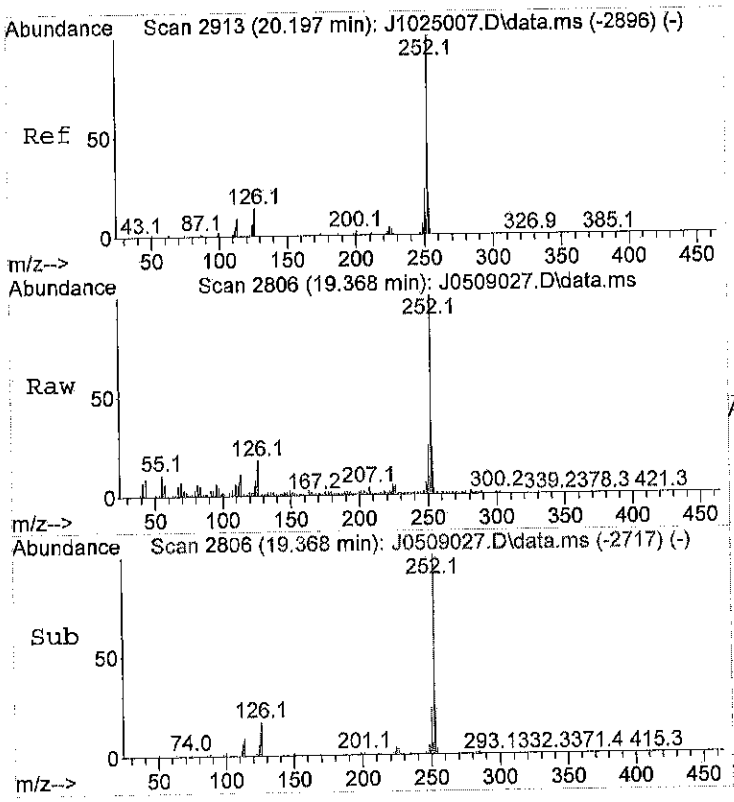


#89
Benzo(j,k)fluoranthene
Concen: 14.56 ug/mL
RT: 18.645 min Scan# 2683
Delta R.T. -0.059 min
Lab File: J0509027.D
Acq: 9 May 2023 9:29 pm

Tgt Ion:252 Resp: 755511

Ion	Ratio	Lower	Upper
252	100		
253	23.7	1.6	41.6
125	13.2	1.8	41.8

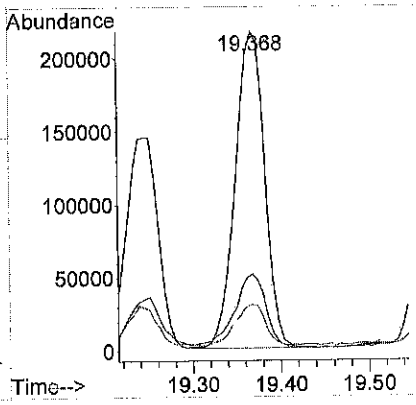


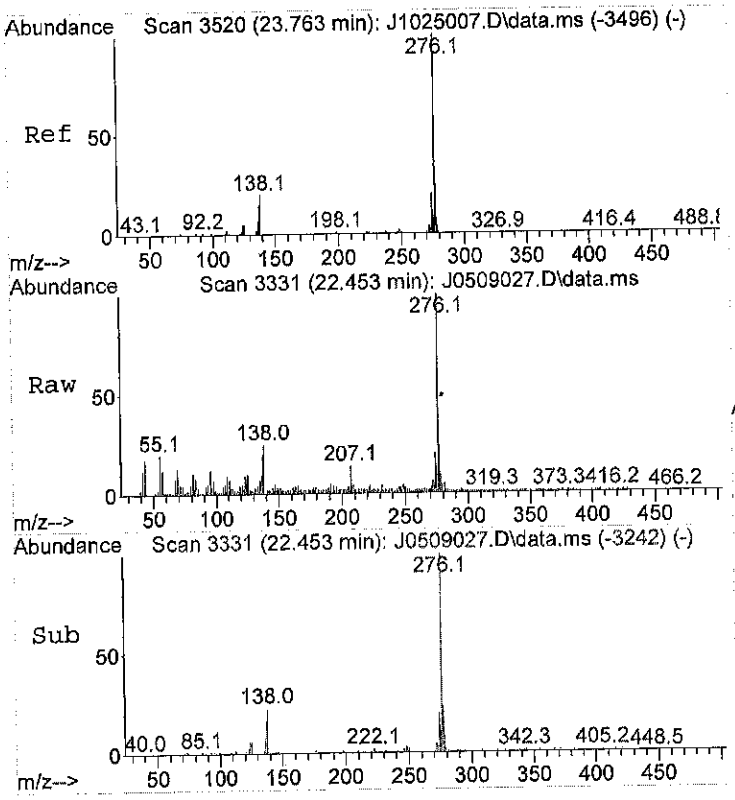


#90
Benzo[a]pyrene
Concen: 10.84 ug/mL
RT: 19.368 min Scan# 2806
Delta R.T. 0.006 min
Lab File: J0509027.D
Acq: 9 May 2023 9:29 pm

Tgt Ion:252 Resp: 504949

Ion	Ratio	Lower	Upper
252	100		
253	25.6	1.6	41.6
125	13.6	4.2	44.2

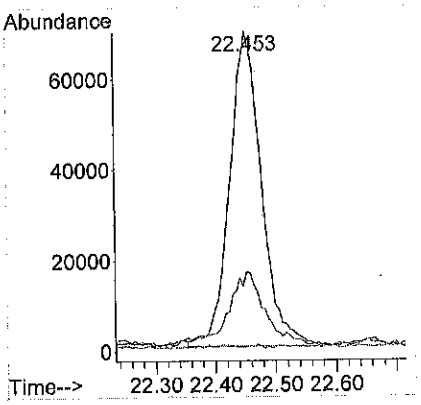




#91
Indeno[1,2,3-cd]pyrene
Concen: 5.15 ug/mL
RT: 22.453 min Scan# 3331
Delta R.T. 0.006 min
Lab File: J0509027.D
Acq: 9 May 2023 9:29 pm

Tgt Ion:276 Resp: 255082

Ion	Ratio	Lower	Upper
276	100		
138	26.7	21.2	61.2
227	0.3	0.0	20.0



Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Corey\DATA\C230505\
Data File : C0505027.D
Acq On : 5 May 2023 11:27 pm
Operator : JP
Sample : 04-330-03 20X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 02 10:05:23 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Thu May 04 10:12:53 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	3.886	136	201080	2000.00	ppb	0.00
5) Acenaphthene-d10	5.128	164	101269	2000.00	ppb	0.00
9) Phenanthrene-d10	6.147	188	175197	2000.00	ppb	0.00
16) Chrysene-d12	8.221	240	137067	2000.00	ppb	0.00
20) Perylene-d12	9.683	264	144846	2000.00	ppb	0.05
System Monitoring Compounds						
6) 2-Fluorobiphenyl	4.673	172	64094	647.27	ppb	0.00
Spiked Amount 1000.000	Range 25 - 89		Recovery = 64.73%			
10) Pyrene-d10	7.221	212	2763	28.75	ppb	0.07
Spiked Amount 1000.000	Range 40 - 110		Recovery = 2.88%#			
17) Terphenyl-d14	7.298	244	50070	773.95	ppb	-0.02
Spiked Amount 1000.000	Range 39 - 92		Recovery = 77.39%			
Target Compounds						Qvalue
2) Naphthalene	3.901	128	19610	149.27	ppb	98
3) 2-Methylnaphthalene	4.406	142	6022	70.89	ppb	98
4) 1-Methylnaphthalene	4.469	142	4080	50.91	ppb	92
7) Acenaphthylene	5.028	152	108672	804.52	ppb	100
8) Acenaphthene	5.143	153	32302	382.65	ppb	100
11) Fluorene	5.506	166	51336	567.98	ppb	100
12) Phenanthrene	6.164	178	290060	2286.07	ppb	95
13) Anthracene	6.199	178	273321	2079.52	ppb	96
14) Fluoranthene	6.990	202	459690	3226.77	ppb	81
15) Pyrene	7.163	202	621623	4407.95	ppb	97
18) Benzo[a]anthracene	8.215	228	372597	3414.38	ppb	85
19) Chrysene	8.250	228	524084	4136.45	ppb	96
21) Benzo[b]fluoranthene	9.305	252	955284	7014.72	ppb	81
22) Benzo(j,k)fluoranthene	9.305	252	955284	7624.33	ppb	80
23) Benzo[a]pyrene	9.630	252	491500	4207.62	ppb	85
24) Indeno(1,2,3-c,d)pyrene	10.697	276	244723	1948.30	ppb	59
25) Dibenz[a,h]anthracene	10.720	278	64551m	531.08	ppb	
26) Benzo[g,h,i]perylene	10.944	276	219441	1693.02	ppb	69

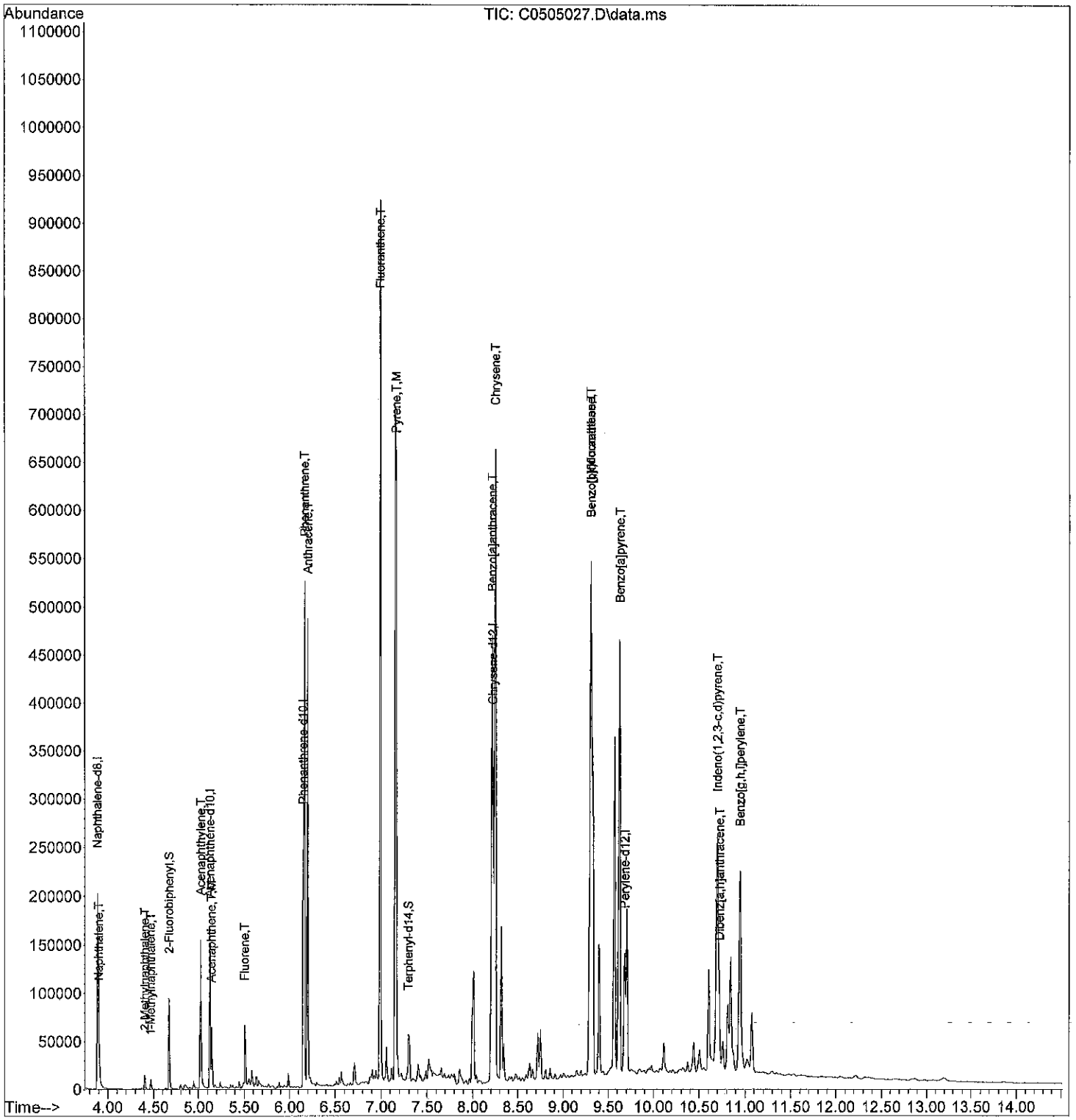
(#) = qualifier out of range (m) = manual integration (+) = signals summed

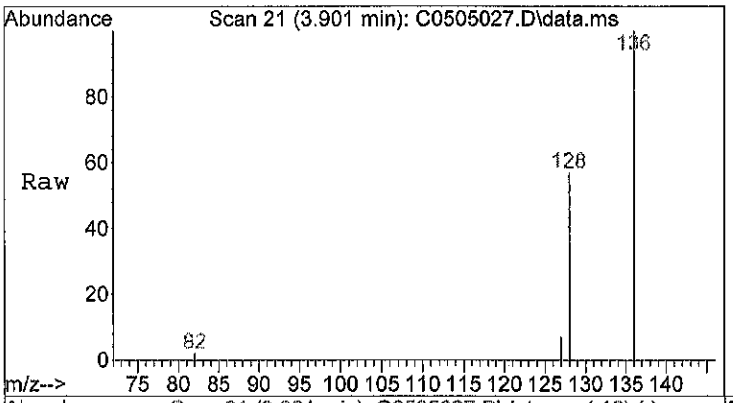
JB 6/2/23

Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Corey\DATA\C230505\
Data File : C0505027.D
Acq On : 5 May 2023 11:27 pm
Operator : JP
Sample : 04-330-03 20X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 02 10:05:23 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Thu May 04 10:12:53 2023
Response via : Initial Calibration

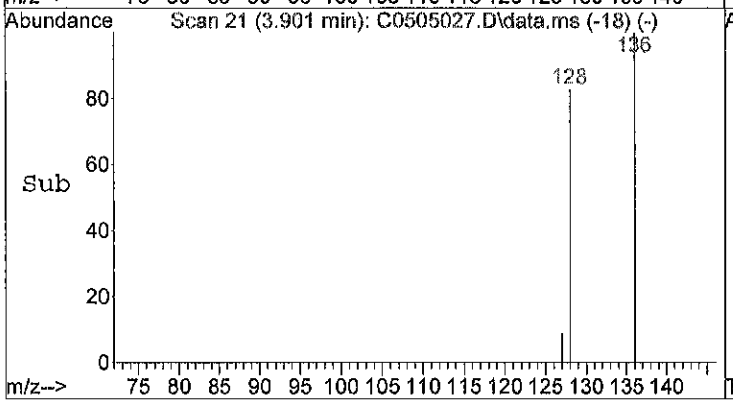


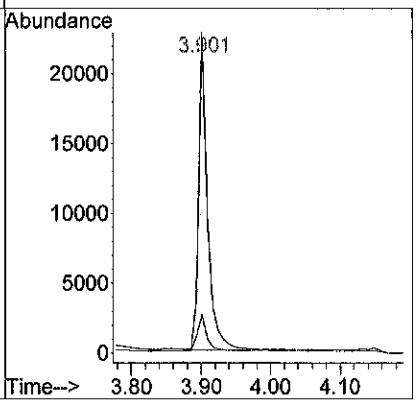


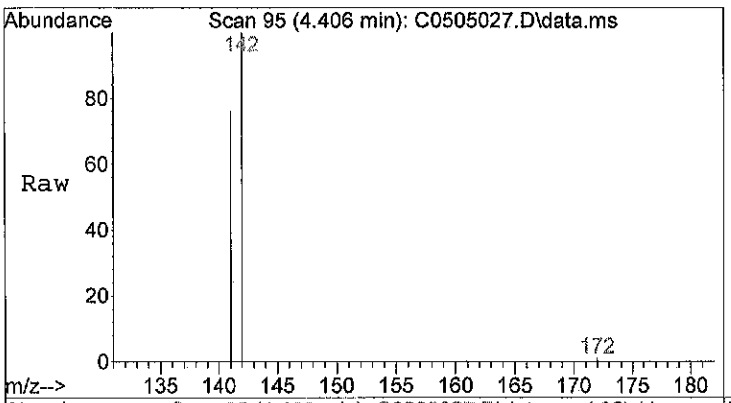
#2
Naphthalene
Concen: 149.27 ppb
RT: 3.901 min Scan# 21
Delta R.T. 0.197 min
Lab File: C0505027.D
Acq: 5 May 23 11:27 pm

Tgt Ion:128 Resp: 19610

Ion	Ratio	Lower	Upper
128	100		
127	11.9	0.0	32.5



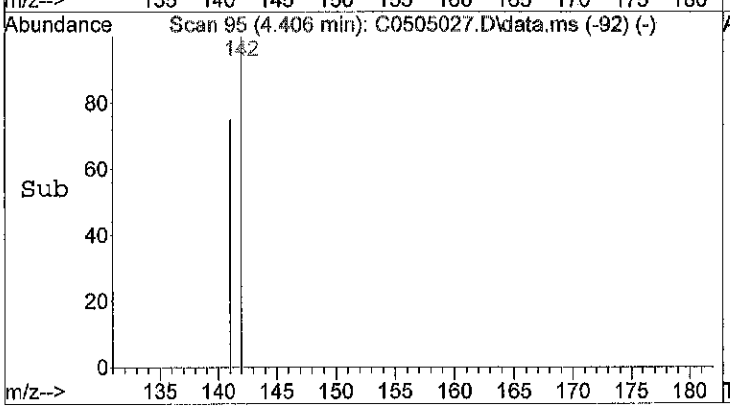


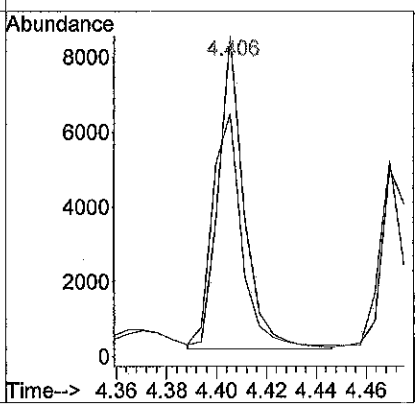


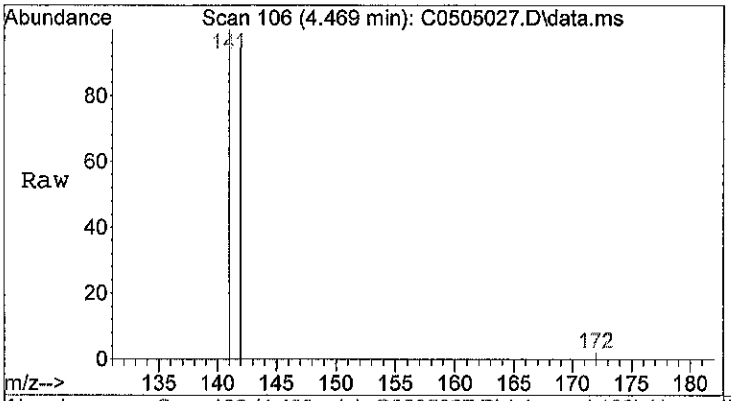
#3
2-Methylnaphthalene
Concen: 70.89 ppb
RT: 4.406 min Scan# 95
Delta R.T. 0.198 min
Lab File: C0505027.D
Acq: 5 May 23 11:27 pm

Tgt Ion:142 Resp: 6022

Ion	Ratio	Lower	Upper
142	100		
141	87.0	65.3	105.3



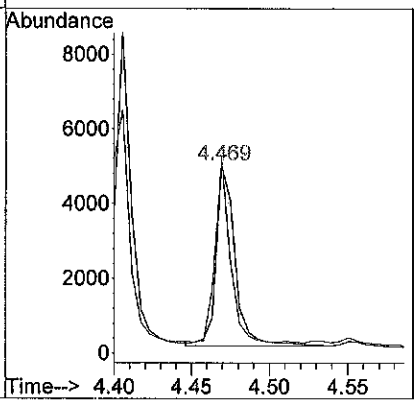


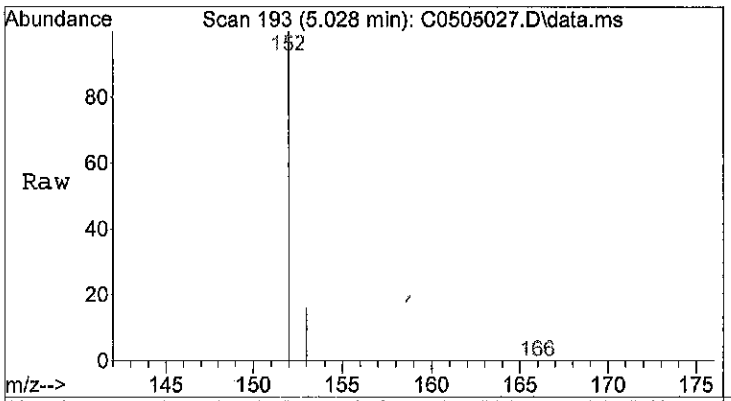


#4
1-Methylnaphthalene
Concen: 50.91 ppb
RT: 4.469 min Scan# 106
Delta R.T. 0.192 min
Lab File: C0505027.D
Acq: 5 May 23 11:27 pm

Tgt Ion:142 Resp: 4080

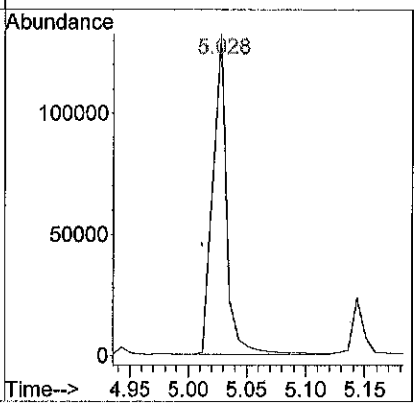
Ion	Ratio	Lower	Upper
142	100		
141	80.7	68.5	108.5

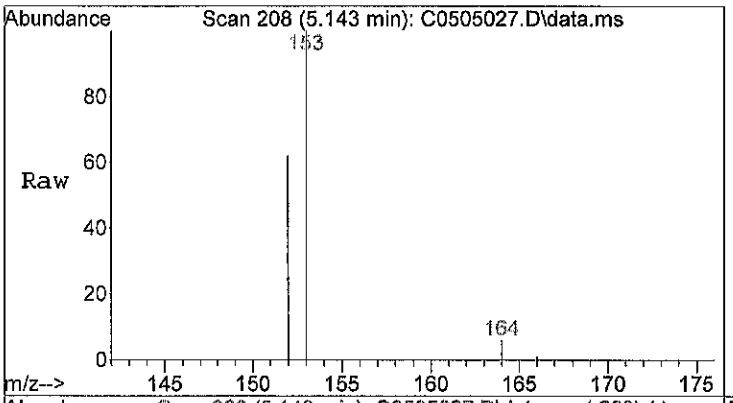




#7
Acenaphthylene
Concen: 804.52 ppb
RT: 5.028 min Scan# 193
Delta R.T. 0.203 min
Lab File: C0505027.D
Acq: 5 May 23 11:27 pm

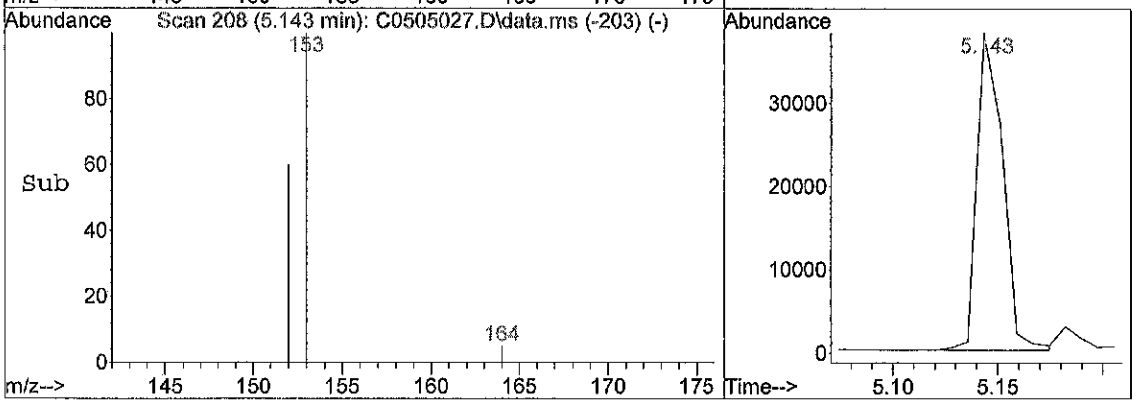
Tgt Ion:152 Resp: 108672

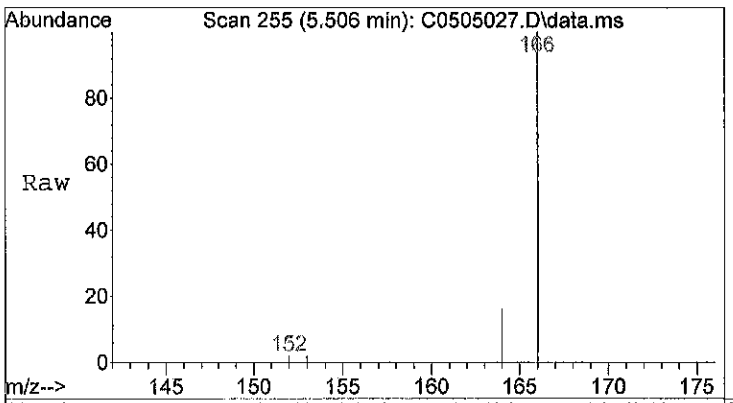




#8
Acenaphthene
Concen: 382.65 ppb
RT: 5.143 min Scan# 208
Delta R.T. 0.195 min
Lab File: C0505027.D
Acq: 5 May 23 11:27 pm

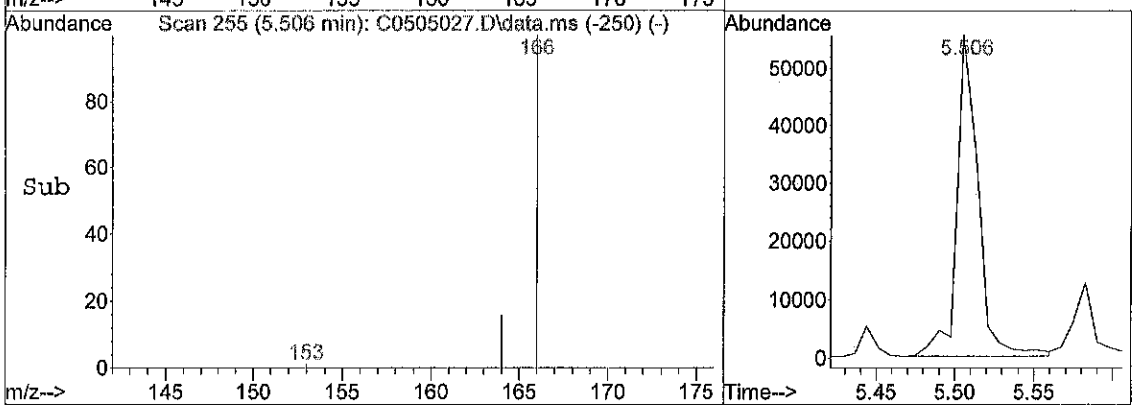
Tgt Ion:153 Resp: 32302

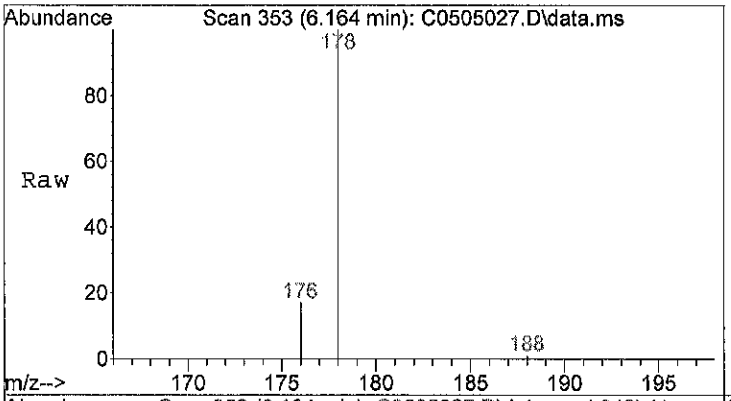




#11
Fluorene
Concen: 567.98 ppb
RT: 5.506 min Scan# 255
Delta R.T. 0.195 min
Lab File: C0505027.D
Acq: 5 May 23 11:27 pm

Tgt Ion:166 Resp: 51336

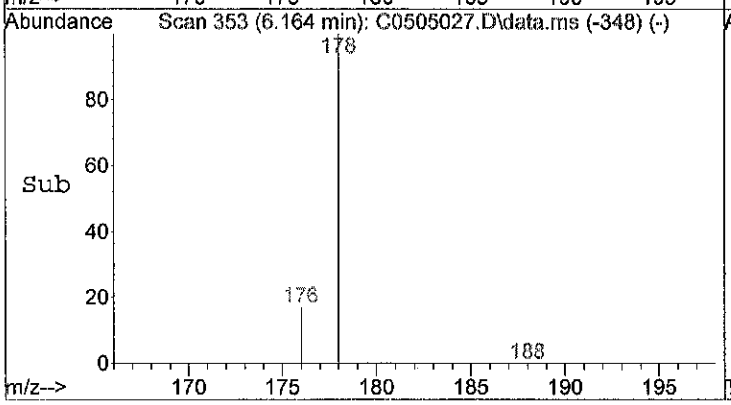


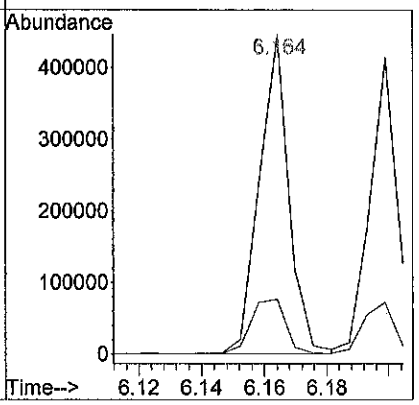


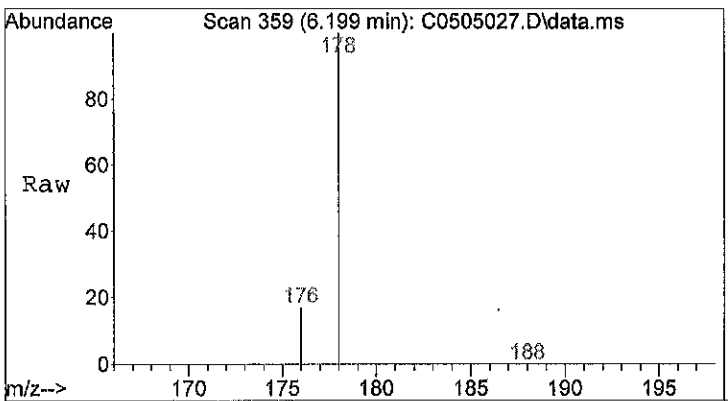
#12
Phenanthrene
Concen: 2286.07 ppb
RT: 6.164 min Scan# 353
Delta R.T. 0.204 min
Lab File: C0505027.D
Acq: 5 May 23 11:27 pm

Tgt Ion:178 Resp: 290060

Ion	Ratio	Lower	Upper
178	100		
176	20.4	0.0	38.2



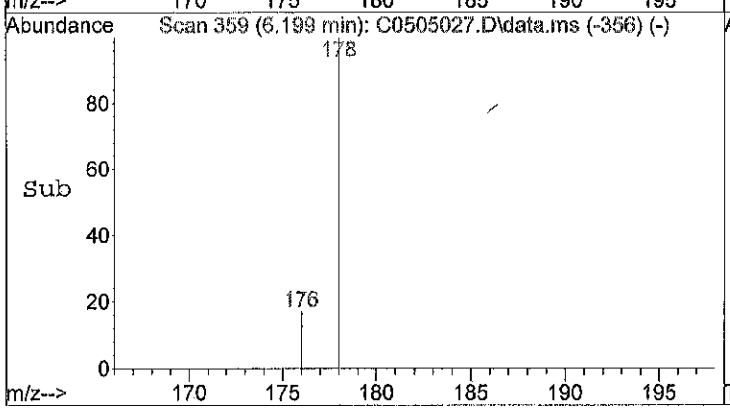


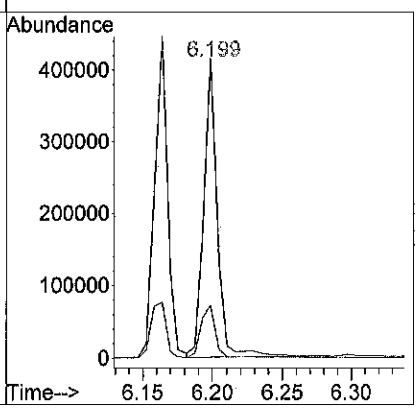


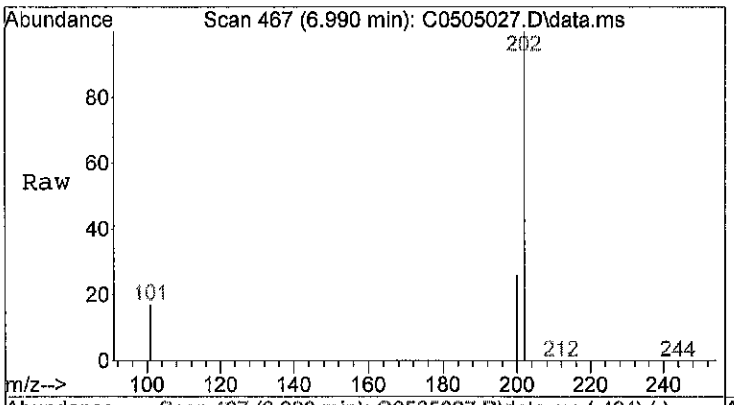
#13
Anthracene
Concen: 2079.52 ppb
RT: 6.199 min Scan# 359
Delta R.T. 0.204 min
Lab File: C0505027.D
Acq: 5 May 23 11:27 pm

Tgt Ion:178 Resp: 273321

Ion	Ratio	Lower	Upper
178	100		
176	19.4	0.0	37.7



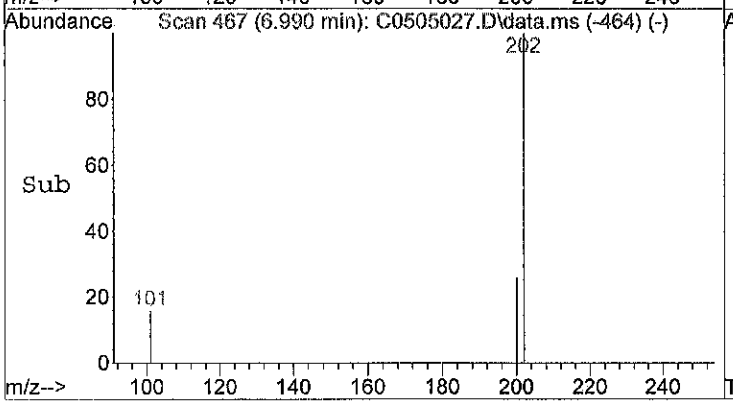


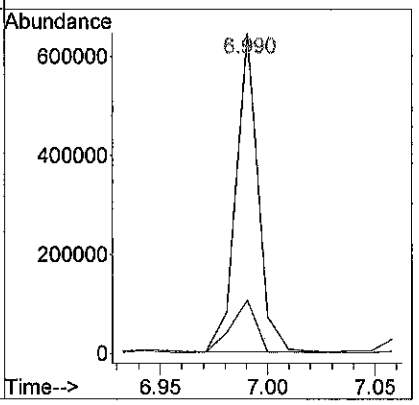


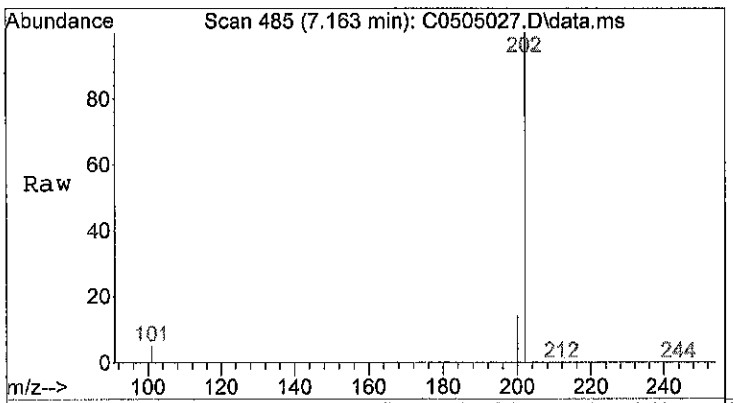
#14
Fluoranthene
Concen: 3226.77 ppb
RT: 6.990 min Scan# 467
Delta R.T. 0.219 min
Lab File: C0505027.D
Acq: 5 May 23 11:27 pm

Tgt Ion:202 Resp: 459690

Ion	Ratio	Lower	Upper
202	100		
101	18.9	0.0	31.5



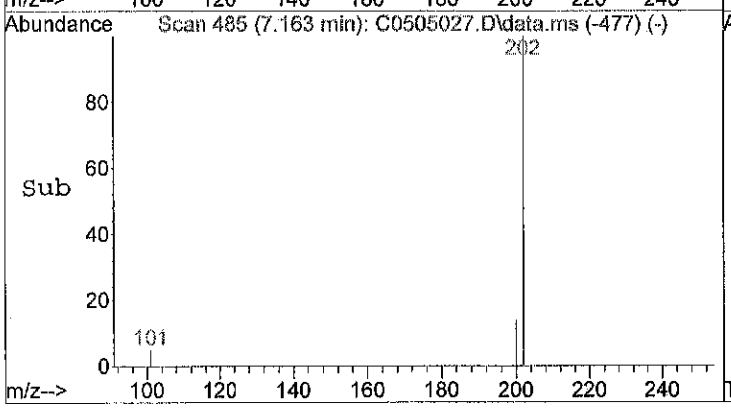


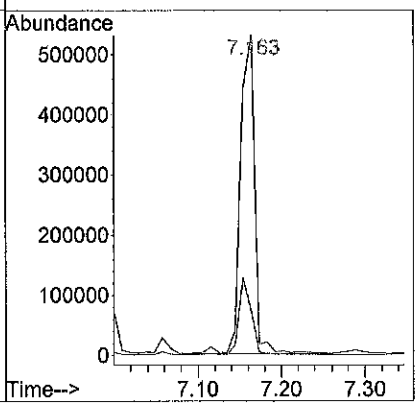


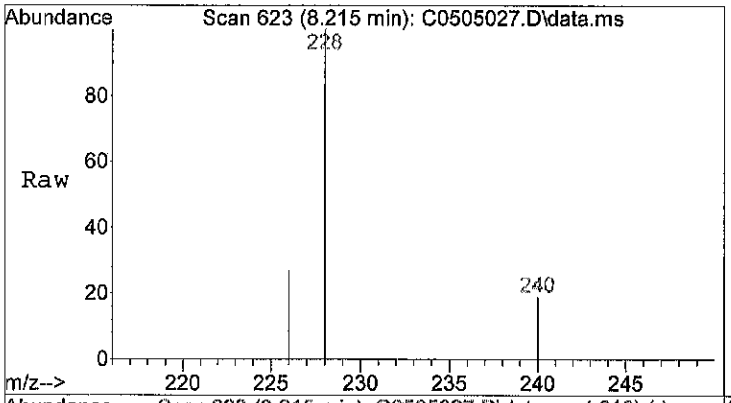
#15
Pyrene
Concen: 4407.95 ppb
RT: 7.163 min Scan# 485
Delta R.T. 0.238 min
Lab File: C0505027.D
Acq: 5 May 23 11:27 pm

Tgt Ion:202 Resp: 621623

Ion	Ratio	Lower	Upper
202	100		
200	21.3	0.0	39.9



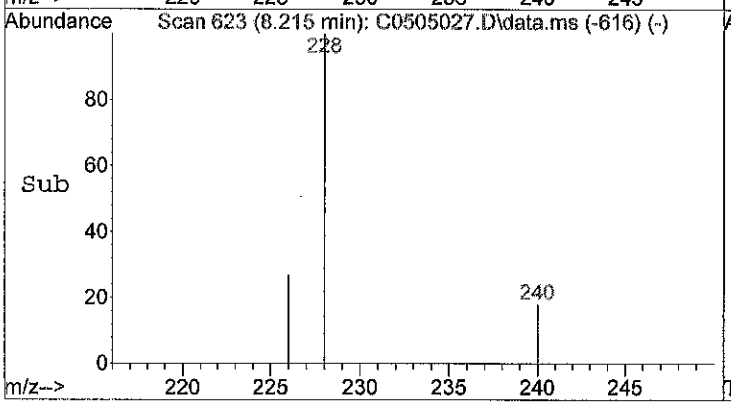


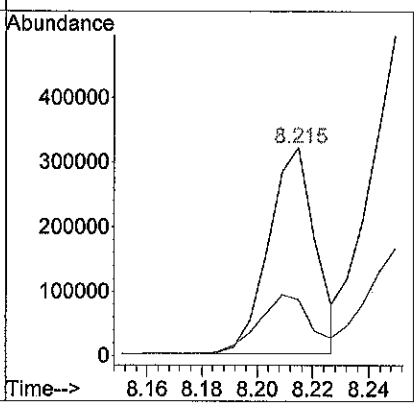


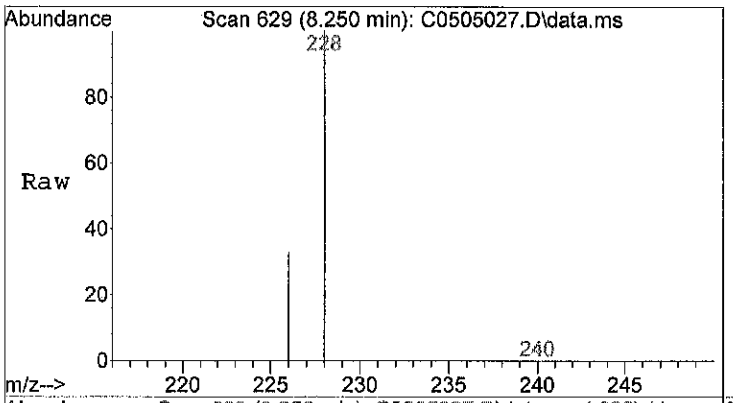
#18
Benzo[a]anthracene
Concen: 3414.38 ppb
RT: 8.215 min Scan# 623
Delta R.T. 0.303 min
Lab File: C0505027.D
Acq: 5 May 23 11:27 pm

Tgt Ion:228 Resp: 372597

Ion	Ratio	Lower	Upper
228	100		
226	32.9	5.3	45.3



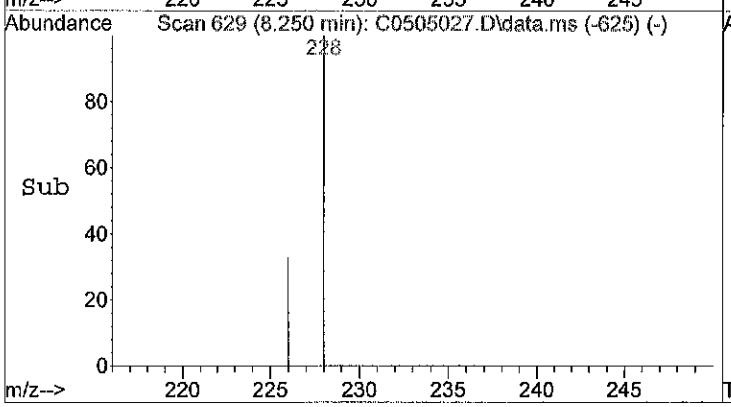


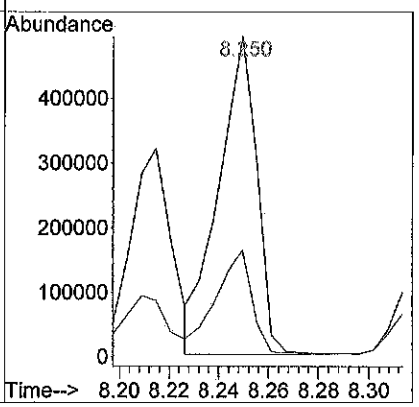


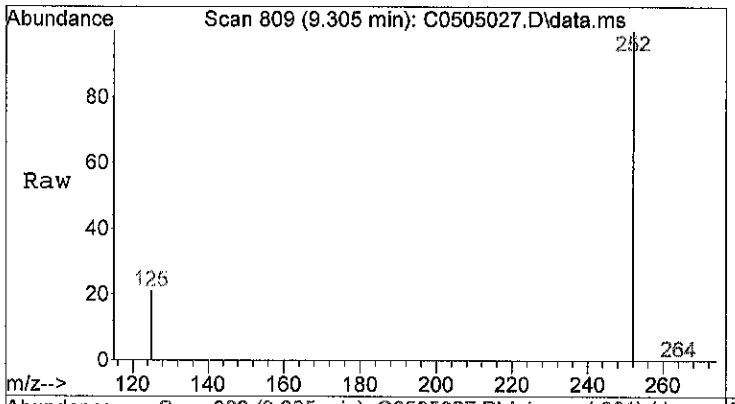
#19
Chrysene
Concen: 4136.45 ppb
RT: 8.250 min Scan# 629
Delta R.T. 0.308 min
Lab File: C0505027.D
Acq: 5 May 23 11:27 pm

Tgt Ion:228 Resp: 524084

Ion	Ratio	Lower	Upper
228	100		
226	30.8	8.7	48.7



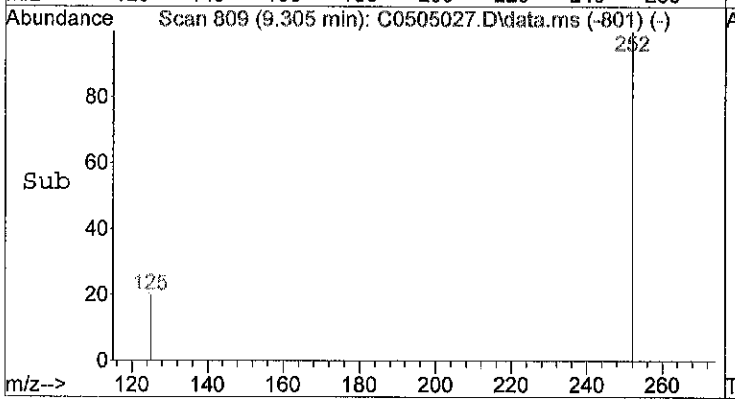


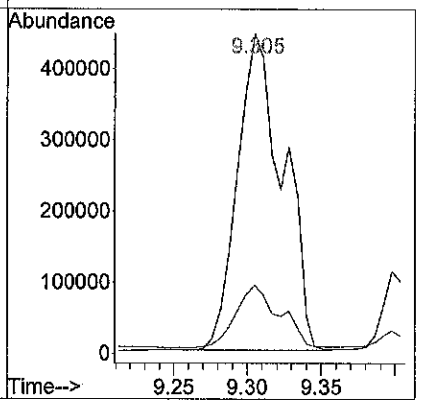


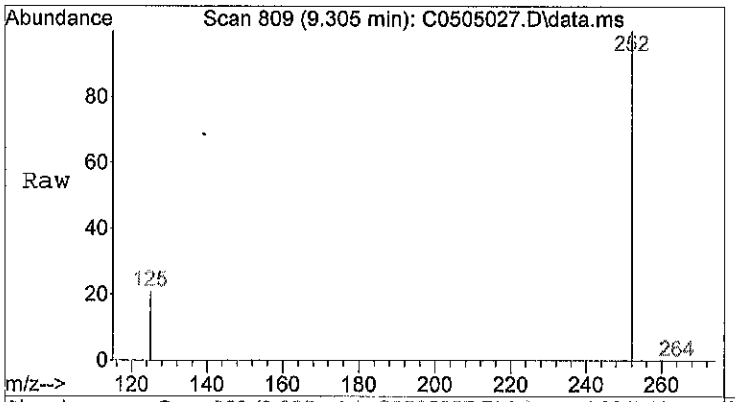
#21
Benzo[b]fluoranthene
Concen: 7014.72 ppb
RT: 9.305 min Scan# 809
Delta R.T. 0.361 min
Lab File: C0505027.D
Acq: 5 May 23 11:27 pm

Tgt Ion:252 Resp: 955284

Ion	Ratio	Lower	Upper
252	100		
125	18.8	0.0	31.5



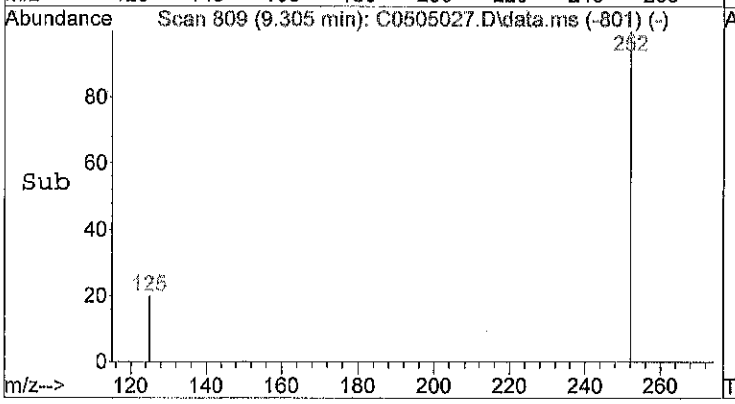


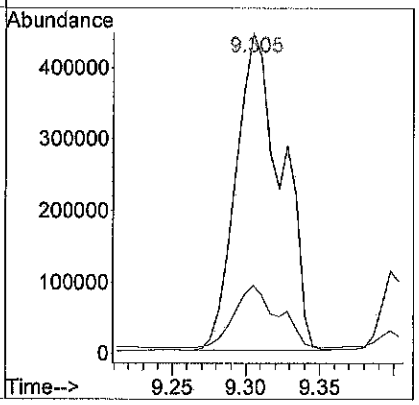


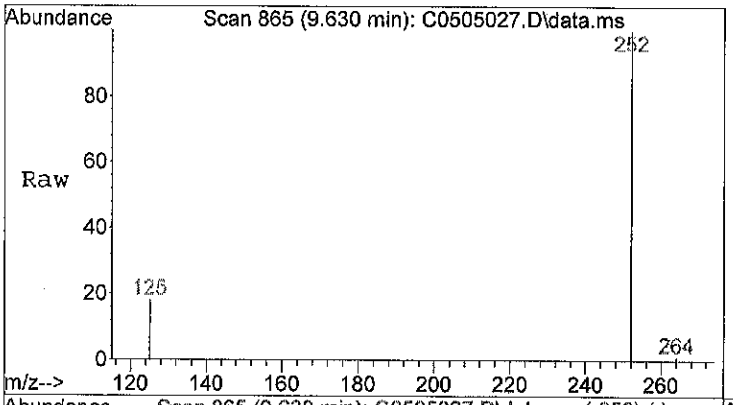
#22
Benzo(j,k)fluoranthene
Concen: 7624.33 ppb
RT: 9.305 min Scan# 809
Delta R.T. 0.332 min
Lab File: C0505027.D
Acq: 5 May 23 11:27 pm

Tgt Ion:252 Resp: 955284

Ion	Ratio	Lower	Upper
252	100		
125	18.8	0.0	31.2



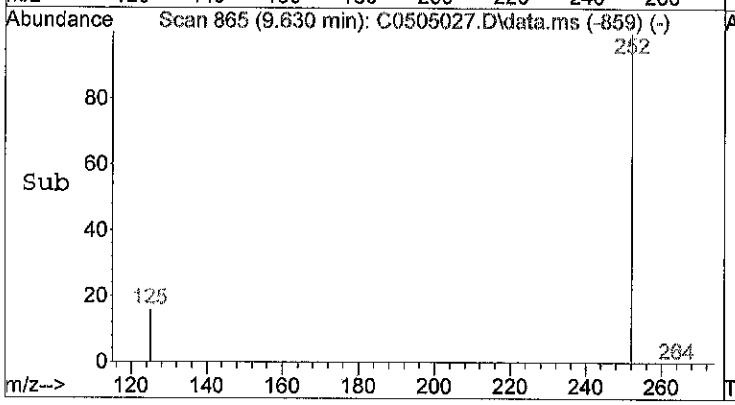


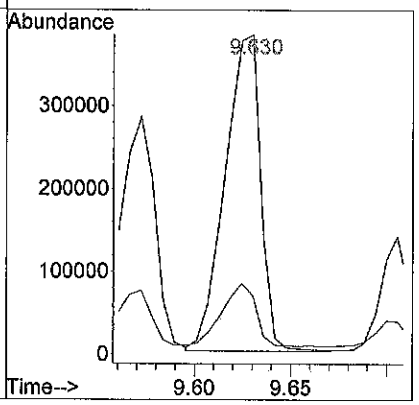


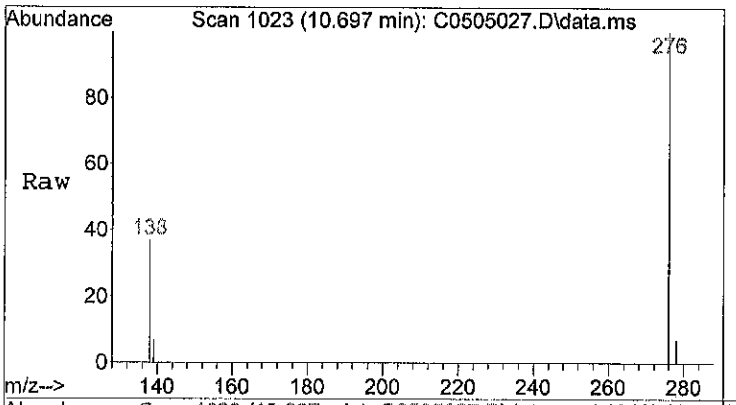
#23
Benzo[a]pyrene
Concen: 4207.62 ppb
RT: 9.630 min Scan# 865
Delta R.T. 0.378 min
Lab File: C0505027.D
Acq: 5 May 23 11:27 pm

Tgt Ion:252 Resp: 491500

Ion	Ratio	Lower	Upper
252	100		
125	18.5	0.0	32.5



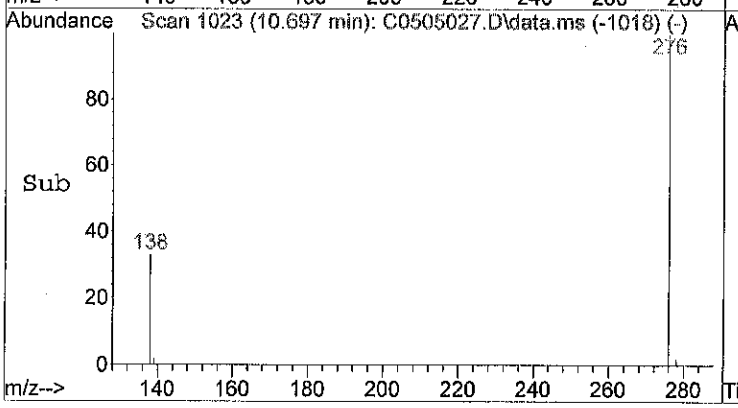


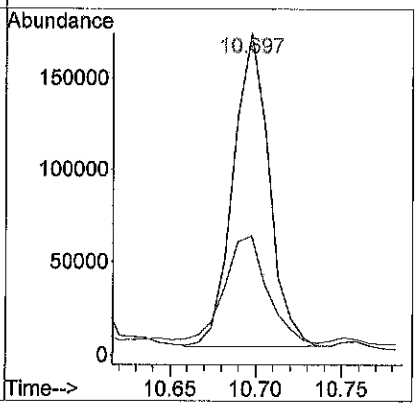


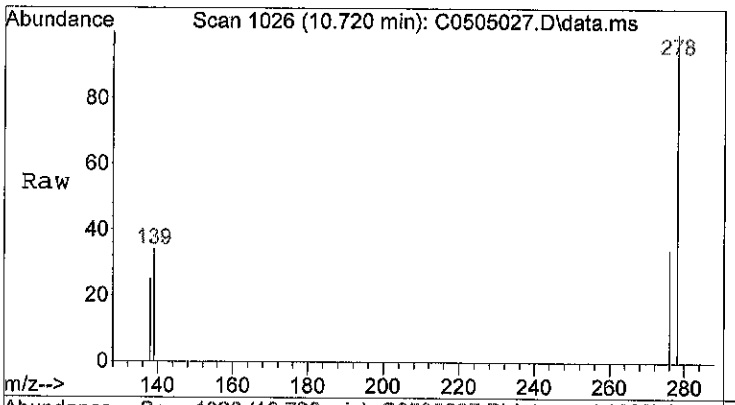
#24
Indeno(1,2,3-c,d)pyrene
Concen: 1948.30 ppb
RT: 10.697 min Scan# 1023
Delta R.T. 0.402 min
Lab File: C0505027.D
Acq: 5 May 23 11:27 pm

Tgt Ion:276 Resp: 244723

Ion	Ratio	Lower	Upper
276	100		
138	42.2	2.5	42.5



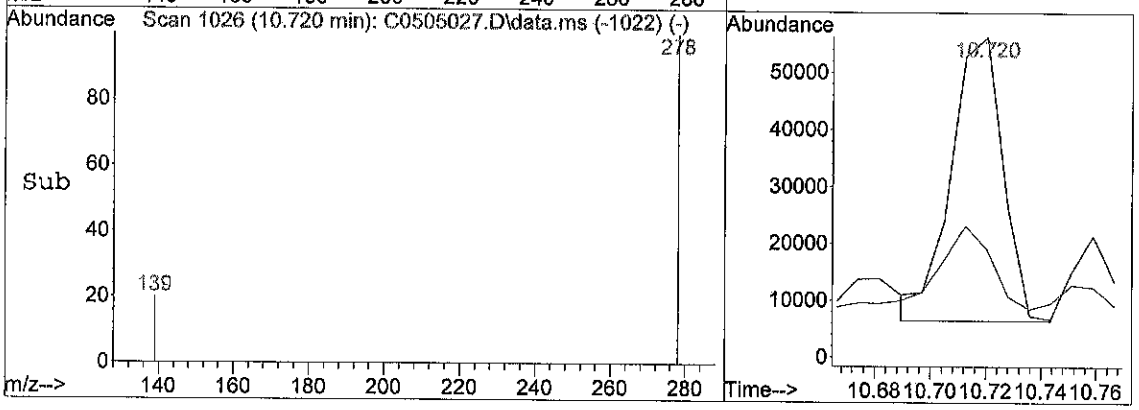


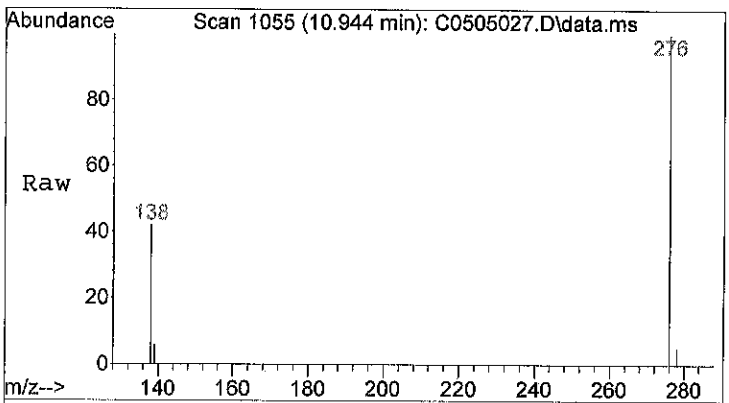


#25
Dibenz[a,h]anthracene
Concen: 531.08 ppb m
RT: 10.720 min Scan# 1026
Delta R.T. 0.394 min
Lab File: C0505027.D
Acq: 5 May 23 11:27 pm

Tgt Ion:278 Resp: 64551

Ion	Ratio	Lower	Upper
278	100		
139	47.4	0.0	39.1#

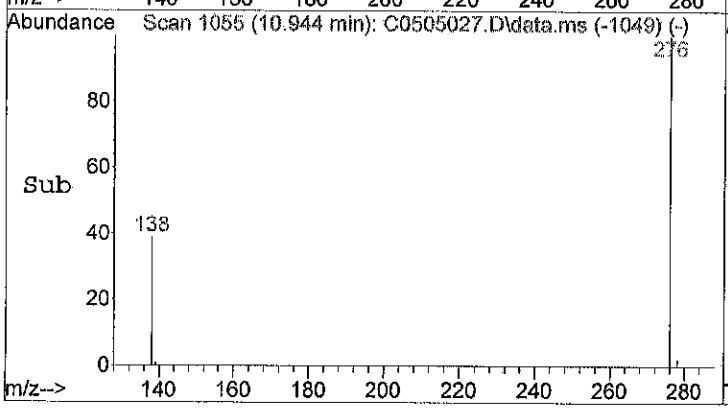


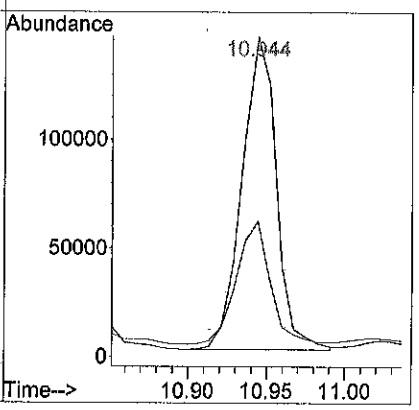


#26
Benzo[g,h,i]perylene
Concen: 1693.02 ppb
RT: 10.944 min Scan# 1055
Delta R.T. 0.425 min
Lab File: C0505027.D
Acq: 5 May 23 11:27 pm

Tgt Ion:276 Resp: 219441

Ion	Ratio	Lower	Upper
276	100		
138	39.6	4.1	44.1





Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230505\R0505016.D Vial: 16
Acq On : 5 May 2023 9:06 pm Operator: JP
Sample : 04-330-04 10X Inst : Ralph
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 8 14:49 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230410

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.21	152	959743	25.00	ug/mL	-0.14
20) Naphthalene-d8	7.83	136	3530374	25.00	ug/mL	-0.14
35) Acenaphthene-d10	10.04	164	1770757	25.00	ug/mL	-0.15
61) Phenanthrene-d10	11.93	188	2647413	25.00	ug/mL	-0.15
75) Chrysene-d12	16.48	240	2077733	25.00	ug/mL	-0.22
86) Perylene-d12	19.50	264	2211018	25.00	ug/mL	-0.28
System Monitoring Compounds						
4) 2-Fluorophenol	4.68	112	133249	2.35	ug/mL	-0.05
Spiked Amount 40.000	Range 21 - 110		Recovery =	5.88%#		
5) Phenol-d6	5.83	99	197251	2.79	ug/mL	-0.02
Spiked Amount 40.000	Range 10 - 110		Recovery =	6.98%#		
21) Nitrobenzene-d5	6.89	82	116180	2.10	ug/mL	-0.14
Spiked Amount 40.000	Range 35 - 114		Recovery =	5.25%#		
40) 2-Fluorobiphenyl	9.17	172	171712	1.98	ug/mL	-0.14
Spiked Amount 40.000	Range 43 - 116		Recovery =	4.95%#		
65) 2,4,6-Tribromophenol	11.04	330	29807	2.38	ug/mL	-0.13
Spiked Amount 40.000	Range 10 - 123		Recovery =	5.95%#		
78) Terphenyl-d14	14.40	244	188652	2.26	ug/mL	-0.19
Spiked Amount 40.000	Range 33 - 141		Recovery =	5.65%#		
Target Compounds						Qvalue
51) Acenaphthene	10.08	154	117464	1.53	ug/mL	91
54) Dibenzofuran	10.29	168	122424	1.11	ug/mL	98
60) Fluorene	10.72	166	181701	2.10	ug/mL	95
62) 4,6-Dinitro-2-methylphenol	10.77	198	281	1.08	ug/mL#	1
68) Pentachlorophenol	11.69	266	12440	1.77	ug/mL	90
70) Phenanthrene	11.96	178	1393491	11.02	ug/mL	98
71) Anthracene	12.02	178	475670	3.74	ug/mL	97
74) Fluoranthene	13.77	202	2792830	24.13	ug/mL	92
77) Pyrene	14.16	202	2272361	18.89	ug/mL	89
82) Benzo[a]anthracene	16.46	228	784139	7.38	ug/mL	94
83) Chrysene	16.53	228	851427	8.54	ug/mL	95
84) bis(2-Ethylhexyl)phthalate	16.50	149	101374	1.13	ug/mL	96
87) Benzo[b]fluoranthene	18.65	252	810269	7.88	ug/mL	80
88) Benzo(j,k)fluoranthene	18.70	252	269736m	2.70	ug/mL	
89) Benzo[a]pyrene	19.36	252	507349	5.74	ug/mL	90
90) Indeno[1,2,3-cd]pyrene	22.38	276	211706	2.35	ug/mL#	57
92) Benzo[g,h,i]perylene	23.26	276	186321	2.16	ug/mL	82

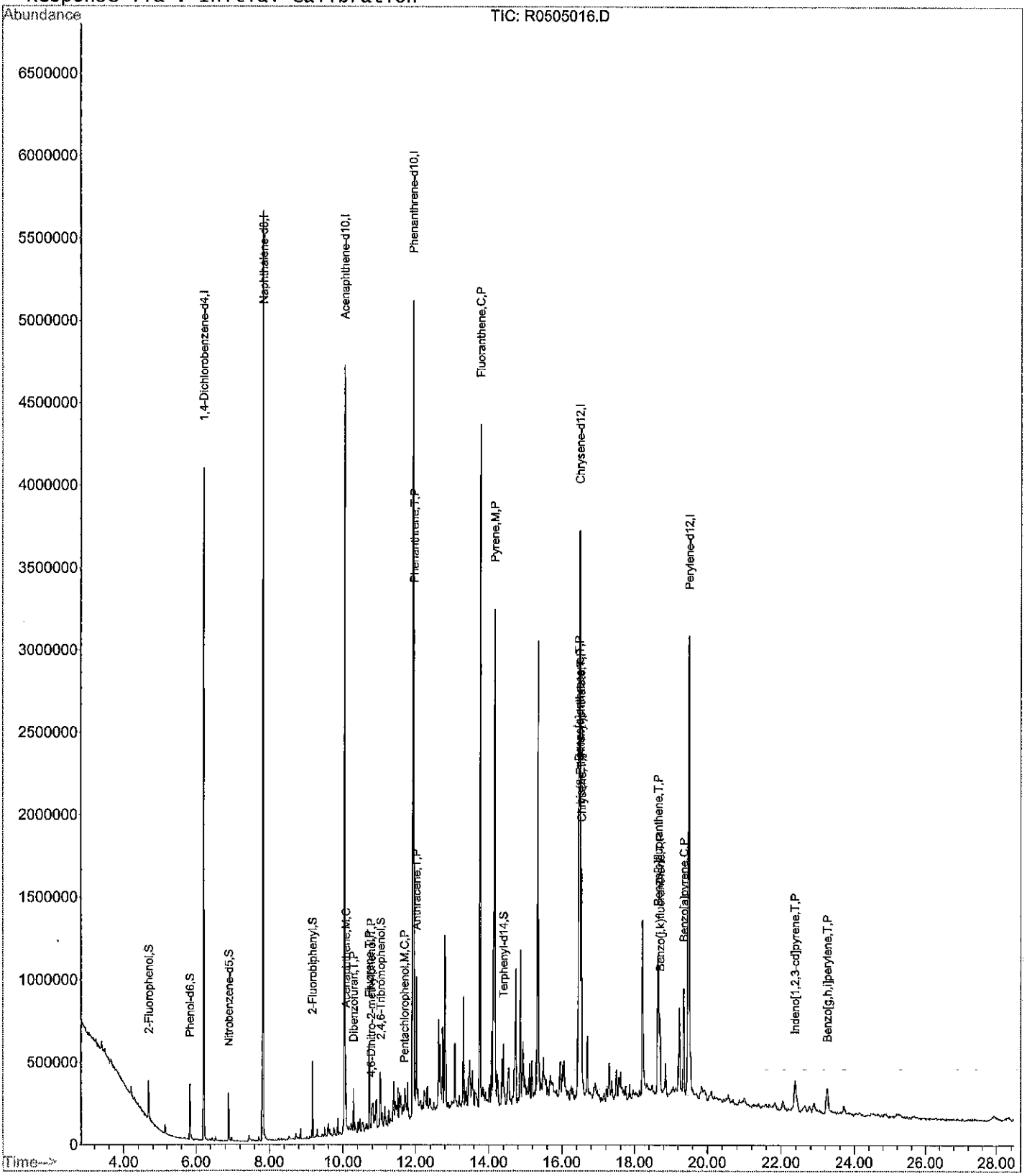
VP 6/2/23

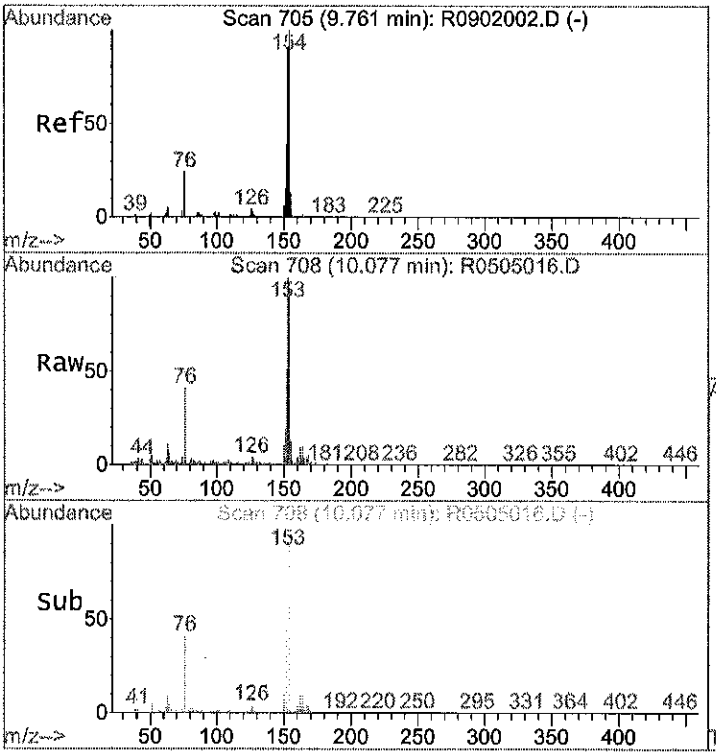
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230505\R0505016.D Vial: 16
Acq On : 5 May 2023 9:06 pm Operator: JP
Sample : 04-330-04 10X Inst : Ralph
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 8 14:49 2023 Quant Results File: SV230410.RES

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Thu May 11 08:45:53 2023
Response via : Initial Calibration

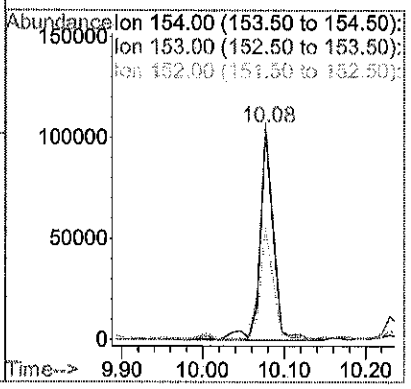


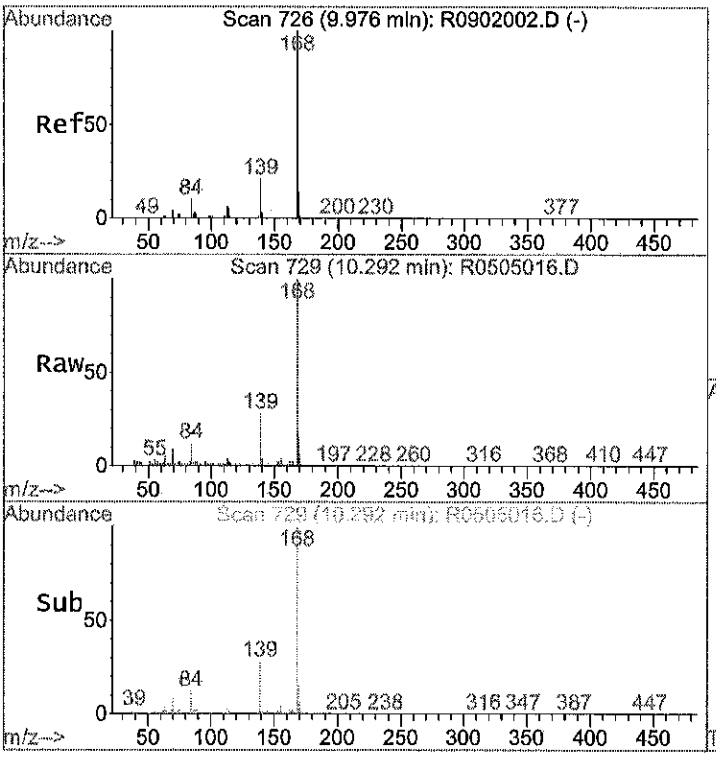


#51
Acenaphthene
Concen: 1.53 ug/mL
RT: 10.08 min Scan# 708
Delta R.T. -0.15 min
Lab File: R0505016.D
Acq: 5 May 2023 9:06 pm

Tgt Ion:154 Resp: 117464

Ion	Ratio	Lower	Upper
154	100		
153	102.4	75.6	115.6
152	52.1	23.3	63.3

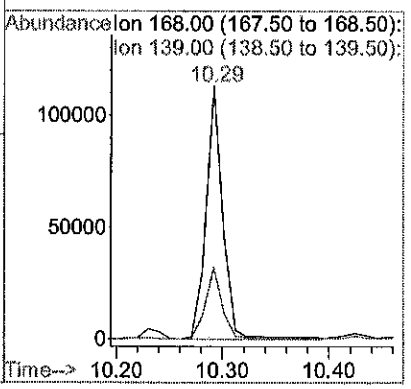


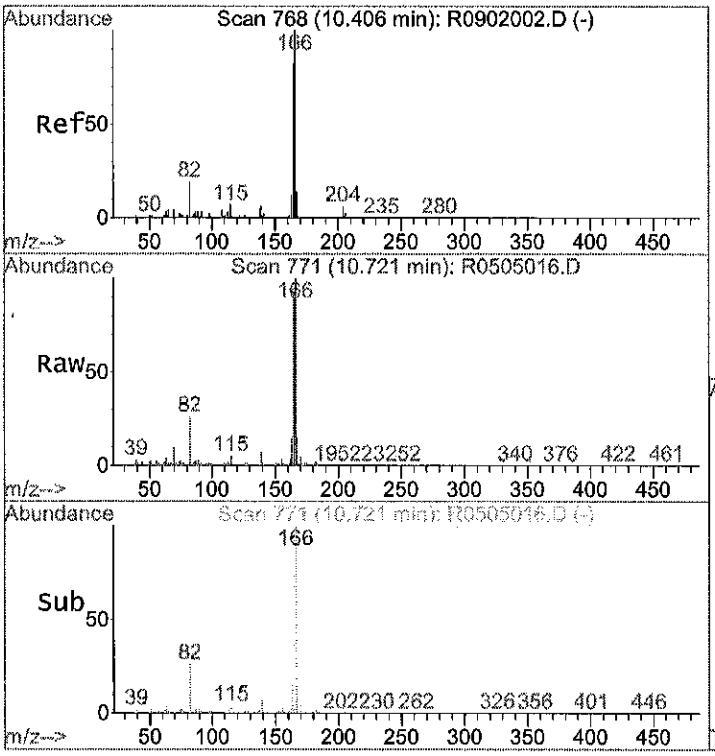


#54
Dibenzofuran
Concen: 1.11 ug/mL
RT: 10.29 min Scan# 729
Delta R.T. -0.14 min
Lab File: R0505016.D
Acq: 5 May 2023 9:06 pm

Tgt Ion:168 Resp: 122424

Ion	Ratio	Lower	Upper
168	100		
139	29.3	10.6	50.6

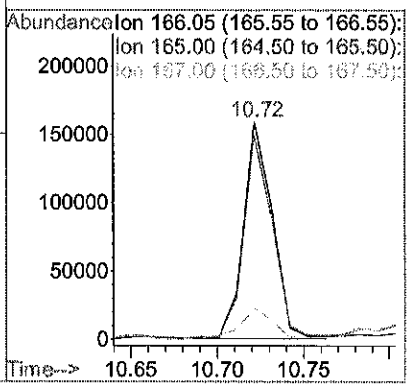


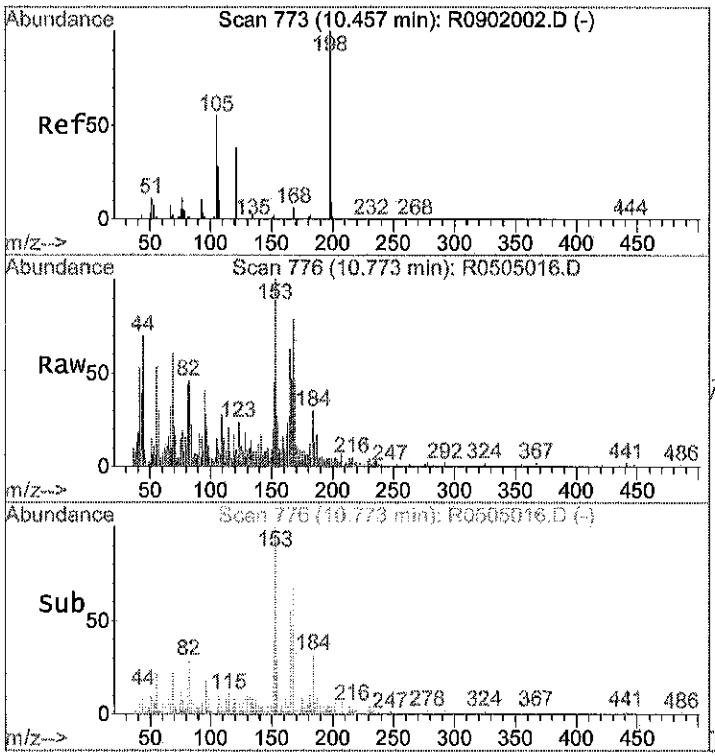


#60
Fluorene
Concen: 2.10 ug/mL
RT: 10.72 min Scan# 771
Delta R.T. -0.15 min
Lab File: R0505016.D
Acq: 5 May 2023 9:06 pm

Tgt Ion:166 Resp: 181701

Ion	Ratio	Lower	Upper
166	100		
165	93.5	68.5	108.5
167	16.0	0.0	33.5

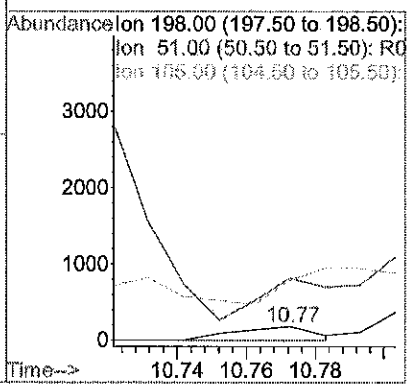


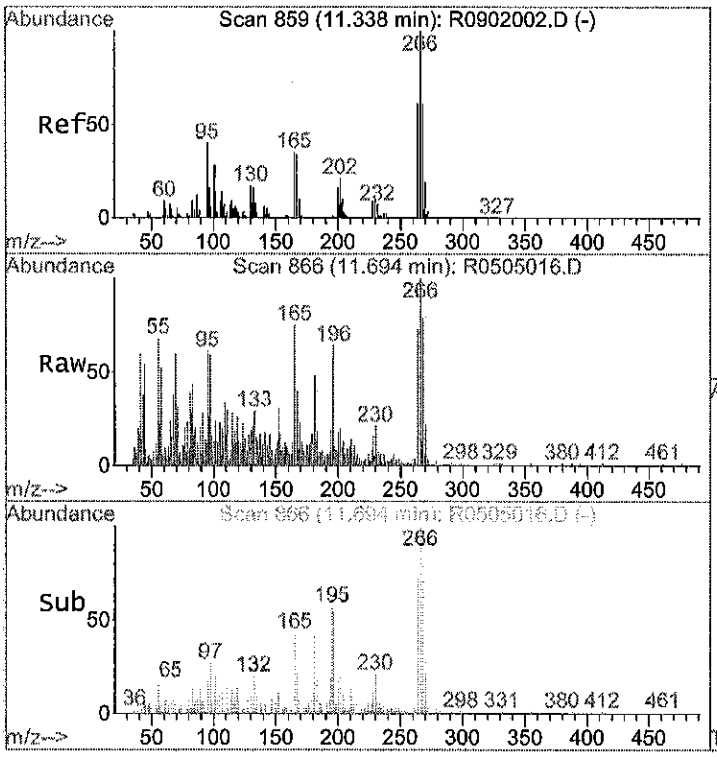


#62
4,6-Dinitro-2-methylphenol
Concen: 1.08 ug/mL
RT: 10.77 min Scan# 776
Delta R.T. -0.13 min
Lab File: R0505016.D
Acq: 5 May 2023 9:06 pm

Tgt Ion:198 Resp: 281

Ion	Ratio	Lower	Upper
198	100		
51	0.0	40.9	80.9#
105	418.9	15.7	55.7#

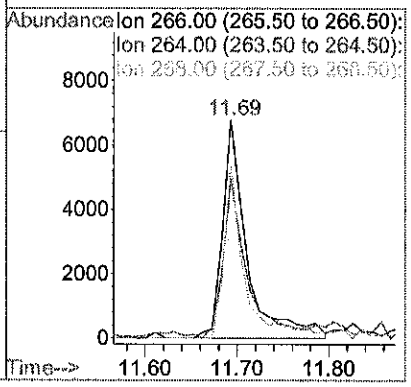


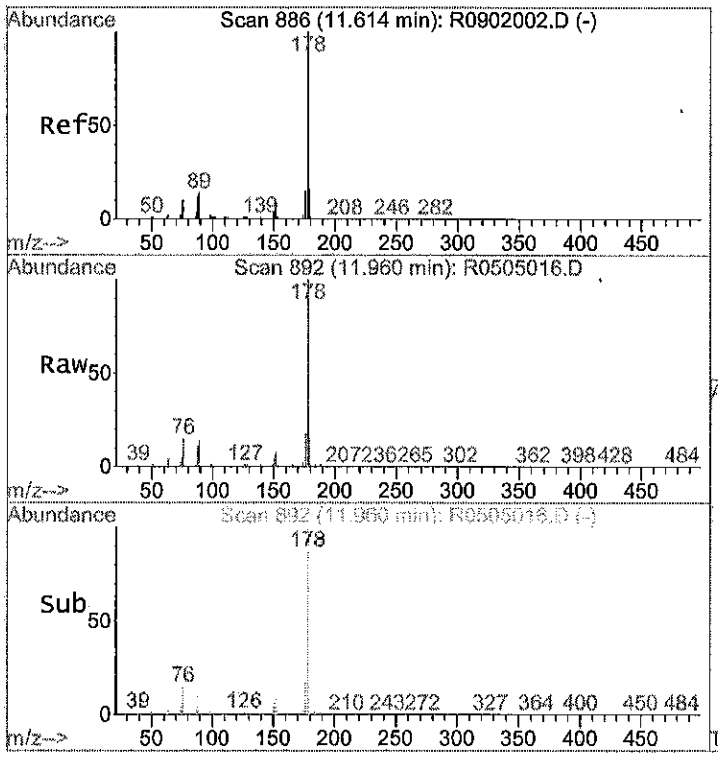


#68
Pentachlorophenol
Concen: 1.77 ug/mL
RT: 11.69 min Scan# 866
Delta R.T. -0.12 min
Lab File: R0505016.D
Acq: 5 May 2023 9:06 pm

Tgt Ion:266 Resp: 12440

Ion	Ratio	Lower	Upper
266	100		
264	72.3	42.8	82.8
268	70.1	44.0	84.0

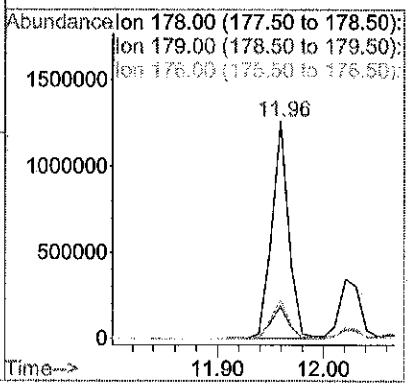


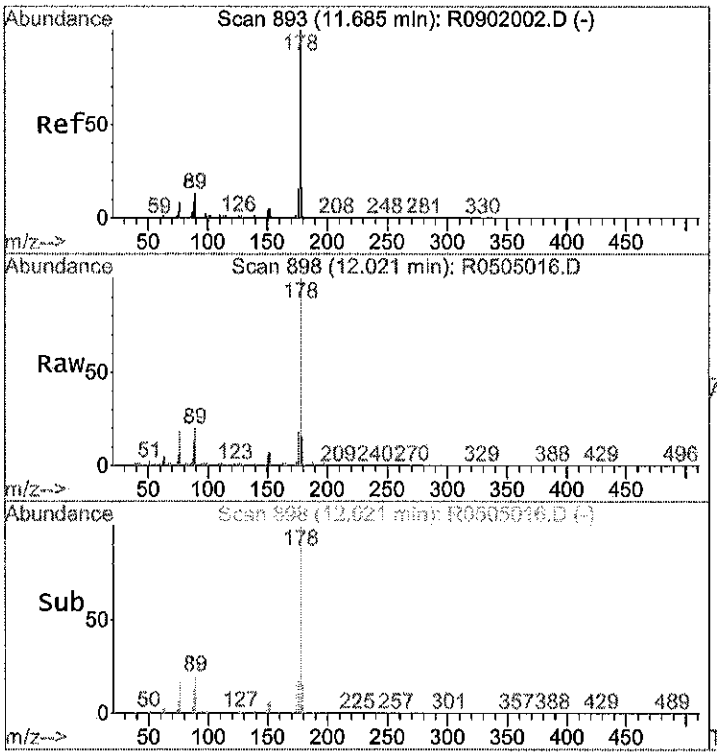


#70
Phenanthrene
Concen: 11.02 ug/mL
RT: 11.96 min Scan# 892
Delta R.T. -0.15 min
Lab File: R0505016.D
Acq: 5 May 2023 9:06 pm

Tgt Ion:178 Resp: 1393491

Ion	Ratio	Lower	Upper
178	100		
179	16.8	0.0	35.6
176	18.3	0.0	37.8

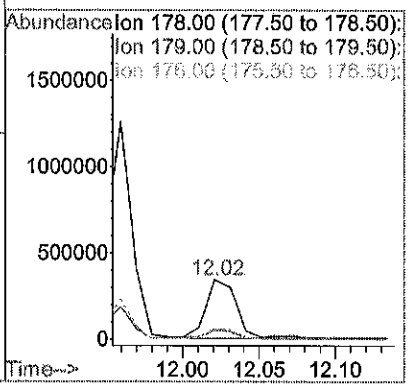


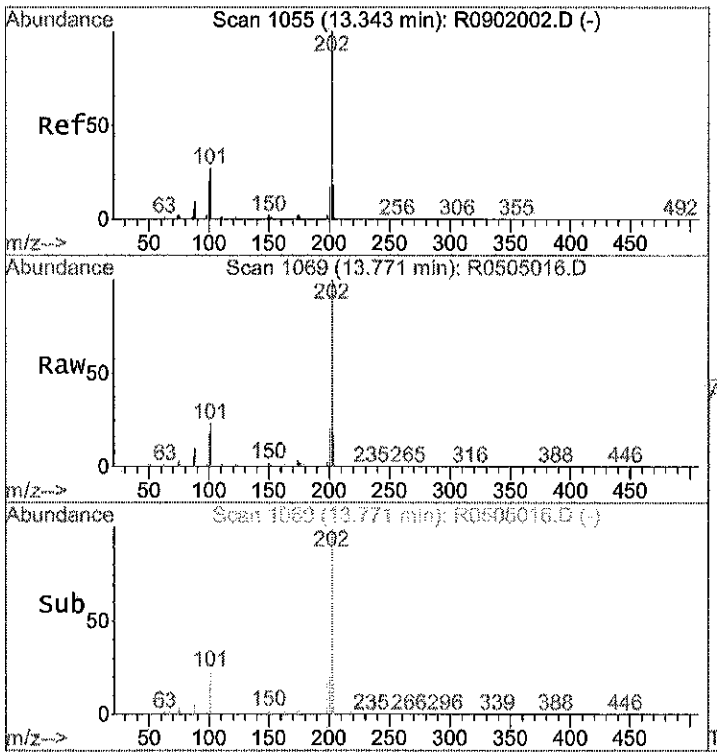


#71
Anthracene
Concen: 3.74 ug/mL
RT: 12.02 min Scan# 898
Delta R.T. -0.16 min
Lab File: R0505016.D
Acq: 5 May 2023 9:06 pm

Tgt Ion:178 Resp: 475670

Ion	Ratio	Lower	Upper
178	100		
179	16.4	0.0	35.4
176	18.4	0.0	36.9

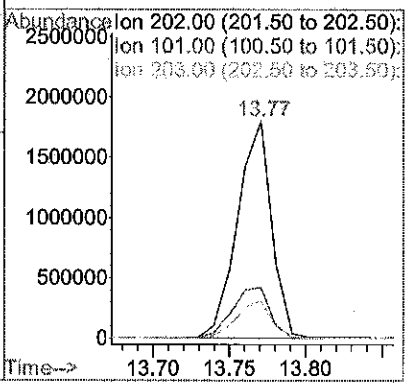


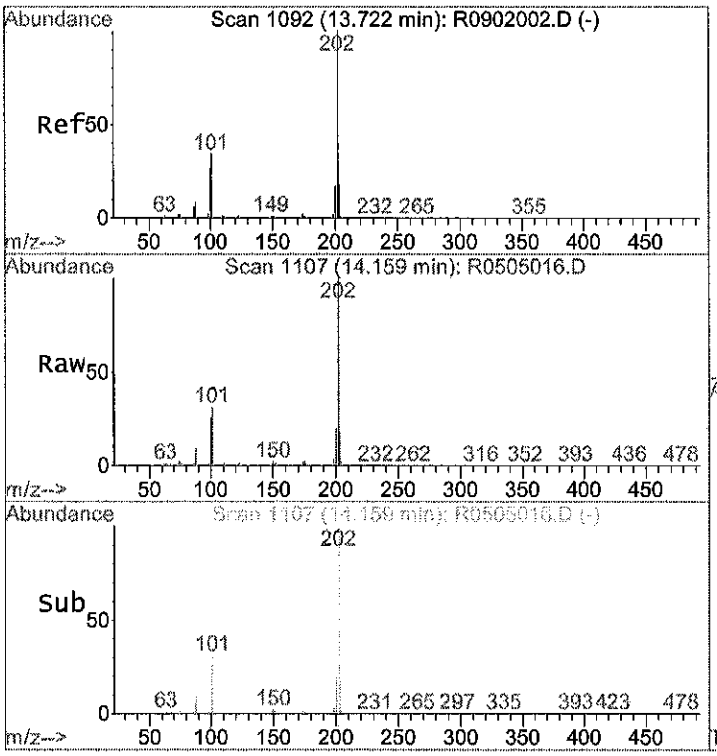


#74
Fluoranthene
Concen: 24.13 ug/mL
RT: 13.77 min Scan# 1069
Delta R.T. -0.18 min
Lab File: R0505016.D
Acq: 5 May 2023 9:06 pm

Tgt Ion:202 Resp: 2792830

Ion	Ratio	Lower	Upper
202	100		
101	25.8	0.0	38.8
203	17.2	0.0	37.4

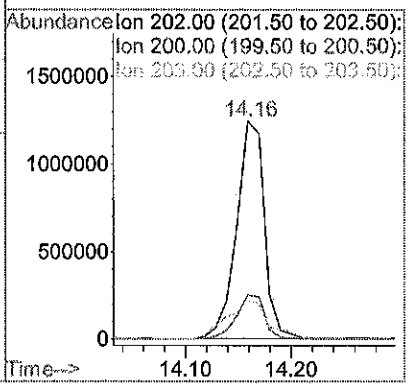


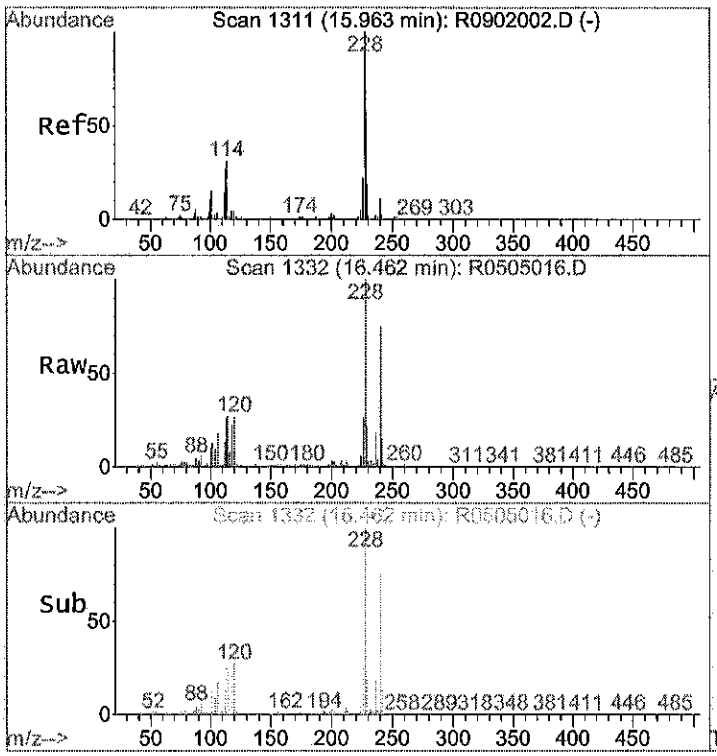


#77
Pyrene
Concen: 18.89 ug/mL
RT: 14.16 min Scan# 1107
Delta R.T. -0.19 min
Lab File: R0505016.D
Acq: 5 May 2023 9:06 pm

Tgt Ion:202 Resp: 2272361

Ion	Ratio	Lower	Upper
202	100		
200	20.8	0.0	39.3
203	26.1	0.0	38.0

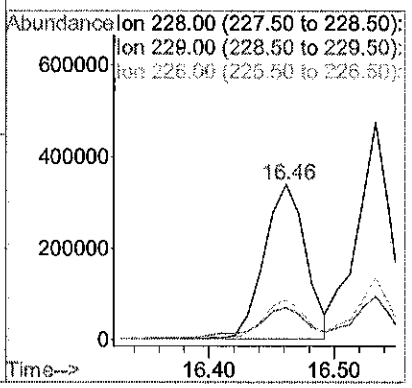


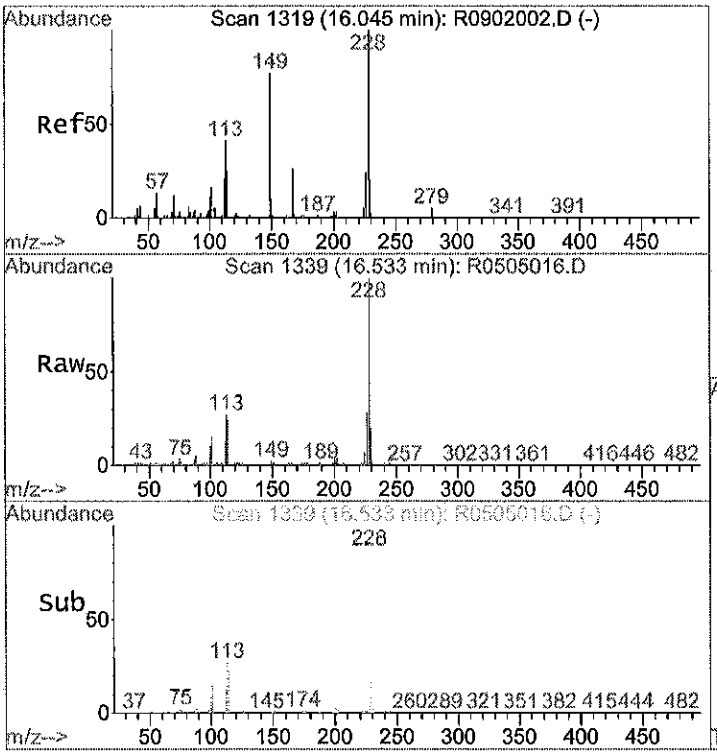


#82
Benzo[a]anthracene
Concen: 7.38 ug/mL
RT: 16.46 min Scan# 1332
Delta R.T. -0.21 min
Lab File: R0505016.D
Acq: 5 May 2023 9:06 pm

Tgt Ion:228 Resp: 784139

Ion	Ratio	Lower	Upper
228	100		
229	25.4	0.0	39.8
226	25.3	4.5	44.5

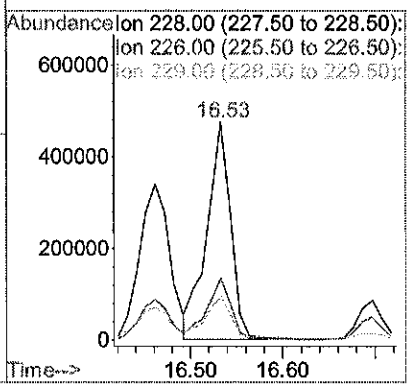


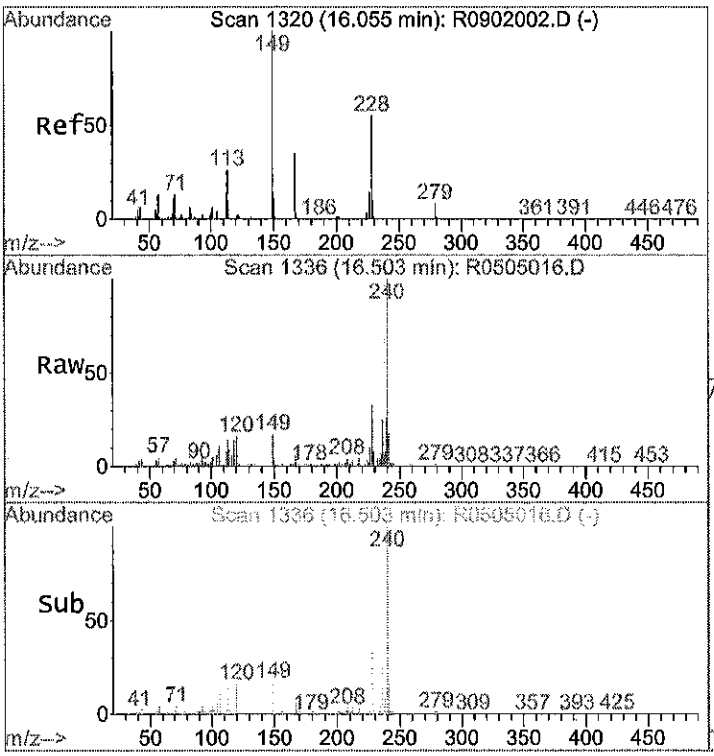


#83
Chrysene
Concen: 8.54 ug/mL
RT: 16.53 min Scan# 1339
Delta R.T. -0.22 min
Lab File: R0505016.D
Acq: 5 May 2023 9:06 pm

Tgt Ion:228 Resp: 851427

Ion	Ratio	Lower	Upper
228	100		
226	28.7	7.2	47.2
229	23.1	0.0	39.9

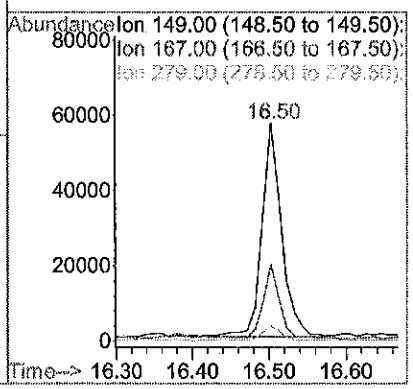


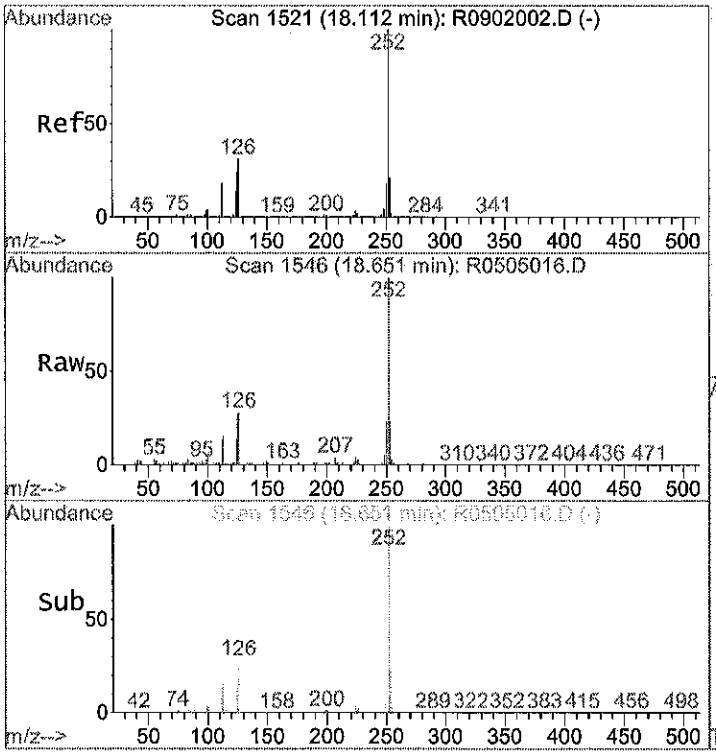


#84
bis(2-Ethylhexyl)phthalate
Concen: 1.13 ug/mL
RT: 16.50 min Scan# 1336
Delta R.T. -0.20 min
Lab File: R0505016.D
Acq: 5 May 2023 9:06 pm

Tgt Ion:149 Resp: 101374

Ion	Ratio	Lower	Upper
149	100		
167	30.1	12.2	52.2
279	6.3	0.0	28.1

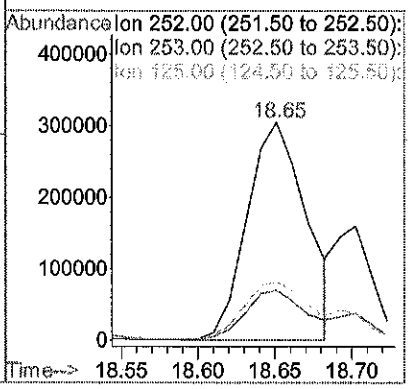


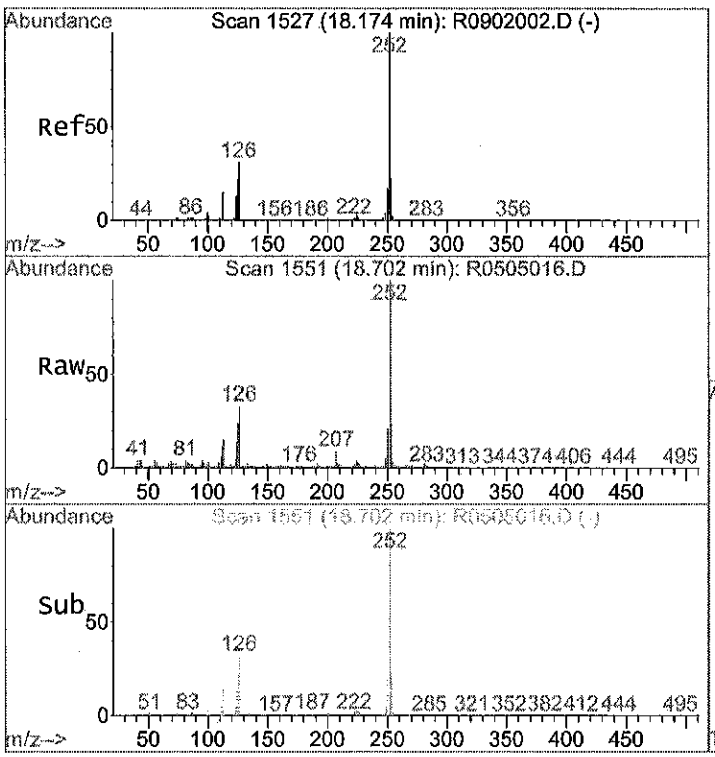


#87
Benzo[b]fluoranthene
Concen: 7.88 ug/mL
RT: 18.65 min Scan# 1546
Delta R.T. -0.24 min
Lab File: R0505016.D
Acq: 5 May 2023 9:06 pm

Tgt Ion:252 Resp: 810269

Ion	Ratio	Lower	Upper
252	100		
253	22.9	2.2	42.2
125	35.8	0.0	36.9

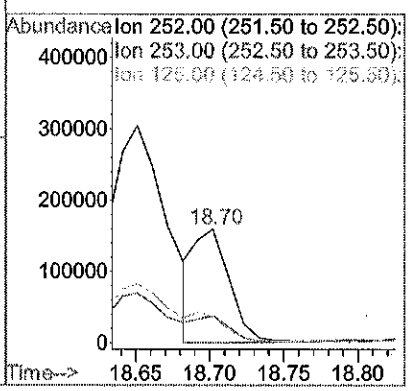


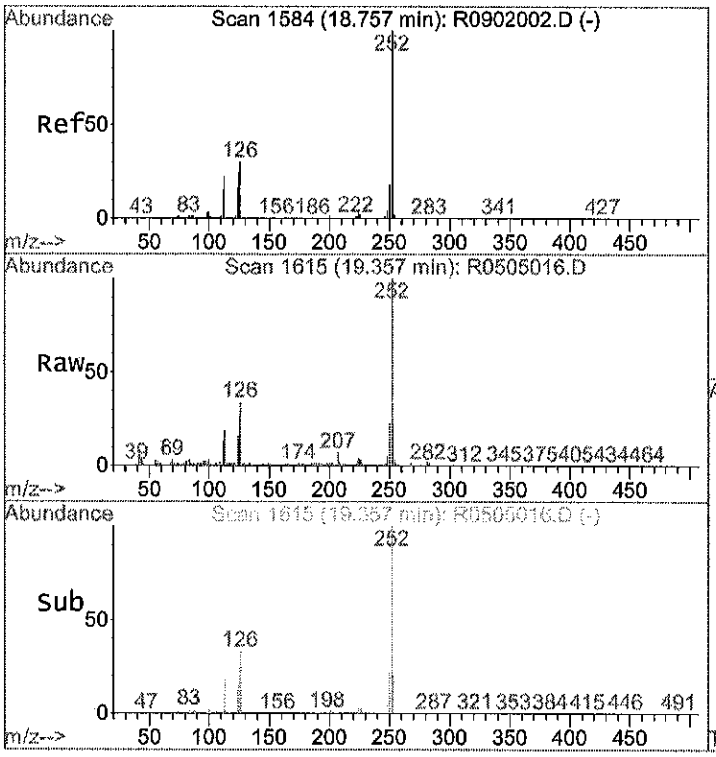


#88
Benzo(j,k)fluoranthene
Concen: 2.70 ug/mL m
RT: 18.70 min Scan# 1551
Delta R.T. -0.25 min
Lab File: R0505016.D
Acq: 5 May 2023 9:06 pm

Tgt Ion:252 Resp: 269736

Ion	Ratio	Lower	Upper
252	100		
253	68.9	2.1	42.1#
125	107.6	0.0	36.9#

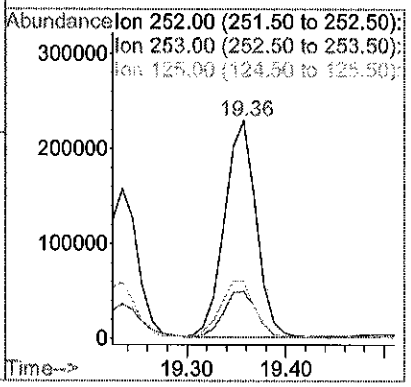


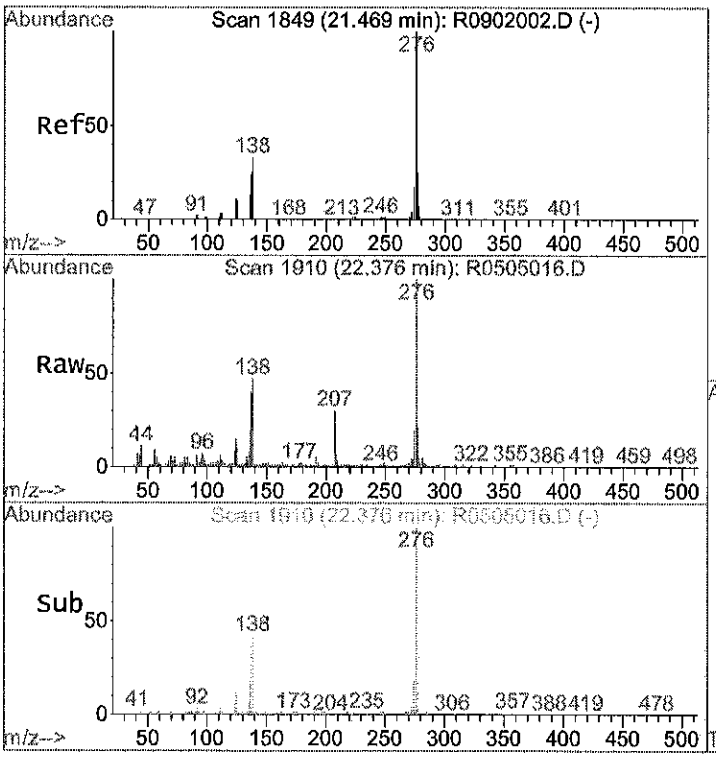


#89
Benzo[a]pyrene
Concen: 5.74 ug/mL
RT: 19.36 min Scan# 1615
Delta R.T. -0.28 min
Lab File: R0505016.D
Acq: 5 May 2023 9:06 pm

Tgt Ion:252 Resp: 507349

Ion	Ratio	Lower	Upper
252	100		
253	22.8	1.9	41.9
125	27.4	0.0	38.4

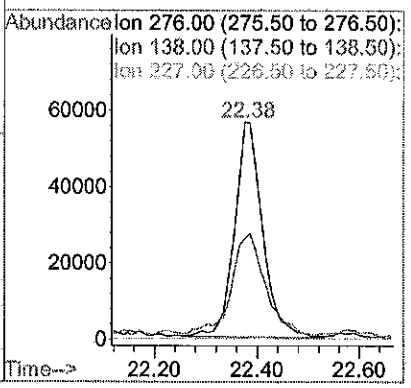


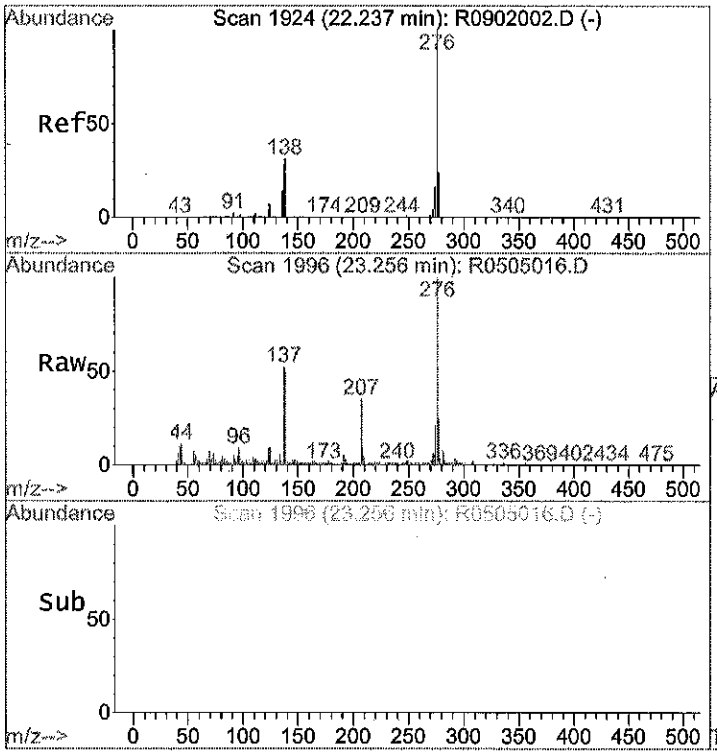


#90
Indeno[1,2,3-cd]pyrene
Concen: 2.35 ug/mL
RT: 22.38 min Scan# 1910
Delta R.T. -0.46 min
Lab File: R0505016.D
Acq: 5 May 2023 9:06 pm

Tgt Ion:276 Resp: 211706

Ion	Ratio	Lower	Upper
276	100		
138	57.0	12.7	52.7#
227	0.5	0.0	20.1

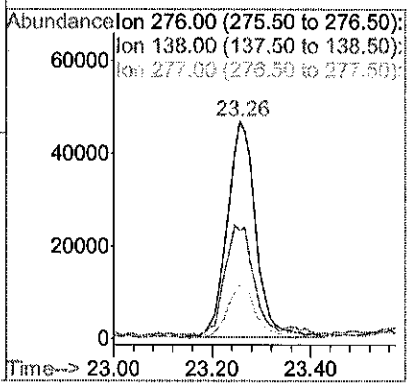




#92
Benzo[g,h,i]perylene
Concen: 2.16 ug/mL
RT: 23.26 min Scan# 1996
Delta R.T. -0.52 min
Lab File: R0505016.D
Acq: 5 May 2023 9:06 pm

Tgt Ion:276 Resp: 186321

Ion	Ratio	Lower	Upper
276	100		
138	51.5	14.8	54.8
277	25.0	3.7	43.7



Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230510\
Data File : J0510002.D
Acq On : 10 May 2023 9:21 am
Operator : JP
Sample : 04-330-04 10X
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 09:52:13 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4		6.142	152	277082	25.00	ug/mL	0.00
20) Naphthalene-d8		7.764	136	1165551	25.00	ug/mL	0.00
36) Acenaphthene-d10		9.991	164	723449	25.00	ug/mL	0.00
62) Phenanthrene-d10		11.889	188	1193815	25.00	ug/mL	0.00
76) Chrysene-d12		16.471	240	1084003	25.00	ug/mL	0.00
87) Perylene-d12		19.503	264	1112821	25.00	ug/mL	0.00
System Monitoring Compounds							
4) 2-Fluorophenol		4.550	112	36185	2.28	ug/mL	-0.01
Spiked Amount	40.000	Range 21 - 110		Recovery =	5.70%#		
5) Phenol-d6		5.672	99	51757	2.60	ug/mL	-0.01
Spiked Amount	40.000	Range 10 - 110		Recovery =	6.50%#		
21) Nitrobenzene-d5		6.836	82	42675	2.17	ug/mL	-0.01
Spiked Amount	40.000	Range 35 - 114		Recovery =	5.42%#		
41) 2-Fluorobiphenyl		9.109	172	69014	1.86	ug/mL	-0.01
Spiked Amount	40.000	Range 43 - 116		Recovery =	4.65%#		
66) 2,4,6-Tribromophenol		10.984	330	11224	2.44	ug/mL	0.00
Spiked Amount	40.000	Range 10 - 123		Recovery =	6.10%#		
79) Terphenyl-d14		14.374	244	92790	2.14	ug/mL	-0.01
Spiked Amount	40.000	Range 33 - 141		Recovery =	5.35%#		
Target Compounds							Qvalue
71) Phenanthrene		11.918	178	576106	10.86	ug/mL	98
75) Fluoranthene		13.739	202	1495075	25.56	ug/mL	85
78) Pyrene		14.139	202	1170284	19.65	ug/mL	89
83) Benzo[a]anthracene		16.442	228	409636	7.32	ug/mL	94
84) Chrysene		16.518	228	435119	8.79	ug/mL	97
88) Benzo[b]fluoranthene		18.640	252	400122	7.26	ug/mL	90
89) Benzo(j,k)fluoranthene		18.640	252	400122	7.70	ug/mL	90
90) Benzo[a]pyrene		19.356	252	262529	5.63	ug/mL	88

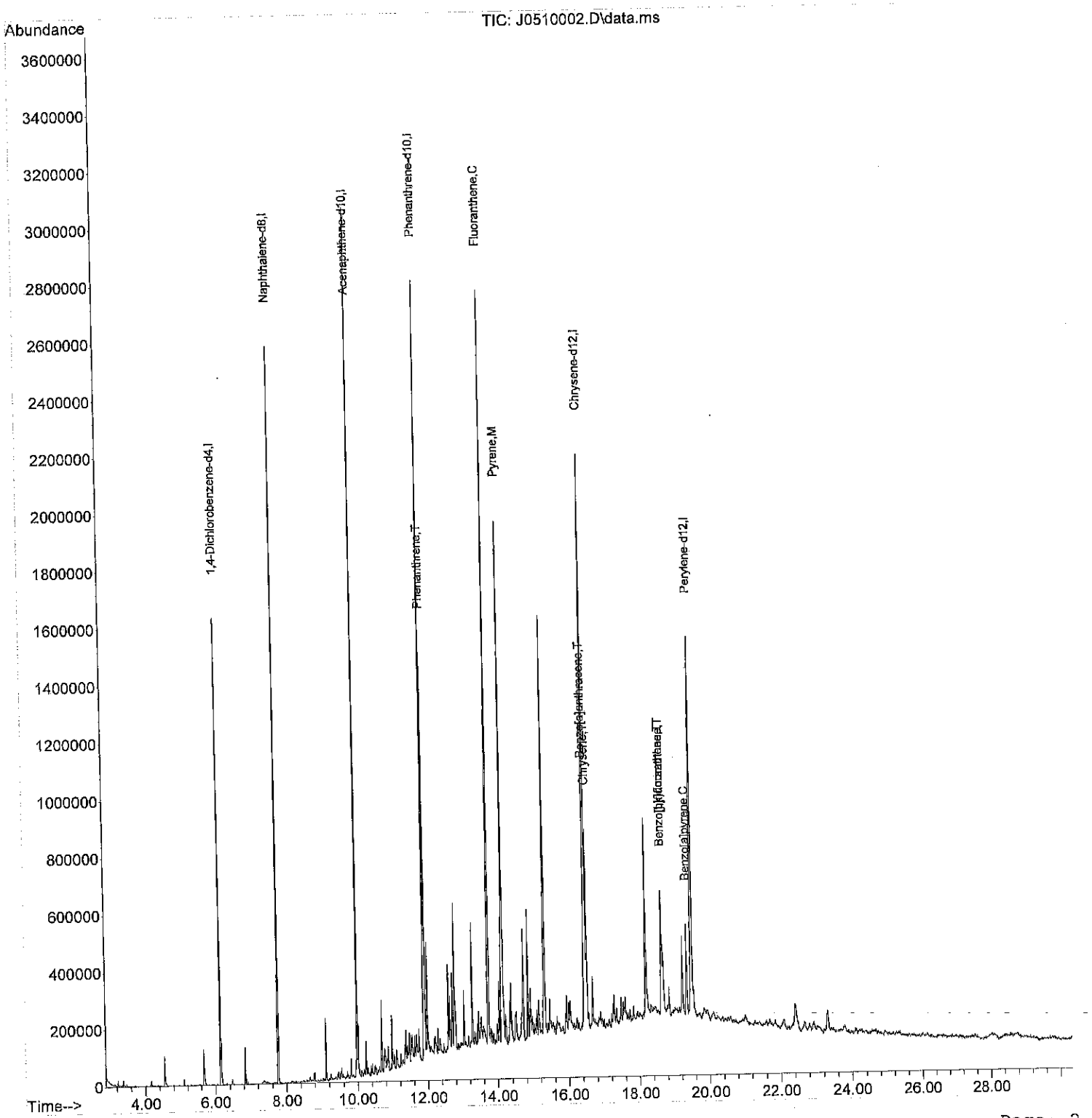
(#) = qualifier out of range (m) = manual integration (+) = signals summed

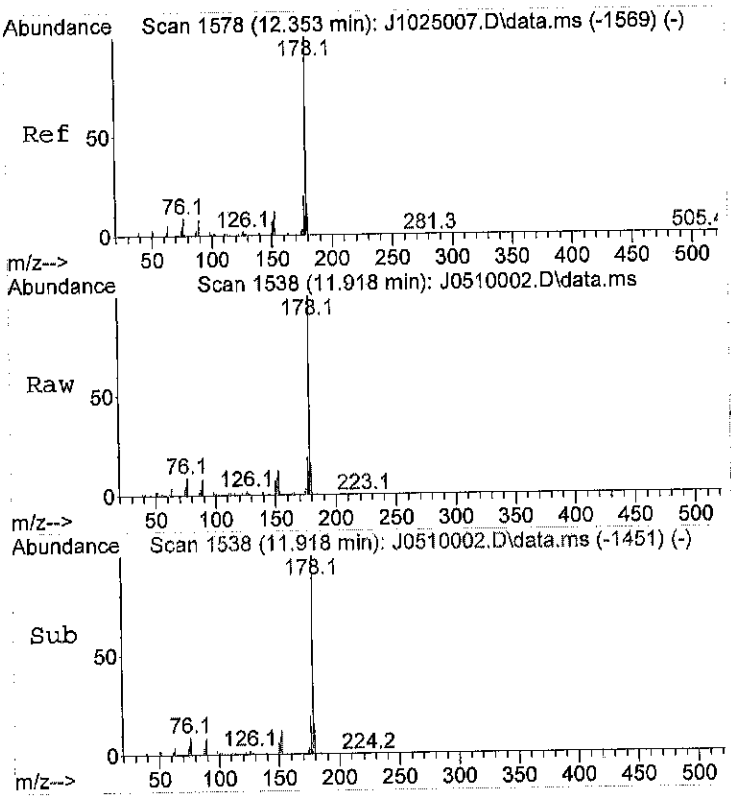
JP 6/2/23

Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230510\
Data File : J0510002.D
Acq On : 10 May 2023 9:21 am
Operator : JP
Sample : 04-330-04 10X
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 09:52:13 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration

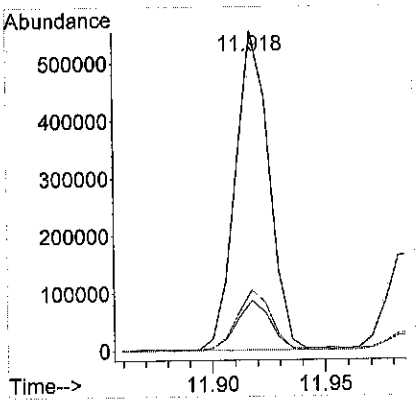


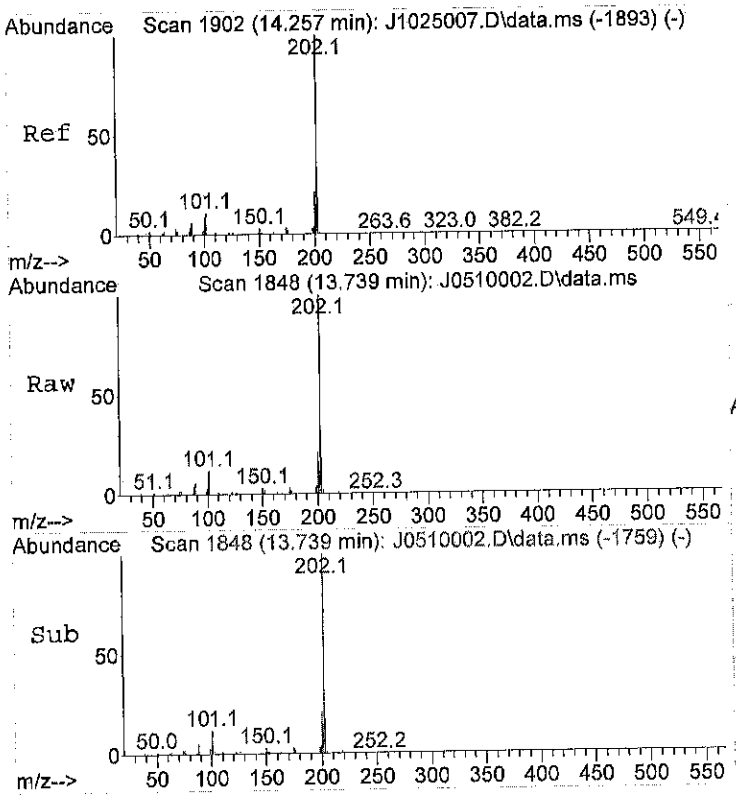


#71
Phenanthrene
Concen: 10.86 ug/mL
RT: 11.918 min Scan# 1538
Delta R.T. -0.006 min
Lab File: J0510002.D
Acq: 10 May 2023 9:21 am

Tgt Ion:178 Resp: 576106

Ion	Ratio	Lower	Upper
178	100		
179	15.7	0.0	35.6
176	19.3	0.0	38.1

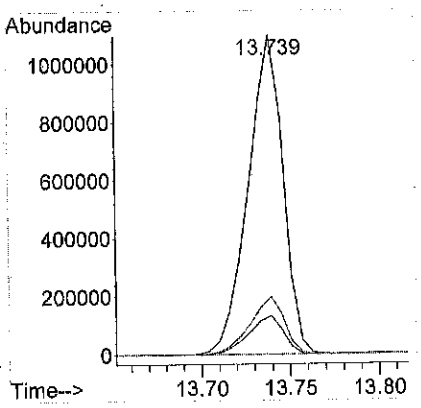


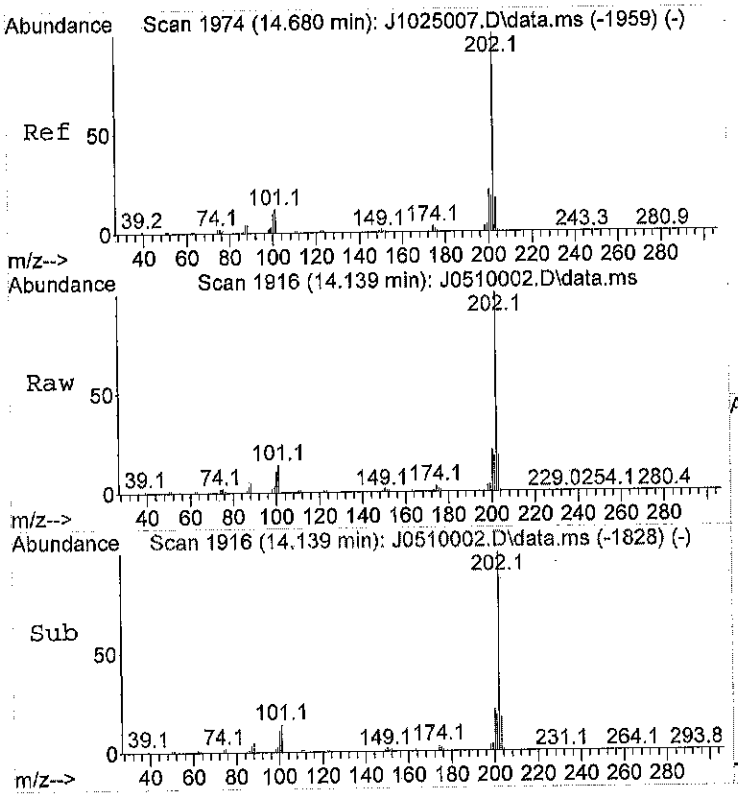


#75
Fluoranthene
Concen: 25.56 ug/mL
RT: 13.739 min Scan# 1848
Delta R.T. 0.006 min
Lab File: J0510002.D
Acq: 10 May 2023 9:21 am

Tgt Ion:202 Resp: 1495075

Ion	Ratio	Lower	Upper
202	100		
101	12.2	4.2	44.2
203	17.9	0.0	37.2

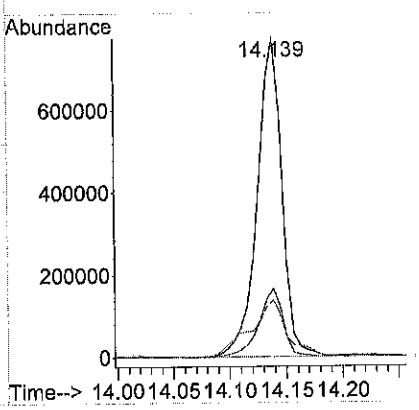


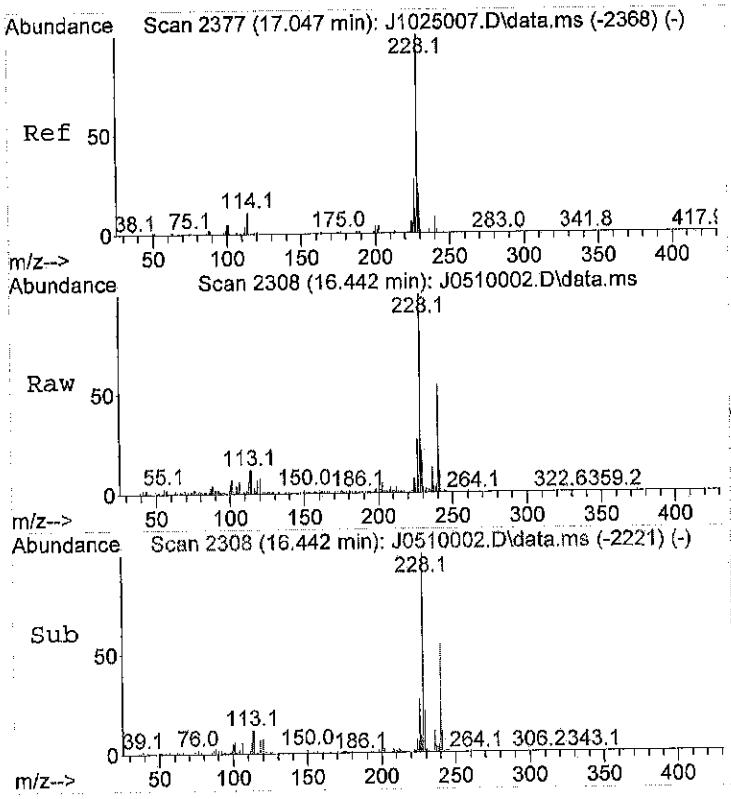


#78
Pyrene
Concen: 19.65 ug/mL
RT: 14.139 min Scan# 1916
Delta R.T. 0.000 min
Lab File: J0510002.D
Acq: 10 May 2023 9:21 am

Tgt Ion:202 Resp: 1170284

Ion	Ratio	Lower	Upper
202	100		
200	21.3	0.0	39.4
203	26.3	0.0	37.7

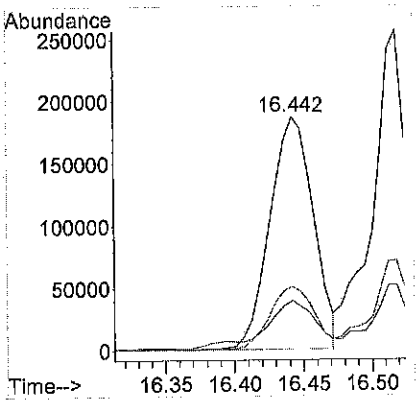


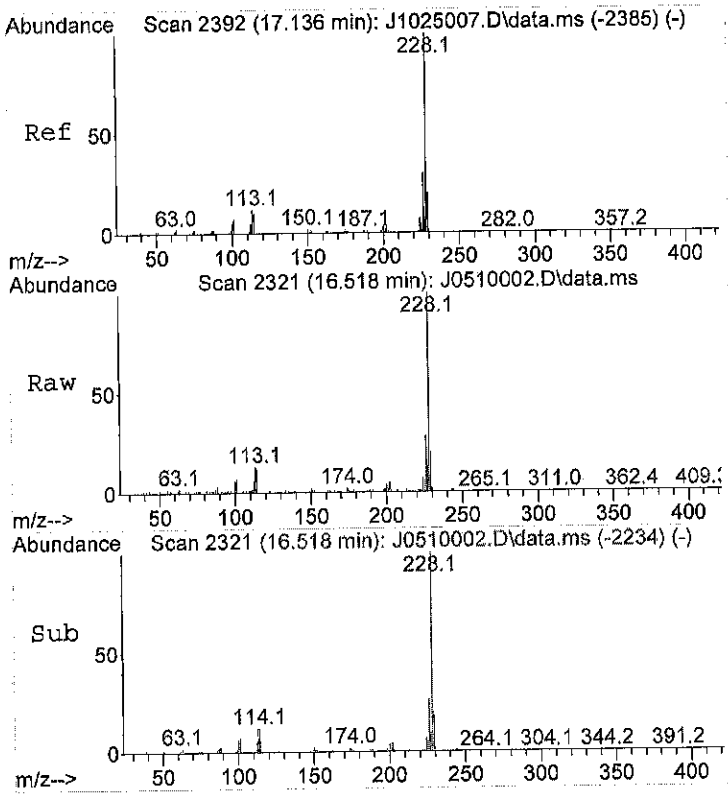


#83
Benzo[a]anthracene
Concen: 7.32 ug/mL
RT: 16.442 min Scan# 2308
Delta R.T. -0.006 min
Lab File: J0510002.D
Acq: 10 May 2023 9:21 am

Tgt Ion:228 Resp: 409636

Ion	Ratio	Lower	Upper
228	100		
229	24.2	0.0	39.6
226	28.1	6.2	46.2

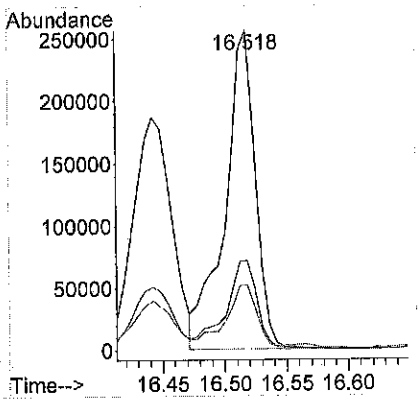


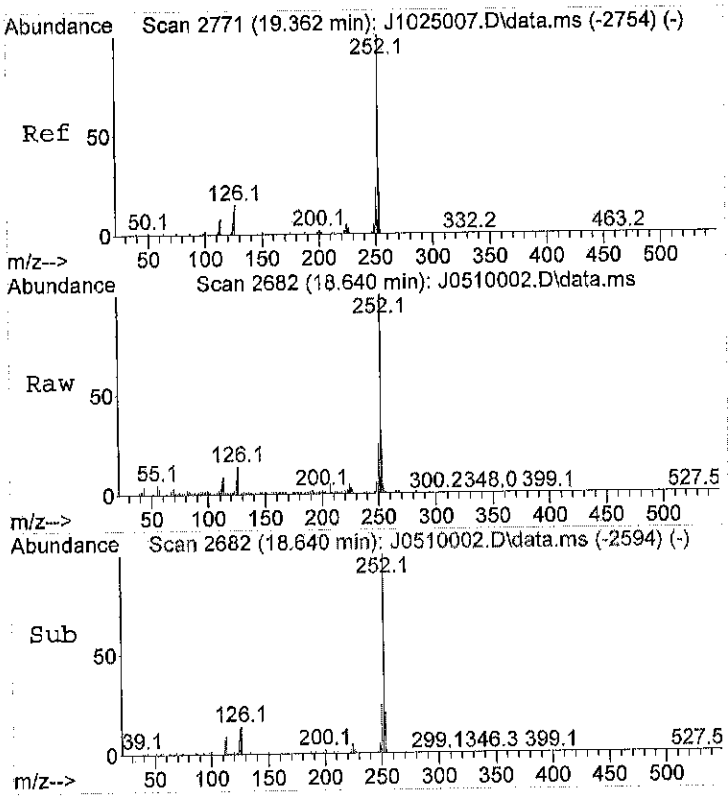


#84
Chrysene
Concen: 8.79 ug/mL
RT: 16.518 min Scan# 2321
Delta R.T. -0.006 min
Lab File: J0510002.D
Acq: 10 May 2023 9:21 am

Tgt Ion:228 Resp: 435119

Ion	Ratio	Lower	Upper
228	100		
226	30.0	8.3	48.3
229	20.1	0.0	39.0

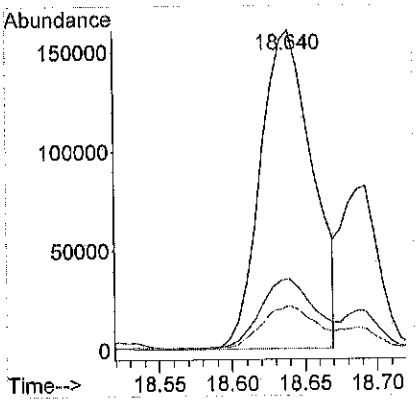


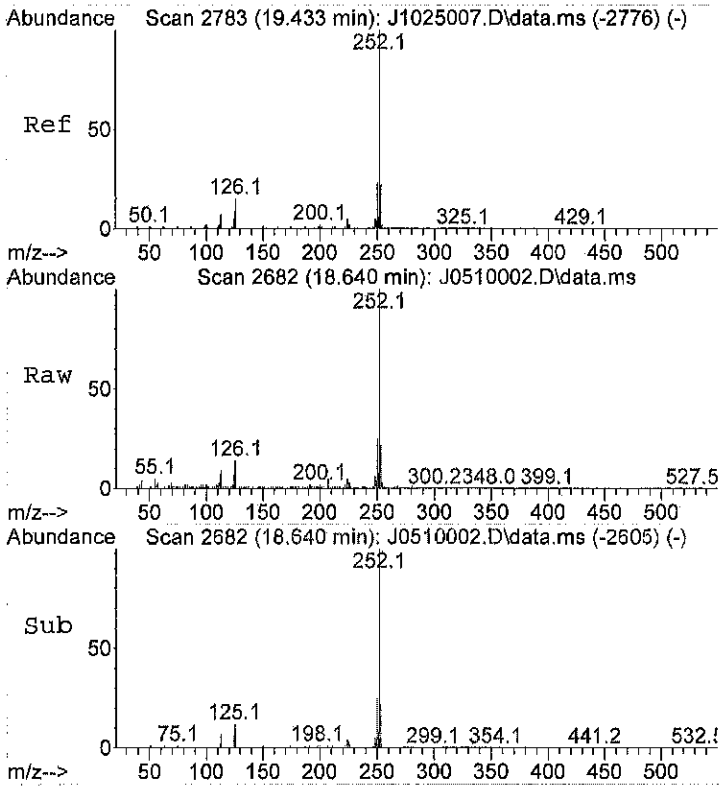


#88
Benzo[b]fluoranthene
Concen: 7.26 ug/mL
RT: 18.640 min Scan# 2682
Delta R.T. 0.000 min
Lab File: J0510002.D
Acq: 10 May 2023 9:21 am

Tgt Ion:252 Resp: 400122

Ion	Ratio	Lower	Upper
252	100		
253	22.8	1.7	41.7
125	13.6	2.4	42.4

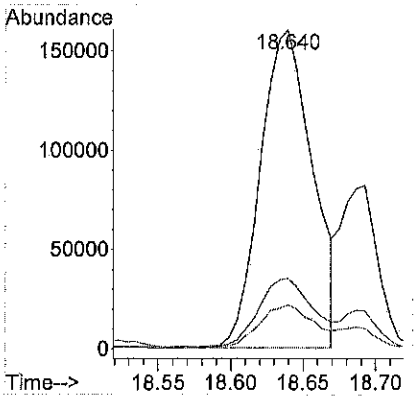


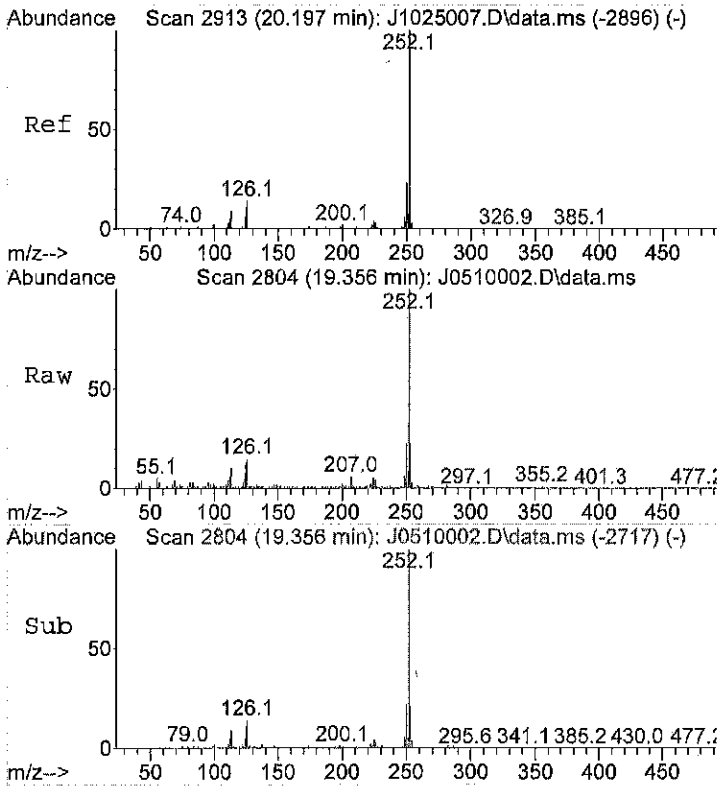


#89
Benzo(j,k)fluoranthene
Concen: 7.70 ug/mL
RT: 18.640 min Scan# 2682
Delta R.T. -0.065 min
Lab File: J0510002.D
Acq: 10 May 2023 9:21 am

Tgt Ion:252 Resp: 400122

Ion	Ratio	Lower	Upper
252	100		
253	22.8	1.6	41.6
125	13.6	1.8	41.8

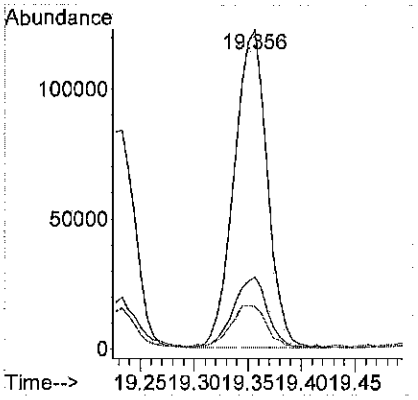




#90
Benzo[a]pyrene
Concen: 5.63 ug/mL
RT: 19.356 min Scan# 2804
Delta R.T. -0.006 min
Lab File: J0510002.D
Acq: 10 May 2023 9:21 am

Tgt Ion:252 Resp: 262529

Ion	Ratio	Lower	Upper
252	100		
253	22.6	1.6	41.6
125	13.7	4.2	44.2



Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Corey\DATA\C230505\
Data File : C0505012.D
Acq On : 5 May 2023 5:48 pm
Operator : JP
Sample : 04-330-04 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 05 18:03:10 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Thu May 04 10:12:53 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	3.885	136	194552	2000.00	ppb	0.00
5) Acenaphthene-d10	5.122	164	96254	2000.00	ppb	0.00
9) Phenanthrene-d10	6.142	188	177562	2000.00	ppb	0.00
16) Chrysene-d12	8.208	240	141743	2000.00	ppb	0.00
20) Perylene-d12	9.641	264	151366	2000.00	ppb	0.00
System Monitoring Compounds						
6) 2-Fluorobiphenyl	4.672	172	75037	797.26	ppb	0.00
Spiked Amount 1000.000	Range 25 - 89		Recovery = 79.73%			
10) Pyrene-d10	7.212	212	2018	20.72	ppb	0.06
Spiked Amount 1000.000	Range 40 - 110		Recovery = 2.07%#			
17) Terphenyl-d14	7.299	244	73576	1111.36	ppb	-0.02
Spiked Amount 1000.000	Range 39 - 92		Recovery = 111.14%#			
Target Compounds						Qvalue
2) Naphthalene	3.900	128	6738	53.01	ppb	100
3) 2-Methylnaphthalene	4.399	142	3654	44.46	ppb	98
4) 1-Methylnaphthalene	4.468	142	9528	122.87	ppb	99
7) Acenaphthylene	5.021	152	38015	296.09	ppb	100
8) Acenaphthene	5.145	153	53389	665.39	ppb	100
11) Fluorene	5.499	166	83184	908.08	ppb	100
12) Phenanthrene	6.159	178	515770	4010.83	ppb	90
13) Anthracene	6.194	178	212104	1592.26	ppb	96
14) Fluoranthene	6.991	202	1104836	7652.05	ppb	77
15) Pyrene	7.155	202	956446	6691.86	ppb	83
18) Benzo[a]anthracene	8.197	228	433258	3840.83	ppb	90
19) Chrysene	8.231	228	439425	3353.84	ppb	94
21) Benzo[b]fluoranthene	9.269	252	611247	4295.09	ppb	85
22) Benzo(j,k)fluoranthene	9.269	252	611247	4668.35	ppb	84
23) Benzo[a]pyrene	9.583	252	293610	2405.26	ppb	87
24) Indeno(1,2,3-c,d)pyrene	10.643	276	131321	1000.45	ppb	65
25) Dibenz[a,h]anthracene	10.666	278	37850	297.99	ppb	67
26) Benzo[g,h,i]perylene	10.874	276	114826	847.74	ppb	74

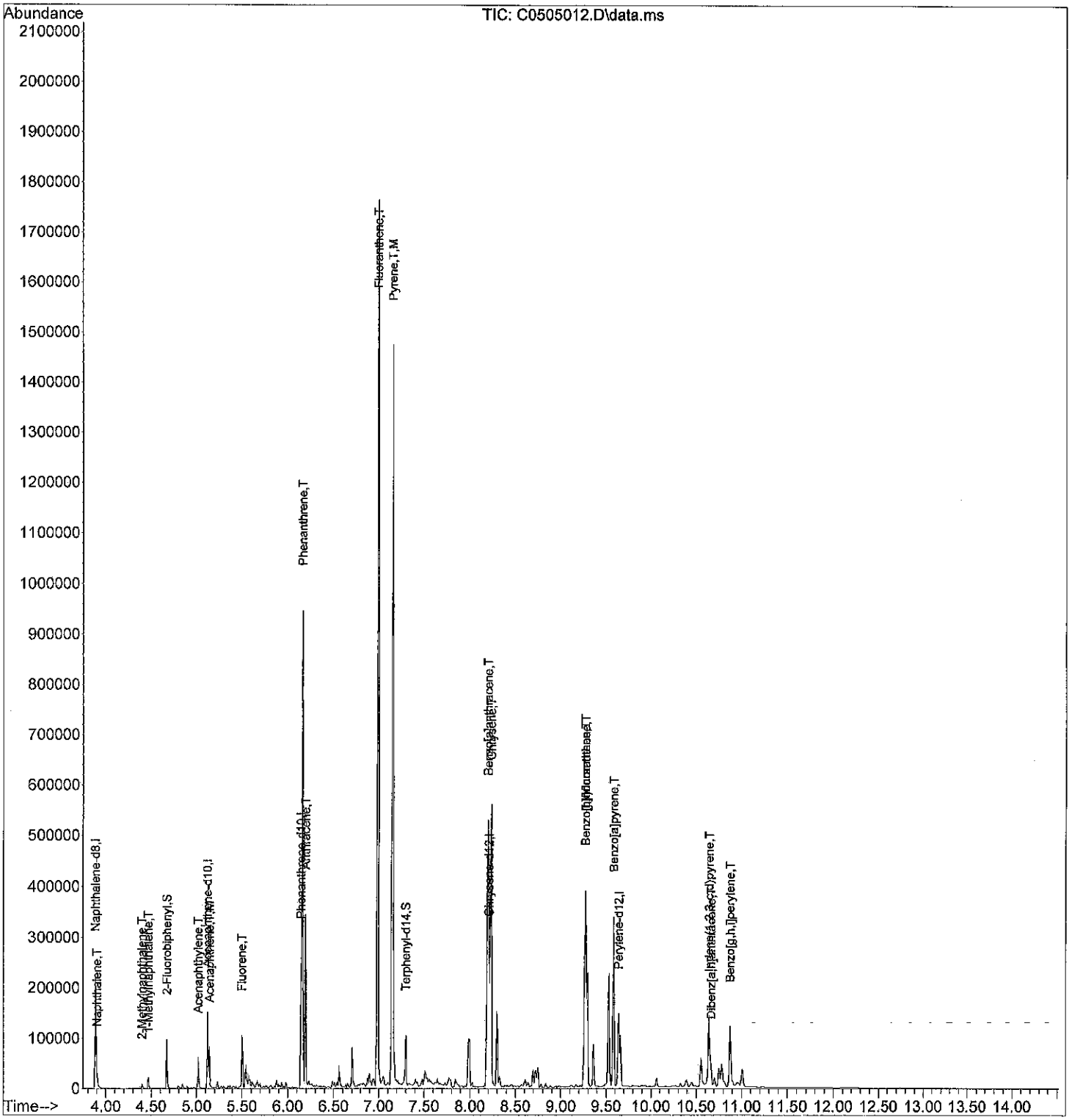
(#) = qualifier out of range (m) = manual integration (+) = signals summed

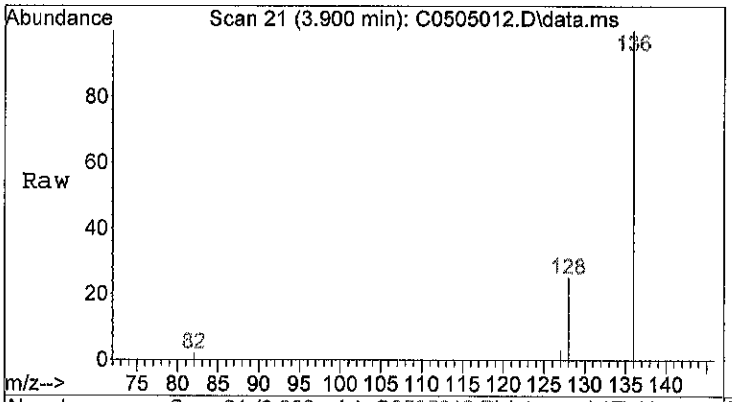
JP 6/2/23

Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Corey\DATA\C230505\
Data File : C0505012.D
Acq On : 5 May 2023 5:48 pm
Operator : JP
Sample : 04-330-04 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 05 18:03:10 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Thu May 04 10:12:53 2023
Response via : Initial Calibration

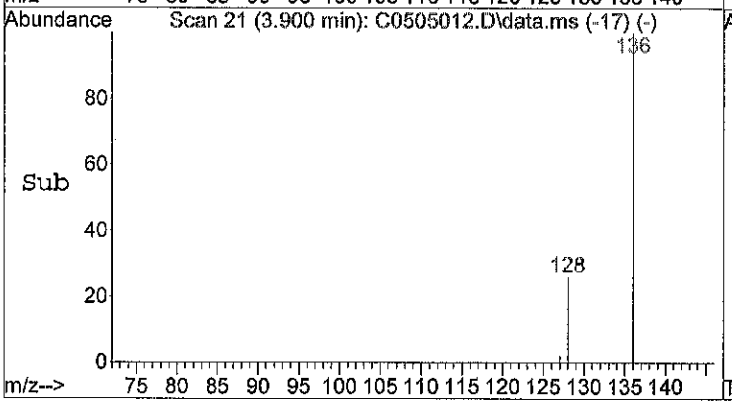


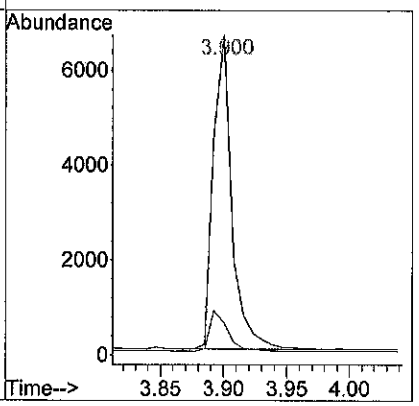


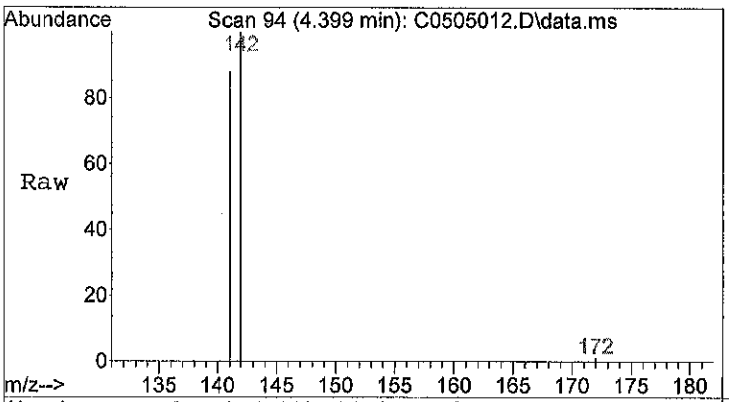
#2
Naphthalene
Concen: 53.01 ppb
RT: 3.900 min Scan# 21
Delta R.T. 0.196 min
Lab File: C0505012.D
Acq: 5 May 23 5:48 pm

Tgt Ion:128 Resp: 6738

Ion	Ratio	Lower	Upper
128	100		
127	12.6	0.0	32.5



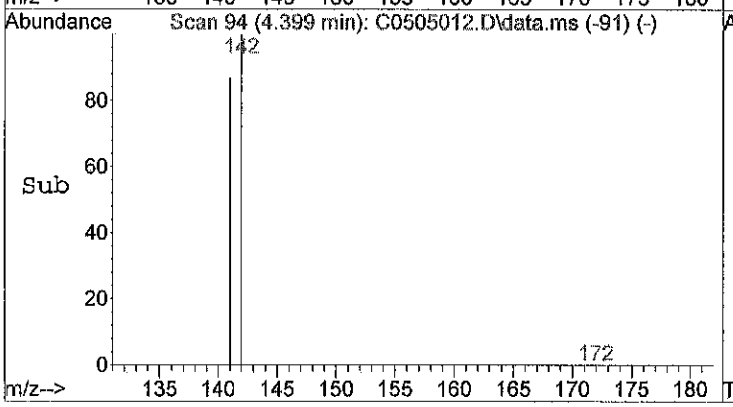


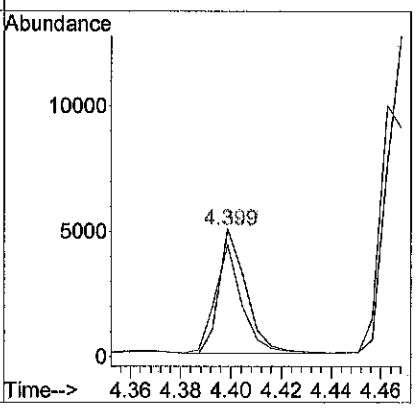


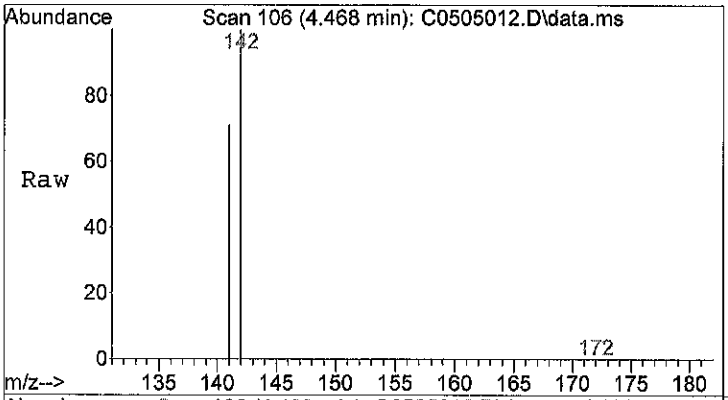
#3
2-Methylnaphthalene
Concen: 44.46 ppb
RT: 4.399 min Scan# 94
Delta R.T. 0.191 min
Lab File: C0505012.D
Acq: 5 May 23 5:48 pm

Tgt Ion:142 Resp: 3654

Ion	Ratio	Lower	Upper
142	100		
141	86.9	65.3	105.3



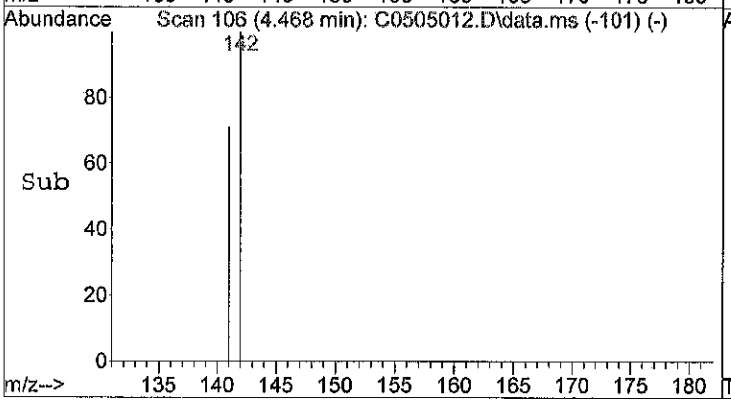


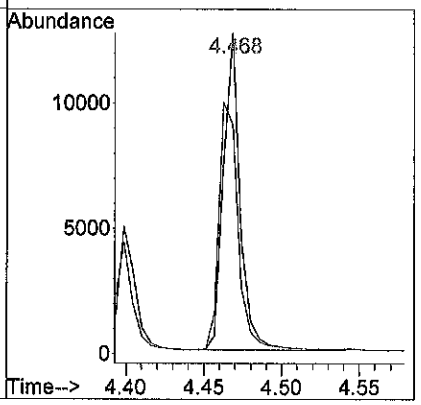


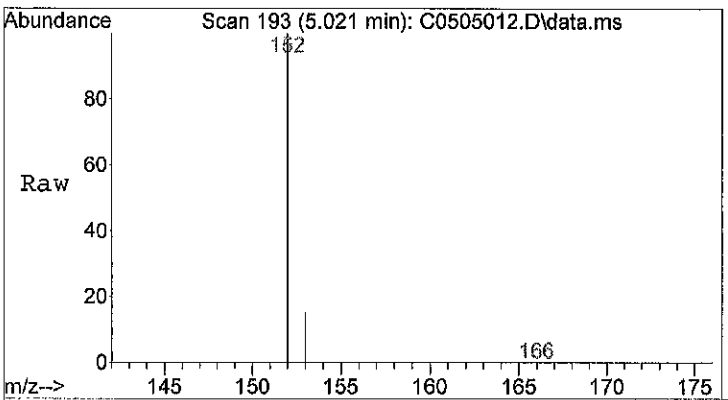
#4
1-Methylnaphthalene
Concen: 122.87 ppb
RT: 4.468 min Scan# 106
Delta R.T. 0.191 min
Lab File: C0505012.D
Acq: 5 May 23 5:48 pm

Tgt Ion:142 Resp: 9528

Ion	Ratio	Lower	Upper
142	100		
141	89.1	68.5	108.5

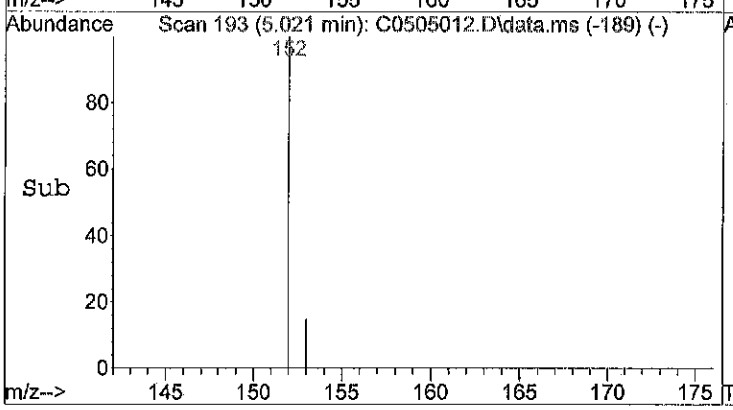


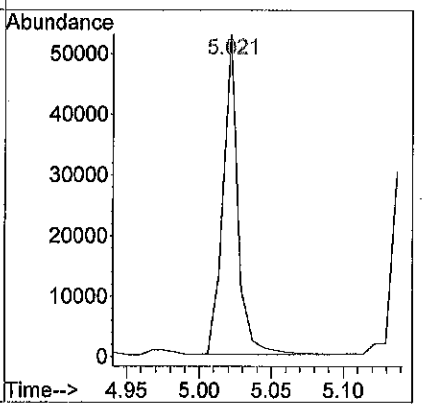


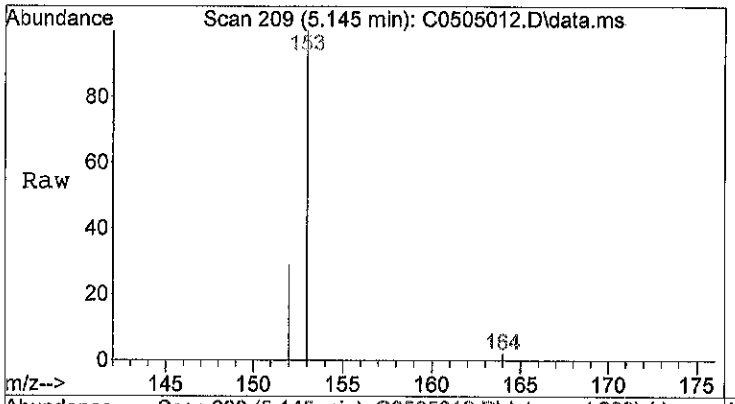


#7
Acenaphthylene
Concen: 296.09 ppb
RT: 5.021 min Scan# 193
Delta R.T. 0.197 min
Lab File: C0505012.D
Acq: 5 May 23 5:48 pm

Tgt Ion:152 Resp: 38015

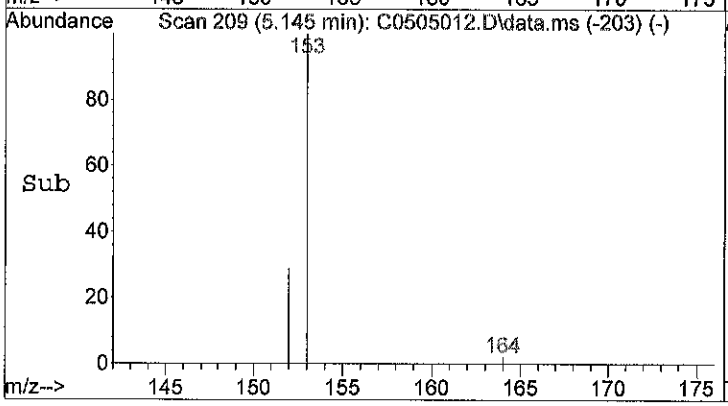


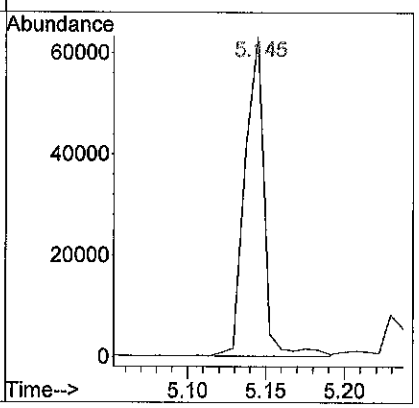


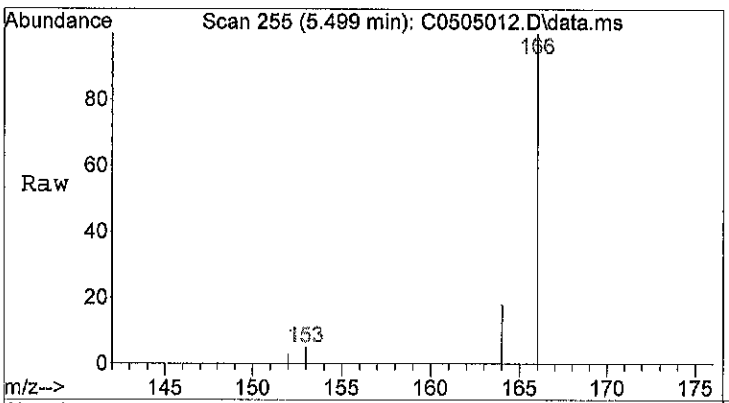


#8
Acenaphthene
Concen: 665.39 ppb
RT: 5.145 min Scan# 209
Delta R.T. 0.197 min
Lab File: C0505012.D
Acq: 5 May 23 5:48 pm

Tgt Ion:153 Resp: 53389

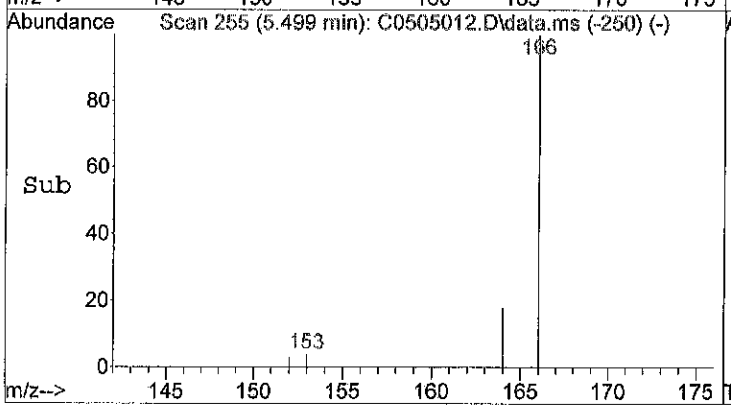


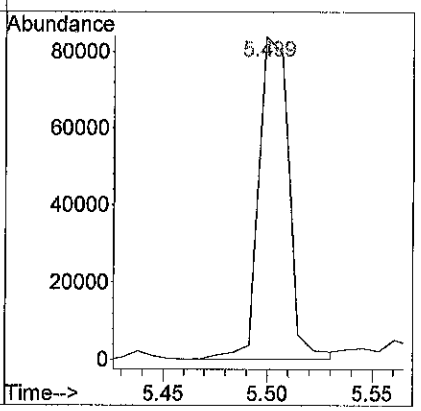


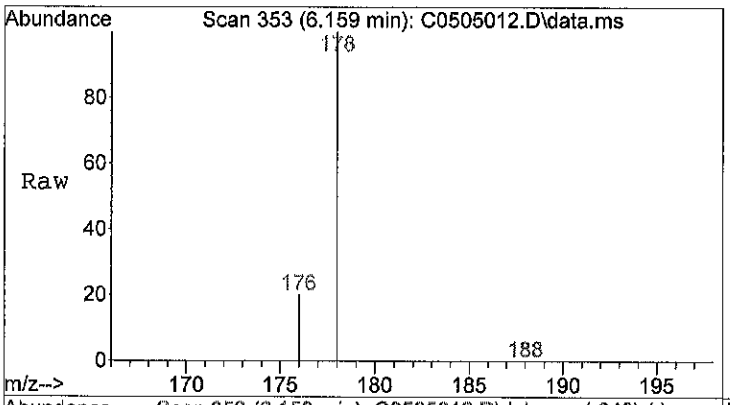


#11
Fluorene
Concen: 908.08 ppb
RT: 5.499 min Scan# 255
Delta R.T. 0.189 min
Lab File: C0505012.D
Acq: 5 May 23 5:48 pm

Tgt Ion:166 Resp: 83184



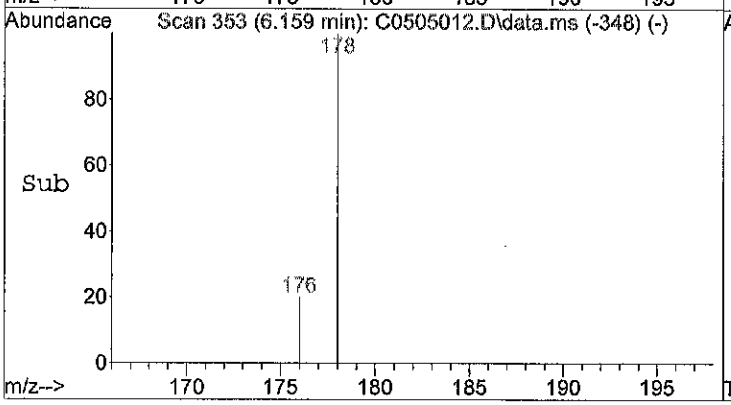


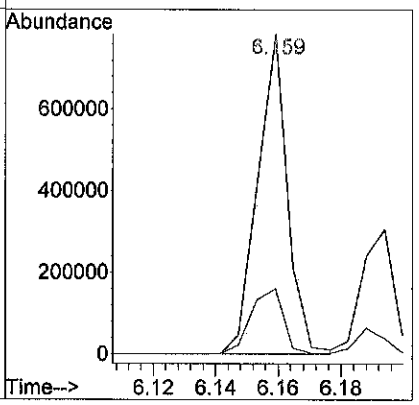


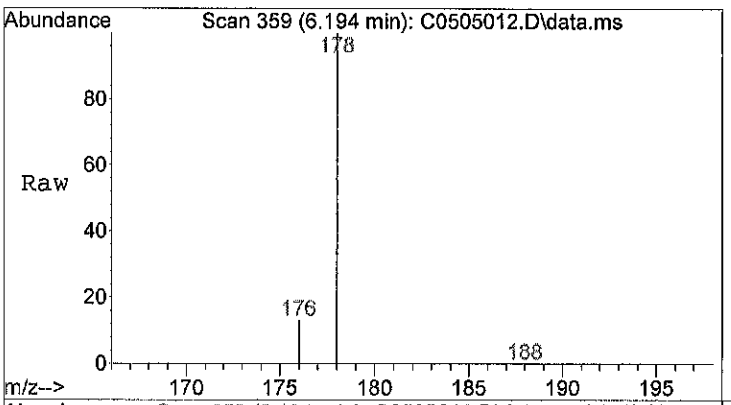
#12
Phenanthrene
Concen: 4010.83 ppb
RT: 6.159 min Scan# 353
Delta R.T. 0.199 min
Lab File: C0505012.D
Acq: 5 May 23 5:48 pm

Tgt Ion:178 Resp: 515770

Ion	Ratio	Lower	Upper
178	100		
176	22.6	0.0	38.2



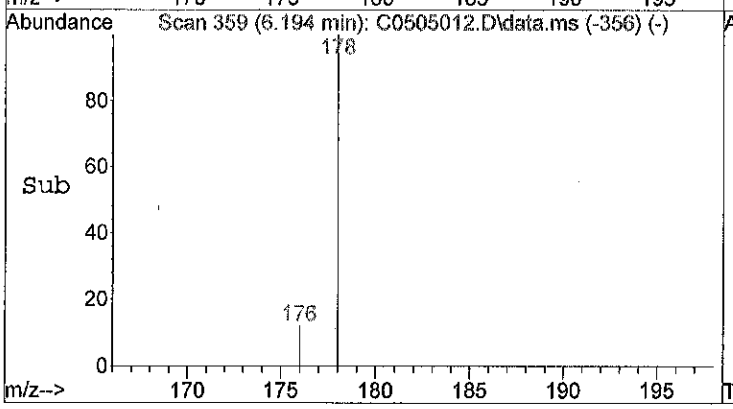


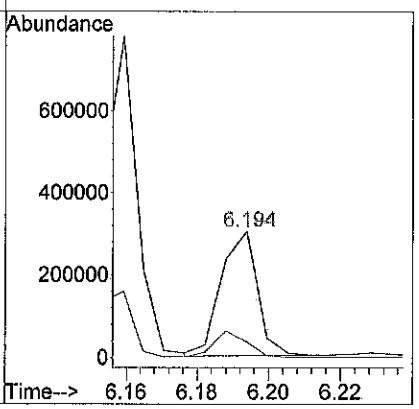


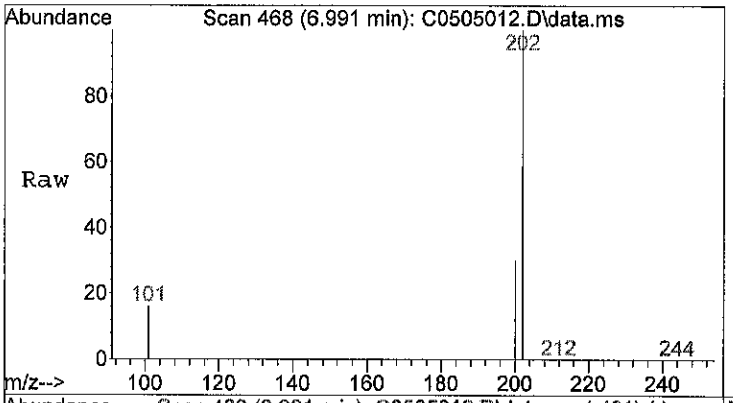
#13
Anthracene
Concen: 1592.26 ppb
RT: 6.194 min Scan# 359
Delta R.T. 0.199 min
Lab File: C0505012.D
Acq: 5 May 23 5:48 pm

Tgt Ion:178 Resp: 212104

Ion	Ratio	Lower	Upper
178	100		
176	19.5	0.0	37.7



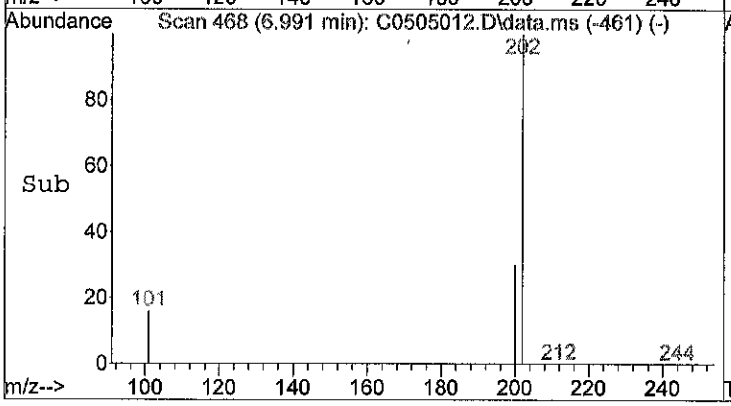


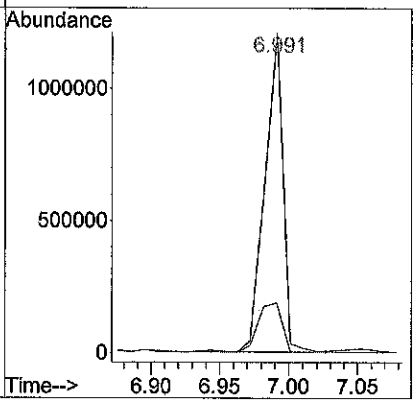


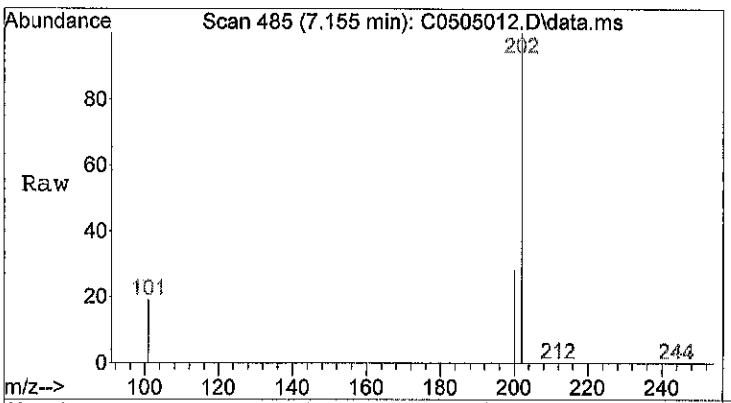
#14
Fluoranthene
Concen: 7652.05 ppb
RT: 6.991 min Scan# 468
Delta R.T. 0.220 min
Lab File: C0505012.D
Acq: 5 May 23 5:48 pm

Tgt Ion:202 Resp: 1104836

Ion	Ratio	Lower	Upper
202	100		
101	20.5	0.0	31.5



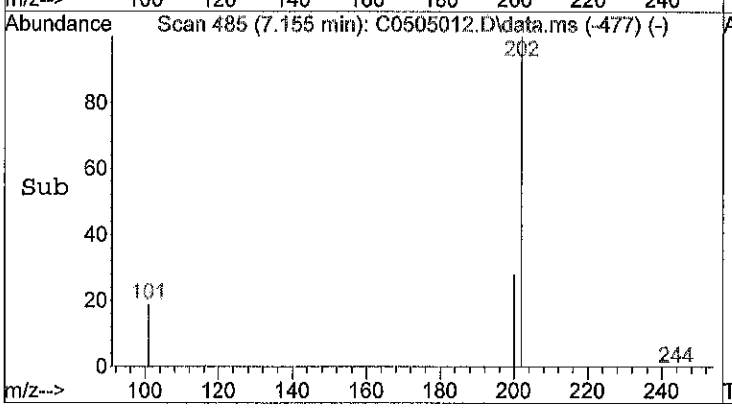


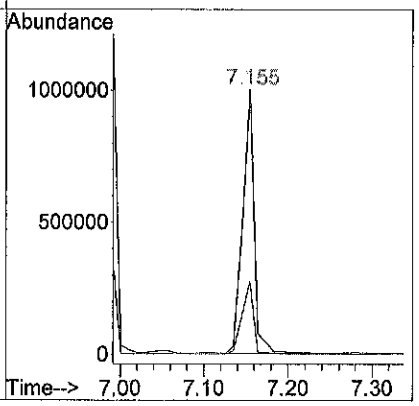


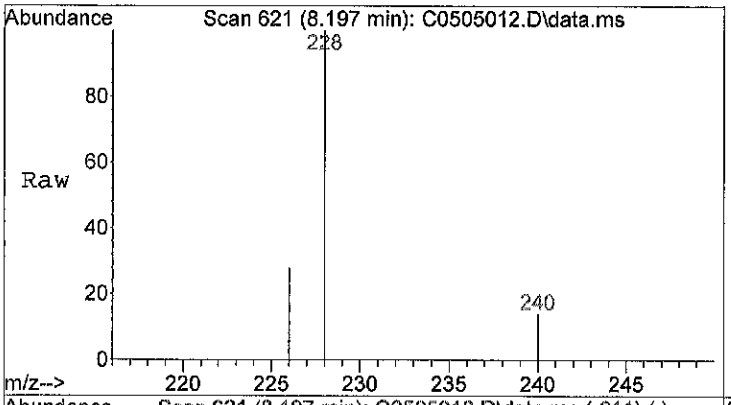
#15
Pyrene
Concen: 6691.86 ppb
RT: 7.155 min Scan# 485
Delta R.T. 0.229 min
Lab File: C0505012.D
Acq: 5 May 23 5:48 pm

Tgt Ion:202 Resp: 956446

Ion	Ratio	Lower	Upper
202	100		
200	27.7	0.0	39.9



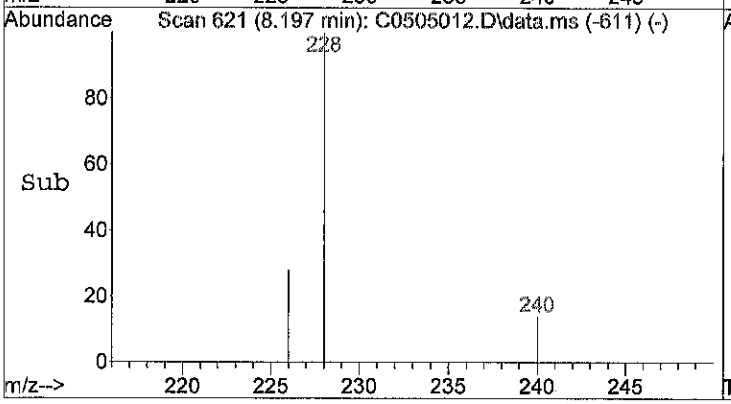


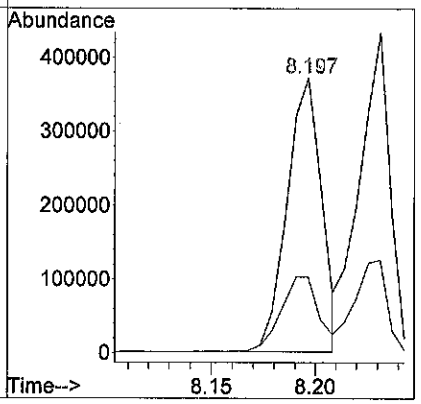


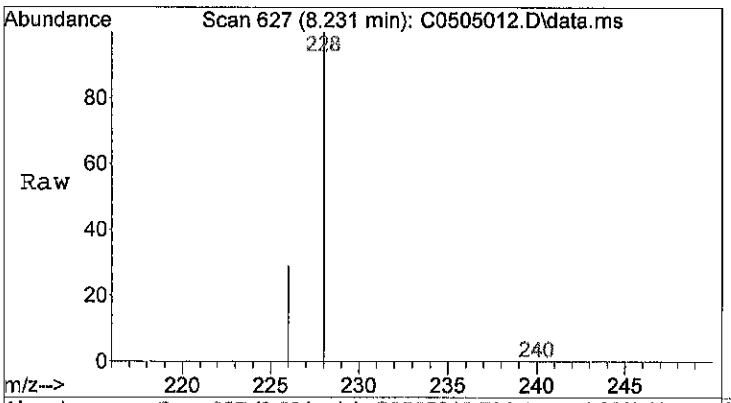
#18
Benzo[a]anthracene
Concen: 3840.83 ppb
RT: 8.197 min Scan# 621
Delta R.T. 0.284 min
Lab File: C0505012.D
Acq: 5 May 23 5:48 pm

Tgt Ion:228 Resp: 433258

Ion	Ratio	Lower	Upper
228	100		
226	30.5	5.3	45.3



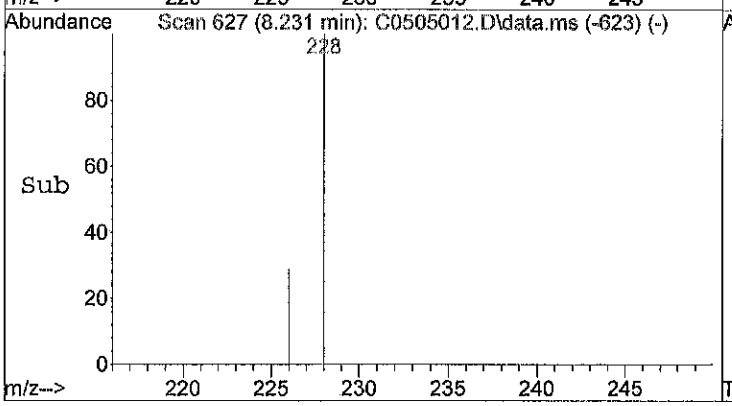


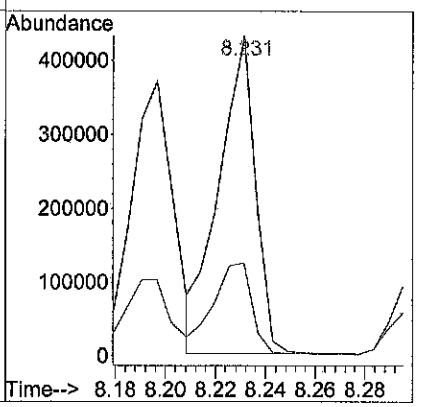


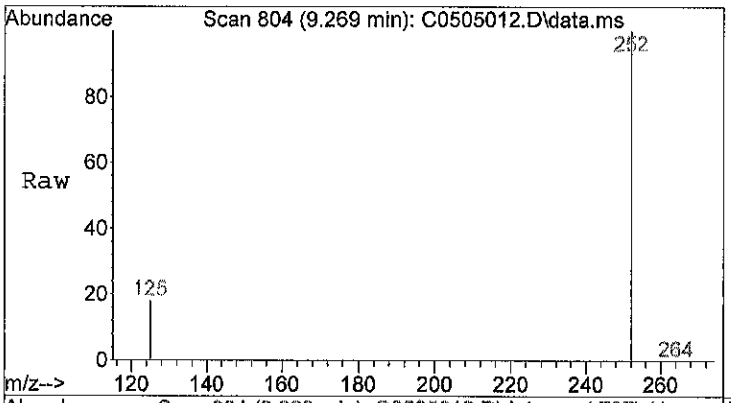
#19
Chrysene
Concen: 3353.84 ppb
RT: 8.231 min Scan# 627
Delta R.T. 0.290 min
Lab File: C0505012.D
Acq: 5 May 23 5:48 pm

Tgt Ion:228 Resp: 439425

Ion	Ratio	Lower	Upper
228	100		
226	31.7	8.7	48.7



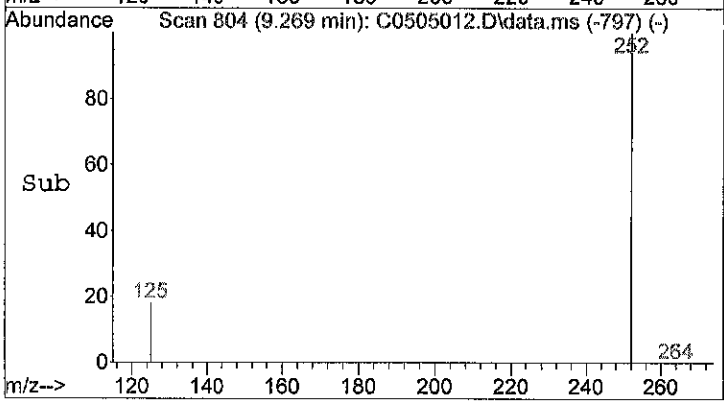


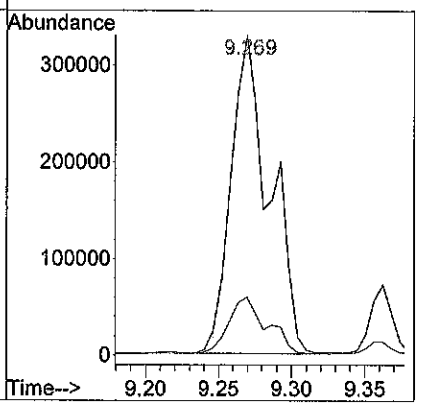


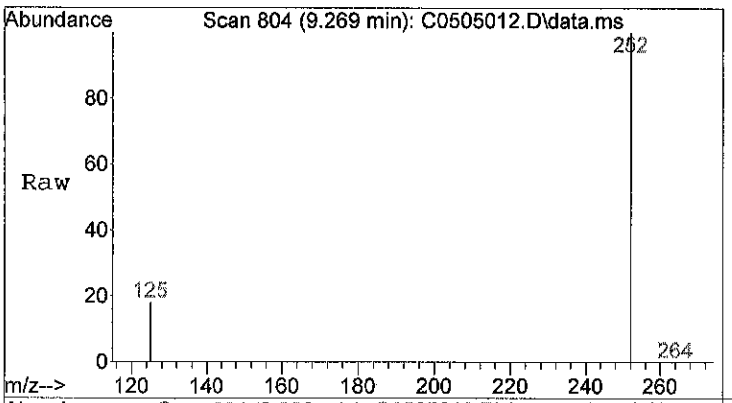
#21
Benzo[b]fluoranthene
Concen: 4295.09 ppb
RT: 9.269 min Scan# 804
Delta R.T. 0.325 min
Lab File: C0505012.D
Acq: 5 May 23 5:48 pm

Tgt Ion:252 Resp: 611247

Ion	Ratio	Lower	Upper
252	100		
125	17.4	0.0	31.5



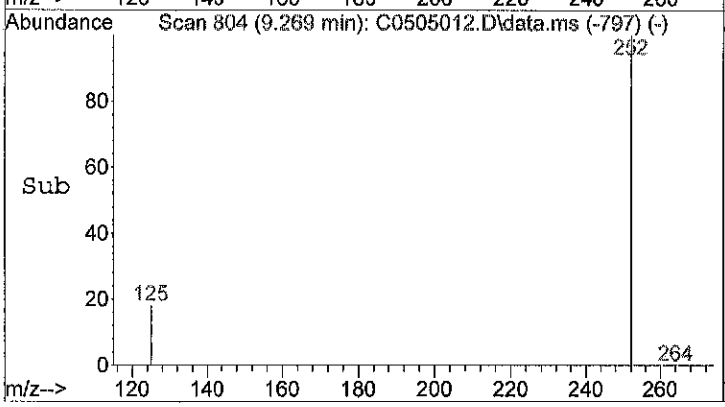


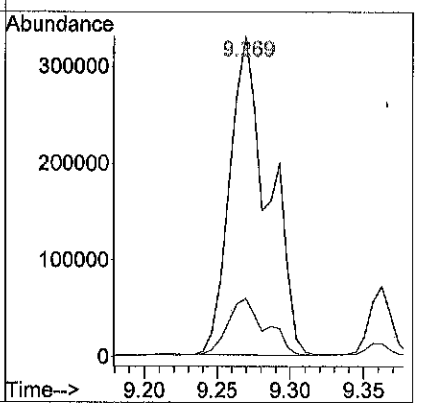


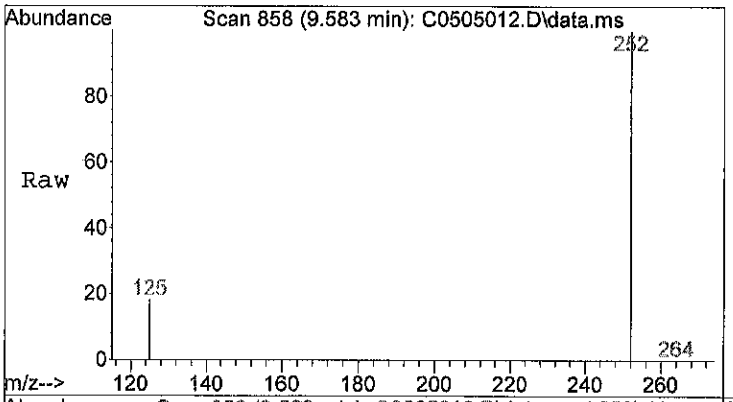
#22
Benzo(j,k)fluoranthene
Concen: 4668.35 ppb
RT: 9.269 min Scan# 804
Delta R.T. 0.296 min
Lab File: C0505012.D
Acq: 5 May 23 5:48 pm

Tgt Ion:252 Resp: 611247

Ion	Ratio	Lower	Upper
252	100		
125	17.4	0.0	31.2



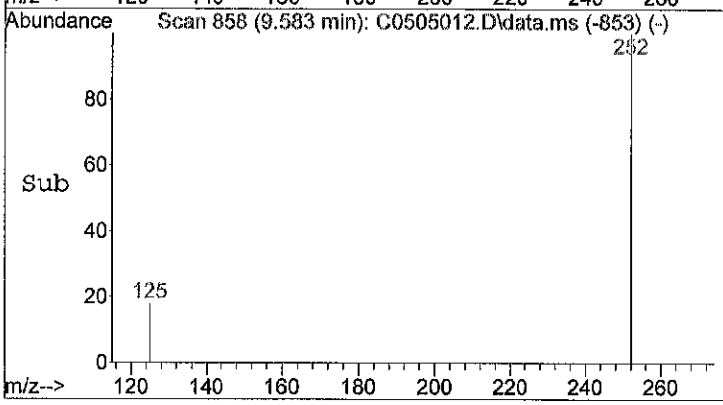


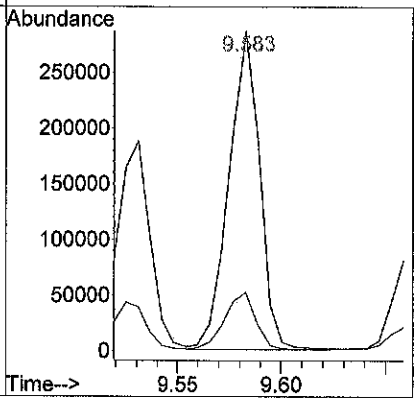


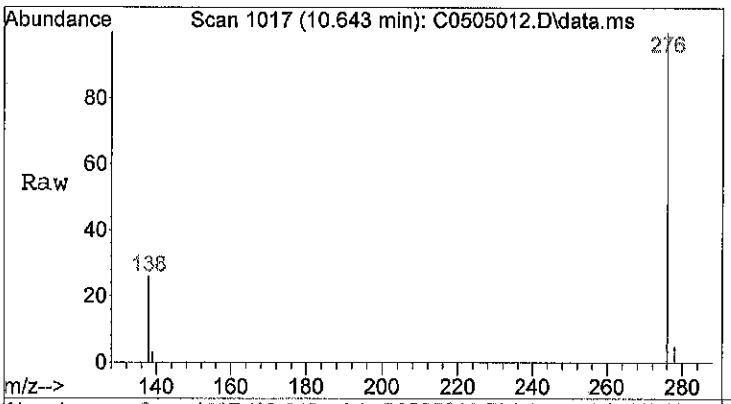
#23
Benzo[a]pyrene
Concen: 2405.26 ppb
RT: 9.583 min Scan# 858
Delta R.T. 0.331 min
Lab File: C0505012.D
Acq: 5 May 23 5:48 pm

Tgt Ion:252 Resp: 293610

Ion	Ratio	Lower	Upper
252	100		
125	17.6	0.0	32.5



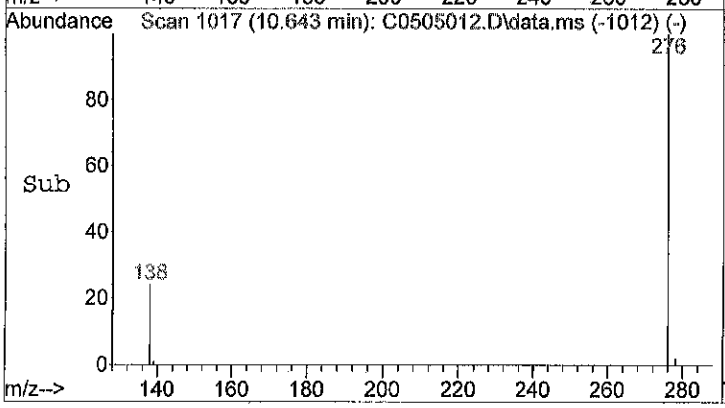


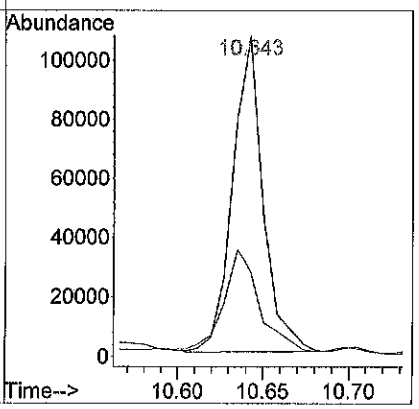


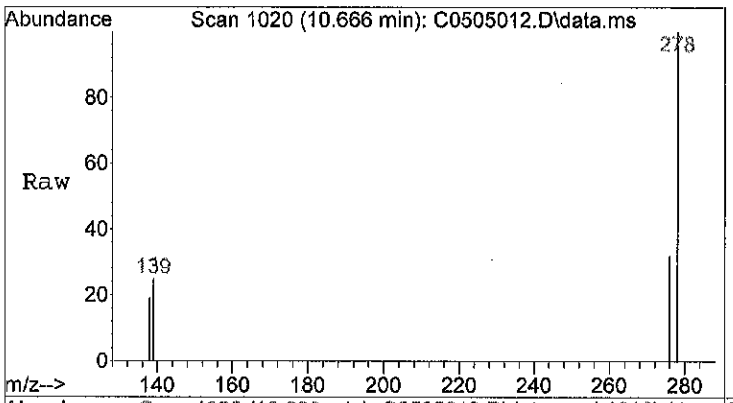
#24
Indeno(1,2,3-c,d)pyrene
Concen: 1000.45 ppb
RT: 10.643 min Scan# 1017
Delta R.T. 0.348 min
Lab File: C0505012.D
Acq: 5 May 23 5:48 pm

Tgt Ion:276 Resp: 131321

Ion	Ratio	Lower	Upper
276	100		
138	39.5	2.5	42.5



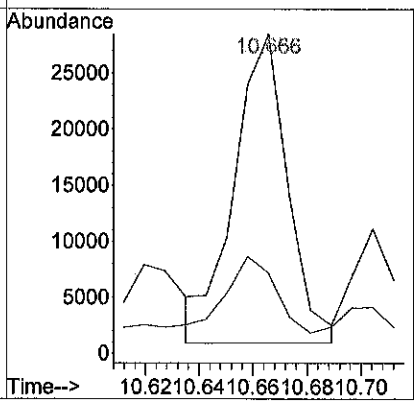


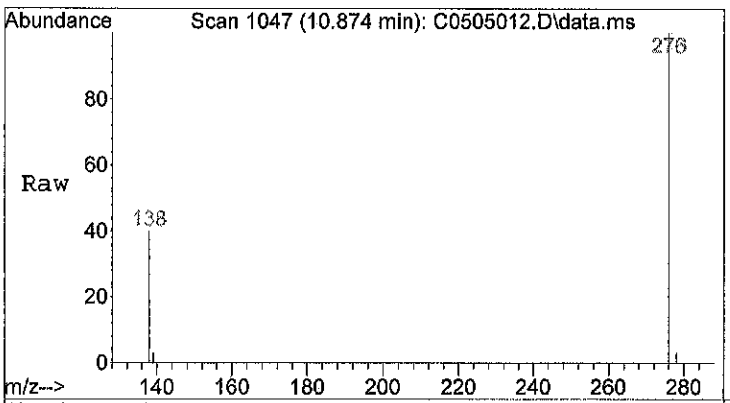


#25
Dibenz[a,h]anthracene
Concen: 297.99 ppb
RT: 10.666 min Scan# 1020
Delta R.T. 0.340 min
Lab File: C0505012.D
Acq: 5 May 23 5:48 pm

Tgt Ion:278 Resp: 37850

Ion	Ratio	Lower	Upper
278	100		
139	34.1	0.0	39.1

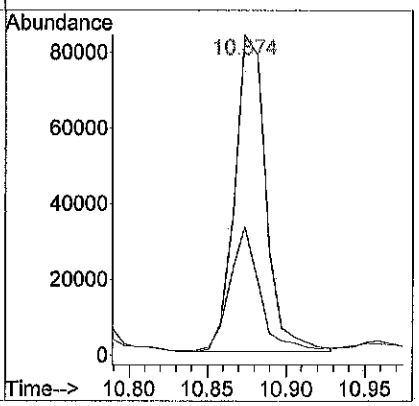




#26
Benzo[g,h,i]perylene
Concen: 847.74 ppb
RT: 10.874 min Scan# 1047
Delta R.T. 0.355 min
Lab File: C0505012.D
Acq: 5 May 23 5:48 pm

Tgt Ion:276 Resp: 114826

Ion	Ratio	Lower	Upper
276	100		
138	37.1	4.1	44.1



Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230505\R0505011.D Vial: 11
Acq On : 5 May 2023 6:05 pm Operator: JP
Sample : 04-330-05 10X Inst : Ralph
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 10 13:09 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230410

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.22	152	1187509	25.00	ug/mL	-0.13
20) Naphthalene-d8	7.82	136	4363250	25.00	ug/mL	-0.14
35) Acenaphthene-d10	10.04	164	2190920	25.00	ug/mL	-0.14
61) Phenanthrene-d10	11.94	188	3391795	25.00	ug/mL	-0.14
75) Chrysene-d12	16.49	240	2597700	25.00	ug/mL	-0.22
86) Perylene-d12	19.51	264	2802145	25.00	ug/mL	-0.27
System Monitoring Compounds						
4) 2-Fluorophenol	4.69	112	225869	3.22	ug/mL	-0.04
Spiked Amount 40.000	Range 21 - 110		Recovery =	8.05%#		
5) Phenol-d6	5.84	99	313063	3.58	ug/mL	-0.01
Spiked Amount 40.000	Range 10 - 110		Recovery =	8.95%#		
21) Nitrobenzene-d5	6.90	82	210920	3.08	ug/mL	-0.13
Spiked Amount 40.000	Range 35 - 114		Recovery =	7.70%#		
40) 2-Fluorobiphenyl	9.17	172	367749	3.42	ug/mL	-0.13
Spiked Amount 40.000	Range 43 - 116		Recovery =	8.55%#		
65) 2,4,6-Tribromophenol	11.04	330	51214	3.19	ug/mL	-0.13
Spiked Amount 40.000	Range 10 - 123		Recovery =	7.98%#		
78) Terphenyl-d14	14.40	244	373143	3.57	ug/mL	-0.20
Spiked Amount 40.000	Range 33 - 141		Recovery =	8.92%#		
Target Compounds						Qvalue
51) Acenaphthene	10.08	154	106261m	1.12	ug/mL	
60) Fluorene	10.73	166	187447	1.75	ug/mL	93
62) 4,6-Dinitro-2-methylphenol	10.78	198	333	1.08	ug/mL#	1
68) Pentachlorophenol	11.70	266	4476	1.23	ug/mL	97
70) Phenanthrene	11.96	178	1530007	9.45	ug/mL	99
71) Anthracene	12.03	178	913874	5.61	ug/mL	98
74) Fluoranthene	13.77	202	2706533	18.25	ug/mL	92
77) Pyrene	14.17	202	1907080	12.68	ug/mL	86
82) Benzo[a]anthracene	16.46	228	904831	6.81	ug/mL	95
83) Chrysene	16.54	228	1063873m	8.54	ug/mL	
87) Benzo[b]fluoranthene	18.65	252	878122m	6.74	ug/mL	
88) Benzo(j,k)fluoranthene	18.70	252	301747m	2.39	ug/mL	
89) Benzo[a]pyrene	19.35	252	556852	4.97	ug/mL	90
90) Indeno[1,2,3-cd]pyrene	22.38	276	215836	1.89	ug/mL#	63
92) Benzo[g,h,i]perylene	23.25	276	183984	1.68	ug/mL	83

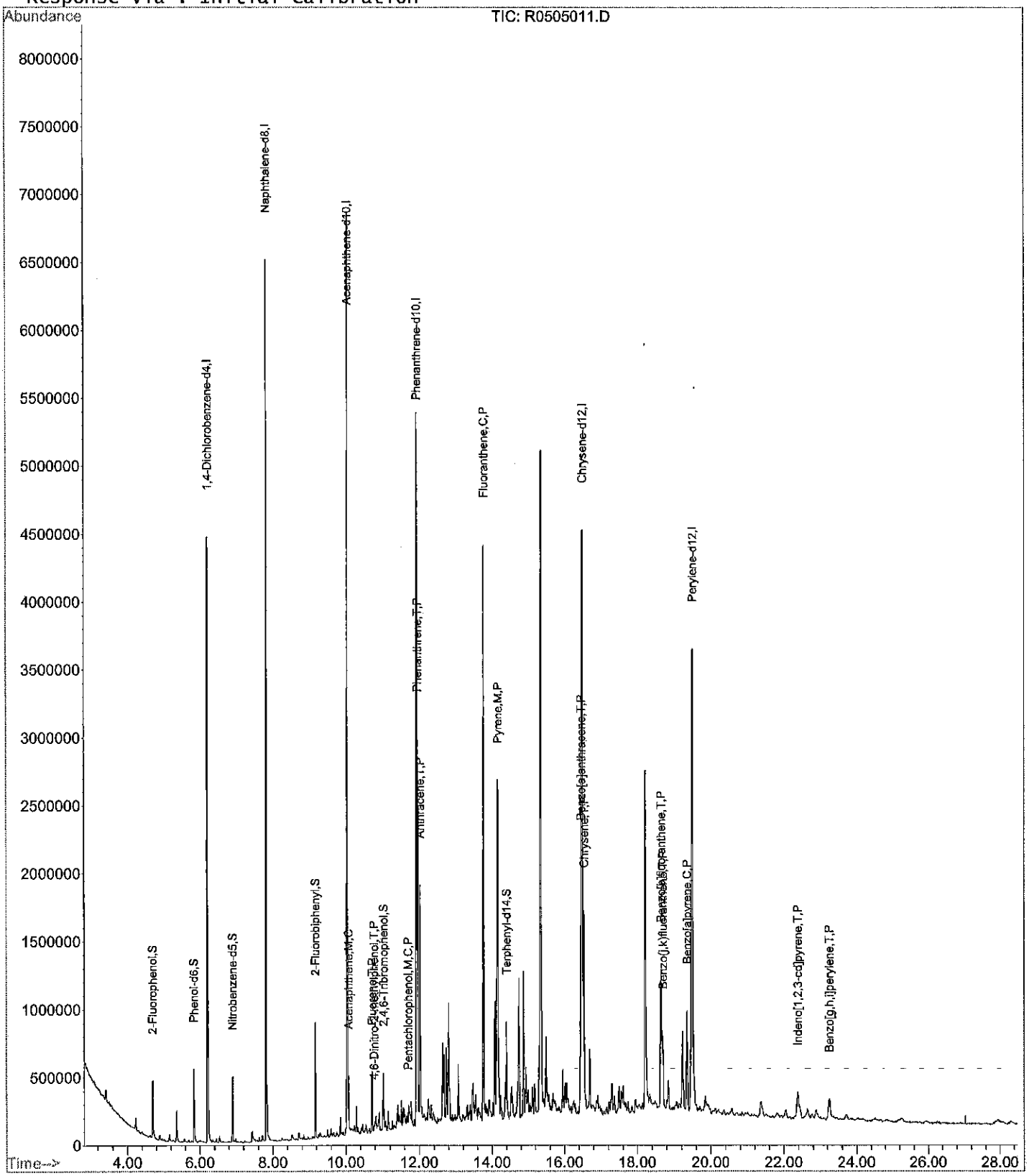
6/2/23

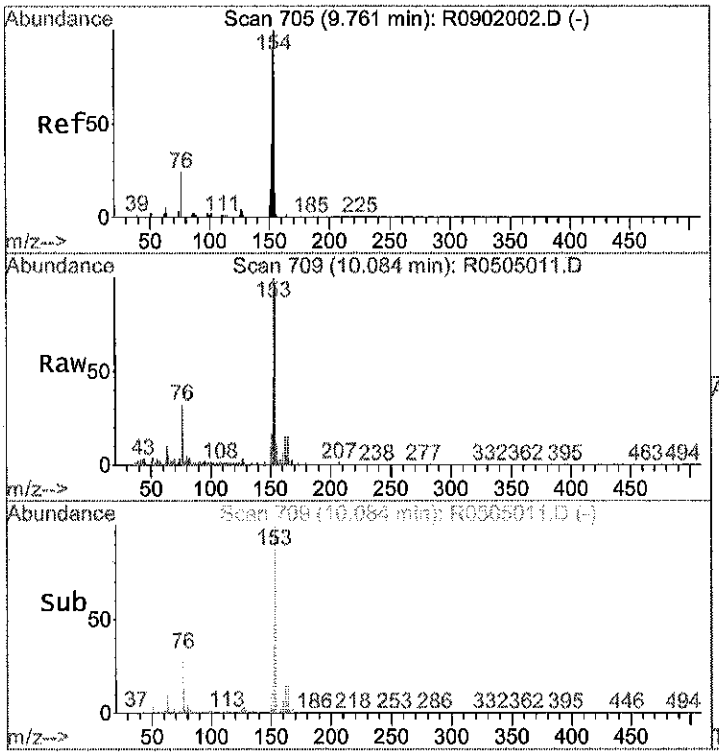
(#) = qualifier out of range (m) = manual integration
R0505011.D SV230410.M Fri Jun 02 09:50:19 2023

Quantitation Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230505\R0505011.D Vial: 11
Acq On : 5 May 2023 6:05 pm Operator: JP
Sample : 04-330-05 10X Inst : Ralph
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 10 13:09 2023 Quant Results File: SV230410.RES

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Thu May 11 08:45:53 2023
Response via : Initial Calibration

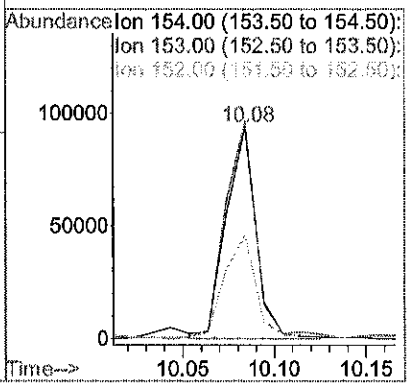


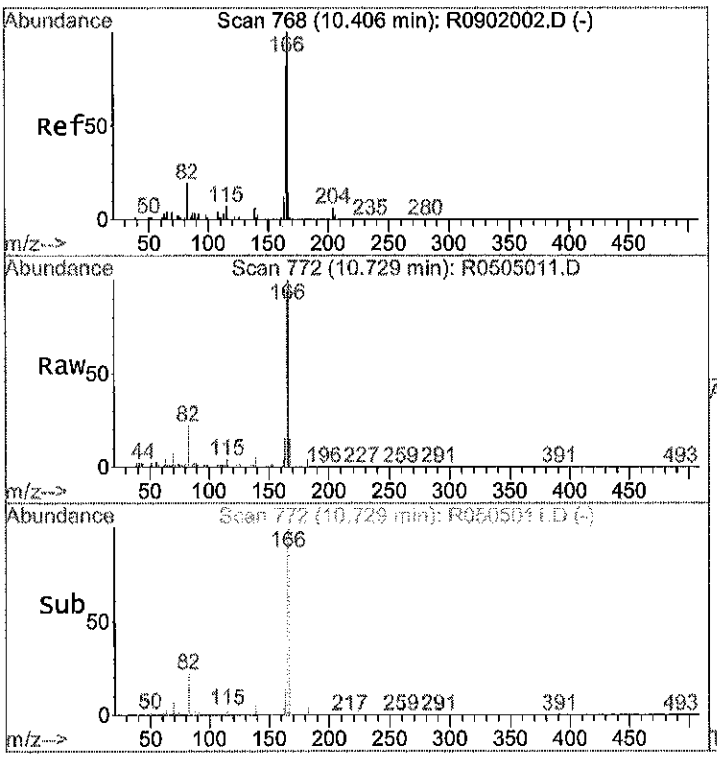


#51
Acenaphthene
Concen: 1.12 ug/mL m
RT: 10.08 min Scan# 709
Delta R.T. -0.15 min
Lab File: R0505011.D
Acq: 5 May 2023 6:05 pm

Tgt Ion:154 Resp: 106261

Ion	Ratio	Lower	Upper
154	100		
153	107.5	75.6	115.6
152	52.0	23.3	63.3

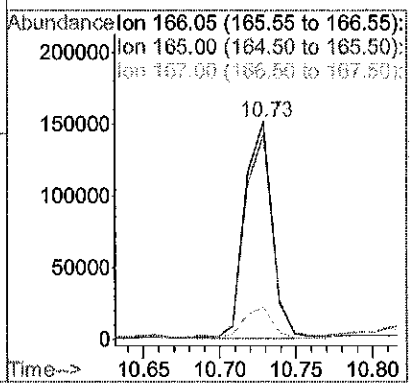


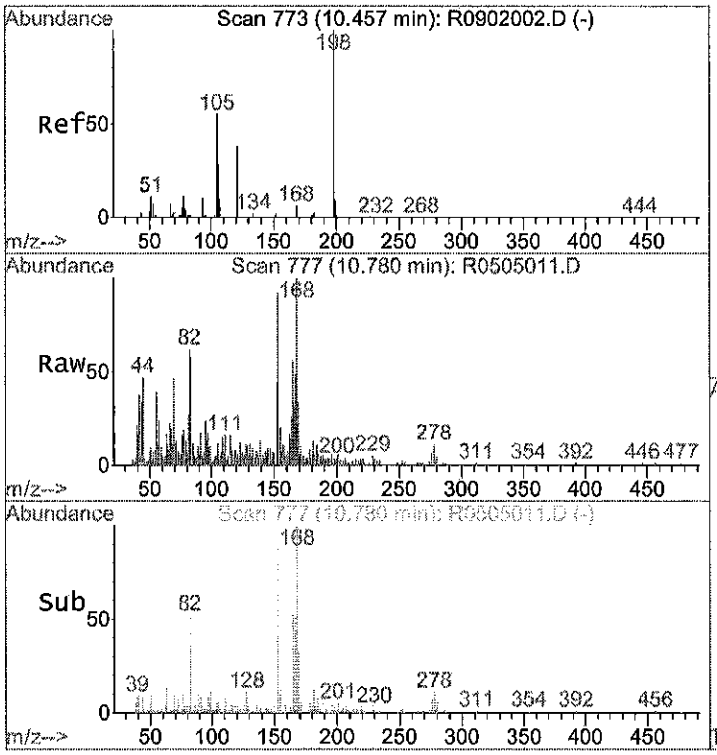


#60
Fluorene
Concen: 1.75 ug/mL
RT: 10.73 min Scan# 772
Delta R.T. -0.14 min
Lab File: R0505011.D
Acq: 5 May 2023 6:05 pm

Tgt Ion:166 Resp: 187447

Ion	Ratio	Lower	Upper
166	100		
165	95.5	68.5	108.5
167	15.9	0.0	33.5

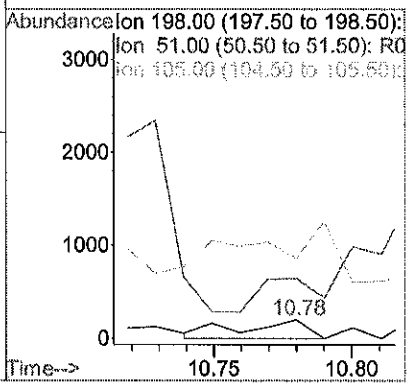


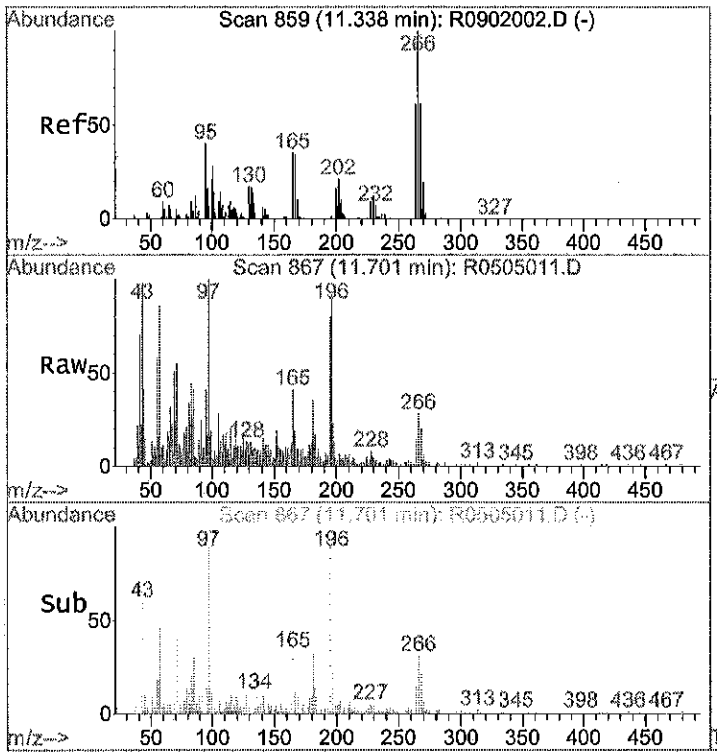


#62
4,6-Dinitro-2-methylphenol
Concen: 1.08 ug/mL
RT: 10.78 min Scan# 777
Delta R.T. -0.12 min
Lab File: R0505011.D
Acq: 5 May 2023 6:05 pm

Tgt Ion:198 Resp: 333

Ion	Ratio	Lower	Upper
198	100		
51	0.0	40.9	80.9#
105	475.1	15.7	55.7#

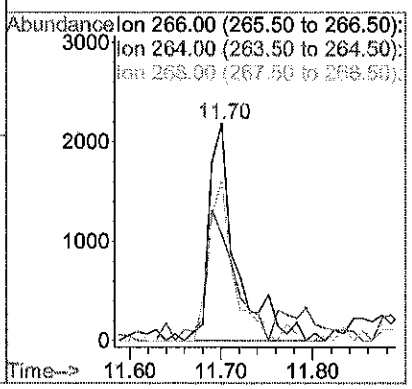


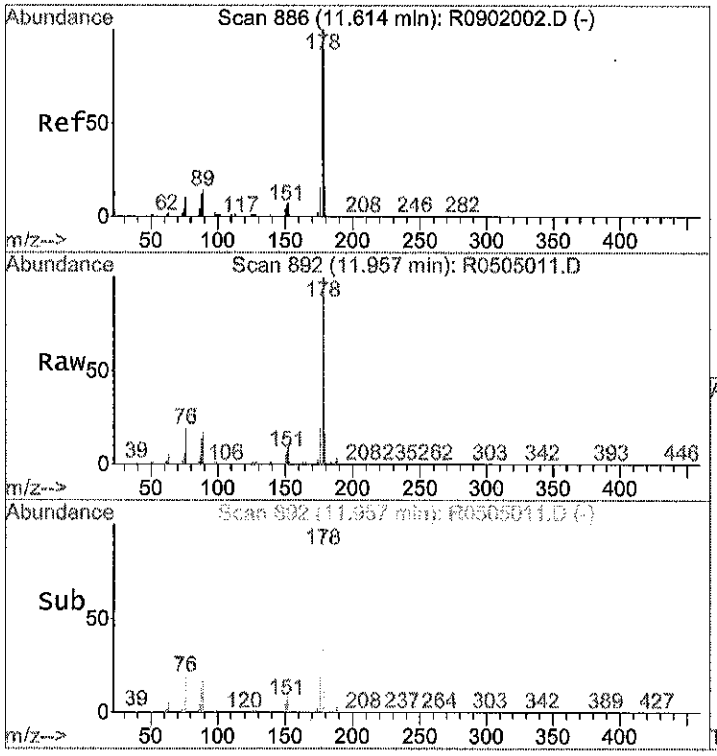


#68
Pentachlorophenol
Concen: 1.23 ug/mL
RT: 11.70 min Scan# 867
Delta R.T. -0.11 min
Lab File: R0505011.D
Acq: 5 May 2023 6:05 pm

Tgt Ion:266 Resp: 4476

Ion	Ratio	Lower	Upper
266	100		
264	63.6	42.8	82.8
268	67.2	44.0	84.0

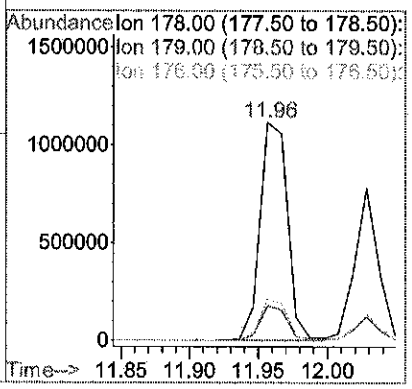


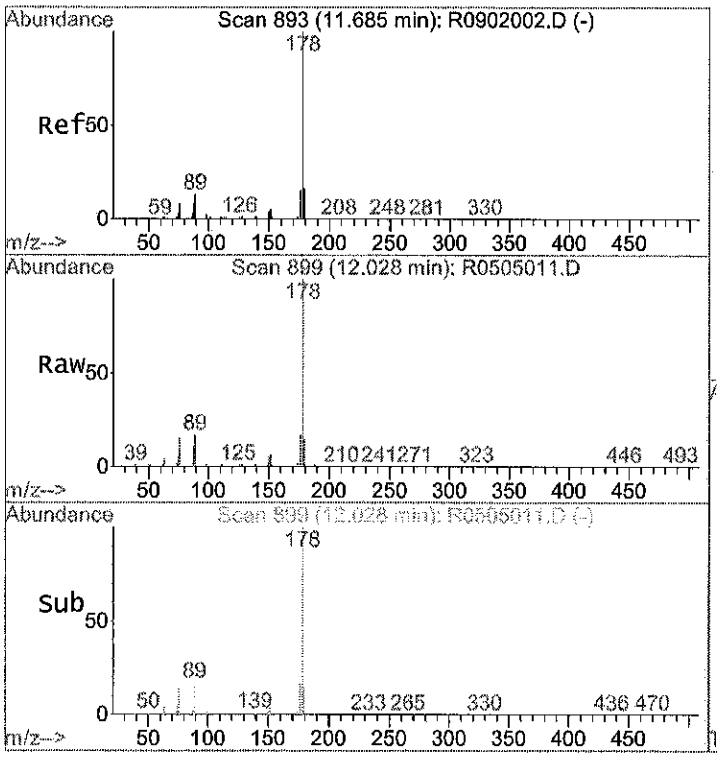


#70
Phenanthrene
Concen: 9.45 ug/mL
RT: 11.96 min Scan# 892
Delta R.T. -0.16 min
Lab File: R0505011.D
Acq: 5 May 2023 6:05 pm

Tgt Ion:178 Resp: 1530007

Ion	Ratio	Lower	Upper
178	100		
179	15.9	0.0	35.6
176	18.6	0.0	37.8

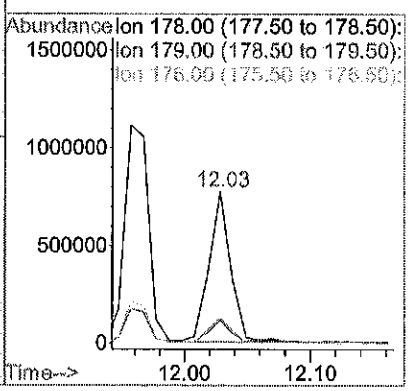


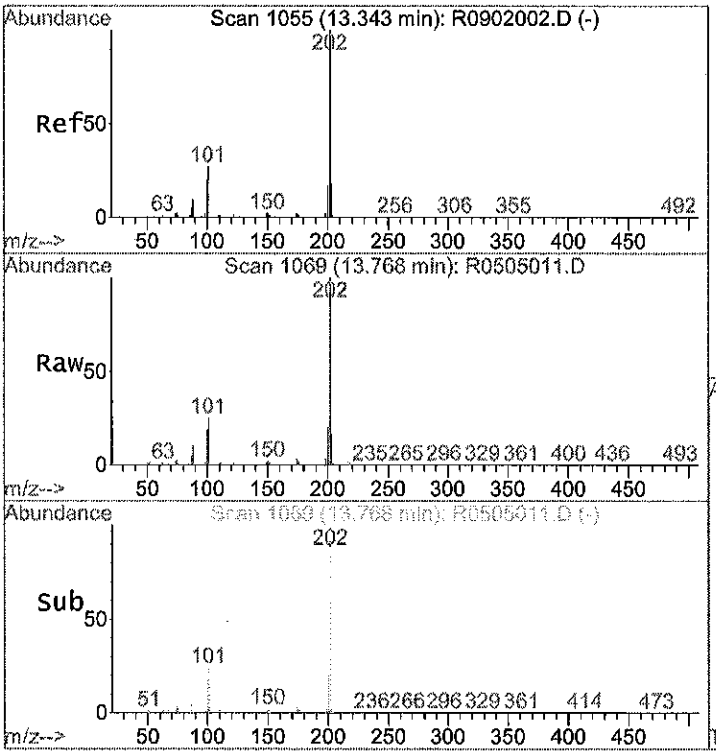


#71
Anthracene
Concen: 5.61 ug/mL
RT: 12.03 min Scan# 899
Delta R.T. -0.16 min
Lab File: R0505011.D
Acq: 5 May 2023 6:05 pm

Tgt Ion:178 Resp: 913874

Ion	Ratio	Lower	Upper
178	100		
179	16.3	0.0	35.4
176	17.7	0.0	36.9

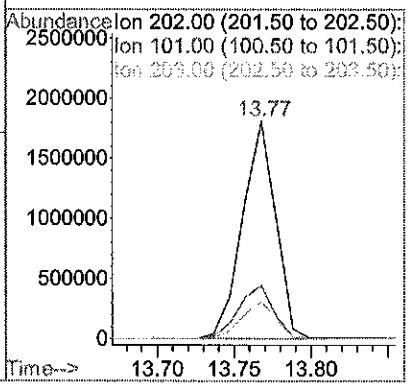


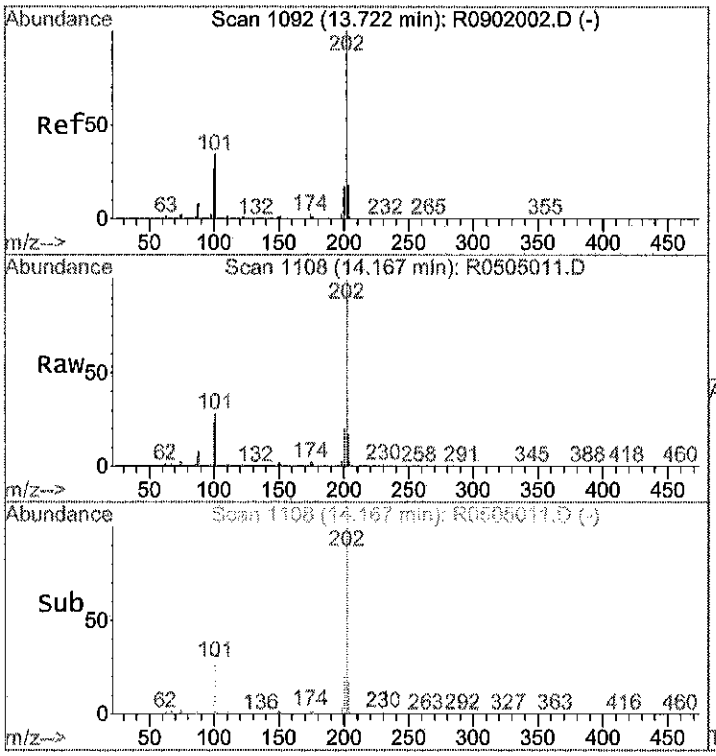


#74
Fluoranthene
Concen: 18.25 ug/mL
RT: 13.77 min Scan# 1069
Delta R.T. -0.19 min
Lab File: R0505011.D
Acq: 5 May 2023 6:05 pm

Tgt Ion:202 Resp: 2706533

Ion	Ratio	Lower	Upper
202	100		
101	25.6	0.0	38.8
203	17.2	0.0	37.4

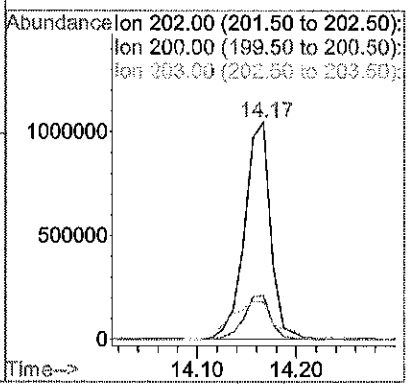


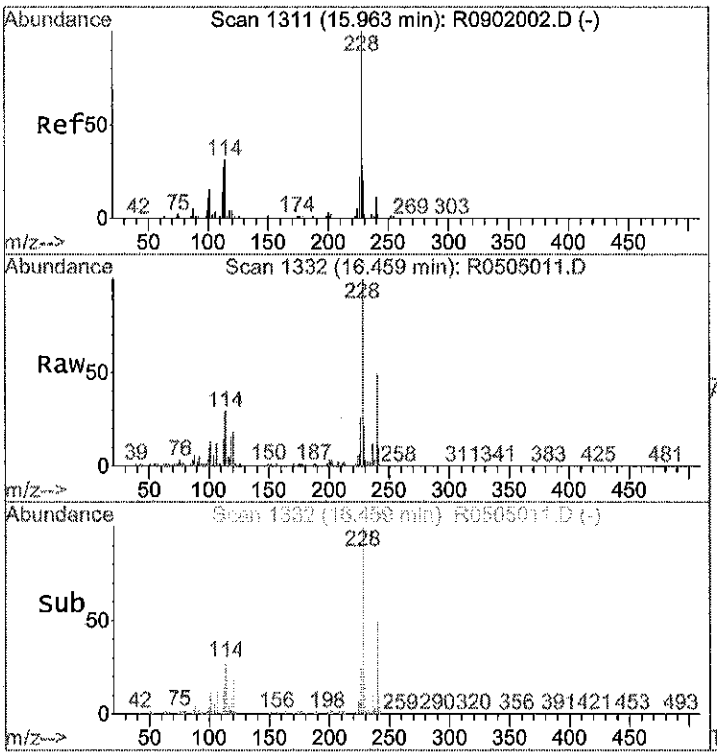


#77
Pyrene
Concen: 12.68 ug/mL
RT: 14.17 min Scan# 1108
Delta R.T. -0.19 min
Lab File: R0505011.D
Acq: 5 May 2023 6:05 pm

Tgt Ion:202 Resp: 1907080

Ion	Ratio	Lower	Upper
202	100		
200	21.0	0.0	39.3
203	28.8	0.0	38.0

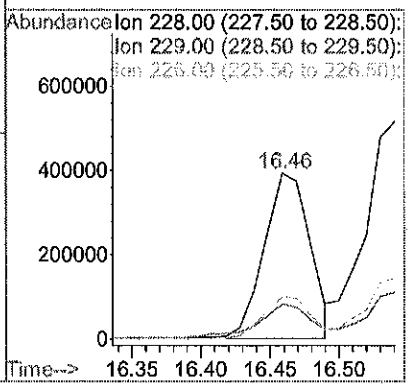


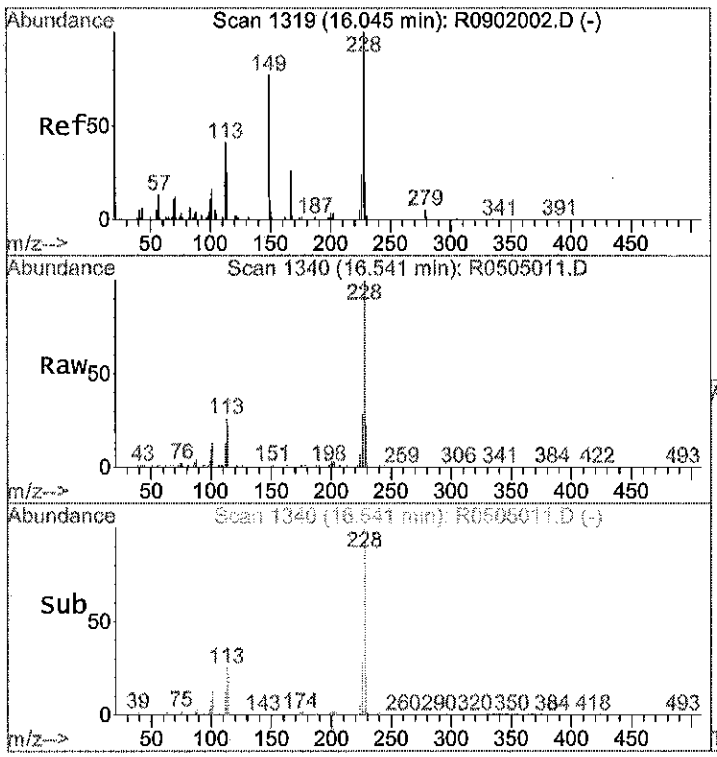


#82
Benzo[a]anthracene
Concen: 6.81 ug/mL
RT: 16.46 min Scan# 1332
Delta R.T. -0.22 min
Lab File: R0505011.D
Acq: 5 May 2023 6:05 pm

Tgt Ion:228 Resp: 904831

Ion	Ratio	Lower	Upper
228	100		
229	23.5	0.0	39.8
226	26.0	4.5	44.5

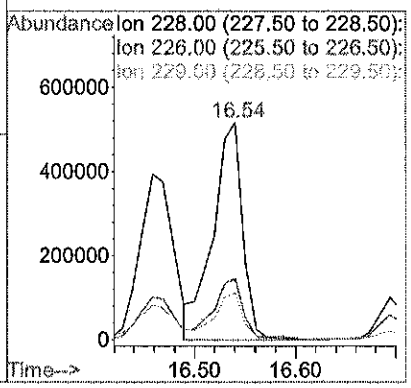


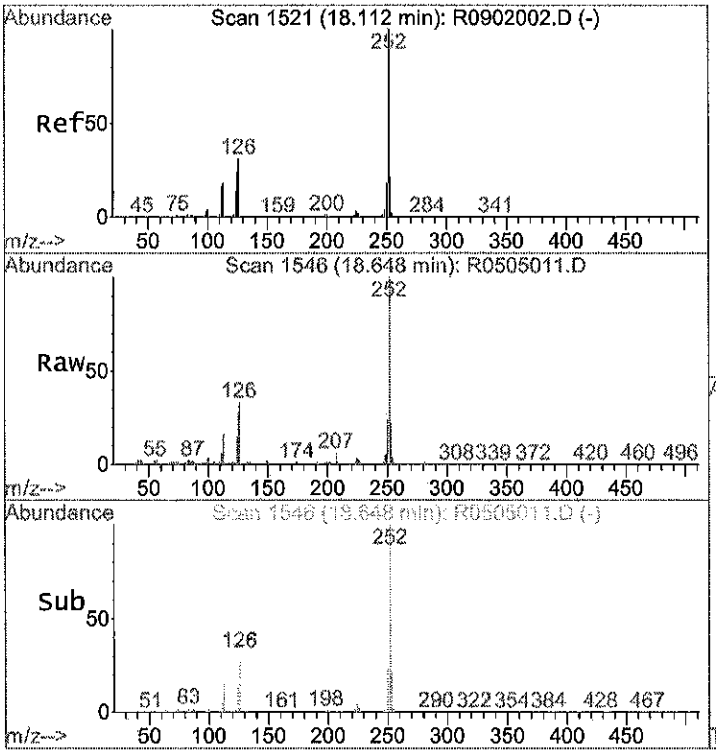


#83
Chrysene
Concen: 8.54 ug/mL m
RT: 16.54 min Scan# 1340
Delta R.T. -0.22 min
Lab File: R0505011.D
Acq: 5 May 2023 6:05 pm

Tgt Ion:228 Resp: 1063873

Ion	Ratio	Lower	Upper
228	100		
226	28.2	7.2	47.2
229	20.9	0.0	39.9

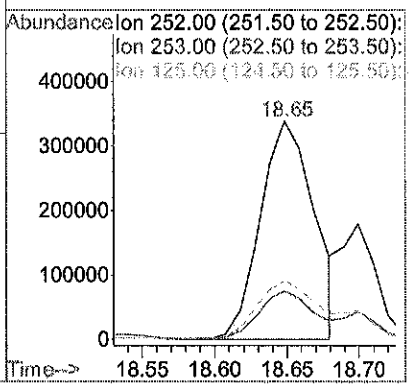


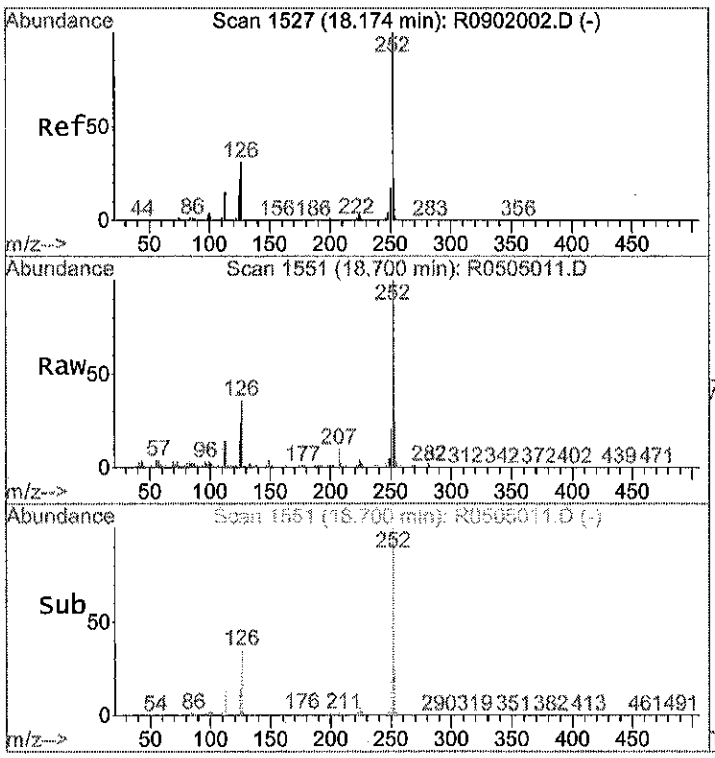


#87
Benzo[b]fluoranthene
Concen: 6.74 ug/mL m
RT: 18.65 min Scan# 1546
Delta R.T. -0.25 min
Lab File: R0505011.D
Acq: 5 May 2023 6:05 pm

Tgt Ion:252 Resp: 878122

Ion	Ratio	Lower	Upper
252	100		
253	22.0	2.2	42.2
125	36.5	0.0	36.9

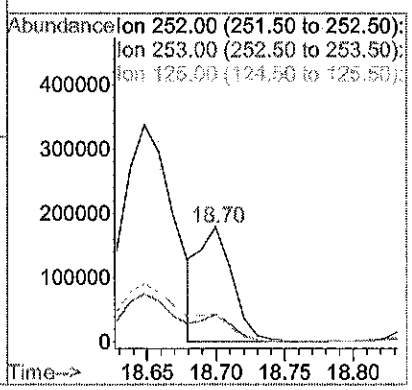


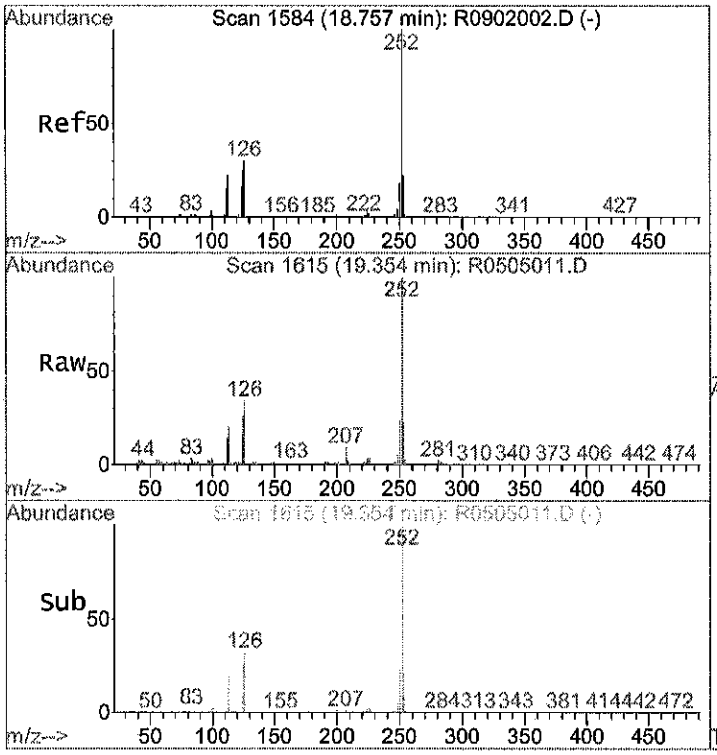


#88
Benzo(j,k)fluoranthene
Concen: 2.39 ug/mL m
RT: 18.70 min Scan# 1551
Delta R.T. -0.26 min
Lab File: R0505011.D
Acq: 5 May 2023 6:05 pm

Tgt Ion:252 Resp: 301747

Ion	Ratio	Lower	Upper
252	100		
253	64.0	2.1	42.1#
125	106.2	0.0	36.9#

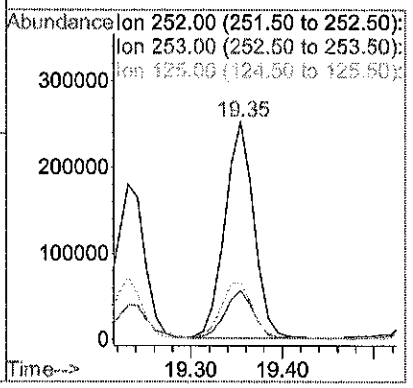


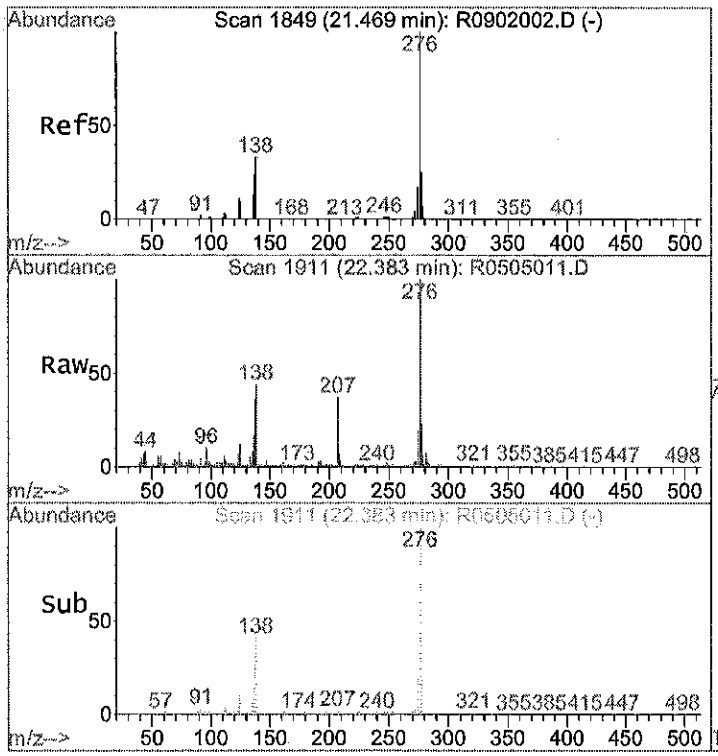


#89
Benzo[a]pyrene
Concen: 4.97 ug/mL
RT: 19.35 min Scan# 1615
Delta R.T. -0.28 min
Lab File: R0505011.D
Acq: 5 May 2023 6:05 pm

Tgt Ion:252 Resp: 556852

Ion	Ratio	Lower	Upper
252	100		
253	22.5	1.9	41.9
125	27.6	0.0	38.4

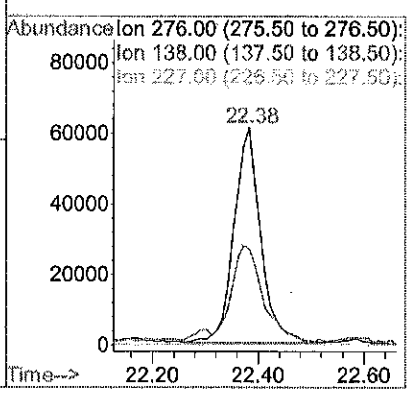


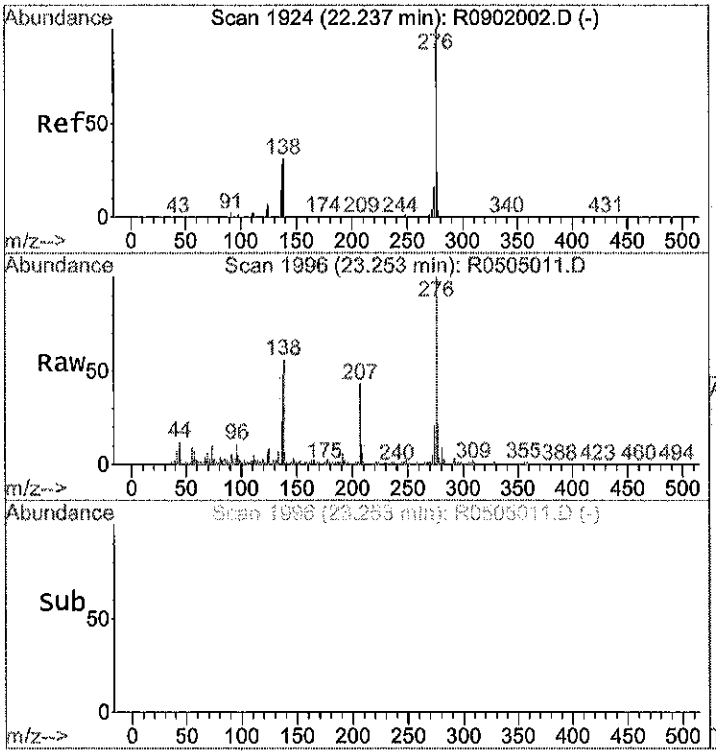


#90
Indeno[1,2,3-cd]pyrene
Concen: 1.89 ug/mL
RT: 22.38 min Scan# 1911
Delta R.T. -0.45 min
Lab File: R0505011.D
Acq: 5 May 2023 6:05 pm

Tgt Ion:276 Resp: 215836

Ion	Ratio	Lower	Upper
276	100		
138	53.3	12.7	52.7#
227	0.1	0.0	20.1

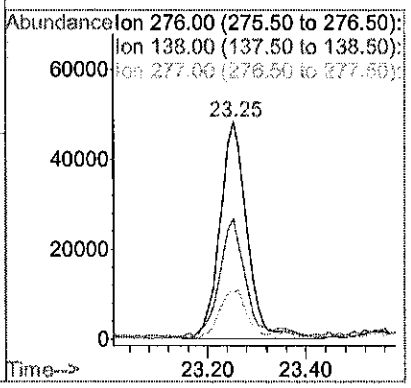




#92
Benzo[g,h,i]perylene
Concen: 1.68 ug/mL
RT: 23.25 min Scan# 1996
Delta R.T. -0.52 min
Lab File: R0505011.D
Acq: 5 May 2023 6:05 pm

Tgt Ion:276 Resp: 183984

Ion	Ratio	Lower	Upper
276	100		
138	51.2	14.8	54.8
277	22.9	3.7	43.7



Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230510\
Data File : J0510003.D
Acq On : 10 May 2023 10:00 am
Operator : JP
Sample : 04-330-05 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 10:30:26 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.142	152	286053	25.00	ug/mL	0.00
20) Naphthalene-d8	7.764	136	1194740	25.00	ug/mL	0.00
36) Acenaphthene-d10	9.991	164	723178	25.00	ug/mL	0.00
62) Phenanthrene-d10	11.888	188	1199390	25.00	ug/mL	0.00
76) Chrysene-d12	16.465	240	1080211	25.00	ug/mL	0.00
87) Perylene-d12	19.497	264	1094531	25.00	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.550	112	43900	2.68	ug/mL	-0.01
Spiked Amount 40.000	Range 21 - 110		Recovery =	6.70%#		
5) Phenol-d6	5.672	99	60209	2.93	ug/mL	-0.01
Spiked Amount 40.000	Range 10 - 110		Recovery =	7.33%#		
21) Nitrobenzene-d5	6.835	82	57903	2.87	ug/mL	-0.01
Spiked Amount 40.000	Range 35 - 114		Recovery =	7.18%#		
41) 2-Fluorobiphenyl	9.109	172	108651	2.92	ug/mL	-0.01
Spiked Amount 40.000	Range 43 - 116		Recovery =	7.30%#		
66) 2,4,6-Tribromophenol	10.978	330	14523	3.14	ug/mL	-0.01
Spiked Amount 40.000	Range 10 - 123		Recovery =	7.85%#		
79) Terphenyl-d14	14.374	244	134820	3.12	ug/mL	-0.01
Spiked Amount 40.000	Range 33 - 141		Recovery =	7.80%#		
Target Compounds						Qvalue
71) Phenanthrene	11.918	178	486259	9.13	ug/mL	98
72) Anthracene	11.982	178	273682	5.18	ug/mL	98
75) Fluoranthene	13.733	202	1064957	18.12	ug/mL	86
78) Pyrene	14.133	202	721559	12.16	ug/mL	86
83) Benzo[a]anthracene	16.436	228	366510	6.57	ug/mL	95
84) Chrysene	16.513	228	383905	7.78	ug/mL	96
88) Benzo[b]fluoranthene	18.634	252	338121	6.24	ug/mL	91

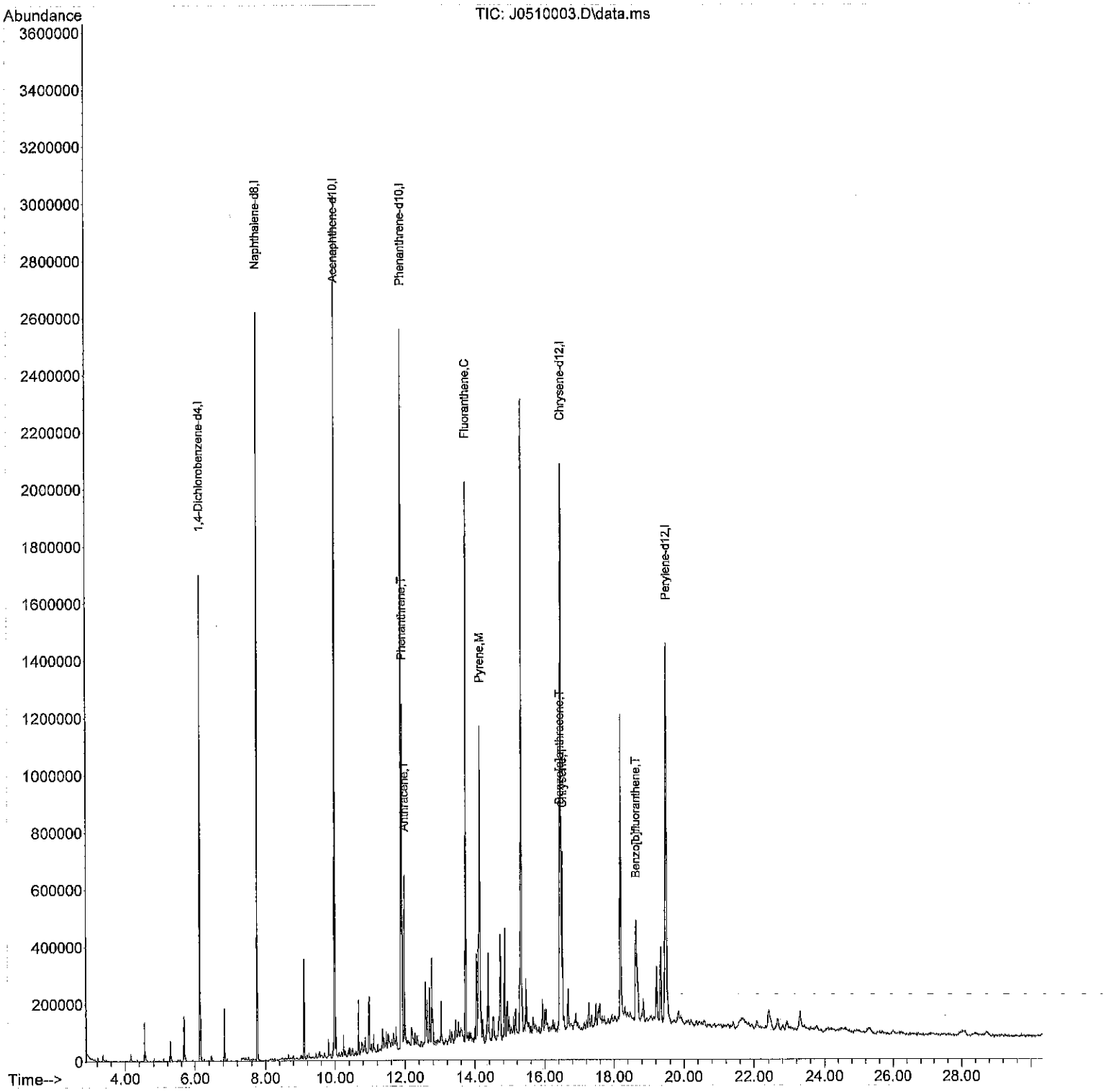
(#) = qualifier out of range (m) = manual integration (+) = signals summed

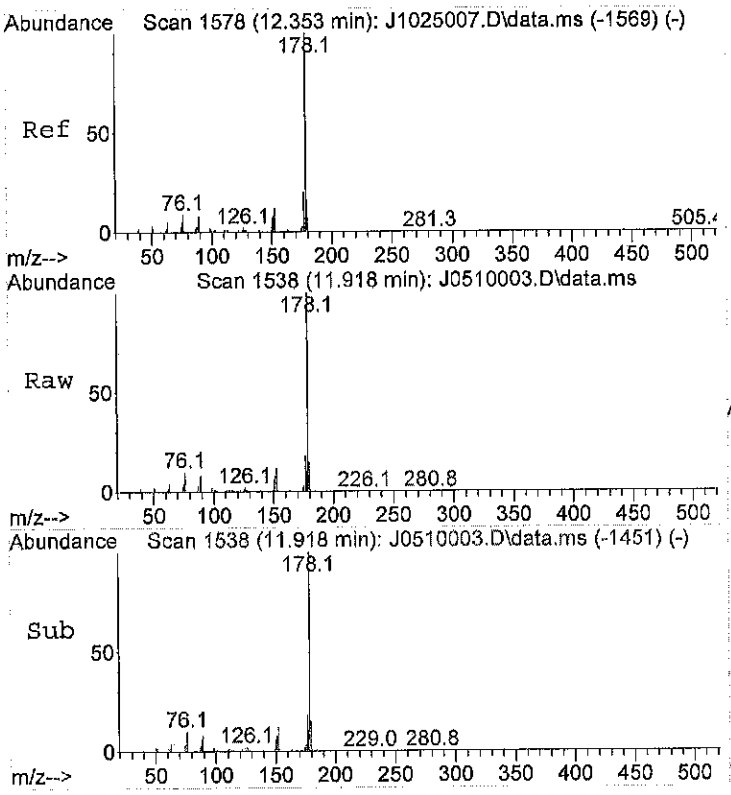
JP 6/2/23

Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230510\
Data File : J0510003.D
Acq On : 10 May 2023 10:00 am
Operator : JP
Sample : 04-330-05 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 10:30:26 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration

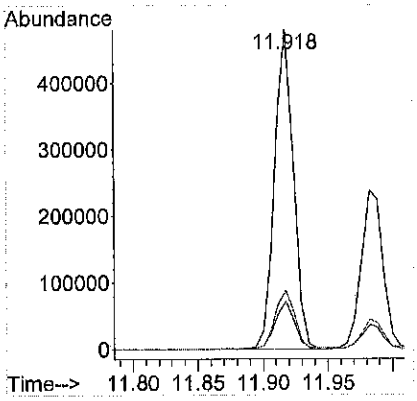


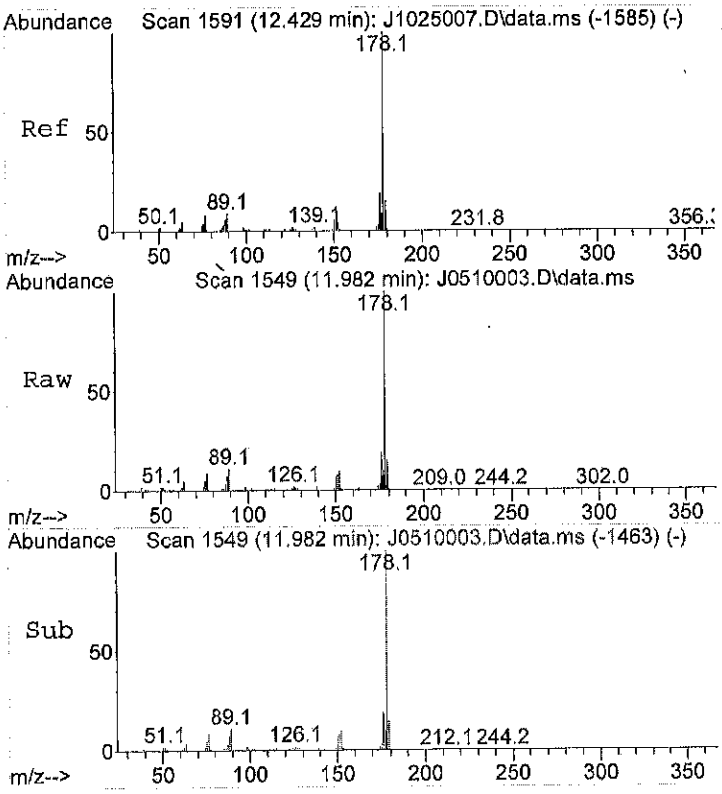


#71
Phenanthrene
Concen: 9.13 ug/mL
RT: 11.918 min Scan# 1538
Delta R.T. -0.006 min
Lab File: J0510003.D
Acq: 10 May 2023 10:00 am

Tgt Ion:178 Resp: 486259

Ion	Ratio	Lower	Upper
178	100		
179	16.5	0.0	35.6
176	19.2	0.0	38.1

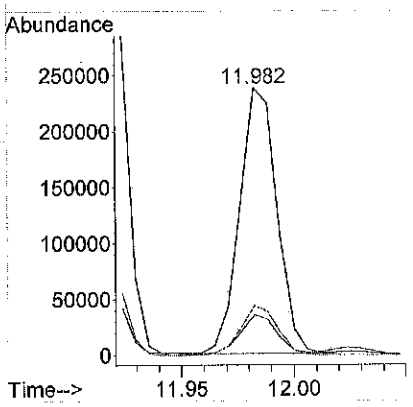


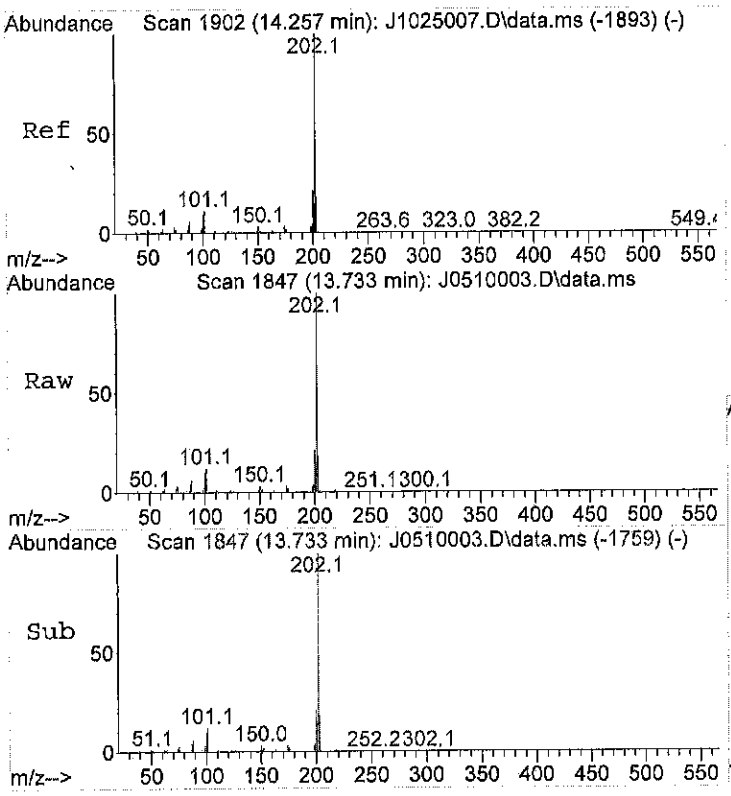


#72
Anthracene
Concen: 5.18 ug/mL
RT: 11.982 min Scan# 1549
Delta R.T. -0.012 min
Lab File: J0510003.D
Acq: 10 May 2023 10:00 am

Tgt Ion:178 Resp: 273682

Ion	Ratio	Lower	Upper
178	100		
179	14.6	0.0	35.2
176	18.4	0.0	37.2

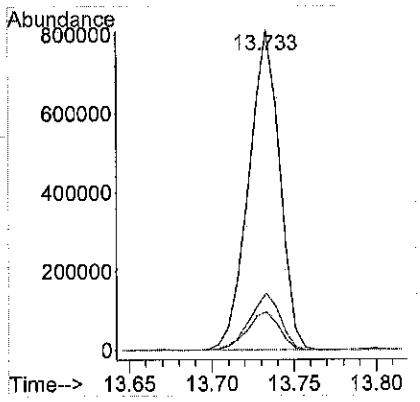


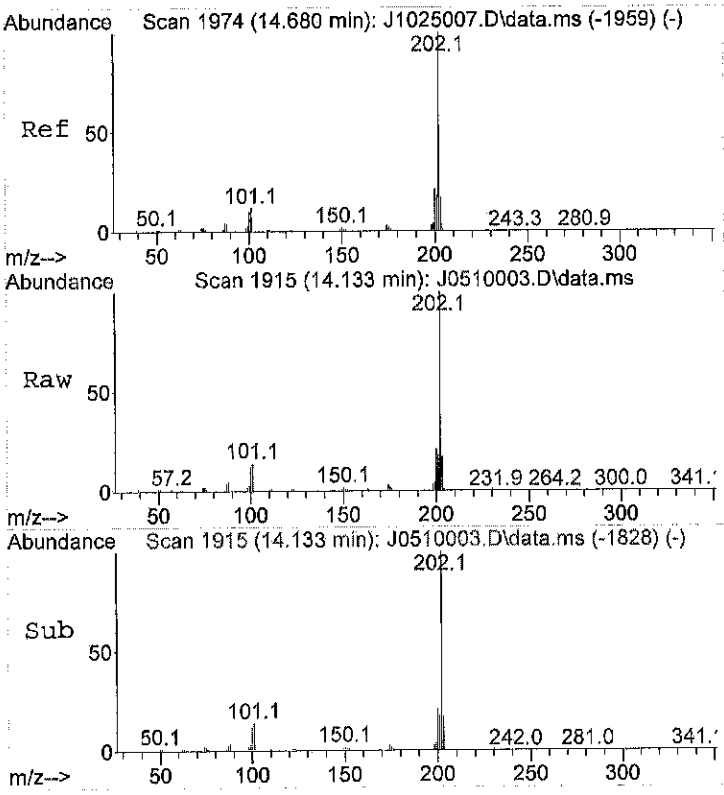


#75
Fluoranthene
Concen: 18.12 ug/mL
RT: 13.733 min Scan# 1847
Delta R.T. 0.000 min
Lab File: J0510003.D
Acq: 10 May 2023 10:00 am

Tgt Ion:202 Resp: 1064957

Ion	Ratio	Lower	Upper
202	100		
101	12.5	4.2	44.2
203	17.7	0.0	37.2

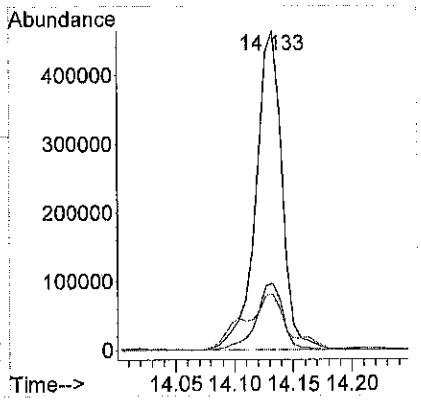


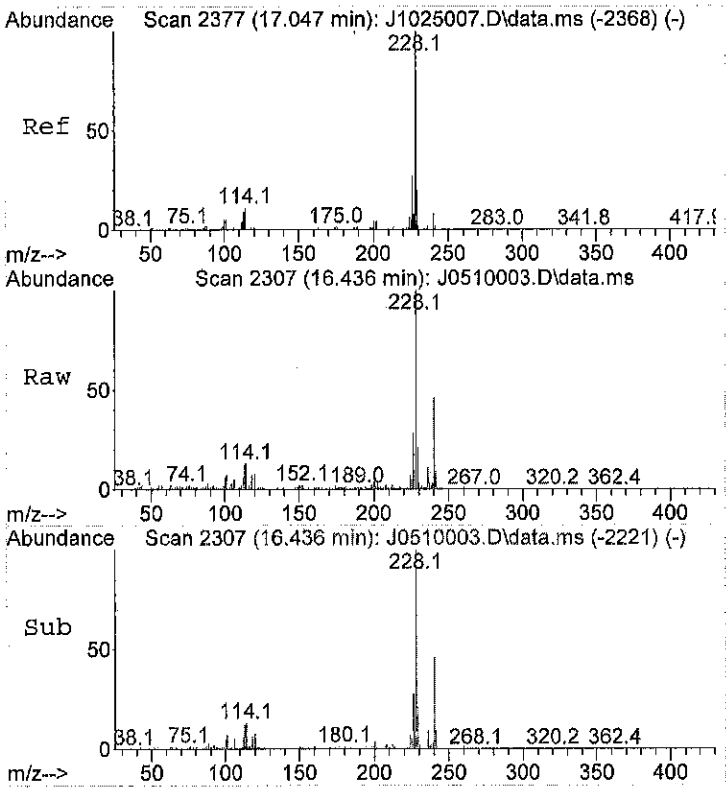


#78
Pyrene
Concen: 12.16 ug/mL
RT: 14.133 min Scan# 1915
Delta R.T. -0.006 min
Lab File: J0510003.D
Acq: 10 May 2023 10:00 am

Tgt Ion:202 Resp: 721559

Ion	Ratio	Lower	Upper
202	100		
200	21.4	0.0	39.4
203	28.4	0.0	37.7

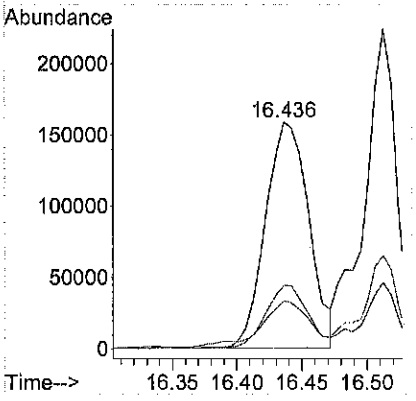


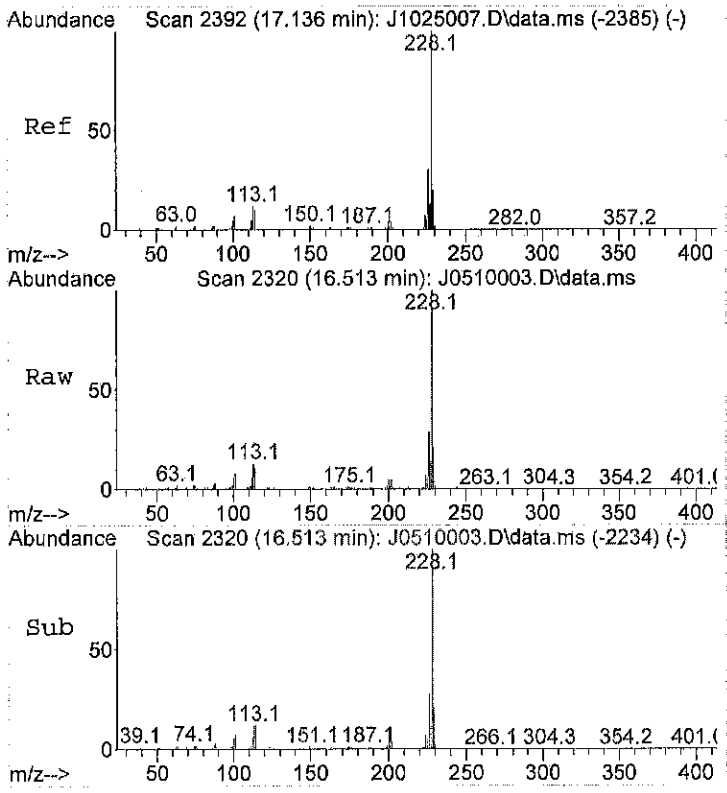


#83
Benzo[a]anthracene
Concen: 6.57 ug/mL
RT: 16.436 min Scan# 2307
Delta R.T. -0.012 min
Lab File: J0510003.D
Acq: 10 May 2023 10:00 am

Tgt Ion:228 Resp: 366510

Ion	Ratio	Lower	Upper
228	100		
229	23.4	0.0	39.6
226	27.3	6.2	46.2

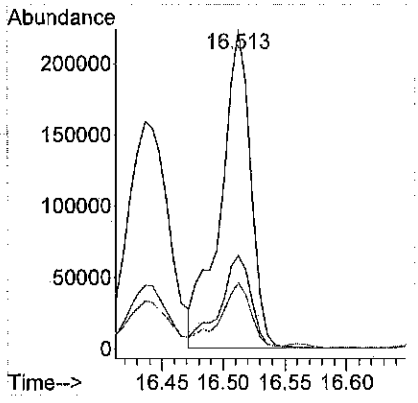


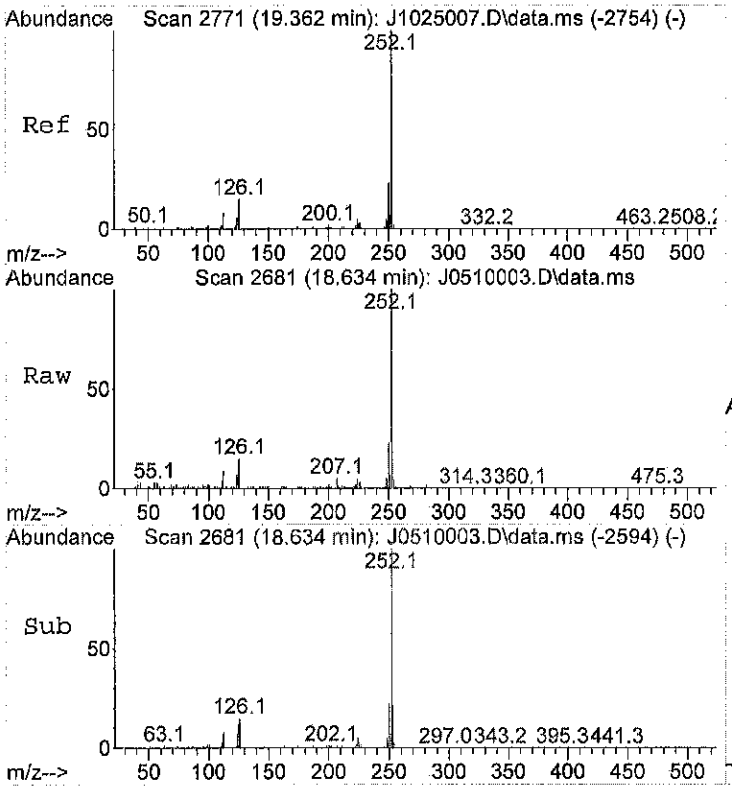


#84
Chrysene
Concen: 7.78 ug/mL
RT: 16.513 min Scan# 2320
Delta R.T. -0.012 min
Lab File: J0510003.D
Acq: 10 May 2023 10:00 am

Tgt Ion:228 Resp: 383905

Ion	Ratio	Lower	Upper
228	100		
226	30.5	8.3	48.3
229	21.2	0.0	39.0

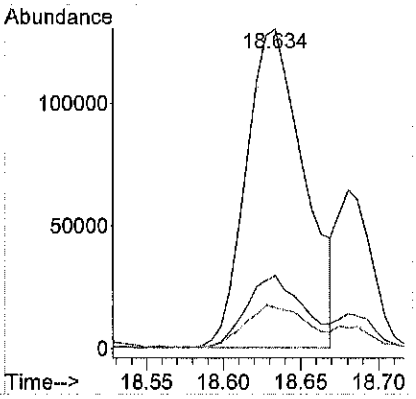




#88
Benzo[b]fluoranthene
Concen: 6.24 ug/mL
RT: 18.634 min Scan# 2681
Delta R.T. -0.006 min
Lab File: J0510003.D
Acq: 10 May 2023 10:00 am

Tgt Ion:252 Resp: 338121

Ion	Ratio	Lower	Upper
252	100		
253	21.5	1.7	41.7
125	14.1	2.4	42.4



Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Corey\DATA\C230505\
Data File : C0505013.D
Acq On : 5 May 2023 6:11 pm
Operator : JP
Sample : 04-330-05 20X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 05 18:25:51 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Thu May 04 10:12:53 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	3.885	136	197793	2000.00	ppb	0.00
5) Acenaphthene-d10	5.121	164	99037	2000.00	ppb	0.00
9) Phenanthrene-d10	6.141	188	177814	2000.00	ppb	0.00
16) Chrysene-d12	8.204	240	143013	2000.00	ppb	-0.01
20) Perylene-d12	9.637	264	153803	2000.00	ppb	0.00
System Monitoring Compounds						
6) 2-Fluorobiphenyl	4.672	172	127117	1312.65	ppb	0.00
Spiked Amount 1000.000	Range 25 - 89		Recovery = 131.27%#			
10) Pyrene-d10	7.212	212	2866	29.38	ppb	0.06
Spiked Amount 1000.000	Range 40 - 110		Recovery = 2.94%#			
17) Terphenyl-d14	7.299	244	102262	1541.33	ppb	-0.02
Spiked Amount 1000.000	Range 39 - 92		Recovery = 154.13%#			
Target Compounds						Qvalue
2) Naphthalene	3.900	128	8094	62.63	ppb	98
3) 2-Methylnaphthalene	4.399	142	3695	44.22	ppb	99
4) 1-Methylnaphthalene	4.469	142	3799	48.19	ppb	95
7) Acenaphthylene	5.021	152	43821	331.73	ppb	100
8) Acenaphthene	5.144	153	37956	459.75	ppb	100
11) Fluorene	5.506	166	67138	731.88	ppb	100
12) Phenanthrene	6.159	178	450801	3500.63	ppb	92
13) Anthracene	6.194	178	315589	2365.77	ppb	99
14) Fluoranthene	6.982	202	892154	6170.27	ppb	87
15) Pyrene	7.145	202	676717	4728.00	ppb	95
18) Benzo[a]anthracene	8.192	228	413385	3631.44	ppb	95
19) Chrysene	8.227	228	382510	2893.52	ppb	90
21) Benzo[b]fluoranthene	9.265	252	508119	3513.86	ppb	86
22) Benzo(j,k)fluoranthene	9.265	252	508119	3819.23	ppb	85
23) Benzo[a]pyrene	9.579	252	244548	1971.60	ppb	88
24) Indeno(1,2,3-c,d)pyrene	10.636	276	100419	752.90	ppb	65
25) Dibenz[a,h]anthracene	10.660	278	28684	222.25	ppb	65
26) Benzo[g,h,i]perylene	10.876	276	84817	616.27	ppb	76

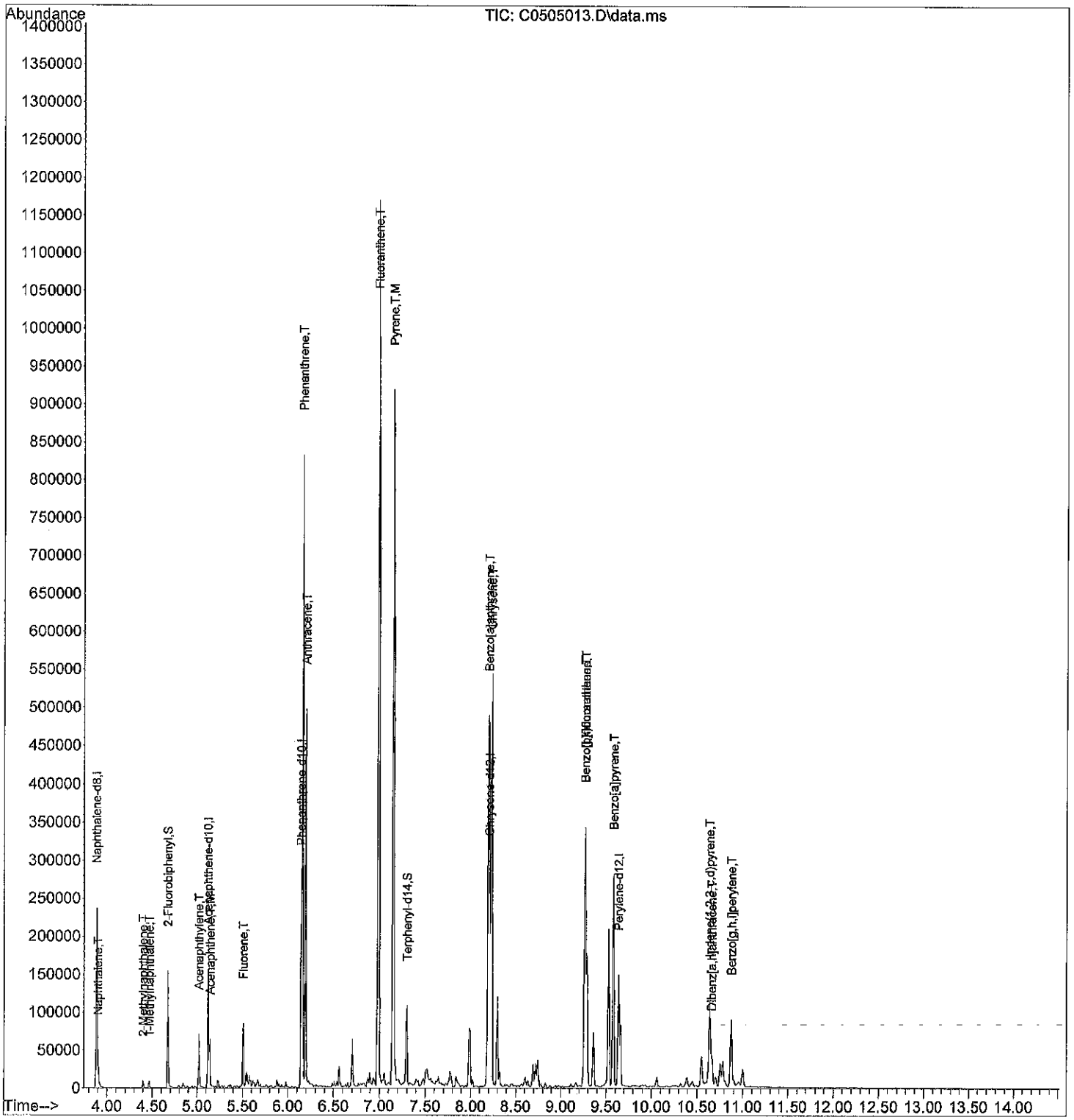
(#) = qualifier out of range (m) = manual integration (+) = signals summed

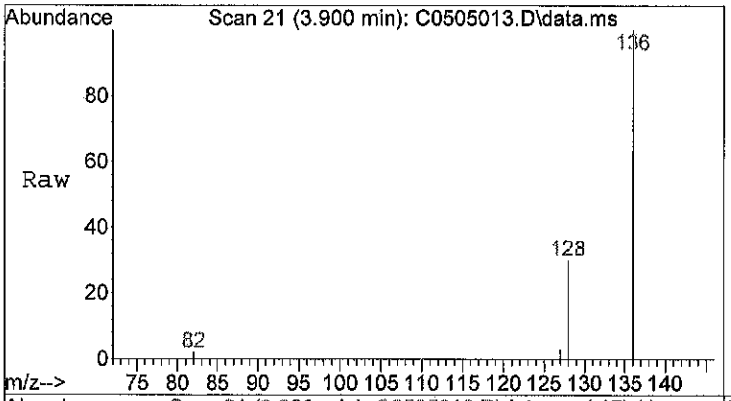
6/2/23

Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Corey\DATA\C230505\
Data File : C0505013.D
Acq On : 5 May 2023 6:11 pm
Operator : JP
Sample : 04-330-05 20X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 05 18:25:51 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Thu May 04 10:12:53 2023
Response via : Initial Calibration

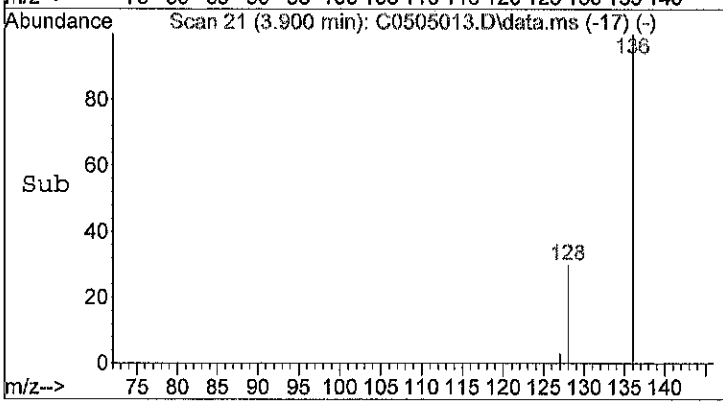


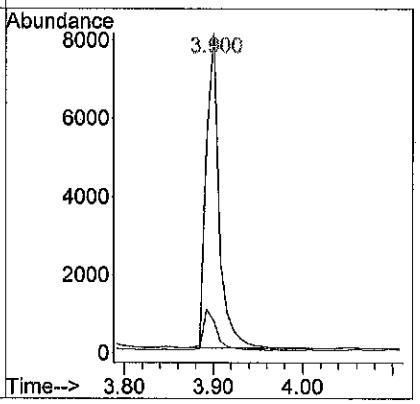


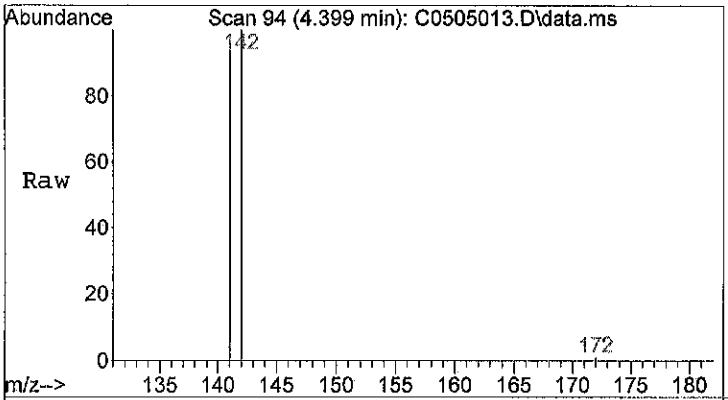
#2
Naphthalene
Concen: 62.63 ppb
RT: 3.900 min Scan# 21
Delta R.T. 0.195 min
Lab File: C0505013.D
Acq: 5 May 23 6:11 pm

Tgt Ion:128 Resp: 8094

Ion	Ratio	Lower	Upper
128	100		
127	13.1	0.0	32.5



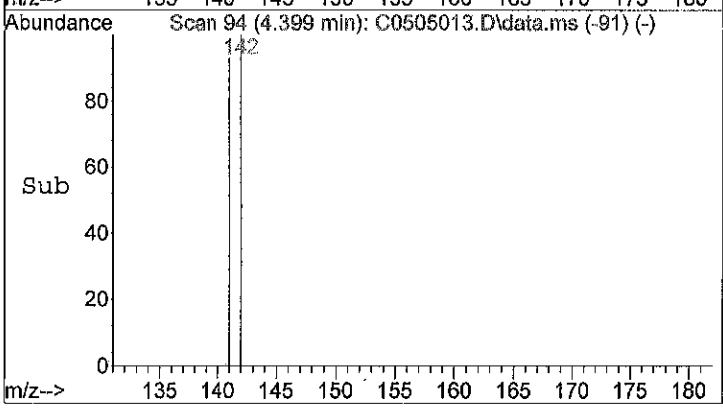


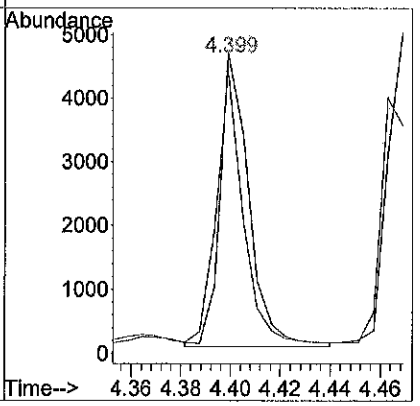


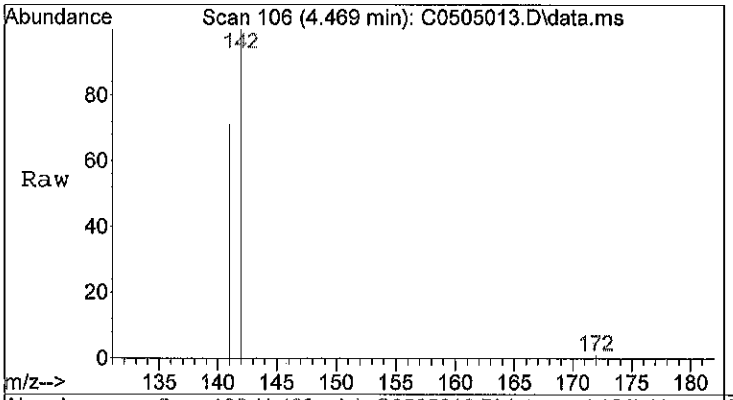
#3
2-Methylnaphthalene
Concen: 44.22 ppb
RT: 4.399 min Scan# 94
Delta R.T. 0.191 min
Lab File: C0505013.D
Acq: 5 May 23 6:11 pm

Tgt Ion:142 Resp: 3695

Ion	Ratio	Lower	Upper
142	100		
141	86.6	65.3	105.3



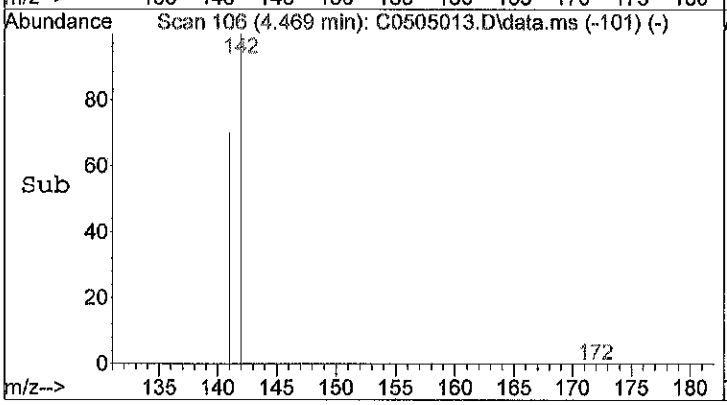


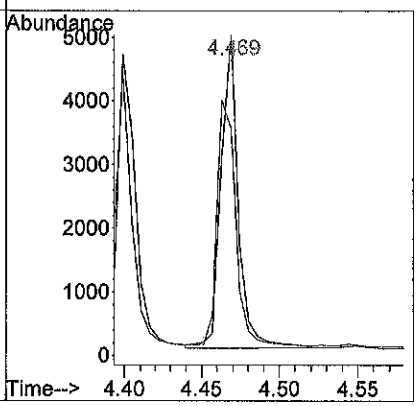


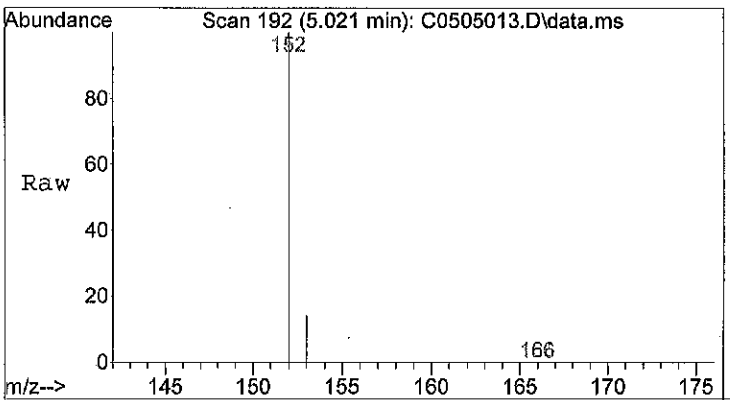
#4
1-Methylnaphthalene
Concen: 48.19 ppb
RT: 4.469 min Scan# 106
Delta R.T. 0.191 min
Lab File: C0505013.D
Acq: 5 May 23 6:11 pm

Tgt Ion:142 Resp: 3799

Ion	Ratio	Lower	Upper
142	100		
141	83.5	68.5	108.5

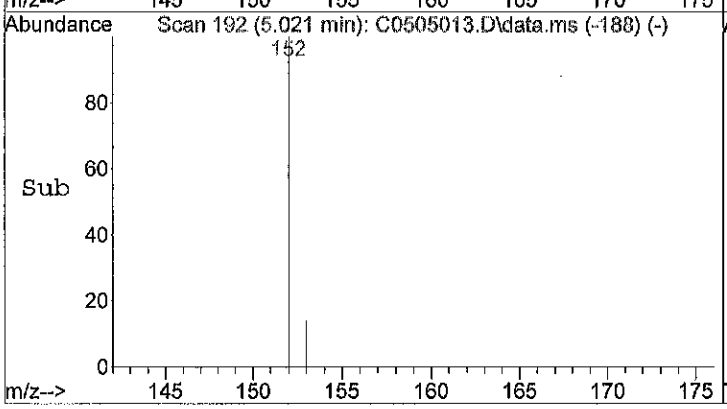


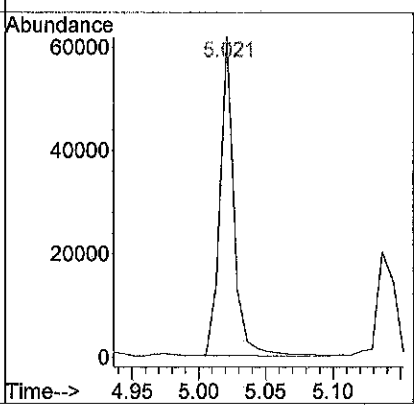


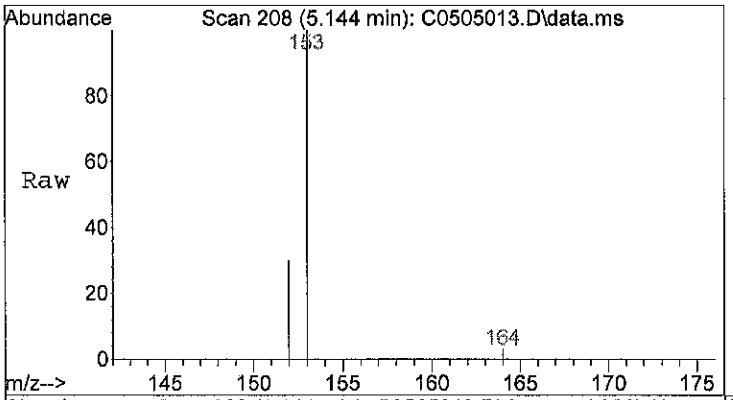


#7
Acenaphthylene
Concen: 331.73 ppb
RT: 5.021 min Scan# 192
Delta R.T. 0.196 min
Lab File: C0505013.D
Acq: 5 May 23 6:11 pm

Tgt Ion:152 Resp: 43821

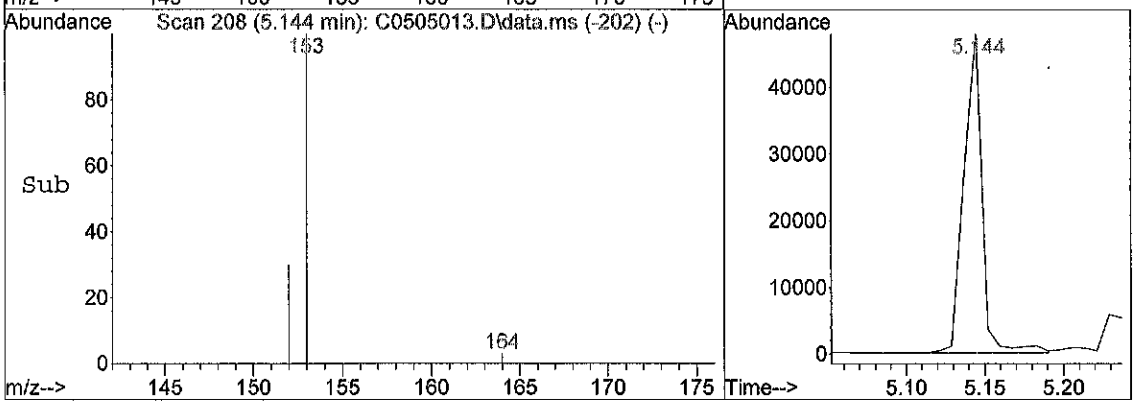


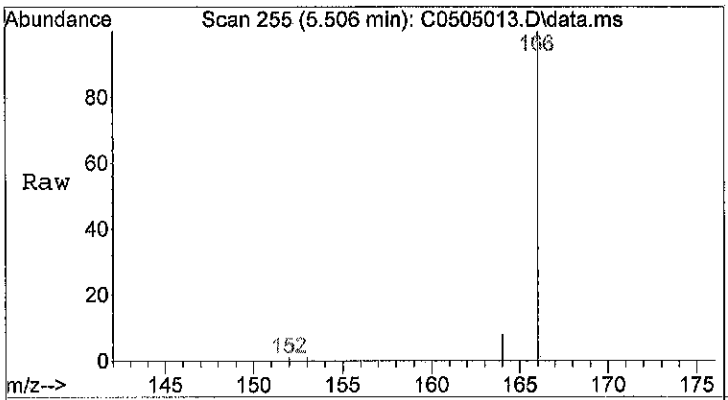




#8
Acenaphthene
Concen: 459.75 ppb
RT: 5.144 min Scan# 208
Delta R.T. 0.196 min
Lab File: C0505013.D
Acq: 5 May 23 6:11 pm

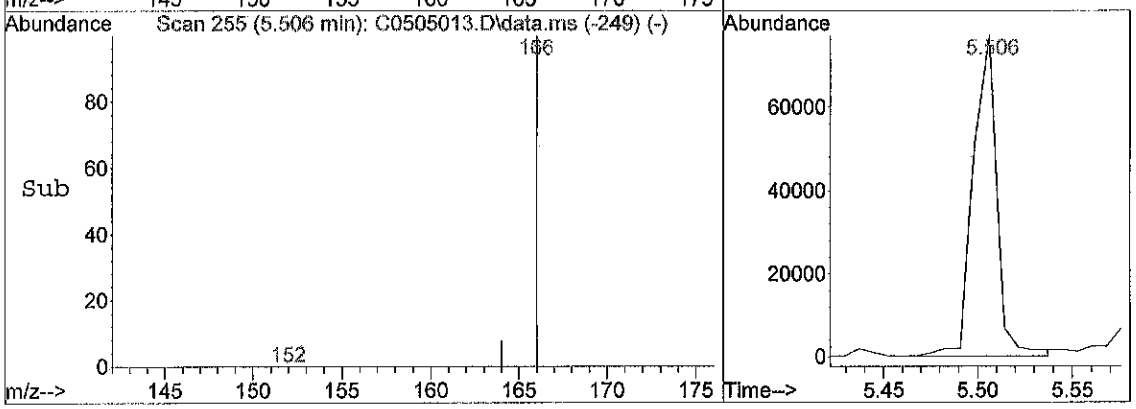
Tgt Ion:153 Resp: 37956

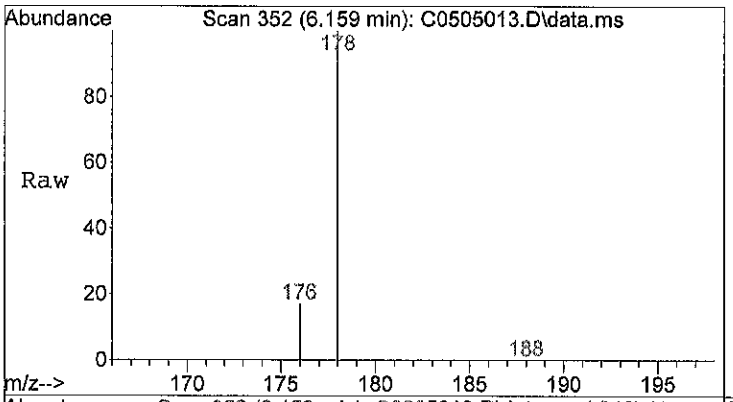




#11
Fluorene
Concen: 731.88 ppb
RT: 5.506 min Scan# 255
Delta R.T. 0.196 min
Lab File: C0505013.D
Acq: 5 May 23 6:11 pm

Tgt Ion:166 Resp: 67138

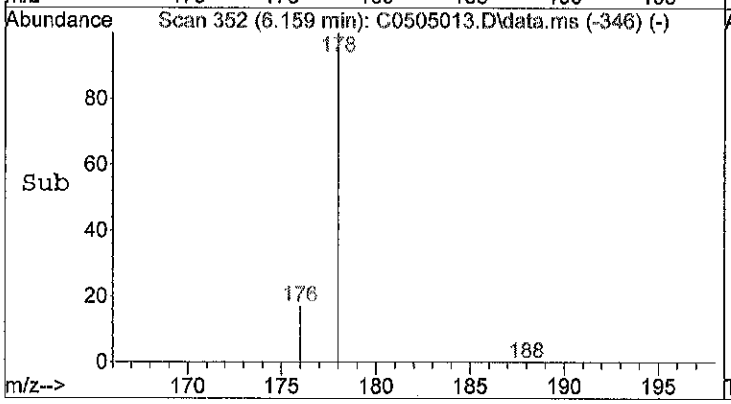


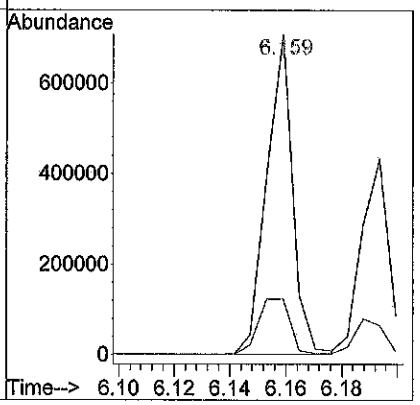


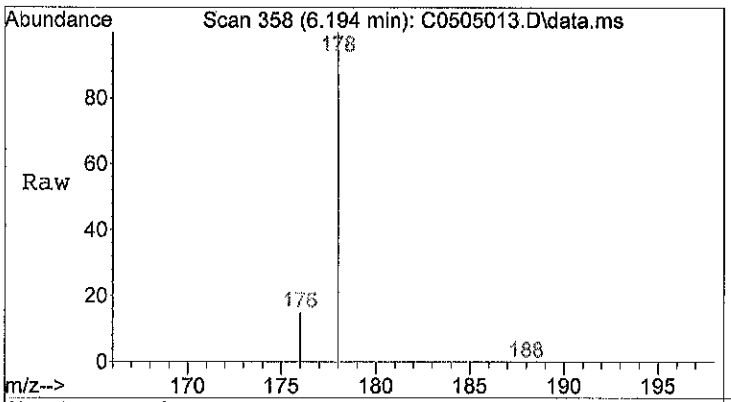
#12
Phenanthrene
Concen: 3500.63 ppb
RT: 6.159 min Scan# 352
Delta R.T. 0.199 min
Lab File: C0505013.D
Acq: 5 May 23 6:11 pm

Tgt Ion:178 Resp: 450801

Ion	Ratio	Lower	Upper
178	100		
176	21.6	0.0	38.2



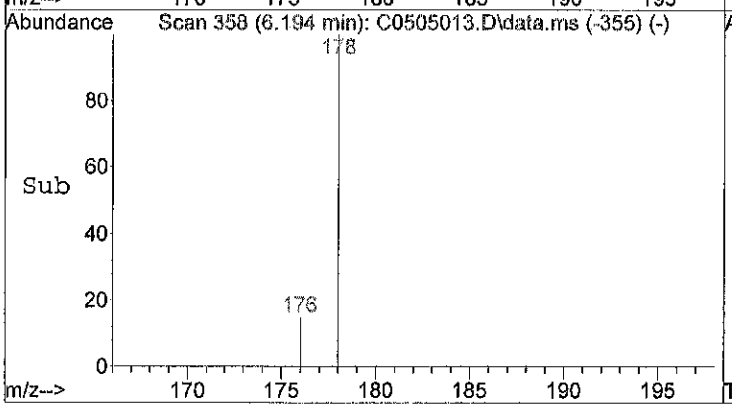


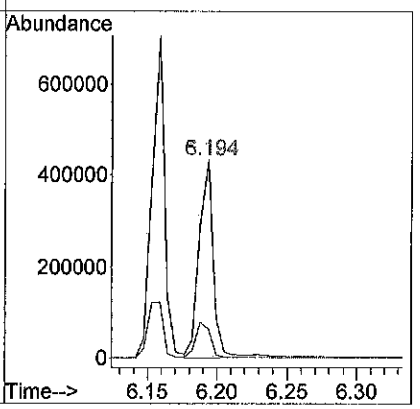


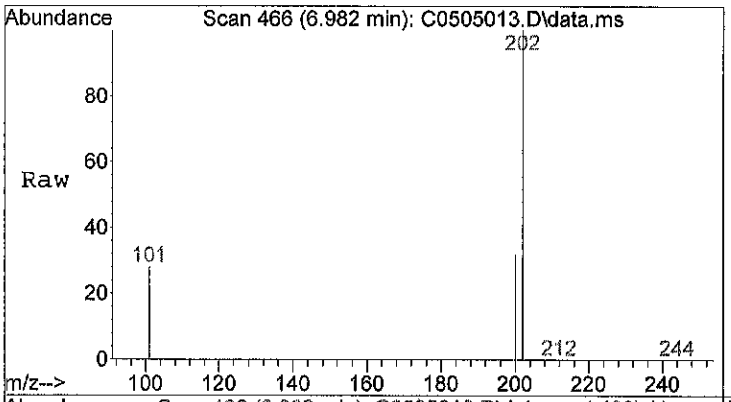
#13
Anthracene
Concen: 2365.77 ppb
RT: 6.194 min Scan# 358
Delta R.T. 0.199 min
Lab File: C0505013.D
Acq: 5 May 23 6:11 pm

Tgt Ion:178 Resp: 315589

Ion	Ratio	Lower	Upper
178	100		
176	18.3	0.0	37.7



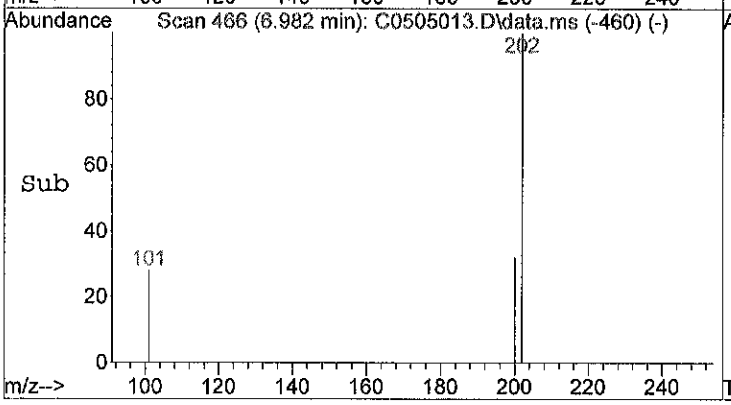


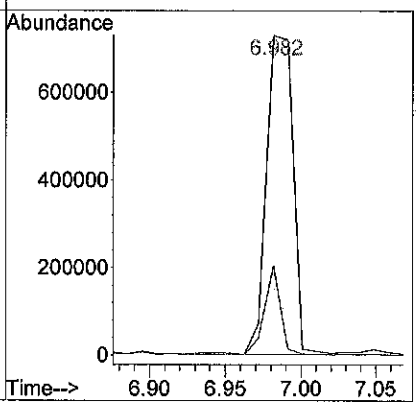


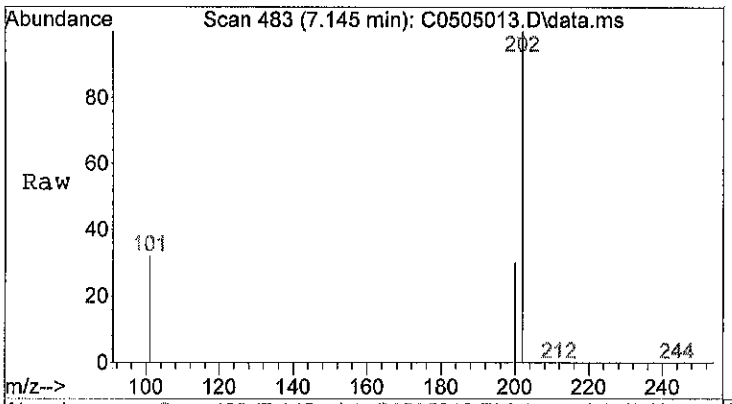
#14
Fluoranthene
Concen: 6170.27 ppb
RT: 6.982 min Scan# 466
Delta R.T. 0.210 min
Lab File: C0505013.D
Acq: 5 May 23 6:11 pm

Tgt Ion:202 Resp: 892154

Ion	Ratio	Lower	Upper
202	100		
101	16.7	0.0	31.5



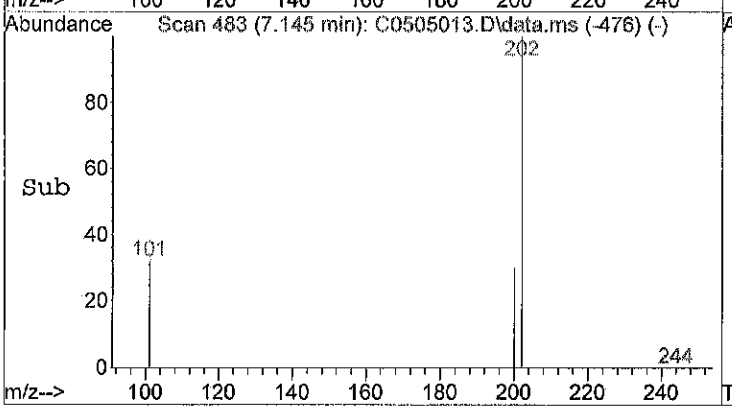


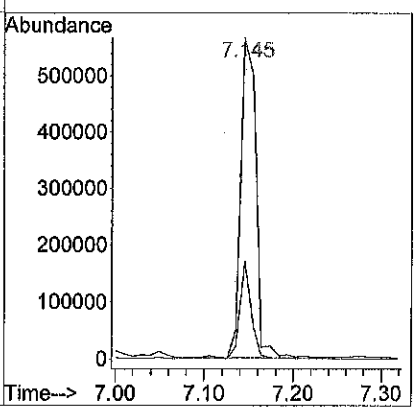


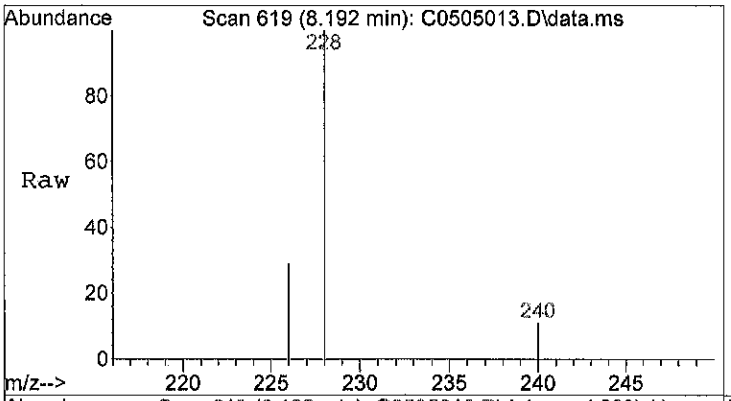
#15
Pyrene
Concen: 4728.00 ppb
RT: 7.145 min Scan# 483
Delta R.T. 0.219 min
Lab File: C0505013.D
Acq: 5 May 23 6:11 pm

Tgt Ion:202 Resp: 676717

Ion	Ratio	Lower	Upper
202	100		
200	22.2	0.0	39.9



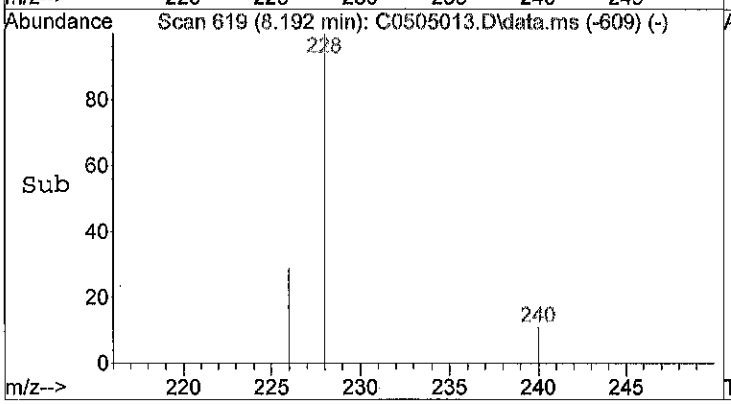


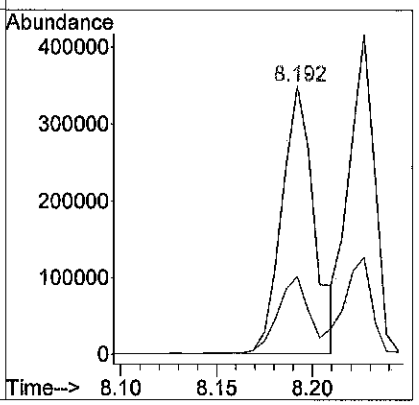


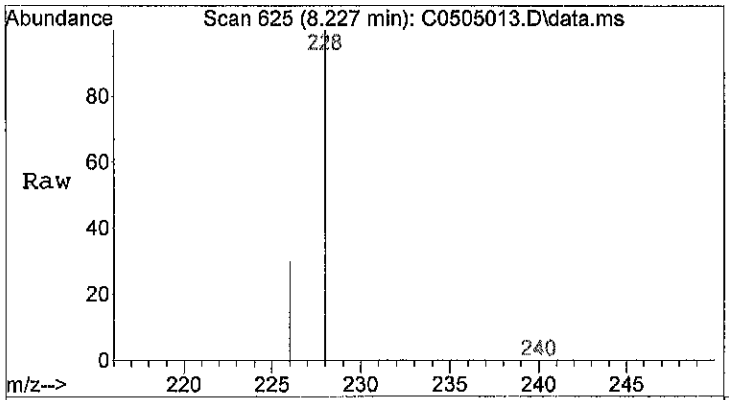
#18
Benzo[a]anthracene
Concen: 3631.44 ppb
RT: 8.192 min Scan# 619
Delta R.T. 0.280 min
Lab File: C0505013.D
Acq: 5 May 23 6:11 pm

Tgt Ion:228 Resp: 413385

Ion	Ratio	Lower	Upper
228	100		
226	27.9	5.3	45.3



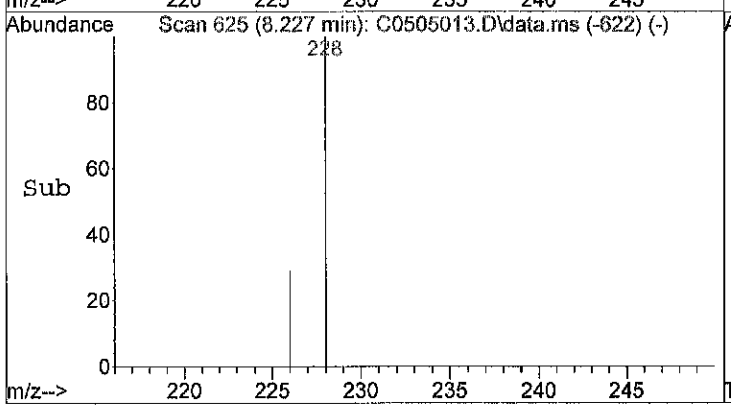


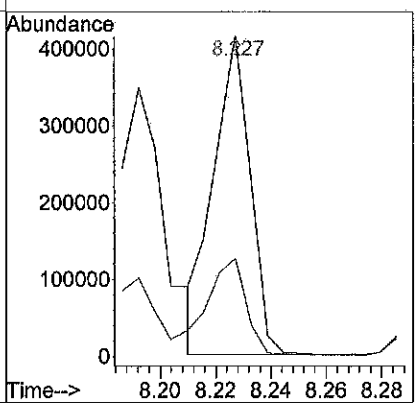


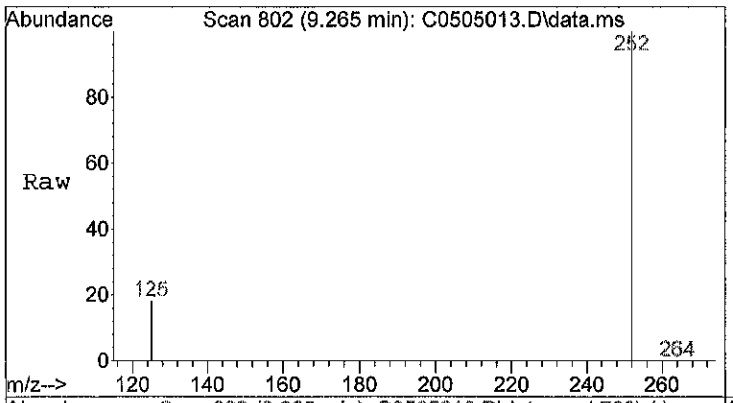
#19
Chrysene
Concen: 2893.52 ppb
RT: 8.227 min Scan# 625
Delta R.T. 0.286 min
Lab File: C0505013.D
Acq: 5 May 23 6:11 pm

Tgt Ion:228 Resp: 382510

Ion	Ratio	Lower	Upper
228	100		
226	34.0	8.7	48.7



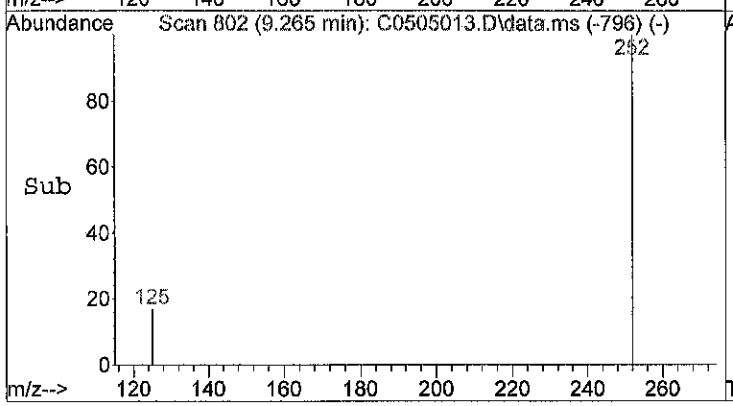


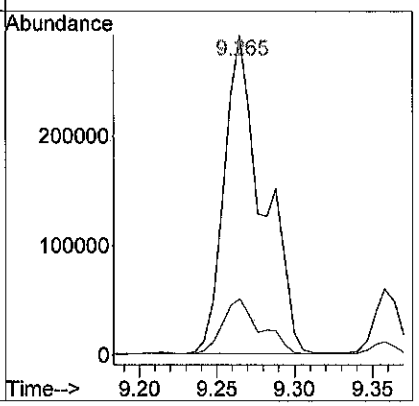


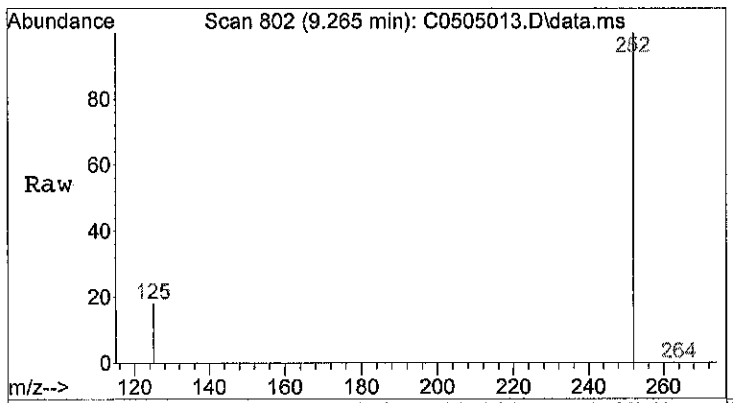
#21
Benzo[b]fluoranthene
Concen: 3513.86 ppb
RT: 9.265 min Scan# 802
Delta R.T. 0.321 min
Lab File: C0505013.D
Acq: 5 May 23 6:11 pm

Tgt Ion:252 Resp: 508119

Ion	Ratio	Lower	Upper
252	100		
125	16.9	0.0	31.5



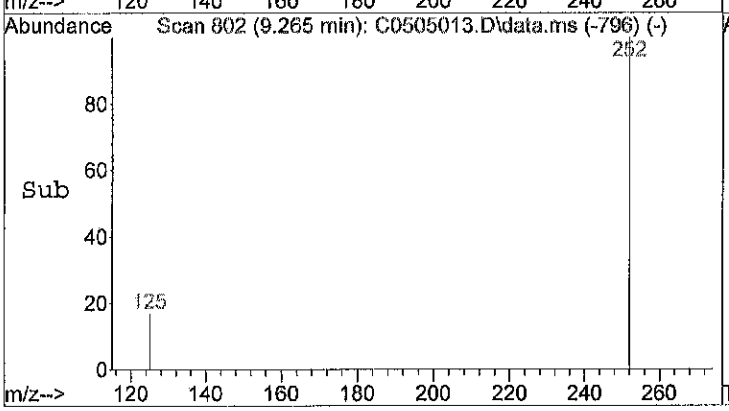


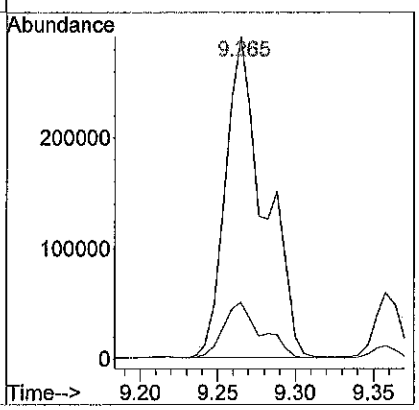


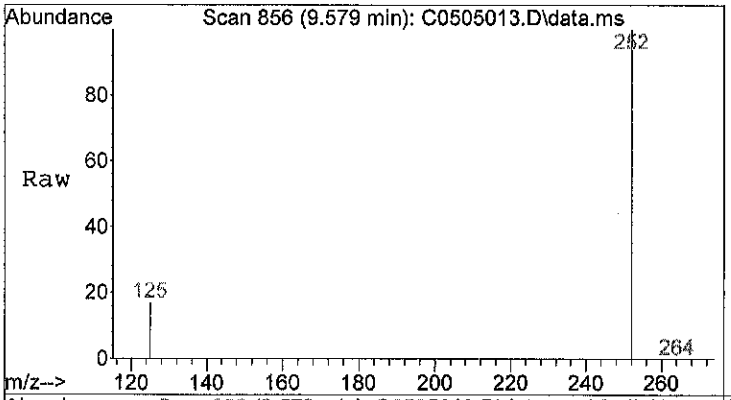
#22
Benzo(j,k)fluoranthene
Concen: 3819.23 ppb
RT: 9.265 min Scan# 802
Delta R.T. 0.292 min
Lab File: C0505013.D
Acq: 5 May 23 6:11 pm

Tgt Ion:252 Resp: 508119

Ion	Ratio	Lower	Upper
252	100		
125	16.9	0.0	31.2



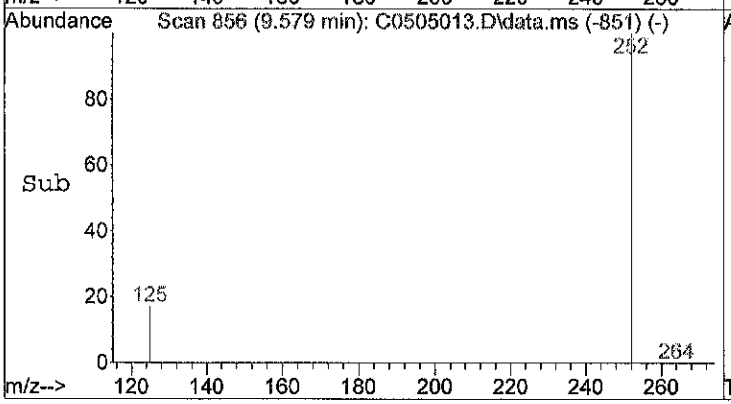


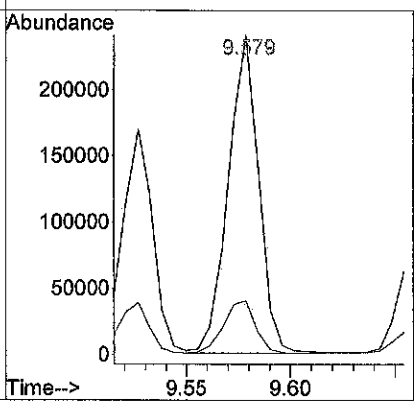


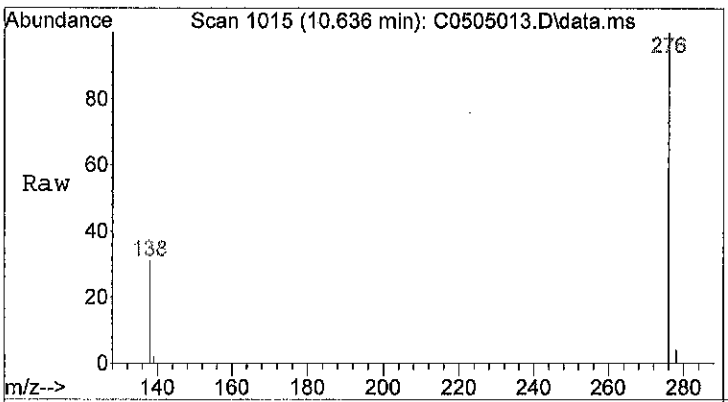
#23
Benzo[a]pyrene
Concen: 1971.60 ppb
RT: 9.579 min Scan# 856
Delta R.T. 0.327 min
Lab File: C0505013.D
Acq: 5 May 23 6:11 pm

Tgt Ion:252 Resp: 244548

Ion	Ratio	Lower	Upper
252	100		
125	17.2	0.0	32.5



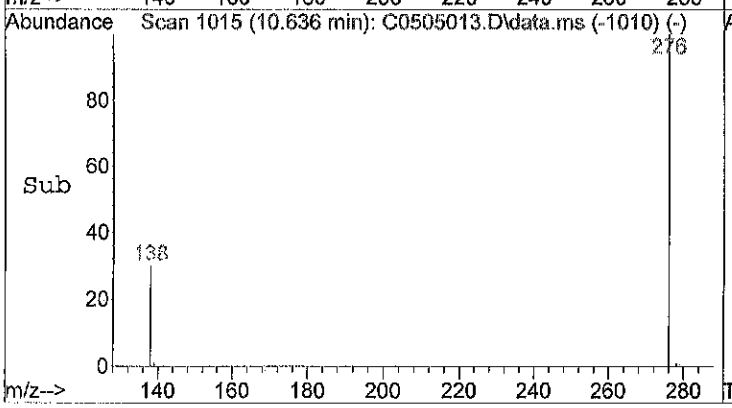


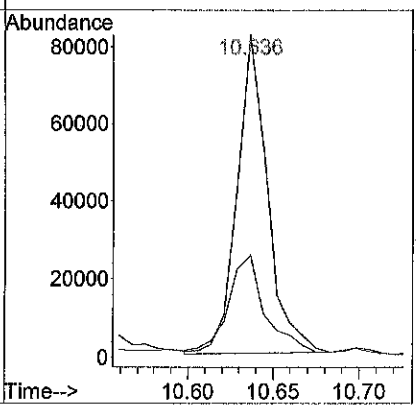


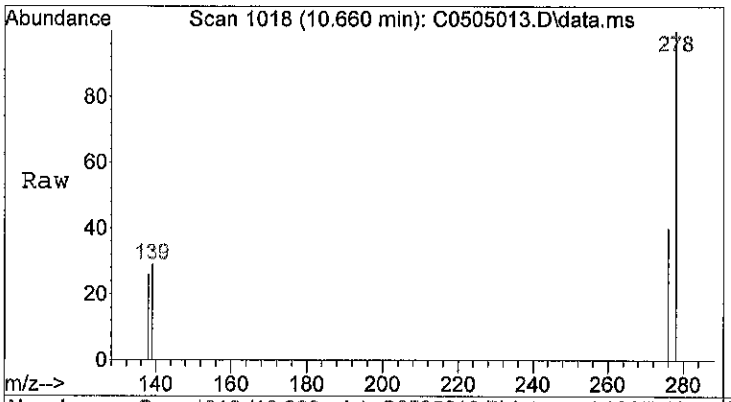
#24
Indeno(1,2,3-c,d)pyrene
Concen: 752.90 ppb
RT: 10.636 min Scan# 1015
Delta R.T. 0.342 min
Lab File: C0505013.D
Acq: 5 May 23 6:11 pm

Tgt Ion:276 Resp: 100419

Ion	Ratio	Lower	Upper
276	100		
138	39.1	2.5	42.5



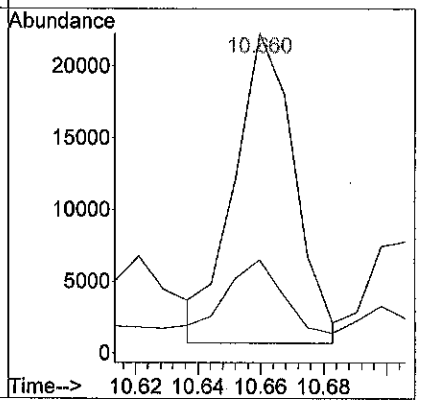


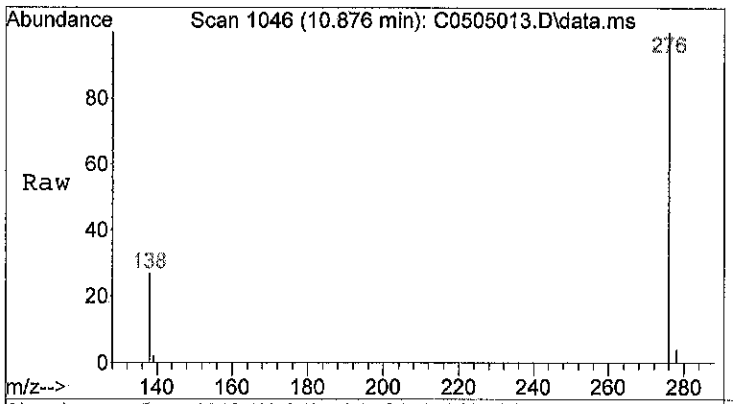


#25
Dibenz[a,h]anthracene
Concen: 222.25 ppb
RT: 10.660 min Scan# 1018
Delta R.T. 0.334 min
Lab File: C0505013.D
Acq: 5 May 23 6:11 pm

Tgt Ion:278 Resp: 28684

Ion	Ratio	Lower	Upper
278	100		
139	35.1	0.0	39.1

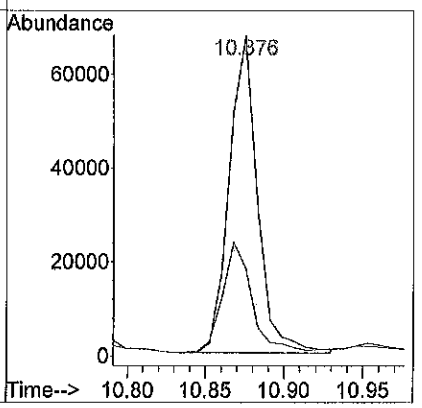




#26
Benzo[g,h,i]perylene
Concen: 616.27 ppb
RT: 10.876 min Scan# 1046
Delta R.T. 0.357 min
Lab File: C0505013.D
Acq: 5 May 23 6:11 pm

Tgt Ion:276 Resp: 84817

Ion	Ratio	Lower	Upper
276	100		
138	35.9	4.1	44.1



Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230505\R0505010.D Vial: 10
Acq On : 5 May 2023 5:20 pm Operator: JP
Sample : MB0503S3 Inst : Ralph
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 8 14:42 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230410

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.21	152	1164287	25.00	ug/mL	-0.14
20) Naphthalene-d8	7.83	136	4108417	25.00	ug/mL	-0.14
35) Acenaphthene-d10	10.05	164	2129574	25.00	ug/mL	-0.14
61) Phenanthrene-d10	11.93	188	3104762	25.00	ug/mL	-0.15
75) Chrysene-d12	16.48	240	2488135	25.00	ug/mL	-0.22
86) Perylene-d12	19.50	264	2630358	25.00	ug/mL	-0.28
System Monitoring Compounds						
4) 2-Fluorophenol	4.68	112	2178612	31.73	ug/mL	-0.05
Spiked Amount 40.000	Range 21 - 110		Recovery = 79.33%			
5) Phenol-d6	5.82	99	2876301	33.56	ug/mL	-0.03
Spiked Amount 40.000	Range 10 - 110		Recovery = 83.90%			
21) Nitrobenzene-d5	6.90	82	1815170	28.15	ug/mL	-0.13
Spiked Amount 40.000	Range 35 - 114		Recovery = 70.38%			
40) 2-Fluorobiphenyl	9.18	172	3167263	30.32	ug/mL	-0.13
Spiked Amount 40.000	Range 43 - 116		Recovery = 75.80%			
65) 2,4,6-Tribromophenol	11.04	330	489864	33.31	ug/mL	-0.13
Spiked Amount 40.000	Range 10 - 123		Recovery = 83.28%			
78) Terphenyl-d14	14.41	244	3215281	32.13	ug/mL	-0.18
Spiked Amount 40.000	Range 33 - 141		Recovery = 80.33%			
Target Compounds						Qvalue
62) 4,6-Dinitro-2-methylphenol	10.76	198	236	1.07	ug/mL#	27
68) Pentachlorophenol	11.65	266	205	1.02	ug/mL#	63

JD

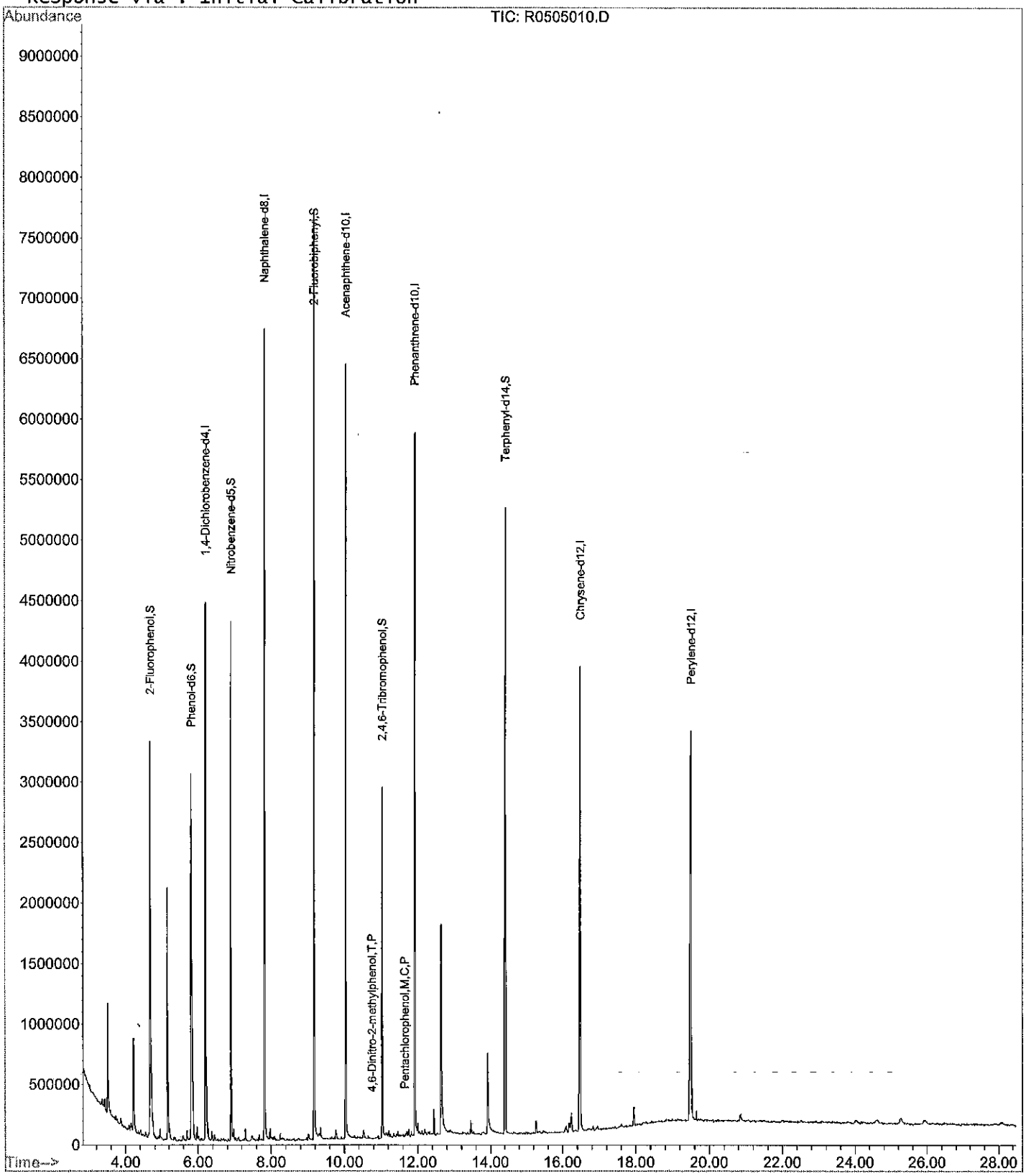
6/2/23

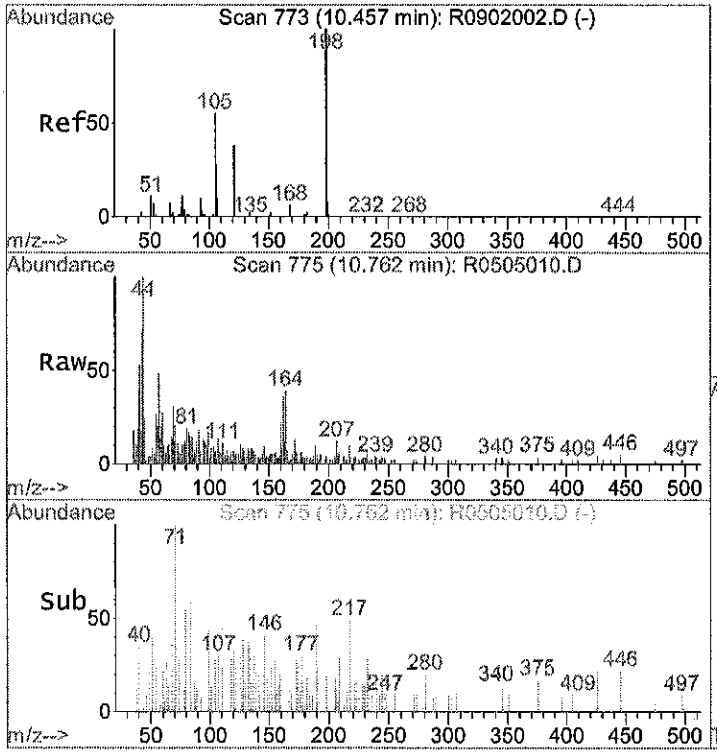
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230505\R0505010.D Vial: 10
Acq On : 5 May 2023 5:20 pm Operator: JP
Sample : MB0503S3 Inst : Ralph
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 8 14:42 2023 Quant Results File: SV230410.RES

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Thu May 11 08:45:53 2023
Response via : Initial Calibration

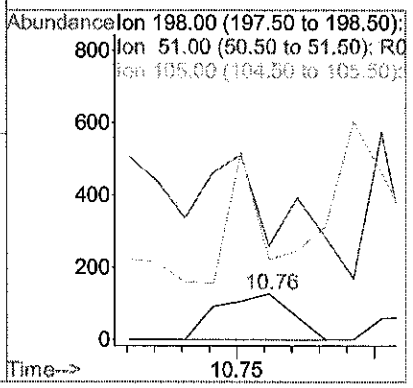


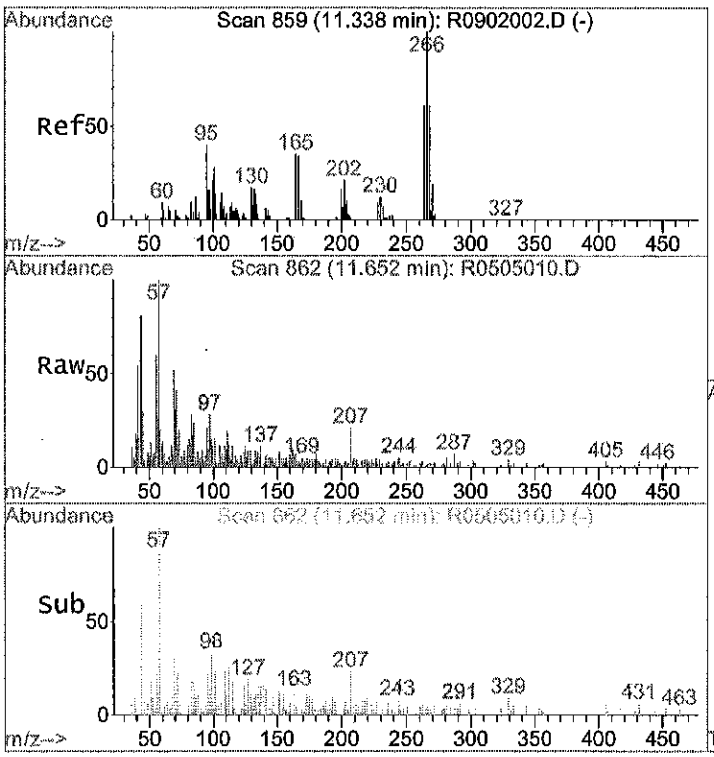


#62
4,6-Dinitro-2-methylphenol
Concen: 1.07 ug/mL
RT: 10.76 min Scan# 775
Delta R.T. -0.14 min
Lab File: R0505010.D
Acq: 5 May 2023 5:20 pm

Tgt Ion:198 Resp: 236

Ion	Ratio	Lower	Upper
198	100		
51	0.0	40.9	80.9#
105	0.0	15.7	55.7#

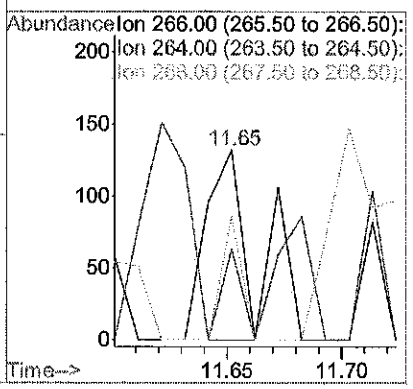




#68
Pentachlorophenol
Concen: 1.02 ug/mL
RT: 11.65 min Scan# 862
Delta R.T. -0.16 min
Lab File: R0505010.D
Acq: 5 May 2023 5:20 pm

Tgt Ion:266 Resp: 205

Ion	Ratio	Lower	Upper
266	100		
264	43.4	42.8	82.8
268	25.9	44.0	84.0#



Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230509\
Data File : J0509017.D
Acq On : 9 May 2023 4:08 pm
Operator : JP
Sample : MB0503S3
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 09 16:39:11 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.142	152	287158	25.00	ug/mL	0.00
20) Naphthalene-d8	7.758	136	1187458	25.00	ug/mL	-0.01
36) Acenaphthene-d10	9.985	164	722801	25.00	ug/mL	-0.01
62) Phenanthrene-d10	11.883	188	1205618	25.00	ug/mL	0.00
76) Chrysene-d12	16.448	240	1094796	25.00	ug/mL	-0.02
87) Perylene-d12	19.480	264	1101839	25.00	ug/mL	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	4.550	112	471884	28.75	ug/mL	-0.01
Spiked Amount 40.000	Range 21 - 110		Recovery = 71.88%			
5) Phenol-d6	5.667	99	616742	29.95	ug/mL	-0.02
Spiked Amount 40.000	Range 10 - 110		Recovery = 74.88%			
21) Nitrobenzene-d5	6.842	82	572875	28.53	ug/mL	0.00
Spiked Amount 40.000	Range 35 - 114		Recovery = 71.33%			
41) 2-Fluorobiphenyl	9.115	172	1122554	30.22	ug/mL	0.00
Spiked Amount 40.000	Range 43 - 116		Recovery = 75.55%			
66) 2,4,6-Tribromophenol	10.978	330	157677	33.88	ug/mL	-0.01
Spiked Amount 40.000	Range 10 - 123		Recovery = 84.70%			
79) Terphenyl-d14	14.374	244	1500651	34.24	ug/mL	-0.01
Spiked Amount 40.000	Range 33 - 141		Recovery = 85.60%			

Target Compounds Qvalue

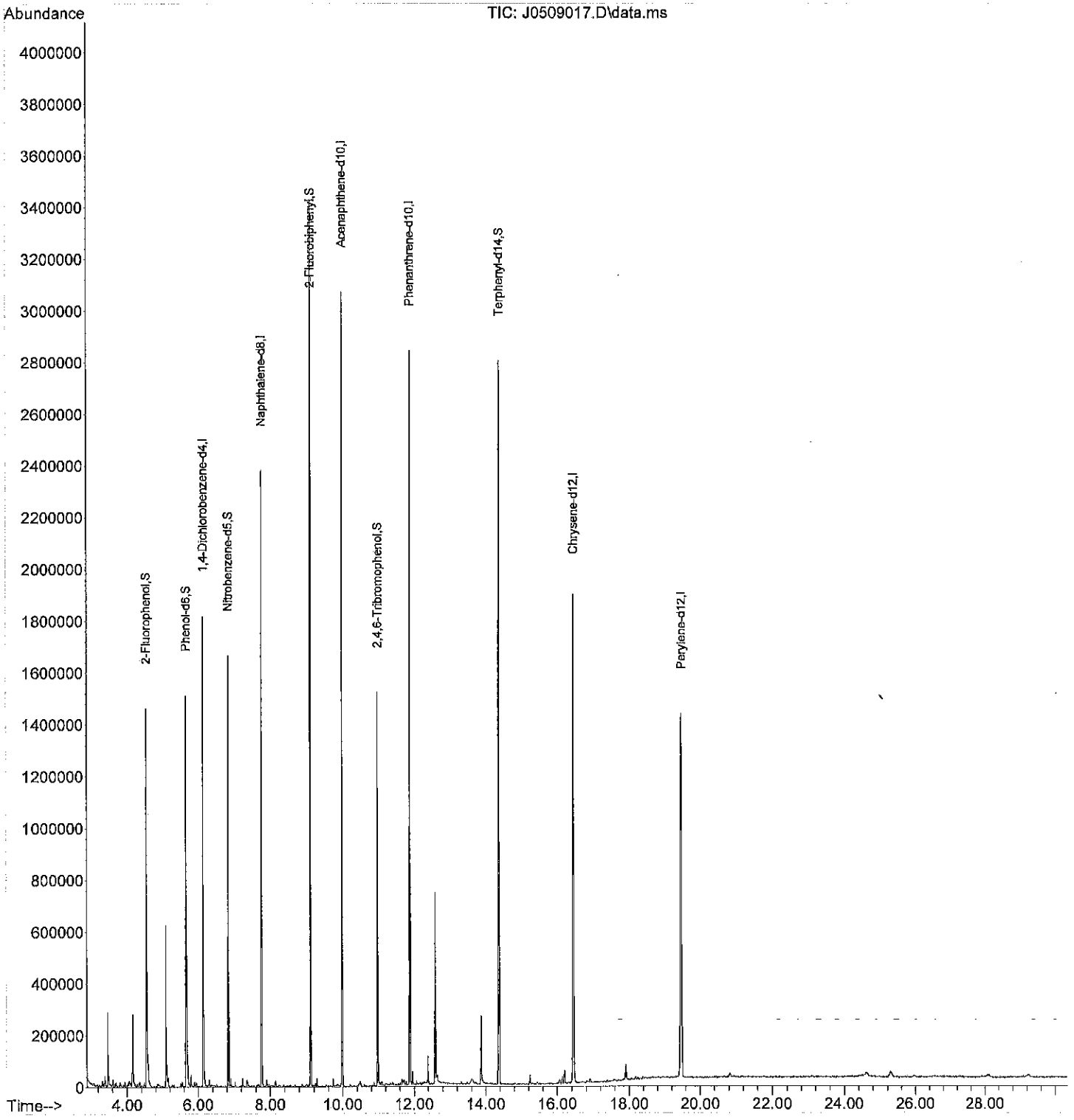
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JP 6/2/23

Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230509\
Data File : J0509017.D
Acq On : 9 May 2023 4:08 pm
Operator : JP
Sample : MB0503S3
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 09 16:39:11 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Corey\DATA\C230505\
Data File : C0505008.D
Acq On : 5 May 2023 4:17 pm
Operator : JP
Sample : MB0503S3 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 08 13:33:03 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Thu May 04 10:12:53 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	3.886	136	201839	2000.00	ppb	0.00
5) Acenaphthene-d10	5.121	164	100569	2000.00	ppb	0.00
9) Phenanthrene-d10	6.141	188	180875	2000.00	ppb	0.00
16) Chrysene-d12	8.198	240	138925	2000.00	ppb	-0.02
20) Perylene-d12	9.631	264	146372	2000.00	ppb	0.00
System Monitoring Compounds						
6) 2-Fluorobiphenyl	4.671	172	439574	4470.03	ppb	0.00
Spiked Amount 1000.000	Range 25 - 89		Recovery = 447.00%#			
10) Pyrene-d10	7.289	212	31533	317.78	ppb	0.13
Spiked Amount 1000.000	Range 40 - 110		Recovery = 31.78%#			
17) Terphenyl-d14	7.299	244	384106	6038.61	ppb	-0.02
Spiked Amount 1000.000	Range 39 - 92		Recovery = 603.86%#			
Target Compounds						Qvalue
18) Benzo[a]anthracene	8.192	228	560	Below Cal		69

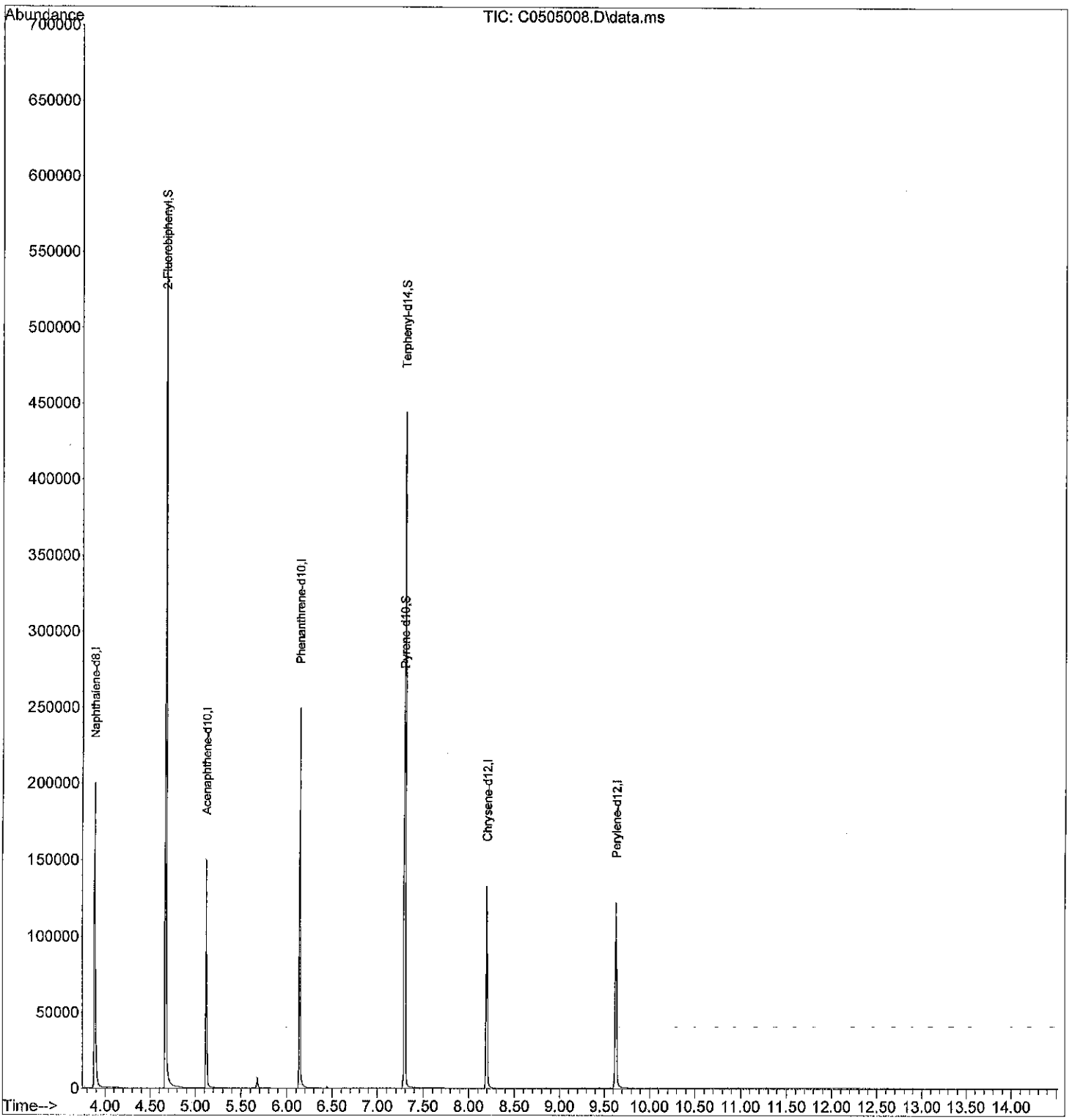
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JP
6/2/23

Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Corey\DATA\C230505\
Data File : C0505008.D
Acq On : 5 May 2023 4:17 pm
Operator : JP
Sample : MB0503S3 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 08 13:33:03 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Thu May 04 10:12:53 2023
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230503\
Data File : J0503003.D
Acq On : 3 May 2023 11:28 am
Operator : JP
Sample : SB0503S1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 03 11:59:10 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.148	152	325778	25.00	ug/mL	-0.05
20) Naphthalene-d8	7.764	136	1308019	25.00	ug/mL	-0.06
36) Acenaphthene-d10	9.991	164	810886	25.00	ug/mL	-0.06
62) Phenanthrene-d10	11.888	188	1351028	25.00	ug/mL	-0.06
76) Chrysene-d12	16.466	240	1229290	25.00	ug/mL	-0.09
87) Perylene-d12	19.491	264	1249851	25.00	ug/mL	-0.13
System Monitoring Compounds						
4) 2-Fluorophenol	4.562	112	456475	24.51	ug/mL	-0.03
Spiked Amount 40.000	Range 21 - 110		Recovery = 61.27%			
5) Phenol-d6	5.678	99	607158	25.99	ug/mL	-0.04
Spiked Amount 40.000	Range 10 - 110		Recovery = 64.97%			
21) Nitrobenzene-d5	6.847	82	576702	26.08	ug/mL	-0.05
Spiked Amount 40.000	Range 35 - 114		Recovery = 65.20%			
41) 2-Fluorobiphenyl	9.115	172	1141296	27.39	ug/mL	-0.05
Spiked Amount 40.000	Range 43 - 116		Recovery = 68.47%			
66) 2,4,6-Tribromophenol	10.984	330	164684	31.58	ug/mL	-0.06
Spiked Amount 40.000	Range 10 - 123		Recovery = 78.95%			
79) Terphenyl-d14	14.380	244	1502102	30.52	ug/mL	-0.08
Spiked Amount 40.000	Range 33 - 141		Recovery = 76.30%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.081	42	163335	14.21	ug/mL#	46
3) Pyridine	3.128	79	60091	3.33	ug/mL#	58
6) Phenol	5.701	94	364400	13.93	ug/mL	87
7) Aniline	5.731	93	293942	10.29	ug/mL	78
8) bis(2-Chloroethyl)ether	5.790	93	276764	13.47	ug/mL	96
9) 2-Chlorophenol	5.901	128	264138	13.75	ug/mL	100
10) n-Decane	5.895	43	360120	12.75	ug/mL	91
11) 1,3-Dichlorobenzene	6.078	146	277706	13.36	ug/mL	99
12) 1,4-Dichlorobenzene	6.166	146	284269	13.44	ug/mL	98
13) Benzyl alcohol	6.301	108	189960	17.98	ug/mL	96
14) 1,2-Dichlorobenzene	6.360	146	267736	13.47	ug/mL	98
15) 2-Methylphenol (o-Cresol)	6.454	107	227138	13.48	ug/mL#	79
16) bis(2-Chloroisopropyl)...	6.459	45	524813	13.88	ug/mL#	68
17) (3+4)-Methylphenol (m,...	6.642	107	294266	14.18	ug/mL	97
18) n-Nitroso-di-n-propyla...	6.630	70	210032	14.23	ug/mL	81
19) Hexachloroethane	6.794	117	117532	13.50	ug/mL	83
22) Nitrobenzene	6.871	77	315030	14.23	ug/mL	96
23) Isophorone	7.165	82	595721	14.49	ug/mL	88
24) 2-Nitrophenol	7.270	139	147709	14.27	ug/mL	86
25) 2,4-Dimethylphenol	7.311	122	213504	13.76	ug/mL	91
26) bis(2-Chloroethoxy)met...	7.417	93	338170	13.91	ug/mL	96
27) Benzoic Acid	7.376	105	4862	0.99	ug/mL#	100
28) 2,4-Dichlorophenol	7.599	162	235004	14.60	ug/mL	96
29) 1,2,4-Trichlorobenzene	7.682	180	230635	13.82	ug/mL	99
30) Naphthalene	7.793	128	797675	14.33	ug/mL	99
31) 4-Chloroaniline	7.840	65	110675	13.69	ug/mL	94
32) Hexachlorobutadiene	7.928	225	129883	14.05	ug/mL	98
33) 4-Chloro-3-methylphenol	8.469	107	277816	15.07	ug/mL	98
34) 2-Methylnaphthalene	8.663	142	531325	14.25	ug/mL	99

JP
6/2/23

Data Path : X:\semivols\Jessie\DATA\J230503\
Data File : J0503003.D
Acq On : 3 May 2023 11:28 am
Operator : JP
Sample : SB0503S1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 03 11:59:10 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
35)	1-Methylnaphthalene	8.792	142	516545	14.75	ug/mL	100
37)	Hexachlorocyclopentadiene	8.857	237	142121	18.14	ug/mL	98
38)	2,4,6-Trichlorophenol	9.021	196	171211	15.06	ug/mL	100
39)	2,3-Dichloroaniline	9.015	161	290484	14.61	ug/mL	97
40)	2,4,5-Trichlorophenol	9.103	196	188579	15.38	ug/mL	99
42)	2-Chloronaphthalene	9.286	162	533546	14.59	ug/mL	99
43)	2-Nitroaniline	9.403	65	214300	15.49	ug/mL	94
44)	1,4-Dinitrobenzene	9.568	168	96677	15.37	ug/mL#	86
45)	Dimethylphthalate	9.615	163	648522	15.23	ug/mL	99
46)	1,3-Dinitrobenzene	9.668	168	112408	15.32	ug/mL#	69
47)	2,6-Dinitrotoluene	9.697	165	152161	15.21	ug/mL#	82
48)	1,2-Dinitrobenzene	9.779	168	76097	15.59	ug/mL	92
49)	Acenaphthylene	9.814	152	848705	15.89	ug/mL	99
50)	3-Nitroaniline	9.403	138	200347	15.07	ug/mL#	52
51)	2,4-Dinitrophenol	10.044	184	61530	22.49	ug/mL#	1
52)	Acenaphthene	10.032	154	530488	15.21	ug/mL	98
53)	4-Nitrophenol	10.190	65	165773	19.31	ug/mL	83
54)	2,4-Dinitrotoluene	10.202	165	204954	15.90	ug/mL#	82
55)	Dibenzofuran	10.249	168	773717	15.05	ug/mL	88
56)	2,3,5,6-Tetrachlorophenol	10.343	232	138659	14.90	ug/mL	89
57)	2,3,4,6-Tetrachlorophenol	10.396	232	141828	15.89	ug/mL	85
58)	Diethylphthalate	10.496	149	650379	15.61	ug/mL	96
59)	4-Chlorophenyl-phenyle...	10.660	204	297592	14.82	ug/mL	88
60)	4-Nitroaniline	10.696	138	179104	15.65	ug/mL#	87
61)	Fluorene	10.678	166	656183	15.20	ug/mL	99
63)	4,6-Dinitro-2-methylph...	10.719	198	99345	15.63	ug/mL	82
64)	n-Nitrosodiphenylamine	10.807	169	539029	14.52	ug/mL	97
65)	1,2-Diphenylhydrazine	10.860	182	172553	14.40	ug/mL#	44
67)	4-Bromophenyl-phenylether	11.277	248	171182	14.97	ug/mL#	88
68)	Hexachlorobenzene	11.366	284	176037	14.90	ug/mL	92
69)	Pentachlorophenol	11.624	266	89759	15.88	ug/mL	98
70)	n-Octadecane	11.653	43	448911	16.44	ug/mL	91
71)	Phenanthrene	11.918	178	897550	14.95	ug/mL	98
72)	Anthracene	11.988	178	894361	15.02	ug/mL	97
73)	Carbazole	12.200	167	863454	14.96	ug/mL	97
74)	Di-n-butylphthalate	12.652	149	1141579	16.07	ug/mL	98
75)	Fluoranthene	13.728	202	1002179	15.14	ug/mL	86
78)	Pyrene	14.127	202	1043827	15.45	ug/mL	98
80)	Butylbenzylphthalate	15.296	149	524433	15.69	ug/mL	92
81)	bis-2-Ethylhexyladipate	15.437	129	481761	15.24	ug/mL	96
82)	3,3'-Dichlorobenzidine	16.377	252	301894	13.38	ug/mL	96
83)	Benzo[a]anthracene	16.436	228	943974	14.87	ug/mL	100
84)	Chrysene	16.518	228	861062	15.34	ug/mL	98
85)	bis(2-Ethylhexyl)phtha...	16.477	149	990416	20.95	ug/mL	94
86)	Di-n-octylphthalate	17.840	149	1301327	15.91	ug/mL	95
88)	Benzo[b]fluoranthene	18.634	252	936451	15.13	ug/mL	89
89)	Benzo(j,k)fluoranthene	18.692	252	870830	14.92	ug/mL	90
90)	Benzo[a]pyrene	19.350	252	782369	14.93	ug/mL	89
91)	Indeno[1,2,3-cd]pyrene	22.435	276	899994	16.17	ug/mL	73
92)	Dibenz[a,h]anthracene	22.506	278	882154	16.50	ug/mL	87
93)	Benzo[g,h,i]perylene	23.328	276	858419	16.25	ug/mL	82

Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230503\
Data File : J0503003.D
Acq On : 3 May 2023 11:28 am
Operator : JP
Sample : SB0503S1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 03 11:59:10 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

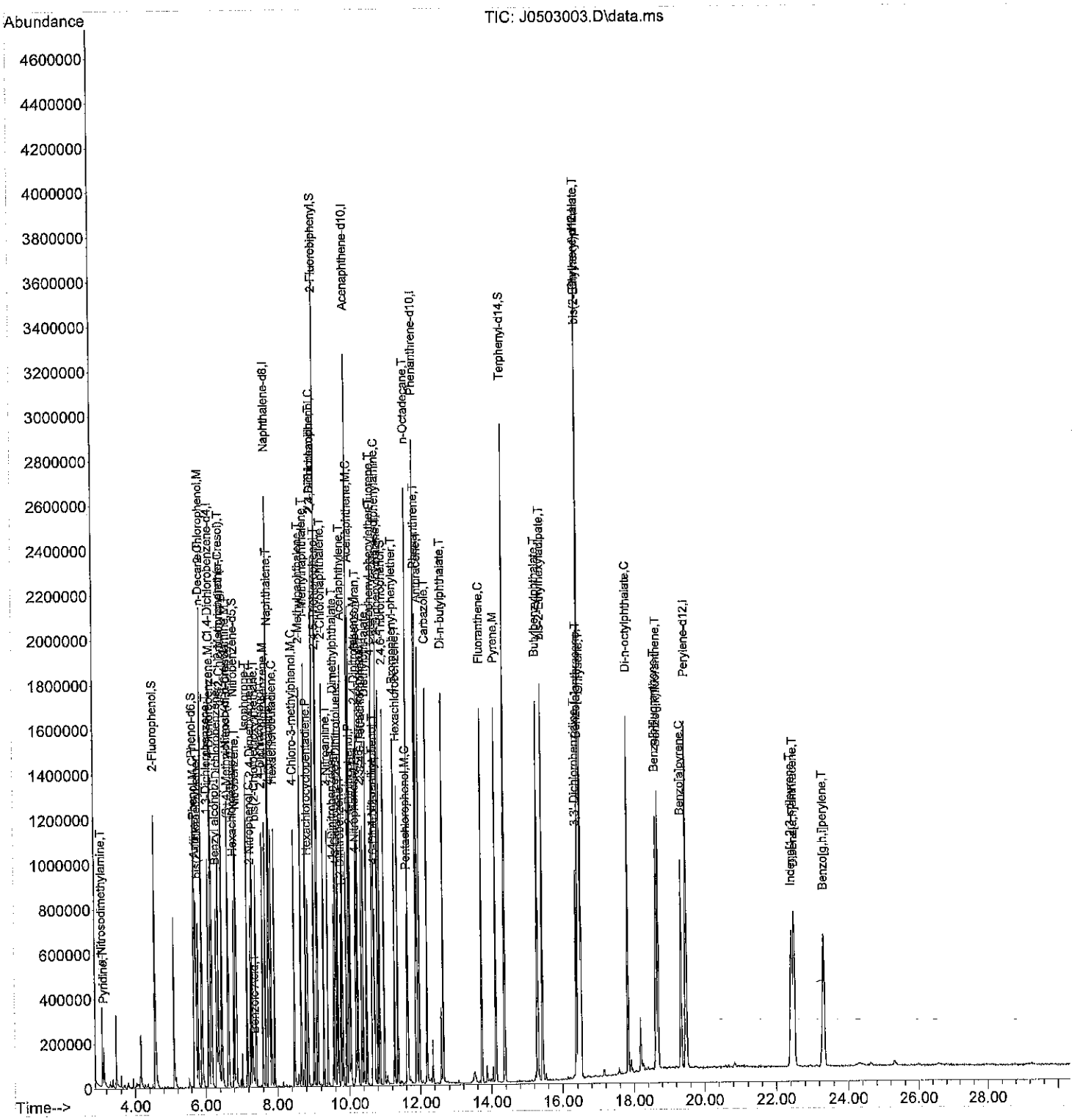
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230503\
Data File : J0503003.D
Acq On : 3 May 2023 11:28 am
Operator : JP
Sample : SB0503S1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 03 11:59:10 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230503\
Data File : J0503004.D
Acq On : 3 May 2023 12:07 pm
Operator : JP
Sample : SB0503S1 DUP
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 03 12:37:44 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.148	152	318559	25.00	ug/mL	-0.05
20) Naphthalene-d8	7.764	136	1293463	25.00	ug/mL	-0.06
36) Acenaphthene-d10	9.991	164	800232	25.00	ug/mL	-0.06
62) Phenanthrene-d10	11.888	188	1328788	25.00	ug/mL	-0.06
76) Chrysene-d12	16.465	240	1219137	25.00	ug/mL	-0.09
87) Perylene-d12	19.491	264	1241659	25.00	ug/mL	-0.13
System Monitoring Compounds						
4) 2-Fluorophenol	4.562	112	474915	26.08	ug/mL	-0.03
Spiked Amount 40.000	Range 21 - 110		Recovery = 65.20%			
5) Phenol-d6	5.678	99	634668	27.78	ug/mL	-0.04
Spiked Amount 40.000	Range 10 - 110		Recovery = 69.45%			
21) Nitrobenzene-d5	6.847	82	602515	27.55	ug/mL	-0.05
Spiked Amount 40.000	Range 35 - 114		Recovery = 68.88%			
41) 2-Fluorobiphenyl	9.115	172	1189421	28.92	ug/mL	-0.05
Spiked Amount 40.000	Range 43 - 116		Recovery = 72.30%			
66) 2,4,6-Tribromophenol	10.984	330	174600	34.04	ug/mL	-0.06
Spiked Amount 40.000	Range 10 - 123		Recovery = 85.10%			
79) Terphenyl-d14	14.386	244	1550236	31.76	ug/mL	-0.07
Spiked Amount 40.000	Range 33 - 141		Recovery = 79.40%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.087	42	176184	15.67	ug/mL#	45
3) Pyridine	3.128	79	78439	4.44	ug/mL#	58
6) Phenol	5.701	94	392046	15.33	ug/mL	87
7) Aniline	5.731	93	373940	13.38	ug/mL	82
8) bis(2-Chloroethyl)ether	5.790	93	293462	14.61	ug/mL	95
9) 2-Chlorophenol	5.901	128	282286	15.03	ug/mL	99
10) n-Decane	5.895	43	379133	13.73	ug/mL	91
11) 1,3-Dichlorobenzene	6.077	146	291033	14.31	ug/mL	99
12) 1,4-Dichlorobenzene	6.166	146	304542	14.72	ug/mL	99
13) Benzyl alcohol	6.301	108	201736	19.52	ug/mL	94
14) 1,2-Dichlorobenzene	6.359	146	281504	14.48	ug/mL	99
15) 2-Methylphenol (o-Cresol)	6.454	107	241132	14.63	ug/mL#	80
16) bis(2-Chloroisopropyl)...	6.459	45	555017	15.01	ug/mL#	69
17) (3+4)-Methylphenol (m,...	6.642	107	313109	15.43	ug/mL	97
18) n-Nitroso-di-n-propyla...	6.630	70	222568	15.42	ug/mL	82
19) Hexachloroethane	6.794	117	124231	14.59	ug/mL	83
22) Nitrobenzene	6.871	77	334323	15.27	ug/mL	96
23) Isophorone	7.164	82	622035	15.30	ug/mL	87
24) 2-Nitrophenol	7.270	139	152883	14.94	ug/mL	88
25) 2,4-Dimethylphenol	7.311	122	235620	15.36	ug/mL	93
26) bis(2-Chloroethoxy)met...	7.417	93	355251	14.78	ug/mL	96
27) Benzoic Acid	7.370	105	2726	0.74	ug/mL#	100
28) 2,4-Dichlorophenol	7.599	162	249626	15.69	ug/mL	96
29) 1,2,4-Trichlorobenzene	7.681	180	246782	14.95	ug/mL	98
30) Naphthalene	7.793	128	858572	15.60	ug/mL	99
31) 4-Chloroaniline	7.840	65	122868	15.37	ug/mL	94
32) Hexachlorobutadiene	7.928	225	139296	15.24	ug/mL	98
33) 4-Chloro-3-methylphenol	8.469	107	298021	16.34	ug/mL	97
34) 2-Methylnaphthalene	8.663	142	566003	15.35	ug/mL	99

JP
6/2/23

Data Path : X:\semivols\Jessie\DATA\J230503\
Data File : J0503004.D
Acq On : 3 May 2023 12:07 pm
Operator : JP
Sample : SB0503S1 DUP
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 03 12:37:44 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	8.792	142	548543	15.84	ug/mL	100
37) Hexachlorocyclopentadiene	8.857	237	152410	19.63	ug/mL	100
38) 2,4,6-Trichlorophenol	9.021	196	178497	15.91	ug/mL	98
39) 2,3-Dichloroaniline	9.021	161	307385	15.67	ug/mL	98
40) 2,4,5-Trichlorophenol	9.103	196	197466	16.32	ug/mL	100
42) 2-Chloronaphthalene	9.286	162	565214	15.66	ug/mL	100
43) 2-Nitroaniline	9.403	65	224173	16.42	ug/mL	94
44) 1,4-Dinitrobenzene	9.568	168	97481	15.70	ug/mL#	85
45) Dimethylphthalate	9.615	163	679775	16.18	ug/mL	99
46) 1,3-Dinitrobenzene	9.667	168	117301	16.20	ug/mL#	69
47) 2,6-Dinitrotoluene	9.697	165	159562	16.17	ug/mL#	82
48) 1,2-Dinitrobenzene	9.779	168	76051	15.78	ug/mL	90
49) Acenaphthylene	9.814	152	902373	17.12	ug/mL	100
50) 3-Nitroaniline	9.403	138	208661	15.91	ug/mL#	53
51) 2,4-Dinitrophenol	10.043	184	53502	20.70	ug/mL#	1
52) Acenaphthene	10.032	154	549379	15.96	ug/mL	98
53) 4-Nitrophenol	10.190	65	171204	20.21	ug/mL#	82
54) 2,4-Dinitrotoluene	10.208	165	214397	16.85	ug/mL#	80
55) Dibenzofuran	10.249	168	824740	16.25	ug/mL	89
56) 2,3,5,6-Tetrachlorophenol	10.343	232	142957	15.55	ug/mL	89
57) 2,3,4,6-Tetrachlorophenol	10.402	232	148946	16.91	ug/mL	86
58) Diethylphthalate	10.496	149	690069	16.78	ug/mL	97
59) 4-Chlorophenyl-phenyle...	10.660	204	310548	15.67	ug/mL	89
60) 4-Nitroaniline	10.696	138	186925	16.55	ug/mL#	88
61) Fluorene	10.678	166	690398	16.21	ug/mL	99
63) 4,6-Dinitro-2-methylph...	10.719	198	97589	15.62	ug/mL	80
64) n-Nitrosodiphenylamine	10.807	169	570487	15.62	ug/mL	97
65) 1,2-Diphenylhydrazine	10.860	182	182355	15.47	ug/mL#	44
67) 4-Bromophenyl-phenylether	11.277	248	177252	15.76	ug/mL#	88
68) Hexachlorobenzene	11.371	284	184921	15.91	ug/mL	90
69) Pentachlorophenol	11.624	266	92441	16.52	ug/mL	99
70) n-Octadecane	11.653	43	464813	17.31	ug/mL	91
71) Phenanthrene	11.918	178	945437	16.02	ug/mL	98
72) Anthracene	11.988	178	954960	16.31	ug/mL	98
73) Carbazole	12.200	167	910424	16.03	ug/mL	96
74) Di-n-butylphthalate	12.646	149	1191275	17.05	ug/mL	98
75) Fluoranthene	13.727	202	1057076	16.24	ug/mL	86
77) Benzidine	13.933	184	40448	1.26	ug/mL	88
78) Pyrene	14.133	202	1090905	16.29	ug/mL	98
80) Butylbenzylphthalate	15.296	149	552154	16.66	ug/mL	93
81) bis-2-Ethylhexyladipate	15.437	129	506912	16.17	ug/mL	96
82) 3,3'-Dichlorobenzidine	16.383	252	342417	15.30	ug/mL	96
83) Benzo[a]anthracene	16.436	228	1004779	15.96	ug/mL	99
84) Chrysene	16.518	228	904596	16.25	ug/mL	98
85) bis(2-Ethylhexyl)phtha...	16.477	149	1118132	23.85	ug/mL	94
86) Di-n-octylphthalate	17.834	149	1356633	16.73	ug/mL	95
88) Benzo[b]fluoranthene	18.634	252	981181	15.96	ug/mL	89
89) Benzo(j,k)fluoranthene	18.698	252	912186	15.74	ug/mL	90
90) Benzo[a]pyrene	19.350	252	825662	15.86	ug/mL	88
91) Indeno[1,2,3-cd]pyrene	22.435	276	945790	17.11	ug/mL	74
92) Dibenz[a,h]anthracene	22.511	278	935601	17.61	ug/mL	87
93) Benzo[g,h,i]perylene	23.334	276	895337	17.06	ug/mL	82

Data Path : X:\semivols\Jessie\DATA\J230503\
Data File : J0503004.D
Acq On : 3 May 2023 12:07 pm
Operator : JP
Sample : SB0503S1 DUP
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 03 12:37:44 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

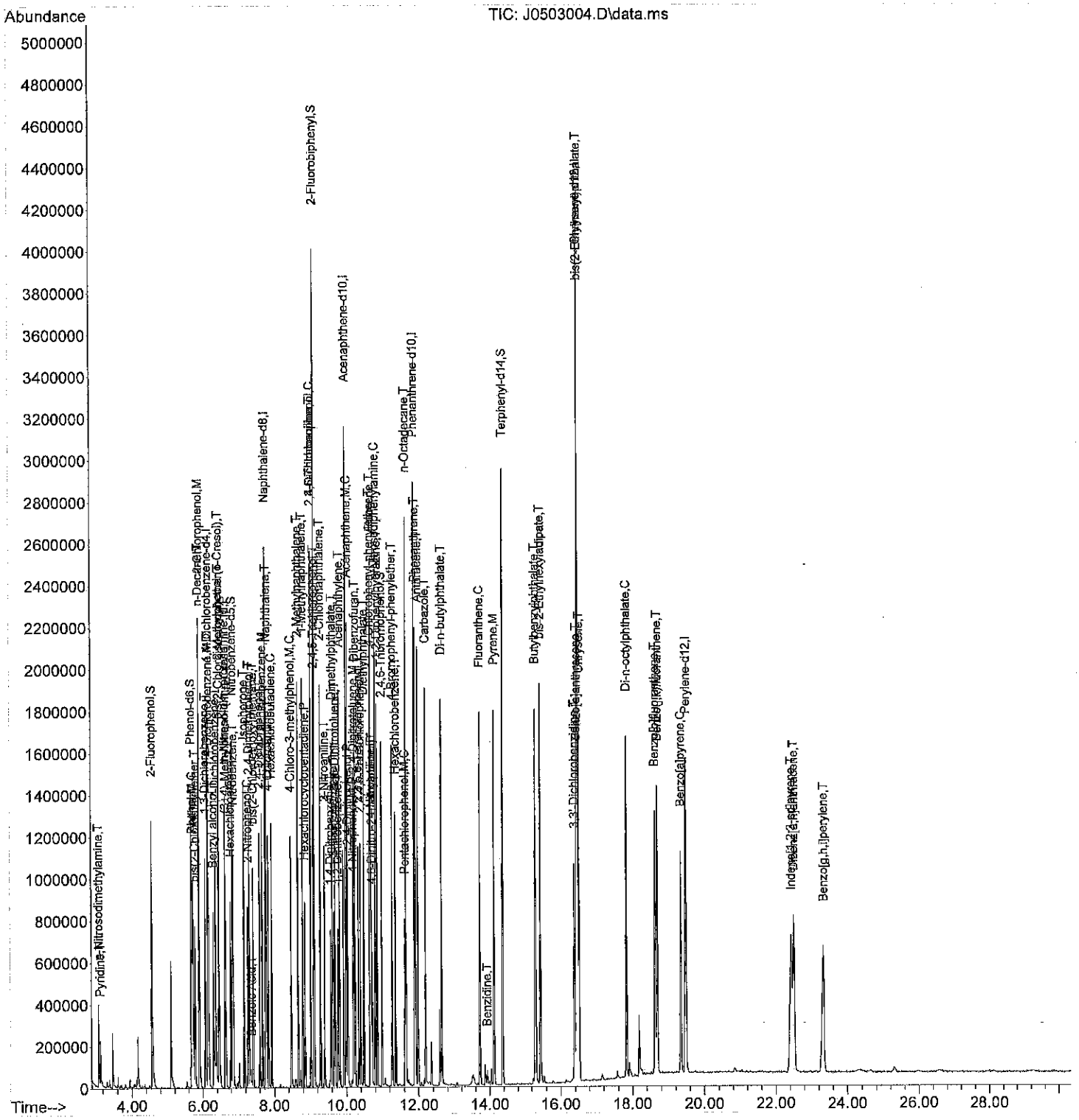
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230503\
Data File : J0503004.D
Acq On : 3 May 2023 12:07 pm
Operator : JP
Sample : SB0503S1 DUP
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 03 12:37:44 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration



Response Factor Report Ralph

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Fri Jun 02 11:27:17 2023
Response via : Initial Calibration

Calibration Files
1 =R0410008.D 2 =R0410009.D 5 =R0410010.D
10 =R0410011.D 20 =R0410012.D 35 =R0410013.D

		Compound	1	2	5	10	20	35	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	ISTD							
2)	T	n-Nitrosodimethylam	0.625	0.607	0.644	0.661	0.668	0.635	0.650	3.70
3)	T	Pyridine	1.422	1.692	1.700	1.681	1.761	1.685	1.641	10.52
4)	S	2-Fluorophenol	1.365	1.468	1.512	1.465	1.562	1.489	1.475	5.00
5)	S	Phenol-d6	1.824	1.861	1.886	1.837	1.910	1.784	1.840	2.75
6)	M,C,P	Phenol	1.825	2.002	1.977	1.995	2.038	1.882	1.932	3.82
7)	T	Aniline	1.976	2.247	2.300	2.308	2.344	2.301	2.245	5.50
8)	T,P	bis(2-Chloroethyl)e	1.736	1.720	1.796	1.725	1.731	1.573	1.676	5.65
9)	M,P	2-Chlorophenol	1.375	1.452	1.485	1.437	1.455	1.375	1.405	3.68
10)	T	n-Decane	1.973	2.043	1.960	1.832	1.819	1.638	1.804	11.13
11)	T	1,3-Dichlorobenzene	1.557	1.694	1.660	1.603	1.621	1.521	1.591	4.43
12)	M,C	1,4-Dichlorobenzene	1.651	1.706	1.663	1.645	1.630	1.551	1.609	4.26
13)	T	Benzyl alcohol	0.816	0.934	0.969	1.002	1.008	0.960	0.932	9.40
14)	T	1,2-Dichlorobenzene	1.551	1.564	1.556	1.535	1.549	1.472	1.513	3.21
15)	T,P	2-Methylphenol (o-C	1.223	1.207	1.215	1.247	1.246	1.178	1.193	4.10
16)	T	bis(2-Chloroisoprop	2.807	2.795	2.905	2.800	2.832	2.653	2.749	3.88
17)	T	(3+4)-Methylphenol	1.484	1.527	1.588	1.584	1.578	1.462	1.512	4.44
18)	M,P	n-Nitroso-di-n-prop	1.082	1.096	1.107	1.093	1.086	1.015	1.059	3.88
19)	T,P	Hexachloroethane	0.611	0.613	0.618	0.635	0.638	0.609	0.616	2.04
20)	I	Naphthalene-d8	ISTD							
21)	S	Nitrobenzene-d5	0.391	0.371	0.412	0.402	0.405	0.385	0.392	3.16
22)	T,P	Nitrobenzene	0.365	0.376	0.382	0.374	0.373	0.358	0.365	3.47
23)	T,P	Isophorone	0.779	0.788	0.791	0.793	0.783	0.746	0.768	3.44
24)	C,P	2-Nitrophenol	0.197	0.207	0.219	0.231	0.232	0.224	0.215	7.98
25)	T,P	2,4-Dimethylphenol	0.294	0.305	0.308	0.317	0.311	0.302	0.301	3.21
26)	T,P	bis(2-Chloroethoxy)	0.478	0.515	0.508	0.521	0.501	0.475	0.490	4.72
27)	C,P	2,4-Dichlorophenol	0.287	0.293	0.298	0.310	0.303	0.299	0.291	6.10
28)	M	1,2,4-Trichlorobenz	0.296	0.324	0.309	0.313	0.312	0.298	0.302	4.24
29)	T,P	Naphthalene	1.064	1.111	1.112	1.107	1.071	0.980	1.043	7.98
30)	T,P	4-Chloroaniline	0.113	0.129	0.124	0.126	0.120	0.115	0.119	5.78
31)	C,P	Hexachlorobutadiene	0.140	0.154	0.139	0.144	0.143	0.136	0.141	5.20
32)	M,C,P	4-Chloro-3-methylph	0.278	0.291	0.294	0.303	0.299	0.294	0.286	5.50
33)	T,P	2-Methylnaphthalene	0.645	0.662	0.668	0.674	0.643	0.608	0.628	6.86
34)	T	1-Methylnaphthalene	0.599	0.620	0.618	0.627	0.600	0.570	0.588	6.12
35)	I	Acenaphthene-d10	ISTD							
36)	P	Hexachlorocyclopent	0.094	0.157	0.187	0.215	0.240	0.247	0.188	36.49
37)	C,P	2,4,6-Trichlorophen	0.280	0.320	0.325	0.350	0.341	0.335	0.308	12.26
38)	T	2,3-Dichloroaniline	0.685	0.722	0.687	0.698	0.694	0.611	0.653	8.46
39)	T,P	2,4,5-Trichlorophen	0.331	0.357	0.343	0.397	0.385	0.388	0.360	8.44
40)	S	2-Fluorobiphenyl	1.278	1.268	1.294	1.293	1.272	1.189	1.226	6.39
41)	T,P	2-Chloronaphthalene	1.199	1.245	1.200	1.247	1.215	1.165	1.173	5.64
42)	T,P	2-Nitroaniline	0.328	0.376	0.372	0.396	0.382	0.376	0.360	7.98
43)	T	1,4-Dinitrobenzene	0.191	0.227	0.244	0.266	0.264	0.270	0.237	18.74
44)	T,P	Dimethylphthalate	1.322	1.335	1.307	1.396	1.315	1.283	1.299	4.03
45)	T	1,3-Dinitrobenzene	0.228	0.275	0.286	0.299	0.300	0.298	0.277	11.15
46)	T,P	2,6-Dinitrotoluene	0.323	0.351	0.356	0.367	0.354	0.355	0.339	8.84
47)	T	1,2-Dinitrobenzene	0.173	0.182	0.196	0.191	0.194	0.192	0.182	11.84
48)	T,P	Acenaphthylene	1.794	1.851	1.805	1.887	1.818	1.704	1.746	6.66
49)	T,P	3-Nitroaniline	0.358	0.393	0.408	0.421	0.422	0.415	0.393	8.60
50)	P	2,4-Dinitrophenol		0.023	0.060	0.108	0.148	0.167	0.122	49.44
51)	M,C	Acenaphthene	1.119	1.127	1.128	1.165	1.108	1.053	1.085	7.61
52)	M,P	4-Nitrophenol	0.098	0.118	0.170	0.194	0.210	0.221	0.181	26.64
53)	M	2,4-Dinitrotoluene	0.398	0.464	0.445	0.472	0.473	0.466	0.442	8.21
54)	T,P	Dibenzofuran	1.621	1.643	1.599	1.661	1.576	1.521	1.558	7.00
55)	T	2,3,5,6-Tetrachloro	0.144	0.222	0.242	0.267	0.275	0.279	0.231	28.14
56)	T,P	2,3,4,6-Tetrachloro	0.210	0.239	0.258	0.293	0.292	0.293	0.255	19.02
57)	T,P	Diethylphthalate	1.238	1.318	1.266	1.327	1.272	1.240	1.236	6.11
58)	T,P	4-Chlorophenyl-phen	0.509	0.529	0.535	0.546	0.521	0.504	0.510	5.54
59)	T,P	4-Nitroaniline	0.357	0.397	0.415	0.418	0.413	0.403	0.391	7.29
60)	T,P	Fluorene	1.273	1.323	1.282	1.313	1.244	1.163	1.221	8.27

SD 6/2/23

61)	I	Phenanthrene-d10	----------ISTD----------							
62)	T,P	4,6-Dinitro-2-methy	0.038	0.066	0.112	0.150	0.165	0.173	0.132	40.96
63)	C,P	n-Nitrosodiphenylam	0.769	0.745	0.776	0.779	0.753	0.721	0.733	6.32
64)	T	1,2-Diphenylhydrazi	0.236	0.254	0.252	0.257	0.259	0.242	0.243	5.81
65)	S	2,4,6-Tribromopheno	0.098	0.111	0.121	0.126	0.136	0.127	0.118	14.27
66)	T,P	4-Bromophenyl-pheny	0.215	0.198	0.196	0.209	0.205	0.200	0.199	4.80
67)	T,P	Hexachlorobenzene	0.235	0.236	0.245	0.249	0.245	0.239	0.238	3.32
68)	M,C,P	Pentachlorophenol	0.045	0.064	0.099	0.127	0.145	0.152	0.118	37.08#
69)	T	n-Octadecane	0.501	0.501	0.484	0.483	0.451	0.392	0.445	14.42
70)	T,P	Phenanthrene	1.222	1.208	1.217	1.231	1.174	1.107	1.194	13.36
71)	T,P	Anthracene	1.206	1.192	1.257	1.289	1.243	1.160	1.200	7.14
72)	T	Carbazole	1.156	1.189	1.203	1.229	1.187	1.117	1.140	6.19
73)	T,P	Di-n-butylphthalate	1.564	1.557	1.600	1.612	1.523	1.455	1.494	7.20
74)	C,P	Fluoranthene	1.097	1.058	1.105	1.139	1.103	1.036	1.093	9.62
75)	I	Chrysene-d12	----------ISTD----------							
76)	T	Benzidine	0.710	0.793	0.866	1.088	0.995	0.977	0.902	19.37
77)	M,P	Pyrene	1.364	1.389	1.377	1.429	1.437	1.429	1.448	7.25
78)	S	Terphenyl-d14	0.984	1.038	0.997	1.012	1.036	1.008	1.005	4.64
79)	T,P	Butylbenzylphthalat	0.760	0.813	0.824	0.840	0.867	0.860	0.824	7.05
80)	T	bis-2-Ethylhexyladi	0.664	0.751	0.745	0.773	0.780	0.761	0.740	6.49
81)	T,P	3,3'-Dichlorobenzid	0.452	0.459	0.499	0.515	0.541	0.541	0.509	11.50
82)	T,P	Benzo[a]anthracene	1.228	1.280	1.228	1.285	1.272	1.274	1.278	3.26
83)	T,P	Chrysene	1.165	1.166	1.154	1.218	1.198	1.219	1.199	2.56
84)	T,P	bis(2-Ethylhexyl)ph	1.061	1.038	1.090	1.138	1.119	1.092	1.076	3.54
85)	C,P	Di-n-octylphthalate	1.806	1.927	1.983	2.116	2.116	2.106	1.995	7.87
86)	I	Perylene-d12	----------ISTD----------							
87)	T,P	Benzo[b]fluoranthen	1.098	1.151	1.140	1.207	1.152	1.142	1.163	3.19
88)	T,P	Benzo(j,k)fluoranth	1.129	1.172	1.167	1.189	1.175	1.117	1.128	6.79
89)	C,P	Benzo[a]pyrene	0.975	0.987	1.012	1.054	1.030	0.995	1.000	2.93
90)	T,P	Indeno[1,2,3-cd]pyr	0.946	0.965	0.999	1.055	1.076	1.086	1.017	9.29
91)	T,P	Dibenz[a,h]anthrace	0.920	0.937	0.976	1.032	1.031	1.013	0.973	6.62
92)	T,P	Benzo[g,h,i]perylen	0.938	0.945	0.975	1.025	1.017	1.000	0.976	5.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

SV230410.M Fri Jun 02 11:30:35 2023

Response Factor Report Jessie

Method Path : C:\msdchem\1\methods\
Method File : SV230410.M
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Fri Jun 02 11:07:41 2023
Response Via : Initial Calibration

Calibration Files
1 =J0410007.D 2 =J0410008.D 5 =J0410009.D 10 =J0410010.D 20 =J0503001.D 35 =J0410012.D 50 =J0410013.D
60 =J0410014.D 0.5 =J0410006.D

		Compound	1	2	5	10	20	35	50	60	0.5	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	ISTD										
2)	T	n-Nitrosodimet...	0.904	0.890	0.898	0.860	0.914	0.894	0.894	0.858	0.826	0.882	3.17
3)	T	Pyridine	1.240	1.432	1.418	1.344	1.437	1.413	1.415	1.361	1.414	1.386	4.55
4)	S	2-Fluorophenol	1.451	1.428	1.485	1.420	1.502	1.441	1.455	1.391	1.288	1.429	4.38
5)	S	Phenol-d6	1.781	1.818	1.861	1.811	1.856	1.772	1.763	1.689	1.785	1.793	2.91
6)	M,C	Phenol	2.049	2.133	2.145	2.003	2.131	1.840	1.871	1.758	2.135	2.007	7.42
7)	T	Aniline	2.167	2.281	2.262	2.134	2.267	2.177	2.198	2.076	2.172	2.193	3.08
8)	T	bis(2-Chloroet...	1.620	1.598	1.615	1.531	1.613	1.522	1.509	1.462	1.716	1.576	4.87
9)	M	2-Chlorophenol	1.520	1.520	1.537	1.412	1.500	1.438	1.446	1.395	1.496	1.474	3.51
10)	T	n-Decane	2.447	2.436	2.320	2.166	2.163	1.927	1.843	1.737	2.469	2.167	12.77
11)	T	1,3-Dichlorobe...	1.569	1.669	1.652	1.540	1.654	1.569	1.575	1.511	1.623	1.596	3.50
12)	M,C	1,4-Dichlorobe...	1.661	1.646	1.692	1.553	1.697	1.607	1.600	1.530	1.624	1.623	3.55
13)	T	Benzyl alcohol	0.712	0.753	0.859	0.855	0.865	0.867	0.897	0.877	0.613	0.811	11.89
14)	T	1,2-Dichlorobe...	1.556	1.606	1.550	1.476	1.566	1.489	1.499	1.439	1.549	1.525	3.44
15)	T	2-Methylphenol...	1.259	1.495	1.321	1.231	1.311	1.220	1.223	1.183	1.397	1.293	7.73
16)	T	bis(2-Chlorois...	3.131	3.186	3.076	2.859	2.918	2.658	2.598	2.446	3.246	2.902	9.78
17)	T	(3+4)-Methylph...	1.599	1.684	1.645	1.572	1.630	1.558	1.557	1.490	1.599	1.593	3.58
18)	M,P	n-Nitroso-di-n...	1.158	1.181	1.184	1.127	1.166	1.098	1.096	1.056	1.126	1.132	3.85
19)	T	Hexachloroethane	0.673	0.687	0.686	0.645	0.686	0.662	0.668	0.641	0.667	0.668	2.56
20)	I	Naphthalene-d8	ISTD										
21)	S	Nitrobenzene-d5	0.429	0.425	0.429	0.421	0.441	0.412	0.417	0.400	0.432	0.423	2.85
22)	T	Nitrobenzene	0.436	0.434	0.440	0.410	0.447	0.409	0.407	0.392	0.433	0.423	4.41
23)	T	Isophorone	0.840	0.817	0.819	0.777	0.816	0.750	0.738	0.707	0.806	0.786	5.71
24)	C	2-Nitrophenol	0.182	0.190	0.203	0.199	0.217	0.201	0.201	0.195	0.194	0.198	4.89
25)	T	2,4-Dimethylph...	0.300	0.285	0.305	0.291	0.310	0.293	0.305	0.293	0.286	0.296	3.03
26)	T	bis(2-Chloroet...	0.500	0.475	0.473	0.448	0.475	0.442	0.438	0.423	0.509	0.465	6.27
27)	T	Benzoic Acid	0.076	0.105	0.150	0.179	0.216	0.238	0.247	0.248	0.044	0.167	46.49
28)	C	2,4-Dichloroph...	0.305	0.312	0.316	0.303	0.329	0.306	0.307	0.296	0.295	0.308	3.34
29)	M	1,2,4-Trichlor...	0.322	0.316	0.330	0.309	0.335	0.315	0.317	0.306	0.322	0.319	2.91
30)	T	Naphthalene	1.146	1.152	1.151	1.079	1.132	0.987	0.928	0.854	1.146	1.064	10.62
31)	T	4-Chloroaniline	0.155	0.156	0.160	0.155	0.165	0.154	0.151	0.147	0.148	0.155	3.70
32)	C	Hexachlorobuta...	0.177	0.172	0.175	0.168	0.185	0.175	0.179	0.173	0.185	0.177	3.28
33)	M,C	4-Chloro-3-met...	0.347	0.346	0.361	0.355	0.379	0.355	0.355	0.339	0.335	0.352	3.73
34)	T	2-Methylnaphth...	0.729	0.733	0.752	0.721	0.754	0.692	0.678	0.639	0.719	0.713	5.22
35)	T	1-Methylnaphth...	0.685	0.693	0.708	0.669	0.704	0.648	0.633	0.601	0.682	0.669	5.32
36)	I	Acenaphthene-d10	ISTD										

6/7/23

Method Path : C:\msdchem\1\methods\
Method File : SV230410.M
Title : Semivolatiles by GC/MS - Method 8270D

37)	P	Hexachlorocycl...	0.106	0.109	0.164	0.186	0.227	0.250	0.262	0.255		0.195	32.78
38)	C	2,4,6-Trichlor...	0.358	0.355	0.363	0.344	0.360	0.356	0.358	0.349	0.310	0.350	4.60
39)	T	2,3-Dichloroan...	0.626	0.630	0.635	0.615	0.631	0.606	0.606	0.583	0.584	0.613	3.21
40)	T	2,4,5-Trichlor...	0.355	0.379	0.395	0.382	0.397	0.396	0.358	0.388	0.353	0.378	4.79
41)	S	2-Fluorobiphenyl	1.340	1.343	1.357	1.307	1.327	1.254	1.200	1.137	1.297	1.285	5.78
42)	T	2-Chloronaphth...	1.147	1.166	1.181	1.130	1.158	1.103	1.072	1.020	1.168	1.127	4.69
43)	T	2-Nitroaniline	0.418	0.415	0.438	0.439	0.442	0.432	0.427	0.410	0.418	0.427	2.76
44)	T	1,4-Dinitroben...	0.162	0.179	0.194	0.200	0.214	0.215	0.215	0.213	0.153	0.194	12.33
45)	T	Dimethylphthalate	1.384	1.360	1.380	1.320	1.346	1.281	1.260	1.213	1.272	1.313	4.53
46)	T	1,3-Dinitroben...	0.202	0.222	0.231	0.234	0.241	0.236	0.238	0.233	0.198	0.226	6.91
47)	T	2,6-Dinitrotol...	0.293	0.306	0.321	0.317	0.322	0.314	0.311	0.307	0.284	0.308	4.13
48)	T	1,2-Dinitroben...	0.139	0.148	0.156	0.154	0.160	0.156	0.157	0.156	0.128	0.151	6.91
49)	T	Acenaphthylene	1.762	1.718	1.741	1.694	1.703	1.579	1.507	1.407	1.708	1.646	7.37
50)	T	3-Nitroaniline	0.396	0.400	0.426	0.407	0.433	0.419	0.412	0.403	0.391	0.410	3.42
51)	P	2,4-Dinitrophenol		0.002	0.015	0.046	0.078	0.114	0.139	0.148		0.077	76.18
52)	M,C	Acenaphthene	1.099	1.073	1.073	1.061	1.111	1.079	1.068	1.030	1.081	1.075	2.14
53)	M,P	4-Nitrophenol	0.208	0.220	0.247	0.269	0.303	0.314	0.321	0.317	0.185	0.265	19.68
54)	M	2,4-Dinitrotol...	0.363	0.381	0.407	0.402	0.428	0.421	0.422	0.414	0.339	0.397	7.63
55)	T	Dibenzofuran	1.692	1.662	1.679	1.605	1.642	1.523	1.435	1.366	1.662	1.585	7.40
56)	T	2,3,5,6-Tetrac...	0.185	0.215	0.248	0.266	0.286	0.292	0.298	0.293	0.151	0.248	21.48
57)	T	2,3,4,6-Tetrac...	0.241	0.258	0.273	0.267	0.299	0.308	0.311	0.304	0.216	0.275	12.03
58)	T	Diethylphthalate	1.342	1.342	1.362	1.293	1.343	1.267	1.221	1.158	1.231	1.284	5.47
59)	T	4-Chlorophenyl...	0.607	0.625	0.635	0.617	0.630	0.609	0.616	0.600	0.632	0.619	1.97
60)	T	4-Nitroaniline	0.335	0.344	0.359	0.364	0.377	0.365	0.370	0.363	0.299	0.353	6.78
61)	T	Fluorene	1.408	1.382	1.376	1.345	1.369	1.293	1.246	1.183	1.378	1.331	5.63
62)	I	Phenanthrene-d10	----------ISTD----------										
63)	T	4,6-Dinitro-2-...		0.018	0.045	0.076	0.109	0.130	0.136	0.142		0.094	51.66
64)	C	n-Nitrosodiphe...	0.698	0.705	0.716	0.698	0.711	0.684	0.654	0.636	0.682	0.687	3.93
65)	T	1,2-Diphenylhy...	0.229	0.222	0.223	0.217	0.225	0.222	0.216	0.216	0.224	0.222	2.07
66)	S	2,4,6-Tribromo...	0.084	0.092	0.095	0.097	0.106	0.110	0.109	0.108	0.067	0.097	14.53
67)	T	4-Bromophenyl-...	0.213	0.202	0.213	0.210	0.217	0.215	0.213	0.214	0.207	0.212	2.26
68)	T	Hexachlorobenzene	0.214	0.218	0.218	0.210	0.227	0.229	0.223	0.225	0.204	0.219	3.77
69)	M,C	Pentachlorophenol	0.018	0.041	0.066	0.090	0.116	0.128	0.131	0.137	0.018	0.083	58.70#
70)	T	n-Octadecane	0.558	0.568	0.550	0.527	0.508	0.460	0.425	0.405	0.545	0.505	12.02
71)	T	Phenanthrene	1.164	1.155	1.157	1.116	1.126	1.059	0.976	0.936	1.305	1.111	9.88
72)	T	Anthracene	1.167	1.142	1.159	1.130	1.146	1.070	0.983	0.942	1.175	1.102	7.71
73)	T	Carbazole	1.147	1.104	1.132	1.093	1.097	1.036	0.982	0.945	1.078	1.068	6.34
74)	T	Di-n-butylphth...	1.383	1.385	1.444	1.386	1.396	1.262	1.143	1.097	1.332	1.314	9.23
75)	C	Fluoranthene	1.269	1.252	1.258	1.233	1.259	1.195	1.135	1.091	1.332	1.225	6.02
76)	I	Chrysene-d12	----------ISTD----------										
77)	T	Benzidine	0.519	0.537	0.640	0.686	0.736	0.747	0.751	0.790	0.524	0.659	16.38
78)	M	Pyrene	1.425	1.408	1.403	1.405	1.433	1.328	1.276	1.210	1.476	1.374	6.21
79)	S	Terphenyl-d14	1.001	1.001	1.028	1.031	1.043	1.002	0.978	0.940	0.983	1.001	3.15
80)	T	Butylbenzylpht...	0.677	0.672	0.700	0.696	0.718	0.682	0.664	0.647	0.659	0.680	3.28
81)	T	bis-2-Ethylhex...	0.655	0.638	0.665	0.663	0.676	0.632	0.625	0.604	0.626	0.643	3.65
82)	T	3,3'-Dichlorob...	0.423	0.426	0.454	0.480	0.494	0.486	0.493	0.488	0.387	0.459	8.41

Method Path : C:\msdchem\1\methods\
Method File : SV230410.M
Title : Semivolatiles by GC/MS - Method 8270D

83)	T	Benzo[a]anthra...	1.313	1.278	1.285	1.276	1.325	1.262	1.251	1.214	1.415	1.291	4.40
84)	T	Chrysene	1.171	1.142	1.147	1.150	1.192	1.138	1.110	1.084	1.137	1.141	2.75
85)	T	bis(2-Ethylhex...	0.998	0.959	0.991	0.984	1.019	0.942	0.923	0.876	0.963	0.962	4.53
86)	C	Di-n-octylphth...	1.713	1.705	1.748	1.731	1.779	1.616	1.530	1.440	1.707	1.663	6.77
87)	I	Perylene-d12	----------ISTD----------										
88)	T	Benzo[b]fluora...	1.248	1.208	1.219	1.193	1.272	1.246	1.276	1.257	1.221	1.238	2.34
89)	T	Benzo(j,k)fluo...	1.157	1.152	1.226	1.180	1.217	1.175	1.139	1.107	1.152	1.167	3.20
90)	C	Benzo[a]pyrene	1.003	1.026	1.053	1.047	1.096	1.076	1.068	1.060	1.005	1.048	3.01
91)	T	Indeno[1,2,3-c...	0.980	0.974	1.082	1.075	1.180	1.206	1.280	1.270	0.972	1.113	11.23
92)	T	Dibenz[a,h]ant...	0.998	0.932	1.052	1.059	1.150	1.154	1.169	1.171	0.940	1.070	9.05
93)	T	Benzo[g,h,i]pe...	0.987	0.980	1.045	1.046	1.117	1.106	1.122	1.116	0.991	1.057	5.71

(#) = Out of Range

368

Response Factor Report Corey

Method Path : C:\MSDCHEM\1\METHODS\
Method File : CS230411.M
Title : PAH'S BY SIMS
Last Update : Fri May 12 12:57:07 2023
Response Via : Initial Calibration

Calibration Files
10 =C0411020.D 20 =C0411021.D 50 =C0411022.D 100 =C0411023.D 200 =C0411024.D 500 =C0512002.D 1000=C0411026.D
5000=C0411027.D

		Compound	10	20	50	100	200	500	1000	5000	Avg	%RSD
1)	I	Naphthalene-d8	ISTD									
2)	T	Naphthalene	1.302	1.315	1.259	1.282	1.424	1.333	1.374	1.164	1.307	5.94
3)	T	2-Methylnaphth...	0.909	0.875	0.855	0.857	0.848	0.812	0.854	0.749	0.845	5.60
4)	T	1-Methylnaphth...	0.850	0.815	0.812	0.812	0.803	0.767	0.805	0.712	0.797	5.15
5)	I	Acenaphthene-d10	ISTD									
6)	S	2-Fluorobiphenyl	2.154	2.053	1.967	1.953	2.079	1.982	1.806	1.650	1.956	8.21
7)	T	Acenaphthylene	3.081	2.923	2.704	2.796	2.783	2.532	2.495	2.027	2.668	12.08
8)	T,M	Acenaphthene	1.807	1.780	1.739	1.713	1.688	1.615	1.626	1.368	1.667	8.29
9)	I	Phenanthrene-d10	ISTD									
10)	S	Pyrene-d10	1.279	1.293	1.089	1.131	1.053	1.019	1.012	0.902	1.097	12.23
11)	T	Fluorene	1.138	1.111	1.056	1.076	1.053	1.005	0.988	0.829	1.032	9.29
12)	T	Phenanthrene	1.758	1.654	1.468	1.474	1.407	1.360	1.348	1.119	1.448	13.51
13)	T	Anthracene	1.722	1.655	1.526	1.554	1.494	1.447	1.431	1.174	1.500	11.00
14)	T	Fluoranthene		2.010	1.747	1.762	1.611	1.544	1.533	1.177	1.626	15.84
15)	T,M	Pyrene		2.036	1.728	1.752	1.577	1.497	1.498	1.181	1.610	16.56
16)	I	Chrysene-d12	ISTD									
17)	S	Terphenyl-d14		2.035	1.218	1.312	1.100	1.021	1.017	0.892	1.228	31.11
18)	T	Benzo[a]anthra...	3.046	2.454	2.012	1.935	1.860	1.777	1.774	1.533	2.049	23.50
19)	T	Chrysene	2.334	2.094	1.836	1.832	1.806	1.721	1.707	1.460	1.849	14.26
20)	I	Perylene-d12	ISTD									
21)	T	Benzo[b]fluora...	2.534	2.212	1.958	1.785	1.724	1.660	1.673	1.496	1.880	18.16
22)	T	Benzo(j,k)fluo...	2.131	1.892	1.638	1.795	1.730	1.658	1.630	1.366	1.730	12.87
23)	T	Benzo[a]pyrene	2.039	1.823	1.597	1.591	1.545	1.491	1.498	1.321	1.613	13.76
24)	T	Indeno(1,2,3-c...	2.133	1.889	1.675	1.711	1.666	1.622	1.647	1.531	1.734	10.97
25)	T	Dibenz[a,h]ant...	2.063	1.829	1.662	1.659	1.628	1.572	1.599	1.414	1.678	11.52
26)	T	Benzo[g,h,i]pe...	2.347	2.056	1.761	1.735	1.697	1.632	1.641	1.449	1.790	15.76

(#) = Out of Range

Compound List Report Ralph

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Thu May 11 08:45:53 2023
Response via : Initial Calibration
Total Cpnds : 92

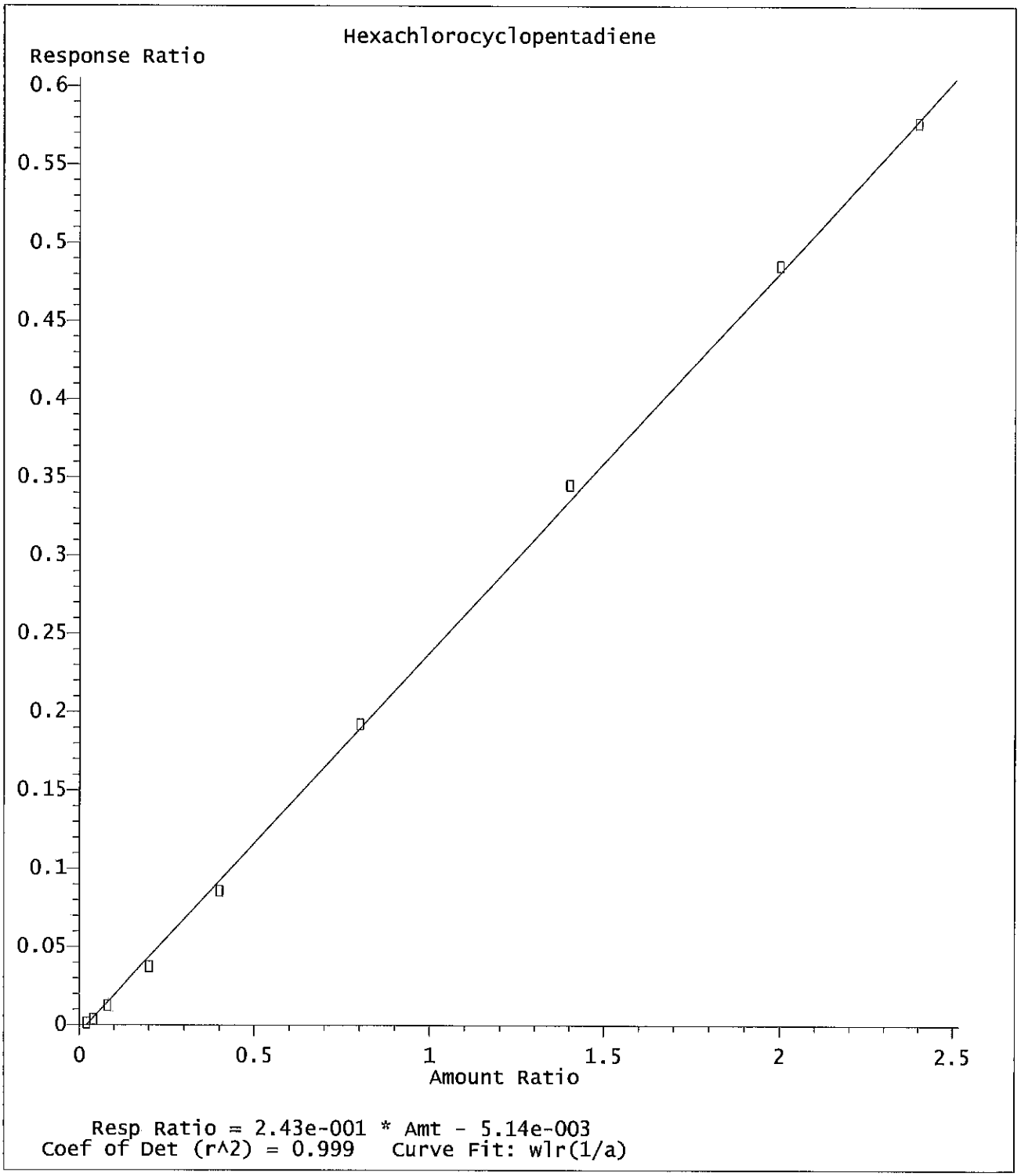
PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	1,4-Dichlorobenzene-d4	152	6.10	1.000	A	2	A	B
2	T	n-Nitrosodimethylamine	42	3.10	0.509	A	2	A	B
3	T	Pyridine	79	3.14	0.515	A	2	A	B
4	S	2-Fluorophenol	112	4.55	0.745	A	1	A	B
5	S	Phenol-d6	99	5.62	0.921	A	2	A	B
6	M,C,P	Phenol	94	5.64	0.924	A	2	A	B
7	T	Aniline	93	5.69	0.934	A	2	A	B
8	T	bis(2-Chloroethyl)ether	93	5.74	0.942	A	2	A	B
9	M,P	2-Chlorophenol	128	5.85	0.960	A	2	A	B
10	T	n-Decane	43	5.86	0.961	A	2	A	B
11	T	1,3-Dichlorobenzene	146	6.03	0.989	A	2	A	B
12	M,C	1,4-Dichlorobenzene	146	6.12	1.003	A	2	A	B
13	T	Benzyl alcohol	108	6.23	1.023	A	2	A	B
14	T	1,2-Dichlorobenzene	146	6.30	1.034	A	2	A	B
15	T	2-Methylphenol (o-Cresol)	107	6.36	1.043	A	3	A	B
16	T	bis(2-Chloroisopropyl)ether	45	6.39	1.048	A	2	A	B
17	T	(3+4)-Methylphenol (m,p-Cresol	107	6.55	1.074	A	3	A	B
18	M,P	n-Nitroso-di-n-propylamine	70	6.55	1.074	A	3	A	B
19	T	Hexachloroethane	117	6.72	1.101	A	2	A	B
20	I	Naphthalene-d8	136	7.65	1.000	A	1	A	B
21	S	Nitrobenzene-d5	82	6.76	0.883	A	2	A	B
22	T	Nitrobenzene	77	6.78	0.887	A	2	A	B
23	T	Isophorone	82	7.06	0.923	A	2	A	B
24	C,P	2-Nitrophenol	139	7.17	0.937	A	2	A	B
25	T	2,4-Dimethylphenol	122	7.19	0.940	A	2	A	B
26	T	bis(2-Chloroethoxy)methane	93	7.31	0.955	A	2	A	B
27	C,P	2,4-Dichlorophenol	162	7.46	0.976	A	2	A	B
28	M	1,2,4-Trichlorobenzene	180	7.57	0.990	A	2	A	B
29	T	Naphthalene	128	7.67	1.003	A	2	A	B
30	T	4-Chloroaniline	65	7.71	1.008	A	3	A	B
31	C,P	Hexachlorobutadiene	225	7.81	1.021	A	2	A	B
32	M,C,P	4-Chloro-3-methylphenol	107	8.29	1.083	A	2	A	B
33	T	2-Methylnaphthalene	142	8.50	1.112	A	1	A	B
34	T	1-Methylnaphthalene	142	8.63	1.128	A	1	A	B
35	I	Acenaphthene-d10	164	9.78	1.000	A	2	A	B
36	P	Hexachlorocyclopentadiene	237	8.69	0.888	L	2	A	B
37	C,P	2,4,6-Trichlorophenol	196	8.84	0.904	A	2	A	B
38	T	2,3-Dichloroaniline	161	8.84	0.904	A	1	A	B
39	T	2,4,5-Trichlorophenol	196	8.90	0.910	A	2	A	B
40	S	2-Fluorobiphenyl	172	8.94	0.914	A	1	A	B
41	T	2-Chloronaphthalene	162	9.10	0.931	A	2	A	B
42	T	2-Nitroaniline	65	9.20	0.941	A	2	A	B
43	T	1,4-Dinitrobenzene	168	9.36	0.957	A	2	A	B
44	T	Dimethylphthalate	163	9.41	0.962	A	2	A	B
45	T	1,3-Dinitrobenzene	168	9.46	0.967	A	3	A	B
46	T	2,6-Dinitrotoluene	165	9.49	0.970	A	2	A	B
47	T	1,2-Dinitrobenzene	168	9.56	0.978	A	2	A	B
48	T	Acenaphthylene	152	9.61	0.983	A	2	A	B
49	T	3-Nitroaniline	138	9.70	0.992	A	2	A	B
50	P	2,4-Dinitrophenol	184	9.82	1.004	L	3	A	B
51	M,C	Acenaphthene	154	9.82	1.004	A	2	A	B
52	M,P	4-Nitrophenol	65	9.90	1.012	L	2	A	R
53	M	2,4-Dinitrotoluene	165	9.98	1.020	A	2	A	B
54	T	Dibenzofuran	168	10.02	1.024	A	1	A	B
55	T	2,3,5,6-Tetrachlorophenol	232	10.10	1.033	L	2	A	B
56	T	2,3,4,6-Tetrachlorophenol	232	10.16	1.039	A	2	A	B
57	T	Diethylphthalate	149	10.25	1.048	A	2	A	B
58	T	4-Chlorophenyl-phenylether	204	10.41	1.064	A	2	A	B
59	T	4-Nitroaniline	138	10.44	1.067	A	3	A	B
60	T	Fluorene	166	10.44	1.067	A	2	A	B
61	I	Phenanthrene-d10	188	11.60	1.000	A	1	A	B
62	T	4,6-Dinitro-2-methylphenol	198	10.47	0.903	L	2	A	B
63	C,P	n-Nitrosodiphenylamine	169	10.55	0.909	A	2	A	B
64	T	1,2-Diphenylhydrazine	182	10.61	0.914	A	2	A	B

JH 6/2/23

65	S	2,4,6-Tribromophenol	330	10.72	0.925	A	2	A	B
66	T	4-Bromophenyl-phenylether	248	11.01	0.949	A	2	A	B
67	T	Hexachlorobenzene	284	11.11	0.958	A	2	A	B
68	M,C,P	Pentachlorophenol	266	11.34	0.978	L	2	A	B
69	T	n-Octadecane	43	11.37	0.981	A	3	A	B
70	T	Phenanthrene	178	11.63	1.003	A	2	A	B
71	T	Anthracene	178	11.70	1.008	A	2	A	B
72	T	Carbazole	167	11.89	1.025	A	1	A	B
73	T	Di-n-butylphthalate	149	12.33	1.064	A	2	A	B
74	C,P	Fluoranthene	202	13.40	1.155	A	2	A	B
75	I	Chrysene-d12	240	16.04	1.000	A	2	A	B
76	T	Benzidine	184	13.57	0.846	A	2	A	B
77	M,P	Pyrene	202	13.78	0.859	A	2	A	B
78	S	Terphenyl-d14	244	14.01	0.874	A	2	A	B
79	T	Butylbenzylphthalate	149	14.90	0.929	A	2	A	B
80	T	bis-2-Ethylhexyladipate	129	15.04	0.938	A	2	A	B
81	T	3,3'-Dichlorobenzidine	252	15.94	0.994	A	2	A	B
82	T	Benzo[a]anthracene	228	16.01	0.998	A	2	A	B
83	T	Chrysene	228	16.09	1.003	A	2	A	B
84	T	bis(2-Ethylhexyl)phthalate	149	16.04	1.000	A	2	A	B
85	C,P	Di-n-octylphthalate	149	17.34	1.081	A	2	A	B
86	I	Perylene-d12	264	18.98	1.000	A	2	A	B
87	T	Benzo[b]fluoranthene	252	18.14	0.956	A	2	A	B
88	T	Benzo(j,k)fluoranthene	252	18.20	0.959	A	2	A	B
89	C,P	Benzo[a]pyrene	252	18.85	0.993	A	2	A	B
90	T	Indeno[1,2,3-cd]pyrene	276	21.92	1.155	A	2	A	B
91	T	Dibenz[a,h]anthracene	278	22.00	1.159	A	2	A	B
92	T	Benzo[g,h,i]perylene	276	22.93	1.208	A	2	A	B

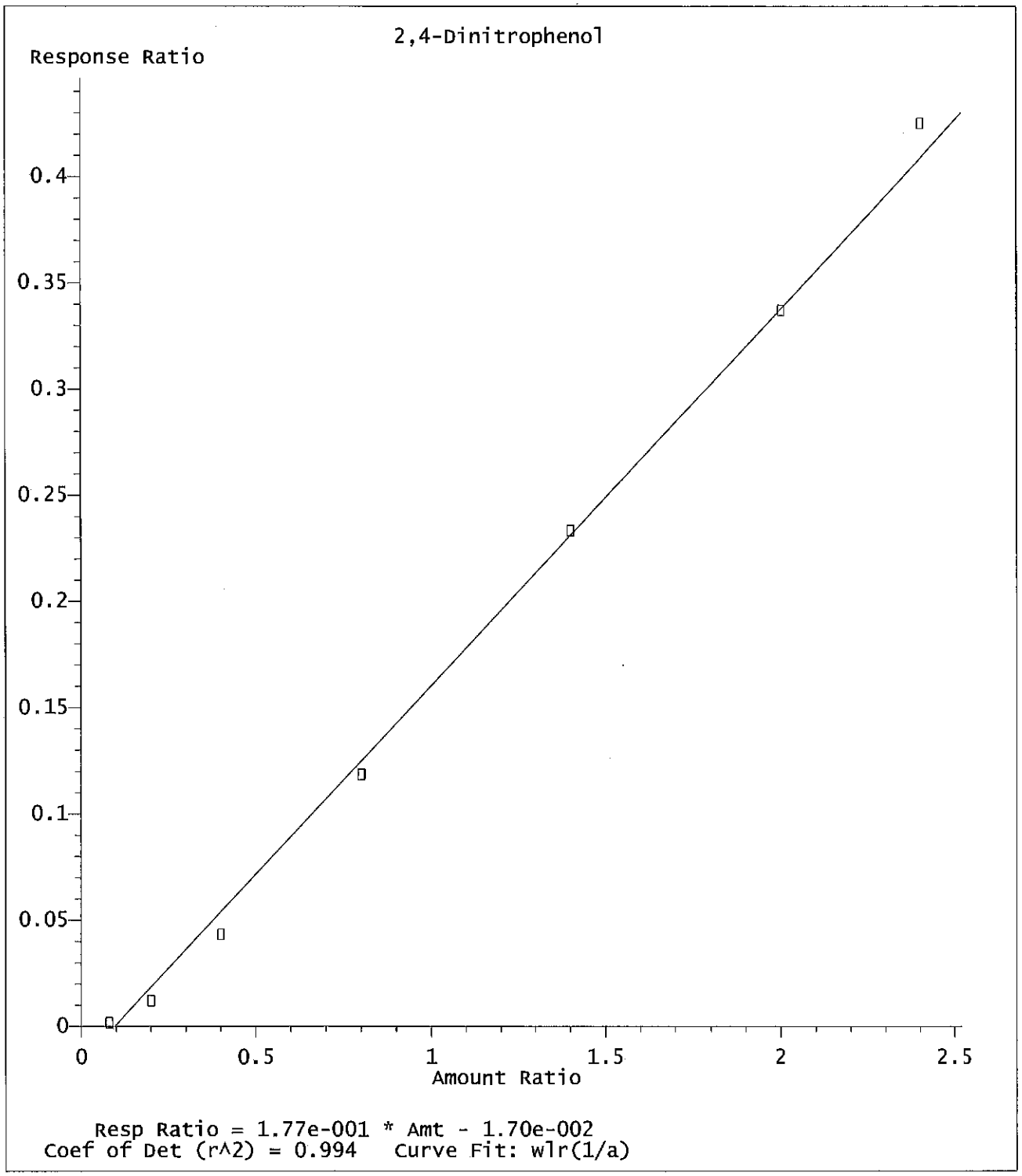
Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

SV230410.M Fri Jun 02 10:23:41 2023



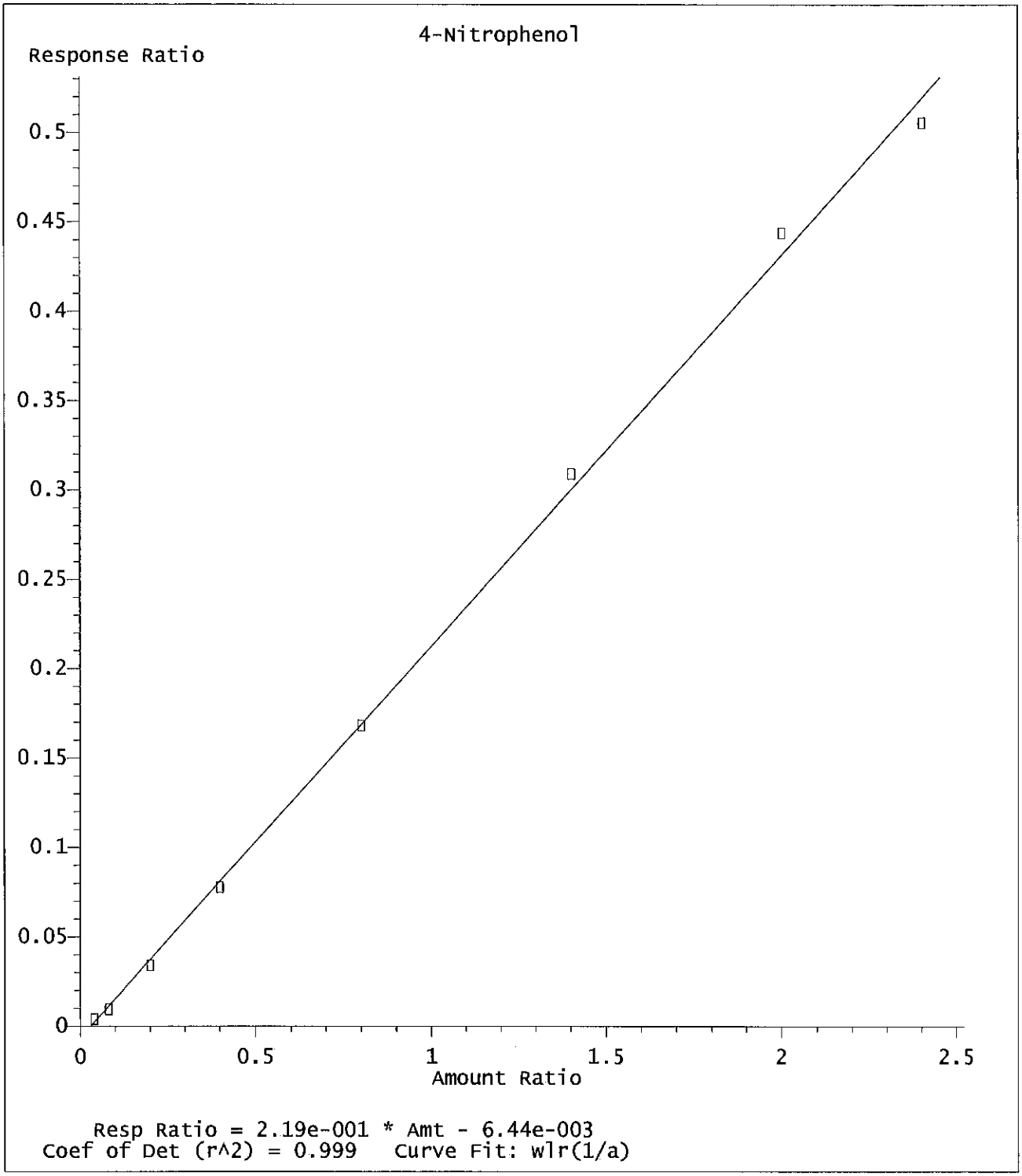
Method Name: E:\HPCHEM\1\METHODS\SV230410.M
Calibration Table Last Updated: Fri Jun 02 11:27:17 2023

VP
6/2/23



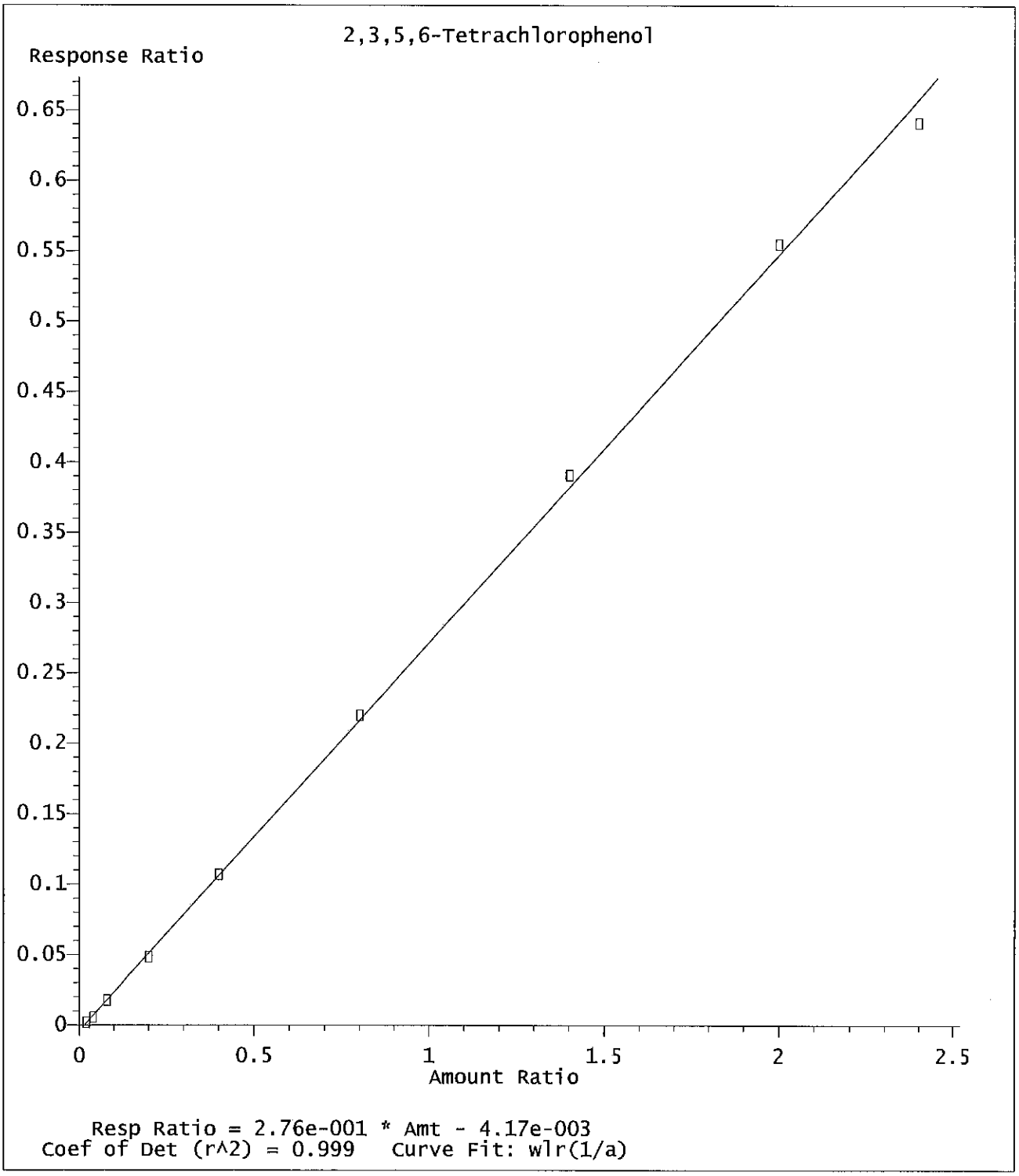
Method Name: E:\HPCHEM\1\METHODS\SV230410.M
Calibration Table Last Updated: Fri Jun 02 11:27:17 2023

JD
6/2/23



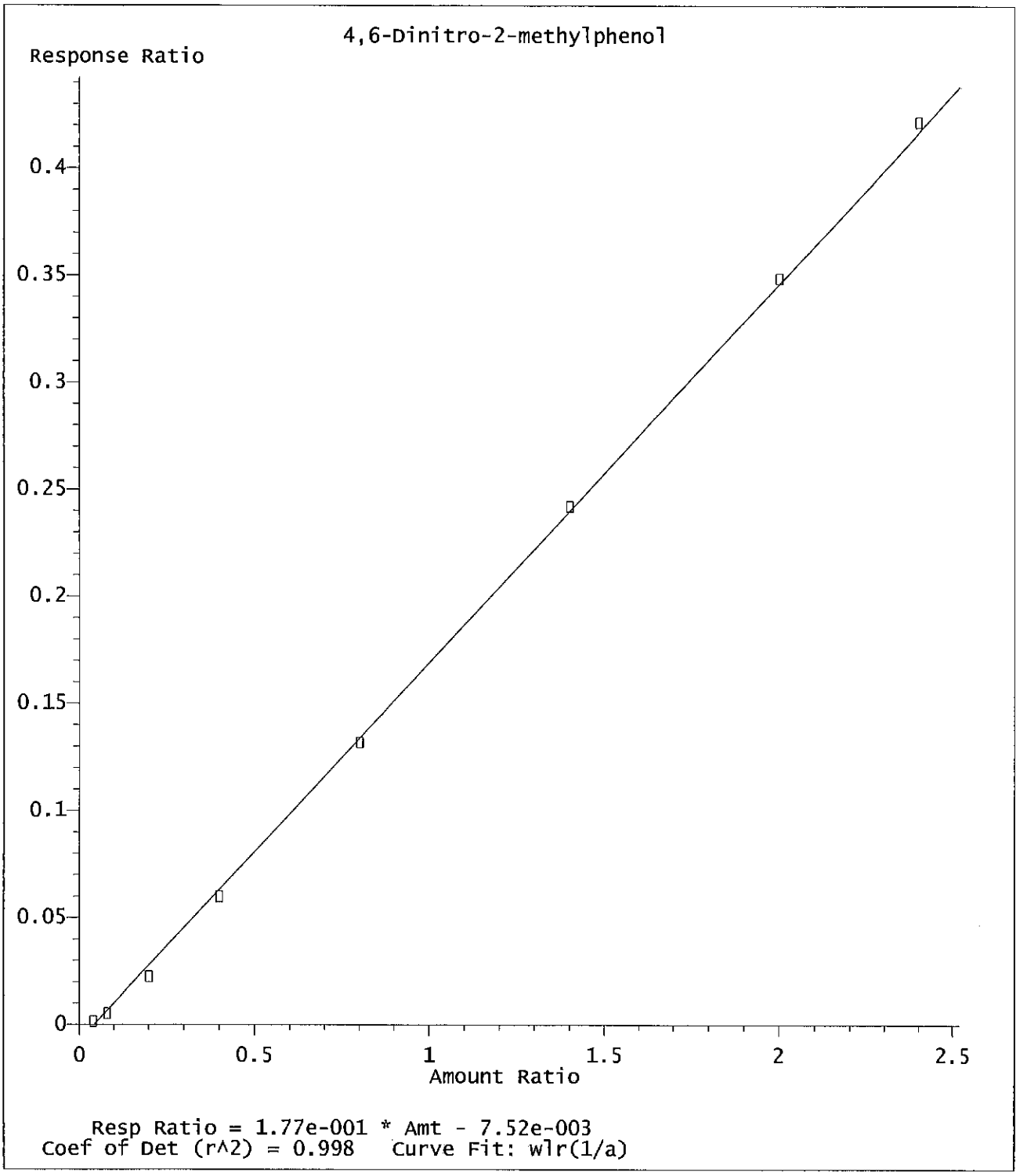
Method Name: E:\HPCHEM\1\METHODS\SV230410.M
Calibration Table Last Updated: Fri Jun 02 11:27:17 2023

JK
6/2/23



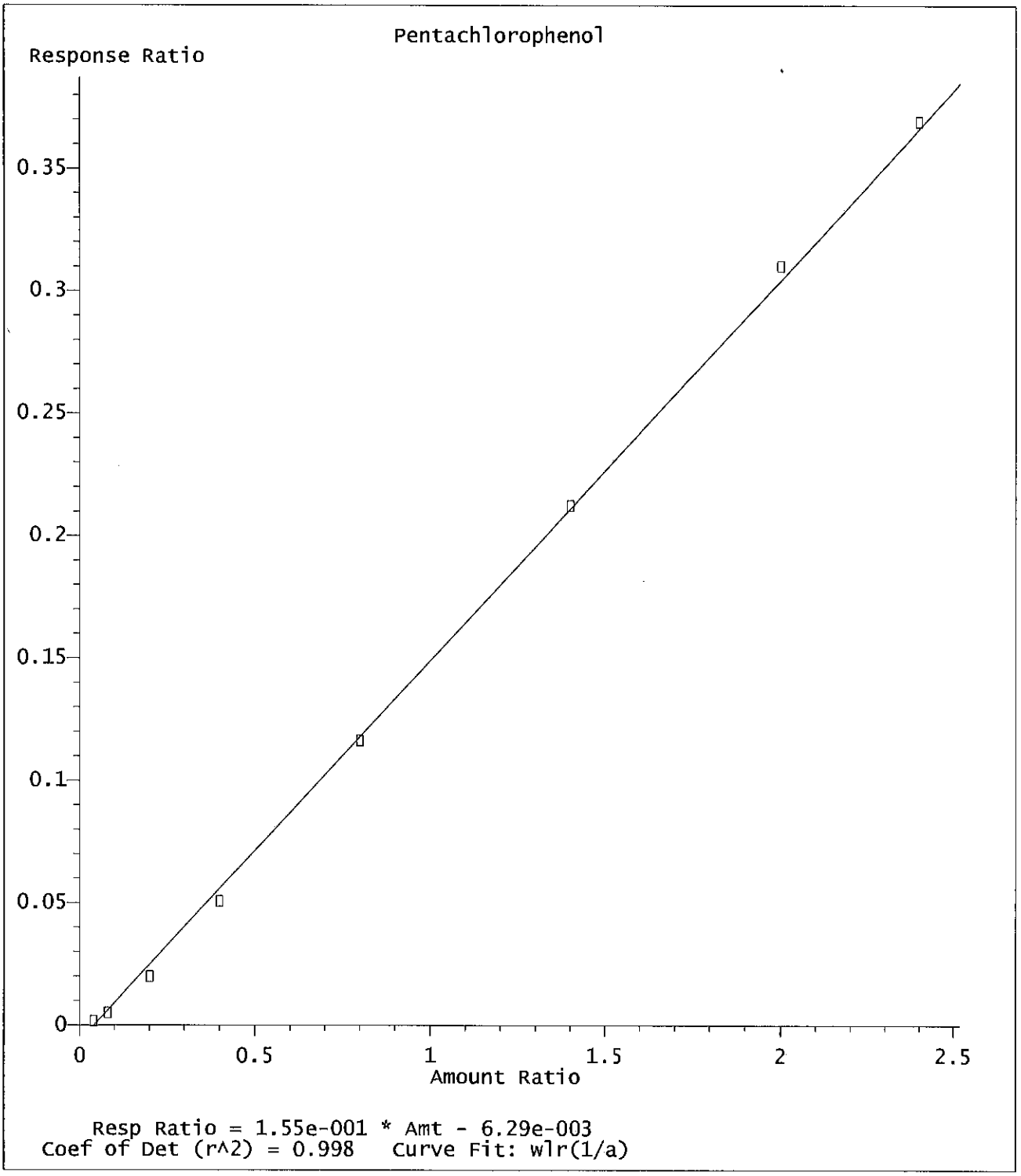
Method Name: E:\HPCHEM\1\METHODS\SV230410.M
Calibration Table Last Updated: Fri Jun 02 11:27:17 2023

JD
6/2/23



Method Name: E:\HPCHEM\1\METHODS\SV230410.M
Calibration Table Last Updated: Fri Jun 02 11:27:17 2023

JP
6/27/23



Method Name: E:\HPCHEM\1\METHODS\SV230410.M
Calibration Table Last Updated: Fri Jun 02 11:27:17 2023

JD
6/27/23

Compound List Report Jessie

Method Path : C:\msdchem\1\methods\
Method File : SV230410.M
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Fri Jun 02 11:07:41 2023
Response Via : Initial Calibration

Total Cpnds : 93

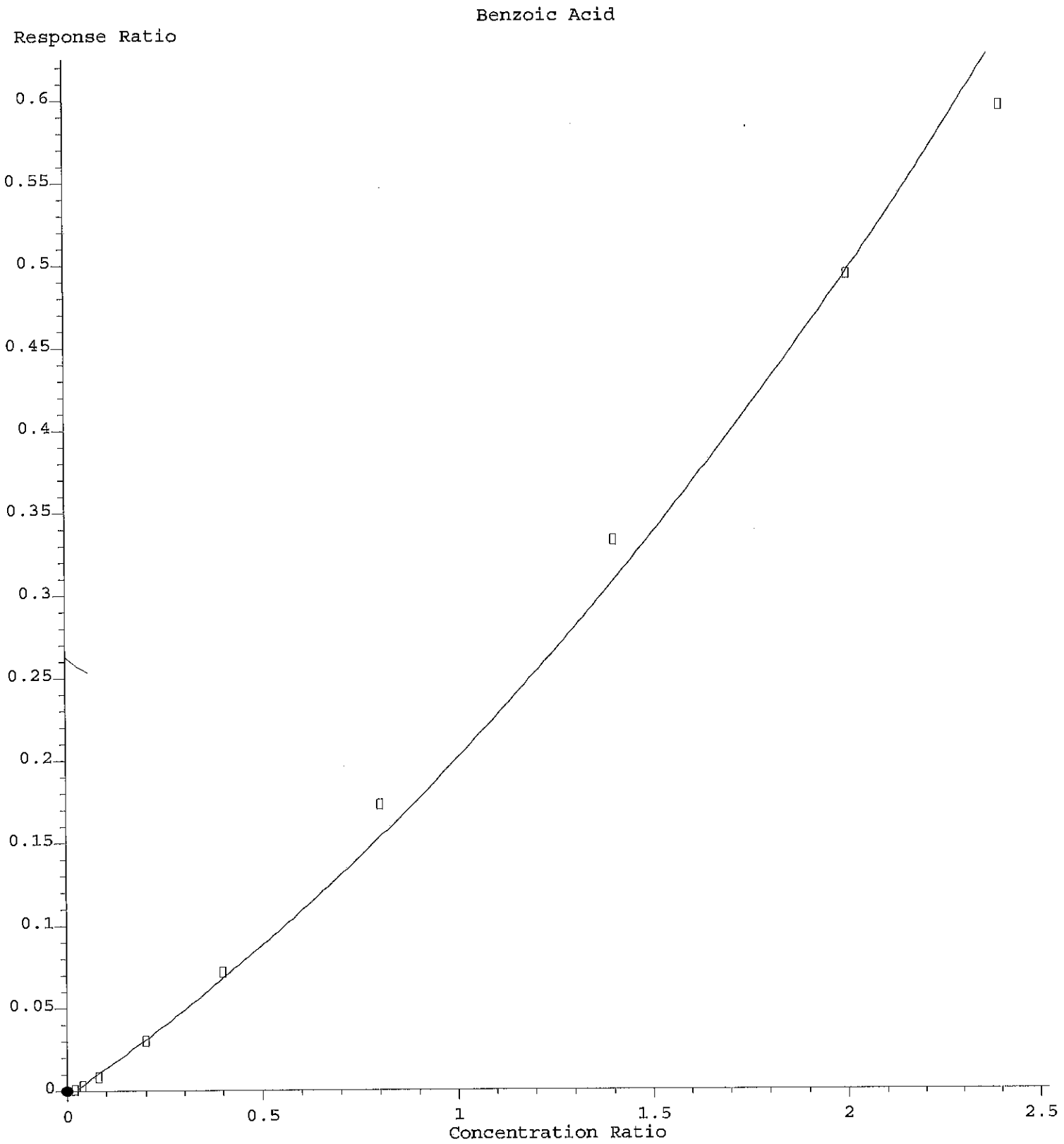
PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	1,4-Dichlorobenzene-d4	152	6.148	1.000	A	2	A	B
2	T	n-Nitrosodimethylamine	42	3.087	0.502	A	2	A	B
3	T	Pyridine	79	3.128	0.509	A	2	A	B
4	S	2-Fluorophenol	112	4.562	0.742	A	1	A	B
5	S	Phenol-d6	99	5.684	0.924	A	2	A	B
6	M,C	Phenol	94	5.701	0.927	A	2	A	B
7	T	Aniline	93	5.731	0.932	A	2	A	B
8	T	bis(2-Chloroethyl)ether	93	5.790	0.942	A	2	A	B
9	M	2-Chlorophenol	128	5.901	0.960	A	2	A	B
10	T	n-Decane	43	5.901	0.960	A	2	A	B
11	T	1,3-Dichlorobenzene	146	6.077	0.989	A	2	A	B
12	M,C	1,4-Dichlorobenzene	146	6.171	1.004	A	2	A	B
13	T	Benzyl alcohol	108	6.307	1.026	A	2	A	B
14	T	1,2-Dichlorobenzene	146	6.365	1.035	A	2	A	B
15	T	2-Methylphenol (o-Cresol)	107	6.453	1.050	A	3	A	B
16	T	bis(2-Chloroisopropyl)ether	45	6.465	1.052	A	2	A	B
17	T	(3+4)-Methylphenol (m,p-Cre...	107	6.647	1.081	A	3	A	B
18	M,P	n-Nitroso-di-n-propylamine	70	6.636	1.079	A	3	A	B
19	T	Hexachloroethane	117	6.794	1.105	A	2	A	B
20	I	Naphthalene-d8	136	7.770	1.000	A	1	A	B
21	S	Nitrobenzene-d5	82	6.847	0.881	A	2	A	B
22	T	Nitrobenzene	77	6.871	0.884	A	2	A	B
23	T	Isophorone	82	7.170	0.923	A	2	A	B
24	C	2-Nitrophenol	139	7.270	0.936	A	2	A	B
25	T	2,4-Dimethylphenol	122	7.317	0.942	A	2	A	B
26	T	bis(2-Chloroethoxy)methane	93	7.417	0.955	A	2	A	B
27	T	Benzoic Acid	105	7.441	0.958	Q	2	A	B
28	C	2,4-Dichlorophenol	162	7.605	0.979	A	2	A	B
29	M	1,2,4-Trichlorobenzene	180	7.687	0.989	A	2	A	B
30	T	Naphthalene	128	7.799	1.004	A	2	A	B
31	T	4-Chloroaniline	65	7.846	1.010	A	3	A	B
32	C	Hexachlorobutadiene	225	7.934	1.021	A	2	A	B
33	M,C	4-Chloro-3-methylphenol	107	8.475	1.091	A	2	A	B
34	T	2-Methylnaphthalene	142	8.669	1.116	A	1	A	B
35	T	1-Methylnaphthalene	142	8.798	1.132	A	1	A	B
36	I	Acenaphthene-d10	164	9.996	1.000	A	2	A	B
37	P	Hexachlorocyclopentadiene	237	8.857	0.886	L	2	A	B
38	C	2,4,6-Trichlorophenol	196	9.021	0.902	A	2	A	B
39	T	2,3-Dichloroaniline	161	9.021	0.902	A	1	A	B
40	T	2,4,5-Trichlorophenol	196	9.109	0.911	A	2	A	B
41	S	2-Fluorobiphenyl	172	9.121	0.912	A	1	A	B
42	T	2-Chloronaphthalene	162	9.291	0.929	A	2	A	B
43	T	2-Nitroaniline	65	9.409	0.941	A	2	A	B
44	T	1,4-Dinitrobenzene	168	9.573	0.958	A	2	A	B
45	T	Dimethylphthalate	163	9.620	0.962	A	2	A	B
46	T	1,3-Dinitrobenzene	168	9.673	0.968	A	3	A	B
47	T	2,6-Dinitrotoluene	165	9.703	0.971	A	2	A	B
48	T	1,2-Dinitrobenzene	168	9.785	0.979	A	2	A	B
49	T	Acenaphthylene	152	9.820	0.982	A	2	A	B
50	T	3-Nitroaniline	138	9.409	0.941	A	2	A	B
51	P	2,4-Dinitrophenol	184	10.049	1.005	Q	3	A	B
52	M,C	Acenaphthene	154	10.038	1.004	A	2	A	B
53	M,P	4-Nitrophenol	65	10.196	1.020	A	2	A	B
54	M	2,4-Dinitrotoluene	165	10.208	1.021	A	2	A	B

JP
6/2/23

55	T	Dibenzofuran	168	10.249	1.025	A	1	A	B
56	T	2,3,5,6-Tetrachlorophenol	232	10.349	1.035	L	2	A	B
57	T	2,3,4,6-Tetrachlorophenol	232	10.402	1.041	A	2	A	B
58	T	Diethylphthalate	149	10.496	1.050	A	2	A	B
59	T	4-Chlorophenyl-phenylether	204	10.666	1.067	A	2	A	B
60	T	4-Nitroaniline	138	10.702	1.071	A	3	A	B
61	T	Fluorene	166	10.684	1.069	A	2	A	B
62	I	Phenanthrene-d10	188	11.888	1.000	A	1	A	B
63	T	4,6-Dinitro-2-methylphenol	198	10.725	0.902	L	2	A	B
64	C	n-Nitrosodiphenylamine	169	10.813	0.910	A	2	A	B
65	T	1,2-Diphenylhydrazine	182	10.866	0.914	A	2	A	B
66	S	2,4,6-Tribromophenol	330	10.989	0.924	A	2	A	B
67	T	4-Bromophenyl-phenylether	248	11.283	0.949	A	2	A	B
68	T	Hexachlorobenzene	284	11.371	0.957	A	2	A	B
69	M,C	Pentachlorophenol	266	11.630	0.978	Q	2	A	B
70	T	n-Octadecane	43	11.659	0.981	A	3	A	B
71	T	Phenanthrene	178	11.924	1.003	A	2	A	B
72	T	Anthracene	178	11.994	1.009	A	2	A	B
73	T	Carbazole	167	12.206	1.027	A	1	A	B
74	T	Di-n-butylphthalate	149	12.652	1.064	A	2	A	B
75	C	Fluoranthene	202	13.733	1.155	A	2	A	B
76	I	Chrysene-d12	240	16.471	1.000	A	2	A	B
77	T	Benzidine	184	13.939	0.846	A	2	A	B
78	M	Pyrene	202	14.139	0.858	A	2	A	B
79	S	Terphenyl-d14	244	14.386	0.873	A	2	A	B
80	T	Butylbenzylphthalate	149	15.302	0.929	A	2	A	B
81	T	bis-2-Ethylhexyladipate	129	15.443	0.938	A	2	A	B
82	T	3,3'-Dichlorobenzidine	252	16.389	0.995	A	2	A	B
83	T	Benzo[a]anthracene	228	16.448	0.999	A	2	A	B
84	T	Chrysene	228	16.524	1.003	A	2	A	B
85	T	bis(2-Ethylhexyl)phthalate	149	16.477	1.000	A	2	A	B
86	C	Di-n-octylphthalate	149	17.840	1.083	A	2	A	B
87	I	Perylene-d12	264	19.497	1.000	A	2	A	B
88	T	Benzo[b]fluoranthene	252	18.639	0.956	A	2	A	B
89	T	Benzo(j,k)fluoranthene	252	18.704	0.959	A	2	A	B
90	C	Benzo[a]pyrene	252	19.362	0.993	A	2	A	B
91	T	Indeno[1,2,3-cd]pyrene	276	22.447	1.151	A	2	A	B
92	T	Dibenz[a,h]anthracene	278	22.523	1.155	A	2	A	B
93	T	Benzo[g,h,i]perylene	276	23.352	1.198	A	2	A	B

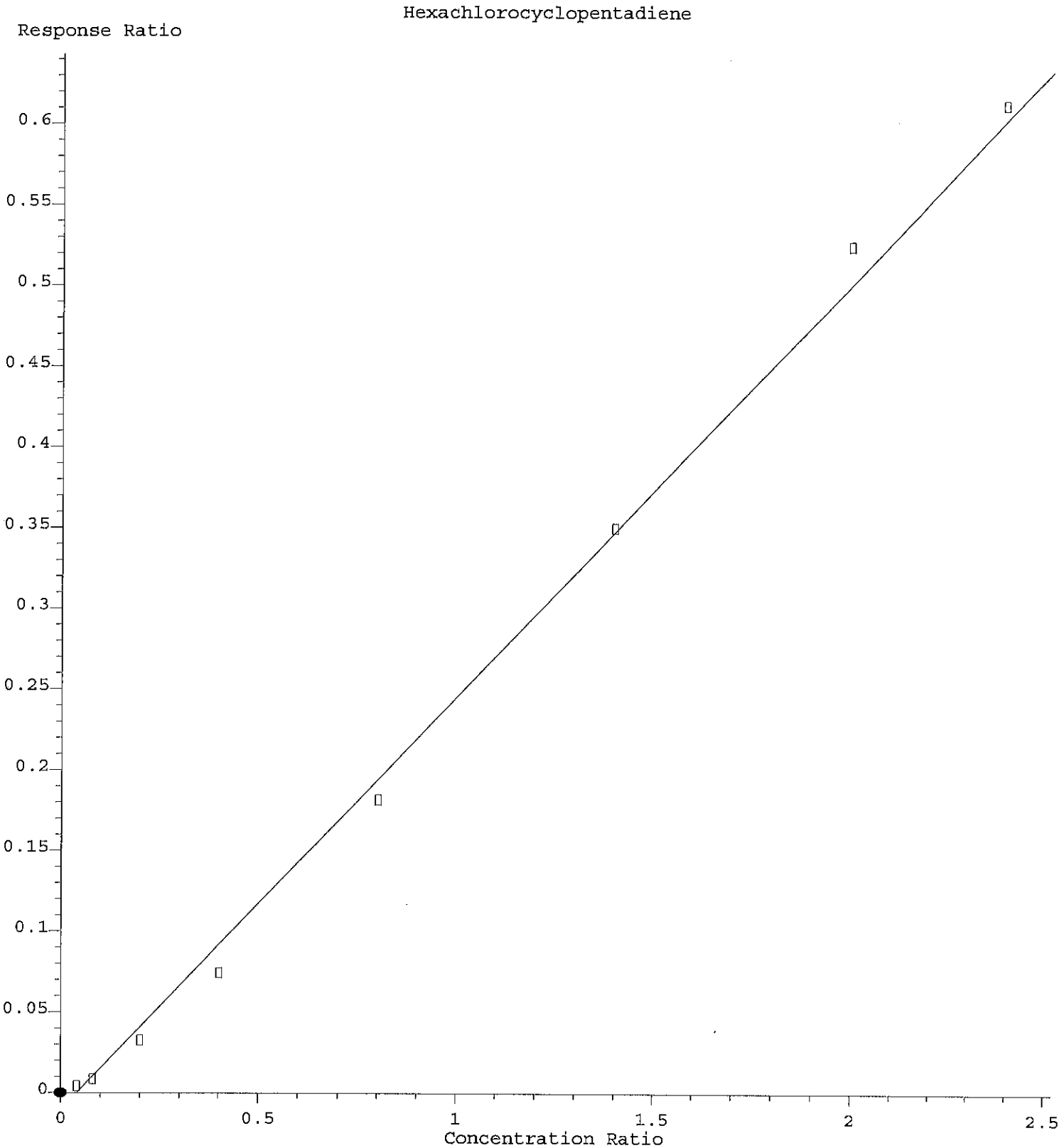
Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

SV230410.M Fri Jun 02 11:18:25 2023



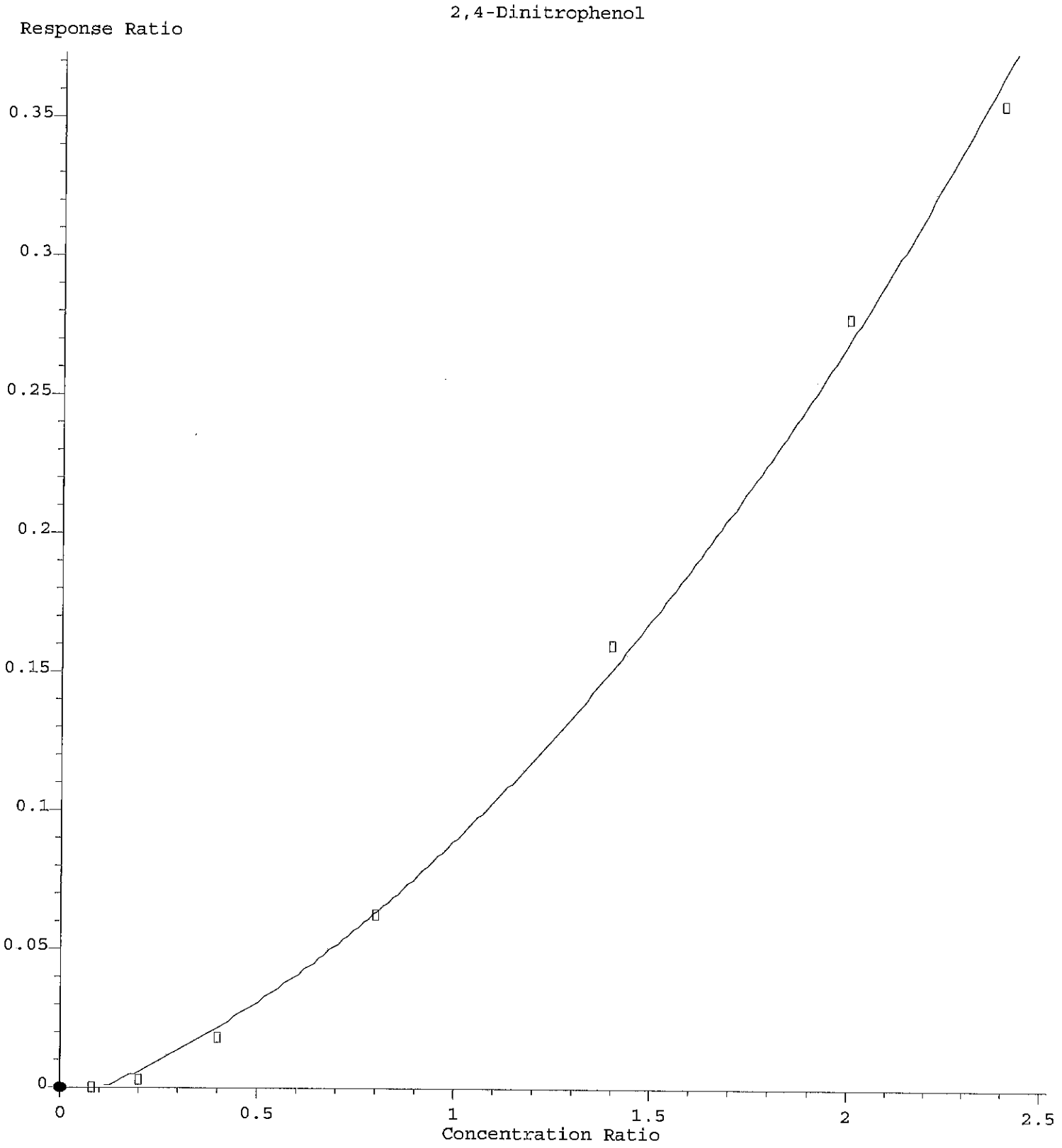
JP
6/12/23

R = 4.54e-002 A*A + 1.58e-001 A - 2.60e-003
Coef of Det (r^2) = 0.991 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\SV230410.M
Calibration Table Last Updated: Fri Jun 02 11:07:41 2023



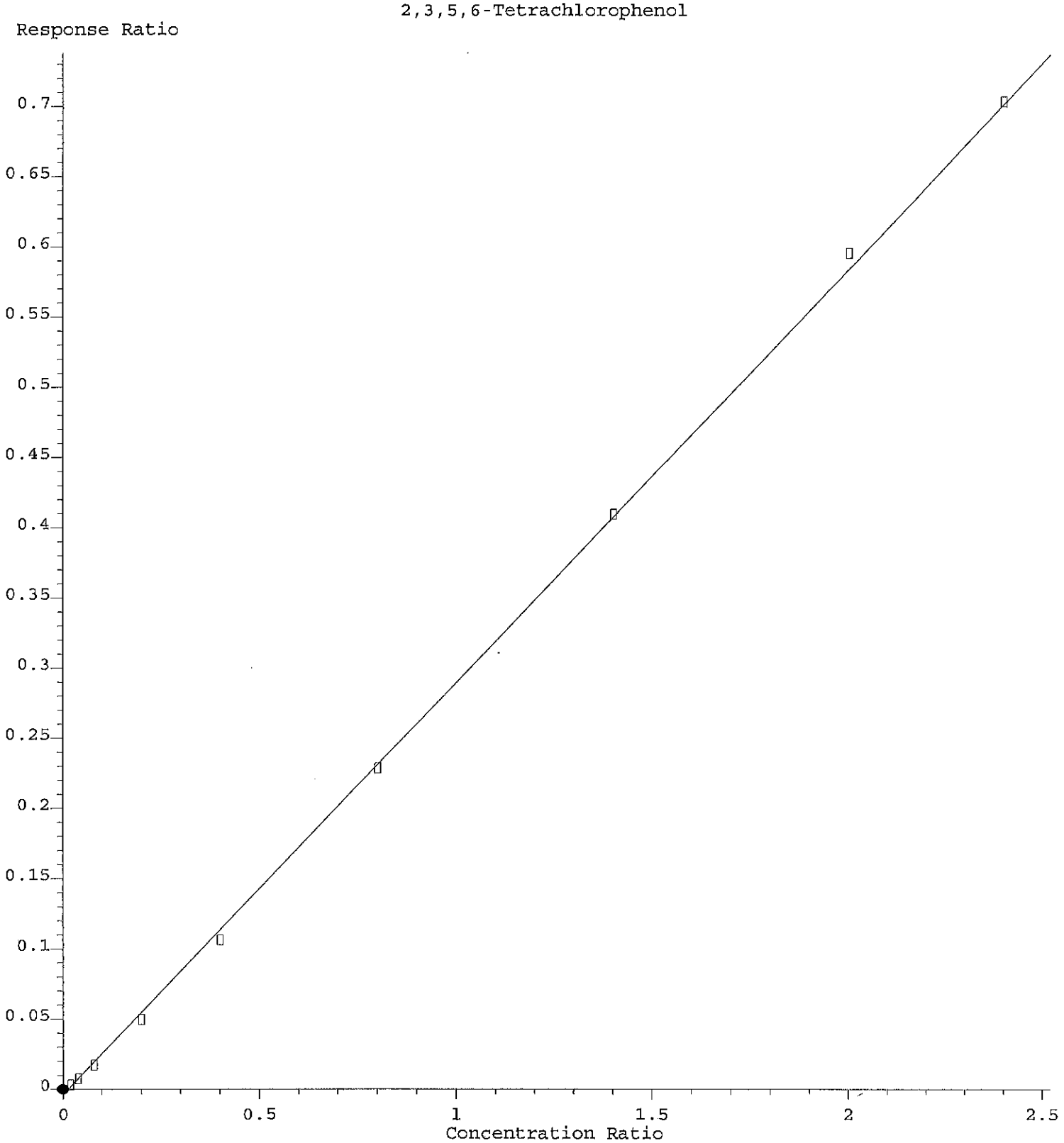
WP
6/2/23

Response = 2.55e-001 * Amt - 1.01e-002
Coef of Det (r^2) = 0.995 Curve Fit: wlr(1/a)
Method Name: C:\msdchem\1\methods\SV230410.M
Calibration Table Last Updated: Fri Jun 02 11:07:41 2023



R = 4.26e-002 A*A + 5.27e-002 A - 6.02e-003
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a)
Method Name: C:\msdchem\1\methods\SV230410.M
Calibration Table Last Updated: Fri Jun 02 11:07:41 2023

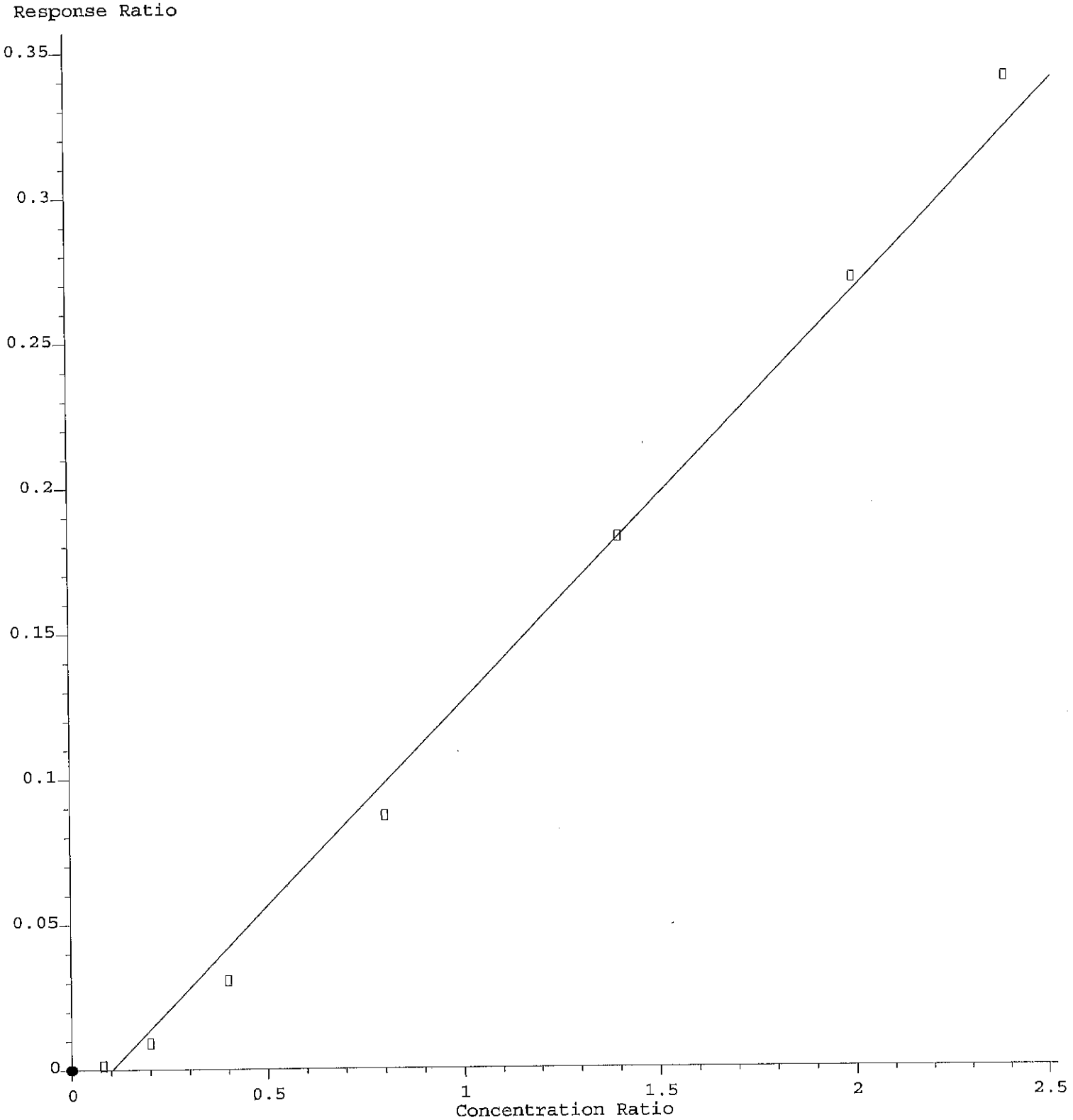
VP 6/2/23



VP
6/12/23

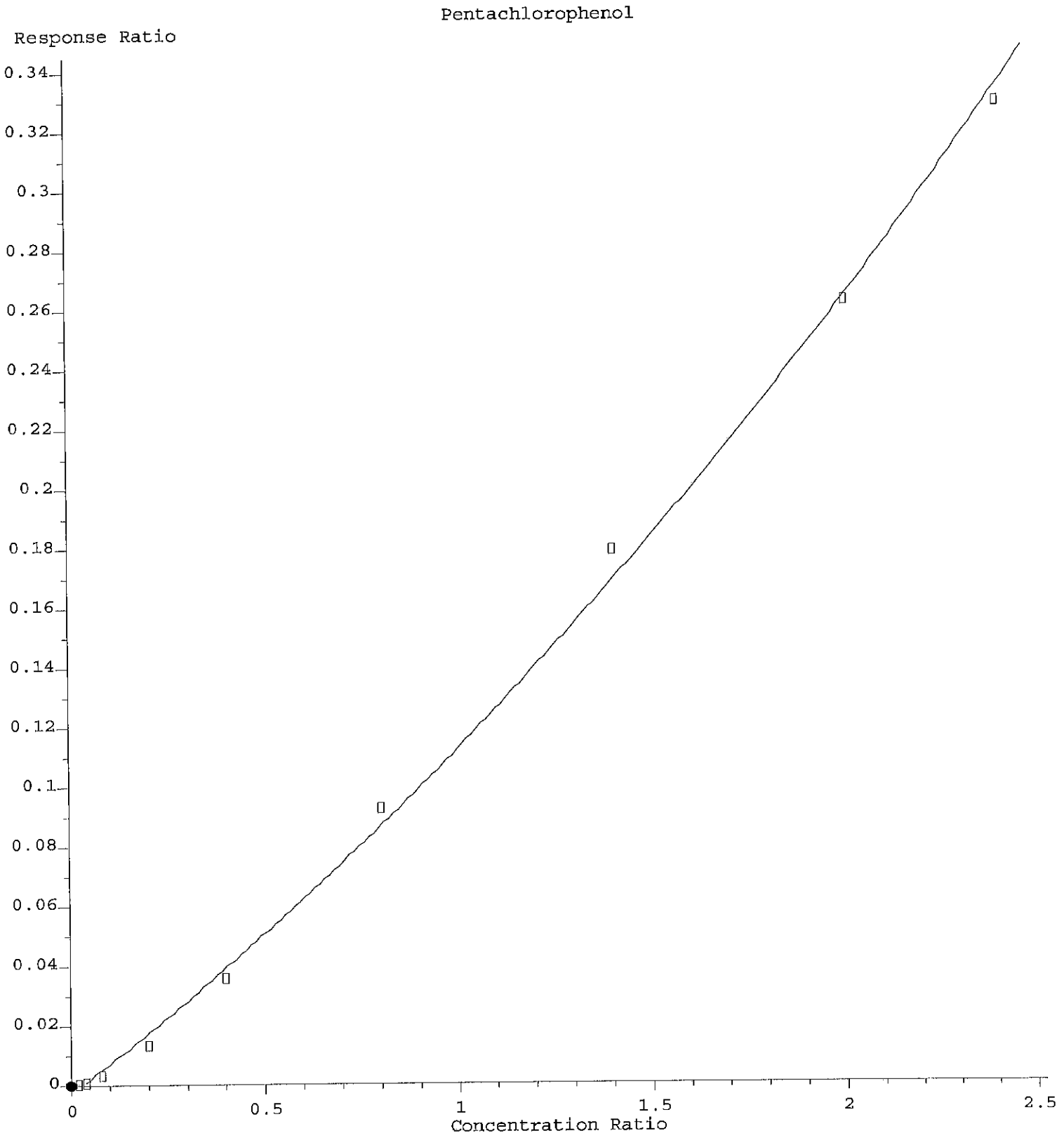
Response = 2.94e-001 * Amt - 4.22e-003
Coef of Det (r^2) = 0.999 Curve Fit: wlr(1/a)
Method Name: C:\msdchem\1\methods\SV230410.M
Calibration Table Last Updated: Fri Jun 02 11:07:41 2023

4,6-Dinitro-2-methylphenol



VP
6/2/23

Response = 1.40e-001 * Amt - 1.43e-002
Coef of Det (r^2) = 0.990 Curve Fit: wlr(1/a)
Method Name: C:\msdchem\1\methods\SV230410.M
Calibration Table Last Updated: Fri Jun 02 11:07:41 2023



VD
6/2/23

R = 1.80e-002 A*A + 9.74e-002 A - 2.69e-003
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a)
Method Name: C:\msdchem\1\methods\SV230410.M
Calibration Table Last Updated: Fri Jun 02 11:07:41 2023

Compound List Report Corey

Method Path : C:\MSDCHEM\1\METHODS\
Method File : CS230411.M
Title : PAH'S BY SIMS
Last Update : Fri May 12 12:57:07 2023
Response Via : Initial Calibration

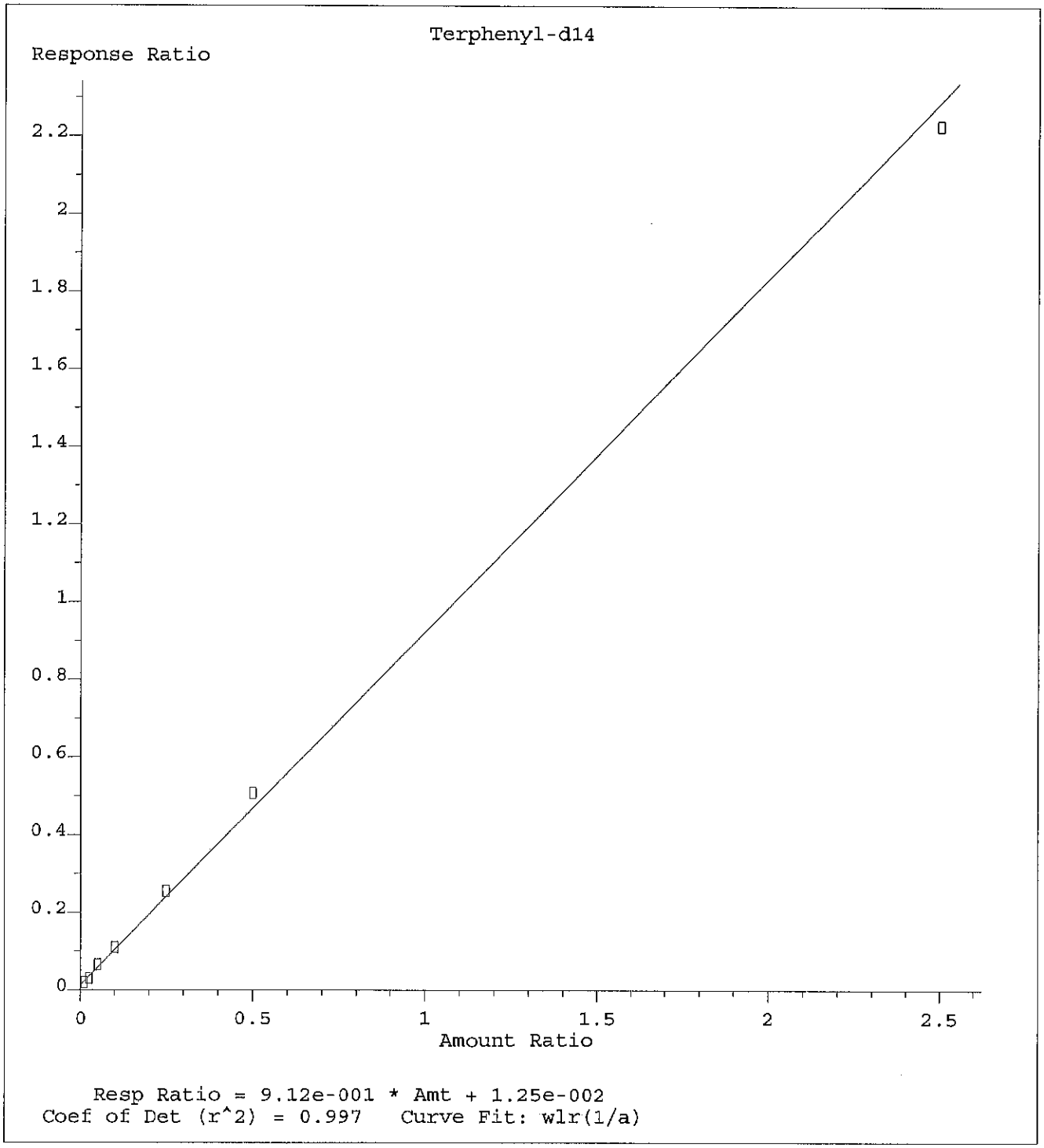
Total Cpnds : 26

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Naphthalene-d8	136	3.689	1.000	A	0	A	R
2	T	Naphthalene	128	3.705	1.004	A	1	A	R
3	T	2-Methylnaphthalene	142	4.208	1.141	A	1	A	R
4	T	1-Methylnaphthalene	142	4.277	1.159	A	1	A	R
5	I	Acenaphthene-d10	164	4.933	1.000	A	0	A	R
6	S	2-Fluorobiphenyl	172	4.486	0.910	A	0	A	R
7	T	Acenaphthylene	152	4.825	0.978	A	0	A	R
8	T	Acenaphthene	153	4.948	1.003	A	0	A	R
9	I	Phenanthrene-d10	188	5.942	1.000	A	0	A	R
10	S	Pyrene-d10	212	6.916	1.164	A	0	A	R
11	T	Fluorene	166	5.310	0.894	A	0	A	R
12	T	Phenanthrene	178	5.960	1.003	A	1	A	R
13	T	Anthracene	178	5.995	1.009	A	1	A	R
14	T	Fluoranthene	202	6.772	1.140	A	1	A	R
15	T	Pyrene	202	6.926	1.165	A	1	A	R
16	I	Chrysene-d12	240	7.924	1.000	A	0	A	R
17	S	Terphenyl-d14	244	7.070	0.892	L	0	A	R
18	T	Benzo[a]anthracene	228	7.912	0.999	L	1	A	R
19	T	Chrysene	228	7.941	1.002	A	1	A	R
20	I	Perylene-d12	264	9.310	1.000	A	0	A	R
21	T	Benzo[b]fluoranthene	252	8.944	0.961	A	1	A	R
22	T	Benzo(j,k)fluoranthene	252	8.973	0.964	A	1	A	R
23	T	Benzo[a]pyrene	252	9.252	0.994	A	1	A	R
24	T	Indeno(1,2,3-c,d)pyrene	276	10.295	1.106	A	1	A	R
25	T	Dibenz[a,h]anthracene	278	10.326	1.109	A	1	A	R
26	T	Benzo[g,h,i]perylene	276	10.519	1.130	A	1	A	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

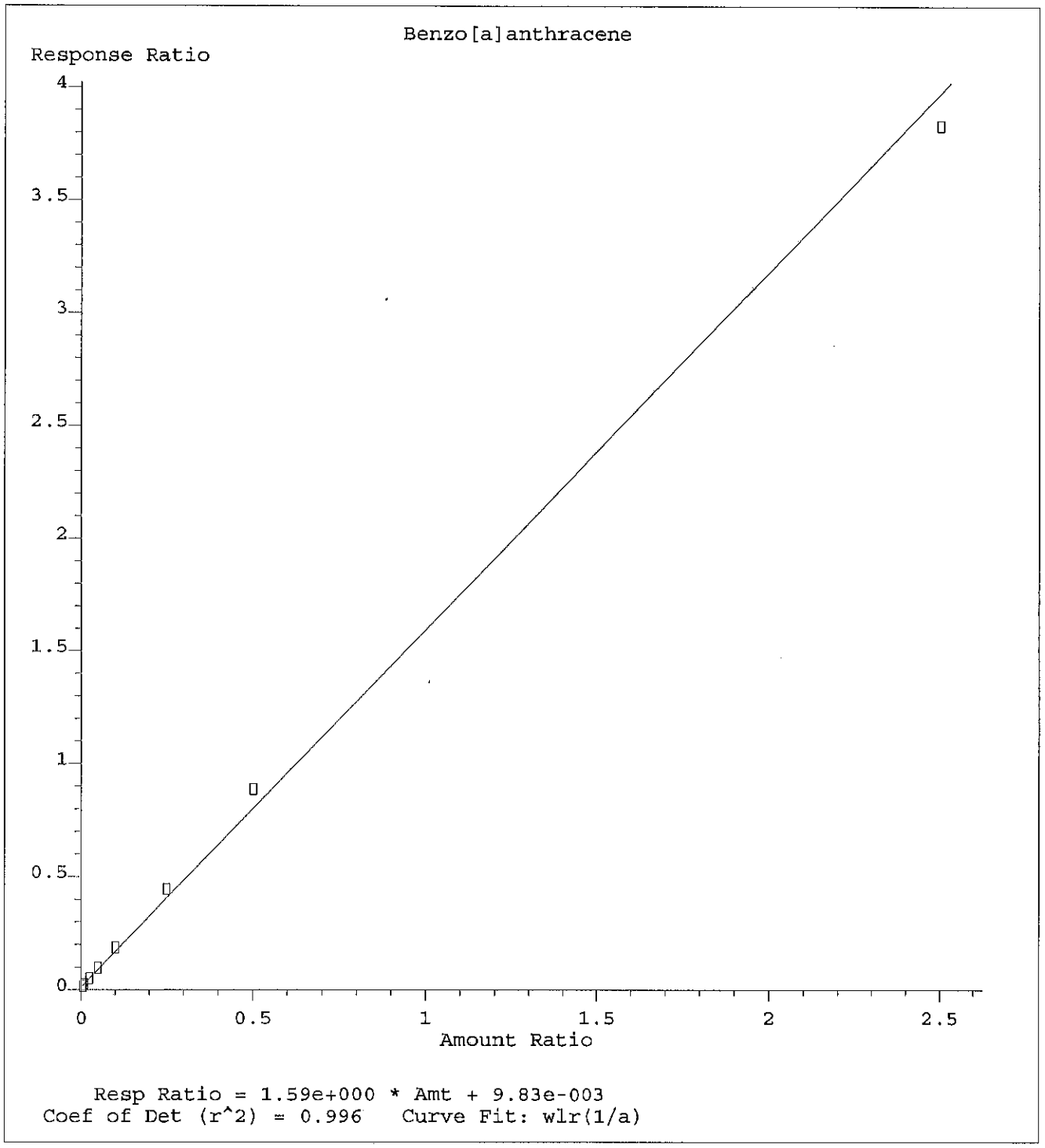
CS230411.M Fri Jun 02 09:26:38 2023

VP
6/12/23



Method Name: C:\MSDCHEM\1\METHODS\CS230411.M
Calibration Table Last Updated: Fri May 12 12:57:07 2023

VP
6/2/23



Method Name: C:\MSDCHEM\1\METHODS\CS230411.M
Calibration Table Last Updated: Fri May 12 12:57:07 2023

JP
6/2/23

Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410007.D Vial: 7
Acq On : 10 Apr 2023 12:17 pm Operator: JP
Sample : 0.5 PPM ICAL Inst : Ralph
Misc : SV6-103-11 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:03 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:02:10 2023
Response via : Initial Calibration
DataAcq Meth : SV230228

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	779528	25.00	ug/mL	0.00
20) Naphthalene-d8	7.96	136	2885910	25.00	ug/mL	0.00
35) Acenaphthene-d10	10.18	164	1504047	25.00	ug/mL	0.00
61) Phenanthrene-d10	12.08	188	2227976	25.00	ug/mL	0.00
75) Chrysene-d12	16.69	240	1750510	25.00	ug/mL	-0.02
86) Perylene-d12	19.77	264	1838579	25.00	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.73	112	21027	0.46	ug/mL	0.00
Spiked Amount 40.000	Range 21 - 110		Recovery = 1.15%#			
5) Phenol-d6	5.84	99	29431	0.51	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 110		Recovery = 1.28%#			
21) Nitrobenzene-d5	7.03	82	22469	0.50	ug/mL	0.00
Spiked Amount 40.000	Range 35 - 114		Recovery = 1.25%#			
40) 2-Fluorobiphenyl	9.30	172	37189	0.50	ug/mL	0.00
Spiked Amount 40.000	Range 43 - 116		Recovery = 1.25%#			
65) 2,4,6-Tribromophenol	11.16	330	3822	0.36	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 123		Recovery = 0.90%#			
78) Terphenyl-d14	14.59	244	31295	0.44	ug/mL	0.00
Spiked Amount 40.000	Range 33 - 141		Recovery = 1.10%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.22	42	10651	0.53	ug/mL#	41
8) bis(2-Chloroethyl)ether	5.98	93	26628	0.51	ug/mL	92
10) n-Decane	6.10	43	30167	0.54	ug/mL	86
11) 1,3-Dichlorobenzene	6.27	146	25617	0.52	ug/mL	98
17) (3+4)-Methylphenol (m,p-Cr	6.82	107	24043	0.51	ug/mL	86
23) Isophorone	7.35	82	44599	0.50	ug/mL	97
26) bis(2-Chloroethoxy)methane	7.60	93	28328	0.50	ug/mL	98
29) Naphthalene	7.98	128	64127	0.53	ug/mL	100
30) 4-Chloroaniline	8.03	65	7023	0.51	ug/mL#	65
31) Hexachlorobutadiene	8.13	225	8547	0.53	ug/mL	90
33) 2-Methylnaphthalene	8.85	142	36377	0.50	ug/mL	95
34) 1-Methylnaphthalene	8.99	142	34065	0.50	ug/mL	89
36) Hexachlorocyclopentadiene	9.06	237	1975	0.66	ug/mL	81
50) 2,4-Dinitrophenol	10.24	184	42	3.23	ug/mL#	1
51) Acenaphthene	10.21	154	39038	0.60	ug/mL	98
52) 4-Nitrophenol	10.34	65	2645	0.94	ug/mL#	1
54) Dibenzofuran	10.43	168	49092	0.52	ug/mL	98
55) 2,3,5,6-Tetrachlorophenol	10.53	232	3037	0.56	ug/mL#	78
58) 4-Chlorophenyl-phenylether	10.84	204	15580	0.51	ug/mL	92
60) Fluorene	10.87	166	37835	0.51	ug/mL	91
62) 4,6-Dinitro-2-methylphenol	10.94	198	838	1.46	ug/mL#	74
63) n-Nitrosodiphenylamine	10.98	169	32765	0.50	ug/mL	92
68) Pentachlorophenol	11.84	266	701	1.48	ug/mL#	43
69) n-Octadecane	11.84	43	21852	0.55	ug/mL	88
70) Phenanthrene	12.11	178	69113	0.65	ug/mL	95
71) Anthracene	12.18	178	58150	0.54	ug/mL	99
74) Fluoranthene	13.94	202	59341	0.61	ug/mL	90
77) Pyrene	14.35	202	59996	0.59	ug/mL	97
82) Benzo[a]anthracene	16.66	228	47799	0.53	ug/mL	95
83) Chrysene	16.73	228	43156	0.51	ug/mL	95
87) Benzo[b]fluoranthene	18.87	252	44605	0.52	ug/mL	91
88) Benzo(j,k)fluoranthene	18.93	252	43793	0.53	ug/mL	94
90) Indeno[1,2,3-cd]pyrene	22.79	276	40176m	0.54	ug/mL	

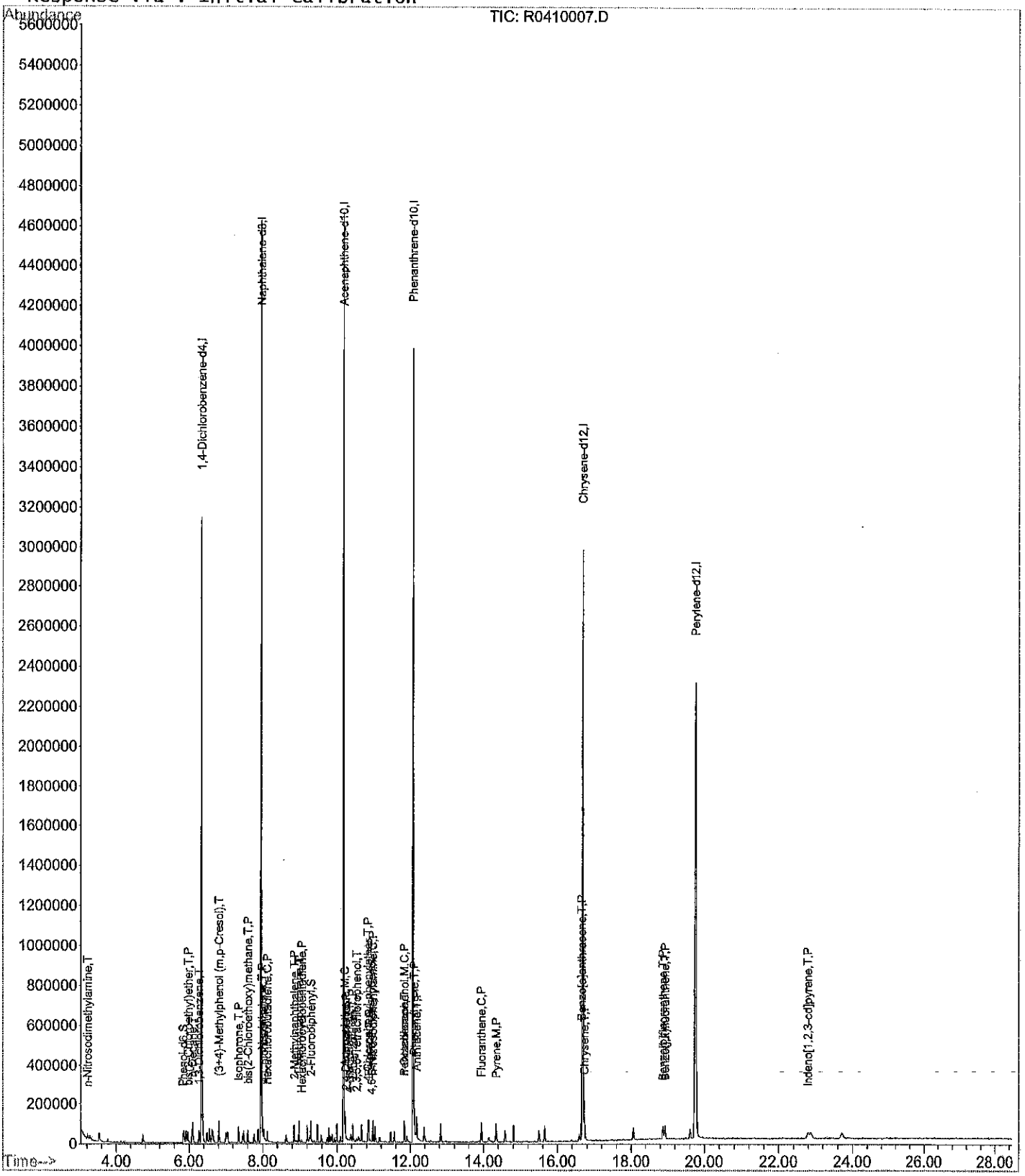
(#) = qualifier out of range (m) = manual integration

JP 4/18/23

Quantitation Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410007.D Vial: 7
Acq On : 10 Apr 2023 12:17 pm Operator: JP
Sample : 0.5 PPM ICAL Inst : Ralph
Misc : SV6-103-11 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:03 2023 Quant Results File: SV230410.RES

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410008.D Vial: 8
Acq On : 10 Apr 2023 12:47 pm Operator: JP
Sample : 1 PPM ICAL Inst : Ralph
Misc : SV6-103-10 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:08 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:08:13 2023
Response via : Initial Calibration
DataAcq Meth : SV230228

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.34	152	798367	25.00	ug/mL	0.00
20) Naphthalene-d8	7.96	136	2932178	25.00	ug/mL	0.00
35) Acenaphthene-d10	10.18	164	1492921	25.00	ug/mL	0.00
61) Phenanthrene-d10	12.08	188	2129979	25.00	ug/mL	0.00
75) Chrysene-d12	16.69	240	1745192	25.00	ug/mL	-0.02
86) Perylene-d12	19.77	264	1811222	25.00	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.73	112	43603	0.93	ug/mL	0.00
Spiked Amount 40.000	Range 21 - 110		Recovery = 2.33%#			
5) Phenol-d6	5.84	99	58243	0.99	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 110		Recovery = 2.48%#			
21) Nitrobenzene-d5	7.03	82	45832	1.00	ug/mL	0.00
Spiked Amount 40.000	Range 35 - 114		Recovery = 2.50%#			
40) 2-Fluorobiphenyl	9.30	172	76304	1.04	ug/mL	0.00
Spiked Amount 40.000	Range 43 - 116		Recovery = 2.60%#			
65) 2,4,6-Tribromophenol	11.16	330	8342	0.83	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 123		Recovery = 2.07%#			
78) Terphenyl-d14	14.59	244	68698	0.98	ug/mL	0.00
Spiked Amount 40.000	Range 33 - 141		Recovery = 2.45%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.22	42	19961	0.96	ug/mL#	33
3) Pyridine	3.27	79	45410	0.87	ug/mL	93
6) Phenol	5.86	94	58280	0.94	ug/mL	85
7) Aniline	5.92	93	63092	0.88	ug/mL	95
8) bis(2-Chloroethyl)ether	5.98	93	55425	1.04	ug/mL	95
9) 2-Chlorophenol	6.09	128	43911	0.98	ug/mL	94
10) n-Decane	6.11	43	63019	1.09	ug/mL	81
11) 1,3-Dichlorobenzene	6.27	146	49738	0.98	ug/mL	99
12) 1,4-Dichlorobenzene	6.36	146	52716	1.03	ug/mL	91
13) Benzyl alcohol	6.49	108	26057	0.88	ug/mL	89
14) 1,2-Dichlorobenzene	6.56	146	49533	1.03	ug/mL	97
15) 2-Methylphenol (o-Cresol)	6.62	107	39058	1.03	ug/mL	87
16) bis(2-Chloroisopropyl)ethe	6.65	45	89646	1.02	ug/mL	87
17) (3+4)-Methylphenol (m,p-Cr	6.81	107	47387	0.98	ug/mL	95
18) n-Nitroso-di-n-propylamine	6.81	70	34545	1.02	ug/mL#	82
19) Hexachloroethane	7.00	117	19507	0.99	ug/mL	90
22) Nitrobenzene	7.05	77	42781	1.00	ug/mL	90
23) Isophorone	7.35	82	91354	1.01	ug/mL	98
24) 2-Nitrophenol	7.46	139	23144	0.92	ug/mL	97
25) 2,4-Dimethylphenol	7.49	122	34503	0.98	ug/mL	97
26) bis(2-Chloroethoxy)methane	7.60	93	56066	0.98	ug/mL	98
27) 2,4-Dichlorophenol	7.78	162	33679	0.99	ug/mL	90
28) 1,2,4-Trichlorobenzene	7.88	180	34712	0.98	ug/mL	96
29) Naphthalene	7.99	128	124774	1.02	ug/mL	99
30) 4-Chloroaniline	8.03	65	13264	0.95	ug/mL#	81
31) Hexachlorobutadiene	8.13	225	16472	1.00	ug/mL	98
32) 4-Chloro-3-methylphenol	8.64	107	32555	0.97	ug/mL	96
33) 2-Methylnaphthalene	8.86	142	75692	1.03	ug/mL	96
34) 1-Methylnaphthalene	8.98	142	70256	1.02	ug/mL	94
36) Hexachlorocyclopentadiene	9.06	237	5584	0.91	ug/mL	91
37) 2,4,6-Trichlorophenol	9.20	196	16731	0.91	ug/mL	95
38) 2,3-Dichloroaniline	9.21	161	40899	1.05	ug/mL	79
39) 2,4,5-Trichlorophenol	9.27	196	19768	0.92	ug/mL	97
41) 2-Chloronaphthalene	9.48	162	71597	1.02	ug/mL	99

(#) = qualifier out of range (m) = manual integration

JP 4/18/23

Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410008.D Vial: 8
Acq On : 10 Apr 2023 12:47 pm Operator: JP
Sample : 1 PPM ICAL Inst : Ralph
Misc : SV6-103-10 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:08 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:08:13 2023
Response via : Initial Calibration
DataAcq Meth : SV230228

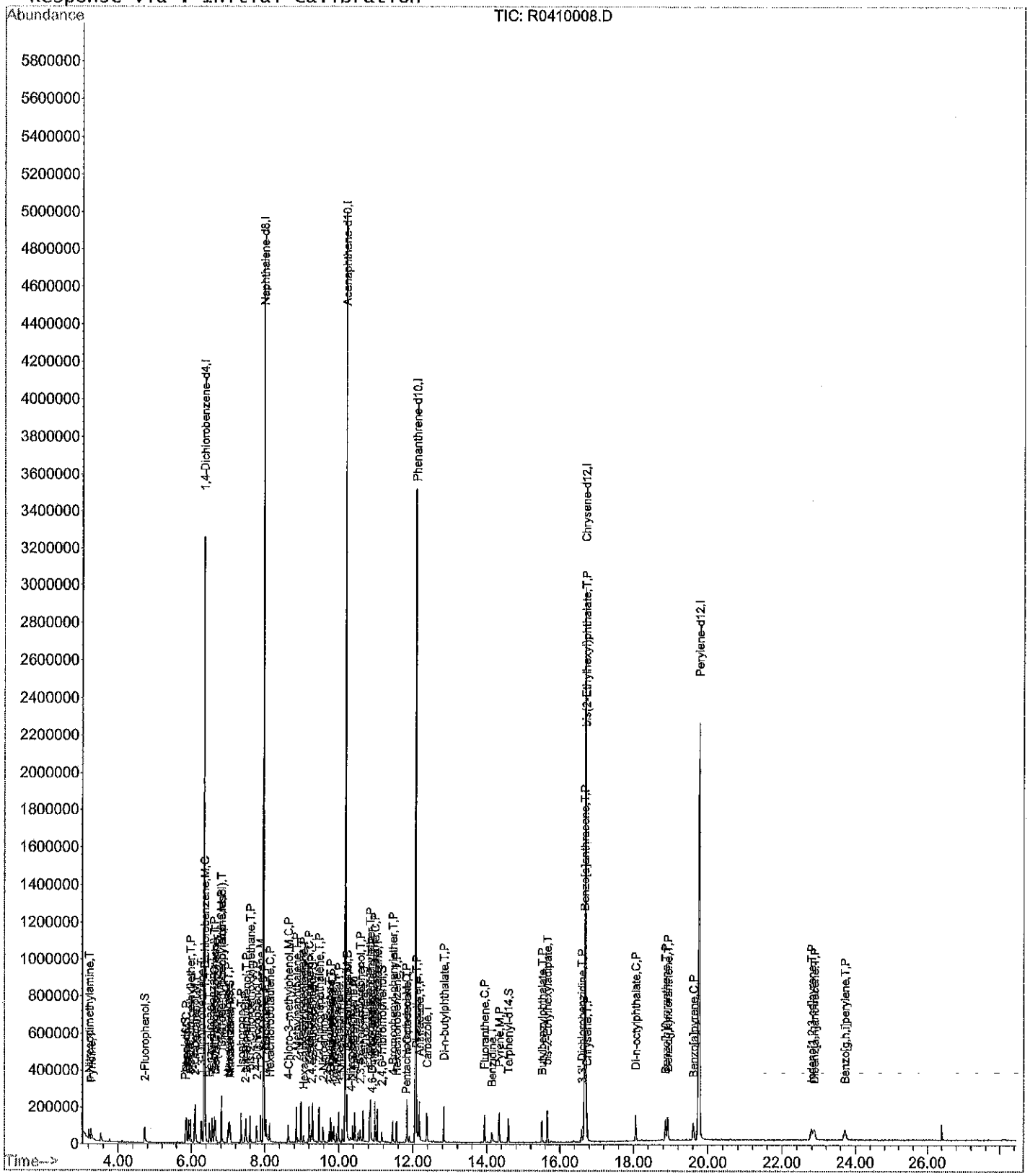
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	2-Nitroaniline	9.58	65	19614	0.91	ug/mL#	79
43)	1,4-Dinitrobenzene	9.74	168	11392	0.80	ug/mL	88
44)	Dimethylphthalate	9.78	163	78967	1.02	ug/mL#	83
45)	1,3-Dinitrobenzene	9.83	168	13610	0.82	ug/mL#	93
46)	2,6-Dinitrotoluene	9.87	165	19276	0.95	ug/mL	83
47)	1,2-Dinitrobenzene	9.95	168	10310	0.95	ug/mL#	79
48)	Acenaphthylene	10.01	152	107125	1.03	ug/mL	95
49)	3-Nitroaniline	10.09	138	21395	0.91	ug/mL	95
50)	2,4-Dinitrophenol	10.22	184	149	3.24	ug/mL#	1
51)	Acenaphthene	10.22	154	71059	1.10	ug/mL	98
52)	4-Nitrophenol	10.32	65	5839	1.18	ug/mL#	1
53)	2,4-Dinitrotoluene	10.38	165	23783	0.90	ug/mL#	70
54)	Dibenzofuran	10.44	168	96802	1.04	ug/mL	96
55)	2,3,5,6-Tetrachlorophenol	10.58	232	12528	1.14	ug/mL	98
56)	2,3,4,6-Tetrachlorophenol	10.58	232	12528	0.82	ug/mL	93
57)	Diethylphthalate	10.66	149	73947	1.00	ug/mL	99
58)	4-Chlorophenyl-phenylether	10.85	204	30392	1.00	ug/mL	93
59)	4-Nitroaniline	10.86	138	21342	0.91	ug/mL	89
60)	Fluorene	10.87	166	76044	1.04	ug/mL	90
62)	4,6-Dinitro-2-methylphenol	10.90	198	3221	1.28	ug/mL#	62
63)	n-Nitrosodiphenylamine	10.98	169	65518	1.05	ug/mL	91
64)	1,2-Diphenylhydrazine	11.04	182	20132	0.97	ug/mL#	86
66)	4-Bromophenyl-phenylether	11.46	248	18346	1.08	ug/mL	94
67)	Hexachlorobenzene	11.56	284	20011	0.99	ug/mL	92
68)	Pentachlorophenol	11.82	266	3686m	1.29	ug/mL	
69)	n-Octadecane	11.84	43	42714	1.13	ug/mL#	75
70)	Phenanthrene	12.10	178	104109	1.02	ug/mL	98
71)	Anthracene	12.18	178	102726	1.00	ug/mL	96
72)	Carbazole	12.38	167	98512	1.01	ug/mL	100
73)	Di-n-butylphthalate	12.84	149	133293	1.05	ug/mL	100
74)	Fluoranthene	13.94	202	93470	1.00	ug/mL	91
76)	Benzidine	14.14	184	49580	0.79	ug/mL	94
77)	Pyrene	14.35	202	95252	0.94	ug/mL	98
79)	Butylbenzylphthalate	15.51	149	53071	0.92	ug/mL	98
80)	bis-2-Ethylhexyladipate	15.66	129	46373	0.90	ug/mL	92
81)	3,3'-Dichlorobenzidine	16.60	252	31526	0.89	ug/mL	96
82)	Benzo[a]anthracene	16.67	228	85699	0.96	ug/mL	98
83)	Chrysene	16.74	228	81352	0.97	ug/mL	98
84)	bis(2-Ethylhexyl)phthalate	16.70	149	74083	0.99	ug/mL	96
85)	Di-n-octylphthalate	18.06	149	126085	0.91	ug/mL	95
87)	Benzo[b]fluoranthene	18.87	252	79553	0.94	ug/mL	91
88)	Benzo(j,k)fluoranthene	18.93	252	81826	1.00	ug/mL	92
89)	Benzo[a]pyrene	19.61	252	70653	0.98	ug/mL	89
90)	Indeno[1,2,3-cd]pyrene	22.80	276	68520m	0.93	ug/mL	
91)	Dibenz[a,h]anthracene	22.88	278	66639	0.95	ug/mL	88
92)	Benzo[g,h,i]perylene	23.72	276	67926	0.96	ug/mL	84

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410008.D Vial: 8
Acq On : 10 Apr 2023 12:47 pm Operator: JP
Sample : 1 PPM ICAL Inst : Ralph
Misc : SV6-103-10 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:08 2023 Quant Results File: SV230410.RES

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410009.D Vial: 9
Acq On : 10 Apr 2023 1:17 pm Operator: JP
Sample : 2 PPM ICAL Inst : Ralph
Misc : SV6-103-09 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 2 11:26 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Fri Jun 02 11:27:17 2023
Response via : Initial Calibration
DataAcq Meth : SV230228

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	885141	25.00	ug/mL	0.25
20) Naphthalene-d8	7.96	136	3249983	25.00	ug/mL	0.31
35) Acenaphthene-d10	10.18	164	1662271	25.00	ug/mL	0.40
61) Phenanthrene-d10	12.08	188	2464912	25.00	ug/mL	0.48
75) Chrysene-d12	16.69	240	1949916	25.00	ug/mL	0.65
86) Perylene-d12	19.77	264	2046863	25.00	ug/mL	0.79
System Monitoring Compounds						
4) 2-Fluorophenol	4.73	112	103950	1.99	ug/mL	0.18
Spiked Amount 40.000	Range 21 - 110		Recovery = 4.98%#			
5) Phenol-d6	5.84	99	131795	2.02	ug/mL	0.23
Spiked Amount 40.000	Range 10 - 110		Recovery = 5.05%#			
21) Nitrobenzene-d5	7.03	82	105948	2.08	ug/mL	0.28
Spiked Amount 40.000	Range 35 - 114		Recovery = 5.20%#			
40) 2-Fluorobiphenyl	9.30	172	168602	2.07	ug/mL	0.37
Spiked Amount 40.000	Range 43 - 116		Recovery = 5.17%#			
65) 2,4,6-Tribromophenol	11.16	330	21941	1.88	ug/mL	0.44
Spiked Amount 40.000	Range 10 - 123		Recovery = 4.70%#			
78) Terphenyl-d14	14.59	244	161942	2.06	ug/mL	0.58
Spiked Amount 40.000	Range 33 - 141		Recovery = 5.15%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.22	42	43017	1.87	ug/mL#	19
3) Pyridine	3.28	79	119782	2.06	ug/mL	87
6) Phenol	5.86	94	141792	2.07	ug/mL	87
7) Aniline	5.93	93	159119	2.00	ug/mL	95
8) bis(2-Chloroethyl)ether	5.98	93	121808	2.05	ug/mL	95
9) 2-Chlorophenol	6.09	128	102790	2.07	ug/mL	97
10) n-Decane	6.10	43	144651	2.26	ug/mL	89
11) 1,3-Dichlorobenzene	6.27	146	119946	2.13	ug/mL	95
12) 1,4-Dichlorobenzene	6.37	146	120788	2.12	ug/mL	96
13) Benzyl alcohol	6.49	108	66110	2.00	ug/mL	86
14) 1,2-Dichlorobenzene	6.56	146	110752	2.07	ug/mL	100
15) 2-Methylphenol (o-Cresol)	6.62	107	85444	2.02	ug/mL	86
16) bis(2-Chloroisopropyl)ethe	6.65	45	197902	2.03	ug/mL	76
17) (3+4)-Methylphenol (m,p-Cr	6.82	107	108118	2.02	ug/mL	95
18) n-Nitroso-di-n-propylamine	6.82	70	77604	2.07	ug/mL#	83
19) Hexachloroethane	7.00	117	43384	1.99	ug/mL	92
22) Nitrobenzene	7.05	77	97647	2.06	ug/mL	95
23) Isophorone	7.35	82	205007	2.05	ug/mL	97
24) 2-Nitrophenol	7.46	139	53692	1.92	ug/mL	92
25) 2,4-Dimethylphenol	7.49	122	79333	2.02	ug/mL	96
26) bis(2-Chloroethoxy)methane	7.60	93	133886	2.10	ug/mL	99
27) 2,4-Dichlorophenol	7.78	162	76181	2.01	ug/mL	97
28) 1,2,4-Trichlorobenzene	7.88	180	84239	2.14	ug/mL	94
29) Naphthalene	7.98	128	288839	2.13	ug/mL	100
30) 4-Chloroaniline	8.02	65	33563	2.17	ug/mL#	76
31) Hexachlorobutadiene	8.14	225	39915	2.18	ug/mL	98
32) 4-Chloro-3-methylphenol	8.63	107	75685	2.04	ug/mL	97
33) 2-Methylnaphthalene	8.85	142	172114	2.11	ug/mL	97
34) 1-Methylnaphthalene	8.99	142	161144	2.11	ug/mL	95
36) Hexachlorocyclopentadiene	9.06	237	20885	1.82	ug/mL	95
37) 2,4,6-Trichlorophenol	9.20	196	42548	2.08	ug/mL	99
38) 2,3-Dichloroaniline	9.20	161	96013	2.21	ug/mL	84
39) 2,4,5-Trichlorophenol	9.26	196	42134	1.76	ug/mL	92
41) 2-Chloronaphthalene	9.48	162	165550	2.12	ug/mL	97

(#) = qualifier out of range (m) = manual integration

6/2/23

Quantitation Report (Not Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410009.D Vial: 9
Acq On : 10 Apr 2023 1:17 pm Operator: JP
Sample : 2 PPM ICAL Inst : Ralph
Misc : SV6-103-09 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 2 11:26 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Fri Jun 02 11:27:17 2023
Response via : Initial Calibration
DataAcq Meth : SV230228

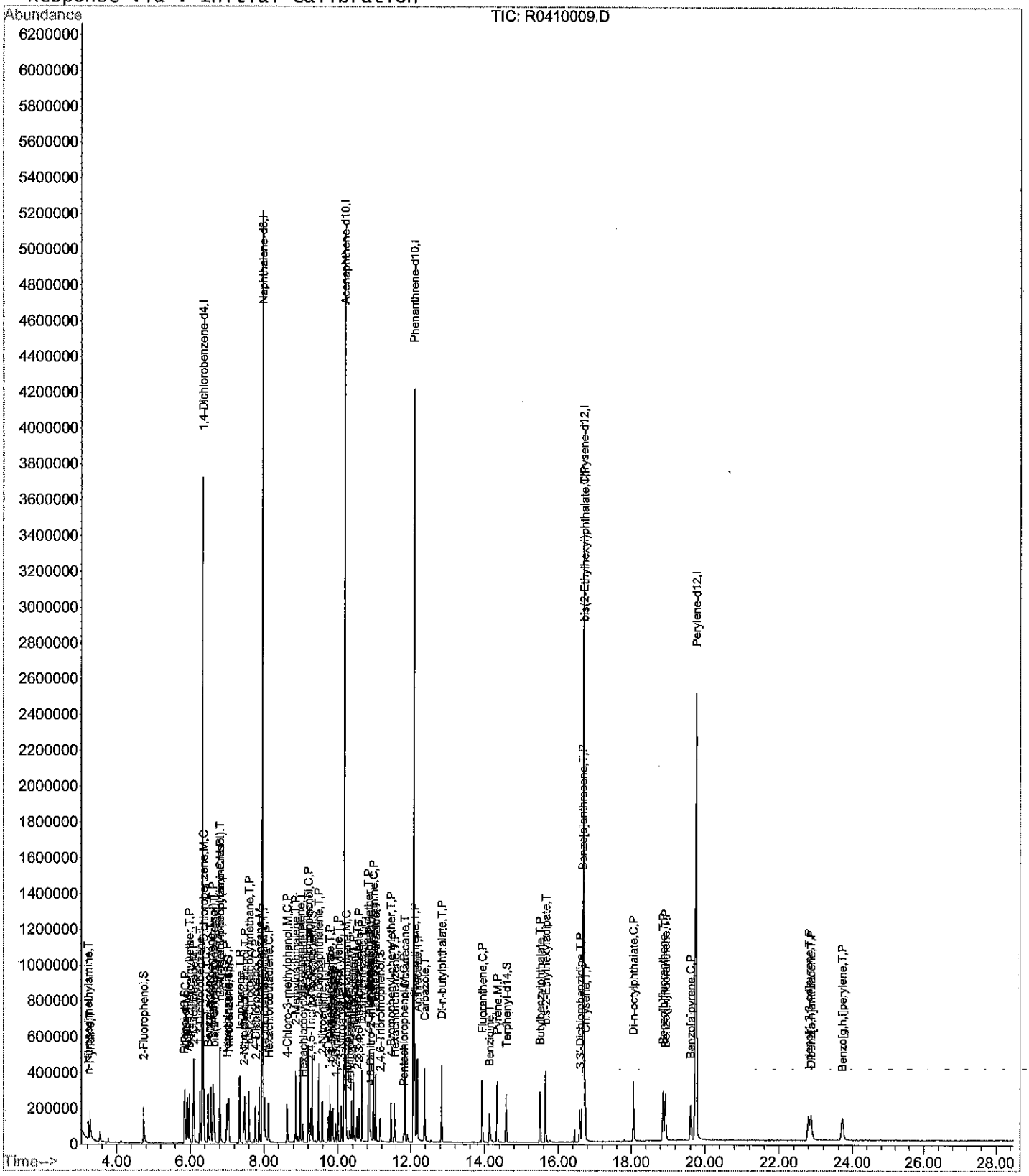
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
42)	2-Nitroaniline	9.58	65	50010	2.09 ug/mL#	84
43)	1,4-Dinitrobenzene	9.74	168	30240	1.92 ug/mL	86
44)	Dimethylphthalate	9.78	163	177489	2.06 ug/mL#	82
45)	1,3-Dinitrobenzene	9.83	168	36630	1.99 ug/mL#	90
46)	2,6-Dinitrotoluene	9.88	165	46674	2.07 ug/mL	85
47)	1,2-Dinitrobenzene	9.95	168	24259	2.01 ug/mL#	77
48)	Acenaphthylene	10.00	152	246122	2.12 ug/mL	96
49)	3-Nitroaniline	10.09	138	52265	2.00 ug/mL	93
50)	2,4-Dinitrophenol	10.25	184	3039	2.65 ug/mL#	1
51)	Acenaphthene	10.22	154	156603	2.17 ug/mL	92
52)	4-Nitrophenol	10.32	65	15691	1.81 ug/mL#	1
53)	2,4-Dinitrotoluene	10.38	165	61677	2.10 ug/mL#	70
54)	Dibenzofuran	10.43	168	218494	2.11 ug/mL	99
55)	2,3,5,6-Tetrachlorophenol	10.53	232	29460	1.98 ug/mL	97
56)	2,3,4,6-Tetrachlorophenol	10.58	232	31748	1.87 ug/mL	92
57)	Diethylphthalate	10.66	149	175293	2.13 ug/mL	97
58)	4-Chlorophenyl-phenylether	10.84	204	70352	2.07 ug/mL	97
59)	4-Nitroaniline	10.86	138	52773	2.03 ug/mL	91
60)	Fluorene	10.87	166	175976	2.17 ug/mL	95
62)	4,6-Dinitro-2-methylphenol	10.90	198	13041	1.81 ug/mL#	77
63)	n-Nitrosodiphenylamine	10.98	169	146815	2.03 ug/mL	92
64)	1,2-Diphenylhydrazine	11.04	182	50151	2.10 ug/mL	96
66)	4-Bromophenyl-phenylether	11.46	248	39016	1.99 ug/mL	92
67)	Hexachlorobenzene	11.56	284	46455	1.98 ug/mL	92
68)	Pentachlorophenol	11.81	266	12558	1.83 ug/mL	98
69)	n-Octadecane	11.84	43	98780	2.25 ug/mL#	80
70)	Phenanthrene	12.11	178	238306	2.02 ug/mL	99
71)	Anthracene	12.18	178	234991	1.99 ug/mL	99
72)	Carbazole	12.38	167	234430	2.09 ug/mL	99
73)	Di-n-butylphthalate	12.84	149	307001	2.08 ug/mL	98
74)	Fluoranthene	13.94	202	208555	1.94 ug/mL	93
76)	Benzidine	14.13	184	123654	1.76 ug/mL	94
77)	Pyrene	14.35	202	216625	1.92 ug/mL	98
79)	Butylbenzylphthalate	15.50	149	126841	1.97 ug/mL	98
80)	bis-2-Ethylhexyladipate	15.66	129	117208	2.03 ug/mL	97
81)	3,3'-Dichlorobenzidine	16.60	252	71558	1.80 ug/mL	97
82)	Benzo[a]anthracene	16.67	228	199662	2.00 ug/mL	99
83)	Chrysene	16.74	228	181840	1.94 ug/mL	98
84)	bis(2-Ethylhexyl)phthalate	16.70	149	161882	1.93 ug/mL	99
85)	Di-n-octylphthalate	18.06	149	300531	1.93 ug/mL	88
87)	Benzo[b]fluoranthene	18.87	252	188438	1.98 ug/mL	94
88)	Benzo(j,k)fluoranthene	18.93	252	191977	2.08 ug/mL	93
89)	Benzo[a]pyrene	19.62	252	161662	1.98 ug/mL	90
90)	Indeno[1,2,3-cd]pyrene	22.80	276	185345	~~2.23~~ 1.80 ug/mL	90
91)	Dibenz[a,h]anthracene	22.87	278	153399	1.93 ug/mL	86
92)	Benzo[g,h,i]perylene	23.72	276	154747	1.94 ug/mL	82

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410009.D Vial: 9
Acq On : 10 Apr 2023 1:17 pm Operator: JP
Sample : 2 PPM ICAL Inst : Ralph
Misc : SV6-103-09 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 2 11:26 2023 Quant Results File: SV230410.RES

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Fri Jun 02 11:27:17 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410010.D Vial: 10
Acq On : 10 Apr 2023 2:03 pm Operator: JP
Sample : 5 PPM ICAL Inst : Ralph
Misc : SV6-103-08 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:16 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230228

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	778483	25.00	ug/mL	0.00
20) Naphthalene-d8	7.96	136	2899972	25.00	ug/mL	-0.01
35) Acenaphthene-d10	10.18	164	1506171	25.00	ug/mL	-0.01
61) Phenanthrene-d10	12.08	188	2128367	25.00	ug/mL	0.00
75) Chrysene-d12	16.70	240	1752152	25.00	ug/mL	-0.01
86) Perylene-d12	19.78	264	1842613	25.00	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.72	112	235449	5.13	ug/mL	-0.01
Spiked Amount 40.000	Range 21 - 110		Recovery = 12.83%#			
5) Phenol-d6	5.85	99	293653	5.12	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 110		Recovery = 12.80%			
21) Nitrobenzene-d5	7.03	82	239036	5.25	ug/mL	-0.01
Spiked Amount 40.000	Range 35 - 114		Recovery = 13.13%#			
40) 2-Fluorobiphenyl	9.31	172	389858	5.28	ug/mL	0.00
Spiked Amount 40.000	Range 43 - 116		Recovery = 13.20%#			
65) 2,4,6-Tribromophenol	11.17	330	51337	5.09	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 123		Recovery = 12.73%			
78) Terphenyl-d14	14.59	244	349445	4.96	ug/mL	-0.01
Spiked Amount 40.000	Range 33 - 141		Recovery = 12.40%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.22	42	100228	4.95	ug/mL#	24
3) Pyridine	3.27	79	264637	5.18	ug/mL	84
6) Phenol	5.86	94	307866	5.12	ug/mL	88
7) Aniline	5.92	93	358053	5.12	ug/mL	95
8) bis(2-Chloroethyl)ether	5.97	93	279706	5.36	ug/mL	91
9) 2-Chlorophenol	6.09	128	231139	5.28	ug/mL	95
10) n-Decane	6.11	43	305136	5.43	ug/mL	83
11) 1,3-Dichlorobenzene	6.28	146	258398	5.22	ug/mL	97
12) 1,4-Dichlorobenzene	6.37	146	258960	5.17	ug/mL	98
13) Benzyl alcohol	6.48	108	150870	5.20	ug/mL	83
14) 1,2-Dichlorobenzene	6.57	146	242337	5.15	ug/mL	98
15) 2-Methylphenol (o-Cresol)	6.63	107	189207	5.09	ug/mL	87
16) bis(2-Chloroisopropyl)ethe	6.66	45	452297	5.28	ug/mL	77
17) (3+4)-Methylphenol (m,p-Cr	6.81	107	247310	5.25	ug/mL	94
18) n-Nitroso-di-n-propylamine	6.81	70	172338	5.22	ug/mL#	78
19) Hexachloroethane	7.00	117	96176	5.02	ug/mL	94
22) Nitrobenzene	7.06	77	221276	5.23	ug/mL	92
23) Isophorone	7.35	82	459030	5.15	ug/mL	99
24) 2-Nitrophenol	7.46	139	127226	5.10	ug/mL	91
25) 2,4-Dimethylphenol	7.49	122	178362	5.10	ug/mL	96
26) bis(2-Chloroethoxy)methane	7.60	93	294439	5.18	ug/mL	99
27) 2,4-Dichlorophenol	7.77	162	172638	5.12	ug/mL	99
28) 1,2,4-Trichlorobenzene	7.88	180	179219	5.11	ug/mL	97
29) Naphthalene	7.99	128	644963	5.33	ug/mL#	99
30) 4-Chloroaniline	8.03	65	72159	5.22	ug/mL#	85
31) Hexachlorobutadiene	8.13	225	80618	4.94	ug/mL	97
32) 4-Chloro-3-methylphenol	8.63	107	170412	5.14	ug/mL	96
33) 2-Methylnaphthalene	8.86	142	387708	5.32	ug/mL	96
34) 1-Methylnaphthalene	8.98	142	358387	5.26	ug/mL	92
36) Hexachlorocyclopentadiene	9.05	237	56332	4.37	ug/mL	98
37) 2,4,6-Trichlorophenol	9.21	196	98002	5.28	ug/mL	98
38) 2,3-Dichloroaniline	9.21	161	207098	5.26	ug/mL	88
39) 2,4,5-Trichlorophenol	9.27	196	103380	4.77	ug/mL	99
41) 2-Chloronaphthalene	9.47	162	361550	5.12	ug/mL	99

(#) = qualifier out of range (m) = manual integration

JP 4/18/23

Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410010.D Vial: 10
Acq On : 10 Apr 2023 2:03 pm Operator: JP
Sample : 5 PPM ICAL Inst : Ralph
Misc : SV6-103-08 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:16 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230228

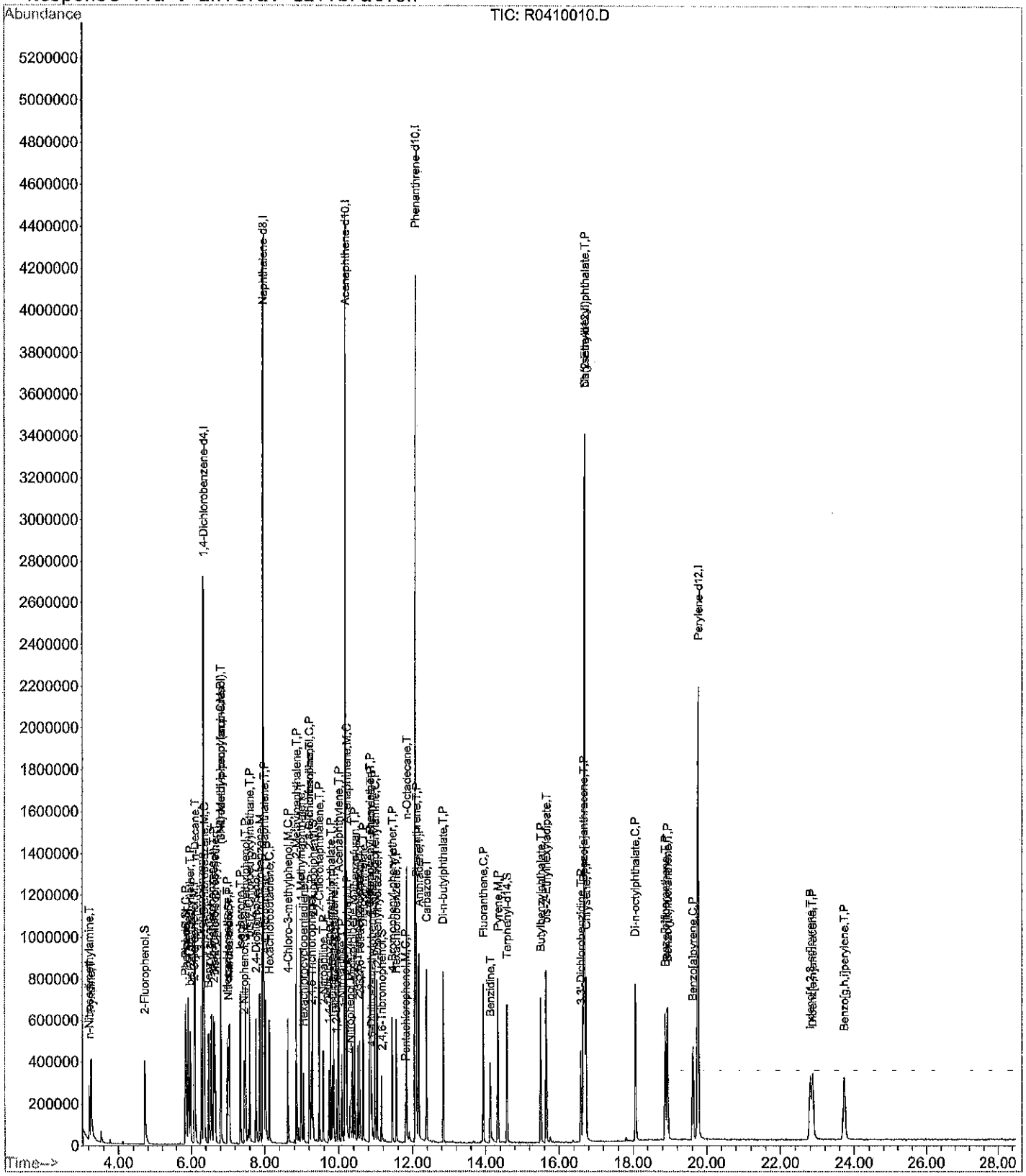
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	2-Nitroaniline	9.58	65	112085	5.16	ug/mL	85
43)	1,4-Dinitrobenzene	9.74	168	73595	5.15	ug/mL	84
44)	Dimethylphthalate	9.79	163	393615	5.03	ug/mL#	82
45)	1,3-Dinitrobenzene	9.84	168	86246	5.16	ug/mL#	69
46)	2,6-Dinitrotoluene	9.87	165	107191	5.25	ug/mL	82
47)	1,2-Dinitrobenzene	9.94	168	58934	5.38	ug/mL#	76
48)	Acenaphthylene	10.00	152	543664	5.17	ug/mL	97
49)	3-Nitroaniline	10.10	138	123041	5.20	ug/mL	95
50)	2,4-Dinitrophenol	10.23	184	18139	4.09	ug/mL#	1
51)	Acenaphthene	10.22	154	339785	5.20	ug/mL	90
52)	4-Nitrophenol	10.31	65	51339	4.62	ug/mL#	1
53)	2,4-Dinitrotoluene	10.38	165	134139	5.03	ug/mL#	70
54)	Dibenzofuran	10.43	168	481667	5.13	ug/mL	100
55)	2,3,5,6-Tetrachlorophenol	10.53	232	73034	4.77	ug/mL	96
56)	2,3,4,6-Tetrachlorophenol	10.58	232	77571	5.05	ug/mL	93
57)	Diethylphthalate	10.67	149	381311	5.12	ug/mL	98
58)	4-Chlorophenyl-phenylether	10.84	204	161013	5.24	ug/mL	98
59)	4-Nitroaniline	10.85	138	125059	5.31	ug/mL#	83
60)	Fluorene	10.86	166	386120	5.25	ug/mL	95
62)	4,6-Dinitro-2-methylphenol	10.89	198	47717	4.24	ug/mL#	79
63)	n-Nitrosodiphenylamine	10.99	169	330189	5.29	ug/mL	94
64)	1,2-Diphenylhydrazine	11.05	182	107121	5.19	ug/mL	96
66)	4-Bromophenyl-phenylether	11.46	248	83489	4.93	ug/mL	91
67)	Hexachlorobenzene	11.56	284	104151	5.15	ug/mL	93
68)	Pentachlorophenol	11.82	266	42272	4.21	ug/mL	98
69)	n-Octadecane	11.85	43	206055	5.44	ug/mL#	71
70)	Phenanthrene	12.11	178	518169	5.10	ug/mL	99
71)	Anthracene	12.18	178	535206	5.24	ug/mL	99
72)	Carbazole	12.39	167	512019	5.27	ug/mL	100
73)	Di-n-butylphthalate	12.84	149	681262	5.36	ug/mL	98
74)	Fluoranthene	13.94	202	470384	5.06	ug/mL	93
76)	Benzidine	14.14	184	303639	4.80	ug/mL	94
77)	Pyrene	14.34	202	482621	4.76	ug/mL	97
79)	Butylbenzylphthalate	15.51	149	288749	5.00	ug/mL	98
80)	bis-2-Ethylhexyladipate	15.65	129	261116	5.04	ug/mL	96
81)	3,3'-Dichlorobenzidine	16.59	252	174804	4.90	ug/mL	96
82)	Benzo[a]anthracene	16.66	228	430336	4.81	ug/mL	99
83)	Chrysene	16.74	228	404320	4.81	ug/mL	99
84)	bis(2-Ethylhexyl)phthalate	16.70	149	382069	5.07	ug/mL	98
85)	Di-n-octylphthalate	18.06	149	694844	4.97	ug/mL	89
87)	Benzo[b]fluoranthene	18.88	252	420295	4.90	ug/mL	93
88)	Benzo(j,k)fluoranthene	18.94	252	430158	5.17	ug/mL	93
89)	Benzo[a]pyrene	19.62	252	372891	5.06	ug/mL	92
90)	Indeno[1,2,3-cd]pyrene	22.80	276	368164m	4.91	ug/mL	
91)	Dibenz[a,h]anthracene	22.88	278	359553	5.01	ug/mL	88
92)	Benzo[g,h,i]perylene	23.73	276	359145	4.99	ug/mL	83

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410010.D Vial: 10
Acq On : 10 Apr 2023 2:03 pm Operator: JP
Sample : 5 PPM ICAL Inst : Ralph
Misc : SV6-103-08 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:16 2023 Quant Results File: SV230410.RES

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410011.D Vial: 11
Acq On : 10 Apr 2023 2:33 pm Operator: JP
Sample : 10 PPM ICAL Inst : Ralph
Misc : SV6-103-07 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:18 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230228

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	808104	25.00	ug/mL	0.00
20) Naphthalene-d8	7.96	136	2952556	25.00	ug/mL	0.00
35) Acenaphthene-d10	10.18	164	1514264	25.00	ug/mL	0.00
61) Phenanthrene-d10	12.08	188	2173792	25.00	ug/mL	0.00
75) Chrysene-d12	16.69	240	1769155	25.00	ug/mL	-0.01
86) Perylene-d12	19.77	264	1880390	25.00	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.73	112	473623	9.94	ug/mL	0.00
Spiked Amount 40.000	Range 21 - 110		Recovery = 24.85%			
5) Phenol-d6	5.85	99	593840	9.98	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 110		Recovery = 24.95%			
21) Nitrobenzene-d5	7.03	82	475020	10.25	ug/mL	0.00
Spiked Amount 40.000	Range 35 - 114		Recovery = 25.62%#			
40) 2-Fluorobiphenyl	9.30	172	783349	10.55	ug/mL	0.00
Spiked Amount 40.000	Range 43 - 116		Recovery = 26.38%#			
65) 2,4,6-Tribromophenol	11.17	330	109275	10.61	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 123		Recovery = 26.52%			
78) Terphenyl-d14	14.59	244	716353	10.07	ug/mL	0.00
Spiked Amount 40.000	Range 33 - 141		Recovery = 25.18%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.23	42	213613	10.17	ug/mL#	35
3) Pyridine	3.27	79	543338	10.24	ug/mL	90
6) Phenol	5.87	94	644998	10.33	ug/mL	87
7) Aniline	5.93	93	746202	10.28	ug/mL	97
8) bis(2-Chloroethyl)ether	5.98	93	557511	10.29	ug/mL	94
9) 2-Chlorophenol	6.09	128	464425	10.22	ug/mL	97
10) n-Decane	6.10	43	592187	10.16	ug/mL	84
11) 1,3-Dichlorobenzene	6.28	146	518179	10.08	ug/mL	98
12) 1,4-Dichlorobenzene	6.37	146	531614	10.22	ug/mL	97
13) Benzyl alcohol	6.49	108	324043	10.76	ug/mL#	82
14) 1,2-Dichlorobenzene	6.56	146	496326	10.15	ug/mL	98
15) 2-Methylphenol (o-Cresol)	6.62	107	403183	10.46	ug/mL	91
16) bis(2-Chloroisopropyl)ethe	6.65	45	905182	10.18	ug/mL	86
17) (3+4)-Methylphenol (m,p-Cr	6.82	107	511870	10.47	ug/mL	93
18) n-Nitroso-di-n-propylamine	6.82	70	353321	10.32	ug/mL#	79
19) Hexachloroethane	7.00	117	205404	10.32	ug/mL	91
22) Nitrobenzene	7.06	77	441990	10.25	ug/mL	90
23) Isophorone	7.35	82	936956	10.33	ug/mL	98
24) 2-Nitrophenol	7.46	139	272433	10.73	ug/mL	88
25) 2,4-Dimethylphenol	7.49	122	374547	10.52	ug/mL	99
26) bis(2-Chloroethoxy)methane	7.61	93	614891	10.63	ug/mL	99
27) 2,4-Dichlorophenol	7.78	162	366501	10.67	ug/mL	100
28) 1,2,4-Trichlorobenzene	7.88	180	369125	10.33	ug/mL	97
29) Naphthalene	7.99	128	1307225	10.61	ug/mL#	100
30) 4-Chloroaniline	8.02	65	149009	10.60	ug/mL#	88
31) Hexachlorobutadiene	8.14	225	170169	10.23	ug/mL	99
32) 4-Chloro-3-methylphenol	8.63	107	357982	10.60	ug/mL	97
33) 2-Methylnaphthalene	8.86	142	795513	10.72	ug/mL	95
34) 1-Methylnaphthalene	8.99	142	740659	10.67	ug/mL	94
36) Hexachlorocyclopentadiene	9.06	237	129933	9.34	ug/mL	99
37) 2,4,6-Trichlorophenol	9.20	196	211929	11.35	ug/mL	98
38) 2,3-Dichloroaniline	9.20	161	422796	10.69	ug/mL	92
39) 2,4,5-Trichlorophenol	9.26	196	240321	11.02	ug/mL	95
41) 2-Chloronaphthalene	9.48	162	755050	10.63	ug/mL	98

(#) = qualifier out of range (m) = manual integration

JP 4/18/23

Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410011.D Vial: 11
Acq On : 10 Apr 2023 2:33 pm Operator: JP
Sample : 10 PPM ICAL Inst : Ralph
Misc : SV6-103-07 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:18 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230228

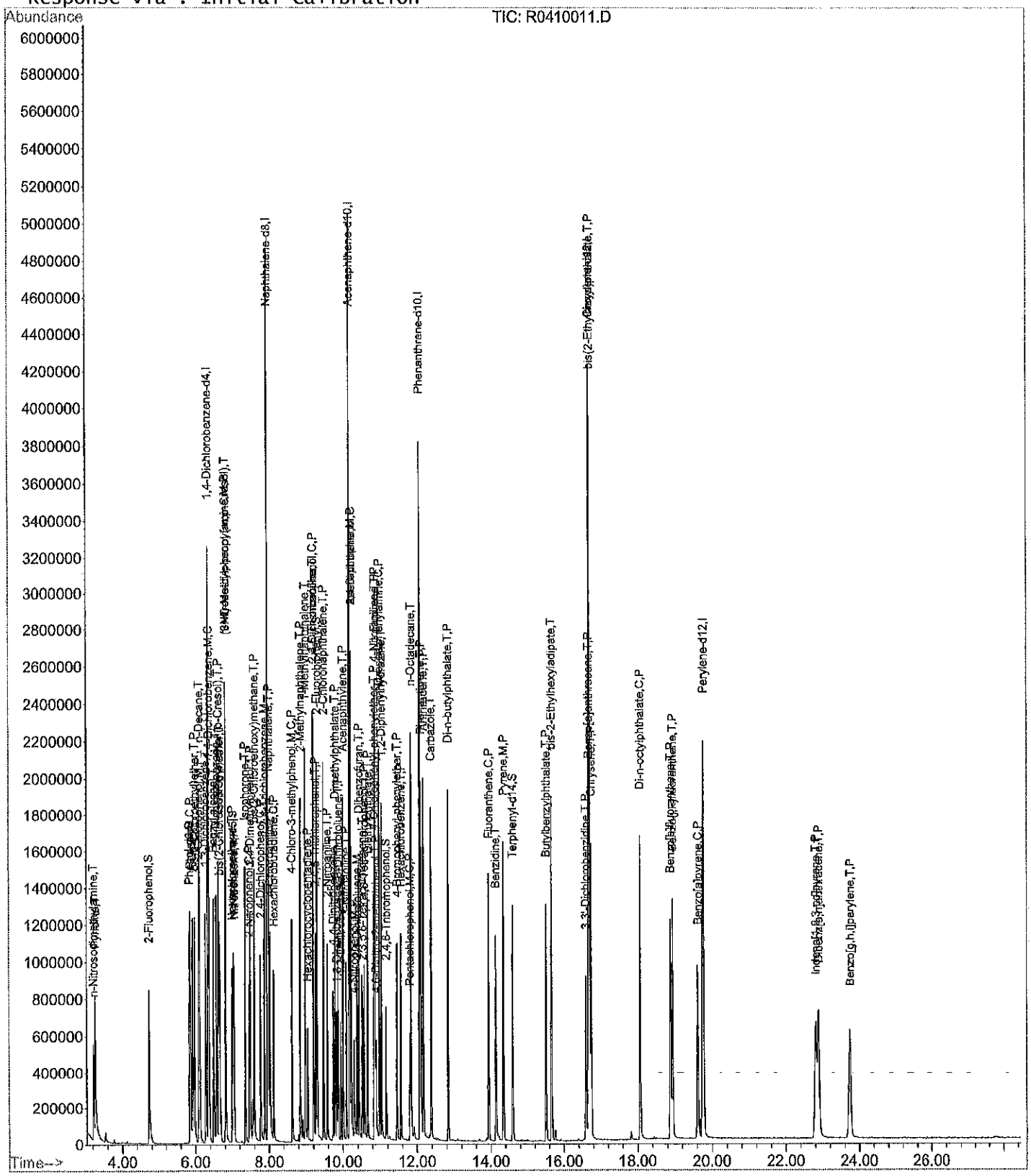
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	2-Nitroaniline	9.58	65	239710	10.98	ug/mL	85
43)	1,4-Dinitrobenzene	9.74	168	161291	11.22	ug/mL	86
44)	Dimethylphthalate	9.80	163	845298	10.74	ug/mL	99
45)	1,3-Dinitrobenzene	9.85	168	180891	10.77	ug/mL#	72
46)	2,6-Dinitrotoluene	9.88	165	222130	10.82	ug/mL	83
47)	1,2-Dinitrobenzene	9.95	168	115445	10.48	ug/mL#	80
48)	Acenaphthylene	10.01	152	1143231	10.81	ug/mL	96
49)	3-Nitroaniline	10.09	138	255297	10.73	ug/mL	95
50)	2,4-Dinitrophenol	10.22	184	65645	8.51	ug/mL#	1
51)	Acenaphthene	10.22	154	705882	10.74	ug/mL	92
52)	4-Nitrophenol	10.31	65	117752	9.61	ug/mL#	1
53)	2,4-Dinitrotoluene	10.39	165	285639	10.66	ug/mL#	69
54)	Dibenzofuran	10.44	168	1006014	10.66	ug/mL	98
55)	2,3,5,6-Tetrachlorophenol	10.53	232	162019	10.07	ug/mL	96
56)	2,3,4,6-Tetrachlorophenol	10.58	232	177385	11.49	ug/mL	94
57)	Diethylphthalate	10.67	149	803898	10.74	ug/mL	98
58)	4-Chlorophenyl-phenylether	10.85	204	330565	10.69	ug/mL	96
59)	4-Nitroaniline	10.86	138	253372	10.70	ug/mL#	85
60)	Fluorene	10.87	166	795522	10.75	ug/mL	96
62)	4,6-Dinitro-2-methylphenol	10.90	198	130396	9.55	ug/mL#	74
63)	n-Nitrosodiphenylamine	10.98	169	677029	10.62	ug/mL	90
64)	1,2-Diphenylhydrazine	11.04	182	223555	10.60	ug/mL	96
66)	4-Bromophenyl-phenylether	11.46	248	181424	10.49	ug/mL	92
67)	Hexachlorobenzene	11.57	284	216665	10.48	ug/mL	94
68)	Pentachlorophenol	11.81	266	110076	9.17	ug/mL	99
69)	n-Octadecane	11.84	43	419691	10.86	ug/mL#	76
70)	Phenanthrene	12.11	178	1070170	10.31	ug/mL	99
71)	Anthracene	12.18	178	1120593	10.74	ug/mL	98
72)	Carbazole	12.38	167	1068657	10.78	ug/mL	100
73)	Di-n-butylphthalate	12.84	149	1401770	10.79	ug/mL	99
74)	Fluoranthene	13.95	202	990781	10.43	ug/mL	94
76)	Benzidine	14.13	184	770103	12.07	ug/mL	96
77)	Pyrene	14.35	202	1011222	9.87	ug/mL	98
79)	Butylbenzylphthalate	15.51	149	594084	10.18	ug/mL	99
80)	bis-2-Ethylhexyladipate	15.66	129	547133	10.45	ug/mL	94
81)	3,3'-Dichlorobenzidine	16.60	252	364345	10.11	ug/mL	98
82)	Benzo[a]anthracene	16.67	228	909478	10.06	ug/mL	99
83)	Chrysene	16.74	228	862115	10.16	ug/mL	98
84)	bis(2-Ethylhexyl)phthalate	16.70	149	805528	10.58	ug/mL	98
85)	Di-n-octylphthalate	18.06	149	1497347	10.61	ug/mL	88
87)	Benzo[b]fluoranthene	18.88	252	907541	10.38	ug/mL	93
88)	Benzo(j,k)fluoranthene	18.94	252	894346	10.54	ug/mL	94
89)	Benzo[a]pyrene	19.63	252	792814	10.54	ug/mL	92
90)	Indeno[1,2,3-cd]pyrene	22.82	276	793278m	10.37	ug/mL	
91)	Dibenz[a,h]anthracene	22.89	278	776530	10.61	ug/mL	89
92)	Benzo[g,h,i]perylene	23.75	276	771073	10.50	ug/mL	84

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410011.D Vial: 11
Acq On : 10 Apr 2023 2:33 pm Operator: JP
Sample : 10 PPM ICAL Inst : Ralph
Misc : SV6-103-07 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:18 2023 Quant Results File: SV230410.RES

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410012.D Vial: 12
Acq On : 10 Apr 2023 3:18 pm Operator: JP
Sample : 20 PPM ICAL Inst : Ralph
Misc : SV6-103-06 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:20 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230228

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	774019	25.00	ug/mL	0.00
20) Naphthalene-d8	7.97	136	2906313	25.00	ug/mL	0.00
35) Acenaphthene-d10	10.19	164	1488948	25.00	ug/mL	0.00
61) Phenanthrene-d10	12.08	188	2127266	25.00	ug/mL	0.00
75) Chrysene-d12	16.71	240	1682155	25.00	ug/mL	0.00
86) Perylene-d12	19.78	264	1864759	25.00	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.73	112	967186	21.19	ug/mL	0.00
Spiked Amount 40.000	Range 21 - 110		Recovery = 52.98%			
5) Phenol-d6	5.85	99	1182771	20.76	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 110		Recovery = 51.90%			
21) Nitrobenzene-d5	7.04	82	941321	20.63	ug/mL	0.00
Spiked Amount 40.000	Range 35 - 114		Recovery = 51.57%			
40) 2-Fluorobiphenyl	9.31	172	1514986	20.74	ug/mL	0.00
Spiked Amount 40.000	Range 43 - 116		Recovery = 51.85%			
65) 2,4,6-Tribromophenol	11.17	330	231619	22.98	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 123		Recovery = 57.45%			
78) Terphenyl-d14	14.60	244	1394126	20.61	ug/mL	0.00
Spiked Amount 40.000	Range 33 - 141		Recovery = 51.52%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.23	42	413517	20.56	ug/mL#	29
3) Pyridine	3.27	79	1090381	21.46	ug/mL	89
6) Phenol	5.87	94	1262200	21.11	ug/mL	87
7) Aniline	5.93	93	1451388	20.88	ug/mL	96
8) bis(2-Chloroethyl)ether	5.98	93	1072105	20.67	ug/mL	93
9) 2-Chlorophenol	6.10	128	900971	20.71	ug/mL	96
10) n-Decane	6.11	43	1126263	20.17	ug/mL	82
11) 1,3-Dichlorobenzene	6.28	146	1003439	20.37	ug/mL	98
12) 1,4-Dichlorobenzene	6.37	146	1009537	20.26	ug/mL	98
13) Benzyl alcohol	6.49	108	624310	21.64	ug/mL#	83
14) 1,2-Dichlorobenzene	6.57	146	959222	20.48	ug/mL	98
15) 2-Methylphenol (o-Cresol)	6.63	107	771609	20.90	ug/mL	93
16) bis(2-Chloroisopropyl)ethe	6.66	45	1753927	20.60	ug/mL	85
17) (3+4)-Methylphenol (m,p-Cr	6.82	107	977133	20.87	ug/mL	93
18) n-Nitroso-di-n-propylamine	6.82	70	672595	20.51	ug/mL#	77
19) Hexachloroethane	7.00	117	395119	20.72	ug/mL	92
22) Nitrobenzene	7.07	77	867831	20.45	ug/mL	90
23) Isophorone	7.35	82	1821416	20.40	ug/mL	97
24) 2-Nitrophenol	7.47	139	538554	21.54	ug/mL	89
25) 2,4-Dimethylphenol	7.49	122	723920	20.66	ug/mL	98
26) bis(2-Chloroethoxy)methane	7.61	93	1164504	20.45	ug/mL	98
27) 2,4-Dichlorophenol	7.77	162	704934	20.85	ug/mL	99
28) 1,2,4-Trichlorobenzene	7.89	180	726510	20.66	ug/mL	95
29) Naphthalene	7.99	128	2490376	20.53	ug/mL#	99
30) 4-Chloroaniline	8.03	65	279939	20.22	ug/mL	91
31) Hexachlorobutadiene	8.13	225	331605	20.25	ug/mL	99
32) 4-Chloro-3-methylphenol	8.63	107	695635	20.92	ug/mL	98
33) 2-Methylnaphthalene	8.86	142	1496065	20.48	ug/mL	96
34) 1-Methylnaphthalene	8.99	142	1395146	20.42	ug/mL	93
36) Hexachlorocyclopentadiene	9.05	237	286237	20.27	ug/mL	98
37) 2,4,6-Trichlorophenol	9.21	196	406551	22.15	ug/mL	98
38) 2,3-Dichloroaniline	9.21	161	826256	21.25	ug/mL	91
39) 2,4,5-Trichlorophenol	9.27	196	458500	21.38	ug/mL	99
41) 2-Chloronaphthalene	9.48	162	1447350	20.72	ug/mL	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410012.D Vial: 12
Acq On : 10 Apr 2023 3:18 pm Operator: JP
Sample : 20 PPM ICAL Inst : Ralph
Misc : SV6-103-06 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:20 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230228

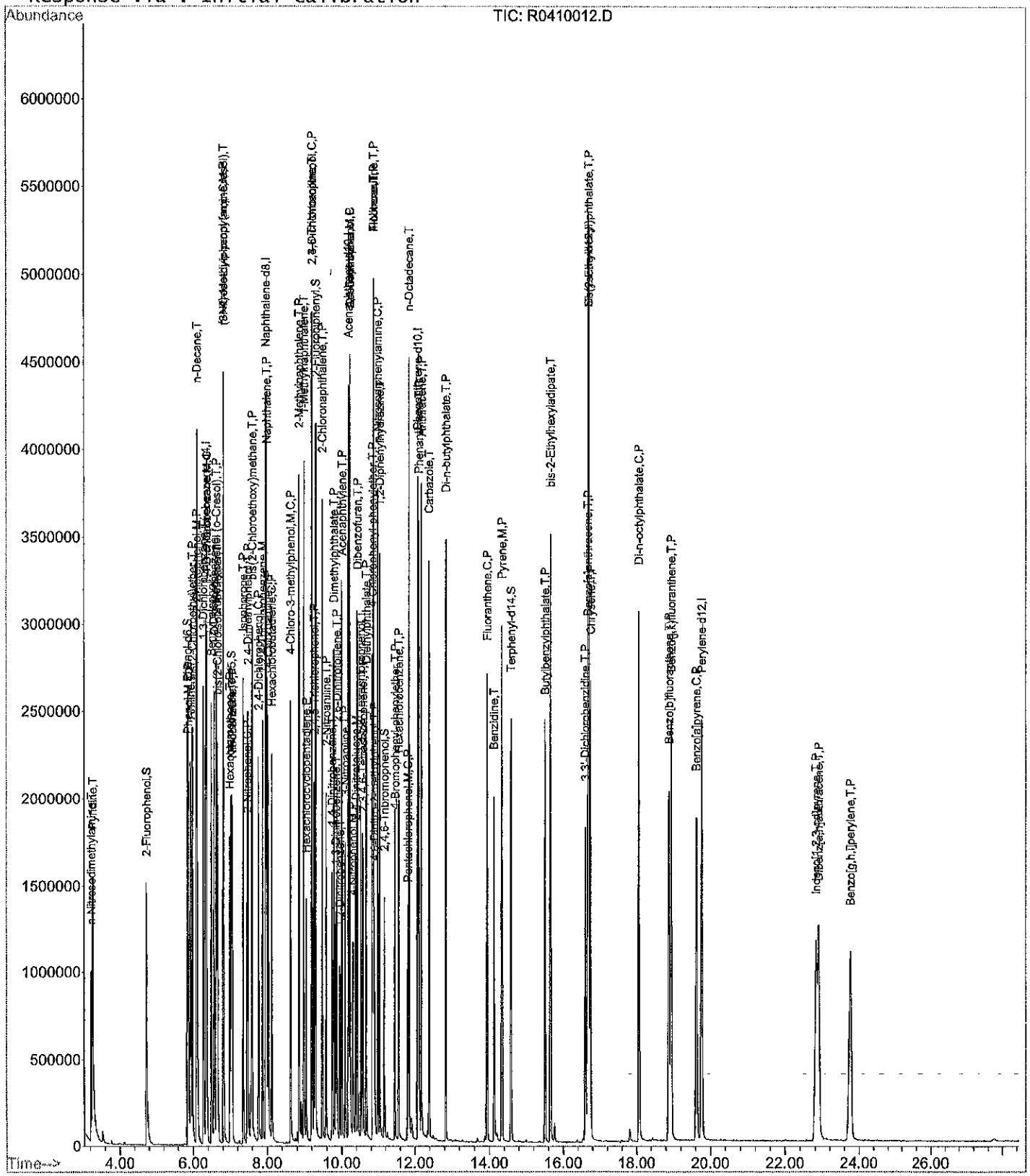
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	2-Nitroaniline	9.58	65	455036	21.20	ug/mL#	81
43)	1,4-Dinitrobenzene	9.75	168	314668	22.26	ug/mL	84
44)	Dimethylphthalate	9.80	163	1566600	20.25	ug/mL	99
45)	1,3-Dinitrobenzene	9.85	168	357247	21.63	ug/mL#	82
46)	2,6-Dinitrotoluene	9.88	165	421907	20.89	ug/mL	82
47)	1,2-Dinitrobenzene	9.96	168	231578	21.38	ug/mL#	77
48)	Acenaphthylene	10.01	152	2166024	20.83	ug/mL	97
49)	3-Nitroaniline	10.11	138	502946	21.50	ug/mL	96
50)	2,4-Dinitrophenol	10.23	184	176516	19.11	ug/mL#	51
51)	Acenaphthene	10.23	154	1320264	20.43	ug/mL	93
52)	4-Nitrophenol	10.31	65	250582	19.94	ug/mL#	1
53)	2,4-Dinitrotoluene	10.39	165	563057	21.38	ug/mL#	69
54)	Dibenzofuran	10.43	168	1877182	20.23	ug/mL	99
55)	2,3,5,6-Tetrachlorophenol	10.53	232	327821	20.32	ug/mL	96
56)	2,3,4,6-Tetrachlorophenol	10.59	232	347906	22.92	ug/mL	95
57)	Diethylphthalate	10.68	149	1514945	20.58	ug/mL	98
58)	4-Chlorophenyl-phenylether	10.84	204	620435	20.41	ug/mL	96
59)	4-Nitroaniline	10.87	138	491615	21.11	ug/mL#	84
60)	Fluorene	10.87	166	1481373	20.37	ug/mL	95
62)	4,6-Dinitro-2-methylphenol	10.90	198	280334	19.71	ug/mL#	78
63)	n-Nitrosodiphenylamine	10.99	169	1280899	20.54	ug/mL	93
64)	1,2-Diphenylhydrazine	11.05	182	440708	21.36	ug/mL	92
66)	4-Bromophenyl-phenylether	11.47	248	348999	20.62	ug/mL	94
67)	Hexachlorobenzene	11.57	284	416908	20.62	ug/mL	95
68)	Pentachlorophenol	11.82	266	247474	19.75	ug/mL	98
69)	n-Octadecane	11.85	43	767449	20.28	ug/mL#	73
70)	Phenanthrene	12.11	178	1998517	19.68	ug/mL	98
71)	Anthracene	12.18	178	2115882	20.72	ug/mL	99
72)	Carbazole	12.39	167	2020136	20.82	ug/mL	100
73)	Di-n-butylphthalate	12.85	149	2591780	20.39	ug/mL	99
74)	Fluoranthene	13.95	202	1876631	20.18	ug/mL	93
76)	Benzidine	14.14	184	1339558	22.08	ug/mL	96
77)	Pyrene	14.35	202	1933964	19.86	ug/mL	98
79)	Butylbenzylphthalate	15.52	149	1166557	21.03	ug/mL	96
80)	bis-2-Ethylhexyladipate	15.66	129	1049223	21.08	ug/mL	95
81)	3,3'-Dichlorobenzidine	16.60	252	727480	21.24	ug/mL	97
82)	Benzo[a]anthracene	16.68	228	1712171	19.91	ug/mL	99
83)	Chrysene	16.76	228	1612293	19.98	ug/mL	99
84)	bis(2-Ethylhexyl)phthalate	16.71	149	1505841	20.80	ug/mL	98
85)	Di-n-octylphthalate	18.07	149	2847769	21.22	ug/mL	87
87)	Benzo[b]fluoranthene	18.90	252	1718094	19.81	ug/mL	93
88)	Benzo(j,k)fluoranthene	18.96	252	1753451	20.84	ug/mL	94
89)	Benzo[a]pyrene	19.63	252	1536114	20.60	ug/mL	93
90)	Indeno[1,2,3-cd]pyrene	22.84	276	1605796m	21.18	ug/mL	
91)	Dibenz[a,h]anthracene	22.92	278	1537859	21.19	ug/mL	90
92)	Benzo[g,h,i]perylene	23.78	276	1516646	20.83	ug/mL	85

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410012.D Vial: 12
Acq On : 10 Apr 2023 3:18 pm Operator: JP
Sample : 20 PPM ICAL Inst : Ralph
Misc : SV6-103-06 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:20 2023 Quant Results File: SV230410.RES

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410013.D Vial: 13
Acq On : 10 Apr 2023 3:48 pm Operator: JP
Sample : 35 PPM ICAL Inst : Ralph
Misc : SV6-103-05 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:23 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230228

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	810908	25.00	ug/mL	0.00
20) Naphthalene-d8	7.96	136	2973898	25.00	ug/mL	0.00
35) Acenaphthene-d10	10.18	164	1505403	25.00	ug/mL	0.00
61) Phenanthrene-d10	12.09	188	2200669	25.00	ug/mL	0.00
75) Chrysene-d12	16.71	240	1661549	25.00	ug/mL	0.00
86) Perylene-d12	19.78	264	1931903	25.00	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.73	112	1690082	35.34	ug/mL	0.00
Spiked Amount 40.000	Range 21 - 110		Recovery = 88.35%			
5) Phenol-d6	5.86	99	2025396	33.93	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 110		Recovery = 84.82%			
21) Nitrobenzene-d5	7.04	82	1603066	34.34	ug/mL	0.00
Spiked Amount 40.000	Range 35 - 114		Recovery = 85.85%			
40) 2-Fluorobiphenyl	9.31	172	2505127	33.93	ug/mL	0.00
Spiked Amount 40.000	Range 43 - 116		Recovery = 84.82%			
65) 2,4,6-Tribromophenol	11.18	330	392349	37.63	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 123		Recovery = 94.08%			
78) Terphenyl-d14	14.60	244	2345685	35.10	ug/mL	0.00
Spiked Amount 40.000	Range 33 - 141		Recovery = 87.75%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.24	42	721187	34.23	ug/mL#	27
3) Pyridine	3.27	79	1913318	35.95	ug/mL	90
6) Phenol	5.87	94	2136383	34.10	ug/mL	87
7) Aniline	5.93	93	2612701	35.88	ug/mL	95
8) bis(2-Chloroethyl)ether	5.99	93	1785608	32.86	ug/mL	95
9) 2-Chlorophenol	6.09	128	1561513	34.26	ug/mL	96
10) n-Decane	6.11	43	1859053	31.77	ug/mL	81
11) 1,3-Dichlorobenzene	6.29	146	1726790	33.46	ug/mL	98
12) 1,4-Dichlorobenzene	6.37	146	1760829	33.74	ug/mL	98
13) Benzyl alcohol	6.50	108	1089594	36.05	ug/mL#	83
14) 1,2-Dichlorobenzene	6.57	146	1671359	34.07	ug/mL	98
15) 2-Methylphenol (o-Cresol)	6.62	107	1337898	34.58	ug/mL	89
16) bis(2-Chloroisopropyl)ethe	6.66	45	3012188	33.78	ug/mL	75
17) (3+4)-Methylphenol (m,p-Cr	6.83	107	1660071	33.84	ug/mL	93
18) n-Nitroso-di-n-propylamine	6.84	70	1152765	33.55	ug/mL#	78
19) Hexachloroethane	7.00	117	690926	34.59	ug/mL	90
22) Nitrobenzene	7.06	77	1492072	34.36	ug/mL	89
23) Isophorone	7.37	82	3106239	34.00	ug/mL	97
24) 2-Nitrophenol	7.47	139	933788	36.50	ug/mL	88
25) 2,4-Dimethylphenol	7.49	122	1255708	35.02	ug/mL	98
26) bis(2-Chloroethoxy)methane	7.61	93	1979661	33.98	ug/mL	97
27) 2,4-Dichlorophenol	7.78	162	1245108	35.99	ug/mL	99
28) 1,2,4-Trichlorobenzene	7.88	180	1241620	34.51	ug/mL	96
29) Naphthalene	7.99	128	4078385	32.86	ug/mL	100
30) 4-Chloroaniline	8.04	65	479982	33.89	ug/mL#	90
31) Hexachlorobutadiene	8.14	225	566024	33.79	ug/mL	99
32) 4-Chloro-3-methylphenol	8.64	107	1224379	35.98	ug/mL	99
33) 2-Methylnaphthalene	8.86	142	2532564	33.88	ug/mL	96
34) 1-Methylnaphthalene	8.99	142	2374177	33.96	ug/mL	94
36) Hexachlorocyclopentadiene	9.06	237	519667	35.97	ug/mL	99
37) 2,4,6-Trichlorophenol	9.21	196	705398	38.01	ug/mL	97
38) 2,3-Dichloroaniline	9.21	161	1287738	32.75	ug/mL	98
39) 2,4,5-Trichlorophenol	9.26	196	817058	37.69	ug/mL	99
41) 2-Chloronaphthalene	9.49	162	2455281	34.77	ug/mL	98

(#) = qualifier out of range (m) = manual integration

JP 4/18/23

Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410013.D Vial: 13
Acq On : 10 Apr 2023 3:48 pm Operator: JP
Sample : 35 PPM ICAL Inst : Ralph
Misc : SV6-103-05 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:23 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230228

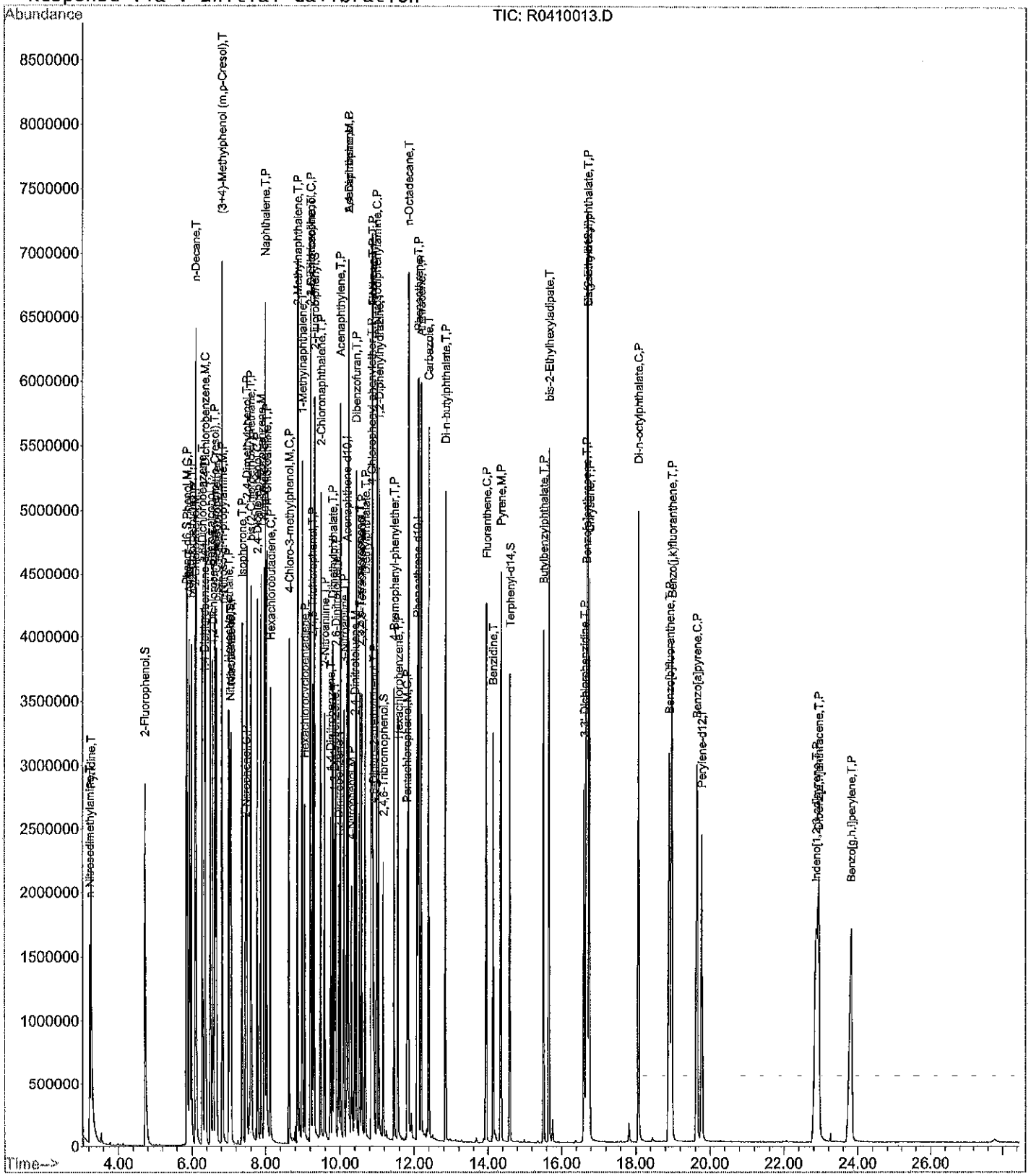
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	2-Nitroaniline	9.59	65	791785	36.48	ug/mL#	80
43)	1,4-Dinitrobenzene	9.75	168	571513m	39.98	ug/mL	
44)	Dimethylphthalate	9.81	163	2704068	34.57	ug/mL	99
45)	1,3-Dinitrobenzene	9.86	168	627363	37.56	ug/mL#	80
46)	2,6-Dinitrotoluene	9.89	165	747493	36.61	ug/mL	80
47)	1,2-Dinitrobenzene	9.97	168	404292	36.92	ug/mL#	78
48)	Acenaphthylene	10.01	152	3591109	34.15	ug/mL	96
49)	3-Nitroaniline	10.11	138	874653	36.98	ug/mL	97
50)	2,4-Dinitrophenol	10.24	184	351484	35.32	ug/mL#	77
51)	Acenaphthene	10.24	154	2219784	33.97	ug/mL	93
52)	4-Nitrophenol	10.32	65	465411	36.01	ug/mL#	1
53)	2,4-Dinitrotoluene	10.40	165	983068	36.92	ug/mL#	69
54)	Dibenzofuran	10.44	168	3206541	34.19	ug/mL	99
55)	2,3,5,6-Tetrachlorophenol	10.53	232	588387	35.78	ug/mL	97
56)	2,3,4,6-Tetrachlorophenol	10.58	232	617221	40.22	ug/mL	96
57)	Diethylphthalate	10.69	149	2612645	35.10	ug/mL	98
58)	4-Chlorophenyl-phenylether	10.85	204	1062311	34.56	ug/mL	96
59)	4-Nitroaniline	10.88	138	848591	36.04	ug/mL#	83
60)	Fluorene	10.88	166	2450787	33.33	ug/mL	96
62)	4,6-Dinitro-2-methylphenol	10.91	198	532933	35.32	ug/mL#	76
63)	n-Nitrosodiphenylamine	10.99	169	2221282	34.42	ug/mL	91
64)	1,2-Diphenylhydrazine	11.05	182	746935	34.99	ug/mL#	91
66)	4-Bromophenyl-phenylether	11.46	248	616779	35.23	ug/mL	95
67)	Hexachlorobenzene	11.58	284	736188	35.19	ug/mL	96
68)	Pentachlorophenol	11.81	266	467499	35.23	ug/mL	99
69)	n-Octadecane	11.85	43	1206786	30.83	ug/mL#	71
70)	Phenanthrene	12.12	178	3410634	32.46	ug/mL	98
71)	Anthracene	12.19	178	3572357	33.81	ug/mL	98
72)	Carbazole	12.39	167	3441279	34.28	ug/mL	100
73)	Di-n-butylphthalate	12.85	149	4483233	34.09	ug/mL	99
74)	Fluoranthene	13.96	202	3192195	33.18	ug/mL	94
76)	Benzidine	14.14	184	2273556	37.94	ug/mL	96
77)	Pyrene	14.36	202	3322979	34.54	ug/mL	98
79)	Butylbenzylphthalate	15.52	149	2001502	36.53	ug/mL	96
80)	bis-2-Ethylhexyladipate	15.67	129	1769523	36.00	ug/mL	96
81)	3,3'-Dichlorobenzidine	16.62	252	1258598	37.20	ug/mL	97
82)	Benzo[a]anthracene	16.68	228	2964316	34.90	ug/mL	97
83)	Chrysene	16.76	228	2835659	35.57	ug/mL	99
84)	bis(2-Ethylhexyl)phthalate	16.71	149	2540510	35.52	ug/mL	99
85)	Di-n-octylphthalate	18.07	149	4899347	36.96	ug/mL	86
87)	Benzo[b]fluoranthene	18.91	252	3088249	34.37	ug/mL	94
88)	Benzo(j,k)fluoranthene	18.97	252	3020522	34.66	ug/mL	95
89)	Benzo[a]pyrene	19.65	252	2692435	34.86	ug/mL	93
90)	Indeno[1,2,3-cd]pyrene	22.87	276	2936487m	37.38	ug/mL	
91)	Dibenz[a,h]anthracene	22.94	278	2738588	36.42	ug/mL	90
92)	Benzo[g,h,i]perylene	23.82	276	2705266	35.87	ug/mL	86

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410013.D Vial: 13
Acq On : 10 Apr 2023 3:48 pm Operator: JP
Sample : 35 PPM ICAL Inst : Ralph
Misc : SV6-103-05 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:23 2023 Quant Results File: SV230410.RES

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410014.D Vial: 14
Acq On : 10 Apr 2023 4:18 pm Operator: JP
Sample : 50 PPM ICAL Inst : Ralph
Misc : SV6-103-04 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:25 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230228

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	782201	25.00	ug/mL	0.00
20) Naphthalene-d8	7.97	136	2935138	25.00	ug/mL	0.00
35) Acenaphthene-d10	10.19	164	1503685	25.00	ug/mL	0.00
61) Phenanthrene-d10	12.09	188	2188640	25.00	ug/mL	0.01
75) Chrysene-d12	16.72	240	1552025	25.00	ug/mL	0.01
86) Perylene-d12	19.79	264	1887603	25.00	ug/mL	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.72	112	2384562	51.69	ug/mL	0.00
Spiked Amount 40.000	Range 21 - 110		Recovery = 129.22%#			
5) Phenol-d6	5.85	99	2832577	49.20	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 110		Recovery = 123.00%#			
21) Nitrobenzene-d5	7.05	82	2302749	49.98	ug/mL	0.01
Spiked Amount 40.000	Range 35 - 114		Recovery = 124.95%#			
40) 2-Fluorobiphenyl	9.32	172	3404586	46.16	ug/mL	0.01
Spiked Amount 40.000	Range 43 - 116		Recovery = 115.40%			
65) 2,4,6-Tribromophenol	11.18	330	568085	54.79	ug/mL	0.01
Spiked Amount 40.000	Range 10 - 123		Recovery = 136.97%#			
78) Terphenyl-d14	14.61	244	3236539	51.85	ug/mL	0.01
Spiked Amount 40.000	Range 33 - 141		Recovery = 129.63%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.23	42	1048028	51.56	ug/mL#	31
3) Pyridine	3.27	79	2786356	54.27	ug/mL	89
6) Phenol	5.87	94	2965562	49.07	ug/mL	87
7) Aniline	5.93	93	3667221	52.21	ug/mL	94
8) bis(2-Chloroethyl)ether	5.99	93	2394715	45.68	ug/mL	96
9) 2-Chlorophenol	6.10	128	2145826	48.81	ug/mL	94
10) n-Decane	6.12	43	2428223	43.03	ug/mL	80
11) 1,3-Dichlorobenzene	6.29	146	2404346	48.30	ug/mL	98
12) 1,4-Dichlorobenzene	6.37	146	2396270	47.60	ug/mL	98
13) Benzyl alcohol	6.51	108	1521163	52.18	ug/mL#	82
14) 1,2-Dichlorobenzene	6.57	146	2276489	48.10	ug/mL	98
15) 2-Methylphenol (o-Cresol)	6.63	107	1832472	49.11	ug/mL	89
16) bis(2-Chloroisopropyl)ethe	6.67	45	4113181	47.81	ug/mL	75
17) (3+4)-Methylphenol (m,p-Cr	6.83	107	2252435	47.60	ug/mL	93
18) n-Nitroso-di-n-propylamine	6.84	70	1590070	47.98	ug/mL#	78
19) Hexachloroethane	7.01	117	949200	49.27	ug/mL	93
22) Nitrobenzene	7.08	77	2114390	49.34	ug/mL	90
23) Isophorone	7.37	82	4304410	47.74	ug/mL	97
24) 2-Nitrophenol	7.47	139	1313055	52.01	ug/mL	88
25) 2,4-Dimethylphenol	7.50	122	1738890	49.14	ug/mL	98
26) bis(2-Chloroethoxy)methane	7.61	93	2744986	47.73	ug/mL	97
27) 2,4-Dichlorophenol	7.78	162	1712789	50.16	ug/mL	99
28) 1,2,4-Trichlorobenzene	7.89	180	1742249	49.07	ug/mL	95
29) Naphthalene	8.00	128	5500495	44.90	ug/mL#	100
30) 4-Chloroaniline	8.04	65	657270	47.02	ug/mL	90
31) Hexachlorobutadiene	8.13	225	789766	47.77	ug/mL	99
32) 4-Chloro-3-methylphenol	8.63	107	1700516	50.64	ug/mL	99
33) 2-Methylnaphthalene	8.87	142	3390321	45.95	ug/mL	96
34) 1-Methylnaphthalene	8.99	142	3191056	46.24	ug/mL	94
36) Hexachlorocyclopentadiene	9.06	237	730192	50.39	ug/mL	99
37) 2,4,6-Trichlorophenol	9.22	196	920385	49.65	ug/mL	98
38) 2,3-Dichloroaniline	9.22	161	1801769	45.88	ug/mL	93
39) 2,4,5-Trichlorophenol	9.27	196	1115524	51.52	ug/mL	99
41) 2-Chloronaphthalene	9.48	162	3330435	47.21	ug/mL	97

(#) = qualifier out of range (m) = manual integration

JP 4/18/23

Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410014.D Vial: 14
Acq On : 10 Apr 2023 4:18 pm Operator: JP
Sample : 50 PPM ICAL Inst : Ralph
Misc : SV6-103-04 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:25 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230228

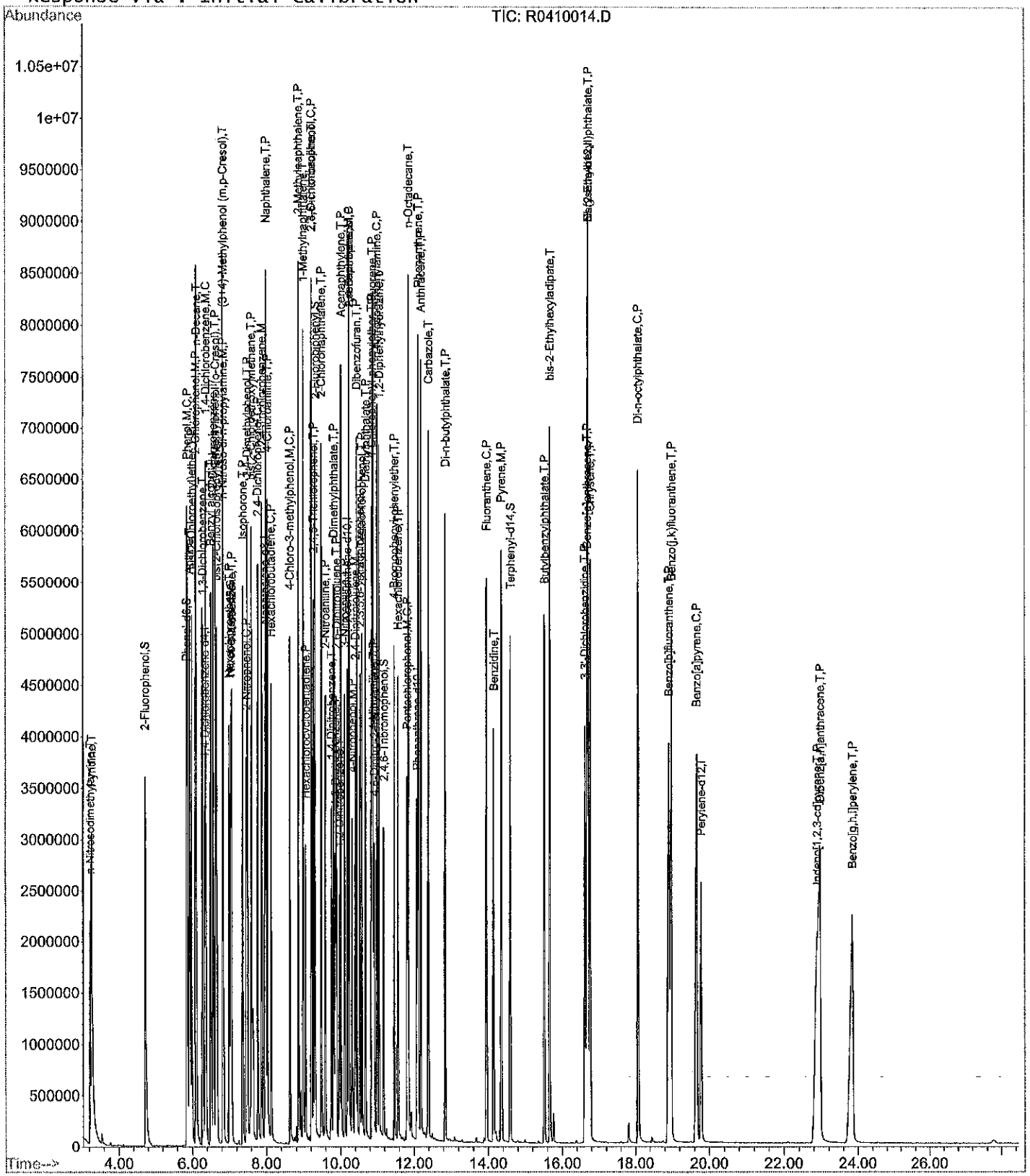
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	2-Nitroaniline	9.60	65	1066559	49.20	ug/mL#	78
43)	1,4-Dinitrobenzene	9.76	168	808667m	56.64	ug/mL	
44)	Dimethylphthalate	9.82	163	3741477	47.89	ug/mL	99
45)	1,3-Dinitrobenzene	9.86	168	884616	53.03	ug/mL#	90
46)	2,6-Dinitrotoluene	9.89	165	1043713	51.18	ug/mL	80
47)	1,2-Dinitrobenzene	9.97	168	587839	53.74	ug/mL#	75
48)	Acenaphthylene	10.01	152	4874670	46.41	ug/mL	97
49)	3-Nitroaniline	10.12	138	1205679	51.03	ug/mL	95
50)	2,4-Dinitrophenol	10.24	184	507003	49.95	ug/mL#	88
51)	Acenaphthene	10.23	154	2972196	45.53	ug/mL	94
52)	4-Nitrophenol	10.32	65	667686	51.40	ug/mL#	1
53)	2,4-Dinitrotoluene	10.40	165	1352735	50.86	ug/mL#	68
54)	Dibenzofuran	10.44	168	4274398	45.62	ug/mL	99
55)	2,3,5,6-Tetrachlorophenol	10.54	232	834957	50.67	ug/mL	98
56)	2,3,4,6-Tetrachlorophenol	10.59	232	846298	55.22	ug/mL	96
57)	Diethylphthalate	10.69	149	3538653	47.60	ug/mL	99
58)	4-Chlorophenyl-phenylether	10.85	204	1430539	46.59	ug/mL	96
59)	4-Nitroaniline	10.89	138	1188883	50.55	ug/mL#	83
60)	Fluorene	10.87	166	3345376	45.54	ug/mL	95
62)	4,6-Dinitro-2-methylphenol	10.93	198	762836	50.37	ug/mL#	77
63)	n-Nitrosodiphenylamine	11.00	169	2972962	46.33	ug/mL	90
64)	1,2-Diphenylhydrazine	11.06	182	1035962	48.80	ug/mL#	87
66)	4-Bromophenyl-phenylether	11.47	248	838847	48.18	ug/mL	94
67)	Hexachlorobenzene	11.57	284	1019072	48.98	ug/mL	96
68)	Pentachlorophenol	11.82	266	679119	51.00	ug/mL	99
69)	n-Octadecane	11.86	43	1607699	41.30	ug/mL#	70
70)	Phenanthrene	12.12	178	4562429	43.66	ug/mL	98
71)	Anthracene	12.19	178	4836075	46.03	ug/mL	98
72)	Carbazole	12.40	167	4673184	46.81	ug/mL	100
73)	Di-n-butylphthalate	12.86	149	6034698	46.14	ug/mL	99
74)	Fluoranthene	13.96	202	4371895	45.69	ug/mL	94
76)	Benzidine	14.16	184	3302323	59.00	ug/mL	96
77)	Pyrene	14.36	202	4561579	50.76	ug/mL	98
79)	Butylbenzylphthalate	15.53	149	2731418	53.37	ug/mL	95
80)	bis-2-Ethylhexyladipate	15.67	129	2406831	52.41	ug/mL	95
81)	3,3'-Dichlorobenzidine	16.62	252	1801443	57.00	ug/mL	98
82)	Benzo[a]anthracene	16.69	228	4055848	51.13	ug/mL	98
83)	Chrysene	16.78	228	3832206	51.47	ug/mL	99
84)	bis(2-Ethylhexyl)phthalate	16.72	149	3349429	50.13	ug/mL	99
85)	Di-n-octylphthalate	18.08	149	6606865	53.35	ug/mL	85
87)	Benzo[b]fluoranthene	18.92	252	4516575	51.45	ug/mL	96
88)	Benzo(j,k)fluoranthene	18.99	252	3939799	46.26	ug/mL	95
89)	Benzo[a]pyrene	19.66	252	3798926	50.33	ug/mL	94
90)	Indeno[1,2,3-cd]pyrene	22.90	276	4143558m	53.98	ug/mL	
91)	Dibenz[a,h]anthracene	22.98	278	3852845	52.44	ug/mL	91
92)	Benzo[g,h,i]perylene	23.85	276	3849209	52.23	ug/mL	86

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410014.D Vial: 14
Acq On : 10 Apr 2023 4:18 pm Operator: JP
Sample : 50 PPM ICAL Inst : Ralph
Misc : SV6-103-04 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:25 2023 Quant Results File: SV230410.RES

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410015.D Vial: 15
Acq On : 10 Apr 2023 5:04 pm Operator: JP
Sample : 60 PPM ICAL Inst : Ralph
Misc : SV6-103-03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:27 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230228

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	806379	25.00	ug/mL	0.00
20) Naphthalene-d8	7.97	136	3049871	25.00	ug/mL	0.00
35) Acenaphthene-d10	10.19	164	1573593	25.00	ug/mL	0.00
61) Phenanthrene-d10	12.09	188	2288234	25.00	ug/mL	0.01
75) Chrysene-d12	16.73	240	1604303	25.00	ug/mL	0.02
86) Perylene-d12	19.80	264	2028757	25.00	ug/mL	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	4.73	112	2973396	62.52	ug/mL	0.00
Spiked Amount 40.000	Range 21 - 110		Recovery = 156.30%#			
5) Phenol-d6	5.86	99	3406000	57.39	ug/mL	0.01
Spiked Amount 40.000	Range 10 - 110		Recovery = 143.47%#			
21) Nitrobenzene-d5	7.05	82	2809789	58.69	ug/mL	0.01
Spiked Amount 40.000	Range 35 - 114		Recovery = 146.72%#			
40) 2-Fluorobiphenyl	9.32	172	4057040	52.56	ug/mL	0.01
Spiked Amount 40.000	Range 43 - 116		Recovery = 131.40%#			
65) 2,4,6-Tribromophenol	11.18	330	721841	66.59	ug/mL	0.01
Spiked Amount 40.000	Range 10 - 123		Recovery = 166.48%#			
78) Terphenyl-d14	14.61	244	3991505	61.86	ug/mL	0.01
Spiked Amount 40.000	Range 33 - 141		Recovery = 154.65%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.24	42	1263963	60.32	ug/mL#	28
3) Pyridine	3.27	79	3421838	64.65	ug/mL	89
6) Phenol	5.88	94	3595642	57.71	ug/mL	87
7) Aniline	5.94	93	4404754	60.83	ug/mL	96
8) bis(2-Chloroethyl)ether	5.99	93	3018651	55.86	ug/mL	94
9) 2-Chlorophenol	6.10	128	2597926	57.32	ug/mL	94
10) n-Decane	6.12	43	2869528	49.32	ug/mL	79
11) 1,3-Dichlorobenzene	6.29	146	2869718	55.92	ug/mL	98
12) 1,4-Dichlorobenzene	6.37	146	2897599	55.83	ug/mL	98
13) Benzyl alcohol	6.51	108	1877963	62.49	ug/mL#	83
14) 1,2-Dichlorobenzene	6.57	146	2783772	57.06	ug/mL	98
15) 2-Methylphenol (o-Cresol)	6.64	107	2222259	57.77	ug/mL	94
16) bis(2-Chloroisopropyl)ethe	6.67	45	4995901	56.33	ug/mL	83
17) (3+4)-Methylphenol (m,p-Cr	6.83	107	2722422	55.81	ug/mL	94
18) n-Nitroso-di-n-propylamine	6.85	70	1940669	56.80	ug/mL#	78
19) Hexachloroethane	7.01	117	1168443	58.83	ug/mL	91
22) Nitrobenzene	7.08	77	2489592	55.91	ug/mL	88
23) Isophorone	7.37	82	5302729	56.60	ug/mL	97
24) 2-Nitrophenol	7.48	139	1624375	61.92	ug/mL	88
25) 2,4-Dimethylphenol	7.51	122	2119988	57.66	ug/mL	99
26) bis(2-Chloroethoxy)methane	7.62	93	3310495	55.40	ug/mL	98
27) 2,4-Dichlorophenol	7.78	162	2106259	59.36	ug/mL	98
28) 1,2,4-Trichlorobenzene	7.89	180	2104229	57.03	ug/mL	96
29) Naphthalene	8.00	128	6576320	51.66	ug/mL#	100
30) 4-Chloroaniline	8.04	65	801735	55.19	ug/mL#	91
31) Hexachlorobutadiene	8.14	225	945842	55.05	ug/mL	99
32) 4-Chloro-3-methylphenol	8.64	107	1999795	57.31	ug/mL	99
33) 2-Methylnaphthalene	8.87	142	4005860	52.25	ug/mL	95
34) 1-Methylnaphthalene	9.00	142	3821398	53.29	ug/mL	94
36) Hexachlorocyclopentadiene	9.06	237	907823	59.77	ug/mL	99
37) 2,4,6-Trichlorophenol	9.22	196	1082868	55.82	ug/mL	98
38) 2,3-Dichloroaniline	9.22	161	2137518	52.01	ug/mL	93
39) 2,4,5-Trichlorophenol	9.27	196	1382504	61.01	ug/mL	97
41) 2-Chloronaphthalene	9.49	162	3976186	53.86	ug/mL	99

(#) = qualifier out of range (m) = manual integration

JP
4/18/23

Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410015.D Vial: 15
Acq On : 10 Apr 2023 5:04 pm Operator: JP
Sample : 60 PPM ICAL Inst : Ralph
Misc : SV6-103-03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:27 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230228

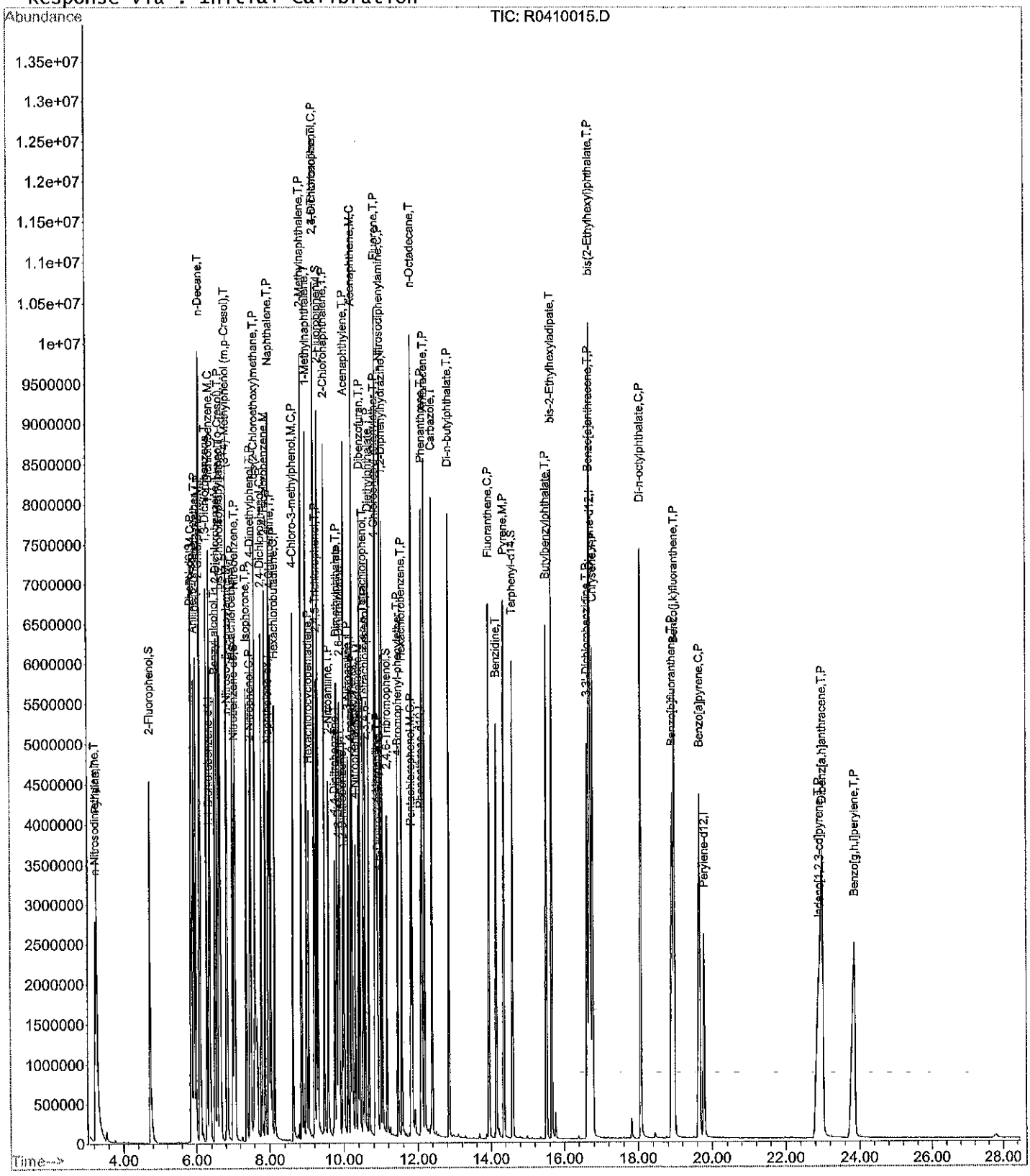
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	2-Nitroaniline	9.59	65	1342788	59.19	ug/mL#	78
43)	1,4-Dinitrobenzene	9.77	168	993651	66.50	ug/mL	82
44)	Dimethylphthalate	9.82	163	4605334	56.33	ug/mL	99
45)	1,3-Dinitrobenzene	9.87	168	1114294	63.83	ug/mL#	87
46)	2,6-Dinitrotoluene	9.90	165	1254495	58.78	ug/mL	81
47)	1,2-Dinitrobenzene	9.98	168	701467	61.28	ug/mL#	59
48)	Acenaphthylene	10.02	152	5772579	52.52	ug/mL	98
49)	3-Nitroaniline	10.13	138	1498748	60.61	ug/mL	96
50)	2,4-Dinitrophenol	10.25	184	669042	62.36	ug/mL#	74
51)	Acenaphthene	10.24	154	3475291	50.87	ug/mL	94
52)	4-Nitrophenol	10.32	65	795842	58.44	ug/mL#	1
53)	2,4-Dinitrotoluene	10.41	165	1682485	60.44	ug/mL#	70
54)	Dibenzofuran	10.45	168	5076703	51.78	ug/mL	100
55)	2,3,5,6-Tetrachlorophenol	10.54	232	1009032	58.45	ug/mL	98
56)	2,3,4,6-Tetrachlorophenol	10.60	232	1050331	65.48	ug/mL	98
57)	Diethylphthalate	10.69	149	4084606	52.50	ug/mL	99
58)	4-Chlorophenyl-phenylether	10.85	204	1727813	53.77	ug/mL	98
59)	4-Nitroaniline	10.90	138	1464010	59.49	ug/mL#	82
60)	Fluorene	10.88	166	3864044	50.27	ug/mL	95
62)	4,6-Dinitro-2-methylphenol	10.94	198	964868	60.72	ug/mL#	79
63)	n-Nitrosodiphenylamine	11.01	169	3522207	52.50	ug/mL	91
64)	1,2-Diphenylhydrazine	11.06	182	1232914	55.55	ug/mL#	85
66)	4-Bromophenyl-phenylether	11.48	248	1034676	56.84	ug/mL	96
67)	Hexachlorobenzene	11.58	284	1223818	56.26	ug/mL	96
68)	Pentachlorophenol	11.83	266	844911	60.50	ug/mL	99
69)	n-Octadecane	11.86	43	1825642	44.86	ug/mL#	68
70)	Phenanthrene	12.13	178	5431183	49.71	ug/mL	98
71)	Anthracene	12.20	178	5741219	52.26	ug/mL	98
72)	Carbazole	12.41	167	5573377	53.40	ug/mL	99
73)	Di-n-butylphthalate	12.86	149	7077001	51.75	ug/mL	100
74)	Fluoranthene	13.96	202	5314383	53.13	ug/mL	95
76)	Benzidine	14.16	184	3988338	68.93	ug/mL	95
77)	Pyrene	14.37	202	5465121	58.83	ug/mL	98
79)	Butylbenzylphthalate	15.53	149	3350837	63.34	ug/mL	96
80)	bis-2-Ethylhexyladipate	15.67	129	2912341	61.36	ug/mL	95
81)	3,3'-Dichlorobenzidine	16.63	252	2240051	68.57	ug/mL	98
82)	Benzo[a]anthracene	16.70	228	4855720	59.22	ug/mL	98
83)	Chrysene	16.79	228	4649203	60.40	ug/mL	98
84)	bis(2-Ethylhexyl)phthalate	16.72	149	3943674	57.10	ug/mL	99
85)	Di-n-octylphthalate	18.09	149	7993894	62.45	ug/mL	86
87)	Benzo[b]fluoranthene	18.93	252	5677230	60.17	ug/mL	94
88)	Benzo(j,k)fluoranthene	19.00	252	4703079	51.39	ug/mL	95
89)	Benzo[a]pyrene	19.67	252	4687704	57.79	ug/mL	94
90)	Indeno[1,2,3-cd]pyrene	22.92	276	5386875m	65.29	ug/mL	
91)	Dibenz[a,h]anthracene	23.00	278	4822990	61.08	ug/mL	92
92)	Benzo[g,h,i]perylene	23.88	276	4815729	60.80	ug/mL	87

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410015.D Vial: 15
Acq On : 10 Apr 2023 5:04 pm Operator: JP
Sample : 60 PPM ICAL Inst : Ralph
Misc : SV6-103-03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:27 2023 Quant Results File: SV230410.RES

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410006.D
Acq On : 10 Apr 2023 12:13 pm
Operator : JP
Sample : 0.5 PPM ICAL
Misc : SV6-104-20
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 11:39:10 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:35:36 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.195	152	411065	25.00	ug/mL	0.00
20) Naphthalene-d8	7.817	136	1632176	25.00	ug/mL	0.00
36) Acenaphthene-d10	10.044	164	994788	25.00	ug/mL	0.00
62) Phenanthrene-d10	11.948	188	1636782	25.00	ug/mL	0.00
76) Chrysene-d12	16.548	240	1513591	25.00	ug/mL	-0.01
87) Perylene-d12	19.615	264	1512750	25.00	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.597	112	10585	0.45	ug/mL	0.00
Spiked Amount 40.000	Range 21 - 110		Recovery = 1.13%#			
5) Phenol-d6	5.731	99	14674	0.50	ug/mL	0.02
Spiked Amount 40.000	Range 10 - 110		Recovery = 1.25%#			
21) Nitrobenzene-d5	6.889	82	14102	0.51	ug/mL	0.00
Spiked Amount 40.000	Range 35 - 114		Recovery = 1.28%#			
41) 2-Fluorobiphenyl	9.168	172	25799	0.50	ug/mL	0.00
Spiked Amount 40.000	Range 43 - 116		Recovery = 1.25%#			
66) 2,4,6-Tribromophenol	11.037	330	2206	0.35	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 123		Recovery = 0.87%#			
79) Terphenyl-d14	14.451	244	29761	0.49	ug/mL	0.00
Spiked Amount 40.000	Range 33 - 141		Recovery = 1.23%#			
Target Compounds						Qvalue
3) Pyridine	3.170	79	11622m	0.51	ug/mL	
6) Phenol	5.749	94	17556	0.53	ug/mL	98
8) bis(2-Chloroethyl)ether	5.831	93	14108	0.54	ug/mL	98
9) 2-Chlorophenol	5.955	128	12300	0.51	ug/mL	99
10) n-Decane	5.949	43	20295	0.57	ug/mL	93
11) 1,3-Dichlorobenzene	6.131	146	13345	0.51	ug/mL	98
12) 1,4-Dichlorobenzene	6.219	146	13354	0.50	ug/mL	96
14) 1,2-Dichlorobenzene	6.413	146	12734	0.51	ug/mL	99
15) 2-Methylphenol (o-Cresol)	6.501	107	11366	0.53	ug/mL#	82
16) bis(2-Chloroisopropyl)...	6.513	45	26686	0.56	ug/mL#	72
17) (3+4)-Methylphenol (m,...	6.689	107	13146	0.50	ug/mL	96
22) Nitrobenzene	6.912	77	14134	0.51	ug/mL	94
23) Isophorone	7.206	82	26304	0.51	ug/mL	91
26) bis(2-Chloroethoxy)met...	7.465	93	16626	0.55	ug/mL	94
29) 1,2,4-Trichlorobenzene	7.735	180	10498	0.50	ug/mL	98
30) Naphthalene	7.846	128	37412	0.54	ug/mL	99
32) Hexachlorobutadiene	7.982	225	6052	0.52	ug/mL	91
34) 2-Methylnaphthalene	8.716	142	23478	0.50	ug/mL	97
35) 1-Methylnaphthalene	8.845	142	22272	0.51	ug/mL	100
37) Hexachlorocyclopentadiene	8.904	237	1300	1.12	ug/mL	88
42) 2-Chloronaphthalene	9.339	162	23239	0.52	ug/mL	98
49) Acenaphthylene	9.868	152	33974	0.52	ug/mL	99
52) Acenaphthene	10.085	154	21508	0.50	ug/mL	95
55) Dibenzofuran	10.297	168	33074	0.52	ug/mL	94
56) 2,3,5,6-Tetrachlorophenol	10.402	232	2998m	0.62	ug/mL	
59) 4-Chlorophenyl-phenyle...	10.714	204	12579	0.51	ug/mL	93
61) Fluorene	10.731	166	27412	0.52	ug/mL	98
63) 4,6-Dinitro-2-methylph...	10.767	198	59	2.56	ug/mL#	29
65) 1,2-Diphenylhydrazine	10.914	182	7341	0.51	ug/mL#	40

JP 4/18/23

Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410006.D
Acq On : 10 Apr 2023 12:13 pm
Operator : JP
Sample : 0.5 PPM ICAL
Misc : SV6-104-20
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 11:39:10 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:35:36 2023
Response via : Initial Calibration

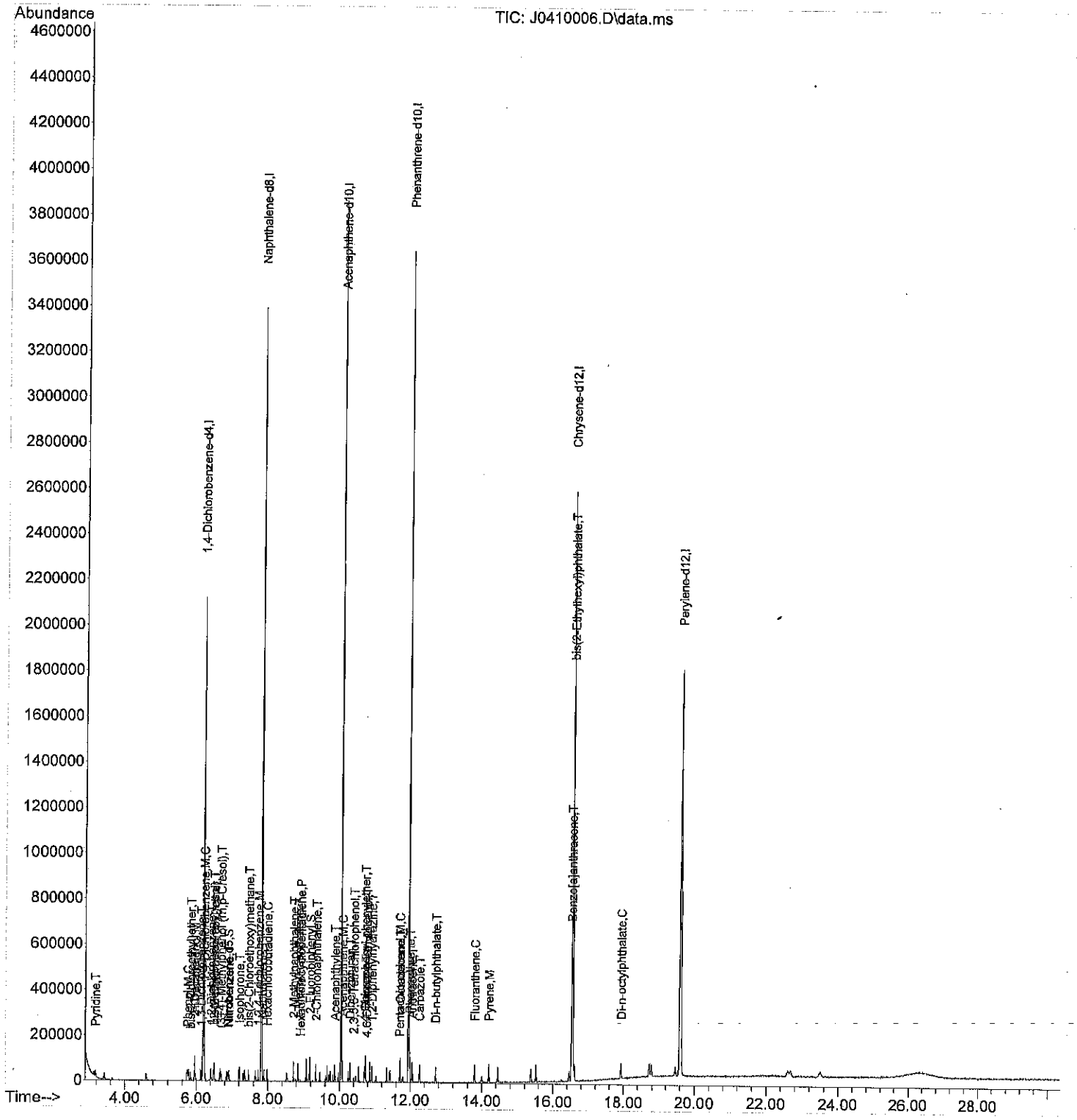
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	11.695	266	397	0.75	ug/mL#	64
70) n-Octadecane	11.713	43	17840	0.54	ug/mL	90
71) Phenanthrene	11.977	178	42718	0.59	ug/mL	99
72) Anthracene	12.048	178	38462	0.53	ug/mL	98
73) Carbazole	12.259	167	35276	0.50	ug/mL	98
74) Di-n-butylphthalate	12.711	149	43609	0.51	ug/mL	98
75) Fluoranthene	13.804	202	43599	0.54	ug/mL	87
78) Pyrene	14.204	202	44685	0.54	ug/mL	97
83) Benzo[a]anthracene	16.525	228	42829	0.55	ug/mL	97
85) bis(2-Ethylhexyl)phtha...	16.560	149	29150	0.50	ug/mL	91
86) Di-n-octylphthalate	17.929	149	51678	0.51	ug/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410006.D
Acq On : 10 Apr 2023 12:13 pm
Operator : JP
Sample : 0.5 PPM ICAL
Misc : SV6-104-20
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 11:39:10 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:35:36 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410007.D
Acq On : 10 Apr 2023 12:51 pm
Operator : JP
Sample : 1 PPM ICAL
Misc : SV6-104-19
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 18 11:43:08 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:41:05 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.195	152	410035	25.00	ug/mL	0.00
20) Naphthalene-d8	7.817	136	1623856	25.00	ug/mL	0.00
36) Acenaphthene-d10	10.044	164	985849	25.00	ug/mL	0.00
62) Phenanthrene-d10	11.947	188	1630454	25.00	ug/mL	0.00
76) Chrysene-d12	16.548	240	1492315	25.00	ug/mL	-0.01
87) Perylene-d12	19.615	264	1512562	25.00	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.597	112	23795	1.02	ug/mL	0.00
Spiked Amount 40.000	Range 21 - 110		Recovery = 2.55%#			
5) Phenol-d6	5.731	99	29213	0.99	ug/mL	0.02
Spiked Amount 40.000	Range 10 - 110		Recovery = 2.48%#			
21) Nitrobenzene-d5	6.888	82	27844	1.01	ug/mL	0.00
Spiked Amount 40.000	Range 35 - 114		Recovery = 2.53%#			
41) 2-Fluorobiphenyl	9.168	172	52833	1.04	ug/mL	0.00
Spiked Amount 40.000	Range 43 - 116		Recovery = 2.60%#			
66) 2,4,6-Tribromophenol	11.037	330	5507	0.87	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 123		Recovery = 2.17%#			
79) Terphenyl-d14	14.450	244	59730	1.00	ug/mL	0.00
Spiked Amount 40.000	Range 33 - 141		Recovery = 2.50%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.128	42	14830	1.02	ug/mL#	50
3) Pyridine	3.169	79	23674m	1.04	ug/mL	
6) Phenol	5.743	94	33606	1.02	ug/mL	94
7) Aniline	5.778	93	35538	0.99	ug/mL	89
8) bis(2-Chloroethyl)ether	5.831	93	26565	1.03	ug/mL	97
9) 2-Chlorophenol	5.948	128	24937	1.03	ug/mL	97
10) n-Decane	5.948	43	40137	1.13	ug/mL	94
11) 1,3-Dichlorobenzene	6.130	146	25736	0.98	ug/mL	99
12) 1,4-Dichlorobenzene	6.219	146	27244	1.02	ug/mL	84
13) Benzyl alcohol	6.348	108	11683m	0.88	ug/mL	
14) 1,2-Dichlorobenzene	6.412	146	25517	1.02	ug/mL	97
15) 2-Methylphenol (o-Cresol)	6.495	107	20645	0.97	ug/mL#	65
16) bis(2-Chloroisopropyl)...	6.512	45	51348	1.08	ug/mL#	73
17) (3+4)-Methylphenol (m,...	6.689	107	26232	1.00	ug/mL	95
18) n-Nitroso-di-n-propyla...	6.671	70	18985	1.02	ug/mL	83
19) Hexachloroethane	6.847	117	11041	1.01	ug/mL	89
22) Nitrobenzene	6.912	77	28314	1.03	ug/mL	96
23) Isophorone	7.206	82	54565	1.07	ug/mL	88
24) 2-Nitrophenol	7.317	139	11803	0.92	ug/mL	86
25) 2,4-Dimethylphenol	7.358	122	19486	1.01	ug/mL	88
26) bis(2-Chloroethoxy)met...	7.458	93	32467	1.08	ug/mL	97
27) Benzoic Acid	7.405	105	4788m	0.87	ug/mL	
28) 2,4-Dichlorophenol	7.652	162	19819	0.99	ug/mL	95
29) 1,2,4-Trichlorobenzene	7.734	180	20889	1.01	ug/mL	98
30) Naphthalene	7.846	128	74454	1.08	ug/mL	98
31) 4-Chloroaniline	7.887	65	10042	1.00	ug/mL	97
32) Hexachlorobutadiene	7.981	225	11496	1.00	ug/mL	98
33) 4-Chloro-3-methylphenol	8.522	107	22552	0.99	ug/mL	98
34) 2-Methylnaphthalene	8.716	142	47368	1.02	ug/mL	100

JP 4/18/23

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410007.D
Acq On : 10 Apr 2023 12:51 pm
Operator : JP
Sample : 1 PPM ICAL
Misc : SV6-104-19
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 18 11:43:08 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:41:05 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
35)	1-Methylnaphthalene	8.845	142	44467	1.02	ug/mL	98
37)	Hexachlorocyclopentadiene	8.910	237	4164	1.40	ug/mL	90
38)	2,4,6-Trichlorophenol	9.074	196	14134	1.02	ug/mL	96
39)	2,3-Dichloroaniline	9.068	161	24690	1.02	ug/mL	99
40)	2,4,5-Trichlorophenol	9.162	196	13702	0.92	ug/mL	92
42)	2-Chloronaphthalene	9.338	162	45243	1.02	ug/mL	100
43)	2-Nitroaniline	9.450	65	16464	0.98	ug/mL	95
44)	1,4-Dinitrobenzene	9.615	168	6397	0.84	ug/mL	88
45)	Dimethylphthalate	9.656	163	54581	1.05	ug/mL#	82
46)	1,3-Dinitrobenzene	9.709	168	7965	0.89	ug/mL#	70
47)	2,6-Dinitrotoluene	9.744	165	11547	0.95	ug/mL	82
48)	1,2-Dinitrobenzene	9.814	168	5485	0.92	ug/mL	93
49)	Acenaphthylene	9.867	152	69487	1.07	ug/mL	99
50)	3-Nitroaniline	9.450	138	15627	0.97	ug/mL#	53
52)	Acenaphthene	10.085	154	43328	1.02	ug/mL	96
53)	4-Nitrophenol	10.249	65	7961	0.76	ug/mL#	79
54)	2,4-Dinitrotoluene	10.249	165	14313	0.91	ug/mL	89
55)	Dibenzofuran	10.296	168	66731	1.07	ug/mL	89
56)	2,3,5,6-Tetrachlorophenol	10.396	232	7308	0.99	ug/mL	93
57)	2,3,4,6-Tetrachlorophenol	10.455	232	9517	0.88	ug/mL	85
58)	Diethylphthalate	10.537	149	52924	1.04	ug/mL	97
59)	4-Chlorophenyl-phenyle...	10.713	204	23917	0.98	ug/mL	85
60)	4-Nitroaniline	10.737	138	13223	0.95	ug/mL#	86
61)	Fluorene	10.731	166	55519	1.06	ug/mL	99
63)	4,6-Dinitro-2-methylph...	10.766	198	821	3.84	ug/mL#	41
64)	n-Nitrosodiphenylamine	10.854	169	45533	1.02	ug/mL	97
65)	1,2-Diphenylhydrazine	10.913	182	14966	1.03	ug/mL#	43
67)	4-Bromophenyl-phenylether	11.330	248	13891	1.01	ug/mL#	88
68)	Hexachlorobenzene	11.424	284	13982	0.98	ug/mL	89
69)	Pentachlorophenol	11.689	266	1206	0.88	ug/mL	97
70)	n-Octadecane	11.712	43	36419	1.11	ug/mL	92
71)	Phenanthrene	11.977	178	75939	1.05	ug/mL	97
72)	Anthracene	12.047	178	76083	1.06	ug/mL	100
73)	Carbazole	12.259	167	74824	1.07	ug/mL	99
74)	Di-n-butylphthalate	12.711	149	90200	1.05	ug/mL	98
75)	Fluoranthene	13.804	202	82748	1.04	ug/mL	88
77)	Benzidine	14.004	184	30965	0.79	ug/mL	93
78)	Pyrene	14.203	202	85069	1.04	ug/mL	99
80)	Butylbenzylphthalate	15.373	149	40388	1.00	ug/mL	92
81)	bis-2-Ethylhexyladipate	15.514	129	39079	1.02	ug/mL	92
82)	3,3'-Dichlorobenzidine	16.460	252	25263	0.92	ug/mL	96
83)	Benzo[a]anthracene	16.524	228	78384	1.02	ug/mL	99
84)	Chrysene	16.595	228	69891	1.03	ug/mL	99
85)	bis(2-Ethylhexyl)phtha...	16.560	149	59553	1.04	ug/mL	95
86)	Di-n-octylphthalate	17.923	149	102243	1.03	ug/mL	98
88)	Benzo[b]fluoranthene	18.728	252	75530	1.01	ug/mL	90
89)	Benzo(j,k)fluoranthene	18.786	252	69989	0.99	ug/mL	91
90)	Benzo[a]pyrene	19.456	252	60695	0.96	ug/mL	92
91)	Indeno[1,2,3-cd]pyrene	22.588	276	59298	0.88	ug/mL#	78
92)	Dibenz[a,h]anthracene	22.670	278	55918	0.86	ug/mL	89
93)	Benzo[g,h,i]perylene	23.505	276	59736	0.93	ug/mL	86

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410007.D
Acq On : 10 Apr 2023 12:51 pm
Operator : JP
Sample : 1 PPM ICAL
Misc : SV6-104-19
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 18 11:43:08 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:41:05 2023
Response via : Initial Calibration

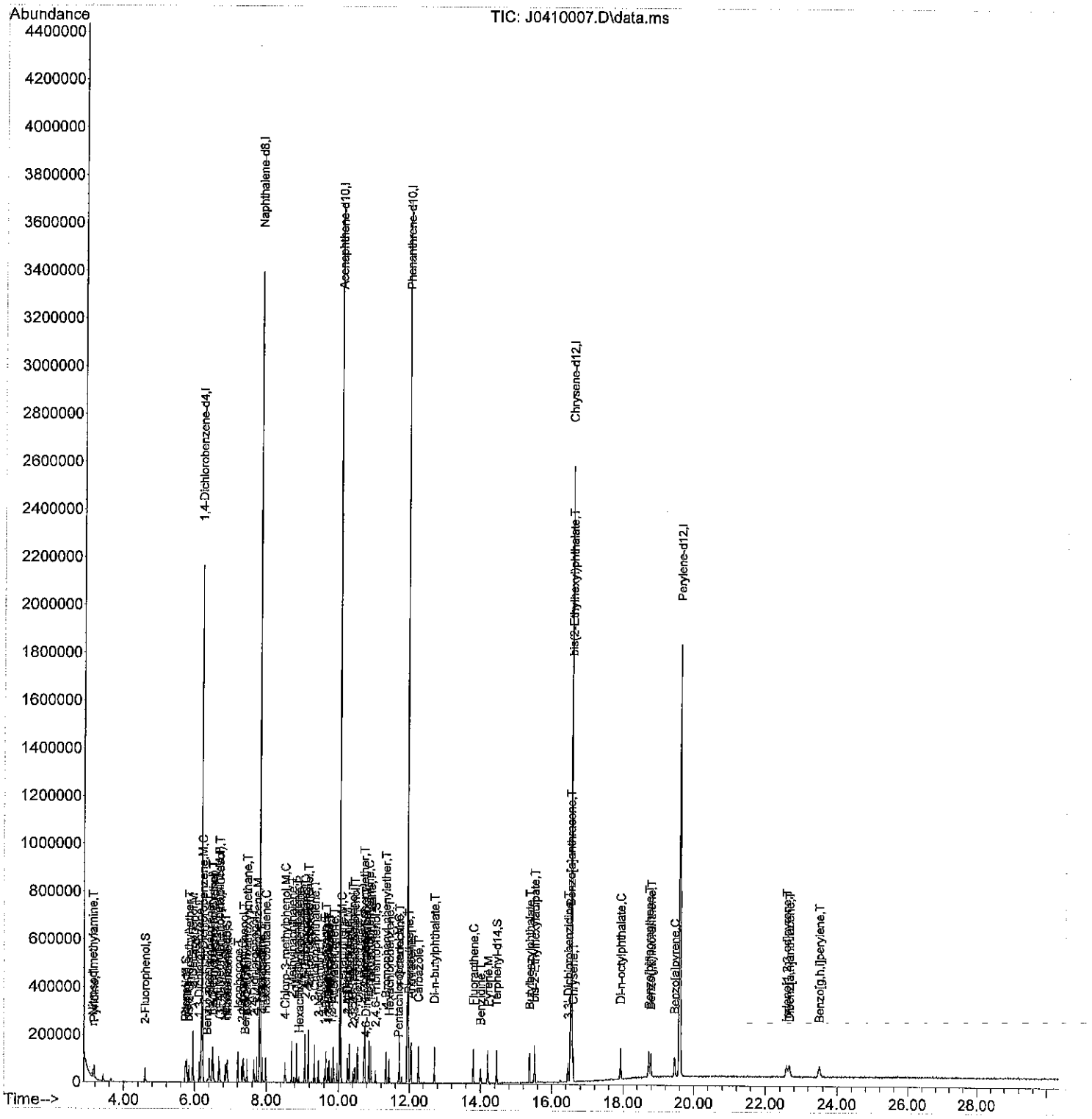
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410007.D
Acq On : 10 Apr 2023 12:51 pm
Operator : JP
Sample : 1 PPM ICAL
Misc : SV6-104-19
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 18 11:43:08 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:41:05 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410008.D
Acq On : 10 Apr 2023 1:30 pm
Operator : JP
Sample : 2 PPM ICAL
Misc : SV6-104-18
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 18 11:50:21 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.201	152	396006	25.00	ug/mL	0.00
20) Naphthalene-d8	7.817	136	1596567	25.00	ug/mL	0.00
36) Acenaphthene-d10	10.044	164	975460	25.00	ug/mL	0.00
62) Phenanthrene-d10	11.947	188	1600636	25.00	ug/mL	0.00
76) Chrysene-d12	16.554	240	1500645	25.00	ug/mL	0.00
87) Perylene-d12	19.615	264	1496316	25.00	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.597	112	45247	2.00	ug/mL	0.00
Spiked Amount 40.000	Range 21 - 110		Recovery =	5.00%#		
5) Phenol-d6	5.725	99	57594	2.03	ug/mL	0.01
Spiked Amount 40.000	Range 10 - 110		Recovery =	5.07%#		
21) Nitrobenzene-d5	6.888	82	54289	2.01	ug/mL	0.00
Spiked Amount 40.000	Range 35 - 114		Recovery =	5.02%#		
41) 2-Fluorobiphenyl	9.168	172	104823	2.09	ug/mL	0.00
Spiked Amount 40.000	Range 43 - 116		Recovery =	5.22%#		
66) 2,4,6-Tribromophenol	11.037	330	11735	1.90	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 123		Recovery =	4.75%#		
79) Terphenyl-d14	14.450	244	120139	2.00	ug/mL	0.00
Spiked Amount 40.000	Range 33 - 141		Recovery =	5.00%#		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.122	42	28196	2.02	ug/mL#	50
3) Pyridine	3.163	79	45370	2.07	ug/mL#	63
6) Phenol	5.743	94	67587	2.13	ug/mL	94
7) Aniline	5.778	93	72274	2.08	ug/mL	89
8) bis(2-Chloroethyl)ether	5.831	93	50610	2.03	ug/mL	96
9) 2-Chlorophenol	5.948	128	48142	2.06	ug/mL	99
10) n-Decane	5.948	43	77164	2.25	ug/mL	92
11) 1,3-Dichlorobenzene	6.130	146	52864	2.09	ug/mL	99
12) 1,4-Dichlorobenzene	6.219	146	52133	2.03	ug/mL	89
13) Benzyl alcohol	6.348	108	23846m	1.86	ug/mL	
14) 1,2-Dichlorobenzene	6.412	146	50878	2.11	ug/mL	99
15) 2-Methylphenol (o-Cresol)	6.495	107	41052	2.00	ug/mL#	76
16) bis(2-Chloroisopropyl)...	6.506	45	100924	2.20	ug/mL#	71
17) (3+4)-Methylphenol (m,...	6.689	107	53355	2.11	ug/mL	98
18) n-Nitroso-di-n-propyla...	6.671	70	37413	2.09	ug/mL	84
19) Hexachloroethane	6.847	117	21759	2.06	ug/mL	82
22) Nitrobenzene	6.912	77	55453	2.05	ug/mL	98
23) Isophorone	7.206	82	104358	2.08	ug/mL	90
24) 2-Nitrophenol	7.317	139	24330	1.93	ug/mL	89
25) 2,4-Dimethylphenol	7.358	122	36437	1.92	ug/mL	87
26) bis(2-Chloroethoxy)met...	7.458	93	60673	2.04	ug/mL	96
27) Benzoic Acid	7.405	105	14516m	1.81	ug/mL	
28) 2,4-Dichlorophenol	7.652	162	39788	2.03	ug/mL	95
29) 1,2,4-Trichlorobenzene	7.734	180	40395	1.98	ug/mL	99
30) Naphthalene	7.846	128	147093	2.17	ug/mL	99
31) 4-Chloroaniline	7.887	65	19916	2.02	ug/mL	96
32) Hexachlorobutadiene	7.981	225	21961	1.95	ug/mL	100
33) 4-Chloro-3-methylphenol	8.522	107	44186	1.96	ug/mL	98
34) 2-Methylnaphthalene	8.716	142	93566	2.06	ug/mL	100

JP 4/18/23

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410008.D
Acq On : 10 Apr 2023 1:30 pm
Operator : JP
Sample : 2 PPM ICAL
Misc : SV6-104-18
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 18 11:50:21 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
35)	1-Methylnaphthalene	8.845	142	88454	2.07	ug/mL	100
37)	Hexachlorocyclopentadiene	8.904	237	8537	1.85	ug/mL	99
38)	2,4,6-Trichlorophenol	9.074	196	27719	2.03	ug/mL	99
39)	2,3-Dichloroaniline	9.068	161	49202	2.06	ug/mL	100
40)	2,4,5-Trichlorophenol	9.156	196	29171	1.98	ug/mL	100
42)	2-Chloronaphthalene	9.339	162	90972	2.07	ug/mL	98
43)	2-Nitroaniline	9.450	65	32420	1.95	ug/mL	94
44)	1,4-Dinitrobenzene	9.615	168	13962	1.84	ug/mL#	83
45)	Dimethylphthalate	9.656	163	106115	2.07	ug/mL#	82
46)	1,3-Dinitrobenzene	9.709	168	17352	1.97	ug/mL#	63
47)	2,6-Dinitrotoluene	9.744	165	23895	1.99	ug/mL#	80
48)	1,2-Dinitrobenzene	9.814	168	11532	1.96	ug/mL	97
49)	Acenaphthylene	9.867	152	134040	2.09	ug/mL	100
50)	3-Nitroaniline	9.450	138	31253	1.95	ug/mL#	49
51)	2,4-Dinitrophenol	10.102	184	121	2.68	ug/mL#	1
52)	Acenaphthene	10.085	154	83764	2.00	ug/mL	94
53)	4-Nitrophenol	10.243	65	15000	1.45	ug/mL#	77
54)	2,4-Dinitrotoluene	10.249	165	29715	1.92	ug/mL	87
55)	Dibenzofuran	10.296	168	129718	2.10	ug/mL	88
56)	2,3,5,6-Tetrachlorophenol	10.402	232	16755	1.82	ug/mL	92
57)	2,3,4,6-Tetrachlorophenol	10.455	232	20119	1.87	ug/mL	92
58)	Diethylphthalate	10.537	149	104762	2.09	ug/mL	97
59)	4-Chlorophenyl-phenyle...	10.713	204	48759	2.02	ug/mL	92
60)	4-Nitroaniline	10.737	138	26883	1.95	ug/mL#	87
61)	Fluorene	10.731	166	107808	2.08	ug/mL	98
63)	4,6-Dinitro-2-methylph...	10.766	198	2281	2.80	ug/mL#	77
64)	n-Nitrosodiphenylamine	10.854	169	90323	2.05	ug/mL	98
65)	1,2-Diphenylhydrazine	10.913	182	28487	2.01	ug/mL#	46
67)	4-Bromophenyl-phenylether	11.330	248	25815	1.91	ug/mL#	85
68)	Hexachlorobenzene	11.424	284	27894	1.99	ug/mL	90
69)	Pentachlorophenol	11.689	266	5261m	1.52	ug/mL	
70)	n-Octadecane	11.712	43	72791	2.25	ug/mL	90
71)	Phenanthrene	11.977	178	147898	2.08	ug/mL	99
72)	Anthracene	12.047	178	146226	2.07	ug/mL	98
73)	Carbazole	12.259	167	141429	2.07	ug/mL	98
74)	Di-n-butylphthalate	12.711	149	177393	2.11	ug/mL	99
75)	Fluoranthene	13.804	202	160309	2.04	ug/mL	87
77)	Benzidine	14.004	184	64475	1.63	ug/mL	90
78)	Pyrene	14.203	202	169023	2.05	ug/mL	98
80)	Butylbenzylphthalate	15.379	149	80635	1.98	ug/mL	93
81)	bis-2-Ethylhexyladipate	15.520	129	76564	1.98	ug/mL	95
82)	3,3'-Dichlorobenzidine	16.460	252	51095	1.85	ug/mL	96
83)	Benzo[a]anthracene	16.530	228	153388	1.98	ug/mL	99
84)	Chrysene	16.601	228	137089	2.00	ug/mL	98
85)	bis(2-Ethylhexyl)phtha...	16.560	149	115077	1.99	ug/mL	93
86)	Di-n-octylphthalate	17.923	149	204658	2.05	ug/mL	97
88)	Benzo[b]fluoranthene	18.728	252	144545	1.95	ug/mL	89
89)	Benzo(j,k)fluoranthene	18.786	252	137857	1.97	ug/mL	91
90)	Benzo[a]pyrene	19.462	252	122800	1.96	ug/mL	90
91)	Indeno[1,2,3-cd]pyrene	22.594	276	116608	1.75	ug/mL#	76
92)	Dibenz[a,h]anthracene	22.664	278	111547	1.74	ug/mL	91
93)	Benzo[g,h,i]perylene	23.505	276	117275	1.85	ug/mL	85

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410008.D
Acq On : 10 Apr 2023 1:30 pm
Operator : JP
Sample : 2 PPM ICAL
Misc : SV6-104-18
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 18 11:50:21 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

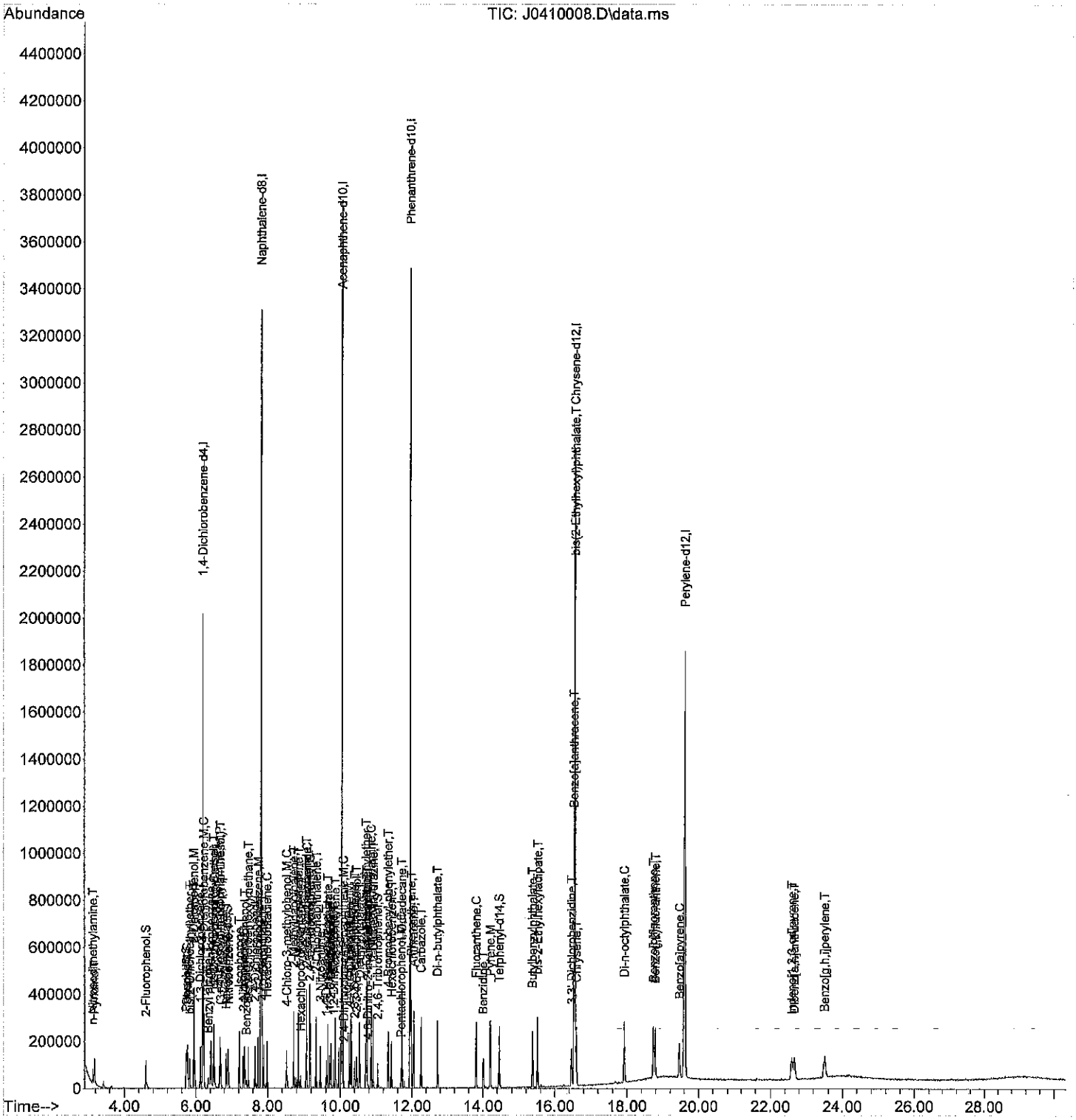
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410008.D
Acq On : 10 Apr 2023 1:30 pm
Operator : JP
Sample : 2 PPM ICAL
Misc : SV6-104-18
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 18 11:50:21 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410009.D
Acq On : 10 Apr 2023 2:08 pm
Operator : JP
Sample : 5 PPM ICAL
Misc : SV6-104-17
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 18 11:51:44 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.195	152	405298	25.00	ug/mL	0.00
20) Naphthalene-d8	7.817	136	1606533	25.00	ug/mL	0.00
36) Acenaphthene-d10	10.050	164	989263	25.00	ug/mL	0.00
62) Phenanthrene-d10	11.947	188	1629146	25.00	ug/mL	0.00
76) Chrysene-d12	16.554	240	1497812	25.00	ug/mL	0.00
87) Perylene-d12	19.615	264	1508987	25.00	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.597	112	120379	5.20	ug/mL	0.00
Spiked Amount 40.000	Range 21 - 110		Recovery = 13.00%#			
5) Phenol-d6	5.725	99	150836	5.19	ug/mL	0.01
Spiked Amount 40.000	Range 10 - 110		Recovery = 12.98%			
21) Nitrobenzene-d5	6.888	82	137718	5.07	ug/mL	0.00
Spiked Amount 40.000	Range 35 - 114		Recovery = 12.68%#			
41) 2-Fluorobiphenyl	9.168	172	268453	5.28	ug/mL	0.00
Spiked Amount 40.000	Range 43 - 116		Recovery = 13.20%#			
66) 2,4,6-Tribromophenol	11.037	330	30924	4.92	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 123		Recovery = 12.30%			
79) Terphenyl-d14	14.456	244	308069	5.14	ug/mL	0.00
Spiked Amount 40.000	Range 33 - 141		Recovery = 12.85%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.128	42	72830	5.09	ug/mL#	53
3) Pyridine	3.163	79	114940	5.12	ug/mL#	62
6) Phenol	5.743	94	173913	5.34	ug/mL	93
7) Aniline	5.778	93	183318	5.16	ug/mL	89
8) bis(2-Chloroethyl)ether	5.831	93	130907	5.12	ug/mL	96
9) 2-Chlorophenol	5.948	128	124569	5.21	ug/mL	98
10) n-Decane	5.948	43	188076	5.35	ug/mL	90
11) 1,3-Dichlorobenzene	6.130	146	133896	5.18	ug/mL	99
12) 1,4-Dichlorobenzene	6.219	146	137182	5.21	ug/mL	98
13) Benzyl alcohol	6.348	108	69636m	5.30	ug/mL	
14) 1,2-Dichlorobenzene	6.413	146	125602	5.08	ug/mL	97
15) 2-Methylphenol (o-Cresol)	6.495	107	107088	5.11	ug/mL#	82
16) bis(2-Chloroisopropyl)...	6.512	45	249336	5.30	ug/mL#	71
17) (3+4)-Methylphenol (m,...	6.689	107	133307	5.16	ug/mL	99
18) n-Nitroso-di-n-propyla...	6.671	70	95986	5.23	ug/mL	84
19) Hexachloroethane	6.847	117	55608	5.13	ug/mL	84
22) Nitrobenzene	6.912	77	141420	5.20	ug/mL	96
23) Isophorone	7.206	82	263048	5.21	ug/mL	88
24) 2-Nitrophenol	7.317	139	65119	5.12	ug/mL	89
25) 2,4-Dimethylphenol	7.358	122	97892	5.14	ug/mL	92
26) bis(2-Chloroethoxy)met...	7.464	93	151828	5.08	ug/mL	95
27) Benzoic Acid	7.423	105	48293	4.89	ug/mL#	100
28) 2,4-Dichlorophenol	7.652	162	101491	5.13	ug/mL	95
29) 1,2,4-Trichlorobenzene	7.735	180	105895	5.17	ug/mL	99
30) Naphthalene	7.846	128	369845	5.41	ug/mL	99
31) 4-Chloroaniline	7.887	65	51485	5.19	ug/mL	94
32) Hexachlorobutadiene	7.981	225	56192	4.95	ug/mL	98
33) 4-Chloro-3-methylphenol	8.522	107	115881	5.12	ug/mL	99
34) 2-Methylnaphthalene	8.716	142	241497	5.27	ug/mL	100

JP
4/18/23

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410009.D
Acq On : 10 Apr 2023 2:08 pm
Operator : JP
Sample : 5 PPM ICAL
Misc : SV6-104-17
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 18 11:51:44 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
35)	1-Methylnaphthalene	8.845	142	227586	5.29	ug/mL	98
37)	Hexachlorocyclopentadiene	8.910	237	32466	4.20	ug/mL	99
38)	2,4,6-Trichlorophenol	9.068	196	71727	5.17	ug/mL	100
39)	2,3-Dichloroaniline	9.068	161	125584	5.18	ug/mL	99
40)	2,4,5-Trichlorophenol	9.156	196	74844	5.00	ug/mL	98
42)	2-Chloronaphthalene	9.339	162	233593	5.24	ug/mL	99
43)	2-Nitroaniline	9.450	65	86672	5.13	ug/mL	96
44)	1,4-Dinitrobenzene	9.615	168	38433	5.01	ug/mL#	84
45)	Dimethylphthalate	9.662	163	272938	5.25	ug/mL#	82
46)	1,3-Dinitrobenzene	9.709	168	45669	5.10	ug/mL#	65
47)	2,6-Dinitrotoluene	9.744	165	63609	5.21	ug/mL#	81
48)	1,2-Dinitrobenzene	9.820	168	30855	5.18	ug/mL	97
49)	Acenaphthylene	9.867	152	344394	5.29	ug/mL	100
50)	3-Nitroaniline	9.450	138	84263	5.20	ug/mL#	51
51)	2,4-Dinitrophenol	10.097	184	2916	3.79	ug/mL#	1
52)	Acenaphthene	10.085	154	212386	4.99	ug/mL	94
53)	4-Nitrophenol	10.238	65	48776	4.66	ug/mL	81
54)	2,4-Dinitrotoluene	10.249	165	80578	5.12	ug/mL#	87
55)	Dibenzofuran	10.302	168	332181	5.30	ug/mL	90
56)	2,3,5,6-Tetrachlorophenol	10.396	232	49048	4.57	ug/mL	92
57)	2,3,4,6-Tetrachlorophenol	10.455	232	54017	4.96	ug/mL	87
58)	Diethylphthalate	10.537	149	269513	5.30	ug/mL	97
59)	4-Chlorophenyl-phenyle...	10.713	204	125548	5.13	ug/mL	89
60)	4-Nitroaniline	10.737	138	70998	5.08	ug/mL#	87
61)	Fluorene	10.731	166	272231	5.17	ug/mL	100
63)	4,6-Dinitro-2-methylph...	10.766	198	14710	4.15	ug/mL	82
64)	n-Nitrosodiphenylamine	10.854	169	233454	5.21	ug/mL	99
65)	1,2-Diphenylhydrazine	10.913	182	72624	5.03	ug/mL#	45
67)	4-Bromophenyl-phenylether	11.330	248	69502	5.04	ug/mL#	88
68)	Hexachlorobenzene	11.424	284	70871	4.97	ug/mL	92
69)	Pentachlorophenol	11.683	266	21628	3.98	ug/mL	95
70)	n-Octadecane	11.712	43	179344	5.45	ug/mL	91
71)	Phenanthrene	11.977	178	377012	5.21	ug/mL	99
72)	Anthracene	12.047	178	377772	5.26	ug/mL	98
73)	Carbazole	12.259	167	368935	5.30	ug/mL	98
74)	Di-n-butylphthalate	12.711	149	470638	5.49	ug/mL	98
75)	Fluoranthene	13.804	202	410011	5.14	ug/mL	87
77)	Benzidine	14.004	184	191769	4.86	ug/mL	89
78)	Pyrene	14.204	202	420346	5.11	ug/mL	98
80)	Butylbenzylphthalate	15.379	149	209654	5.15	ug/mL	91
81)	bis-2-Ethylhexyladipate	15.520	129	199342	5.18	ug/mL	95
82)	3,3'-Dichlorobenzidine	16.460	252	136068	4.95	ug/mL	96
83)	Benzo[a]anthracene	16.524	228	384885	4.98	ug/mL	99
84)	Chrysene	16.601	228	343726	5.03	ug/mL	98
85)	bis(2-Ethylhexyl)phtha...	16.560	149	296953	5.15	ug/mL	94
86)	Di-n-octylphthalate	17.929	149	523746	5.26	ug/mL	96
88)	Benzo[b]fluoranthene	18.728	252	367839	4.92	ug/mL	90
89)	Benzo(j,k)fluoranthene	18.792	252	370076	5.25	ug/mL	90
90)	Benzo[a]pyrene	19.462	252	317735	5.02	ug/mL	90
91)	Indeno[1,2,3-cd]pyrene	22.594	276	326630	4.86	ug/mL	73
92)	Dibenz[a,h]anthracene	22.676	278	317558	4.92	ug/mL	89
93)	Benzo[g,h,i]perylene	23.516	276	315337	4.94	ug/mL	85

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410009.D
Acq On : 10 Apr 2023 2:08 pm
Operator : JP
Sample : 5 PPM ICAL
Misc : SV6-104-17
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 18 11:51:44 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

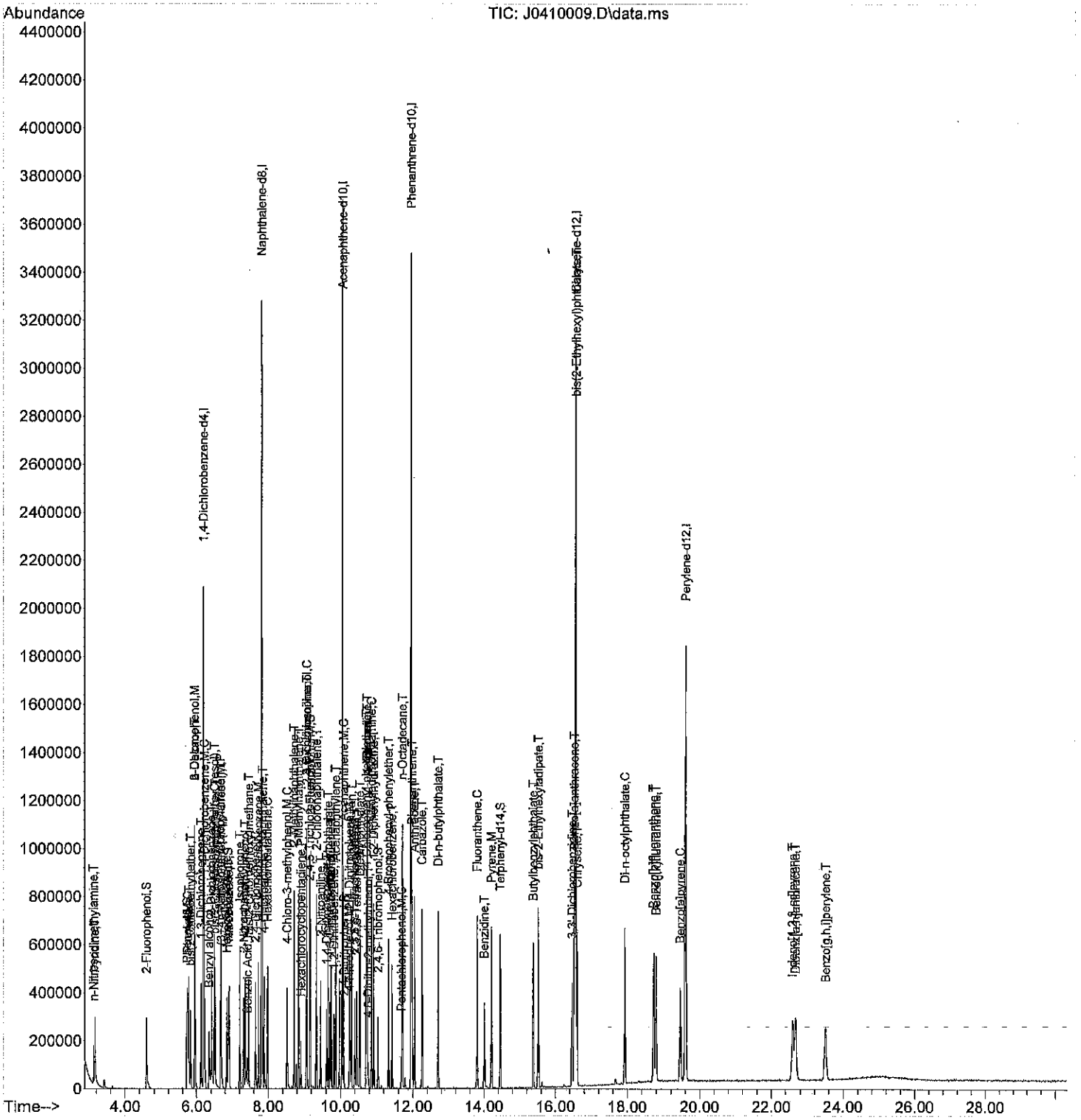
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410009.D
Acq On : 10 Apr 2023 2:08 pm
Operator : JP
Sample : 5 PPM ICAL
Misc : SV6-104-17
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 18 11:51:44 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410010.D
Acq On : 10 Apr 2023 2:47 pm
Operator : JP
Sample : 10 PPM ICAL
Misc : SV6-104-16
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 18 11:54:08 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.201	152	397832	25.00	ug/mL	0.00
20) Naphthalene-d8	7.817	136	1580676	25.00	ug/mL	0.00
36) Acenaphthene-d10	10.049	164	971065	25.00	ug/mL	0.00
62) Phenanthrene-d10	11.947	188	1590192	25.00	ug/mL	0.00
76) Chrysene-d12	16.554	240	1430265	25.00	ug/mL	0.00
87) Perylene-d12	19.615	264	1482391	25.00	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.597	112	226001	9.94	ug/mL	0.00
Spiked Amount 40.000	Range 21 - 110		Recovery = 24.85%			
5) Phenol-d6	5.719	99	288252	10.10	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 110		Recovery = 25.25%			
21) Nitrobenzene-d5	6.894	82	266254	9.96	ug/mL	0.00
Spiked Amount 40.000	Range 35 - 114		Recovery = 24.90%#			
41) 2-Fluorobiphenyl	9.168	172	507704	10.17	ug/mL	0.00
Spiked Amount 40.000	Range 43 - 116		Recovery = 25.42%#			
66) 2,4,6-Tribromophenol	11.036	330	61968	10.09	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 123		Recovery = 25.22%			
79) Terphenyl-d14	14.456	244	590022	10.30	ug/mL	0.00
Spiked Amount 40.000	Range 33 - 141		Recovery = 25.75%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.122	42	136902	9.75	ug/mL#	52
3) Pyridine	3.163	79	213845	9.70	ug/mL#	60
6) Phenol	5.737	94	318692	9.98	ug/mL	91
7) Aniline	5.778	93	339589	9.73	ug/mL	89
8) bis(2-Chloroethyl)ether	5.837	93	243692	9.72	ug/mL	97
9) 2-Chlorophenol	5.948	128	224635	9.58	ug/mL	98
10) n-Decane	5.948	43	344717	9.99	ug/mL	90
11) 1,3-Dichlorobenzene	6.130	146	245047	9.65	ug/mL	98
12) 1,4-Dichlorobenzene	6.218	146	247098	9.56	ug/mL	98
13) Benzyl alcohol	6.348	108	136108	10.55	ug/mL	86
14) 1,2-Dichlorobenzene	6.412	146	234936	9.68	ug/mL	99
15) 2-Methylphenol (o-Cresol)	6.495	107	195930	9.52	ug/mL#	77
16) bis(2-Chloroisopropyl)...	6.512	45	455036	9.85	ug/mL#	70
17) (3+4)-Methylphenol (m,...	6.683	107	250223	9.87	ug/mL	98
18) n-Nitroso-di-n-propyla...	6.677	70	179291	9.95	ug/mL	85
19) Hexachloroethane	6.847	117	102599	9.65	ug/mL	84
22) Nitrobenzene	6.918	77	259141	9.69	ug/mL	95
23) Isophorone	7.211	82	491467	9.90	ug/mL	87
24) 2-Nitrophenol	7.317	139	125630	10.04	ug/mL	86
25) 2,4-Dimethylphenol	7.358	122	183774	9.80	ug/mL	90
26) bis(2-Chloroethoxy)met...	7.464	93	283156	9.64	ug/mL	93
27) Benzoic Acid	7.446	105	114708	10.59	ug/mL#	100
28) 2,4-Dichlorophenol	7.646	162	191341	9.84	ug/mL	94
29) 1,2,4-Trichlorobenzene	7.734	180	195080	9.67	ug/mL	99
30) Naphthalene	7.846	128	681927	10.14	ug/mL	99
31) 4-Chloroaniline	7.893	65	97808	10.01	ug/mL	97
32) Hexachlorobutadiene	7.981	225	106450	9.53	ug/mL	98
33) 4-Chloro-3-methylphenol	8.516	107	224695	10.08	ug/mL	99
34) 2-Methylnaphthalene	8.716	142	455554	10.11	ug/mL	99

JP 4/18/23

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410010.D
Acq On : 10 Apr 2023 2:47 pm
Operator : JP
Sample : 10 PPM ICAL
Misc : SV6-104-16
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 18 11:54:08 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
35)	1-Methylnaphthalene	8.845	142	423093	10.00	ug/mL	99
37)	Hexachlorocyclopentadiene	8.909	237	72165	8.26	ug/mL	98
38)	2,4,6-Trichlorophenol	9.074	196	133667	9.82	ug/mL	99
39)	2,3-Dichloroaniline	9.068	161	238837	10.03	ug/mL	99
40)	2,4,5-Trichlorophenol	9.156	196	146337	9.97	ug/mL	99
42)	2-Chloronaphthalene	9.338	162	439027	10.03	ug/mL	99
43)	2-Nitroaniline	9.456	65	170520	10.29	ug/mL	93
44)	1,4-Dinitrobenzene	9.620	168	77689	10.31	ug/mL#	84
45)	Dimethylphthalate	9.662	163	512551	10.05	ug/mL	99
46)	1,3-Dinitrobenzene	9.714	168	90922	10.35	ug/mL#	64
47)	2,6-Dinitrotoluene	9.750	165	122969	10.27	ug/mL#	81
48)	1,2-Dinitrobenzene	9.826	168	59781	10.22	ug/mL	97
49)	Acenaphthylene	9.867	152	657912	10.29	ug/mL	100
50)	3-Nitroaniline	9.456	138	158243	9.94	ug/mL#	52
51)	2,4-Dinitrophenol	10.096	184	17706	8.93	ug/mL#	48
52)	Acenaphthene	10.085	154	412267	9.87	ug/mL	97
53)	4-Nitrophenol	10.232	65	104387	10.15	ug/mL	83
54)	2,4-Dinitrotoluene	10.255	165	156278	10.12	ug/mL#	86
55)	Dibenzofuran	10.302	168	623270	10.12	ug/mL	91
56)	2,3,5,6-Tetrachlorophenol	10.396	232	103166	9.39	ug/mL	93
57)	2,3,4,6-Tetrachlorophenol	10.455	232	103735	9.70	ug/mL	85
58)	Diethylphthalate	10.543	149	502385	10.07	ug/mL	95
59)	4-Chlorophenyl-phenyle...	10.713	204	239655	9.97	ug/mL	92
60)	4-Nitroaniline	10.743	138	141255	10.30	ug/mL#	88
61)	Fluorene	10.737	166	522247	10.10	ug/mL	99
63)	4,6-Dinitro-2-methylph...	10.766	198	48645	7.99	ug/mL	82
64)	n-Nitrosodiphenylamine	10.860	169	444048	10.16	ug/mL	99
65)	1,2-Diphenylhydrazine	10.913	182	138170	9.80	ug/mL#	43
67)	4-Bromophenyl-phenylether	11.336	248	133528	9.92	ug/mL	90
68)	Hexachlorobenzene	11.424	284	133812	9.62	ug/mL	91
69)	Pentachlorophenol	11.683	266	56942	9.25	ug/mL	99
70)	n-Octadecane	11.712	43	335272	10.43	ug/mL	91
71)	Phenanthrene	11.982	178	710152	10.05	ug/mL	98
72)	Anthracene	12.047	178	718971	10.26	ug/mL	99
73)	Carbazole	12.264	167	695071	10.23	ug/mL	98
74)	Di-n-butylphthalate	12.711	149	881492	10.54	ug/mL	98
75)	Fluoranthene	13.804	202	784027	10.06	ug/mL	87
77)	Benzidine	14.009	184	392254	10.41	ug/mL	90
78)	Pyrene	14.209	202	803653	10.23	ug/mL	99
80)	Butylbenzylphthalate	15.379	149	398380	10.25	ug/mL	92
81)	bis-2-Ethylhexyladipate	15.520	129	379592	10.32	ug/mL	95
82)	3,3'-Dichlorobenzidine	16.465	252	274614	10.46	ug/mL	96
83)	Benzo[a]anthracene	16.530	228	729795	9.88	ug/mL	100
84)	Chrysene	16.601	228	658004	10.08	ug/mL	98
85)	bis(2-Ethylhexyl)phtha...	16.560	149	563153	10.24	ug/mL	93
86)	Di-n-octylphthalate	17.929	149	990584	10.41	ug/mL	95
88)	Benzo[b]fluoranthene	18.733	252	707611	9.64	ug/mL	90
89)	Benzo(j,k)fluoranthene	18.792	252	699554	10.11	ug/mL	90
90)	Benzo[a]pyrene	19.468	252	620893	9.99	ug/mL	89
91)	Indeno[1,2,3-cd]pyrene	22.611	276	637302	9.65	ug/mL	74
92)	Dibenz[a,h]anthracene	22.688	278	628214	9.91	ug/mL	89
93)	Benzo[g,h,i]perylene	23.528	276	620398	9.90	ug/mL	84

Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410010.D
Acq On : 10 Apr 2023 2:47 pm
Operator : JP
Sample : 10 PPM ICAL
Misc : SV6-104-16
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 18 11:54:08 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

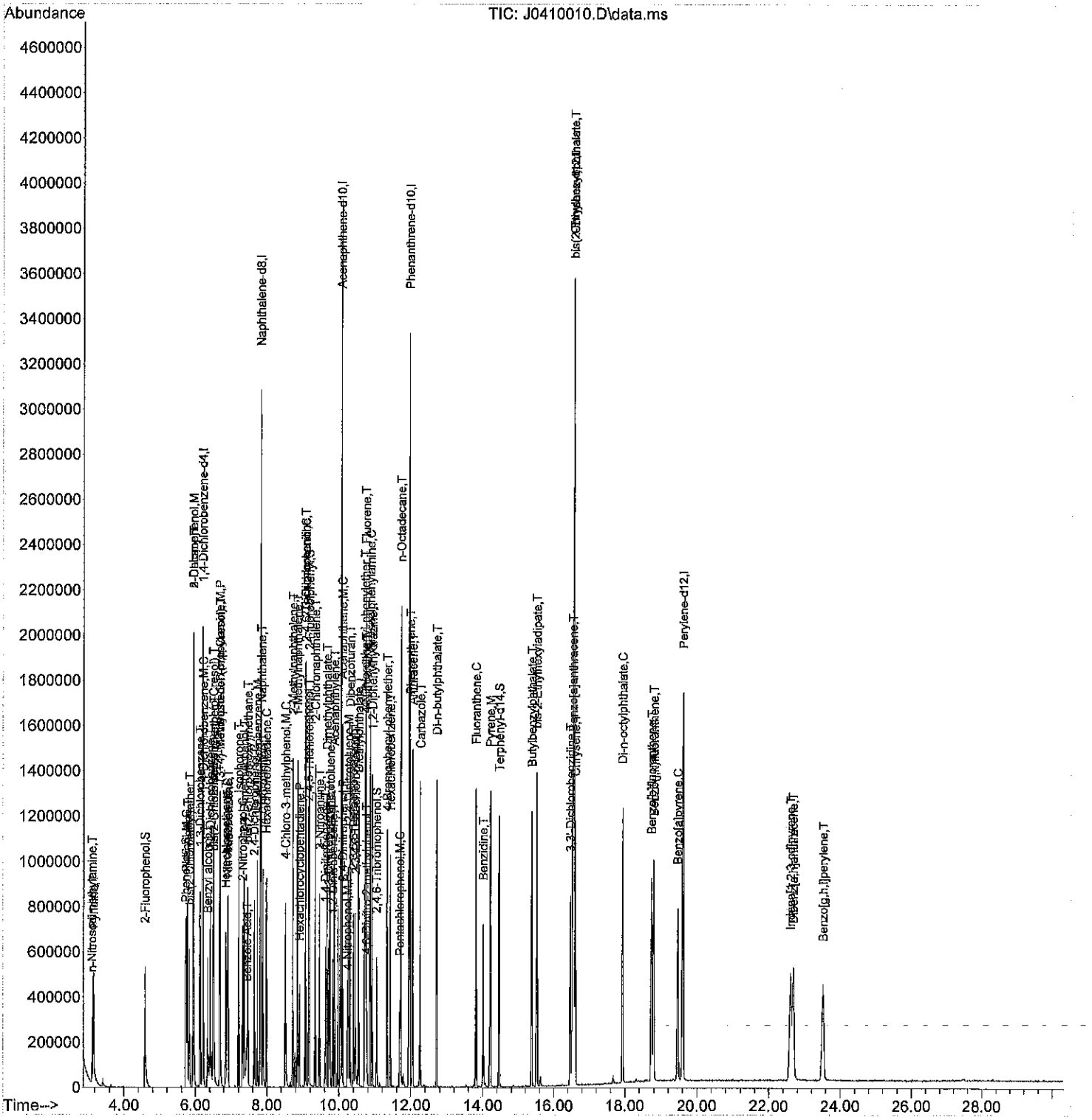
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410010.D
Acq On : 10 Apr 2023 2:47 pm
Operator : JP
Sample : 10 PPM ICAL
Misc : SV6-104-16
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 18 11:54:08 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410011.D
Acq On : 10 Apr 2023 3:25 pm
Operator : JP
Sample : 20 PPM ICAL
Misc : SV6-104-15
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 18 11:56:52 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.201	152	384770	25.00	ug/mL	0.00
20) Naphthalene-d8	7.822	136	1508246	25.00	ug/mL	0.00
36) Acenaphthene-d10	10.049	164	954288	25.00	ug/mL	0.00
62) Phenanthrene-d10	11.953	188	1566691	25.00	ug/mL	0.00
76) Chrysene-d12	16.559	240	1410374	25.00	ug/mL	0.00
87) Perylene-d12	19.621	264	1449674	25.00	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.591	112	462317	21.02	ug/mL	0.00
Spiked Amount 40.000	Range 21 - 110		Recovery = 52.55%			
5) Phenol-d6	5.713	99	571174	20.70	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 110		Recovery = 51.75%			
21) Nitrobenzene-d5	6.894	82	531568	20.84	ug/mL	0.00
Spiked Amount 40.000	Range 35 - 114		Recovery = 52.10%			
41) 2-Fluorobiphenyl	9.168	172	1013149	20.66	ug/mL	0.00
Spiked Amount 40.000	Range 43 - 116		Recovery = 51.65%			
66) 2,4,6-Tribromophenol	11.042	330	133024	22.00	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 123		Recovery = 55.00%			
79) Terphenyl-d14	14.456	244	1176929	20.84	ug/mL	0.00
Spiked Amount 40.000	Range 33 - 141		Recovery = 52.10%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.128	42	281239	20.71	ug/mL#	54
3) Pyridine	3.163	79	442477	20.74	ug/mL#	61
6) Phenol	5.731	94	655810	21.23	ug/mL	91
7) Aniline	5.784	93	697784	20.68	ug/mL	89
8) bis(2-Chloroethyl)ether	5.837	93	496487	20.47	ug/mL	97
9) 2-Chlorophenol	5.948	128	461610	20.35	ug/mL	99
10) n-Decane	5.948	43	665661	19.96	ug/mL	89
11) 1,3-Dichlorobenzene	6.130	146	509262	20.74	ug/mL	99
12) 1,4-Dichlorobenzene	6.218	146	522433	20.91	ug/mL	99
13) Benzyl alcohol	6.354	108	266332	21.34	ug/mL	96
14) 1,2-Dichlorobenzene	6.418	146	482103	20.53	ug/mL	98
15) 2-Methylphenol (o-Cresol)	6.495	107	412340m	20.71	ug/mL	
16) bis(2-Chloroisopropyl)...	6.512	45	898347	20.11	ug/mL#	68
17) (3+4)-Methylphenol (m,...	6.683	107	501689	20.47	ug/mL	98
18) n-Nitroso-di-n-propyla...	6.683	70	359013	20.60	ug/mL	86
19) Hexachloroethane	6.847	117	211134	20.53	ug/mL	82
22) Nitrobenzene	6.923	77	538877	21.11	ug/mL	95
23) Isophorone	7.217	82	984287	20.77	ug/mL	87
24) 2-Nitrophenol	7.323	139	261843	21.94	ug/mL	86
25) 2,4-Dimethylphenol	7.358	122	374409	20.93	ug/mL	90
26) bis(2-Chloroethoxy)met...	7.464	93	573136	20.44	ug/mL	94
27) Benzoic Acid	7.470	105	261865	22.19	ug/mL#	100
28) 2,4-Dichlorophenol	7.646	162	396671	21.38	ug/mL	95
29) 1,2,4-Trichlorobenzene	7.734	180	404593	21.03	ug/mL	99
30) Naphthalene	7.846	128	1365892	21.28	ug/mL	99
31) 4-Chloroaniline	7.893	65	199309	21.38	ug/mL	97
32) Hexachlorobutadiene	7.981	225	223427	20.96	ug/mL	99
33) 4-Chloro-3-methylphenol	8.516	107	457600	21.52	ug/mL	99
34) 2-Methylnaphthalene	8.721	142	909446	21.15	ug/mL	100

JP 4/18/23

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410011.D
Acq On : 10 Apr 2023 3:25 pm
Operator : JP
Sample : 20 PPM ICAL
Misc : SV6-104-15
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 18 11:56:52 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
35)	1-Methylnaphthalene	8.851	142	849587	21.04	ug/mL	100
37)	Hexachlorocyclopentadiene	8.909	237	173407	18.77	ug/mL	100
38)	2,4,6-Trichlorophenol	9.074	196	274997	20.56	ug/mL	98
39)	2,3-Dichloroaniline	9.074	161	481563	20.58	ug/mL	99
40)	2,4,5-Trichlorophenol	9.150	196	299963	20.79	ug/mL	98
42)	2-Chloronaphthalene	9.344	162	883827	20.54	ug/mL	99
43)	2-Nitroaniline	9.456	65	337647	20.73	ug/mL	97
44)	1,4-Dinitrobenzene	9.626	168	163358	22.06	ug/mL#	83
45)	Dimethylphthalate	9.667	163	1027926	20.51	ug/mL	99
46)	1,3-Dinitrobenzene	9.720	168	183807	21.29	ug/mL#	64
47)	2,6-Dinitrotoluene	9.756	165	245866	20.89	ug/mL#	81
48)	1,2-Dinitrobenzene	9.832	168	122016	21.23	ug/mL	94
49)	Acenaphthylene	9.873	152	1300217	20.69	ug/mL	99
50)	3-Nitroaniline	9.462	138	330884	21.15	ug/mL#	51
51)	2,4-Dinitrophenol	10.096	184	59777	19.84	ug/mL#	36
52)	Acenaphthene	10.090	154	848504	20.68	ug/mL	98
53)	4-Nitrophenol	10.226	65	231369	22.90	ug/mL	86
54)	2,4-Dinitrotoluene	10.261	165	326413	21.51	ug/mL#	87
55)	Dibenzofuran	10.308	168	1253421	20.71	ug/mL	90
56)	2,3,5,6-Tetrachlorophenol	10.402	232	218043	19.78	ug/mL	92
57)	2,3,4,6-Tetrachlorophenol	10.455	232	228065	21.71	ug/mL	88
58)	Diethylphthalate	10.549	149	1025418	20.91	ug/mL	96
59)	4-Chlorophenyl-phenyle...	10.713	204	481008	20.36	ug/mL	91
60)	4-Nitroaniline	10.754	138	288038	21.38	ug/mL#	89
61)	Fluorene	10.737	166	1045276	20.57	ug/mL	99
63)	4,6-Dinitro-2-methylph...	10.772	198	136242	18.02	ug/mL	85
64)	n-Nitrosodiphenylamine	10.866	169	891614	20.71	ug/mL	97
65)	1,2-Diphenylhydrazine	10.919	182	282272	20.31	ug/mL#	40
67)	4-Bromophenyl-phenylether	11.336	248	271681	20.49	ug/mL	89
68)	Hexachlorobenzene	11.430	284	284416	20.76	ug/mL	93
69)	Pentachlorophenol	11.683	266	145235	21.16	ug/mL	99
70)	n-Octadecane	11.712	43	636763	20.11	ug/mL	90
71)	Phenanthrene	11.982	178	1411326	20.28	ug/mL	98
72)	Anthracene	12.053	178	1436330	20.80	ug/mL	98
73)	Carbazole	12.264	167	1374311	20.53	ug/mL	97
74)	Di-n-butylphthalate	12.717	149	1749243	21.24	ug/mL	98
75)	Fluoranthene	13.810	202	1578352	20.56	ug/mL	87
77)	Benzidine	14.009	184	830570	22.35	ug/mL	89
78)	Pyrene	14.215	202	1616328	20.86	ug/mL	98
80)	Butylbenzylphthalate	15.384	149	810442	21.14	ug/mL	91
81)	bis-2-Ethylhexyladipate	15.525	129	762475	21.03	ug/mL	96
82)	3,3'-Dichlorobenzidine	16.471	252	557362	21.52	ug/mL	96
83)	Benzo[a]anthracene	16.536	228	1495262	20.53	ug/mL	99
84)	Chrysene	16.612	228	1344771	20.89	ug/mL	98
85)	bis(2-Ethylhexyl)phtha...	16.565	149	1149351	21.19	ug/mL	94
86)	Di-n-octylphthalate	17.934	149	2006818	21.39	ug/mL	94
88)	Benzo[b]fluoranthene	18.745	252	1474890	20.55	ug/mL	89
89)	Benzo(j,k)fluoranthene	18.810	252	1411413	20.85	ug/mL	90
90)	Benzo[a]pyrene	19.480	252	1271298	20.92	ug/mL	89
91)	Indeno[1,2,3-cd]pyrene	22.635	276	1368607	21.20	ug/mL	75
92)	Dibenz[a,h]anthracene	22.711	278	1333414	21.50	ug/mL	88
93)	Benzo[g,h,i]perylene	23.557	276	1294947	21.14	ug/mL	83

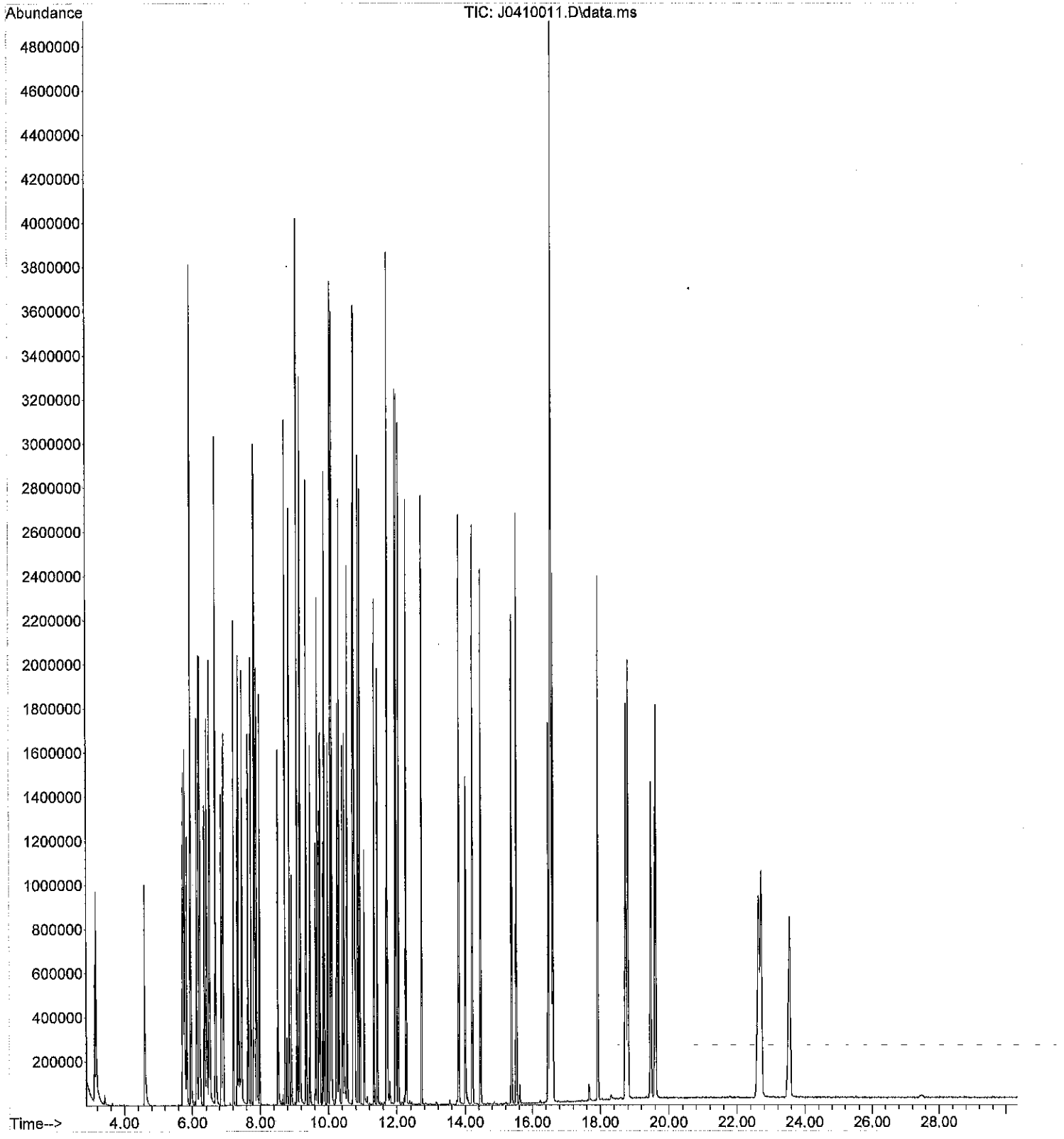
Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410011.D
Acq On : 10 Apr 2023 3:25 pm
Operator : JP
Sample : 20 PPM ICAL
Misc : SV6-104-15
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 18 11:56:52 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

File :X:\semivols\Jessie\DATA\J230410\J0410011.D
Operator : JP
Acquired : 10 Apr 2023 3:25 pm using AcqMethod SV230228.M
Instrument : Jessie
Sample Name: 20 PPM ICAL
Misc Info : SV6-104-15
Vial Number: 11



Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410012.D
Acq On : 10 Apr 2023 4:04 pm
Operator : JP
Sample : 35 PPM ICAL
Misc : SV6-104-14
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 18 12:00:02 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.201	152	414048	25.00	ug/mL	0.00
20) Naphthalene-d8	7.823	136	1654673	25.00	ug/mL	0.00
36) Acenaphthene-d10	10.049	164	1012963	25.00	ug/mL	0.00
62) Phenanthrene-d10	11.953	188	1643595	25.00	ug/mL	0.00
76) Chrysene-d12	16.565	240	1519630	25.00	ug/mL	0.00
87) Perylene-d12	19.627	264	1546931	25.00	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.591	112	835442	35.30	ug/mL	0.00
Spiked Amount 40.000	Range 21 - 110		Recovery = 88.25%			
5) Phenol-d6	5.713	99	1027030	34.59	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 110		Recovery = 86.48%			
21) Nitrobenzene-d5	6.900	82	954301	34.11	ug/mL	0.00
Spiked Amount 40.000	Range 35 - 114		Recovery = 85.28%			
41) 2-Fluorobiphenyl	9.174	172	1778932	34.17	ug/mL	0.00
Spiked Amount 40.000	Range 43 - 116		Recovery = 85.43%			
66) 2,4,6-Tribromophenol	11.048	330	252755	39.84	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 123		Recovery = 99.60%			
79) Terphenyl-d14	14.462	244	2131212	35.03	ug/mL	0.00
Spiked Amount 40.000	Range 33 - 141		Recovery = 87.58%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.134	42	518251	35.47	ug/mL#	53
3) Pyridine	3.163	79	818911	35.68	ug/mL#	63
6) Phenol	5.731	94	1066369	32.08	ug/mL	84
7) Aniline	5.790	93	1261738	34.75	ug/mL	89
8) bis(2-Chloroethyl)ether	5.848	93	882498	33.81	ug/mL	97
9) 2-Chlorophenol	5.948	128	833622	34.15	ug/mL	98
10) n-Decane	5.954	43	1116810	31.11	ug/mL	87
11) 1,3-Dichlorobenzene	6.136	146	909631	34.42	ug/mL	99
12) 1,4-Dichlorobenzene	6.224	146	931292	34.64	ug/mL	98
13) Benzyl alcohol	6.360	108	502444	37.41	ug/mL	98
14) 1,2-Dichlorobenzene	6.418	146	862837	34.15	ug/mL	98
15) 2-Methylphenol (o-Cresol)	6.495	107	707279	33.02	ug/mL#	79
16) bis(2-Chloroisopropyl)...	6.518	45	1540534	32.05	ug/mL#	65
17) (3+4)-Methylphenol (m,...	6.689	107	902922	34.23	ug/mL	99
18) n-Nitroso-di-n-propyla...	6.689	70	636356	33.93	ug/mL	88
19) Hexachloroethane	6.847	117	383930	34.69	ug/mL	83
22) Nitrobenzene	6.929	77	947276	33.82	ug/mL	94
23) Isophorone	7.223	82	1737702	33.42	ug/mL	86
24) 2-Nitrophenol	7.323	139	464657	35.49	ug/mL	87
25) 2,4-Dimethylphenol	7.364	122	678019	34.55	ug/mL	91
26) bis(2-Chloroethoxy)met...	7.470	93	1024782	33.32	ug/mL	94
27) Benzoic Acid	7.511	105	538868	36.54	ug/mL#	100
28) 2,4-Dichlorophenol	7.646	162	709381	34.84	ug/mL	94
29) 1,2,4-Trichlorobenzene	7.740	180	728919	34.53	ug/mL	99
30) Naphthalene	7.852	128	2286897	32.48	ug/mL	97
31) 4-Chloroaniline	7.899	65	356113	34.82	ug/mL	97
32) Hexachlorobutadiene	7.987	225	405842	34.71	ug/mL	99
33) 4-Chloro-3-methylphenol	8.516	107	822030	35.24	ug/mL	100
34) 2-Methylnaphthalene	8.722	142	1602107	33.96	ug/mL	100

JD
4/18/23

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410012.D
Acq On : 10 Apr 2023 4:04 pm
Operator : JP
Sample : 35 PPM ICAL
Misc : SV6-104-14
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 18 12:00:02 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
35)	1-Methylnaphthalene	8.851	142	1500931	33.89	ug/mL	100
37)	Hexachlorocyclopentadiene	8.910	237	354575	35.24	ug/mL	100
38)	2,4,6-Trichlorophenol	9.074	196	504955	35.56	ug/mL	99
39)	2,3-Dichloroaniline	9.074	161	859908	34.62	ug/mL	97
40)	2,4,5-Trichlorophenol	9.150	196	557771	36.42	ug/mL	99
42)	2-Chloronaphthalene	9.344	162	1564583	34.25	ug/mL	98
43)	2-Nitroaniline	9.462	65	612813	35.45	ug/mL	96
44)	1,4-Dinitrobenzene	9.632	168	304844	38.79	ug/mL#	82
45)	Dimethylphthalate	9.679	163	1816302	34.14	ug/mL	98
46)	1,3-Dinitrobenzene	9.732	168	334983	36.55	ug/mL#	69
47)	2,6-Dinitrotoluene	9.761	165	445622	35.67	ug/mL#	81
48)	1,2-Dinitrobenzene	9.844	168	221616	36.33	ug/mL	96
49)	Acenaphthylene	9.879	152	2239737	33.57	ug/mL	97
50)	3-Nitroaniline	9.468	138	593992	35.77	ug/mL#	51
51)	2,4-Dinitrophenol	10.102	184	162089	36.25	ug/mL#	1
52)	Acenaphthene	10.096	154	1529647	35.12	ug/mL	98
53)	4-Nitrophenol	10.226	65	445028	41.50	ug/mL	86
54)	2,4-Dinitrotoluene	10.267	165	596779	37.06	ug/mL	97
55)	Dibenzofuran	10.308	168	2160281	33.63	ug/mL	88
56)	2,3,5,6-Tetrachlorophenol	10.402	232	414794	35.17	ug/mL	94
57)	2,3,4,6-Tetrachlorophenol	10.455	232	436941	39.18	ug/mL	91
58)	Diethylphthalate	10.555	149	1796749	34.52	ug/mL	94
59)	4-Chlorophenyl-phenyle...	10.719	204	863814	34.44	ug/mL	91
60)	4-Nitroaniline	10.766	138	517112	36.16	ug/mL#	88
61)	Fluorene	10.743	166	1834178	34.01	ug/mL	99
63)	4,6-Dinitro-2-methylph...	10.784	198	300164	35.05	ug/mL	82
64)	n-Nitrosodiphenylamine	10.872	169	1573245	34.83	ug/mL	96
65)	1,2-Diphenylhydrazine	10.925	182	511667	35.10	ug/mL#	33
67)	4-Bromophenyl-phenylether	11.342	248	495028	35.59	ug/mL	92
68)	Hexachlorobenzene	11.436	284	526598	36.64	ug/mL	96
69)	Pentachlorophenol	11.689	266	294561	36.71	ug/mL	99
70)	n-Octadecane	11.718	43	1059006	31.88	ug/mL	91
71)	Phenanthrene	11.988	178	2437562	33.38	ug/mL	96
72)	Anthracene	12.059	178	2462418	34.00	ug/mL	95
73)	Carbazole	12.270	167	2384850	33.95	ug/mL	96
74)	Di-n-butylphthalate	12.717	149	2904810	33.62	ug/mL	96
75)	Fluoranthene	13.816	202	2750136	34.15	ug/mL	86
77)	Benzidine	14.021	184	1588840	39.68	ug/mL	90
78)	Pyrene	14.221	202	2825514	33.84	ug/mL	96
80)	Butylbenzylphthalate	15.384	149	1451879	35.15	ug/mL	91
81)	bis-2-Ethylhexyladipate	15.525	129	1343960	34.40	ug/mL	94
82)	3,3'-Dichlorobenzidine	16.483	252	1034152	37.06	ug/mL	95
83)	Benzo[a]anthracene	16.542	228	2684352	34.21	ug/mL	98
84)	Chrysene	16.624	228	2422121	34.91	ug/mL	97
85)	bis(2-Ethylhexyl)phtha...	16.571	149	2003109	34.27	ug/mL	91
86)	Di-n-octylphthalate	17.940	149	3437605	34.00	ug/mL	94
88)	Benzo[b]fluoranthene	18.757	252	2698067	35.23	ug/mL	89
89)	Benzo(j,k)fluoranthene	18.827	252	2544732	35.24	ug/mL	89
90)	Benzo[a]pyrene	19.497	252	2329277	35.92	ug/mL	88
91)	Indeno[1,2,3-cd]pyrene	22.670	276	2611723	37.92	ug/mL	73
92)	Dibenz[a,h]anthracene	22.747	278	2499105	37.76	ug/mL	87
93)	Benzo[g,h,i]perylene	23.604	276	2394204	36.62	ug/mL	83

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410012.D
Acq On : 10 Apr 2023 4:04 pm
Operator : JP
Sample : 35 PPM ICAL
Misc : SV6-104-14
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 18 12:00:02 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

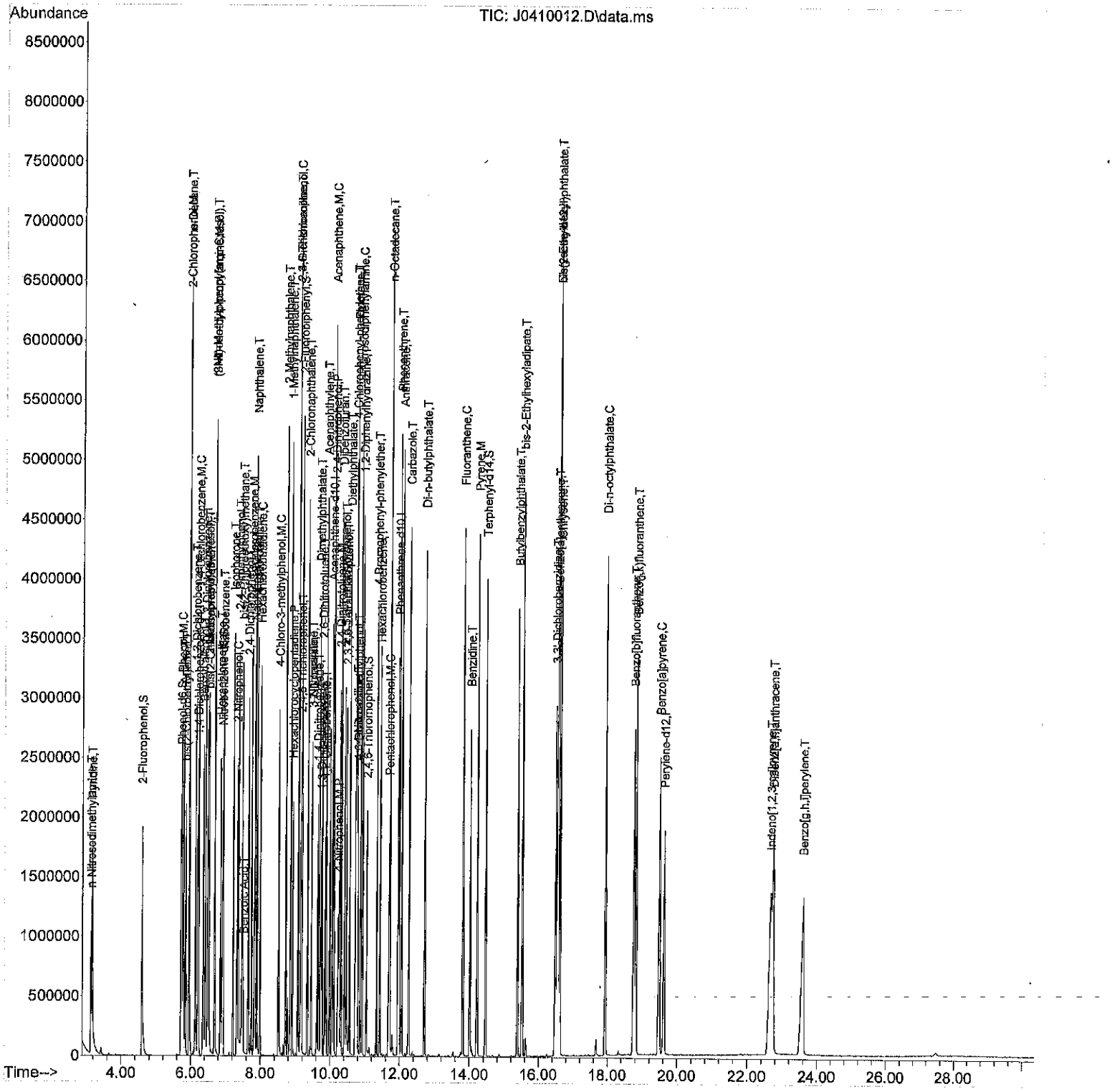
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410012.D
Acq On : 10 Apr 2023 4:04 pm
Operator : JP
Sample : 35 PPM ICAL
Misc : SV6-104-14
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 18 12:00:02 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410013.D
Acq On : 10 Apr 2023 4:42 pm
Operator : JP
Sample : 50 PPM ICAL
Misc : SV6-104-13
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 18 12:03:51 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.201	152	389554	25.00	ug/mL	0.00
20) Naphthalene-d8	7.823	136	1558421	25.00	ug/mL	0.00
36) Acenaphthene-d10	10.055	164	958625	25.00	ug/mL	0.00
62) Phenanthrene-d10	11.953	188	1596849	25.00	ug/mL	0.00
76) Chrysene-d12	16.577	240	1451871	25.00	ug/mL	0.02
87) Perylene-d12	19.633	264	1472232	25.00	ug/mL	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.591	112	1133560	50.91	ug/mL	0.00
Spiked Amount 40.000	Range 21 - 110		Recovery =	127.27%#		
5) Phenol-d6	5.713	99	1373905	49.18	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 110		Recovery =	122.95%#		
21) Nitrobenzene-d5	6.906	82	1298726	49.29	ug/mL	0.01
Spiked Amount 40.000	Range 35 - 114		Recovery =	123.23%#		
41) 2-Fluorobiphenyl	9.180	172	2301612	46.72	ug/mL	0.01
Spiked Amount 40.000	Range 43 - 116		Recovery =	116.80%#		
66) 2,4,6-Tribromophenol	11.048	330	347844	56.43	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 123		Recovery =	141.07%#		
79) Terphenyl-d14	14.468	244	2840463	48.87	ug/mL	0.01
Spiked Amount 40.000	Range 33 - 141		Recovery =	122.17%		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.140	42	696880	50.69	ug/mL#	52
3) Pyridine	3.163	79	1102580	51.05	ug/mL#	63
6) Phenol	5.737	94	1457977	46.61	ug/mL	84
7) Aniline	5.790	93	1712476	50.12	ug/mL	90
8) bis(2-Chloroethyl)ether	5.848	93	1175510	47.86	ug/mL	96
9) 2-Chlorophenol	5.954	128	1126692	49.06	ug/mL	97
10) n-Decane	5.954	43	1435754	42.51	ug/mL	85
11) 1,3-Dichlorobenzene	6.136	146	1226714	49.34	ug/mL	99
12) 1,4-Dichlorobenzene	6.224	146	1246930	49.29	ug/mL	98
13) Benzyl alcohol	6.360	108	698739	55.30	ug/mL	97
14) 1,2-Dichlorobenzene	6.418	146	1167732	49.13	ug/mL	99
15) 2-Methylphenol (o-Cresol)	6.495	107	953198	47.29	ug/mL#	80
16) bis(2-Chloroisopropyl)...	6.518	45	2023983	44.76	ug/mL#	63
17) (3+4)-Methylphenol (m,...	6.689	107	1212927	48.88	ug/mL	98
18) n-Nitroso-di-n-propyla...	6.695	70	854234	48.41	ug/mL	90
19) Hexachloroethane	6.853	117	520221	49.96	ug/mL	82
22) Nitrobenzene	6.930	77	1269473	48.13	ug/mL	93
23) Isophorone	7.229	82	2299229	46.95	ug/mL	85
24) 2-Nitrophenol	7.329	139	625551	50.72	ug/mL	88
25) 2,4-Dimethylphenol	7.364	122	951785	51.50	ug/mL	95
26) bis(2-Chloroethoxy)met...	7.476	93	1363777	47.08	ug/mL	93
27) Benzoic Acid	7.535	105	785014	50.60	ug/mL#	100
28) 2,4-Dichlorophenol	7.646	162	956319	49.87	ug/mL	95
29) 1,2,4-Trichlorobenzene	7.740	180	986735	49.63	ug/mL	100
30) Naphthalene	7.852	128	2893347	43.63	ug/mL	95
31) 4-Chloroaniline	7.899	65	472112	49.02	ug/mL	97
32) Hexachlorobutadiene	7.987	225	558922	50.75	ug/mL	99
33) 4-Chloro-3-methylphenol	8.516	107	1107121	50.39	ug/mL	100
34) 2-Methylnaphthalene	8.727	142	2113153	47.56	ug/mL	100

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410013.D
Acq On : 10 Apr 2023 4:42 pm
Operator : JP
Sample : 50 PPM ICAL
Misc : SV6-104-13
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 18 12:03:51 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
35) 1-Methylnaphthalene	8.857	142	1972093	47.28 ug/mL	100
37) Hexachlorocyclopentadiene	8.910	237	503124	52.35 ug/mL	99
38) 2,4,6-Trichlorophenol	9.080	196	686169	51.07 ug/mL	99
39) 2,3-Dichloroaniline	9.080	161	1162764	49.47 ug/mL	97
40) 2,4,5-Trichlorophenol	9.151	196	761275	52.53 ug/mL	99
42) 2-Chloronaphthalene	9.350	162	2054975	47.54 ug/mL	97
43) 2-Nitroaniline	9.468	65	818562	50.04 ug/mL	96
44) 1,4-Dinitrobenzene	9.638	168	412890	55.52 ug/mL#	81
45) Dimethylphthalate	9.685	163	2416336	48.00 ug/mL	97
46) 1,3-Dinitrobenzene	9.738	168	455536	52.52 ug/mL#	67
47) 2,6-Dinitrotoluene	9.767	165	595811	50.39 ug/mL#	81
48) 1,2-Dinitrobenzene	9.856	168	301753	52.28 ug/mL	92
49) Acenaphthylene	9.885	152	2888567	45.75 ug/mL	95
50) 3-Nitroaniline	9.468	138	790276	50.29 ug/mL#	52
51) 2,4-Dinitrophenol	10.108	184	266533	50.90 ug/mL#	1
52) Acenaphthene	10.102	154	2047543	49.67 ug/mL	97
53) 4-Nitrophenol	10.220	65	559488m	55.13 ug/mL	
54) 2,4-Dinitrotoluene	10.273	165	809837	53.14 ug/mL	96
55) Dibenzofuran	10.314	168	2750766	45.26 ug/mL	85
56) 2,3,5,6-Tetrachlorophenol	10.408	232	570861	50.99 ug/mL	94
57) 2,3,4,6-Tetrachlorophenol	10.461	232	595404	56.42 ug/mL	92
58) Diethylphthalate	10.561	149	2340401	47.52 ug/mL	92
59) 4-Chlorophenyl-phenyle...	10.725	204	1181969	49.80 ug/mL	92
60) 4-Nitroaniline	10.778	138	709196	52.41 ug/mL#	87
61) Fluorene	10.749	166	2388673	46.80 ug/mL	99
63) 4,6-Dinitro-2-methylph...	10.796	198	433403	50.86 ug/mL	83
64) n-Nitrosodiphenylamine	10.878	169	2087317	47.56 ug/mL	95
65) 1,2-Diphenylhydrazine	10.931	182	689587	48.69 ug/mL#	26
67) 4-Bromophenyl-phenylether	11.342	248	680711	50.38 ug/mL	92
68) Hexachlorobenzene	11.436	284	712109	51.00 ug/mL	96
69) Pentachlorophenol	11.695	266	419583	49.78 ug/mL	98
70) n-Octadecane	11.718	43	1358203	42.08 ug/mL	89
71) Phenanthrene	11.994	178	3118099	43.95 ug/mL	93
72) Anthracene	12.065	178	3140218	44.63 ug/mL	92
73) Carbazole	12.276	167	3136919	45.97 ug/mL	95
74) Di-n-butylphthalate	12.723	149	3651300	43.49 ug/mL	94
75) Fluoranthene	13.822	202	3623466	46.32 ug/mL	86
77) Benzidine	14.027	184	2181296	57.01 ug/mL	89
78) Pyrene	14.227	202	3704169	46.43 ug/mL	94
80) Butylbenzylphthalate	15.390	149	1928912	48.88 ug/mL	90
81) bis-2-Ethylhexyladipate	15.531	129	1814476	48.61 ug/mL	94
82) 3,3'-Dichlorobenzidine	16.495	252	1430241	53.65 ug/mL	95
83) Benzo[a]anthracene	16.548	228	3631307	48.44 ug/mL	98
84) Chrysene	16.636	228	3222301	48.62 ug/mL	95
85) bis(2-Ethylhexyl)phtha...	16.571	149	2679631	47.99 ug/mL	90
86) Di-n-octylphthalate	17.946	149	4443648	46.01 ug/mL	95
88) Benzo[b]fluoranthene	18.775	252	3758554	51.56 ug/mL	88
89) Benzo(j,k)fluoranthene	18.839	252	3352448	48.77 ug/mL	89
90) Benzo[a]pyrene	19.509	252	3143510	50.93 ug/mL	88
91) Indeno[1,2,3-cd]pyrene	22.676	276	3768121	57.48 ug/mL	71
92) Dibenz[a,h]anthracene	22.776	278	3442187	54.65 ug/mL	87
93) Benzo[g,h,i]perylene	23.634	276	3304655	53.11 ug/mL	82

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410013.D
Acq On : 10 Apr 2023 4:42 pm
Operator : JP
Sample : 50 PPM ICAL
Misc : SV6-104-13
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 18 12:03:51 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

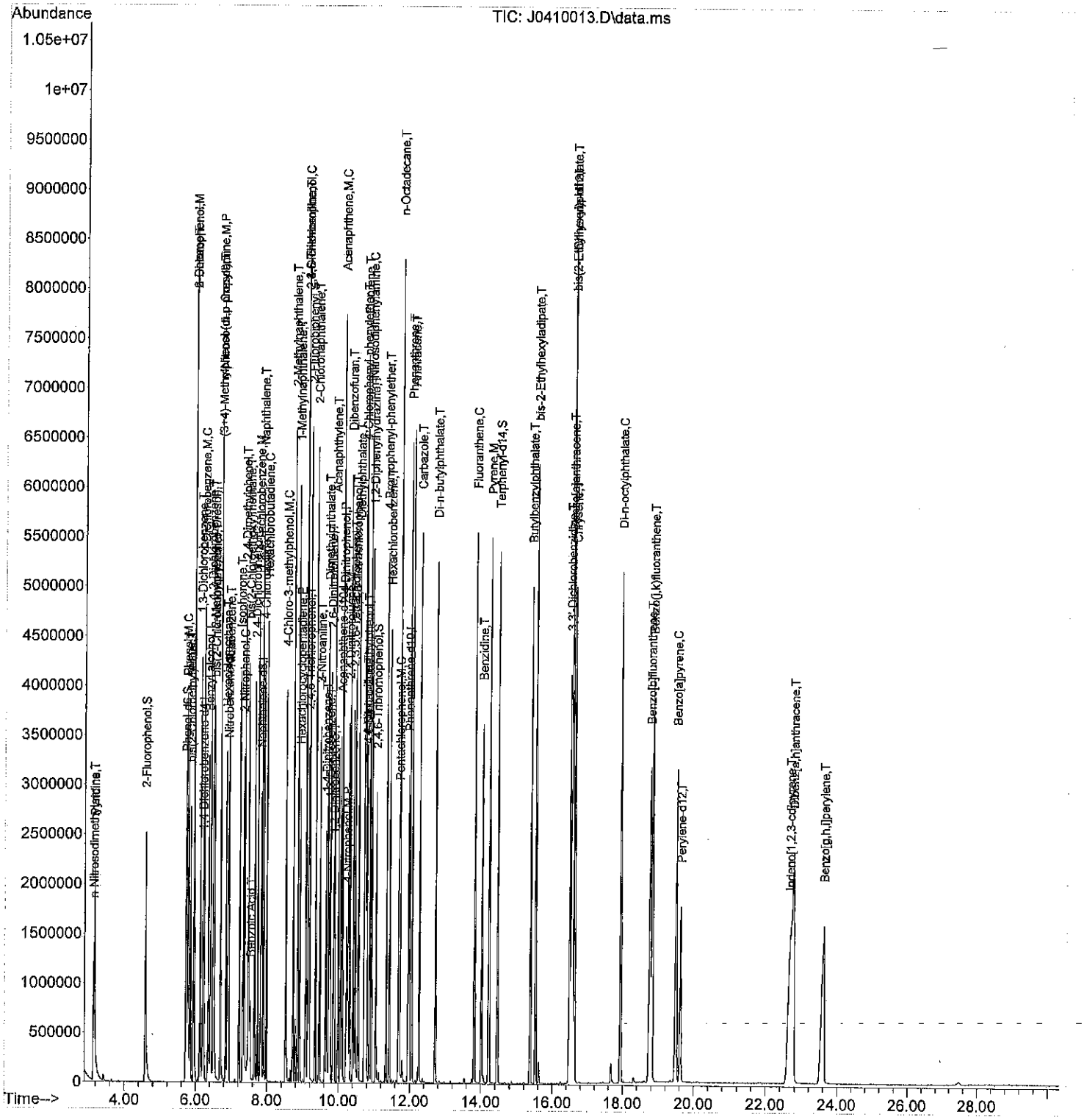
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410013.D
Acq On : 10 Apr 2023 4:42 pm
Operator : JP
Sample : 50 PPM ICAL
Misc : SV6-104-13
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 18 12:03:51 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410014.D
Acq On : 10 Apr 2023 5:21 pm
Operator : JP
Sample : 60 PPM ICAL
Misc : SV6-104-12
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 18 12:06:56 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.201	152	399903	25.00	ug/mL	# 0.00
20) Naphthalene-d8	7.828	136	1599322	25.00	ug/mL	0.00
36) Acenaphthene-d10	10.055	164	975657	25.00	ug/mL	0.00
62) Phenanthrene-d10	11.953	188	1598077	25.00	ug/mL	0.00
76) Chrysene-d12	16.577	240	1486014	25.00	ug/mL	0.02
87) Perylene-d12	19.633	264	1501872	25.00	ug/mL	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.591	112	1335388	58.42	ug/mL	0.00
Spiked Amount 40.000	Range 21 - 110		Recovery = 146.05%#			
5) Phenol-d6	5.719	99	1621299	56.53	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 110		Recovery = 141.33%#			
21) Nitrobenzene-d5	6.912	82	1534399	56.74	ug/mL	0.02
Spiked Amount 40.000	Range 35 - 114		Recovery = 141.85%#			
41) 2-Fluorobiphenyl	9.180	172	2661469	53.08	ug/mL	0.01
Spiked Amount 40.000	Range 43 - 116		Recovery = 132.70%#			
66) 2,4,6-Tribromophenol	11.054	330	413699	67.06	ug/mL	0.01
Spiked Amount 40.000	Range 10 - 123		Recovery = 167.65%#			
79) Terphenyl-d14	14.474	244	3354124	56.38	ug/mL	0.02
Spiked Amount 40.000	Range 33 - 141		Recovery = 140.95%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.146	42	823901	58.38	ug/mL#	53
3) Pyridine	3.169	79	1306262	58.92	ug/mL#	63
6) Phenol	5.737	94	1687048	52.54	ug/mL	81
7) Aniline	5.796	93	1992930	56.82	ug/mL	90
8) bis(2-Chloroethyl)ether	5.854	93	1403203	55.65	ug/mL	97
9) 2-Chlorophenol	5.954	128	1339251	56.81	ug/mL	97
10) n-Decane	5.954	43	1666809	48.08	ug/mL	84
11) 1,3-Dichlorobenzene	6.136	146	1449852	56.80	ug/mL	98
12) 1,4-Dichlorobenzene	6.224	146	1468720	56.56	ug/mL	98
13) Benzyl alcohol	6.365	108	841761	64.89	ug/mL	97
14) 1,2-Dichlorobenzene	6.424	146	1381460	56.61	ug/mL	98
15) 2-Methylphenol (o-Cresol)	6.495	107	1135882	54.90	ug/mL#	81
16) bis(2-Chloroisopropyl)...	6.518	45	2347119	50.56	ug/mL#	60
17) (3+4)-Methylphenol (m,...	6.694	107	1429691	56.12	ug/mL	98
18) n-Nitroso-di-n-propyla...	6.700	70	1013592	55.96	ug/mL	90
19) Hexachloroethane	6.853	117	614925	57.53	ug/mL	81
22) Nitrobenzene	6.935	77	1506533	55.65	ug/mL	93
23) Isophorone	7.235	82	2715266	54.03	ug/mL	85
24) 2-Nitrophenol	7.329	139	748951	59.18	ug/mL	87
25) 2,4-Dimethylphenol	7.370	122	1125823	59.36	ug/mL	95
26) bis(2-Chloroethoxy)met...	7.476	93	1622559	54.58	ug/mL	93
27) Benzoic Acid	7.546	105	951737	57.05	ug/mL#	100
28) 2,4-Dichlorophenol	7.652	162	1136984	57.78	ug/mL	94
29) 1,2,4-Trichlorobenzene	7.740	180	1176291	57.65	ug/mL	99
30) Naphthalene	7.858	128	3276593	48.14	ug/mL	93
31) 4-Chloroaniline	7.905	65	564858	57.15	ug/mL	96
32) Hexachlorobutadiene	7.987	225	662894	58.65	ug/mL	99
33) 4-Chloro-3-methylphenol	8.516	107	1300309	57.67	ug/mL	99
34) 2-Methylnaphthalene	8.727	142	2451837	53.77	ug/mL	99

JP 4/18/23

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410014.D
Acq On : 10 Apr 2023 5:21 pm
Operator : JP
Sample : 60 PPM ICAL
Misc : SV6-104-12
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 18 12:06:56 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
35)	1-Methylnaphthalene	8.857	142	2306680	53.88	ug/mL	99
37)	Hexachlorocyclopentadiene	8.915	237	597687	60.93	ug/mL	99
38)	2,4,6-Trichlorophenol	9.080	196	817642	59.79	ug/mL	99
39)	2,3-Dichloroaniline	9.080	161	1365215	57.07	ug/mL	96
40)	2,4,5-Trichlorophenol	9.145	196	907858	61.55	ug/mL	99
42)	2-Chloronaphthalene	9.350	162	2389486	54.32	ug/mL	96
43)	2-Nitroaniline	9.474	65	960748	57.70	ug/mL	97
44)	1,4-Dinitrobenzene	9.638	168	497928	65.78	ug/mL#	81
45)	Dimethylphthalate	9.691	163	2839789	55.43	ug/mL	97
46)	1,3-Dinitrobenzene	9.744	168	546560	61.92	ug/mL#	63
47)	2,6-Dinitrotoluene	9.773	165	717981	59.67	ug/mL	97
48)	1,2-Dinitrobenzene	9.856	168	365711	62.25	ug/mL	92
49)	Acenaphthylene	9.885	152	3295590	51.29	ug/mL	93
50)	3-Nitroaniline	9.474	138	943172	58.97	ug/mL#	51
51)	2,4-Dinitrophenol	10.114	184	346678	58.95	ug/mL#	1
52)	Acenaphthene	10.102	154	2411015	57.47	ug/mL	96
53)	4-Nitrophenol	10.220	65	685195m	66.33	ug/mL	
54)	2,4-Dinitrotoluene	10.279	165	969617	62.51	ug/mL	97
55)	Dibenzofuran	10.320	168	3199034	51.71	ug/mL	84
56)	2,3,5,6-Tetrachlorophenol	10.408	232	686394	60.17	ug/mL	95
57)	2,3,4,6-Tetrachlorophenol	10.467	232	712947	66.38	ug/mL	93
58)	Diethylphthalate	10.561	149	2711771	54.10	ug/mL	91
59)	4-Chlorophenyl-phenyle...	10.725	204	1405283	58.17	ug/mL	93
60)	4-Nitroaniline	10.790	138	850608	61.76	ug/mL#	87
61)	Fluorene	10.749	166	2769407	53.32	ug/mL	99
63)	4,6-Dinitro-2-methylph...	10.802	198	543894	63.13	ug/mL	85
64)	n-Nitrosodiphenylamine	10.878	169	2438231	55.51	ug/mL	94
65)	1,2-Diphenylhydrazine	10.931	182	828285	58.43	ug/mL#	23
67)	4-Bromophenyl-phenylether	11.348	248	822510	60.83	ug/mL	93
68)	Hexachlorobenzene	11.442	284	863037	61.76	ug/mL	97
69)	Pentachlorophenol	11.695	266	526202	59.22	ug/mL	100
70)	n-Octadecane	11.724	43	1551689	48.04	ug/mL	87
71)	Phenanthrene	11.994	178	3589711	50.56	ug/mL	91
72)	Anthracene	12.071	178	3614571	51.33	ug/mL	90
73)	Carbazole	12.276	167	3625952	53.10	ug/mL	94
74)	Di-n-butylphthalate	12.729	149	4208588	50.09	ug/mL	93
75)	Fluoranthene	13.827	202	4182540	53.42	ug/mL	86
77)	Benzidine	14.033	184	2816246	71.92	ug/mL	89
78)	Pyrene	14.233	202	4313786	52.83	ug/mL	93
80)	Butylbenzylphthalate	15.396	149	2308539	57.15	ug/mL	90
81)	bis-2-Ethylhexyladipate	15.531	129	2155316	56.42	ug/mL	94
82)	3,3'-Dichlorobenzidine	16.501	252	1740841	63.80	ug/mL	95
83)	Benzo[a]anthracene	16.554	228	4329979	56.43	ug/mL	97
84)	Chrysene	16.642	228	3865449	56.98	ug/mL	95
85)	bis(2-Ethylhexyl)phtha...	16.577	149	3124908	54.67	ug/mL	89
86)	Di-n-octylphthalate	17.946	149	5133954	51.93	ug/mL	95
88)	Benzo[b]fluoranthene	18.775	252	4530121	60.92	ug/mL	88
89)	Benzo(j,k)fluoranthene	18.845	252	3979772	56.76	ug/mL	88
90)	Benzo[a]pyrene	19.515	252	3819123	60.66	ug/mL	88
91)	Indeno[1,2,3-cd]pyrene	22.688	276	4489485m	67.13	ug/mL	
92)	Dibenz[a,h]anthracene	22.794	278	4220966	65.69	ug/mL	86
93)	Benzo[g,h,i]perylene	23.651	276	4023049	63.38	ug/mL	82

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410014.D
Acq On : 10 Apr 2023 5:21 pm
Operator : JP
Sample : 60 PPM ICAL
Misc : SV6-104-12
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 18 12:06:56 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

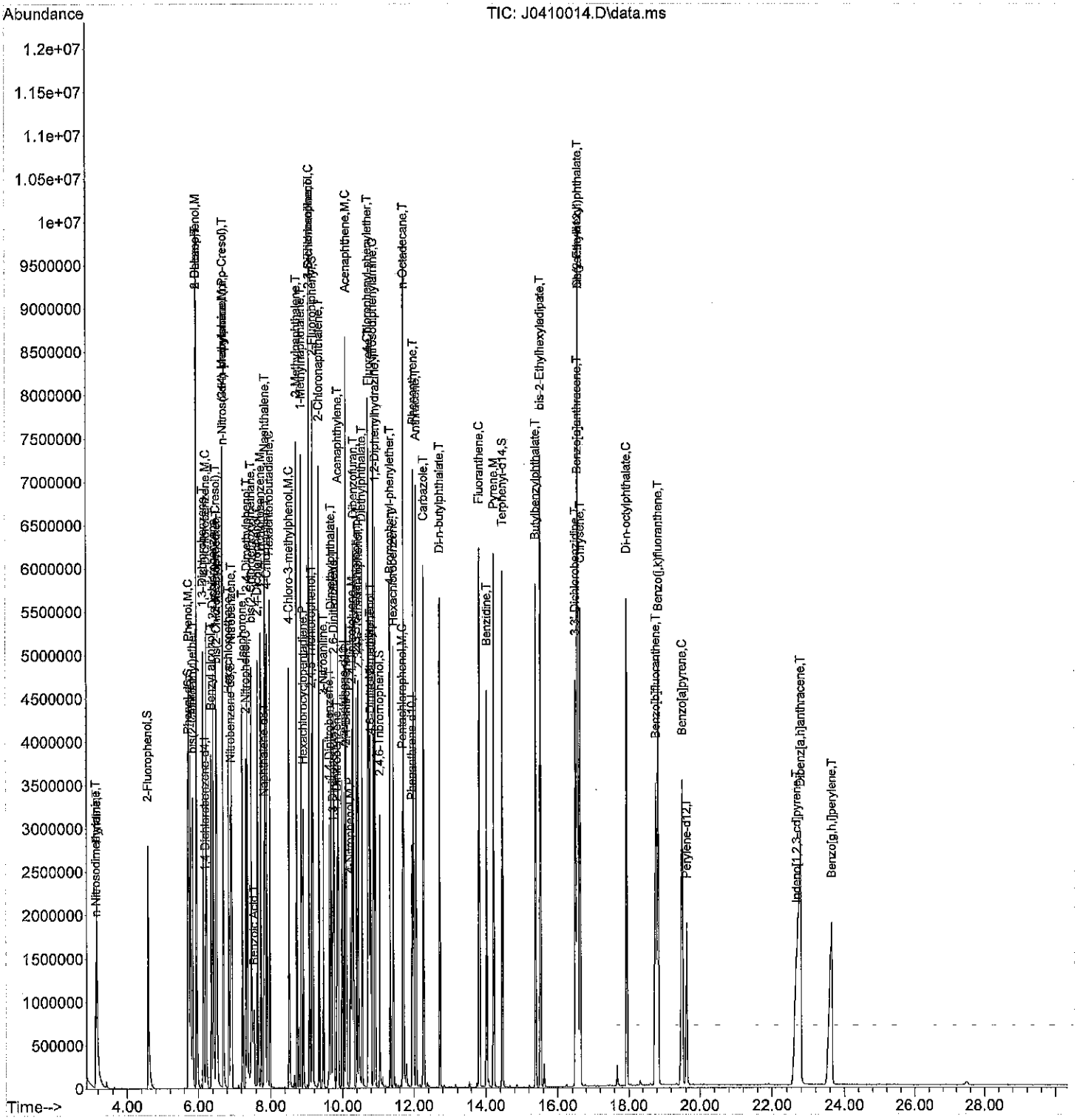
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410014.D
Acq On : 10 Apr 2023 5:21 pm
Operator : JP
Sample : 60 PPM ICAL
Misc : SV6-104-12
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 18 12:06:56 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Corey\DATA\C230411\
Data File : C0411020.D
Acq On : 11 Apr 2023 4:45 pm
Operator : JP
Sample : 10 PPB ICAL
Misc : SV6-103-16
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 12 09:10:30 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Wed Apr 12 08:55:51 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	4.024	136	204214	2000.00	ppb	0.00
5) Acenaphthene-d10	5.261	164	96382	2000.00	ppb	0.00
9) Phenanthrene-d10	6.279	188	175976	2000.00	ppb	0.00
16) Chrysene-d12	8.394	240	143162	2000.00	ppb	0.00
20) Perylene-d12	9.854	264	154690	2000.00	ppb	0.00
System Monitoring Compounds						
6) 2-Fluorobiphenyl	4.800	172	1038	11.01	ppb	0.00
Spiked Amount 1000.000	Range 25 - 89		Recovery =	1.10%#		
10) Pyrene-d10	7.297	212	1125	11.65	ppb	0.00
Spiked Amount 1000.000	Range 40 - 110		Recovery =	1.17%#		
17) Terphenyl-d14	7.461	244	1667	-1.96	ppb	0.00
Spiked Amount 1000.000	Range 39 - 92		Recovery =	-0.20%#		
Target Compounds						Qvalue
2) Naphthalene	4.032	128	1329	9.96	ppb	98
3) 2-Methylnaphthalene	4.533	142	928	10.76	ppb	95
4) 1-Methylnaphthalene	4.603	142	868	10.66	ppb	95
7) Acenaphthylene	5.154	152	1485	11.55	ppb	100
8) Acenaphthene	5.277	153	1006	~~12.52~~	ppb 11.33	100
11) Fluorene	5.639	166	1001	11.03	ppb	100
12) Phenanthrene	6.297	178	1547	12.14	ppb	99
13) Anthracene	6.332	178	1515	11.48	ppb	98
14) Fluoranthene	7.134	202	1912	13.36	ppb	84
15) Pyrene	7.307	202	1963	13.86	ppb	100
18) Benzo[a]anthracene	8.382	228	2180	6.81	ppb	96
19) Chrysene	8.417	228	1671	12.63	ppb	99
21) Benzo[b]fluoranthene	9.471	252	1960	13.48	ppb	91
22) Benzo(j,k)fluoranthene	9.500	252	1648	12.32	ppb	86
23) Benzo[a]pyrene	9.796	252	1577	12.64	ppb	86
24) Indeno(1,2,3-c,d)pyrene	10.878	276	2078	~~15.49~~	ppb 12.14	93
25) Dibenz[a,h]anthracene	10.908	278	1596	12.30	ppb	81
26) Benzo[g,h,i]perylene	11.132	276	1815	13.11	ppb	81

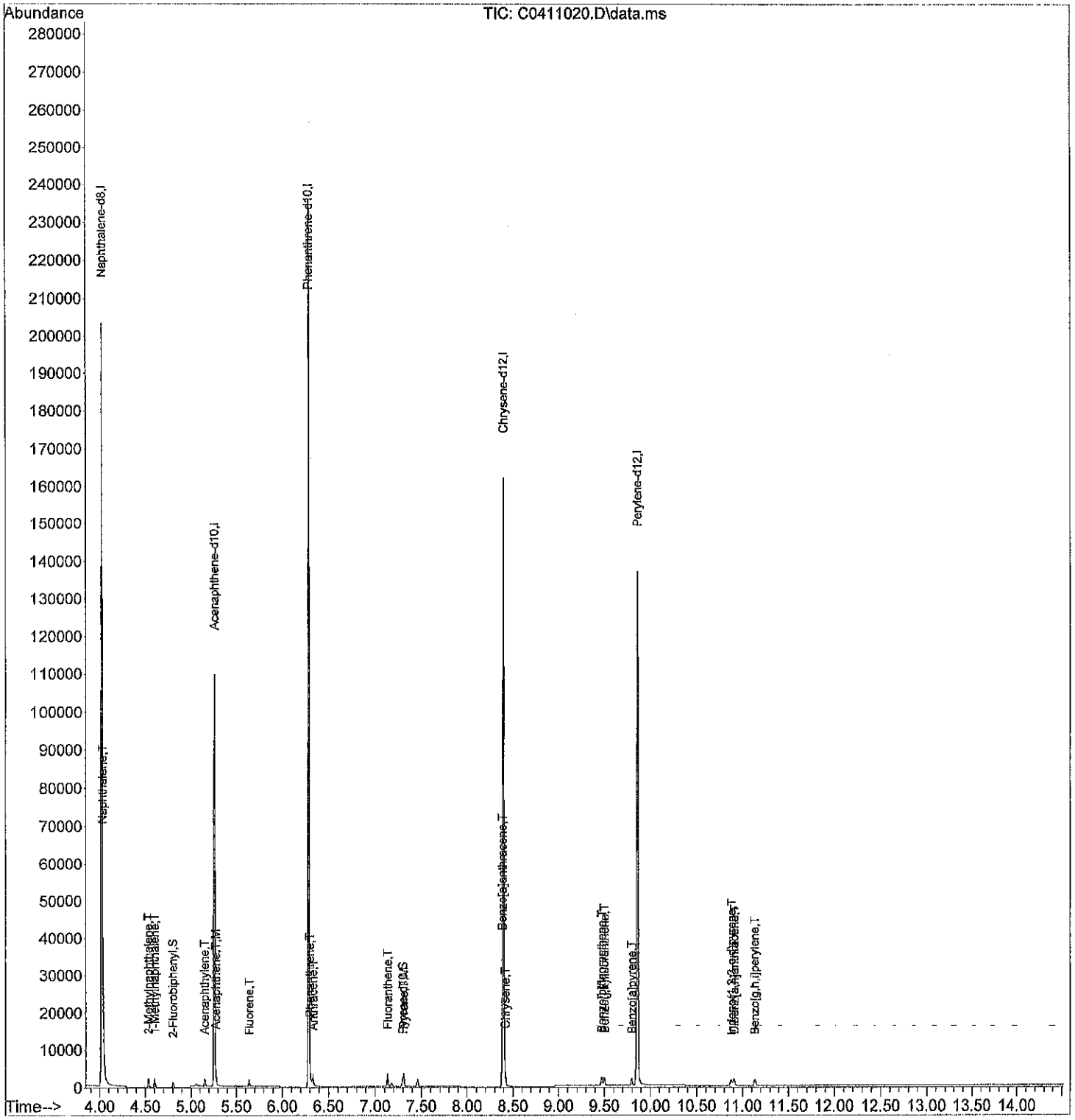
(#) = qualifier out of range (m) = manual integration (+) = signals summed

lowest is 20ppb

JP
4/12/23

Data Path : X:\semivols\Corey\DATA\C230411\
Data File : C0411020.D
Acq On : 11 Apr 2023 4:45 pm
Operator : JP
Sample : 10 PPB ICAL
Misc : SV6-103-16
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 12 09:10:30 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Wed Apr 12 08:55:51 2023
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Corey\DATA\C230411\
Data File : C0411021.D
Acq On : 11 Apr 2023 5:08 pm
Operator : JP
Sample : 20 PPB ICAL
Misc : SV6-103-15
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 12 09:10:57 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Wed Apr 12 08:55:51 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	4.023	136	205182	2000.00	ppb	0.00
5) Acenaphthene-d10	5.255	164	95160	2000.00	ppb	0.00
9) Phenanthrene-d10	6.280	188	175411	2000.00	ppb	0.00
16) Chrysene-d12	8.395	240	144391	2000.00	ppb	0.00
20) Perylene-d12	9.855	264	156510	2000.00	ppb	0.00
System Monitoring Compounds						
6) 2-Fluorobiphenyl	4.804	172	1954	21.00	ppb	0.00
Spiked Amount 1000.000	Range 25 - 89		Recovery =	2.10%#		
10) Pyrene-d10	7.297	212	2268	23.57	ppb	0.00
Spiked Amount 1000.000	Range 40 - 110		Recovery =	2.36%#		
17) Terphenyl-d14	7.461	244	2938	17.13	ppb	0.00
Spiked Amount 1000.000	Range 39 - 92		Recovery =	1.71%#		
Target Compounds						Qvalue
2) Naphthalene	4.039	128	2698	20.13	ppb	99
3) 2-Methylnaphthalene	4.537	142	1796	20.72	ppb	99
4) 1-Methylnaphthalene	4.601	142	1673	20.46	ppb	98
7) Acenaphthylene	5.155	152	2940	~~23.16~~	ppb 21.55	100
8) Acenaphthene	5.278	153	1926	~~24.28~~	ppb 21.46	100
11) Fluorene	5.640	166	1948	21.53	ppb	100
12) Phenanthrene	6.297	178	2902	22.84	ppb	100
13) Anthracene	6.332	178	2903	22.06	ppb	100
14) Fluoranthene	7.134	202	3526	24.72	ppb	91
15) Pyrene	7.307	202	3572	25.30	ppb	99
18) Benzo[a]anthracene	8.383	228	3543	18.55	ppb	99
19) Chrysene	8.418	228	3024	22.66	ppb	100
21) Benzo[b]fluoranthene	9.471	252	3462	23.53	ppb	93
22) Benzo(j,k)fluoranthene	9.500	252	2961	21.87	ppb	88
23) Benzo[a]pyrene	9.797	252	2853	22.60	ppb	89
24) Indeno(1,2,3-c,d)pyrene	10.878	276	3740	~~27.56~~	ppb 21.89	93
25) Dibenz[a,h]anthracene	10.909	278	2862	21.79	ppb	82
26) Benzo[g,h,i]perylene	11.132	276	3218	22.98	ppb	80

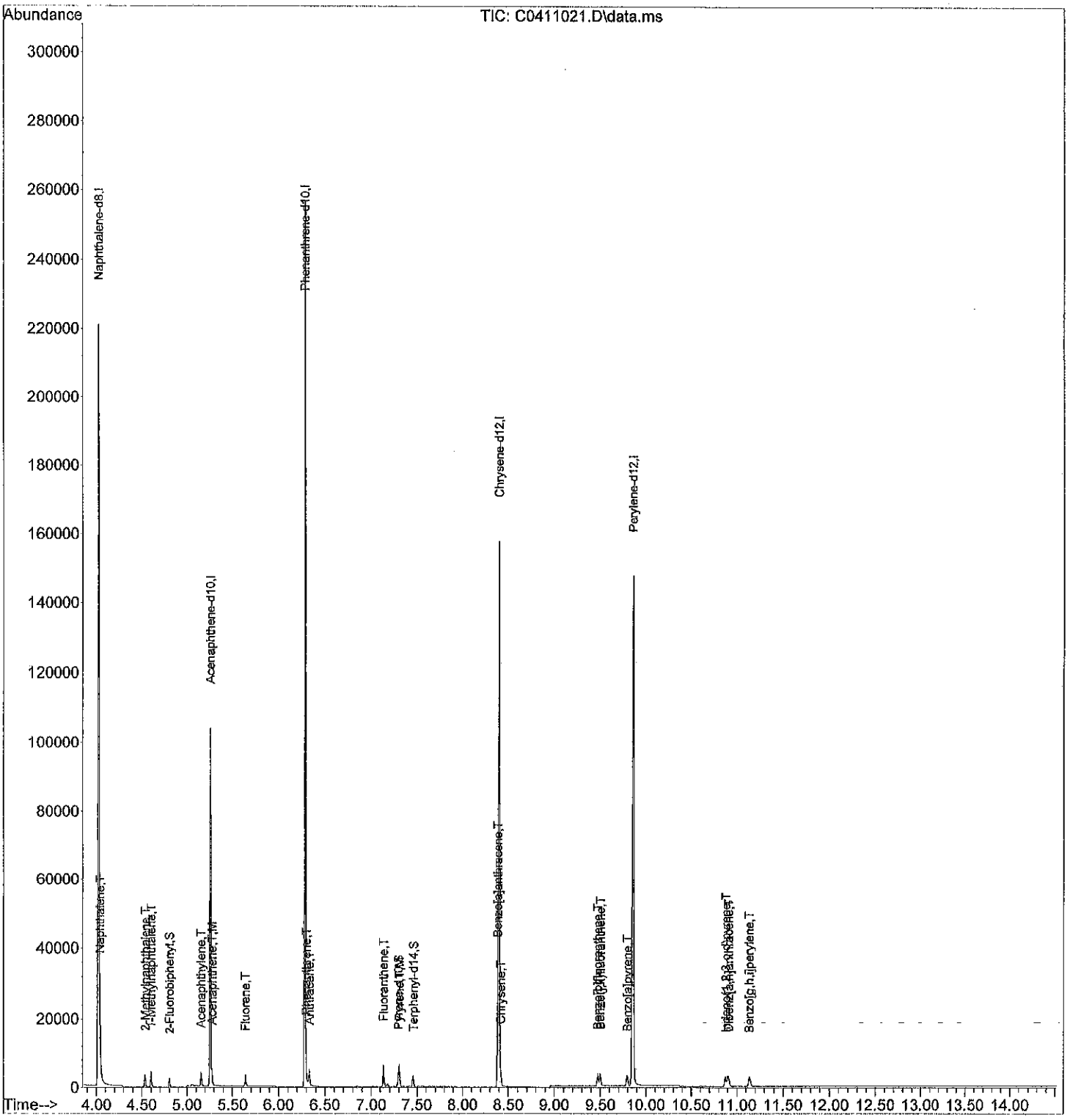
(#) = qualifier out of range (m) = manual integration (+) = signals summed

4/12/23

Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Corey\DATA\C230411\
Data File : C0411021.D
Acq On : 11 Apr 2023 5:08 pm
Operator : JP
Sample : 20 PPB ICAL
Misc : SV6-103-15
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 12 09:10:57 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Wed Apr 12 08:55:51 2023
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Corey\DATA\C230411\
Data File : C0411022.D
Acq On : 11 Apr 2023 5:30 pm
Operator : JP
Sample : 50 PPB ICAL
Misc : SV6-103-14
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 12 09:11:22 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Wed Apr 12 08:55:51 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	4.025	136	204497	2000.00	ppb	0.00
5) Acenaphthene-d10	5.262	164	95944	2000.00	ppb	0.00
9) Phenanthrene-d10	6.279	188	174535	2000.00	ppb	0.00
16) Chrysene-d12	8.394	240	141299	2000.00	ppb	0.00
20) Perylene-d12	9.854	264	153550	2000.00	ppb	0.00
System Monitoring Compounds						
6) 2-Fluorobiphenyl	4.800	172	4718	50.29	ppb	0.00
Spiked Amount 1000.000	Range 25 - 89		Recovery =	5.03%#		
10) Pyrene-d10	7.297	212	4751	49.62	ppb	0.00
Spiked Amount 1000.000	Range 40 - 110		Recovery =	4.96%#		
17) Terphenyl-d14	7.461	244	4301	39.27	ppb	0.00
Spiked Amount 1000.000	Range 39 - 92		Recovery =	3.93%#		
Target Compounds						Qvalue
2) Naphthalene	4.032	128	6437	48.18	ppb	99
3) 2-Methylnaphthalene	4.533	142	4373	50.62	ppb	99
4) 1-Methylnaphthalene	4.603	142	4151	50.93	ppb	99
7) Acenaphthylene	5.154	152	6486	50.68	ppb	100
8) Acenaphthene	5.277	153	4172	52.16	ppb	100
11) Fluorene	5.639	166	4606	51.15	ppb	100
12) Phenanthrene	6.297	178	6407	50.69	ppb	99
13) Anthracene	6.332	178	6660	50.86	ppb	99
14) Fluoranthene	7.134	202	7623	53.71	ppb	94
15) Pyrene	7.307	202	7540	53.67	ppb	98
18) Benzo[a]anthracene	8.383	228	7108	51.03	ppb	98
19) Chrysene	8.417	228	6485	49.65	ppb	100
21) Benzo[b]fluoranthene	9.471	252	7518	52.08	ppb	94
22) Benzo(j,k)fluoranthene	9.500	252	6288	47.34	ppb	87
23) Benzo[a]pyrene	9.796	252	6130	49.50	ppb	89
24) Indeno(1,2,3-c,d)pyrene	10.877	276	8118	~~60.97~~ 48.39	ppb	70
25) Dibenz[a,h]anthracene	10.908	278	6380	49.51	ppb	89
26) Benzo[g,h,i]perylene	11.132	276	6761	49.21	ppb	83

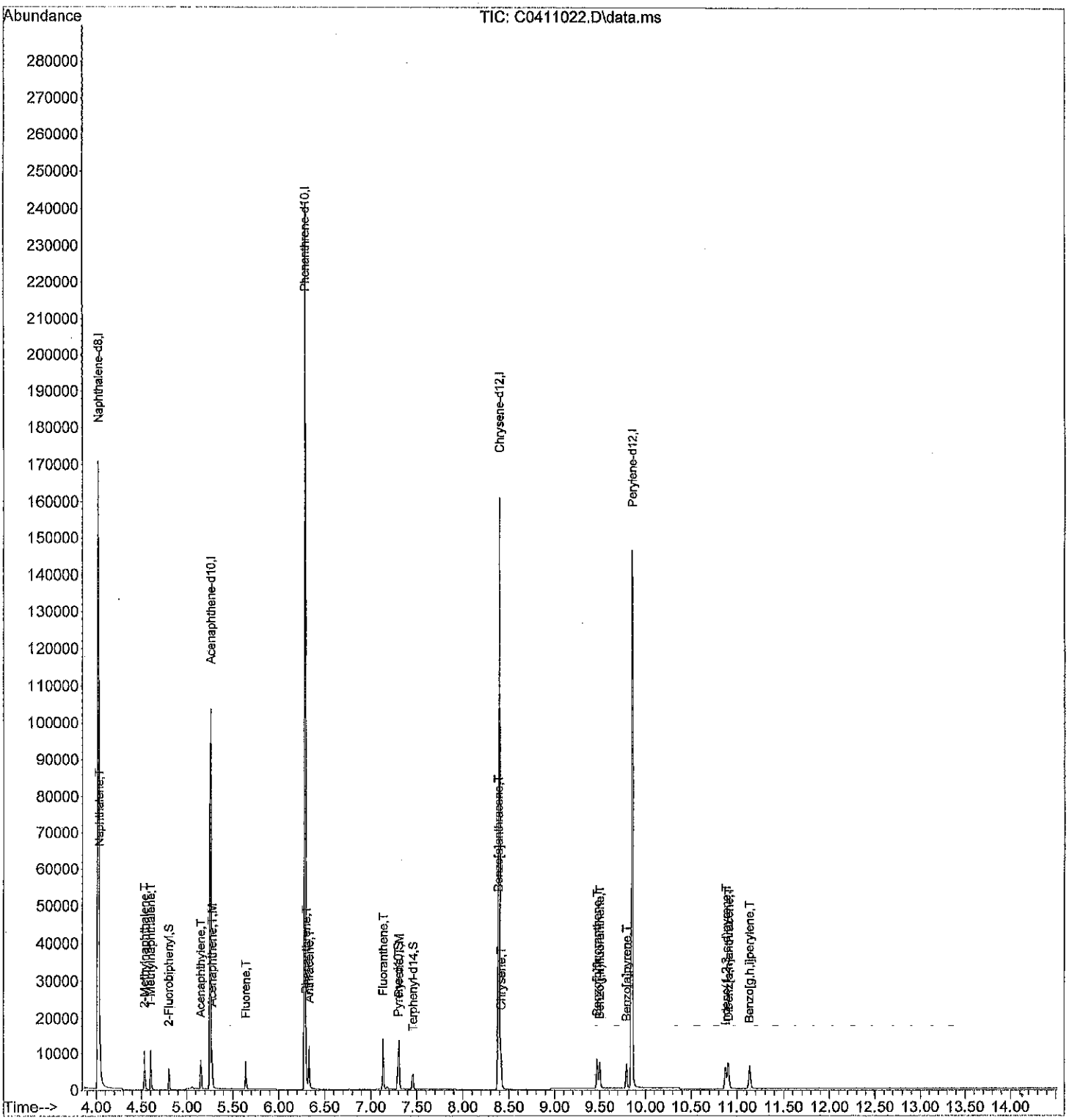
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JP 4/12/23

Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Corey\DATA\C230411\
Data File : C0411022.D
Acq On : 11 Apr 2023 5:30 pm
Operator : JP
Sample : 50 PPB ICAL
Misc : SV6-103-14
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 12 09:11:22 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Wed Apr 12 08:55:51 2023
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Corey\DATA\C230411\
Data File : C0411023.D
Acq On : 11 Apr 2023 5:53 pm
Operator : JP
Sample : 100 PPB ICAL
Misc : SV6-103-13
ALS Vial : 23 Sample Multiplier: 1

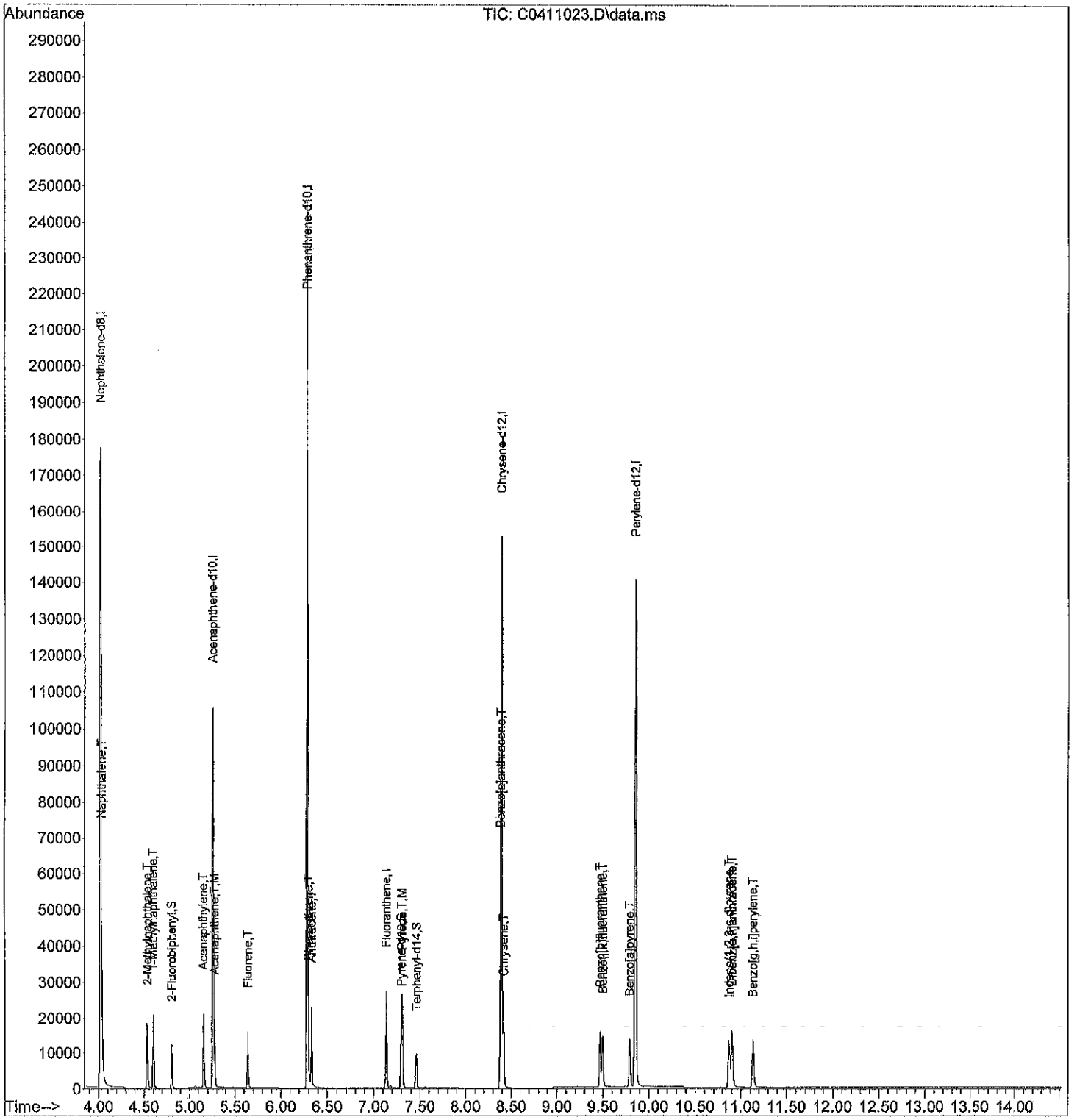
Quant Time: Apr 12 09:11:40 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Wed Apr 12 08:55:51 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	4.025	136	200311	2000.00	ppb	0.00
5) Acenaphthene-d10	5.255	164	94105	2000.00	ppb	0.00
9) Phenanthrene-d10	6.279	188	171313	2000.00	ppb	0.00
16) Chrysene-d12	8.394	240	141259	2000.00	ppb	0.00
20) Perylene-d12	9.854	264	152524	2000.00	ppb	0.00
System Monitoring Compounds						
6) 2-Fluorobiphenyl	4.805	172	9189	99.86	ppb	0.00
Spiked Amount 1000.000	Range 25 - 89		Recovery = 9.99%#			
10) Pyrene-d10	7.297	212	9691	103.12	ppb	0.00
Spiked Amount 1000.000	Range 40 - 110		Recovery = 10.31%#			
17) Terphenyl-d14	7.461	244	9264	116.38	ppb	0.00
Spiked Amount 1000.000	Range 39 - 92		Recovery = 11.64%#			
Target Compounds						Qvalue
2) Naphthalene	4.032	128	12843	98.13	ppb	100
3) 2-Methylnaphthalene	4.537	142	8586	101.46	ppb	98
4) 1-Methylnaphthalene	4.601	142	8135	101.89	ppb	99
7) Acenaphthylene	5.154	152	13628	108.57	ppb	100
8) Acenaphthene	5.278	153	8062	102.77	ppb	100
11) Fluorene	5.640	166	9219	104.31	ppb	100
12) Phenanthrene	6.297	178	12625	101.76	ppb	98
13) Anthracene	6.332	178	13313	103.59	ppb	100
14) Fluoranthene	7.134	202	15091	108.33	ppb	94
15) Pyrene	7.307	202	15007	108.83	ppb	100
18) Benzo[a]anthracene	8.383	228	13668	109.59	ppb	98
19) Chrysene	8.418	228	12937	99.08	ppb	100
21) Benzo[b]fluoranthene	9.471	252	13614	94.94	ppb	90
22) Benzo(j,k)fluoranthene	9.500	252	13687	103.74	ppb	93
23) Benzo[a]pyrene	9.791	252	12133	98.64	ppb	91
24) Indeno(1,2,3-c,d)pyrene	10.870	276	15781	~~119.31~~ 118.38	ppb	96
25) Dibenz[a,h]anthracene	10.901	278	12654	98.87	ppb	88
26) Benzo[g,h,i]perylene	11.132	276	13229	96.93	ppb	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : X:\semivols\Corey\DATA\C230411\
Data File : C0411023.D
Acq On : 11 Apr 2023 5:53 pm
Operator : JP
Sample : 100 PPB ICAL
Misc : SV6-103-13
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Apr 12 09:11:40 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Wed Apr 12 08:55:51 2023
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Corey\DATA\C230411\
Data File : C0411024.D
Acq On : 11 Apr 2023 6:15 pm
Operator : JP
Sample : 200 PPB ICAL
Misc : SV6-103-12
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Apr 12 09:11:57 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Wed Apr 12 08:55:51 2023
Response via : Initial Calibration

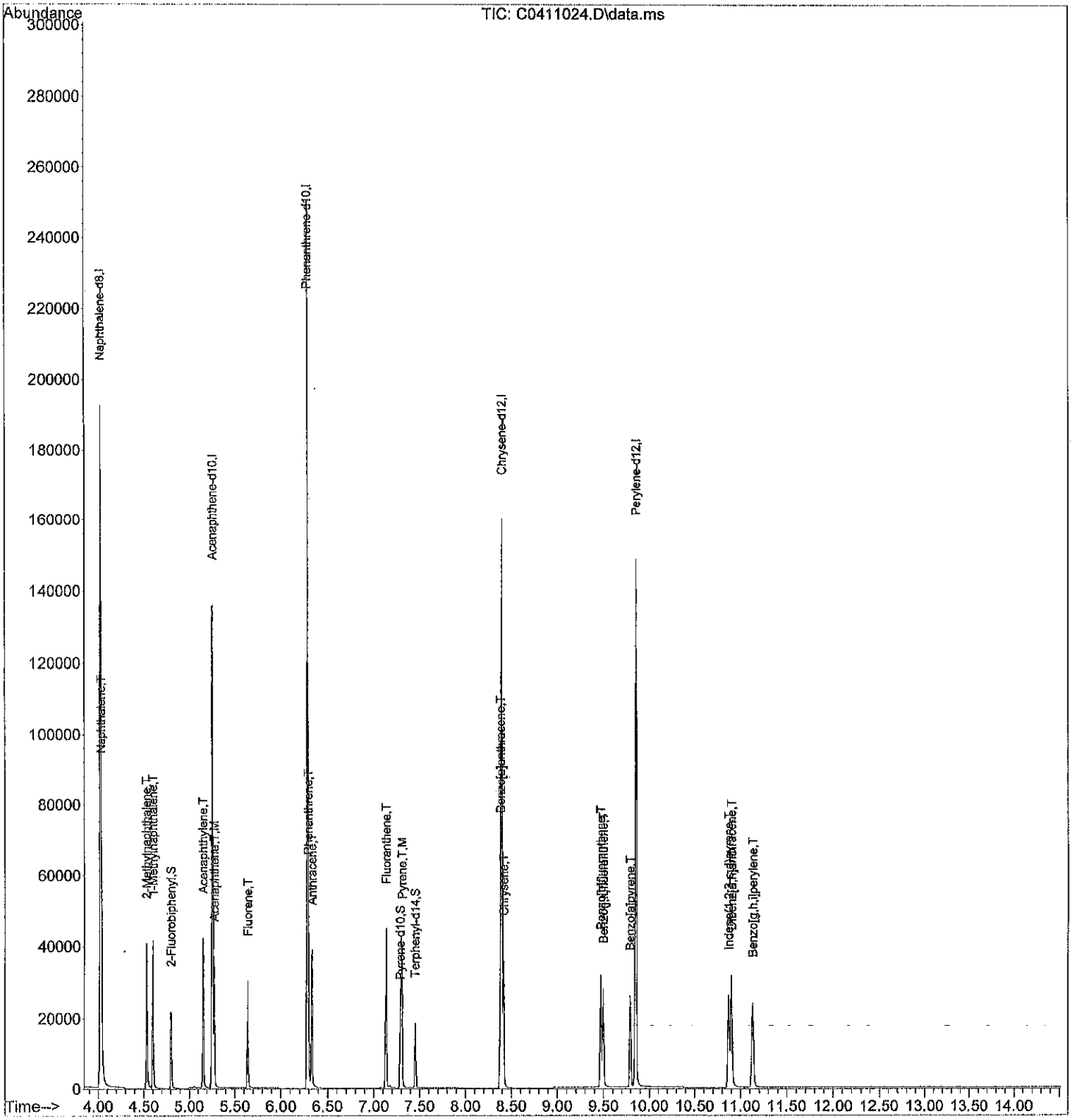
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	4.024	136	200611	2000.00	ppb	0.00
5) Acenaphthene-d10	5.255	164	94968	2000.00	ppb	0.00
9) Phenanthrene-d10	6.280	188	172378	2000.00	ppb	0.00
16) Chrysene-d12	8.393	240	138836	2000.00	ppb	0.00
20) Perylene-d12	9.853	264	152574	2000.00	ppb	0.00
System Monitoring Compounds						
6) 2-Fluorobiphenyl	4.799	172	19744	212.62	ppb	0.00
Spiked Amount 1000.000	Range 25 - 89		Recovery = 21.26%#			
10) Pyrene-d10	7.288	212	18146	191.89	ppb	0.00
Spiked Amount 1000.000	Range 40 - 110		Recovery = 19.19%#			
17) Terphenyl-d14	7.451	244	15271	213.81	ppb	0.00
Spiked Amount 1000.000	Range 39 - 92		Recovery = 21.38%#			
Target Compounds						Qvalue
2) Naphthalene	4.032	128	28557	217.88	ppb	98
3) 2-Methylnaphthalene	4.532	142	17011	200.71	ppb	99
4) 1-Methylnaphthalene	4.602	142	16118	201.57	ppb	99
7) Acenaphthylene	5.155	152	26425	208.61	ppb	100
8) Acenaphthene	5.278	153	16031	202.50	ppb	100
11) Fluorene	5.640	166	18151	204.11	ppb	100
12) Phenanthrene	6.292	178	24247	194.22	ppb	98
13) Anthracene	6.332	178	25748	199.10	ppb	98
14) Fluoranthene	7.134	202	27777	198.17	ppb	92
15) Pyrene	7.307	202	27183	195.91	ppb	99
18) Benzo[a]anthracene	8.382	228	25819	222.04	ppb	97
19) Chrysene	8.417	228	25074	195.38	ppb	100
21) Benzo[b]fluoranthene	9.470	252	26309	183.40	ppb	90
22) Benzo(j,k)fluoranthene	9.499	252	26402	200.05	ppb	92
23) Benzo[a]pyrene	9.790	252	23566	191.52	ppb	90
24) Indeno(1,2,3-c,d)pyrene	10.869	276	30576	~~231.09~~ 191.80	ppb	95
25) Dibenz[a,h]anthracene	10.900	278	24845	194.05	ppb	88
26) Benzo[g,h,i]perylene	11.131	276	25892	189.64	ppb	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

JP 4/12/23

Data Path : X:\semivols\Corey\DATA\C230411\
Data File : C0411024.D
Acq On : 11 Apr 2023 6:15 pm
Operator : JP
Sample : 200 PPB ICAL
Misc : SV6-103-12
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Apr 12 09:11:57 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Wed Apr 12 08:55:51 2023
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Corey\DATA\C230411\
Data File : C0411025.D
Acq On : 11 Apr 2023 6:38 pm
Operator : JP
Sample : 500 PPB ICAL
Misc : SV6-103-11
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 12 09:12:12 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Wed Apr 12 08:55:51 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	4.024	136	200849	2000.00	ppb	0.00
5) Acenaphthene-d10	5.261	164	94783	2000.00	ppb	0.00
9) Phenanthrene-d10	6.278	188	170948	2000.00	ppb	0.00
16) Chrysene-d12	8.393	240	139259	2000.00	ppb	0.00
20) Perylene-d12	9.854	264	153079	2000.00	ppb	0.00
System Monitoring Compounds						
6) 2-Fluorobiphenyl	4.799	172	46967	506.76	ppb	0.00
Spiked Amount 1000.000	Range 25 - 89		Recovery = 50.68%			
10) Pyrene-d10	7.288	212	43557	464.45	ppb	0.00
Spiked Amount 1000.000	Range 40 - 110		Recovery = 46.45%			
17) Terphenyl-d14	7.452	244	35535	532.34	ppb	0.00
Spiked Amount 1000.000	Range 39 - 92		Recovery = 53.23%			
Target Compounds						Qvalue
2) Naphthalene	4.031	128	66952	510.20	ppb	99
3) 2-Methylnaphthalene	4.532	142	40775	480.53	ppb	98
4) 1-Methylnaphthalene	4.602	142	38508	481.01	ppb	98
7) Acenaphthylene	5.153	152	60000	474.59	ppb	100
8) Acenaphthene	5.276	153	38271	484.38	ppb	100
11) Fluorene	5.638	166	42935	486.84	ppb	100
12) Phenanthrene	6.296	178	58108	469.35	ppb	98
13) Anthracene	6.331	178	61851	482.28	ppb	98
14) Fluoranthene	7.134	202	65996	474.77	ppb	91
15) Pyrene	7.307	202	63962	464.83	ppb	99
18) Benzo[a]anthracene	8.382	228	61882	547.78	ppb	97
19) Chrysene	8.416	228	59918	465.47	ppb	98
21) Benzo[b]fluoranthene	9.470	252	63509	441.27	ppb	89
22) Benzo(j,k)fluoranthene	9.499	252	63467	479.30	ppb	91
23) Benzo[a]pyrene	9.790	252	57046	462.09	ppb	89
24) Indeno(1,2,3-c,d)pyrene	10.869	276	74982	~~564.85~~ 468.19	ppb	95
25) Dibenz[a,h]anthracene	10.900	278	60170	468.41	ppb	86
26) Benzo[g,h,i]perylene	11.131	276	62457	455.95	ppb	83

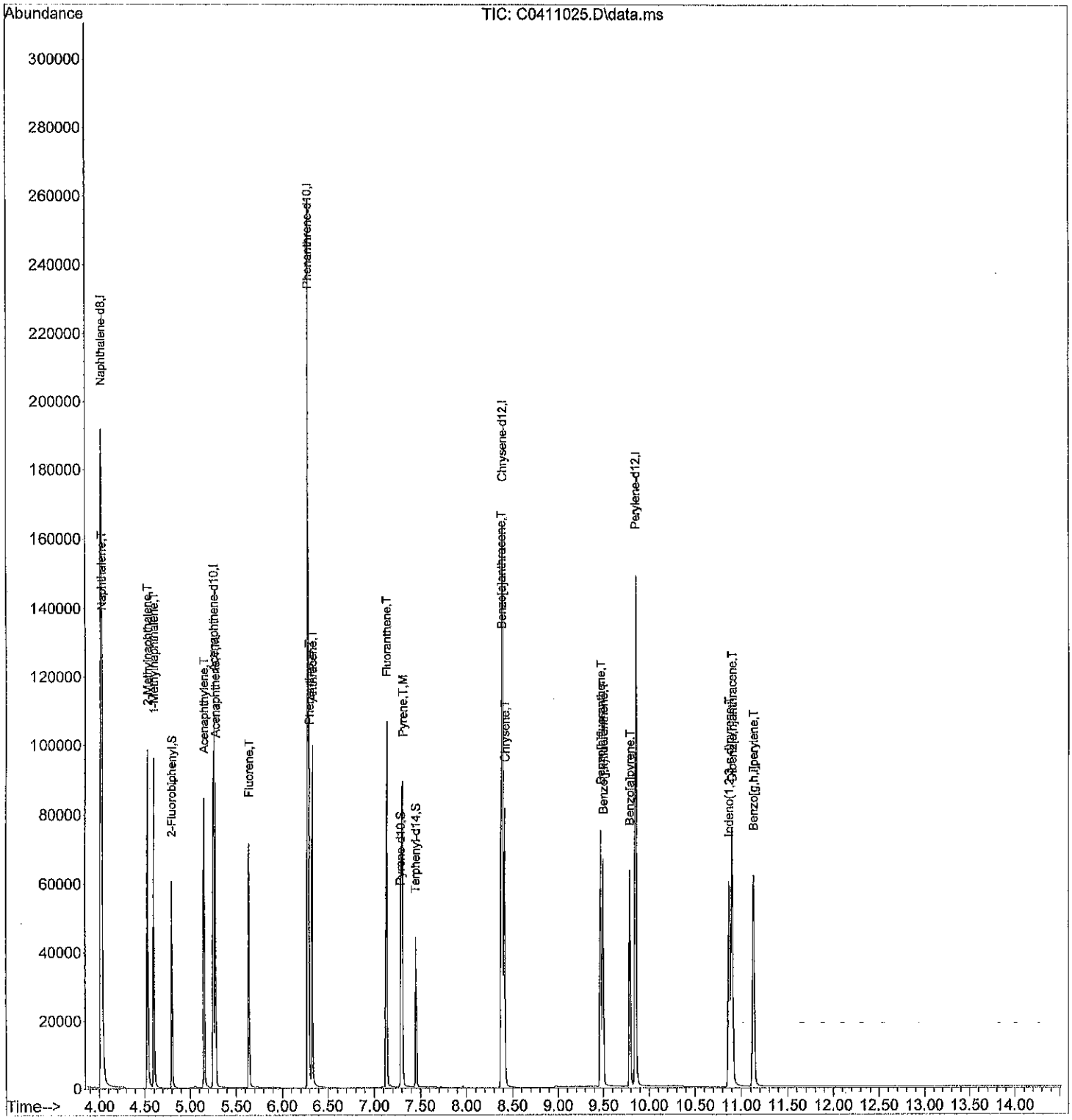
JP 4/12/23

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Corey\DATA\C230411\
Data File : C0411025.D
Acq On : 11 Apr 2023 6:38 pm
Operator : JP
Sample : 500 PPB ICAL
Misc : SV6-103-11
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 12 09:12:12 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Wed Apr 12 08:55:51 2023
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Corey\DATA\C230411\
Data File : C0411026.D
Acq On : 11 Apr 2023 7:00 pm
Operator : JP
Sample : 1000 PPB ICAL
Misc : SV6-103-10
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Apr 12 09:12:30 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Wed Apr 12 08:55:51 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	4.024	136	188511	2000.00	ppb	0.00
5) Acenaphthene-d10	5.261	164	93798	2000.00	ppb	0.00
9) Phenanthrene-d10	6.279	188	169969	2000.00	ppb	0.00
16) Chrysene-d12	8.394	240	138731	2000.00	ppb	0.00
20) Perylene-d12	9.848	264	152268	2000.00	ppb	0.00
System Monitoring Compounds						
6) 2-Fluorobiphenyl	4.799	172	84723	923.74	ppb	0.00
Spiked Amount 1000.000	Range 25 - 89		Recovery = 92.37%#			
10) Pyrene-d10	7.288	212	86029	922.61	ppb	0.00
Spiked Amount 1000.000	Range 40 - 110		Recovery = 92.26%			
17) Terphenyl-d14	7.452	244	70530	1087.91	ppb	0.00
Spiked Amount 1000.000	Range 39 - 92		Recovery = 108.79%#			
Target Compounds						Qvalue
2) Naphthalene	4.032	128	129553	1051.87	ppb	100
3) 2-Methylnaphthalene	4.532	142	80501	1010.79	ppb	98
4) 1-Methylnaphthalene	4.602	142	75888	1009.98	ppb	98
7) Acenaphthylene	5.153	152	117021	935.33	ppb	100
8) Acenaphthene	5.276	153	76241	975.08	ppb	100
11) Fluorene	5.638	166	83959	957.49	ppb	100
12) Phenanthrene	6.296	178	114536	930.46	ppb	97
13) Anthracene	6.331	178	121630	953.86	ppb	97
14) Fluoranthene	7.135	202	130258	942.46	ppb	91
15) Pyrene	7.308	202	127332	930.69	ppb	99
18) Benzo[a]anthracene	8.382	228	123082	1106.02	ppb	97
19) Chrysene	8.411	228	118373	923.08	ppb	97
21) Benzo[b]fluoranthene	9.471	252	127387	889.82	ppb	88
22) Benzo(j,k)fluoranthene	9.500	252	124091	942.12	ppb	90
23) Benzo[a]pyrene	9.790	252	114043	928.71	ppb	89
24) Indeno(1,2,3-c,d)pyrene	10.869	276	150254	~~1137.90~~	ppb	94
25) Dibenz[a,h]anthracene	10.900	278	121703	952.47	ppb	85
26) Benzo[g,h,i]perylene	11.132	276	124953	917.04	ppb	82

(949.4)

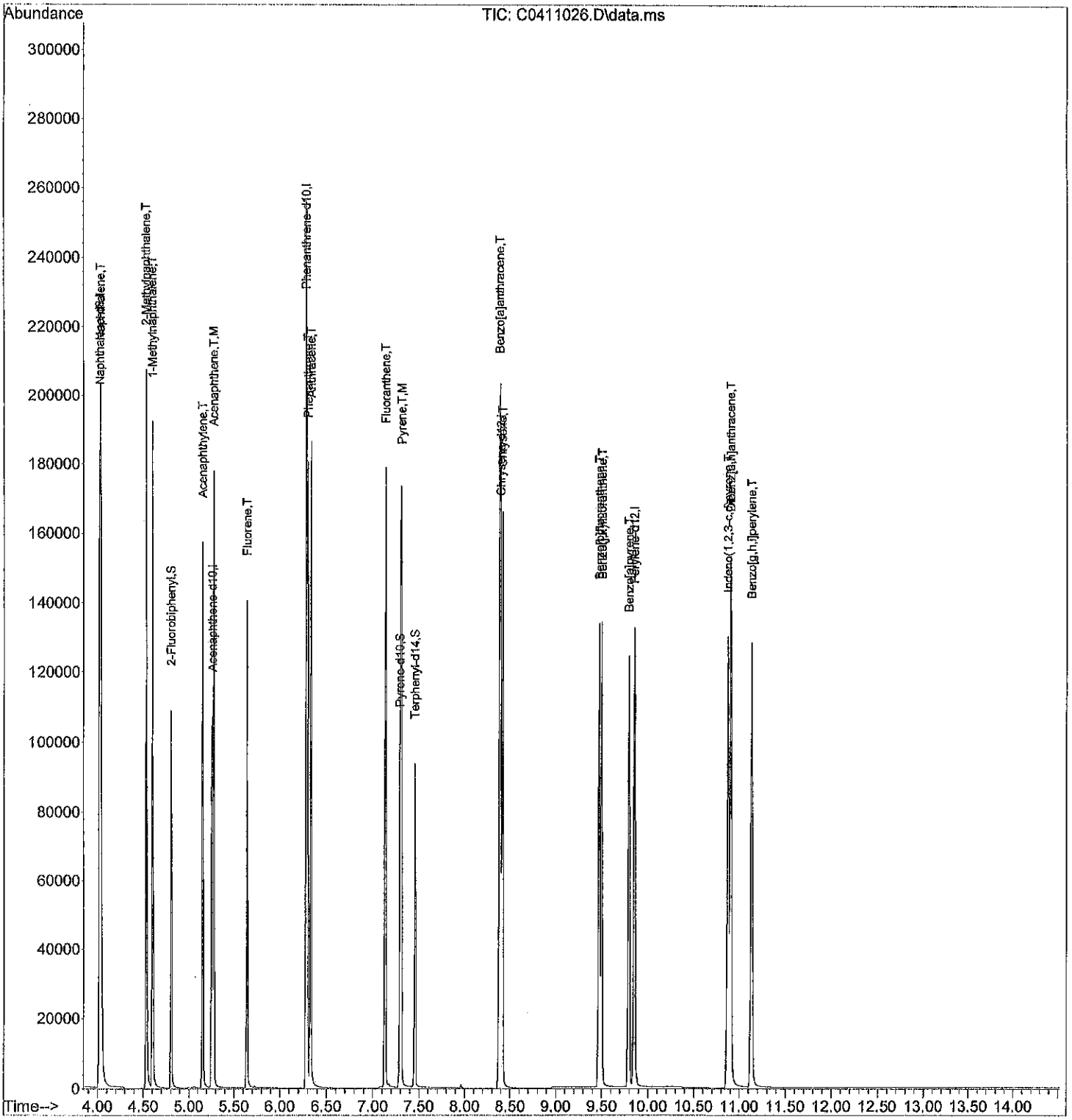
JP 4/12/23

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Corey\DATA\C230411\
Data File : C0411026.D
Acq On : 11 Apr 2023 7:00 pm
Operator : JP
Sample : 1000 PPB ICAL
Misc : SV6-103-10
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Apr 12 09:12:30 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Wed Apr 12 08:55:51 2023
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Corey\DATA\C230411\
Data File : C0411027.D
Acq On : 11 Apr 2023 7:23 pm
Operator : JP
Sample : 5000 PPB ICAL
Misc : SV6-103-09
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 12 09:12:48 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Wed Apr 12 08:55:51 2023
Response via : Initial Calibration

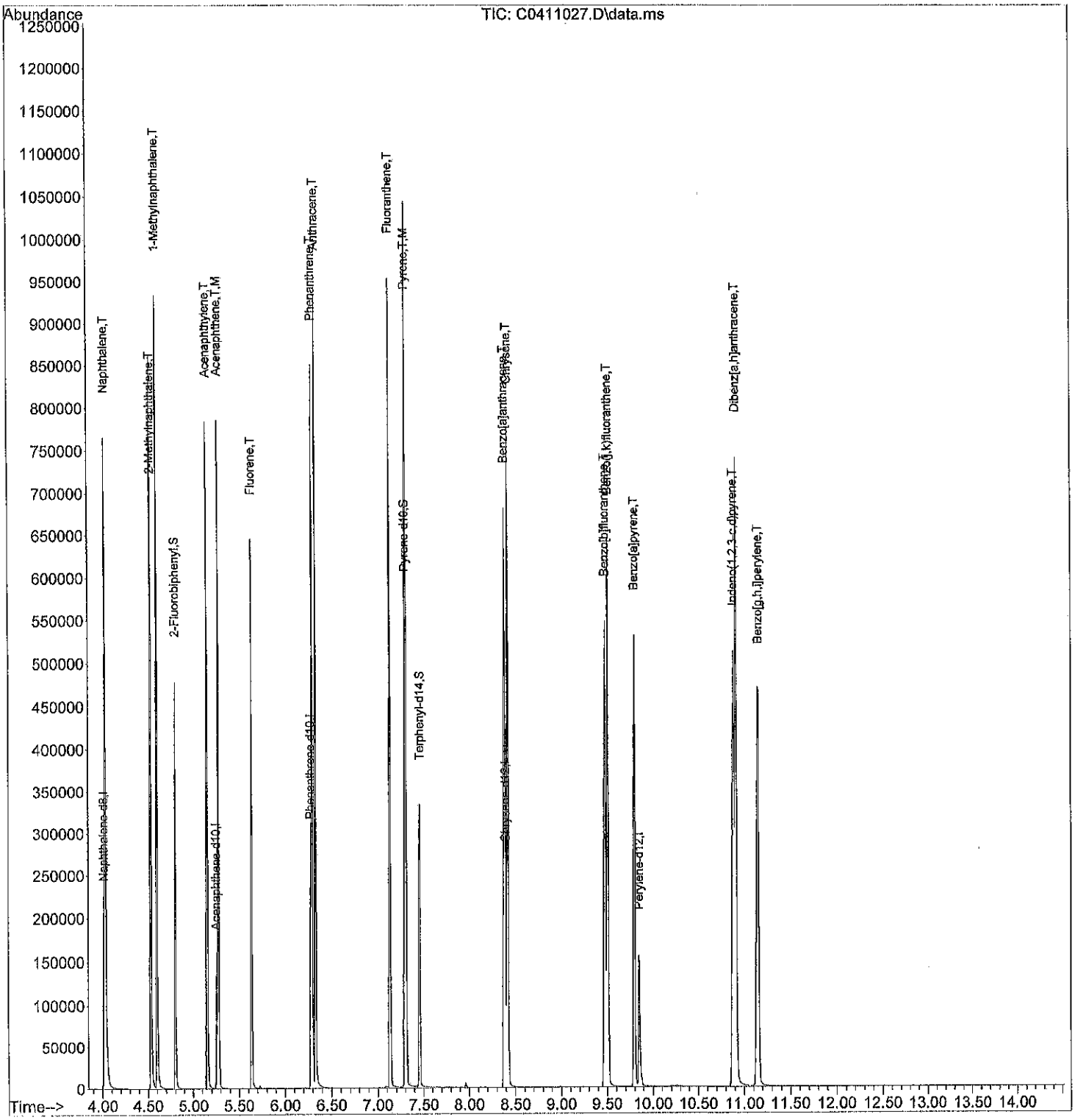
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	4.017	136	191019	2000.00	ppb	0.00
5) Acenaphthene-d10	5.255	164	96405	2000.00	ppb	0.00
9) Phenanthrene-d10	6.280	188	175936	2000.00	ppb	0.00
16) Chrysene-d12	8.399	240	145096	2000.00	ppb	0.00
20) Perylene-d12	9.853	264	158833	2000.00	ppb	0.00
System Monitoring Compounds						
6) 2-Fluorobiphenyl	4.805	172	397730	4219.21	ppb	0.00
Spiked Amount 1000.000	Range 25 - 89		Recovery = 421.92%#			
10) Pyrene-d10	7.297	212	396592	4108.97	ppb	0.00
Spiked Amount 1000.000	Range 40 - 110		Recovery = 410.90%#			
17) Terphenyl-d14	7.461	244	323432	4863.15	ppb	0.00
Spiked Amount 1000.000	Range 39 - 92		Recovery = 486.31%#			
Target Compounds						Qvalue
2) Naphthalene	4.033	128	556067	4455.54	ppb	96
3) 2-Methylnaphthalene	4.538	142	357580	4430.89	ppb	97
4) 1-Methylnaphthalene	4.602	142	340141	4467.45	ppb	97
7) Acenaphthylene	5.155	152	488448	3798.51	ppb	100
8) Acenaphthene	5.278	153	329821	4104.14	ppb	100
11) Fluorene	5.640	166	364523	4016.11	ppb	100
12) Phenanthrene	6.297	178	492046	3861.70	ppb	91
13) Anthracene	6.332	178	516322	3911.85	ppb	91
14) Fluoranthene	7.134	202	517576	3617.84	ppb	77
15) Pyrene	7.307	202	519406	3667.66	ppb	89
18) Benzo[a]anthracene	8.387	228	556001	4818.19	ppb	93
19) Chrysene	8.422	228	529577	3948.51	ppb	93
21) Benzo[b]fluoranthene	9.482	252	594151	3978.69	ppb	84
22) Benzo(j,k)fluoranthene	9.511	252	542472	3948.32	ppb	86
23) Benzo[a]pyrene	9.801	252	524367	4093.68	ppb	85
24) Indeno(1,2,3-c,d)pyrene	10.885	276	700201	~~5083.59~~ 4412.96	ppb	87
25) Dibenz[a,h]anthracene	10.915	278	561409	4212.10	ppb	81
26) Benzo[g,h,i]perylene	11.154	276	575247	4047.28	ppb	78

JP 4/12/23

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : X:\semivols\Corey\DATA\C230411\
Data File : C0411027.D
Acq On : 11 Apr 2023 7:23 pm
Operator : JP
Sample : 5000 PPB ICAL
Misc : SV6-103-09
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 12 09:12:48 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Wed Apr 12 08:55:51 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410017.D Vial: 17
Acq On : 10 Apr 2023 6:04 pm Operator: JP
Sample : ICV Inst : Ralph
Misc : SV6-105-01 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:31 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230228

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	832848	25.00	ug/mL	0.00
20) Naphthalene-d8	7.96	136	3089787	25.00	ug/mL	0.00
35) Acenaphthene-d10	10.18	164	1593079	25.00	ug/mL	0.00
61) Phenanthrene-d10	12.09	188	2297525	25.00	ug/mL	0.00
75) Chrysene-d12	16.70	240	1814396	25.00	ug/mL	0.00
86) Perylene-d12	19.78	264	1998450	25.00	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.73	112	967011	19.69	ug/mL	0.00
Spiked Amount 40.000	Range 21 - 110		Recovery = 49.23%			
5) Phenol-d6	5.85	99	1209803	19.74	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 110		Recovery = 49.35%			
21) Nitrobenzene-d5	7.04	82	971100	20.02	ug/mL	0.00
Spiked Amount 40.000	Range 35 - 114		Recovery = 50.05%			
40) 2-Fluorobiphenyl	9.31	172	1579787	20.22	ug/mL	0.00
Spiked Amount 40.000	Range 43 - 116		Recovery = 50.55%			
65) 2,4,6-Tribromophenol	11.18	330	232755	21.38	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 123		Recovery = 53.45%			
78) Terphenyl-d14	14.59	244	1464706	20.07	ug/mL	0.00
Spiked Amount 40.000	Range 33 - 141		Recovery = 50.18%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.24	42	432097	19.97	ug/mL#	26
3) Pyridine	3.28	79	1137002	20.80	ug/mL	91
6) Phenol	5.87	94	1307198	20.32	ug/mL	87
7) Aniline	5.93	93	1523986	20.38	ug/mL	98
8) bis(2-Chloroethyl)ether	5.98	93	1126416	20.18	ug/mL	93
9) 2-Chlorophenol	6.09	128	940032	20.08	ug/mL	96
10) n-Decane	6.11	43	1157538	19.26	ug/mL	82
11) 1,3-Dichlorobenzene	6.29	146	1048782	19.79	ug/mL	98
12) 1,4-Dichlorobenzene	6.37	146	1058988	19.76	ug/mL	97
13) Benzyl alcohol	6.50	108	652902	21.04	ug/mL	84
14) 1,2-Dichlorobenzene	6.56	146	997664	19.80	ug/mL	98
15) 2-Methylphenol (o-Cresol)	6.62	107	799726	20.13	ug/mL	91
16) bis(2-Chloroisopropyl)ethe	6.66	45	1869442	20.41	ug/mL	87
17) (3+4)-Methylphenol (m,p-Cr	6.82	107	1020565	20.26	ug/mL	93
18) n-Nitroso-di-n-propylamine	6.83	70	705875	20.00	ug/mL#	79
19) Hexachloroethane	7.00	117	415117	20.24	ug/mL	92
22) Nitrobenzene	7.06	77	903500	20.03	ug/mL	90
23) Isophorone	7.36	82	1899510	20.01	ug/mL	97
24) 2-Nitrophenol	7.46	139	567556	21.35	ug/mL	89
25) 2,4-Dimethylphenol	7.49	122	753486	20.23	ug/mL	98
26) bis(2-Chloroethoxy)methane	7.61	93	1217176	20.11	ug/mL	97
27) 2,4-Dichlorophenol	7.78	162	741754	20.63	ug/mL	99
28) 1,2,4-Trichlorobenzene	7.88	180	748513	20.03	ug/mL	97
29) Naphthalene	7.99	128	2593951	20.11	ug/mL#	99
30) 4-Chloroaniline	8.04	65	297916	20.24	ug/mL#	86
31) Hexachlorobutadiene	8.14	225	345711	19.86	ug/mL	99
32) 4-Chloro-3-methylphenol	8.63	107	737361	20.86	ug/mL	99
33) 2-Methylnaphthalene	8.86	142	1548657	19.94	ug/mL	95
34) 1-Methylnaphthalene	8.99	142	1475537	20.31	ug/mL	94
36) Hexachlorocyclopentadiene	9.06	237	288416	19.12	ug/mL	99
37) 2,4,6-Trichlorophenol	9.20	196	429935	21.89	ug/mL	98
38) 2,3-Dichloroaniline	9.21	161	819218	19.69	ug/mL	95
39) 2,4,5-Trichlorophenol	9.26	196	486225	21.19	ug/mL	97
41) 2-Chloronaphthalene	9.48	162	1510395	20.21	ug/mL	98

(#) = qualifier out of range (m) = manual integration

JP 4/18/23

Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410017.D Vial: 17
Acq On : 10 Apr 2023 6:04 pm Operator: JP
Sample : ICV Inst : Ralph
Misc : SV6-105-01 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:31 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230228

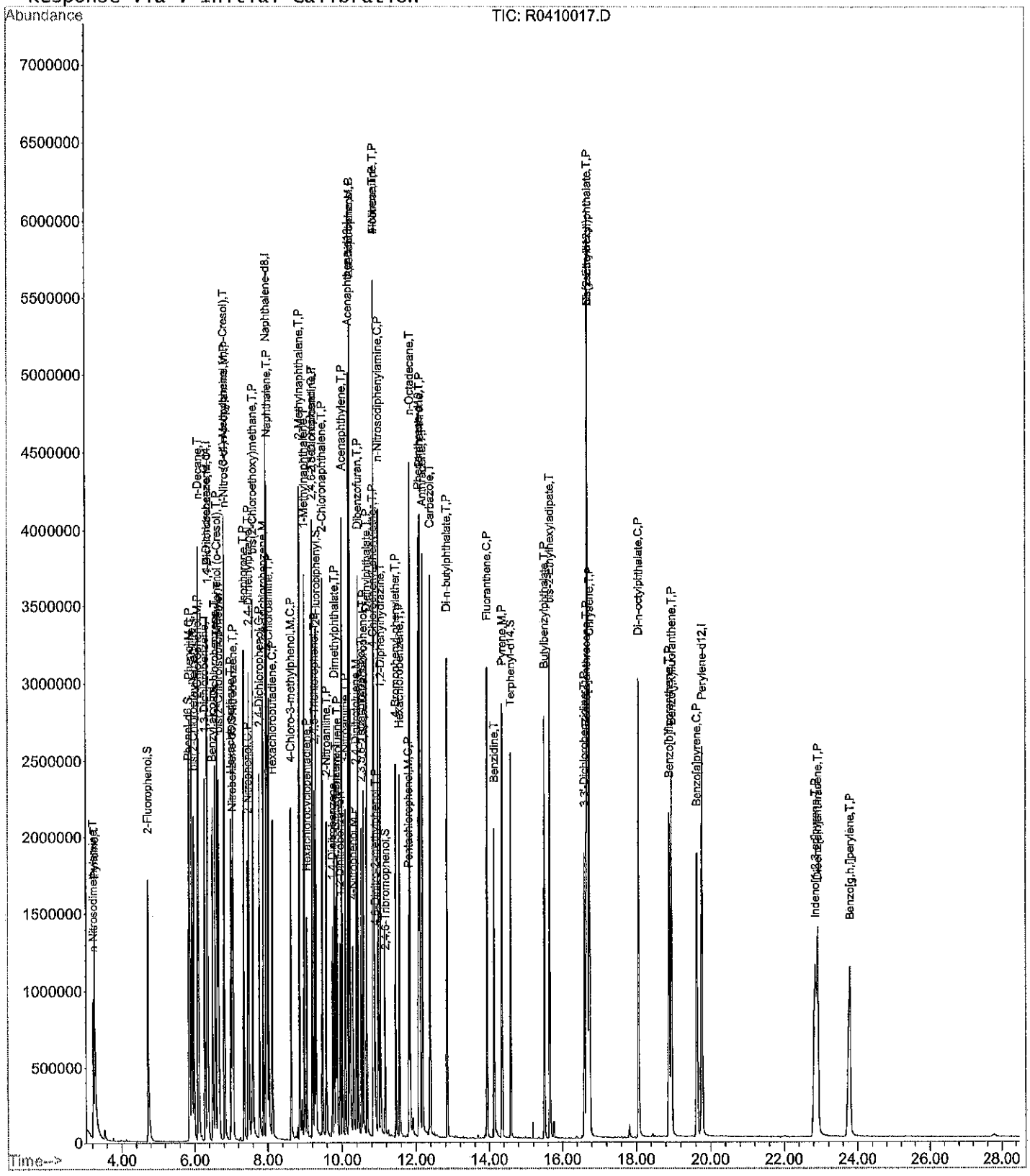
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42) 2-Nitroaniline	9.59	65	474718	20.67	ug/mL#	81
43) 1,4-Dinitrobenzene	9.75	168	338675	22.39	ug/mL	84
44) Dimethylphthalate	9.81	163	1630203	19.69	ug/mL	99
45) 1,3-Dinitrobenzene	9.85	168	372724	21.09	ug/mL#	84
46) 2,6-Dinitrotoluene	9.89	165	453572	20.99	ug/mL	81
47) 1,2-Dinitrobenzene	9.96	168	241153	20.81	ug/mL#	75
48) Acenaphthylene	10.01	152	2205527	19.82	ug/mL	96
49) 3-Nitroaniline	10.10	138	516901	20.65	ug/mL	96
50) 2,4-Dinitrophenol	10.23	184	194814	19.64	ug/mL#	59
51) Acenaphthene	10.23	154	1385185	20.03	ug/mL	93
52) 4-Nitrophenol	10.31	65	260995	19.43	ug/mL#	1
53) 2,4-Dinitrotoluene	10.39	165	582719	20.68	ug/mL#	69
54) Dibenzofuran	10.44	168	1958571	19.73	ug/mL	99
55) 2,3,5,6-Tetrachlorophenol	10.53	232	337922	19.59	ug/mL	95
56) 2,3,4,6-Tetrachlorophenol	10.58	232	348616	21.47	ug/mL	92
57) Diethylphthalate	10.68	149	1580225	20.06	ug/mL	98
58) 4-Chlorophenyl-phenylether	10.85	204	648449	19.93	ug/mL	95
59) 4-Nitroaniline	10.87	138	506382	20.32	ug/mL#	83
60) Fluorene	10.87	166	1521578	19.55	ug/mL	94
62) 4,6-Dinitro-2-methylphenol	10.91	198	309553	20.13	ug/mL#	79
63) n-Nitrosodiphenylamine	10.99	169	1346229	19.98	ug/mL	91
64) 1,2-Diphenylhydrazine	11.05	182	448531	20.13	ug/mL	97
66) 4-Bromophenyl-phenylether	11.46	248	372972	20.41	ug/mL	95
67) Hexachlorobenzene	11.57	284	445287	20.39	ug/mL	94
68) Pentachlorophenol	11.81	266	255617	18.94	ug/mL	99
69) n-Octadecane	11.85	43	811362	19.86	ug/mL#	74
70) Phenanthrene	12.12	178	2078926	18.95	ug/mL	98
71) Anthracene	12.19	178	2202304	19.97	ug/mL	99
72) Carbazole	12.39	167	2095718	20.00	ug/mL	100
73) Di-n-butylphthalate	12.84	149	2756744	20.08	ug/mL	99
74) Fluoranthene	13.95	202	1931476	19.23	ug/mL	94
76) Benzidine	14.14	184	1373609	20.99	ug/mL	94
77) Pyrene	14.36	202	2010572	19.14	ug/mL	99
79) Butylbenzylphthalate	15.52	149	1200957	20.07	ug/mL	97
80) bis-2-Ethylhexyladipate	15.67	129	1085907	20.23	ug/mL	95
81) 3,3'-Dichlorobenzidine	16.61	252	752332	20.36	ug/mL	97
82) Benzo[a]anthracene	16.67	228	1797490	19.38	ug/mL	98
83) Chrysene	16.75	228	1703098	19.56	ug/mL	98
84) bis(2-Ethylhexyl)phthalate	16.70	149	1567391	20.07	ug/mL	98
85) Di-n-octylphthalate	18.07	149	3007135	20.77	ug/mL	89
87) Benzo[b]fluoranthene	18.90	252	1812253	19.50	ug/mL	93
88) Benzo(j,k)fluoranthene	18.96	252	1805379	20.02	ug/mL	94
89) Benzo[a]pyrene	19.64	252	1601459	20.04	ug/mL	93
90) Indeno[1,2,3-cd]pyrene	22.85	276	1731401m	21.30	ug/mL	
91) Dibenz[a,h]anthracene	22.92	278	1623811	20.88	ug/mL	91
92) Benzo[g,h,i]perylene	23.79	276	1592839	20.41	ug/mL	85

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410017.D Vial: 17
Acq On : 10 Apr 2023 6:04 pm Operator: JP
Sample : ICV Inst : Ralph
Misc : SV6-105-01 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:31 2023 Quant Results File: SV230410.RES

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration

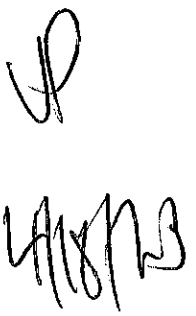


Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410016.D
Acq On : 10 Apr 2023 6:37 pm
Operator : JP
Sample : ICV
Misc : SV6-105-02
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 18 12:07:37 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.201	152	394390	25.00	ug/mL	0.00
20) Naphthalene-d8	7.823	136	1575178	25.00	ug/mL	0.00
36) Acenaphthene-d10	10.050	164	977238	25.00	ug/mL	0.00
62) Phenanthrene-d10	11.953	188	1592868	25.00	ug/mL	0.00
76) Chrysene-d12	16.560	240	1455267	25.00	ug/mL	0.00
87) Perylene-d12	19.621	264	1495624	25.00	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.591	112	447402	19.85	ug/mL	0.00
Spiked Amount 40.000	Range 21 - 110		Recovery = 49.63%			
5) Phenol-d6	5.713	99	557368	19.71	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 110		Recovery = 49.28%			
21) Nitrobenzene-d5	6.894	82	516077	19.38	ug/mL	0.00
Spiked Amount 40.000	Range 35 - 114		Recovery = 48.45%			
41) 2-Fluorobiphenyl	9.168	172	986919	19.65	ug/mL	0.00
Spiked Amount 40.000	Range 43 - 116		Recovery = 49.13%			
66) 2,4,6-Tribromophenol	11.043	330	133345	21.69	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 123		Recovery = 54.23%			
79) Terphenyl-d14	14.456	244	1168952	20.06	ug/mL	0.00
Spiked Amount 40.000	Range 33 - 141		Recovery = 50.15%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.128	42	275774	19.81	ug/mL#	52
3) Pyridine	3.163	79	434068	19.85	ug/mL#	62
6) Phenol	5.731	94	644255	20.35	ug/mL	90
7) Aniline	5.778	93	679707	19.65	ug/mL	90
8) bis(2-Chloroethyl)ether	5.837	93	484605	19.49	ug/mL	98
9) 2-Chlorophenol	5.948	128	452956	19.48	ug/mL	98
10) n-Decane	5.948	43	631275	18.46	ug/mL	88
11) 1,3-Dichlorobenzene	6.131	146	492840	19.58	ug/mL	99
12) 1,4-Dichlorobenzene	6.219	146	494085	19.29	ug/mL	98
13) Benzyl alcohol	6.348	108	253159	19.79	ug/mL	97
14) 1,2-Dichlorobenzene	6.413	146	464795	19.31	ug/mL	98
15) 2-Methylphenol (o-Cresol)	6.489	107	398265m	19.52	ug/mL	
16) bis(2-Chloroisopropyl)...	6.512	45	868737	18.98	ug/mL#	68
17) (3+4)-Methylphenol (m,...	6.683	107	483252	19.23	ug/mL	97
18) n-Nitroso-di-n-propyla...	6.683	70	344501	19.28	ug/mL	87
19) Hexachloroethane	6.847	117	204425	19.39	ug/mL	82
22) Nitrobenzene	6.918	77	523389	19.63	ug/mL	95
23) Isophorone	7.218	82	967773	19.55	ug/mL	87
24) 2-Nitrophenol	7.323	139	247691	19.87	ug/mL	88
25) 2,4-Dimethylphenol	7.359	122	362544	19.41	ug/mL	90
26) bis(2-Chloroethoxy)met...	7.464	93	566422	19.35	ug/mL	94
27) Benzoic Acid	7.470	105	266380	21.72	ug/mL#	100
28) 2,4-Dichlorophenol	7.646	162	384507	19.84	ug/mL	95
29) 1,2,4-Trichlorobenzene	7.735	180	393009	19.56	ug/mL	100
30) Naphthalene	7.846	128	1334725	19.91	ug/mL	99
31) 4-Chloroaniline	7.893	65	193746	19.90	ug/mL	97
32) Hexachlorobutadiene	7.981	225	221431	19.89	ug/mL	99
33) 4-Chloro-3-methylphenol	8.510	107	443773	19.98	ug/mL	100
34) 2-Methylnaphthalene	8.722	142	894540	19.92	ug/mL	100



Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410016.D
Acq On : 10 Apr 2023 6:37 pm
Operator : JP
Sample : ICV
Misc : SV6-105-02
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 18 12:07:37 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
35)	1-Methylnaphthalene	8.845	142	833706	19.77	ug/mL	100
37)	Hexachlorocyclopentadiene	8.910	237	172234	18.24	ug/mL	98
38)	2,4,6-Trichlorophenol	9.074	196	273109	19.94	ug/mL	100
39)	2,3-Dichloroaniline	9.074	161	466626	19.47	ug/mL	97
40)	2,4,5-Trichlorophenol	9.151	196	300835	20.36	ug/mL	98
42)	2-Chloronaphthalene	9.344	162	870899	19.76	ug/mL	99
43)	2-Nitroaniline	9.456	65	331090	19.85	ug/mL	96
44)	1,4-Dinitrobenzene	9.621	168	165320	21.80	ug/mL#	81
45)	Dimethylphthalate	9.668	163	1024188	19.96	ug/mL	99
46)	1,3-Dinitrobenzene	9.720	168	184572	20.88	ug/mL#	65
47)	2,6-Dinitrotoluene	9.756	165	241403	20.03	ug/mL#	80
48)	1,2-Dinitrobenzene	9.832	168	123036	20.91	ug/mL	97
49)	Acenaphthylene	9.873	152	1280075	19.89	ug/mL	99
50)	3-Nitroaniline	9.456	138	318296	19.87	ug/mL#	52
51)	2,4-Dinitrophenol	10.097	184	74664	22.59	ug/mL#	1
52)	Acenaphthene	10.091	154	839476	19.98	ug/mL	99
53)	4-Nitrophenol	10.226	65	230014	22.23	ug/mL	85
54)	2,4-Dinitrotoluene	10.261	165	327725	21.09	ug/mL	95
55)	Dibenzofuran	10.302	168	1243658	20.07	ug/mL	90
56)	2,3,5,6-Tetrachlorophenol	10.402	232	218182	19.34	ug/mL	94
57)	2,3,4,6-Tetrachlorophenol	10.455	232	222308	20.66	ug/mL	86
58)	Diethylphthalate	10.543	149	1000845	19.93	ug/mL	95
59)	4-Chlorophenyl-phenyle...	10.713	204	475464	19.65	ug/mL	90
60)	4-Nitroaniline	10.749	138	284552	20.63	ug/mL#	88
61)	Fluorene	10.737	166	1040266	19.99	ug/mL	99
63)	4,6-Dinitro-2-methylph...	10.772	198	149605	19.26	ug/mL	83
64)	n-Nitrosodiphenylamine	10.860	169	885722	20.23	ug/mL	97
65)	1,2-Diphenylhydrazine	10.919	182	282817	20.02	ug/mL#	38
67)	4-Bromophenyl-phenylether	11.336	248	271479	20.14	ug/mL	91
68)	Hexachlorobenzene	11.430	284	280094	20.11	ug/mL	94
69)	Pentachlorophenol	11.683	266	147951	21.20	ug/mL	98
70)	n-Octadecane	11.712	43	629100	19.54	ug/mL	91
71)	Phenanthrene	11.983	178	1408230	19.90	ug/mL	98
72)	Anthracene	12.053	178	1409069	20.07	ug/mL	97
73)	Carbazole	12.265	167	1361909	20.01	ug/mL	98
74)	Di-n-butylphthalate	12.717	149	1725799	20.61	ug/mL	98
75)	Fluoranthene	13.810	202	1564599	20.05	ug/mL	87
77)	Benzidine	14.010	184	847581	22.10	ug/mL	90
78)	Pyrene	14.215	202	1608626	20.12	ug/mL	98
80)	Butylbenzylphthalate	15.379	149	807565	20.42	ug/mL	90
81)	bis-2-Ethylhexyladipate	15.526	129	754686	20.17	ug/mL	95
82)	3,3'-Dichlorobenzidine	16.472	252	566022	21.18	ug/mL	96
83)	Benzo[a]anthracene	16.536	228	1480199	19.70	ug/mL	99
84)	Chrysene	16.613	228	1353274	20.37	ug/mL	98
85)	bis(2-Ethylhexyl)phtha...	16.566	149	1128598	20.16	ug/mL	93
86)	Di-n-octylphthalate	17.929	149	1969922	20.35	ug/mL	94
88)	Benzo[b]fluoranthene	18.745	252	1446399	19.53	ug/mL	89
89)	Benzo(j,k)fluoranthene	18.810	252	1444967	20.69	ug/mL	90
90)	Benzo[a]pyrene	19.480	252	1265630	20.18	ug/mL	89
91)	Indeno[1,2,3-cd]pyrene	22.629	276	1386751	20.82	ug/mL	74
92)	Dibenz[a,h]anthracene	22.711	278	1351892	21.13	ug/mL	87
93)	Benzo[g,h,i]perylene	23.563	276	1314634	20.80	ug/mL	83

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410016.D
Acq On : 10 Apr 2023 6:37 pm
Operator : JP
Sample : ICV
Misc : SV6-105-02
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 18 12:07:37 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

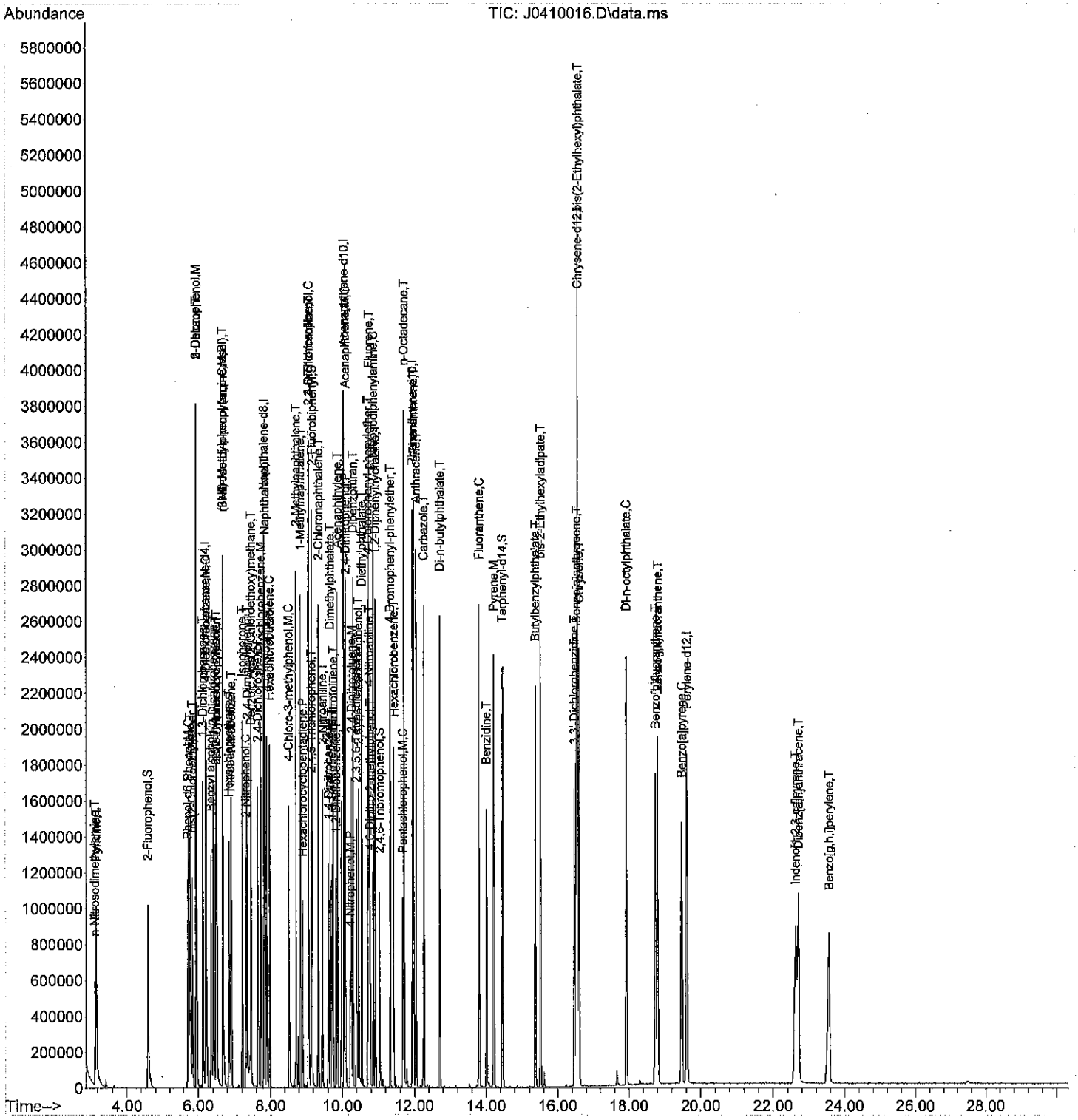
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410016.D
Acq On : 10 Apr 2023 6:37 pm
Operator : JP
Sample : ICV
Misc : SV6-105-02
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 18 12:07:37 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Corey\DATA\C230411\
Data File : C0411029.D
Acq On : 11 Apr 2023 8:07 pm
Operator : JP
Sample : ICV
Misc : SV6-105-04
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 12 09:13:23 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Wed Apr 12 08:55:51 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	4.018	136	190962	2000.00	ppb	0.00
5) Acenaphthene-d10	5.254	164	90478	2000.00	ppb	0.00
9) Phenanthrene-d10	6.279	188	164770	2000.00	ppb	0.00
16) Chrysene-d12	8.389	240	133262	2000.00	ppb	0.00
20) Perylene-d12	9.849	264	146170	2000.00	ppb	0.00
System Monitoring Compounds						
6) 2-Fluorobiphenyl	4.798	172	44403	501.89	ppb	0.00
Spiked Amount 1000.000	Range 25 - 89		Recovery = 50.19%			
10) Pyrene-d10	7.287	212	43266	478.64	ppb	0.00
Spiked Amount 1000.000	Range 40 - 110		Recovery = 47.86%			
17) Terphenyl-d14	7.451	244	34297	537.15	ppb	0.00
Spiked Amount 1000.000	Range 39 - 92		Recovery = 53.72%			
Target Compounds						Qvalue
2) Naphthalene	4.033	128	63911	512.25	ppb	99
3) 2-Methylnaphthalene	4.531	142	39167	485.48	ppb	98
4) 1-Methylnaphthalene	4.601	142	37291	489.93	ppb	99
7) Acenaphthylene	5.154	152	58211	482.34	ppb	100
8) Acenaphthene	5.277	153	36713	486.77	ppb	100
11) Fluorene	5.640	166	40983	482.13	ppb	100
12) Phenanthrene	6.291	178	55436	464.56	ppb	97
13) Anthracene	6.326	178	55566	449.52	ppb	98
14) Fluoranthene	7.134	202	62727	468.17	ppb	89
15) Pyrene	7.307	202	63001	475.01	ppb	98
18) Benzo[a]anthracene	8.377	228	59311	548.67	ppb	97
19) Chrysene	8.412	228	58029	471.08	ppb	99
21) Benzo[b]fluoranthene	9.465	252	60991	443.80	ppb	89
22) Benzo(j,k)fluoranthene	9.494	252	62135	491.42	ppb	91
23) Benzo[a]pyrene	9.791	252	55334	469.41	ppb	89
24) Indeno(1,2,3-c,d)pyrene	10.870	276	72851	~~574.73~~ 469.14	ppb	67
25) Dibenz[a,h]anthracene	10.901	278	57192	466.27	ppb	86
26) Benzo[g,h,i]perylene	11.125	276	60042	459.04	ppb	83

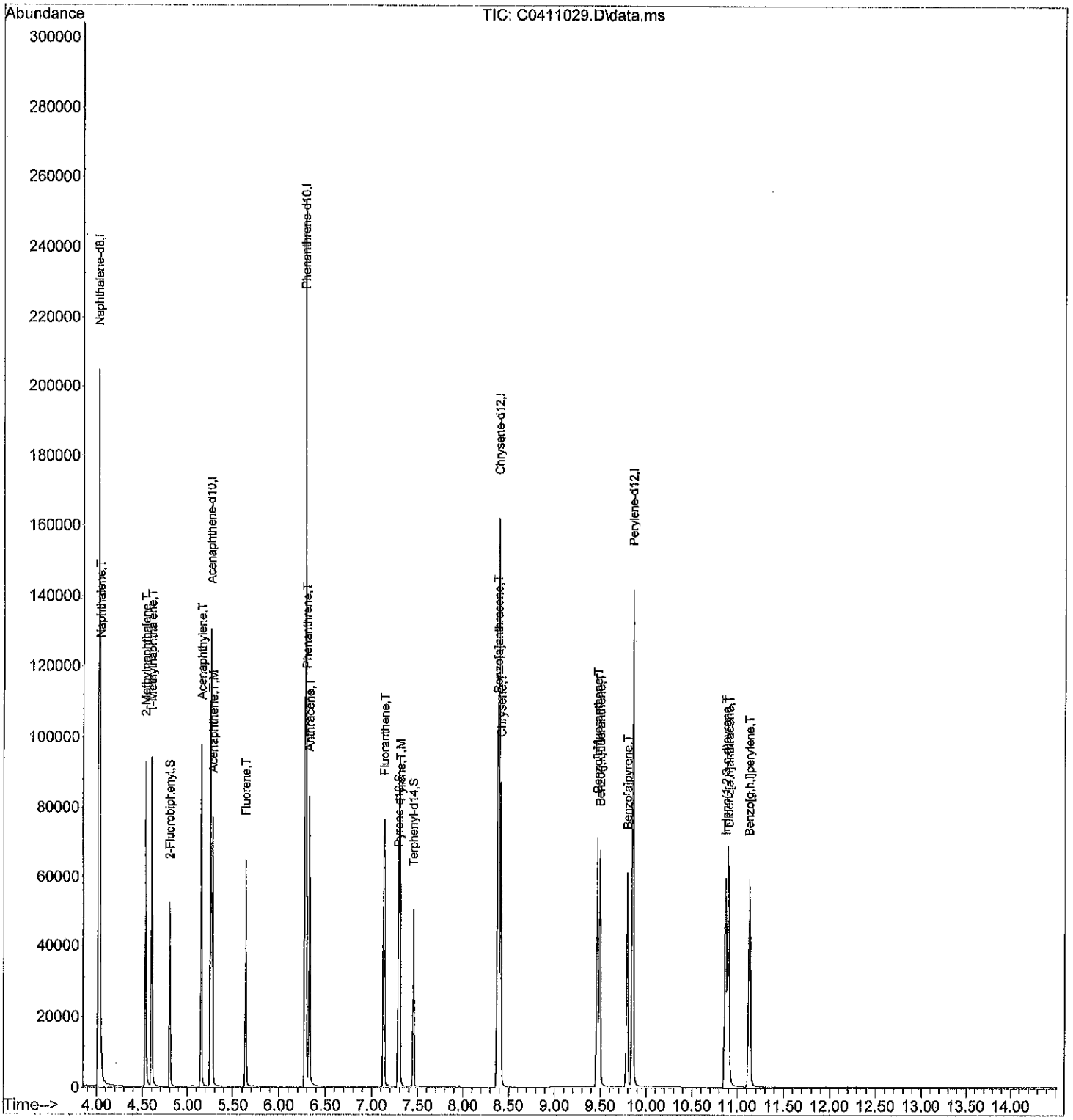
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JP 4/12/23

Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Corey\DATA\C230411\
Data File : C0411029.D
Acq On : 11 Apr 2023 8:07 pm
Operator : JP
Sample : ICV
Misc : SV6-105-04
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 12 09:13:23 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Wed Apr 12 08:55:51 2023
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230505\R0505001.D Vial: 1
Acq On : 5 May 2023 10:32 am Operator: JP
Sample : BNA CCV0505-1 Inst : Ralph
Misc : SV6-106-14 Multiplr: 1.00
MS Integration Params: rteint.p

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Thu May 11 08:45:53 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	25.000	25.000	0.0	129	0.12
2	T	n-Nitrosodimethylamine	20.000	18.703	6.5	118	0.00
3	T	Pyridine	20.000	20.890	-4.5	126	0.00
4	S	2-Fluorophenol	20.000	20.826	-4.1	127	0.11
5	S	Phenol-d6	20.000	19.910	0.4	124	0.16
6	M,C,P	Phenol	20.000	22.824	-14.1	140	0.16
7	T	Aniline	20.000	18.393	8.0	114	0.10
8	T,P	bis(2-Chloroethyl)ether	20.000	19.909	0.5	125	0.11
9	M,P	2-Chlorophenol	20.000	19.409	3.0	121	0.13
10	T	n-Decane	20.000	18.291	8.5	117	0.11
11	T	1,3-Dichlorobenzene	20.000	18.860	5.7	120	0.12
12	M,C	1,4-Dichlorobenzene	20.000	18.871	5.6	121	0.12
13	T	Benzyl alcohol	20.000	21.756	-8.8	130	0.14
14	T	1,2-Dichlorobenzene	20.000	18.816	5.9	119	0.13
15	T,P	2-Methylphenol (o-Cresol)	20.000	19.991	0.0	124	0.17
16	T	bis(2-Chloroisopropyl)ether	20.000	18.937	5.3	119	0.13
17	T	(3+4)-Methylphenol (m,p-Cre	20.000	21.035	-5.2	130	0.18
18	M,P	n-Nitroso-di-n-propylamine	20.000	20.840	-4.2	131	0.15
19	T,P	Hexachloroethane	20.000	20.216	-1.1	126	0.15
20	I	Naphthalene-d8	25.000	25.000	0.0	126	0.18
21	S	Nitrobenzene-d5	20.000	20.069	-0.3	123	0.15
22	T,P	Nitrobenzene	20.000	20.468	-2.3	127	0.15
23	T,P	Isophorone	20.000	19.737	1.3	122	0.17
24	C,P	2-Nitrophenol	20.000	21.365	-6.8	125	0.17
25	T,P	2,4-Dimethylphenol	20.000	19.414	2.9	119	0.20
26	T,P	bis(2-Chloroethoxy)methane	20.000	19.929	0.4	123	0.17
27	C,P	2,4-Dichlorophenol	20.000	20.234	-1.2	123	0.22
28	M	1,2,4-Trichlorobenzene	20.000	19.979	0.1	122	0.18
29	T,P	Naphthalene	20.000	18.739	6.3	115	0.19
30	T,P	4-Chloroaniline	20.000	18.962	5.2	119	0.20
31	C,P	Hexachlorobutadiene	20.000	18.681	6.6	117	0.19
32	M,C,P	4-Chloro-3-methylphenol	20.000	20.999	-5.0	127	0.26
33	T,P	2-Methylnaphthalene	20.000	19.727	1.4	122	0.22
34	T	1-Methylnaphthalene	20.000	19.779	1.1	122	0.23
35	I	Acenaphthene-d10	25.000	25.000	0.0	128	0.26
36	P	Hexachlorocyclopentadiene	20.000	16.208	19.0	102	0.23
37	C,P	2,4,6-Trichlorophenol	20.000	21.834	-9.2	126	0.25
38	T	2,3-Dichloroaniline	20.000	19.366	3.2	117	0.24
39	T,P	2,4,5-Trichlorophenol	20.000	19.576	2.1	117	0.28
40	S	2-Fluorobiphenyl	20.000	18.784	6.1	116	0.24
41	T,P	2-Chloronaphthalene	20.000	19.765	1.2	122	0.25
42	T,P	2-Nitroaniline	20.000	20.212	-1.1	122	0.26
43	T	1,4-Dinitrobenzene	20.000	22.282	-11.4	128	0.27
44	T,P	Dimethylphthalate	20.000	19.219	3.9	122	0.27
45	T	1,3-Dinitrobenzene	20.000	21.269	-6.3	126	0.26
46	T,P	2,6-Dinitrotoluene	20.000	20.489	-2.4	126	0.27
47	T	1,2-Dinitrobenzene	20.000	20.410	-2.1	122	0.27
48	T,P	Acenaphthylene	20.000	19.339	3.3	119	0.26
49	T,P	3-Nitroaniline	20.000	20.546	-2.7	122	0.27
50	P	2,4-Dinitrophenol	20.000	13.622	31.9#	86	0.28
51	M,C	Acenaphthene	20.000	19.639	1.8	123	0.27
52	M,P	4-Nitrophenol	20.000	22.158	-10.8	143	0.37
53	M	2,4-Dinitrotoluene	20.000	19.811	0.9	119	0.28

(#) = Out of Range

JP 6/2/23

Evaluate Continuing Calibration Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230505\R0505001.D Vial: 1
Acq On : 5 May 2023 10:32 am Operator: JP
Sample : BNA CCV0505-1 Inst : Ralph
Misc : SV6-106-14 Multiplr: 1.00
MS Integration Params: rteint.p

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Thu May 11 08:45:53 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
54	T,P	Dibenzofuran	20.000	19.638	1.8	124	0.28
55	T	2,3,5,6-Tetrachlorophenol	20.000	18.170	9.1	114	0.30
56	T,P	2,3,4,6-Tetrachlorophenol	20.000	20.297	-1.5	113	0.30
57	T,P	Diethylphthalate	20.000	18.855	5.7	117	0.29
58	T,P	4-Chlorophenyl-phenylether	20.000	19.851	0.7	125	0.30
59	T,P	4-Nitroaniline	20.000	21.286	-6.4	129	0.31
60	T,P	Fluorene	20.000	19.485	2.6	123	0.29
61	I	Phenanthrene-d10	25.000	25.000	0.0	133	0.34
62	T,P	4,6-Dinitro-2-methylphenol	20.000	14.768	26.2#	98	0.30
63	C,P	n-Nitrosodiphenylamine	20.000	19.325	3.4	125	0.32
64	T	1,2-Diphenylhydrazine	20.000	20.057	-0.3	125	0.31
65	S	2,4,6-Tribromophenol	20.000	19.966	0.2	115	0.31
66	T,P	4-Bromophenyl-phenylether	20.000	18.751	6.2	121	0.32
67	T,P	Hexachlorobenzene	20.000	18.657	6.7	120	0.32
68	M,C,P	Pentachlorophenol	20.000	14.753	26.2#	97	0.34
69	T	n-Octadecane	20.000	17.514	12.4	115	0.34
70	T,P	Phenanthrene	20.000	18.407	8.0	124	0.34
71	T,P	Anthracene	20.000	19.008	5.0	122	0.33
72	T	Carbazole	20.000	19.239	3.8	123	0.35
73	T,P	Di-n-butylphthalate	20.000	18.742	6.3	122	0.36
74	C,P	Fluoranthene	20.000	18.584	7.1	122	0.37
75	I	Chrysene-d12	25.000	25.000	0.0	130	0.45
76	T	Benzidine	20.000	17.674	11.6	104	0.39
77	M,P	Pyrene	20.000	18.911	5.4	124	0.39
78	S	Terphenyl-d14	20.000	19.179	4.1	121	0.40
79	T,P	Butylbenzylphthalate	20.000	19.110	4.5	118	0.43
80	T	bis-2-Ethylhexyladipate	20.000	19.799	1.0	122	0.44
81	T,P	3,3'-Dichlorobenzidine	20.000	20.108	-0.5	123	0.47
82	T,P	Benzo[a]anthracene	20.000	18.780	6.1	123	0.46
83	T,P	Chrysene	20.000	18.534	7.3	121	0.46
84	T,P	bis(2-Ethylhexyl)phthalate	20.000	19.918	0.4	125	0.47
85	C,P	Di-n-octylphthalate	20.000	19.812	0.9	122	0.53#
86	I	Perylene-d12	25.000	25.000	0.0	128	0.52#
87	T,P	Benzo[b]fluoranthene	20.000	19.162	4.2	124	0.52#
88	T,P	Benzo(j,k)fluoranthene	20.000	19.640	1.8	121	0.52#
89	C,P	Benzo[a]pyrene	20.000	19.767	1.2	123	0.52#
90	T,P	Indeno[1,2,3-cd]pyrene	20.000	23.357	-16.8	141	0.49
91	T,P	Dibenz[a,h]anthracene	20.000	20.874	-4.4	126	0.49
92	T,P	Benzo[g,h,i]perylene	20.000	20.578	-2.9	127	0.38

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230505\R0505001.D Vial: 1
Acq On : 5 May 2023 10:32 am Operator: JP
Sample : BNA CCV0505-1 Inst : Ralph
Misc : SV6-106-14 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 9 15:43 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230410

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.22	152	1001610	25.00	ug/mL	-0.13
20) Naphthalene-d8	7.83	136	3673821	25.00	ug/mL	-0.14
35) Acenaphthene-d10	10.05	164	1907882	25.00	ug/mL	-0.14
61) Phenanthrene-d10	11.94	188	2822237	25.00	ug/mL	-0.14
75) Chrysene-d12	16.49	240	2193572	25.00	ug/mL	-0.21
86) Perylene-d12	19.50	264	2391046	25.00	ug/mL	-0.28
System Monitoring Compounds						
4) 2-Fluorophenol	4.65	112	1230319	20.83	ug/mL	-0.08
Spiked Amount 40.000	Range 21 - 110		Recovery = 52.07%			
5) Phenol-d6	5.78	99	1467807	19.91	ug/mL	-0.07
Spiked Amount 40.000	Range 10 - 110		Recovery = 49.78%			
21) Nitrobenzene-d5	6.90	82	1157281	20.07	ug/mL	-0.13
Spiked Amount 40.000	Range 35 - 114		Recovery = 50.18%			
40) 2-Fluorobiphenyl	9.18	172	1757795	18.78	ug/mL	-0.13
Spiked Amount 40.000	Range 43 - 116		Recovery = 46.95%			
65) 2,4,6-Tribromophenol	11.04	330	266939	19.97	ug/mL	-0.13
Spiked Amount 40.000	Range 10 - 123		Recovery = 49.92%			
78) Terphenyl-d14	14.41	244	1691997	19.18	ug/mL	-0.18
Spiked Amount 40.000	Range 33 - 141		Recovery = 47.95%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.10	42	486773	18.70	ug/mL#	16
3) Pyridine	3.14	79	1373397	20.89	ug/mL	86
6) Phenol	5.80	94	1766223	22.82	ug/mL#	73
7) Aniline	5.80	93	1654277	18.39	ug/mL	68
8) bis(2-Chloroethyl)ether	5.85	93	1336444	19.91	ug/mL	95
9) 2-Chlorophenol	5.98	128	1092708	19.41	ug/mL	96
10) n-Decane	5.97	43	1321838	18.29	ug/mL#	77
11) 1,3-Dichlorobenzene	6.15	146	1202133	18.86	ug/mL	97
12) 1,4-Dichlorobenzene	6.24	146	1216533	18.87	ug/mL	98
13) Benzyl alcohol	6.37	108	812078	21.76	ug/mL#	81
14) 1,2-Dichlorobenzene	6.43	146	1140214	18.82	ug/mL	99
15) 2-Methylphenol (o-Cresol)	6.54	107	955246	19.99	ug/mL	92
16) bis(2-Chloroisopropyl)ethe	6.53	45	2086070	18.94	ug/mL	76
17) (3+4)-Methylphenol (m,p-Cr	6.73	107	1274605	21.04	ug/mL	94
18) n-Nitroso-di-n-propylamine	6.70	70	884425	20.84	ug/mL#	78
19) Hexachloroethane	6.86	117	498747	20.22	ug/mL	88
22) Nitrobenzene	6.93	77	1097973	20.47	ug/mL	89
23) Isophorone	7.23	82	2227579	19.74	ug/mL	98
24) 2-Nitrophenol	7.33	139	675168m	21.36	ug/mL	
25) 2,4-Dimethylphenol	7.39	122	859869	19.41	ug/mL	97
26) bis(2-Chloroethoxy)methane	7.48	93	1434477	19.93	ug/mL	99
27) 2,4-Dichlorophenol	7.68	162	864897	20.23	ug/mL	99
28) 1,2,4-Trichlorobenzene	7.75	180	887933	19.98	ug/mL	95
29) Naphthalene	7.86	128	2873263	18.74	ug/mL#	100
30) 4-Chloroaniline	7.91	65	331796	18.96	ug/mL#	88
31) Hexachlorobutadiene	8.00	225	386600	18.68	ug/mL	99
32) 4-Chloro-3-methylphenol	8.55	107	882704	21.00	ug/mL	99
33) 2-Methylnaphthalene	8.73	142	1821905	19.73	ug/mL	96
34) 1-Methylnaphthalene	8.86	142	1708386	19.78	ug/mL	95
36) Hexachlorocyclopentadiene	8.92	237	291341	16.21	ug/mL	98
37) 2,4,6-Trichlorophenol	9.08	196	513498	21.83	ug/mL	98
38) 2,3-Dichloroaniline	9.07	161	964956	19.37	ug/mL	96
39) 2,4,5-Trichlorophenol	9.18	196	537827	19.58	ug/mL	99
41) 2-Chloronaphthalene	9.35	162	1768965	19.76	ug/mL	98

(#) = qualifier out of range (m) = manual integration

VP 6/2/23

Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230505\R0505001.D Vial: 1
Acq On : 5 May 2023 10:32 am Operator: JP
Sample : BNA CCV0505-1 Inst : Ralph
Misc : SV6-106-14 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 9 15:43 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230410

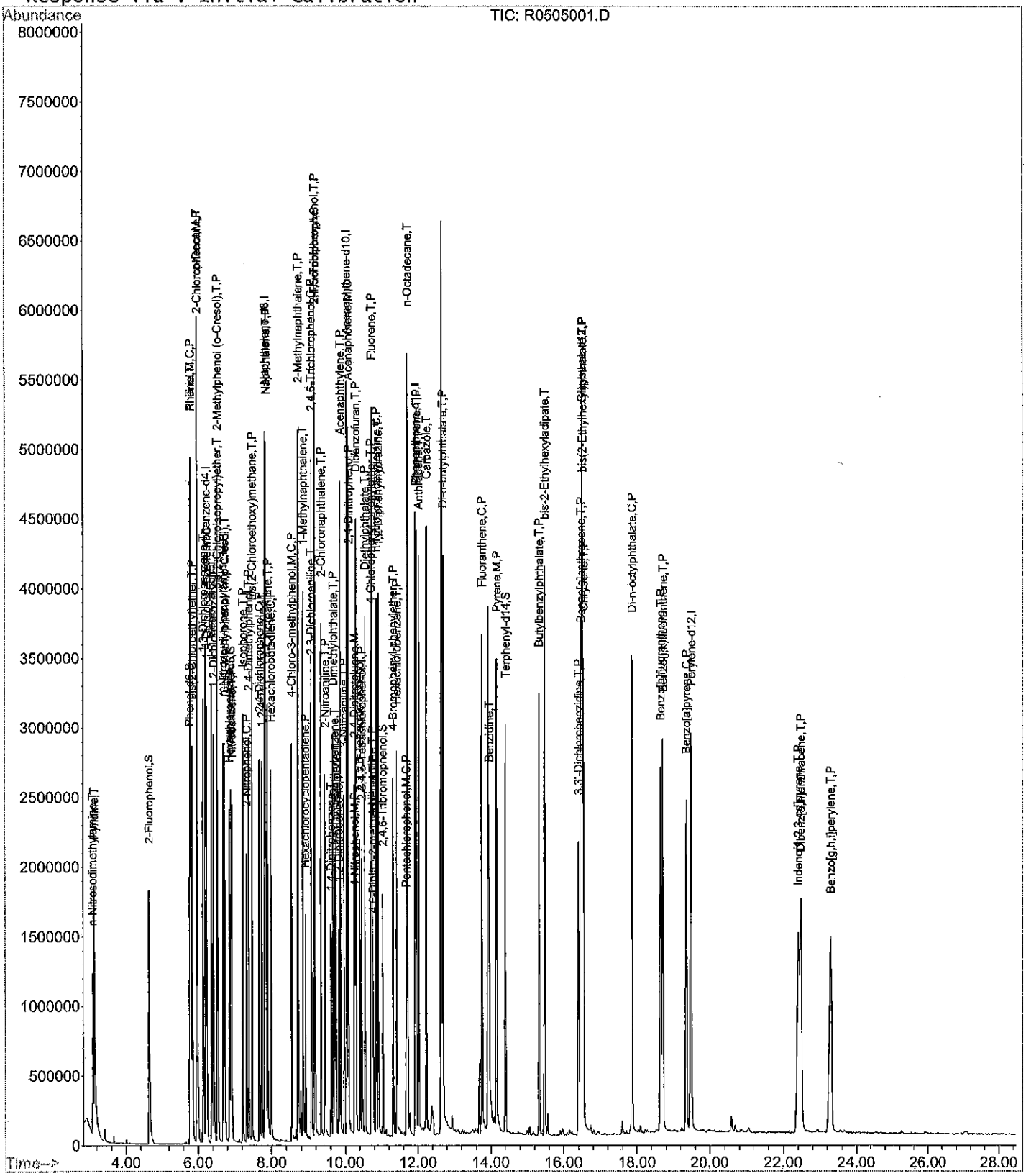
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	2-Nitroaniline	9.46	65	555988	20.21	ug/mL#	78
43)	1,4-Dinitrobenzene	9.63	168	403653	22.28	ug/mL	82
44)	Dimethylphthalate	9.68	163	1905193	19.22	ug/mL	99
45)	1,3-Dinitrobenzene	9.72	168	450204	21.27	ug/mL#	80
46)	2,6-Dinitrotoluene	9.76	165	530195	20.49	ug/mL	80
47)	1,2-Dinitrobenzene	9.83	168	283267	20.41	ug/mL#	75
48)	Acenaphthylene	9.87	152	2577269	19.34	ug/mL	96
49)	3-Nitroaniline	9.97	138	615926	20.55	ug/mL	93
50)	2,4-Dinitrophenol	10.10	184	151871	13.62	ug/mL#	1
51)	Acenaphthene	10.09	154	1626566	19.64	ug/mL	95
52)	4-Nitrophenol	10.27	65	358235m	22.16	ug/mL	
53)	2,4-Dinitrotoluene	10.26	165	668616	19.81	ug/mL	77
54)	Dibenzofuran	10.30	168	2334469	19.64	ug/mL	65
55)	2,3,5,6-Tetrachlorophenol	10.40	232	374796	18.17	ug/mL	98
56)	2,3,4,6-Tetrachlorophenol	10.46	232	394720	20.30	ug/mL	96
57)	Diethylphthalate	10.55	149	1778477	18.85	ug/mL	100
58)	4-Chlorophenyl-phenylether	10.71	204	773338	19.85	ug/mL	99
59)	4-Nitroaniline	10.75	138	635132	21.29	ug/mL#	81
60)	Fluorene	10.73	166	1816080	19.49	ug/mL	96
62)	4,6-Dinitro-2-methylphenol	10.77	198	273383	14.77	ug/mL#	77
63)	n-Nitrosodiphenylamine	10.86	169	1599163	19.32	ug/mL	90
64)	1,2-Diphenylhydrazine	10.92	182	549076	20.06	ug/mL#	91
66)	4-Bromophenyl-phenylether	11.32	248	420961	18.75	ug/mL	96
67)	Hexachlorobenzene	11.43	284	500550	18.66	ug/mL	95
68)	Pentachlorophenol	11.68	266	240715	14.75	ug/mL	98
69)	n-Octadecane	11.71	43	879131	17.51	ug/mL#	64
70)	Phenanthrene	11.97	178	2480175	18.41	ug/mL	99
71)	Anthracene	12.03	178	2575342	19.01	ug/mL	99
72)	Carbazole	12.25	167	2476643	19.24	ug/mL	99
73)	Di-n-butylphthalate	12.70	149	3161310	18.74	ug/mL	99
74)	Fluoranthene	13.77	202	2292844	18.58	ug/mL	91
76)	Benzidine	13.96	184	1398206	17.67	ug/mL	85
77)	Pyrene	14.17	202	2401836	18.91	ug/mL	98
79)	Butylbenzylphthalate	15.33	149	1382299	19.11	ug/mL	98
80)	bis-2-Ethylhexyladipate	15.48	129	1284960	19.80	ug/mL	94
81)	3,3'-Dichlorobenzidine	16.41	252	898162	20.11	ug/mL	97
82)	Benzo[a]anthracene	16.47	228	2105630	18.78	ug/mL	98
83)	Chrysene	16.54	228	1950594	18.53	ug/mL	98
84)	bis(2-Ethylhexyl)phthalate	16.51	149	1880844	19.92	ug/mL	99
85)	Di-n-octylphthalate	17.87	149	3467517	19.81	ug/mL	87
87)	Benzo[b]fluoranthene	18.66	252	2130974	19.16	ug/mL	92
88)	Benzo(j,k)fluoranthene	18.72	252	2118531	19.64	ug/mL	92
89)	Benzo[a]pyrene	19.37	252	1889836	19.77	ug/mL	91
90)	Indeno[1,2,3-cd]pyrene	22.42	276	2271188	23.36	ug/mL	81
91)	Dibenz[a,h]anthracene	22.49	278	1942706	20.87	ug/mL	89
92)	Benzo[g,h,i]perylene	23.31	276	1921030	20.58	ug/mL	81

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230505\R0505001.D Vial: 1
Acq On : 5 May 2023 10:32 am Operator: JP
Sample : BNA CCV0505-1 Inst : Ralph
Misc : SV6-106-14 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 9 15:43 2023 Quant Results File: SV230410.RES

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Thu May 11 08:45:53 2023
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230508\R0508004.D Vial: 4
Acq On : 8 May 2023 11:17 am Operator: JP
Sample : BNA CCV0508-2 Inst : Ralph
Misc : SV6-106-17 Multiplr: 1.00
MS Integration Params: rteint.p

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Thu May 11 08:45:53 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	25.000	25.000	0.0	130	0.05
2	T	n-Nitrosodimethylamine	20.000	19.705	1.5	124	-0.06
3	T	Pyridine	20.000	22.164	-10.8	134	-0.06
4	S	2-Fluorophenol	20.000	21.747	-8.7	133	0.06
5	S	Phenol-d6	20.000	20.407	-2.0	127	0.13
6	M,C,P	Phenol	20.000	23.878	-19.4	147	0.13
7	T	Aniline	20.000	20.040	-0.2	124	0.04
8	T,P	bis(2-Chloroethyl)ether	20.000	21.103	-5.5	132	0.05
9	M,P	2-Chlorophenol	20.000	20.962	-4.8	131	0.07
10	T	n-Decane	20.000	19.446	2.8	125	0.05
11	T	1,3-Dichlorobenzene	20.000	19.728	1.4	125	0.05
12	M,C	1,4-Dichlorobenzene	20.000	19.433	2.8	124	0.06
13	T	Benzyl alcohol	20.000	22.207	-11.0	133	0.08
14	T	1,2-Dichlorobenzene	20.000	19.586	2.1	124	0.06
15	T,P	2-Methylphenol (o-Cresol)	20.000	21.342	-6.7	132	0.14
16	T	bis(2-Chloroisopropyl)ether	20.000	20.416	-2.1	128	0.08
17	T	(3+4)-Methylphenol (m,p-Cre	20.000	21.862	-9.3	136	0.13
18	M,P	n-Nitroso-di-n-propylamine	20.000	21.559	-7.8	136	0.09
19	T,P	Hexachloroethane	20.000	20.307	-1.5	127	0.08
20	I	Naphthalene-d8	25.000	25.000	0.0	128	0.12
21	S	Nitrobenzene-d5	20.000	18.925	5.4	118	0.09
22	T,P	Nitrobenzene	20.000	20.643	-3.2	129	0.08
23	T,P	Isophorone	20.000	19.914	0.4	125	0.10
24	C,P	2-Nitrophenol	20.000	21.447	-7.2	128	0.10
25	T,P	2,4-Dimethylphenol	20.000	19.005	5.0	118	0.15
26	T,P	bis(2-Chloroethoxy)methane	20.000	20.220	-1.1	127	0.11
27	C,P	2,4-Dichlorophenol	20.000	20.441	-2.2	126	0.17
28	M	1,2,4-Trichlorobenzene	20.000	20.115	-0.6	125	0.12
29	T,P	Naphthalene	20.000	19.387	3.1	121	0.13
30	T,P	4-Chloroaniline	20.000	19.833	0.8	126	0.13
31	C,P	Hexachlorobutadiene	20.000	18.743	6.3	119	0.14
32	M,C,P	4-Chloro-3-methylphenol	20.000	20.731	-3.7	127	0.22
33	T,P	2-Methylnaphthalene	20.000	19.944	0.3	125	0.16
34	T	1-Methylnaphthalene	20.000	19.511	2.4	123	0.16
35	I	Acenaphthene-d10	25.000	25.000	0.0	126	0.21
36	P	Hexachlorocyclopentadiene	20.000	18.262	8.7	113	0.17
37	C,P	2,4,6-Trichlorophenol	20.000	23.463	-17.3	133	0.20
38	T	2,3-Dichloroaniline	20.000	20.173	-0.9	119	0.18
39	T,P	2,4,5-Trichlorophenol	20.000	20.085	-0.4	118	0.14
40	S	2-Fluorobiphenyl	20.000	20.421	-2.1	124	0.18
41	T,P	2-Chloronaphthalene	20.000	19.800	1.0	120	0.18
42	T,P	2-Nitroaniline	20.000	21.271	-6.4	126	0.20
43	T	1,4-Dinitrobenzene	20.000	22.944	-14.7	129	0.21
44	T,P	Dimethylphthalate	20.000	19.488	2.6	121	0.20
45	T	1,3-Dinitrobenzene	20.000	21.087	-5.4	122	0.20
46	T,P	2,6-Dinitrotoluene	20.000	20.757	-3.8	125	0.21
47	T	1,2-Dinitrobenzene	20.000	21.038	-5.2	124	0.21
48	T,P	Acenaphthylene	20.000	19.725	1.4	119	0.20
49	T,P	3-Nitroaniline	20.000	21.551	-7.8	126	0.21
50	P	2,4-Dinitrophenol	20.000	10.971	45.1#	64	0.22
51	M,C	Acenaphthene	20.000	19.273	3.6	119	0.21
52	M,P	4-Nitrophenol	20.000	20.057	-0.3	126	0.36
53	M	2,4-Dinitrotoluene	20.000	20.206	-1.0	119	0.23

(#) = Out of Range

JP 6/2/23

Evaluate Continuing Calibration Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230508\R0508004.D Vial: 4
Acq On : 8 May 2023 11:17 am Operator: JP
Sample : BNA CCV0508-2 Inst : Ralph
Misc : SV6-106-17 Multiplr: 1.00
MS Integration Params: rteint.p

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Thu May 11 08:45:53 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
54	T,P	Dibenzofuran	20.000	19.643	1.8	122	0.23
55	T	2,3,5,6-Tetrachlorophenol	20.000	16.296	18.5	100	0.25
56	T,P	2,3,4,6-Tetrachlorophenol	20.000	19.334	3.3	106	0.24
57	T,P	Diethylphthalate	20.000	19.202	4.0	117	0.24
58	T,P	4-Chlorophenyl-phenylether	20.000	20.045	-0.2	123	0.24
59	T,P	4-Nitroaniline	20.000	22.252	-11.3	132	0.25
60	T,P	Fluorene	20.000	19.710	1.4	122	0.24
61	I	Phenanthrene-d10	25.000	25.000	0.0	131	0.26
62	T,P	4,6-Dinitro-2-methylphenol	20.000	13.166	34.2#	85	0.25
63	C,P	n-Nitrosodiphenylamine	20.000	19.386	3.1	124	0.25
64	T	1,2-Diphenylhydrazine	20.000	20.434	-2.2	125	0.25
65	S	2,4,6-Tribromophenol	20.000	19.812	0.9	113	0.26
66	T,P	4-Bromophenyl-phenylether	20.000	18.564	7.2	118	0.26
67	T,P	Hexachlorobenzene	20.000	18.522	7.4	118	0.25
68	M,C,P	Pentachlorophenol	20.000	9.997	50.0#	63	0.28
69	T	n-Octadecane	20.000	18.738	6.3	121	0.27
70	T,P	Phenanthrene	20.000	18.385	8.1	122	0.27
71	T,P	Anthracene	20.000	19.218	3.9	121	0.27
72	T	Carbazole	20.000	19.081	4.6	120	0.29
73	T,P	Di-n-butylphthalate	20.000	18.772	6.1	121	0.29
74	C,P	Fluoranthene	20.000	18.675	6.6	121	0.30
75	I	Chrysene-d12	25.000	25.000	0.0	126	0.37
76	T	Benzidine	20.000	18.465	7.7	105	0.32
77	M,P	Pyrene	20.000	19.111	4.4	121	0.30
78	S	Terphenyl-d14	20.000	19.375	3.1	118	0.31
79	T,P	Butylbenzylphthalate	20.000	19.833	0.8	119	0.34
80	T	bis-2-Ethylhexyladipate	20.000	20.726	-3.6	124	0.36
81	T,P	3,3'-Dichlorobenzidine	20.000	19.216	3.9	114	0.37
82	T,P	Benzo[a]anthracene	20.000	18.932	5.3	120	0.36
83	T,P	Chrysene	20.000	18.851	5.7	119	0.37
84	T,P	bis(2-Ethylhexyl)phthalate	20.000	20.668	-3.3	125	0.39
85	C,P	Di-n-octylphthalate	20.000	20.279	-1.4	120	0.43
86	I	Perylene-d12	25.000	25.000	0.0	126	0.41
87	T,P	Benzo[b]fluoranthene	20.000	19.107	4.5	121	0.42
88	T,P	Benzo(j,k)fluoranthene	20.000	19.283	3.6	116	0.42
89	C,P	Benzo[a]pyrene	20.000	19.537	2.3	119	0.40
90	T,P	Indeno[1,2,3-cd]pyrene	20.000	21.026	-5.1	125	0.31
91	T,P	Dibenz[a,h]anthracene	20.000	21.440	-7.2	127	0.31
92	T,P	Benzo[g,h,i]perylene	20.000	21.163	-5.8	128	0.19

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230508\R0508004.D Vial: 4
Acq On : 8 May 2023 11:17 am Operator: JP
Sample : BNA CCV0508-2 Inst : Ralph
Misc : SV6-106-17 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 9 16:36 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230410

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.15	152	1002860	25.00	ug/mL	-0.20
20) Naphthalene-d8	7.77	136	3728102	25.00	ug/mL	-0.20
35) Acenaphthene-d10	9.99	164	1870111	25.00	ug/mL	-0.20
61) Phenanthrene-d10	11.86	188	2784253	25.00	ug/mL	-0.22
75) Chrysene-d12	16.40	240	2115715	25.00	ug/mL	-0.30
86) Perylene-d12	19.39	264	2345350	25.00	ug/mL	-0.38
System Monitoring Compounds						
4) 2-Fluorophenol	4.61	112	1286332	21.75	ug/mL	-0.13
Spiked Amount 40.000	Range 21 - 110		Recovery = 54.37%			
5) Phenol-d6	5.74	99	1506325	20.41	ug/mL	-0.11
Spiked Amount 40.000	Range 10 - 110		Recovery = 51.02%			
21) Nitrobenzene-d5	6.85	82	1107452	18.93	ug/mL	-0.19
Spiked Amount 40.000	Range 35 - 114		Recovery = 47.33%			
40) 2-Fluorobiphenyl	9.12	172	1873151	20.42	ug/mL	-0.19
Spiked Amount 40.000	Range 43 - 116		Recovery = 51.05%			
65) 2,4,6-Tribromophenol	10.98	330	261319	19.81	ug/mL	-0.19
Spiked Amount 40.000	Range 10 - 123		Recovery = 49.52%			
78) Terphenyl-d14	14.33	244	1648643	19.37	ug/mL	-0.27
Spiked Amount 40.000	Range 33 - 141		Recovery = 48.43%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.04	42	513471	19.70	ug/mL#	13
3) Pyridine	3.08	79	1459014	22.16	ug/mL	86
6) Phenol	5.76	94	1850136	23.88	ug/mL#	61
7) Aniline	5.73	93	1804639	20.04	ug/mL#	78
8) bis(2-Chloroethyl)ether	5.79	93	1418393	21.10	ug/mL	94
9) 2-Chlorophenol	5.93	128	1181637	20.96	ug/mL	95
10) n-Decane	5.92	43	1407080	19.45	ug/mL	79
11) 1,3-Dichlorobenzene	6.08	146	1259057	19.73	ug/mL	97
12) 1,4-Dichlorobenzene	6.17	146	1254317	19.43	ug/mL	98
13) Benzyl alcohol	6.32	108	829966	22.21	ug/mL#	81
14) 1,2-Dichlorobenzene	6.37	146	1188358	19.59	ug/mL	97
15) 2-Methylphenol (o-Cresol)	6.50	107	1021067	21.34	ug/mL	91
16) bis(2-Chloroisopropyl)ethe	6.47	45	2251780	20.42	ug/mL	77
17) (3+4)-Methylphenol (m,p-Cr	6.68	107	1326327	21.86	ug/mL	93
18) n-Nitroso-di-n-propylamine	6.64	70	916091	21.56	ug/mL#	76
19) Hexachloroethane	6.80	117	501604	20.31	ug/mL	89
22) Nitrobenzene	6.87	77	1123687	20.64	ug/mL	89
23) Isophorone	7.16	82	2280764	19.91	ug/mL	98
24) 2-Nitrophenol	7.27	139	687764	21.45	ug/mL#	77
25) 2,4-Dimethylphenol	7.34	122	854187	19.01	ug/mL	98
26) bis(2-Chloroethoxy)methane	7.42	93	1476887	20.22	ug/mL	100
27) 2,4-Dichlorophenol	7.64	162	886656	20.44	ug/mL	99
28) 1,2,4-Trichlorobenzene	7.69	180	907149	20.11	ug/mL	96
29) Naphthalene	7.80	128	3016678	19.39	ug/mL#	100
30) 4-Chloroaniline	7.84	65	352159	19.83	ug/mL	91
31) Hexachlorobutadiene	7.94	225	393617	18.74	ug/mL	99
32) 4-Chloro-3-methylphenol	8.50	107	884312	20.73	ug/mL	99
33) 2-Methylnaphthalene	8.67	142	1869118	19.94	ug/mL	97
34) 1-Methylnaphthalene	8.79	142	1710162	19.51	ug/mL	94
36) Hexachlorocyclopentadiene	8.86	237	322979	18.26	ug/mL	99
37) 2,4,6-Trichlorophenol	9.04	196	540900	23.46	ug/mL	98
38) 2,3-Dichloroaniline	9.02	161	985307	20.17	ug/mL	98
39) 2,4,5-Trichlorophenol	9.04	196	540900	20.09	ug/mL	98
41) 2-Chloronaphthalene	9.28	162	1737009	19.80	ug/mL	99

(#) = qualifier out of range (m) = manual integration

JP 6/12/23

Quantitation Report (QT Reviewed)

Data File : X:\SEMIVOLS\RALPH\DATA\R230508\R0508004.D Vial: 4
Acq On : 8 May 2023 11:17 am Operator: JP
Sample : BNA CCV0508-2 Inst : Ralph
Misc : SV6-106-17 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 9 16:36 2023 Quant Results File: SV230410.RES

Quant Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Apr 18 09:13:19 2023
Response via : Initial Calibration
DataAcq Meth : SV230410

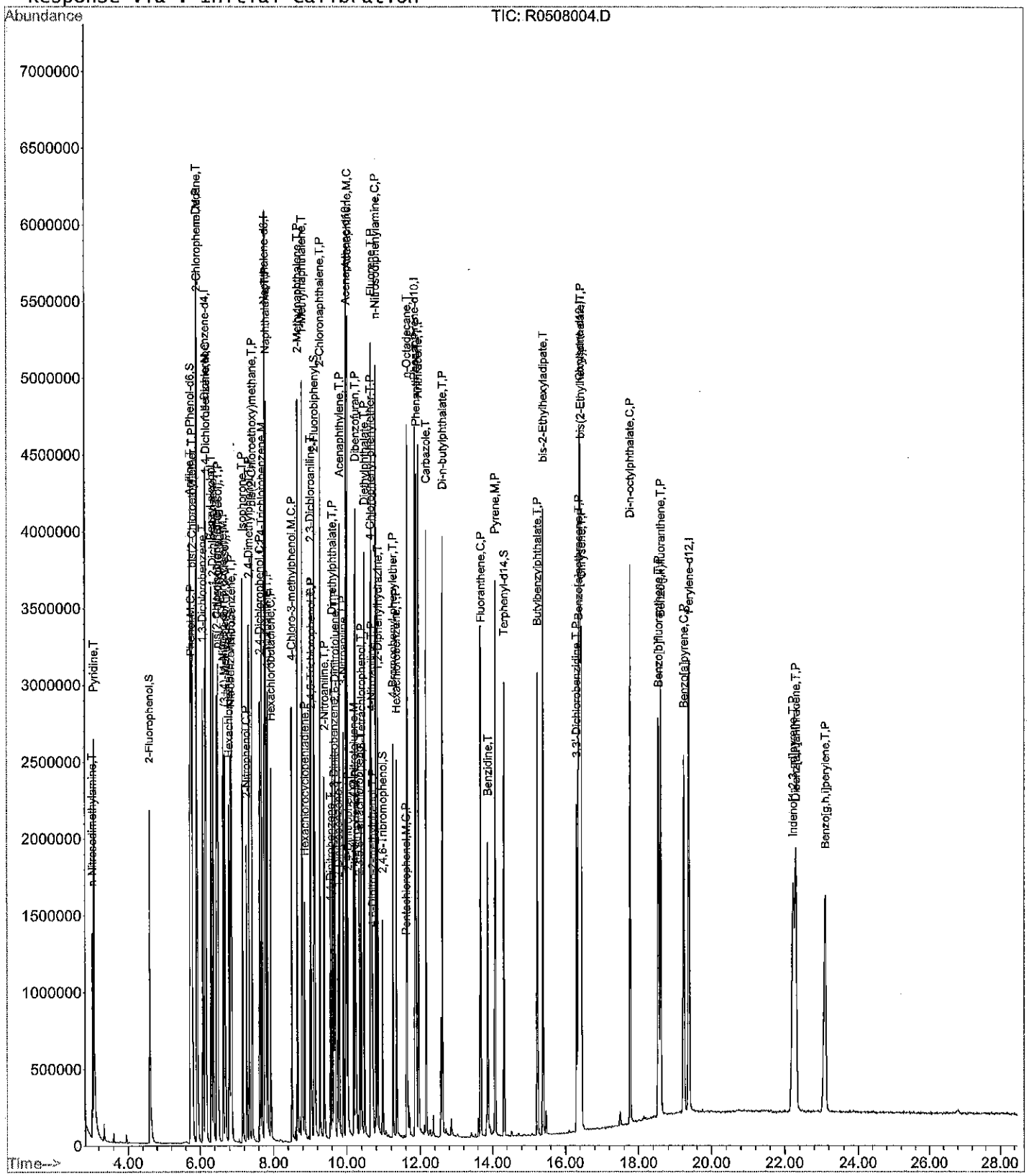
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	2-Nitroaniline	9.41	65	573532	21.27	ug/mL#	80
43)	1,4-Dinitrobenzene	9.57	168	407420	22.94	ug/mL	82
44)	Dimethylphthalate	9.61	163	1893586	19.49	ug/mL	99
45)	1,3-Dinitrobenzene	9.66	168	437527	21.09	ug/mL#	84
46)	2,6-Dinitrotoluene	9.69	165	526505	20.76	ug/mL	81
47)	1,2-Dinitrobenzene	9.77	168	286196	21.04	ug/mL#	60
48)	Acenaphthylene	9.81	152	2576676	19.73	ug/mL	92
49)	3-Nitroaniline	9.92	138	633278	21.55	ug/mL	94
50)	2,4-Dinitrophenol	10.04	184	113704	10.97	ug/mL#	1
51)	Acenaphthene	10.03	154	1564651	19.27	ug/mL	91
52)	4-Nitrophenol	10.25	65	316718m	20.06	ug/mL	
53)	2,4-Dinitrotoluene	10.20	165	668446	20.21	ug/mL#	70
54)	Dibenzofuran	10.24	168	2288746	19.64	ug/mL	66
55)	2,3,5,6-Tetrachlorophenol	10.36	232	328678	16.30	ug/mL	99
56)	2,3,4,6-Tetrachlorophenol	10.41	232	368556	19.33	ug/mL	96
57)	Diethylphthalate	10.49	149	1775386	19.20	ug/mL	100
58)	4-Chlorophenyl-phenylether	10.65	204	765432	20.04	ug/mL	99
59)	4-Nitroaniline	10.68	138	650812	22.25	ug/mL#	81
60)	Fluorene	10.67	166	1800721	19.71	ug/mL	95
62)	4,6-Dinitro-2-methylphenol	10.71	198	238174	13.17	ug/mL#	75
63)	n-Nitrosodiphenylamine	10.80	169	1582608	19.39	ug/mL	90
64)	1,2-Diphenylhydrazine	10.86	182	551857	20.43	ug/mL	91
66)	4-Bromophenyl-phenylether	11.27	248	411153	18.56	ug/mL	93
67)	Hexachlorobenzene	11.36	284	490233	18.52	ug/mL	94
68)	Pentachlorophenol	11.63	266	155272	10.00	ug/mL	96
69)	n-Octadecane	11.65	43	927922	18.74	ug/mL#	70
70)	Phenanthrene	11.90	178	2443853	18.38	ug/mL	99
71)	Anthracene	11.96	178	2568770	19.22	ug/mL	99
72)	Carbazole	12.18	167	2423273	19.08	ug/mL	100
73)	Di-n-butylphthalate	12.63	149	3123629	18.77	ug/mL	99
74)	Fluoranthene	13.69	202	2273096	18.68	ug/mL	91
76)	Benzidine	13.89	184	1408984	18.47	ug/mL	94
77)	Pyrene	14.08	202	2341095	19.11	ug/mL	98
79)	Butylbenzylphthalate	15.24	149	1383632	19.83	ug/mL	98
80)	bis-2-Ethylhexyladipate	15.39	129	1297376	20.73	ug/mL	95
81)	3,3'-Dichlorobenzidine	16.31	252	827864	19.22	ug/mL	97
82)	Benzo[a]anthracene	16.37	228	2047335	18.93	ug/mL	98
83)	Chrysene	16.46	228	1913499	18.85	ug/mL	98
84)	bis(2-Ethylhexyl)phthalate	16.42	149	1882394	20.67	ug/mL	99
85)	Di-n-octylphthalate	17.78	149	3423435	20.28	ug/mL	86
87)	Benzo[b]fluoranthene	18.56	252	2084203	19.11	ug/mL	91
88)	Benzo(j,k)fluoranthene	18.61	252	2040364	19.28	ug/mL	92
89)	Benzo[a]pyrene	19.25	252	1832133	19.54	ug/mL	90
90)	Indeno[1,2,3-cd]pyrene	22.24	276	2005400m	21.03	ug/mL	
91)	Dibenz[a,h]anthracene	22.31	278	1957216	21.44	ug/mL	89
92)	Benzo[g,h,i]perylene	23.12	276	1937877m	21.16	ug/mL	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230508\R0508004.D Vial: 4
Acq On : 8 May 2023 11:17 am Operator: JP
Sample : BNA CCV0508-2 Inst : Ralph
Misc : SV6-106-17 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 9 16:36 2023 Quant Results File: SV230410.RES

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Thu May 11 08:45:53 2023
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : X:\semivols\Jessie\DATA\J230503\
Data File : J0503001.D
Acq On : 3 May 2023 10:10 am
Operator : JP
Sample : BNA CCV0503-1
Misc : SV6-106-12
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 03 10:40:49 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	25.000	25.000	0.0	88	0.00
2	T	n-Nitrosodimethylamine	20.000	20.389	-1.9	86	0.00
3	T	Pyridine	20.000	17.284	13.6	73	0.00
4	S	2-Fluorophenol	20.000	18.453	7.7	77	0.00
5	S	Phenol-d6	20.000	18.149	9.3	77	0.00
6	M,C	Phenol	20.000	18.710	6.4	77	0.00
7	T	Aniline	20.000	16.651	16.7	71	0.00
8	T	bis(2-Chloroethyl)ether	20.000	18.146	9.3	78	0.00
9	M	2-Chlorophenol	20.000	18.738	6.3	81	0.00
10	T	n-Decane	20.000	18.877	5.6	83	0.00
11	T	1,3-Dichlorobenzene	20.000	18.396	8.0	78	0.00
12	M,C	1,4-Dichlorobenzene	20.000	18.692	6.5	78	0.00
13	T	Benzyl alcohol	20.000	23.677	-18.4	97	0.00
14	T	1,2-Dichlorobenzene	20.000	18.402	8.0	79	0.00
15	T	2-Methylphenol (o-Cresol)	20.000	17.217	13.9	75	0.00
16	T	bis(2-Chloroisopropyl)ether	20.000	18.348	8.3	80	0.00
17	T	(3+4)-Methylphenol (m,p-Cre	20.000	18.131	9.3	78	0.00
18	M,P	n-Nitroso-di-n-propylamine	20.000	18.730	6.3	80	0.00
19	T	Hexachloroethane	20.000	19.457	2.7	83	0.00
20	I	Naphthalene-d8	25.000	25.000	0.0	90	0.00
21	S	Nitrobenzene-d5	20.000	18.996	5.0	82	0.00
22	T	Nitrobenzene	20.000	18.596	7.0	79	0.00
23	T	Isophorone	20.000	18.560	7.2	80	0.00
24	C	2-Nitrophenol	20.000	18.997	5.0	78	0.00
25	T	2,4-Dimethylphenol	20.000	17.580	12.1	76	0.00
26	T	bis(2-Chloroethoxy)methane	20.000	18.179	9.1	80	0.00
27	T	Benzoic Acid	20.000	19.016	4.9	75	0.00
28	C	2,4-Dichlorophenol	20.000	18.580	7.1	78	0.00
29	M	1,2,4-Trichlorobenzene	20.000	18.506	7.5	79	0.00
30	T	Naphthalene	20.000	19.007	5.0	80	0.00
31	T	4-Chloroaniline	20.000	17.639	11.8	74	0.00
32	C	Hexachlorobutadiene	20.000	19.034	4.8	82	0.00
33	M,C	4-Chloro-3-methylphenol	20.000	18.990	5.1	79	0.00
34	T	2-Methylnaphthalene	20.000	18.920	5.4	81	0.00
35	T	1-Methylnaphthalene	20.000	18.513	7.4	79	0.00
36	I	Acenaphthene-d10	25.000	25.000	0.0	87	0.00
37	P	Hexachlorocyclopentadiene	20.000	21.932	-9.7	102	0.00
38	C	2,4,6-Trichlorophenol	20.000	19.381	3.1	82	0.00
39	T	2,3-Dichloroaniline	20.000	19.146	4.3	81	0.00
40	T	2,4,5-Trichlorophenol	20.000	19.413	2.9	80	0.00
41	S	2-Fluorobiphenyl	20.000	19.203	4.0	81	0.00
42	T	2-Chloronaphthalene	20.000	18.692	6.5	79	0.00
43	T	2-Nitroaniline	20.000	19.391	3.0	81	0.00
44	T	1,4-Dinitrobenzene	20.000	20.372	-1.9	80	0.00
45	T	Dimethylphthalate	20.000	18.940	5.3	80	0.00
46	T	1,3-Dinitrobenzene	20.000	19.402	3.0	79	0.00

JD 6/2/23

Evaluate Continuing Calibration Report

Data Path : X:\semivols\Jessie\DATA\J230503\
Data File : J0503001.D
Acq On : 3 May 2023 10:10 am
Operator : JP
Sample : BNA CCV0503-1
Misc : SV6-106-12
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 03 10:40:49 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
47	T	2,6-Dinitrotoluene	20.000	18.860	5.7	78	0.00
48	T	1,2-Dinitrobenzene	20.000	19.214	3.9	78	0.00
49	T	Acenaphthylene	20.000	18.780	6.1	79	0.00
50	T	3-Nitroaniline	20.000	18.828	5.9	77	0.00
51	P	2,4-Dinitrophenol	20.000	27.086	-35.4#	140	0.00
52	M,C	Acenaphthene	20.000	19.442	2.8	81	0.00
53	M,P	4-Nitrophenol	20.000	23.410	-17.1	89	0.00
54	M	2,4-Dinitrotoluene	20.000	19.652	1.7	79	0.00
55	T	Dibenzofuran	20.000	19.113	4.4	80	0.00
56	T	2,3,5,6-Tetrachlorophenol	20.000	19.171	4.1	84	0.00
57	T	2,3,4,6-Tetrachlorophenol	20.000	20.913	-4.6	83	0.00
58	T	Diethylphthalate	20.000	19.556	2.2	81	0.00
59	T	4-Chlorophenyl-phenylether	20.000	18.866	5.7	80	0.00
60	T	4-Nitroaniline	20.000	19.010	4.9	77	0.00
61	T	Fluorene	20.000	18.937	5.3	80	0.00
62	I	Phenanthrene-d10	25.000	25.000	0.0	87	0.00
63	T	4,6-Dinitro-2-methylphenol	20.000	20.591	-3.0	101	0.00
64	C	n-Nitrosodiphenylamine	20.000	18.751	6.2	79	0.00
65	T	1,2-Diphenylhydrazine	20.000	18.514	7.4	79	0.00
66	S	2,4,6-Tribromophenol	20.000	20.808	-4.0	82	0.00
67	T	4-Bromophenyl-phenylether	20.000	18.736	6.3	79	0.00
68	T	Hexachlorobenzene	20.000	18.337	8.3	77	0.00
69	M,C	Pentachlorophenol	20.000	22.165	-10.8	92	0.00
70	T	n-Octadecane	20.000	19.757	1.2	85	0.00
71	T	Phenanthrene	20.000	18.704	6.5	80	0.00
72	T	Anthracene	20.000	18.906	5.5	79	0.00
73	T	Carbazole	20.000	18.905	5.5	80	0.00
74	T	Di-n-butylphthalate	20.000	19.753	1.2	81	0.00
75	C	Fluoranthene	20.000	18.790	6.1	79	0.00
76	I	Chrysene-d12	25.000	25.000	0.0	91	0.00
77	T	Benzidine	20.000	19.013	4.9	77	0.00
78	M	Pyrene	20.000	18.160	9.2	79	0.00
79	S	Terphenyl-d14	20.000	18.711	6.4	81	0.00
80	T	Butylbenzylphthalate	20.000	18.760	6.2	81	0.00
81	T	bis-2-Ethylhexyladipate	20.000	18.312	8.4	79	0.00
82	T	3,3'-Dichlorobenzidine	20.000	19.175	4.1	81	0.00
83	T	Benzo[a]anthracene	20.000	18.044	9.8	80	0.00
84	T	Chrysene	20.000	18.262	8.7	79	0.00
85	T	bis(2-Ethylhexyl)phthalate	20.000	19.335	3.3	83	0.00
86	C	Di-n-octylphthalate	20.000	19.012	4.9	81	0.00
87	I	Perylene-d12	25.000	25.000	0.0	89	0.00
88	T	Benzo[b]fluoranthene	20.000	18.328	8.4	80	0.00
89	T	Benzo(j,k)fluoranthene	20.000	19.004	5.0	81	0.00
90	C	Benzo[a]pyrene	20.000	18.900	5.5	81	0.00
91	T	Indeno[1,2,3-cd]pyrene	20.000	19.885	0.6	84	0.00

Data Path : X:\semivols\Jessie\DATA\J230503\
Data File : J0503001.D
Acq On : 3 May 2023 10:10 am
Operator : JP
Sample : BNA CCV0503-1
Misc : SV6-106-12
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 03 10:40:49 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
92 T	Dibenz[a,h]anthracene	20.000	20.147	-0.7	84	0.00
93 T	Benzo[g,h,i]perylene	20.000	19.884	0.6	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230503\
Data File : J0503001.D
Acq On : 3 May 2023 10:10 am
Operator : JP
Sample : BNA CCV0503-1
Misc : SV6-106-12
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 03 10:40:49 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.148	152	337616	25.00	ug/mL	-0.05
20) Naphthalene-d8	7.770	136	1357192	25.00	ug/mL	-0.05
36) Acenaphthene-d10	9.996	164	826874	25.00	ug/mL	-0.05
62) Phenanthrene-d10	11.888	188	1361038	25.00	ug/mL	-0.06
76) Chrysene-d12	16.471	240	1279583	25.00	ug/mL	-0.09
87) Perylene-d12	19.497	264	1292383	25.00	ug/mL	-0.12
System Monitoring Compounds						
4) 2-Fluorophenol	4.562	112	356116	18.45	ug/mL	-0.03
Spiked Amount 40.000	Range 21 - 110		Recovery = 46.13%			
5) Phenol-d6	5.684	99	439444	18.15	ug/mL	-0.03
Spiked Amount 40.000	Range 10 - 110		Recovery = 45.38%			
21) Nitrobenzene-d5	6.847	82	435921	19.00	ug/mL	-0.05
Spiked Amount 40.000	Range 35 - 114		Recovery = 47.50%			
41) 2-Fluorobiphenyl	9.121	172	815947	19.20	ug/mL	-0.05
Spiked Amount 40.000	Range 43 - 116		Recovery = 48.00%			
66) 2,4,6-Tribromophenol	10.989	330	109327	20.81	ug/mL	-0.05
Spiked Amount 40.000	Range 10 - 123		Recovery = 52.02%			
79) Terphenyl-d14	14.386	244	958496	18.71	ug/mL	-0.07
Spiked Amount 40.000	Range 33 - 141		Recovery = 46.77%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.087	42	242910	20.39	ug/mL#	43
3) Pyridine	3.128	79	323512	17.28	ug/mL#	53
6) Phenol	5.701	94	507178	18.71	ug/mL	95
7) Aniline	5.731	93	493034	16.65	ug/mL	79
8) bis(2-Chloroethyl)ether	5.790	93	386263	18.15	ug/mL	97
9) 2-Chlorophenol	5.901	128	372926	18.74	ug/mL	99
10) n-Decane	5.901	43	552532	18.88	ug/mL	90
11) 1,3-Dichlorobenzene	6.077	146	396425	18.40	ug/mL	99
12) 1,4-Dichlorobenzene	6.171	146	409789	18.69	ug/mL	98
13) Benzyl alcohol	6.307	108	259284	23.68	ug/mL	95
14) 1,2-Dichlorobenzene	6.365	146	379095	18.40	ug/mL	99
15) 2-Methylphenol (o-Cresol)	6.453	107	300733	17.22	ug/mL#	81
16) bis(2-Chloroisopropyl)...	6.465	45	719035	18.35	ug/mL#	70
17) (3+4)-Methylphenol (m,...	6.647	107	389956	18.13	ug/mL	97
18) n-Nitroso-di-n-propyla...	6.636	70	286442	18.73	ug/mL	82
19) Hexachloroethane	6.794	117	175586	19.46	ug/mL	85
22) Nitrobenzene	6.871	77	427187	18.60	ug/mL	97
23) Isophorone	7.170	82	791498	18.56	ug/mL	88
24) 2-Nitrophenol	7.270	139	204027	19.00	ug/mL	88
25) 2,4-Dimethylphenol	7.317	122	282946	17.58	ug/mL	92
26) bis(2-Chloroethoxy)met...	7.417	93	458601	18.18	ug/mL	95
27) Benzoic Acid	7.441	105	195469	19.02	ug/mL#	100
28) 2,4-Dichlorophenol	7.605	162	310260	18.58	ug/mL	95
29) 1,2,4-Trichlorobenzene	7.687	180	320439	18.51	ug/mL	98
30) Naphthalene	7.799	128	1097739	19.01	ug/mL	99
31) 4-Chloroaniline	7.846	65	147950	17.64	ug/mL	95
32) Hexachlorobutadiene	7.934	225	182543	19.03	ug/mL	99
33) 4-Chloro-3-methylphenol	8.475	107	363335	18.99	ug/mL	99
34) 2-Methylnaphthalene	8.669	142	732137	18.92	ug/mL	99

JP 6/2/23

Data Path : X:\semivols\Jessie\DATA\J230503\
Data File : J0503001.D
Acq On : 3 May 2023 10:10 am
Operator : JP
Sample : BNA CCV0503-1
Misc : SV6-106-12
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 03 10:40:49 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	8.798	142	672543	18.51	ug/mL	100
37) Hexachlorocyclopentadiene	8.857	237	176970	21.93	ug/mL	99
38) 2,4,6-Trichlorophenol	9.021	196	224630	19.38	ug/mL	99
39) 2,3-Dichloroaniline	9.021	161	388156	19.15	ug/mL	98
40) 2,4,5-Trichlorophenol	9.109	196	242675	19.41	ug/mL	99
42) 2-Chloronaphthalene	9.291	162	696900	18.69	ug/mL	99
43) 2-Nitroaniline	9.409	65	273633	19.39	ug/mL	93
44) 1,4-Dinitrobenzene	9.573	168	130691	20.37	ug/mL#	84
45) Dimethylphthalate	9.620	163	822432	18.94	ug/mL	99
46) 1,3-Dinitrobenzene	9.673	168	145141	19.40	ug/mL#	69
47) 2,6-Dinitrotoluene	9.703	165	192344	18.86	ug/mL#	82
48) 1,2-Dinitrobenzene	9.785	168	95666	19.21	ug/mL	92
49) Acenaphthylene	9.820	152	1022692	18.78	ug/mL	99
50) 3-Nitroaniline	9.409	138	255225	18.83	ug/mL#	51
51) 2,4-Dinitrophenol	10.049	184	83622	27.09	ug/mL#	1
52) Acenaphthene	10.038	154	691312	19.44	ug/mL	98
53) 4-Nitrophenol	10.196	65	204941	23.41	ug/mL#	81
54) 2,4-Dinitrotoluene	10.208	165	258342	19.65	ug/mL#	80
55) Dibenzofuran	10.249	168	1002055	19.11	ug/mL	88
56) 2,3,5,6-Tetrachlorophenol	10.349	232	182968	19.17	ug/mL	88
57) 2,3,4,6-Tetrachlorophenol	10.402	232	190370	20.91	ug/mL	87
58) Diethylphthalate	10.496	149	830796	19.56	ug/mL	96
59) 4-Chlorophenyl-phenyle...	10.666	204	386248	18.87	ug/mL	89
60) 4-Nitroaniline	10.702	138	221900	19.01	ug/mL#	87
61) Fluorene	10.684	166	833659	18.94	ug/mL	99
63) 4,6-Dinitro-2-methylph...	10.725	198	137989	20.59	ug/mL#	78
64) n-Nitrosodiphenylamine	10.813	169	701474	18.75	ug/mL	97
65) 1,2-Diphenylhydrazine	10.866	182	223508	18.51	ug/mL#	42
67) 4-Bromophenyl-phenylether	11.283	248	215774	18.74	ug/mL#	87
68) Hexachlorobenzene	11.371	284	218251	18.34	ug/mL	89
69) Pentachlorophenol	11.630	266	133176	22.16	ug/mL	98
70) n-Octadecane	11.659	43	543507	19.76	ug/mL	92
71) Phenanthrene	11.924	178	1130928	18.70	ug/mL	98
72) Anthracene	11.994	178	1133909	18.91	ug/mL	98
73) Carbazole	12.206	167	1099536	18.90	ug/mL	97
74) Di-n-butylphthalate	12.652	149	1413472	19.75	ug/mL	98
75) Fluoranthene	13.733	202	1252896	18.79	ug/mL	86
77) Benzidine	13.939	184	641103	19.01	ug/mL	90
78) Pyrene	14.139	202	1276835	18.16	ug/mL	98
80) Butylbenzylphthalate	15.302	149	652485	18.76	ug/mL	92
81) bis-2-Ethylhexyladipate	15.443	129	602373	18.31	ug/mL	95
82) 3,3'-Dichlorobenzidine	16.389	252	450483	19.17	ug/mL	95
83) Benzo[a]anthracene	16.448	228	1192183	18.04	ug/mL	99
84) Chrysene	16.524	228	1066782	18.26	ug/mL	98
85) bis(2-Ethylhexyl)phtha...	16.477	149	951592	19.34	ug/mL	94
86) Di-n-octylphthalate	17.840	149	1618495	19.01	ug/mL	95
88) Benzo[b]fluoranthene	18.639	252	1172772	18.33	ug/mL	89
89) Benzo(j,k)fluoranthene	18.704	252	1146636	19.00	ug/mL	89
90) Benzo[a]pyrene	19.362	252	1024022	18.90	ug/mL	88
91) Indeno[1,2,3-cd]pyrene	22.447	276	1144353	19.88	ug/mL	72
92) Dibenz[a,h]anthracene	22.523	278	1113917	20.15	ug/mL	87
93) Benzo[g,h,i]perylene	23.352	276	1086083	19.88	ug/mL	82

Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230503\
Data File : J0503001.D
Acq On : 3 May 2023 10:10 am
Operator : JP
Sample : BNA CCV0503-1
Misc : SV6-106-12
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 03 10:40:49 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

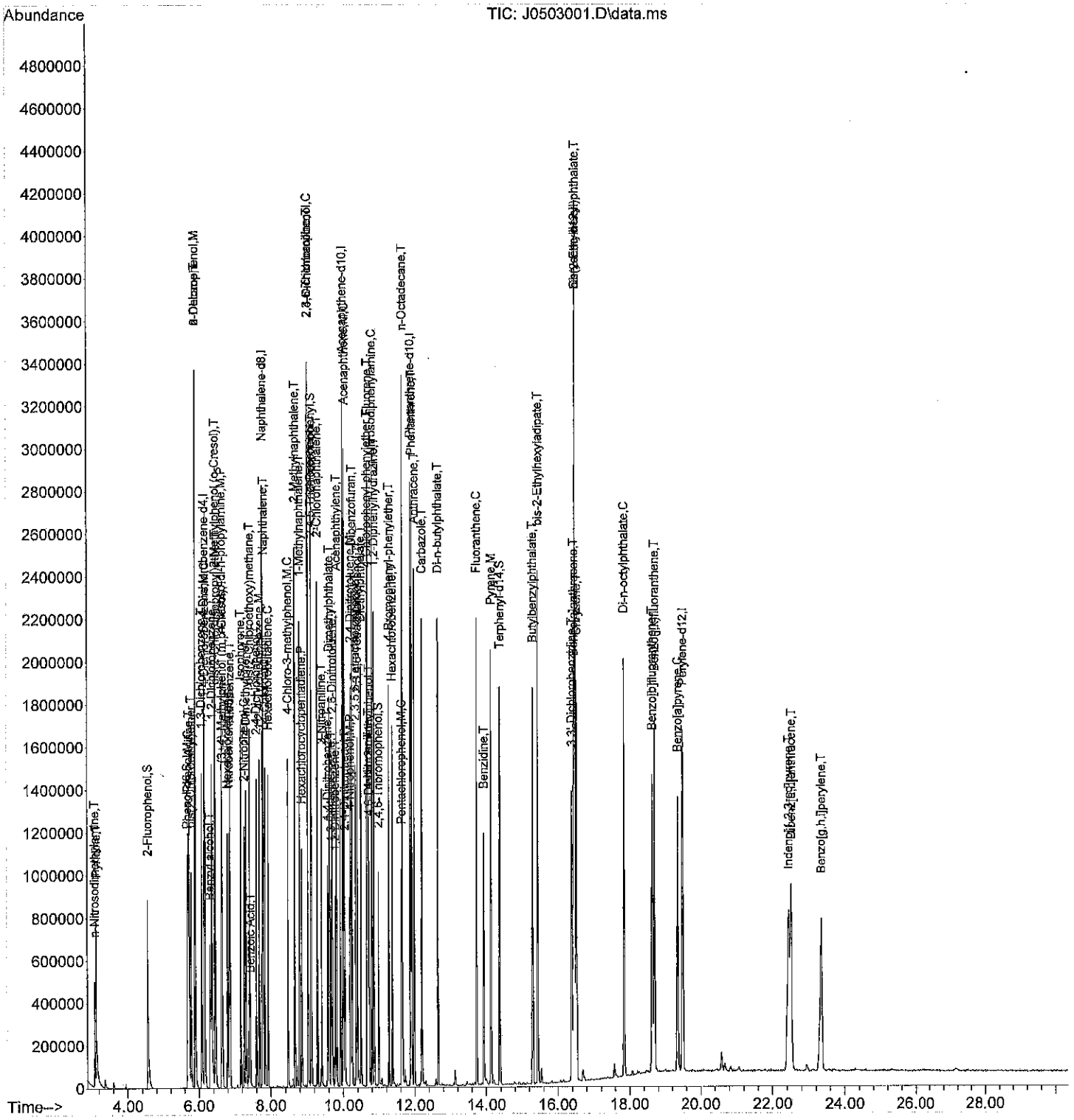
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230503\
Data File : J0503001.D
Acq On : 3 May 2023 10:10 am
Operator : JP
Sample : BNA CCV0503-1
Misc : SV6-106-12
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 03 10:40:49 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : X:\semivols\Jessie\DATA\J230509\
Data File : J0509016.D
Acq On : 9 May 2023 3:30 pm
Operator : JP
Sample : BNA CCV0509-1
Misc : SV6-107-03
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 09 16:00:54 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	25.000	25.000	0.0	80	0.00
2	T	n-Nitrosodimethylamine	20.000	21.640	-8.2	83	0.00
3	T	Pyridine	20.000	17.214	13.9	66	-0.01
4	S	2-Fluorophenol	20.000	23.802	-19.0	90	-0.02
5	S	Phenol-d6	20.000	23.761	-18.8	92	-0.02
6	M,C	Phenol	20.000	19.124	4.4	72	-0.02
7	T	Aniline	20.000	18.228	8.9	70	0.00
8	T	bis(2-Chloroethyl)ether	20.000	17.846	10.8	70	0.00
9	M	2-Chlorophenol	20.000	18.393	8.0	72	0.00
10	T	n-Decane	20.000	19.839	0.8	79	0.00
11	T	1,3-Dichlorobenzene	20.000	18.598	7.0	72	0.00
12	M,C	1,4-Dichlorobenzene	20.000	18.579	7.1	71	0.00
13	T	Benzyl alcohol	20.000	19.423	2.9	73	0.00
14	T	1,2-Dichlorobenzene	20.000	18.435	7.8	72	0.00
15	T	2-Methylphenol (o-Cresol)	20.000	17.728	11.4	70	-0.02
16	T	bis(2-Chloroisopropyl)ether	20.000	19.918	0.4	79	0.00
17	T	(3+4)-Methylphenol (m,p-Cre	20.000	18.329	8.4	72	-0.02
18	M,P	n-Nitroso-di-n-propylamine	20.000	18.836	5.8	73	0.00
19	T	Hexachloroethane	20.000	18.914	5.4	74	0.00
20	I	Naphthalene-d8	25.000	25.000	0.0	83	0.00
21	S	Nitrobenzene-d5	20.000	24.445	-22.2	97	0.00
22	T	Nitrobenzene	20.000	18.581	7.1	73	0.00
23	T	Isophorone	20.000	18.274	8.6	73	0.00
24	C	2-Nitrophenol	20.000	18.536	7.3	70	0.00
25	T	2,4-Dimethylphenol	20.000	17.889	10.6	71	-0.01
26	T	bis(2-Chloroethoxy)methane	20.000	17.579	12.1	71	0.00
27	T	Benzoic Acid	20.000	21.796	-9.0	81	-0.01
28	C	2,4-Dichlorophenol	20.000	18.079	9.6	70	-0.01
29	M	1,2,4-Trichlorobenzene	20.000	17.700	11.5	70	0.00
30	T	Naphthalene	20.000	18.603	7.0	72	0.00
31	T	4-Chloroaniline	20.000	19.296	3.5	75	0.00
32	C	Hexachlorobutadiene	20.000	19.006	5.0	75	0.00
33	M,C	4-Chloro-3-methylphenol	20.000	18.349	8.3	71	-0.02
34	T	2-Methylnaphthalene	20.000	18.307	8.5	72	0.00
35	T	1-Methylnaphthalene	20.000	18.575	7.1	73	0.00
36	I	Acenaphthene-d10	25.000	25.000	0.0	81	0.00
37	P	Hexachlorocyclopentadiene	20.000	21.916	-9.6	95	0.00
38	C	2,4,6-Trichlorophenol	20.000	18.680	6.6	74	0.00
39	T	2,3-Dichloroaniline	20.000	18.190	9.0	72	0.00
40	T	2,4,5-Trichlorophenol	20.000	18.480	7.6	71	-0.02
41	S	2-Fluorobiphenyl	20.000	23.919	-19.6	94	0.00
42	T	2-Chloronaphthalene	20.000	18.071	9.6	71	0.00
43	T	2-Nitroaniline	20.000	19.132	4.3	75	0.00
44	T	1,4-Dinitrobenzene	20.000	19.202	4.0	70	0.00
45	T	Dimethylphthalate	20.000	18.149	9.3	72	0.00
46	T	1,3-Dinitrobenzene	20.000	18.435	7.8	70	0.00

VP 6/12/23

Data Path : X:\semivols\Jessie\DATA\J230509\
Data File : J0509016.D
Acq On : 9 May 2023 3:30 pm
Operator : JP
Sample : BNA CCV0509-1
Misc : SV6-107-03
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 09 16:00:54 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
47	T	2,6-Dinitrotoluene	20.000	17.974	10.1	70	0.00
48	T	1,2-Dinitrobenzene	20.000	18.520	7.4	71	0.00
49	T	Acenaphthylene	20.000	18.385	8.1	72	0.00
50	T	3-Nitroaniline	20.000	17.804	11.0	68	0.00
51	P	2,4-Dinitrophenol	20.000	26.301	-31.5#	125	0.00
52	M,C	Acenaphthene	20.000	18.841	5.8	74	0.00
53	M,P	4-Nitrophenol	20.000	23.243	-16.2	82	-0.03
54	M	2,4-Dinitrotoluene	20.000	18.939	5.3	71	0.00
55	T	Dibenzofuran	20.000	18.197	9.0	71	0.00
56	T	2,3,5,6-Tetrachlorophenol	20.000	17.880	10.6	73	0.00
57	T	2,3,4,6-Tetrachlorophenol	20.000	19.149	4.3	71	0.00
58	T	Diethylphthalate	20.000	18.840	5.8	73	0.00
59	T	4-Chlorophenyl-phenylether	20.000	17.673	11.6	70	-0.01
60	T	4-Nitroaniline	20.000	19.118	4.4	72	0.00
61	T	Fluorene	20.000	18.145	9.3	71	0.00
62	I	Phenanthrene-d10	25.000	25.000	0.0	81	0.00
63	T	4,6-Dinitro-2-methylphenol	20.000	18.828	5.9	85	0.00
64	C	n-Nitrosodiphenylamine	20.000	18.167	9.2	71	0.00
65	T	1,2-Diphenylhydrazine	20.000	17.513	12.4	70	0.00
66	S	2,4,6-Tribromophenol	20.000	25.488	-27.4#	94	0.00
67	T	4-Bromophenyl-phenylether	20.000	17.759	11.2	70	0.00
68	T	Hexachlorobenzene	20.000	17.940	10.3	70	0.00
69	M,C	Pentachlorophenol	20.000	21.179	-5.9	81	-0.01
70	T	n-Octadecane	20.000	20.520	-2.6	83	0.00
71	T	Phenanthrene	20.000	17.973	10.1	72	0.00
72	T	Anthracene	20.000	18.313	8.4	71	0.00
73	T	Carbazole	20.000	18.398	8.0	73	-0.01
74	T	Di-n-butylphthalate	20.000	18.806	6.0	72	0.00
75	C	Fluoranthene	20.000	18.110	9.5	71	0.00
76	I	Chrysene-d12	25.000	25.000	0.0	83	-0.01
77	T	Benzidine	20.000	21.358	-6.8	79	0.00
78	M	Pyrene	20.000	17.702	11.5	71	-0.01
79	S	Terphenyl-d14	20.000	23.697	-18.5	94	-0.01
80	T	Butylbenzylphthalate	20.000	18.393	8.0	72	-0.01
81	T	bis-2-Ethylhexyladipate	20.000	17.600	12.0	70	-0.01
82	T	3,3'-Dichlorobenzidine	20.000	18.541	7.3	72	-0.01
83	T	Benzo[a]anthracene	20.000	17.352	13.2	70	-0.02
84	T	Chrysene	20.000	17.963	10.2	71	-0.01
85	T	bis(2-Ethylhexyl)phthalate	20.000	18.309	8.5	72	-0.01
86	C	Di-n-octylphthalate	20.000	18.259	8.7	71	0.00
87	I	Perylene-d12	25.000	25.000	0.0	81	-0.01
88	T	Benzo[b]fluoranthene	20.000	17.673	11.6	70	-0.01
89	T	Benzo(j,k)fluoranthene	20.000	18.091	9.5	70	-0.01
90	C	Benzo[a]pyrene	20.000	18.016	9.9	70	-0.01
91	T	Indeno[1,2,3-cd]pyrene	20.000	18.274	8.6	70	-0.02

Evaluate Continuing Calibration Report

Data Path : X:\semivols\Jessie\DATA\J230509\
Data File : J0509016.D
Acq On : 9 May 2023 3:30 pm
Operator : JP
Sample : BNA CCV0509-1
Misc : SV6-107-03
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 09 16:00:54 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
92 T	Dibenz[a,h]anthracene	20.000	19.141	4.3	72	-0.02
93 T	Benzo[g,h,i]perylene	20.000	18.915	5.4	72	-0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230509\
Data File : J0509016.D
Acq On : 9 May 2023 3:30 pm
Operator : JP
Sample : BNA CCV0509-1
Misc : SV6-107-03
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 09 16:00:54 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.142	152	307478	25.00	ug/mL	0.00
20) Naphthalene-d8	7.764	136	1249519	25.00	ug/mL	0.00
36) Acenaphthene-d10	9.991	164	772470	25.00	ug/mL	0.00
62) Phenanthrene-d10	11.883	188	1269389	25.00	ug/mL	0.00
76) Chrysene-d12	16.460	240	1171657	25.00	ug/mL	-0.01
87) Perylene-d12	19.486	264	1173745	25.00	ug/mL	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.544	112	418346	23.80	ug/mL	-0.02
Spiked Amount 40.000	Range 21 - 110		Recovery = 59.50%			
5) Phenol-d6	5.666	99	523969	23.76	ug/mL	-0.02
Spiked Amount 40.000	Range 10 - 110		Recovery = 59.40%			
21) Nitrobenzene-d5	6.841	82	516459	24.45	ug/mL	0.00
Spiked Amount 40.000	Range 35 - 114		Recovery = 61.12%			
41) 2-Fluorobiphenyl	9.115	172	949486	23.92	ug/mL	0.00
Spiked Amount 40.000	Range 43 - 116		Recovery = 59.80%			
66) 2,4,6-Tribromophenol	10.984	330	124898	25.49	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 123		Recovery = 63.73%			
79) Terphenyl-d14	14.374	244	1111525	23.70	ug/mL	-0.01
Spiked Amount 40.000	Range 33 - 141		Recovery = 59.25%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.081	42	234809	21.64	ug/mL#	43
3) Pyridine	3.116	79	293444	17.21	ug/mL#	47
6) Phenol	5.684	94	472118	19.12	ug/mL	85
7) Aniline	5.731	93	491563	18.23	ug/mL	88
8) bis(2-Chloroethyl)ether	5.784	93	345951	17.85	ug/mL	94
9) 2-Chlorophenol	5.895	128	333390	18.39	ug/mL	98
10) n-Decane	5.895	43	528852	19.84	ug/mL	91
11) 1,3-Dichlorobenzene	6.078	146	365006	18.60	ug/mL	100
12) 1,4-Dichlorobenzene	6.166	146	370961	18.58	ug/mL	100
13) Benzyl alcohol	6.301	108	193717	19.42	ug/mL	95
14) 1,2-Dichlorobenzene	6.360	146	345882	18.44	ug/mL	99
15) 2-Methylphenol (o-Cresol)	6.436	107	282015	17.73	ug/mL#	79
16) bis(2-Chloroisopropyl)...	6.460	45	710908	19.92	ug/mL#	73
17) (3+4)-Methylphenol (m,...	6.630	107	359020	18.33	ug/mL	97
18) n-Nitroso-di-n-propyla...	6.630	70	262349	18.84	ug/mL	79
19) Hexachloroethane	6.794	117	155448	18.91	ug/mL	86
22) Nitrobenzene	6.865	77	392979	18.58	ug/mL	96
23) Isophorone	7.165	82	717466	18.27	ug/mL	89
24) 2-Nitrophenol	7.265	139	183281	18.54	ug/mL	88
25) 2,4-Dimethylphenol	7.306	122	265079	17.89	ug/mL	91
26) bis(2-Chloroethoxy)met...	7.411	93	408293	17.58	ug/mL	94
27) Benzoic Acid	7.429	105	212258	21.80	ug/mL#	100
28) 2,4-Dichlorophenol	7.594	162	277948	18.08	ug/mL	95
29) 1,2,4-Trichlorobenzene	7.682	180	282162	17.70	ug/mL	100
30) Naphthalene	7.793	128	989167	18.60	ug/mL	100
31) 4-Chloroaniline	7.840	65	149013	19.30	ug/mL	93
32) Hexachlorobutadiene	7.928	225	167818	19.01	ug/mL	99
33) 4-Chloro-3-methylphenol	8.457	107	323210	18.35	ug/mL	98
34) 2-Methylnaphthalene	8.663	142	652228	18.31	ug/mL	100

JP
6/2/23

Data Path : X:\semivols\Jessie\DATA\J230509\
Data File : J0509016.D
Acq On : 9 May 2023 3:30 pm
Operator : JP
Sample : BNA CCV0509-1
Misc : SV6-107-03
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 09 16:00:54 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	8.792	142	621268	18.58	ug/mL	100
37) Hexachlorocyclopentadiene	8.851	237	165200	21.92	ug/mL	99
38) 2,4,6-Trichlorophenol	9.015	196	202254	18.68	ug/mL	100
39) 2,3-Dichloroaniline	9.015	161	344525	18.19	ug/mL	97
40) 2,4,5-Trichlorophenol	9.092	196	215811	18.48	ug/mL	99
42) 2-Chloronaphthalene	9.286	162	629412	18.07	ug/mL	99
43) 2-Nitroaniline	9.403	65	252207	19.13	ug/mL	91
44) 1,4-Dinitrobenzene	9.568	168	115080	19.20	ug/mL#	86
45) Dimethylphthalate	9.615	163	736223	18.15	ug/mL	99
46) 1,3-Dinitrobenzene	9.668	168	128836	18.43	ug/mL#	70
47) 2,6-Dinitrotoluene	9.697	165	171243	17.97	ug/mL	83
48) 1,2-Dinitrobenzene	9.779	168	86141	18.52	ug/mL	87
49) Acenaphthylene	9.815	152	935339	18.39	ug/mL	100
50) 3-Nitroaniline	9.403	138	225465	17.80	ug/mL#	54
51) 2,4-Dinitrophenol	10.044	184	74631	26.30	ug/mL#	1
52) Acenaphthene	10.032	154	625858	18.84	ug/mL	98
53) 4-Nitrophenol	10.167	65	190088	23.24	ug/mL	81
54) 2,4-Dinitrotoluene	10.202	165	232591	18.94	ug/mL	89
55) Dibenzofuran	10.243	168	891295	18.20	ug/mL	88
56) 2,3,5,6-Tetrachlorophenol	10.343	232	159202	17.88	ug/mL	88
57) 2,3,4,6-Tetrachlorophenol	10.396	232	162843	19.15	ug/mL	84
58) Diethylphthalate	10.490	149	747735	18.84	ug/mL	97
59) 4-Chlorophenyl-phenyle...	10.655	204	338019	17.67	ug/mL	88
60) 4-Nitroaniline	10.696	138	208482	19.12	ug/mL#	80
61) Fluorene	10.678	166	746241	18.15	ug/mL	100
63) 4,6-Dinitro-2-methylph...	10.719	198	116121	18.83	ug/mL#	79
64) n-Nitrosodiphenylamine	10.807	169	633842	18.17	ug/mL	98
65) 1,2-Diphenylhydrazine	10.860	182	197184	17.51	ug/mL#	48
67) 4-Bromophenyl-phenylether	11.278	248	190751	17.76	ug/mL#	88
68) Hexachlorobenzene	11.366	284	199141	17.94	ug/mL	90
69) Pentachlorophenol	11.618	266	117765	21.18	ug/mL	99
70) n-Octadecane	11.654	43	526490	20.52	ug/mL	91
71) Phenanthrene	11.918	178	1013512	17.97	ug/mL	98
72) Anthracene	11.988	178	1024368	18.31	ug/mL	98
73) Carbazole	12.194	167	997992	18.40	ug/mL	96
74) Di-n-butylphthalate	12.647	149	1255104	18.81	ug/mL	98
75) Fluoranthene	13.728	202	1126216	18.11	ug/mL	87
77) Benzidine	13.933	184	659431	21.36	ug/mL	89
78) Pyrene	14.127	202	1139656	17.70	ug/mL	98
80) Butylbenzylphthalate	15.291	149	585762	18.39	ug/mL	93
81) bis-2-Ethylhexyladipate	15.432	129	530123	17.60	ug/mL	96
82) 3,3'-Dichlorobenzidine	16.378	252	398869	18.54	ug/mL	97
83) Benzo[a]anthracene	16.430	228	1049742	17.35	ug/mL	99
84) Chrysene	16.513	228	960836	17.96	ug/mL	98
85) bis(2-Ethylhexyl)phtha...	16.466	149	825084	18.31	ug/mL	95
86) Di-n-octylphthalate	17.835	149	1423254	18.26	ug/mL	97
88) Benzo[b]fluoranthene	18.628	252	1027078	17.67	ug/mL	89
89) Benzo(j,k)fluoranthene	18.692	252	991357	18.09	ug/mL	90
90) Benzo[a]pyrene	19.351	252	886547	18.02	ug/mL	89
91) Indeno[1,2,3-cd]pyrene	22.429	276	955116	18.27	ug/mL	73
92) Dibenz[a,h]anthracene	22.500	278	961159	19.14	ug/mL	87
93) Benzo[g,h,i]perylene	23.334	276	938289	18.91	ug/mL	83

Data Path : X:\semivols\Jessie\DATA\J230509\
Data File : J0509016.D
Acq On : 9 May 2023 3:30 pm
Operator : JP
Sample : BNA CCV0509-1
Misc : SV6-107-03
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 09 16:00:54 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration

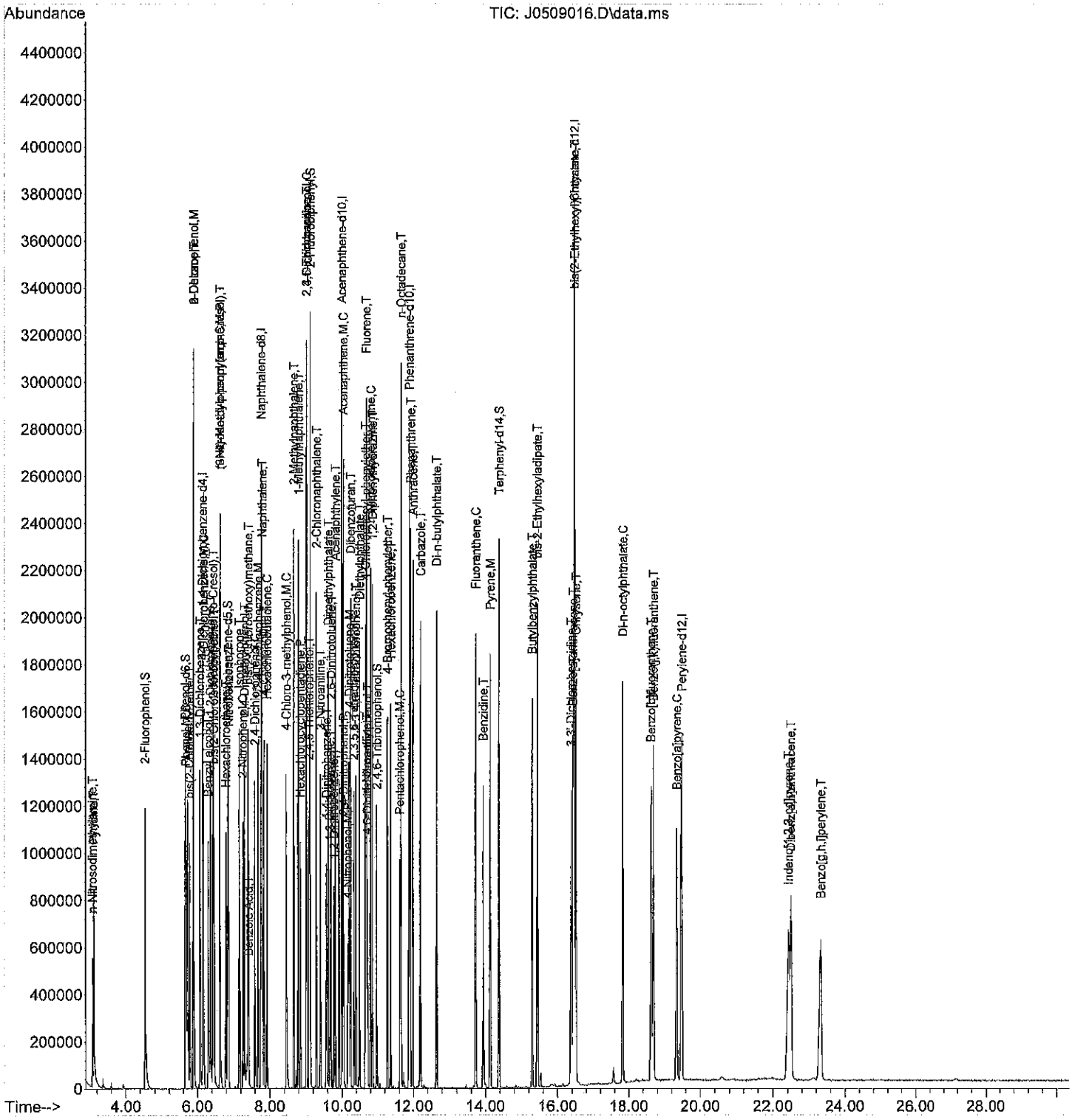
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230509\
Data File : J0509016.D
Acq On : 9 May 2023 3:30 pm
Operator : JP
Sample : BNA CCV0509-1
Misc : SV6-107-03
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 09 16:00:54 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : X:\semivols\Jessie\DATA\J230510\
Data File : J0510001.D
Acq On : 10 May 2023 8:42 am
Operator : JP
Sample : BNA CCV0510-1
Misc : SV6-107-04
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 10 09:13:03 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	25.000	25.000	0.0	83	0.00
2	T	n-Nitrosodimethylamine	20.000	20.843	-4.2	84	0.00
3	T	Pyridine	20.000	17.436	12.8	70	-0.01
4	S	2-Fluorophenol	20.000	23.365	-16.8	92	-0.02
5	S	Phenol-d6	20.000	23.282	-16.4	93	-0.02
6	M,C	Phenol	20.000	18.788	6.1	74	-0.02
7	T	Aniline	20.000	17.535	12.3	70	0.00
8	T	bis(2-Chloroethyl)ether	20.000	17.803	11.0	72	0.00
9	M	2-Chlorophenol	20.000	18.843	5.8	77	0.00
10	T	n-Decane	20.000	18.850	5.7	79	0.00
11	T	1,3-Dichlorobenzene	20.000	18.389	8.1	74	0.00
12	M,C	1,4-Dichlorobenzene	20.000	18.593	7.0	74	0.00
13	T	Benzyl alcohol	20.000	22.177	-10.9	86	0.00
14	T	1,2-Dichlorobenzene	20.000	18.429	7.9	75	0.00
15	T	2-Methylphenol (o-Cresol)	20.000	18.204	9.0	75	-0.01
16	T	bis(2-Chloroisopropyl)ether	20.000	18.834	5.8	78	0.00
17	T	(3+4)-Methylphenol (m,p-Cre	20.000	18.580	7.1	75	-0.01
18	M,P	n-Nitroso-di-n-propylamine	20.000	19.148	4.3	77	0.00
19	T	Hexachloroethane	20.000	17.763	11.2	72	0.00
20	I	Naphthalene-d8	25.000	25.000	0.0	87	0.00
21	S	Nitrobenzene-d5	20.000	24.208	-21.0	102	0.00
22	T	Nitrobenzene	20.000	18.573	7.1	77	0.00
23	T	Isophorone	20.000	18.192	9.0	77	0.00
24	C	2-Nitrophenol	20.000	18.011	9.9	72	0.00
25	T	2,4-Dimethylphenol	20.000	18.534	7.3	77	-0.01
26	T	bis(2-Chloroethoxy)methane	20.000	17.639	11.8	75	0.00
27	T	Benzoic Acid	20.000	23.683	-18.4	95	0.00
28	C	2,4-Dichlorophenol	20.000	18.352	8.2	75	-0.01
29	M	1,2,4-Trichlorobenzene	20.000	18.003	10.0	75	0.00
30	T	Naphthalene	20.000	18.594	7.0	76	0.00
31	T	4-Chloroaniline	20.000	19.033	4.8	78	0.00
32	C	Hexachlorobutadiene	20.000	19.499	2.5	81	0.00
33	M,C	4-Chloro-3-methylphenol	20.000	18.635	6.8	76	-0.01
34	T	2-Methylnaphthalene	20.000	18.540	7.3	77	0.00
35	T	1-Methylnaphthalene	20.000	18.609	7.0	77	0.00
36	I	Acenaphthene-d10	25.000	25.000	0.0	86	0.00
37	P	Hexachlorocyclopentadiene	20.000	11.386	43.1#	51	0.00
38	C	2,4,6-Trichlorophenol	20.000	18.396	8.0	77	0.00
39	T	2,3-Dichloroaniline	20.000	18.233	8.8	77	0.00
40	T	2,4,5-Trichlorophenol	20.000	18.620	6.9	77	-0.01
41	S	2-Fluorobiphenyl	20.000	23.899	-19.5	100	0.00
42	T	2-Chloronaphthalene	20.000	17.714	11.4	75	0.00
43	T	2-Nitroaniline	20.000	18.675	6.6	78	0.00
44	T	1,4-Dinitrobenzene	20.000	18.571	7.1	73	0.00
45	T	Dimethylphthalate	20.000	18.010	9.9	76	0.00
46	T	1,3-Dinitrobenzene	20.000	18.107	9.5	74	0.00

JP
6/2/23

Data Path : X:\semivols\Jessie\DATA\J230510\
Data File : J0510001.D
Acq On : 10 May 2023 8:42 am
Operator : JP
Sample : BNA CCV0510-1
Misc : SV6-107-04
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 10 09:13:03 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
47	T	2,6-Dinitrotoluene	20.000	17.718	11.4	73	0.00
48	T	1,2-Dinitrobenzene	20.000	18.071	9.6	74	0.00
49	T	Acenaphthylene	20.000	17.870	10.6	75	0.00
50	T	3-Nitroaniline	20.000	17.985	10.1	73	0.00
51	P	2,4-Dinitrophenol	20.000	15.923	20.4	62	0.00
52	M,C	Acenaphthene	20.000	17.775	11.1	74	0.00
53	M,P	4-Nitrophenol	20.000	22.745	-13.7	86	-0.02
54	M	2,4-Dinitrotoluene	20.000	18.420	7.9	74	0.00
55	T	Dibenzofuran	20.000	18.147	9.3	76	0.00
56	T	2,3,5,6-Tetrachlorophenol	20.000	18.113	9.4	79	0.00
57	T	2,3,4,6-Tetrachlorophenol	20.000	19.727	1.4	79	0.00
58	T	Diethylphthalate	20.000	18.450	7.8	76	0.00
59	T	4-Chlorophenyl-phenylether	20.000	17.307	13.5	73	0.00
60	T	4-Nitroaniline	20.000	18.721	6.4	76	0.00
61	T	Fluorene	20.000	17.924	10.4	75	0.00
62	I	Phenanthrene-d10	25.000	25.000	0.0	86	0.00
63	T	4,6-Dinitro-2-methylphenol	20.000	11.127	44.4#	48	0.00
64	C	n-Nitrosodiphenylamine	20.000	17.914	10.4	74	0.00
65	T	1,2-Diphenylhydrazine	20.000	17.492	12.5	74	0.00
66	S	2,4,6-Tribromophenol	20.000	26.799	-34.0#	105	0.00
67	T	4-Bromophenyl-phenylether	20.000	18.029	9.9	76	0.00
68	T	Hexachlorobenzene	20.000	18.113	9.4	75	0.00
69	M,C	Pentachlorophenol	20.000	21.214	-6.1	86	0.00
70	T	n-Octadecane	20.000	19.566	2.2	84	0.00
71	T	Phenanthrene	20.000	17.811	10.9	75	0.00
72	T	Anthracene	20.000	18.247	8.8	75	0.00
73	T	Carbazole	20.000	18.161	9.2	76	0.00
74	T	Di-n-butylphthalate	20.000	18.718	6.4	76	0.00
75	C	Fluoranthene	20.000	17.786	11.1	74	0.00
76	I	Chrysene-d12	25.000	25.000	0.0	89	0.00
77	T	Benzidine	20.000	17.816	10.9	71	0.00
78	M	Pyrene	20.000	17.353	13.2	74	0.00
79	S	Terphenyl-d14	20.000	23.591	-18.0	101	0.00
80	T	Butylbenzylphthalate	20.000	17.733	11.3	75	0.00
81	T	bis-2-Ethylhexyladipate	20.000	17.297	13.5	74	0.00
82	T	3,3'-Dichlorobenzidine	20.000	17.442	12.8	73	0.00
83	T	Benzo[a]anthracene	20.000	17.036	14.8	74	0.00
84	T	Chrysene	20.000	17.803	11.0	76	0.00
85	T	bis(2-Ethylhexyl)phthalate	20.000	18.665	6.7	79	0.00
86	C	Di-n-octylphthalate	20.000	18.148	9.3	76	0.00
87	I	Perylene-d12	25.000	25.000	0.0	86	0.01
88	T	Benzo[b]fluoranthene	20.000	17.586	12.1	73	0.00
89	T	Benzo(j,k)fluoranthene	20.000	17.854	10.7	73	0.00
90	C	Benzo[a]pyrene	20.000	17.891	10.5	73	0.00
91	T	Indeno[1,2,3-cd]pyrene	20.000	18.665	6.7	75	0.00

Data Path : X:\semivols\Jessie\DATA\J230510\
Data File : J0510001.D
Acq On : 10 May 2023 8:42 am
Operator : JP
Sample : BNA CCV0510-1
Misc : SV6-107-04
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 10 09:13:03 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
92	T	Dibenz[a,h]anthracene	20.000	19.346	3.3	77	0.01
93	T	Benzo[g,h,i]perylene	20.000	18.919	5.4	77	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230510\
Data File : J0510001.D
Acq On : 10 May 2023 8:42 am
Operator : JP
Sample : BNA CCV0510-1
Misc : SV6-107-04
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 10 09:13:03 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.148	152	319811	25.00	ug/mL	0.00
20) Naphthalene-d8	7.770	136	1318722	25.00	ug/mL	0.00
36) Acenaphthene-d10	9.996	164	824708	25.00	ug/mL	0.00
62) Phenanthrene-d10	11.894	188	1346042	25.00	ug/mL	0.00
76) Chrysene-d12	16.477	240	1261847	25.00	ug/mL	0.00
87) Perylene-d12	19.509	264	1241252	25.00	ug/mL	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.544	112	427134	23.37	ug/mL	-0.02
Spiked Amount 40.000	Range 21 - 110		Recovery = 58.43%			
5) Phenol-d6	5.666	99	533990	23.28	ug/mL	-0.02
Spiked Amount 40.000	Range 10 - 110		Recovery = 58.20%			
21) Nitrobenzene-d5	6.847	82	539765	24.21	ug/mL	0.00
Spiked Amount 40.000	Range 35 - 114		Recovery = 60.53%			
41) 2-Fluorobiphenyl	9.121	172	1012829	23.90	ug/mL	0.00
Spiked Amount 40.000	Range 43 - 116		Recovery = 59.75%			
66) 2,4,6-Tribromophenol	10.989	330	139252	26.80	ug/mL	0.00
Spiked Amount 40.000	Range 10 - 123		Recovery = 67.00%			
79) Terphenyl-d14	14.385	244	1191770	23.59	ug/mL	0.00
Spiked Amount 40.000	Range 33 - 141		Recovery = 58.98%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.081	42	235223	20.84	ug/mL#	42
3) Pyridine	3.116	79	309150	17.44	ug/mL#	54
6) Phenol	5.684	94	482432	18.79	ug/mL	80
7) Aniline	5.731	93	491839	17.54	ug/mL	93
8) bis(2-Chloroethyl)ether	5.790	93	358975	17.80	ug/mL	94
9) 2-Chlorophenol	5.895	128	355240	18.84	ug/mL	99
10) n-Decane	5.895	43	522629	18.85	ug/mL	90
11) 1,3-Dichlorobenzene	6.077	146	375384	18.39	ug/mL	99
12) 1,4-Dichlorobenzene	6.171	146	386121	18.59	ug/mL	98
13) Benzyl alcohol	6.307	108	230054	22.18	ug/mL	94
14) 1,2-Dichlorobenzene	6.365	146	359631	18.43	ug/mL	99
15) 2-Methylphenol (o-Cresol)	6.442	107	301218	18.20	ug/mL#	76
16) bis(2-Chloroisopropyl)...	6.459	45	699178	18.83	ug/mL#	68
17) (3+4)-Methylphenol (m,...	6.636	107	378531	18.58	ug/mL	97
18) n-Nitroso-di-n-propyla...	6.636	70	277381	19.15	ug/mL	80
19) Hexachloroethane	6.794	117	151849	17.76	ug/mL	84
22) Nitrobenzene	6.871	77	414559	18.57	ug/mL	97
23) Isophorone	7.170	82	753800	18.19	ug/mL	88
24) 2-Nitrophenol	7.270	139	187949	18.01	ug/mL	89
25) 2,4-Dimethylphenol	7.305	122	289844	18.53	ug/mL	92
26) bis(2-Chloroethoxy)met...	7.417	93	432370	17.64	ug/mL	94
27) Benzoic Acid	7.446	105	247981	23.68	ug/mL#	100
28) 2,4-Dichlorophenol	7.593	162	297780	18.35	ug/mL	95
29) 1,2,4-Trichlorobenzene	7.687	180	302890	18.00	ug/mL	99
30) Naphthalene	7.799	128	1043441	18.59	ug/mL	99
31) 4-Chloroaniline	7.846	65	155122	19.03	ug/mL	93
32) Hexachlorobutadiene	7.928	225	181710	19.50	ug/mL	98
33) 4-Chloro-3-methylphenol	8.463	107	346425	18.63	ug/mL	98
34) 2-Methylnaphthalene	8.669	142	697092	18.54	ug/mL	99

JP
6/2/23

Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230510\
Data File : J0510001.D
Acq On : 10 May 2023 8:42 am
Operator : JP
Sample : BNA CCV0510-1
Misc : SV6-107-04
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 10 09:13:03 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
35)	1-Methylnaphthalene	8.798	142	656859	18.61	ug/mL	100
37)	Hexachlorocyclopentadiene	8.857	237	87625	11.39	ug/mL	98
38)	2,4,6-Trichlorophenol	9.021	196	212649	18.40	ug/mL	98
39)	2,3-Dichloroaniline	9.021	161	368686	18.23	ug/mL	99
40)	2,4,5-Trichlorophenol	9.097	196	232160	18.62	ug/mL	99
42)	2-Chloronaphthalene	9.291	162	658715	17.71	ug/mL	98
43)	2-Nitroaniline	9.409	65	262832	18.67	ug/mL	93
44)	1,4-Dinitrobenzene	9.579	168	118822	18.57	ug/mL#	84
45)	Dimethylphthalate	9.620	163	779973	18.01	ug/mL	99
46)	1,3-Dinitrobenzene	9.673	168	135104	18.11	ug/mL#	69
47)	2,6-Dinitrotoluene	9.709	165	180217	17.72	ug/mL#	81
48)	1,2-Dinitrobenzene	9.785	168	89737	18.07	ug/mL	89
49)	Acenaphthylene	9.820	152	970585	17.87	ug/mL	99
50)	3-Nitroaniline	9.409	138	243169	17.99	ug/mL#	52
51)	2,4-Dinitrophenol	10.049	184	36981	15.92	ug/mL#	73
52)	Acenaphthene	10.038	154	630404	17.78	ug/mL	97
53)	4-Nitrophenol	10.173	65	198593	22.74	ug/mL#	80
54)	2,4-Dinitrotoluene	10.214	165	241512	18.42	ug/mL	91
55)	Dibenzofuran	10.255	168	948958	18.15	ug/mL	88
56)	2,3,5,6-Tetrachlorophenol	10.349	232	172223	18.11	ug/mL	88
57)	2,3,4,6-Tetrachlorophenol	10.402	232	179102	19.73	ug/mL	85
58)	Diethylphthalate	10.496	149	781783	18.45	ug/mL	97
59)	4-Chlorophenyl-phenyle...	10.666	204	353393	17.31	ug/mL	86
60)	4-Nitroaniline	10.701	138	217956	18.72	ug/mL#	85
61)	Fluorene	10.684	166	786966	17.92	ug/mL	100
63)	4,6-Dinitro-2-methylph...	10.725	198	64901	11.13	ug/mL#	77
64)	n-Nitrosodiphenylamine	10.813	169	662783	17.91	ug/mL	98
65)	1,2-Diphenylhydrazine	10.866	182	208849	17.49	ug/mL#	44
67)	4-Bromophenyl-phenylether	11.283	248	205344	18.03	ug/mL#	87
68)	Hexachlorobenzene	11.377	284	213206	18.11	ug/mL	89
69)	Pentachlorophenol	11.630	266	125116	21.21	ug/mL	99
70)	n-Octadecane	11.659	43	532343	19.57	ug/mL	92
71)	Phenanthrene	11.924	178	1065070	17.81	ug/mL	98
72)	Anthracene	11.994	178	1082353	18.25	ug/mL	97
73)	Carbazole	12.206	167	1044638	18.16	ug/mL	96
74)	Di-n-butylphthalate	12.652	149	1324623	18.72	ug/mL	97
75)	Fluoranthene	13.739	202	1172870	17.79	ug/mL	86
77)	Benzidine	13.939	184	592419	17.82	ug/mL	89
78)	Pyrene	14.139	202	1203154	17.35	ug/mL	97
80)	Butylbenzylphthalate	15.302	149	608242	17.73	ug/mL	93
81)	bis-2-Ethylhexyladipate	15.443	129	561114	17.30	ug/mL	96
82)	3,3'-Dichlorobenzidine	16.389	252	404091	17.44	ug/mL	96
83)	Benzo[a]anthracene	16.448	228	1109949	17.04	ug/mL	99
84)	Chrysene	16.530	228	1025539	17.80	ug/mL	98
85)	bis(2-Ethylhexyl)phtha...	16.477	149	905863	18.66	ug/mL	94
86)	Di-n-octylphthalate	17.840	149	1523492	18.15	ug/mL	96
88)	Benzo[b]fluoranthene	18.645	252	1080755	17.59	ug/mL	89
89)	Benzo(j,k)fluoranthene	18.710	252	1034651	17.85	ug/mL	90
90)	Benzo[a]pyrene	19.362	252	931030	17.89	ug/mL	88
91)	Indeno[1,2,3-cd]pyrene	22.453	276	1031637	18.66	ug/mL	70
92)	Dibenz[a,h]anthracene	22.535	278	1027296	19.35	ug/mL	87
93)	Benzo[g,h,i]perylene	23.369	276	992477	18.92	ug/mL	81

Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230510\
Data File : J0510001.D
Acq On : 10 May 2023 8:42 am
Operator : JP
Sample : BNA CCV0510-1
Misc : SV6-107-04
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 10 09:13:03 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration

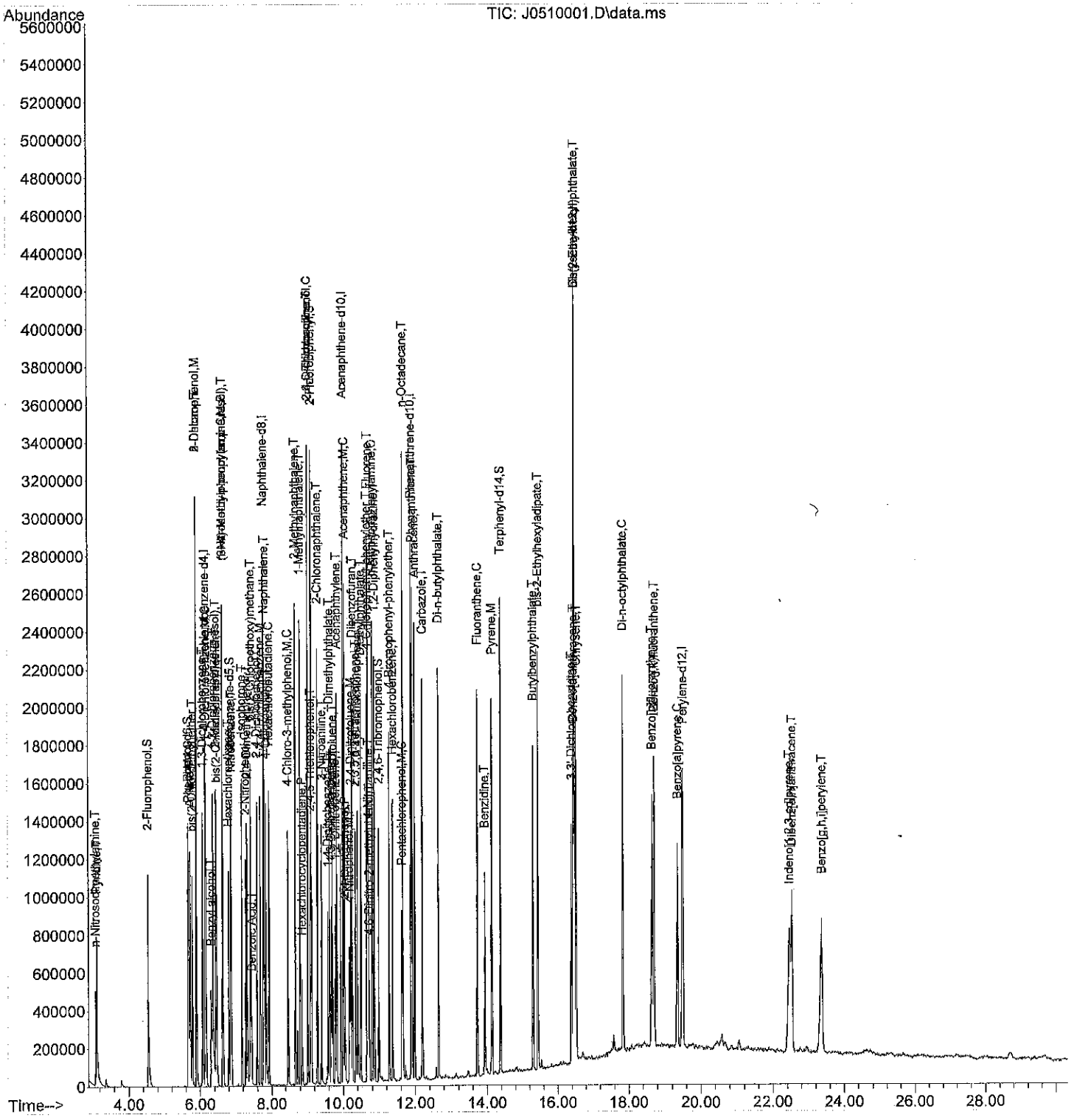
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Jessie\DATA\J230510\
Data File : J0510001.D
Acq On : 10 May 2023 8:42 am
Operator : JP
Sample : BNA CCV0510-1
Misc : SV6-107-04
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 10 09:13:03 2023
Quant Method : C:\MSDCHEM\1\METHODS\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Thu May 04 12:08:53 2023
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : X:\semivols\Corey\DATA\C230505\
Data File : C0505001.D
Acq On : 5 May 2023 11:48 am
Operator : JP
Sample : PAH CCV0505-1
Misc : SV6-106-15
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 02 13:07:41 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Thu May 04 10:12:53 2023
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Naphthalene-d8	2000.000	2000.000	0.0	115	0.20
2	T	Naphthalene	500.000	473.887	5.2	107	0.20
3	T	2-Methylnaphthalene	500.000	494.172	1.2	119	0.20
4	T	1-Methylnaphthalene	500.000	497.741	0.5	120	0.19
5	I	Acenaphthene-d10	2000.000	2000.000	0.0	120	0.19
6	S	2-Fluorobiphenyl	500.000	504.470	-0.9	120	0.18
7	T	Acenaphthylene	500.000	463.903	7.2	118	0.20
8	T,M	Acenaphthene	500.000	484.204	3.2	120	0.20
9	I	Phenanthrene-d10	2000.000	2000.000	0.0	125	0.20
10	S	Pyrene-d10	500.000	464.635	7.1	125	0.26
11	T	Fluorene	500.000	462.453	7.5	118	0.20
12	T	Phenanthrene	500.000	455.870	8.8	121	0.20
13	T	Anthracene	500.000	418.736	16.3	108	0.20
14	T	Fluoranthene	500.000	461.894	7.6	121	0.25
15	T,M	Pyrene	500.000	473.898	5.2	127	0.26
16	I	Chrysene-d12	2000.000	2000.000	0.0	121	0.31
17	S	Terphenyl-d14	500.000	507.248	-1.4	115	0.26
18	T	Benzo[a]anthracene	500.000	560.066	-12.0	123	0.31
19	T	Chrysene	500.000	454.388	9.1	118	0.31
20	I	Perylene-d12	2000.000	2000.000	0.0	119	0.34
21	T	Benzo[b]fluoranthene	500.000	444.484	11.1	120	0.33
22	T	Benzo(j,k)fluoranthene	500.000	485.568	2.9	120	0.33
23	T	Benzo[a]pyrene	500.000	466.811	6.6	120	0.34
24	T	Indeno(1,2,3-c,d)pyrene	500.000	449.009	10.2	114	0.36
25	T	Dibenz[a,h]anthracene	500.000	421.538	15.7	107	0.35
26	T	Benzo[g,h,i]perylene	500.000	424.821	15.0	111	0.36

(#) = Out of Range SPCC's out = 0 CCC's out = 0

JP
6/2/23

Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Corey\DATA\C230505\
Data File : C0505001.D
Acq On : 5 May 2023 11:48 am
Operator : JP
Sample : PAH CCV0505-1
Misc : SV6-106-15
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 05 12:03:33 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Thu May 04 10:12:53 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	3.886	136	231974	2000.00	ppb	0.00
5) Acenaphthene-d10	5.121	164	114124	2000.00	ppb	0.00
9) Phenanthrene-d10	6.147	188	213108	2000.00	ppb	0.00
16) Chrysene-d12	8.233	240	167924	2000.00	ppb	0.02
20) Perylene-d12	9.654	264	181625	2000.00	ppb	0.02
System Monitoring Compounds						
6) 2-Fluorobiphenyl	4.671	172	56295	504.47	ppb	0.00
Spiked Amount 1000.000	Range 25 - 89		Recovery = 50.45%			
10) Pyrene-d10	7.173	212	54321	464.64	ppb	0.02
Spiked Amount 1000.000	Range 40 - 110		Recovery = 46.46%			
17) Terphenyl-d14	7.327	244	40929	507.25	ppb	0.00
Spiked Amount 1000.000	Range 39 - 92		Recovery = 50.72%			
Target Compounds						Qvalue
2) Naphthalene	3.902	128	71823	473.89	ppb	98
3) 2-Methylnaphthalene	4.404	142	48431	494.17	ppb	100
4) 1-Methylnaphthalene	4.468	142	46022	497.74	ppb	100
7) Acenaphthylene	5.021	152	70617	463.90	ppb	100
8) Acenaphthene	5.144	153	46064	484.20	ppb	100
11) Fluorene	5.506	166	50843	462.45	ppb	100
12) Phenanthrene	6.164	178	70358	455.87	ppb	98
13) Anthracene	6.199	178	66946	418.74	ppb	98
14) Fluoranthene	7.019	202	80041	461.89	ppb	95
15) Pyrene	7.183	202	81292	473.90	ppb	98
18) Benzo[a]anthracene	8.221	228	76256	560.07	ppb	98
19) Chrysene	8.250	228	70531	454.39	ppb	98
21) Benzo[b]fluoranthene	9.277	252	75901	444.48	ppb	91
22) Benzo(j,k)fluoranthene	9.306	252	76287	485.57	ppb	92
23) Benzo[a]pyrene	9.596	252	68375	466.81	ppb	86
24) Indeno(1,2,3-c,d)pyrene	10.652	276	83234	~~528.~~46	ppb 449.01	64
25) Dibenz[a,h]anthracene	10.675	278	64247	421.54	ppb	85
26) Benzo[g,h,i]perylene	10.883	276	69045	424.82	ppb	80

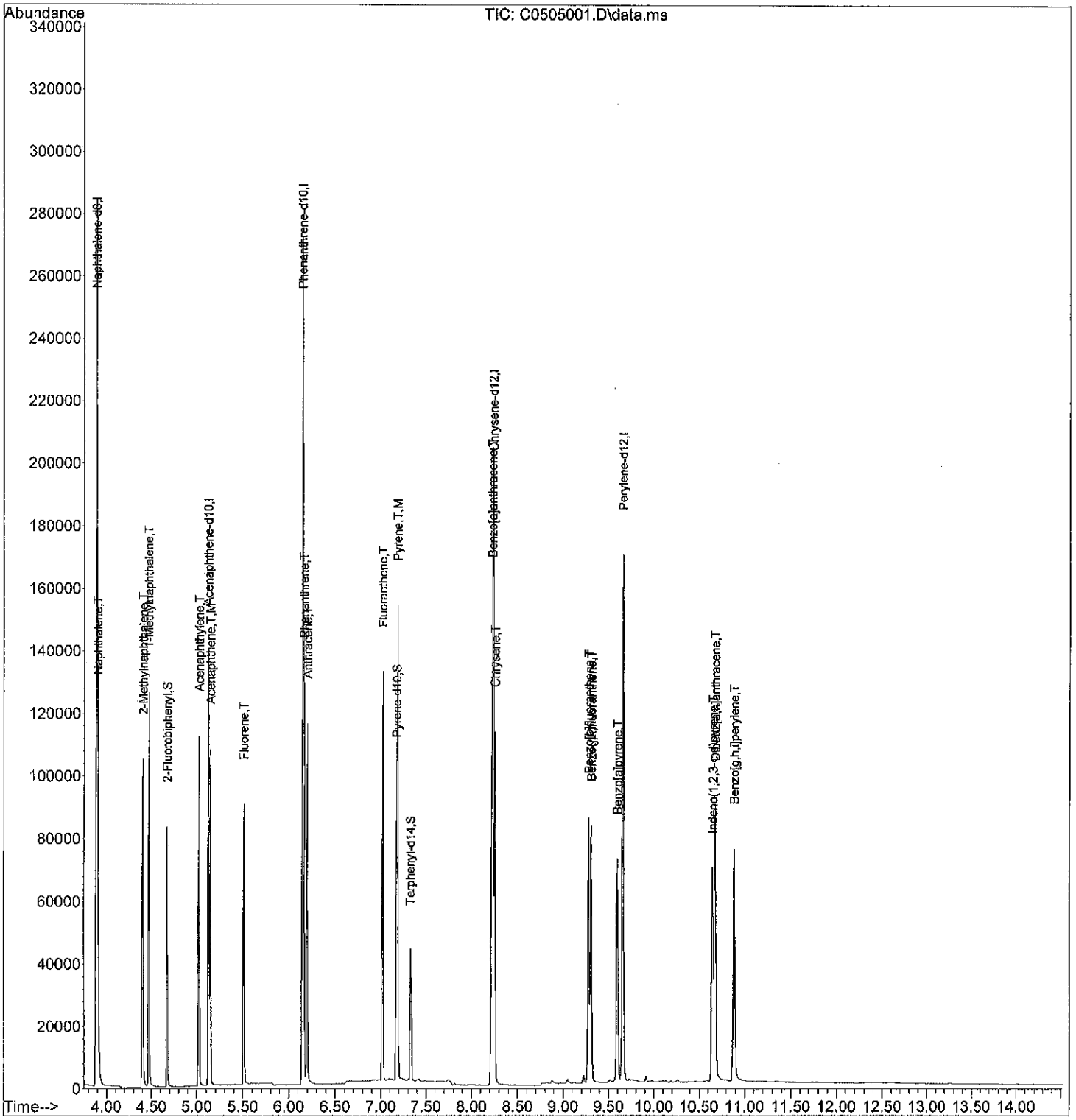
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JP 6/2/23

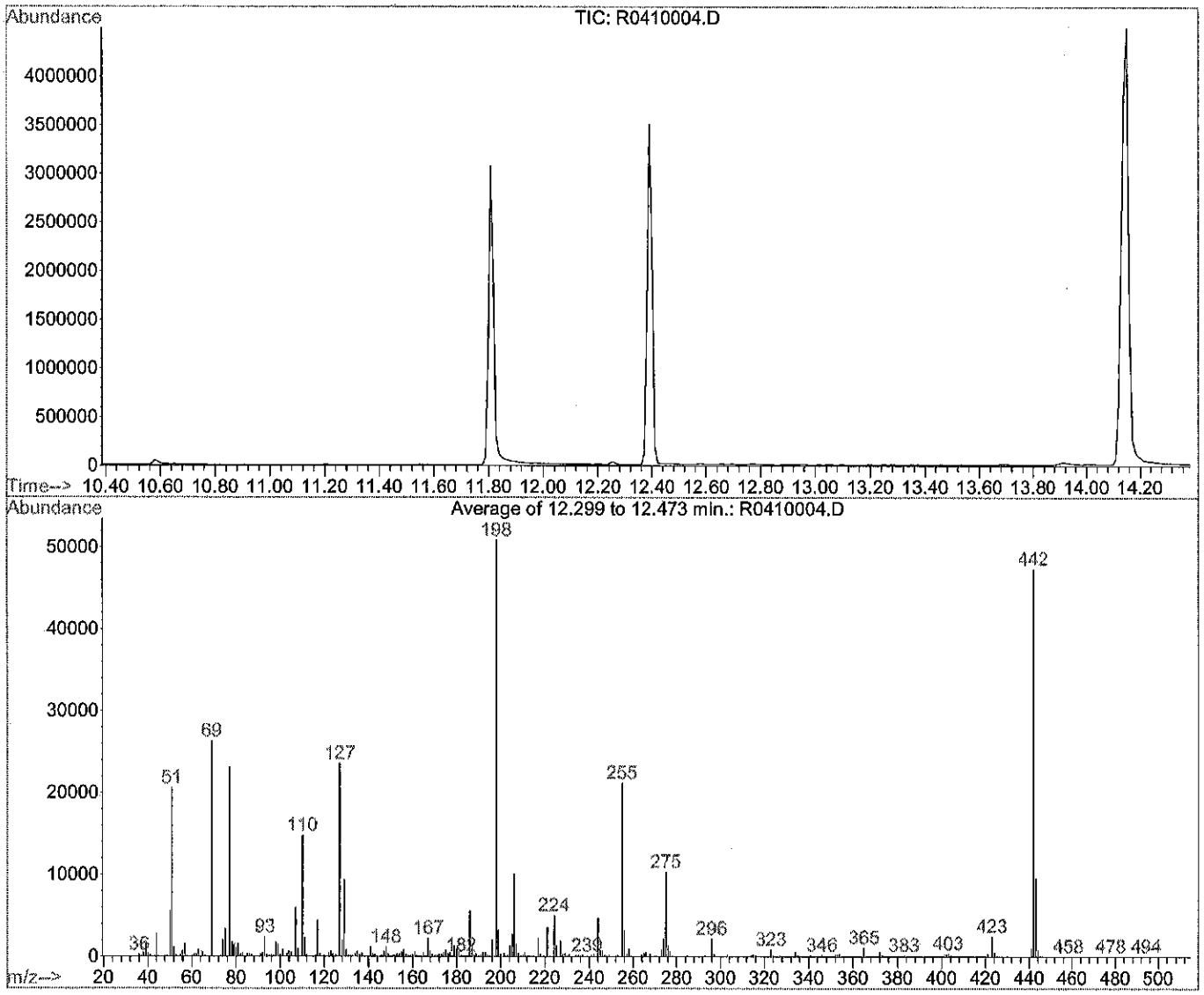
Quantitation Report (Not Reviewed)

Data Path : X:\semivols\Corey\DATA\C230505\
Data File : C0505001.D
Acq On : 5 May 2023 11:48 am
Operator : JP
Sample : PAH CCV0505-1
Misc : SV6-106-15
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 05 12:03:33 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Thu May 04 10:12:53 2023
Response via : Initial Calibration



Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410004.D Vial: 4
Acq On : 10 Apr 2023 10:31 am Operator: JP
Sample : DFTTP Inst : Ralph
Misc : SV6-104-02 Multiplr: 1.00
MS Integration Params: rteint.p
Method : E:\HPCHEM\1\METHODS\SV230228.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D



Spectrum Information: Average of 12.299 to 12.473 min.

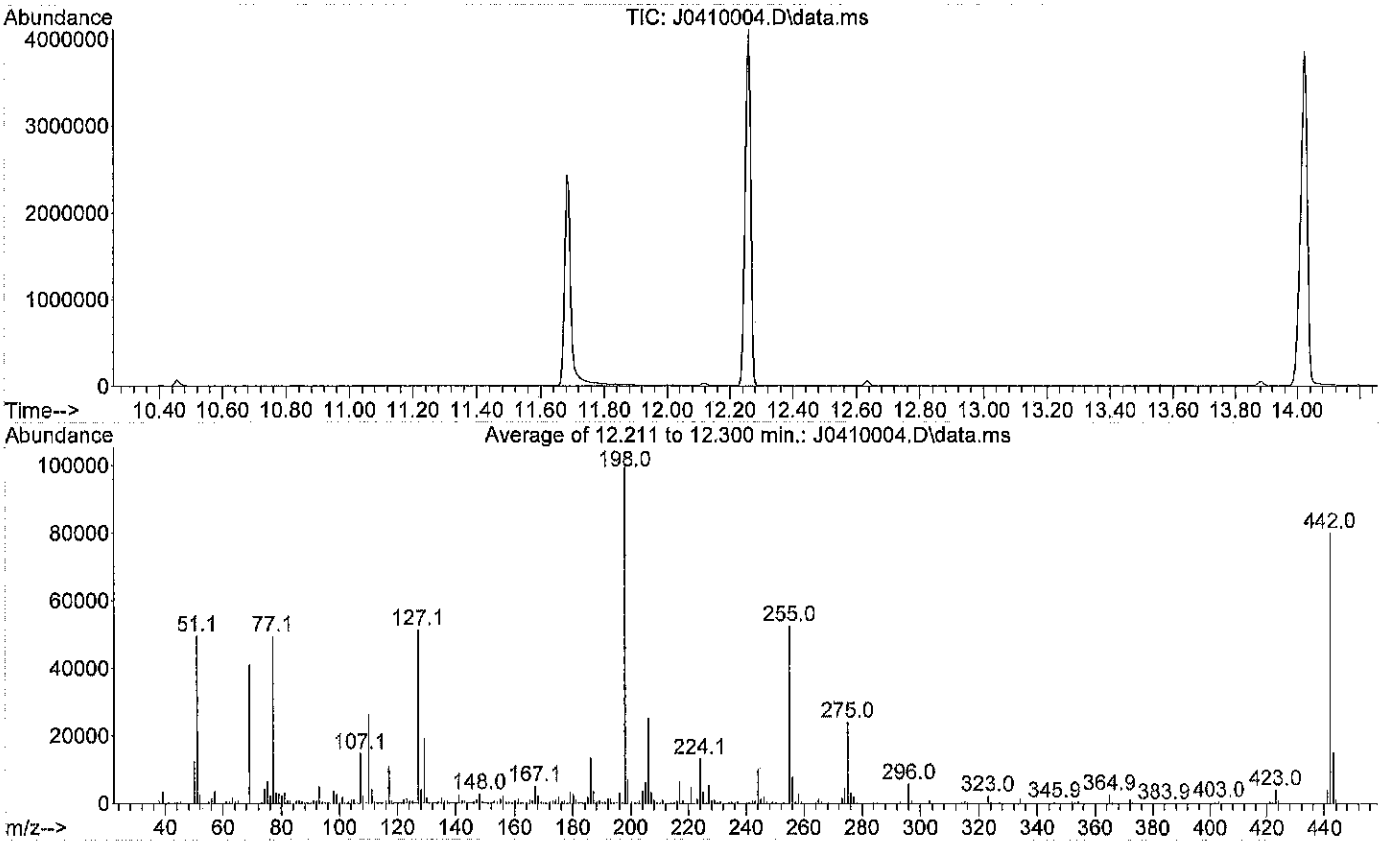
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	40.4	20553	PASS
68	69	0.00	2	0.1	31	PASS
69	198	0.00	100	51.7	26316	PASS
70	69	0.00	2	0.3	85	PASS
127	198	10	80	46.3	23554	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	50906	PASS
199	198	5	9	6.3	3197	PASS
275	198	10	60	20.2	10307	PASS
365	198	1	100	2.1	1062	PASS
441	442	0.01	100	2.2	1037	PASS
442	198	50	110	93.0	47367	PASS
443	442	15	24	20.2	9590	PASS

JP
4/12/23

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410004.D
Acq On : 10 Apr 2023 10:56 am
Operator : JP
Sample : DFTTP
Misc : SV6-104-02
ALS Vial : 4 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\SV230228.M
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Wed Mar 01 12:52:32 2023



Spectrum Information: Average of 12.211 to 12.300 min.

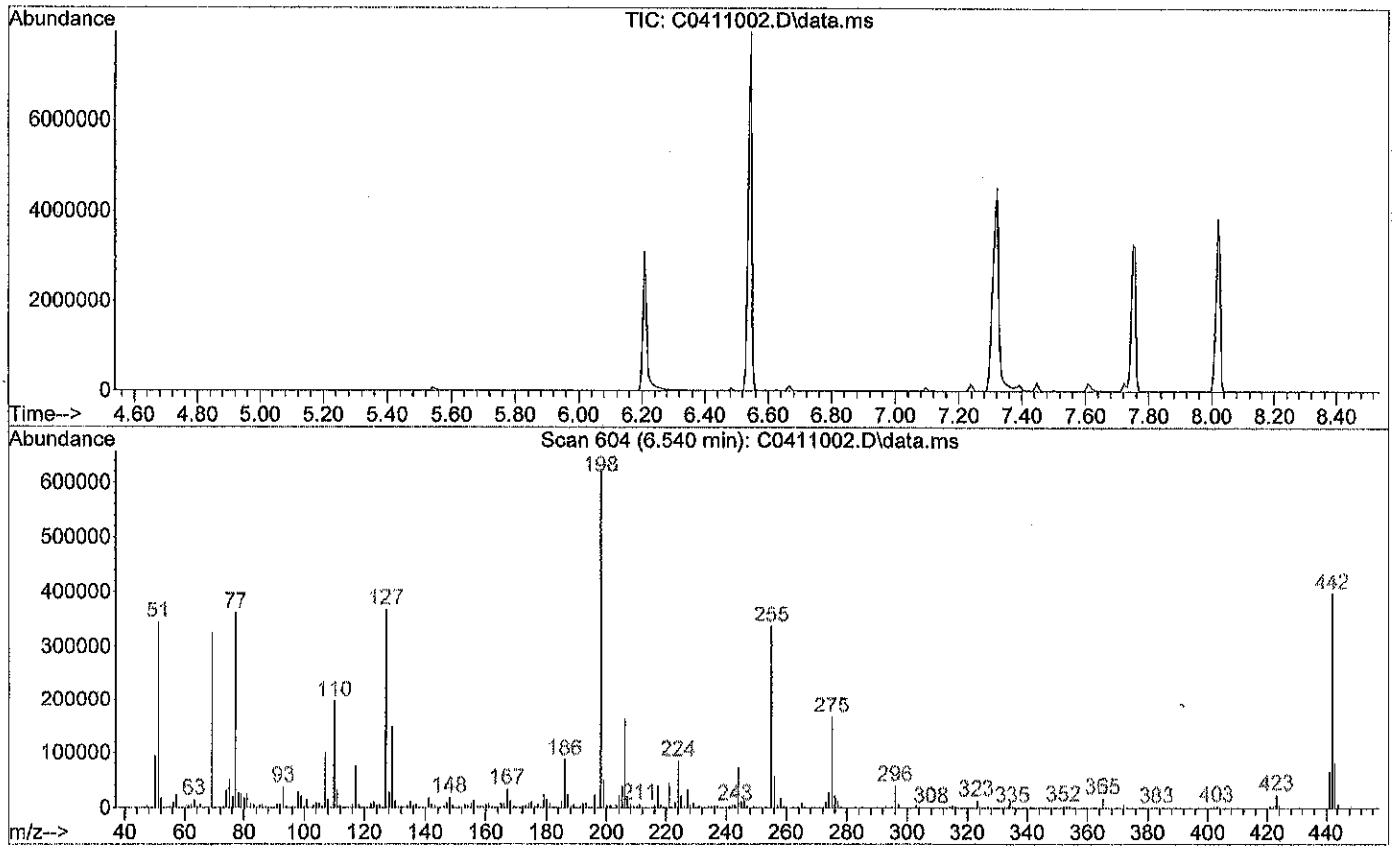
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	49.4	49626	PASS
68	69	0.00	2	0.1	35	PASS
69	198	0.00	100	40.9	41088	PASS
70	69	0.00	2	0.6	238	PASS
127	198	10	80	51.1	51352	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	100406	PASS
199	198	5	9	7.0	6998	PASS
275	198	10	60	23.9	24034	PASS
365	198	1	100	2.7	2679	PASS
441	443	0.01	110	26.7	4072	PASS
442	198	50	110	79.8	80169	PASS
443	442	15	24	19.0	15241	PASS

JP
6/2/23

Data Path : X:\semivols\Corey\DATA\C230411\
Data File : C0411002.D
Acq On : 11 Apr 2023 9:06 am
Operator : JP
Sample : DFTTP
Misc : SV6-104-02
ALS Vial : 2 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\MSDCHEM\1\METHODS\CS230405.M
Title : PAH'S BY SIMS
Last Update : Wed Apr 05 13:57:00 2023



Spectrum Information: Scan 604

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	55.1	343936	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	52.0	324864	PASS
70	69	0.00	2	0.6	1942	PASS
127	198	10	80	58.8	367360	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	624256	PASS
199	198	5	9	7.8	48552	PASS
275	198	10	60	26.6	165888	PASS
365	198	0.10	100	2.8	17600	PASS
441	443	0.01	100	82.2	66448	PASS
442	198	40	110	63.8	398272	PASS
443	442	15	24	20.3	80848	PASS

JP 6/7/23

GC/MS QA-QC Check Report

Tune File : X:\SEMIVOLS\RALPH\DATA\R230505\R0505001.D
Tune Time : 5 May 2023 10:32 am

Daily Calibration File : X:\SEMIVOLS\RALPH\DATA\R230505\R0505001.D

	(2FP)	(PHL)	(NBZ)	(FBP)	(DCB)	(NPT)	(ANT)
					1001610	3673820	1907880
	(TBP)	(TPH)			(PHN)	(CRY)	(PRY)
					2822240	2193570	2391050

File	Sample	Surrogate Recovery %				Internal Standard Responses		
R0505010.D	MB0503S3	79	84	70	76	1164287	4108417	2129574
		83	80			3104762	2488135	2630358
R0505011.D	04-330-0	8*	9*	8*	9*	1187509	4363250	2190920
		8*	9*			3391795	2597700	2802145
R0505012.D	04-330-0	7*	8*	6*	6*	942558	3475458	1758692
		7*	6*			2642298	2050131	2193877
R0505016.D	04-330-0	6*	7*	5*	5*	959743	3530374	1770757
		6*	6*			2647413	2077733	2211018
R0505018.D	04-330-0	6*	8*	7*	7*	1047619	3835058	1983465
		7*	7*			2908633	2311923	2510931
R0505019.Dt	04-330-0	5*	6*	6*	5*	911735	3350610	1718529
		6*	5*			2545663	1964108	2130167

t - fails 12hr time check * - fails criteria

Created: Fri Jun 02 09:45:15 2023 Ralph

JP
6/2/23

GC/MS QA-QC Check Report

Tune File : X:\SEMIVOLS\RALPH\DATA\R230508\R0508004.D
Tune Time : 8 May 2023 11:17 am

Daily Calibration File : X:\SEMIVOLS\RALPH\DATA\R230508\R0508004.D

(2FP)	(PHL)	(NBZ)	(FBP)	(DCB)	(NPT)	(ANT)
				1002860	3728100	1870110

(TBP)	(TPH)	(PHN)	(CRY)	(PRY)
		2784250	2115720	2345350

File	Sample	Surrogate Recovery %				Internal Standard Responses		
R0508005.D	04-330-0	6*	6*	6*	5*	1046286	3854646	1915716
		6*	5*			2880982	2206582	2365803

t - fails 12hr time check * - fails criteria

Created: Fri Jun 02 09:46:08 2023 Ralph

6/2/23

GC/MS QA-QC Check Report

Tune File : X:\semivols\Jessie\DATA\J230503\J0503001.D
Tune Time : 3 May 2023 10:10 am

Daily Calibration File : X:\semivols\Jessie\DATA\J230503\J0503001.D

(2FP)	(PHL)	(NBZ)	(FBP)	(DCB)	(NPT)	(ANT)
				337616	1357190	826874

(TBP)	(TPH)	(PHN)	(CRY)	(PRY)
		1361040	1279580	1292380

File	Sample	Surrogate Recovery %				Internal Standard Responses		
J0503003.D								
	SB0503S1	61	65	65	68	325778	1308019	810886
		79	76			1351028	1229290	1249851
J0503004.D								
	SB0503S1 D	65	69	69	72	318559	1293463	800232
		85	79			1328788	1219137	1241659

(fails) - fails 12hr time check * - fails criteria

Created: Fri Jun 02 12:16:07 2023 Jessie

VP
6/2/23

GC/MS QA-QC Check Report

Tune File : X:\semivols\Jessie\DATA\J230509\J0509016.D
Tune Time : 9 May 2023 3:30 pm

Daily Calibration File : X:\semivols\Jessie\DATA\J230509\J0509016.D

(2FP)	(PHL)	(NBZ)	(FBP)	(DCB)	(NPT)	(ANT)
				307478	1249520	772470

(TBP)	(TPH)	(PHN)	(CRY)	(PRY)
		1269390	1171660	1173750

File	Sample	Surrogate Recovery %				Internal Standard Responses		
J0509025.D								
	04-330-01	6*	7*	6*	5*	308792	1236539	750714
		7*	5*			1225716	1098711	1121659
J0509026.D								
	04-330-02	6*	7*	6*	6*	295047	1216416	743876
		7*	6*			1201775	1076501	1114819
J0509027.D								
	04-330-03	5*	6*	5*	4*	290171	1178433	728555
		5*	4*			1178514	1077365	1111554

(fails) - fails 12hr time check * - fails criteria

Created: Fri Jun 02 12:18:03 2023 Jessie

JD
6/2/23

GC/MS QA-QC Check Report

Tune File : X:\semivols\Jessie\DATA\J230510\J0510001.D
Tune Time : 10 May 2023 8:42 am

Daily Calibration File : X:\semivols\Jessie\DATA\J230510\J0510001.D

(2FP)	(PHL)	(NBZ)	(FBP)	(DCB)	(NPT)	(ANT)
				319811	1318720	824708

(TBP)	(TPH)	(PHN)	(CRY)	(PRY)
		1346040	1261850	1241250

File	Sample	Surrogate Recovery %				Internal Standard Responses		
J0510002.D								
	04-330-04	6*	7*	5*	5*	277082	1165551	723449
		6*	5*			1193815	1084003	1112821
J0510003.D								
	04-330-05	7*	7*	7*	7*	286053	1194740	723178
		8*	8*			1199390	1080211	1094531

(fails) - fails 12hr time check * - fails criteria

Created: Fri Jun 02 12:18:30 2023 Jessie

JD
6/12/23

GC/MS QA-QC Check Report

Tune File : X:\semivols\Corey\DATA\C230505\C0505001.D
Tune Time : 5 May 2023 11:48 am

Daily Calibration File : X:\semivols\Corey\DATA\C230505\C0505001.D

(PRY)	(NPT)	(ACE)	(PHN)
	231974	114124	213108
	(CRY)	(PRY)	
	167924	181625	

File	Sample	Surrogate Recovery %			Internal Standard Responses		
C0505008.D							
	MB0503S3 5	447*	32* 604*		201839	100569	180875
			138925	146372			
C0505011.D							
	04-330-01	90*	0* 105*		197317	99044	178980
			144286	156397			
C0505012.D							
	04-330-04	80	2* 111*		194552	96254	177562
			141743	151366			
C0505013.D							
	04-330-05	131*	3* 154*		197793	99037	177814
			143013	153803			
C0505026.D							
	04-330-02	97*	5* 115*		198377	100117	179045
			140524	148301			
C0505027.D							
	04-330-03	65	3* 77		201080	101269	175197
			137067	144846			

(fails) - fails 12hr time check * - fails criteria

Created: Fri Jun 02 09:54:19 2023 Corey

JR
6/2/23

Sequence Name: E:\HPCHEM\1\SEQUENCE\R230410.S
Comment:
Operator: JP
Data Path: E:\HPCHEM\1\DATA\R230410\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	1	R0410001	SV230228	TEST
2	Sample	2	R0410002	SV230228	M
3	Sample	3	R0410003	SV230228	M
4	Sample	4	R0410004	SV230228	DFTTP
5	Sample	5	R0410005	SV230228	M
6	Sample	6	R0410006	SV230228	M
7	Sample	7	R0410007	SV230228	0.5 PPM ICAL
8	Sample	8	R0410008	SV230228	1 PPM ICAL
9	Sample	9	R0410009	SV230228	2 PPM ICAL
10	Sample	10	R0410010	SV230228	5 PPM ICAL
11	Sample	11	R0410011	SV230228	10 PPM ICAL
12	Sample	12	R0410012	SV230228	20 PPM ICAL
13	Sample	13	R0410013	SV230228	35 PPM ICAL
14	Sample	14	R0410014	SV230228	50 PPM ICAL
15	Sample	15	R0410015	SV230228	60 PPM ICAL
16	Sample	16	R0410016	SV230228	M
17	Sample	17	R0410017	SV230228	ICV

JP
6/12/23

Sequence Name: E:\HPCHEM\1\SEQUENCE\R230505.S
Comment:
Operator: JP
Data Path: E:\HPCHEM\1\DATA\R230505\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	1	R0505001	SV230410	BNA CCV0505-1
2	Sample	2	R0503002	SV230410	M
3	Sample	3	R0503003	SV230410	SB0505W1
4	Sample	4	R0503004	SV230410	MB0505W1
5	Sample	5	R0503005	SV230410	SB0505W1 DUP
6	Sample	6	R0505006	SV230410	05-030-01
7	Sample	7	R0505007	SV230410	05-030-01 MS
8	Sample	8	R0505008	SV230410	05-030-01 MSD
9	Sample	9	R0505009	SV230410	05-030-02
10	Sample	10	R0505010	SV230410	MB0503S3
11	Sample	11	R0505011	SV230410	04-330-05 10X
12	Sample	12	R0505012	SV230410	04-330-01 10X
13	Sample	13	R0505013	SV230410	04-322-02 10X
14	Sample	14	R0505014	SV230410	04-322-04 10X
15	Sample	15	R0505015	SV230410	04-322-03 10X
16	Sample	16	R0505016	SV230410	04-330-04 10X
17	Sample	17	R0505017	SV230410	04-322-01 10X
18	Sample	18	R0505018	SV230410	04-330-02 10X
19	Sample	19	R0505019	SV230410	04-330-03 10X
20	Sample	20	R0505020	SV230410	04-322-05 10X

6/7/23

Sequence Name: E:\HPCHEM\1\SEQUENCE\R230508.S
Comment:
Operator: JP
Data Path: E:\HPCHEM\1\DATA\R230508\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	1	R0508001	SV230410	BNA CCV0508-1
2	Sample	2	R0508002	SV230410	M
3	Sample	3	R0508003	SV230410	M
4	Sample	4	R0508004	SV230410	BNA CCV0508-2
5	Sample	5	R0508005	SV230410	04-330-03 10X
6	Sample	6	R0508006	SV230410	04-322-01
7	Sample	7	R0508007	SV230410	04-322-02
8	Sample	8	R0508008	SV230410	04-322-03
9	Sample	9	R0508009	SV230410	04-322-04
10	Sample	10	R0508010	SV230410	04-322-05 10X

JP
6/2/23

Sequence Name: C:\msdchem\1\sequence\J230410.s
Comment:
Operator: JP
Data Path: C:\MSDCHEM\1\DATA\J230410\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
(X) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
( ) Barcode Disabled

Line		Sample Name/Misc Info		
1)	Sample	1	J0410001	SV230228 TEST
2)	Sample	2	J0410002	SV230228 TEST
3)	Sample	3	J0410003	SV230228 M
4)	Sample	4	J0410004	SV230228 DFTTP
5)	Sample	5	J0410005	SV230228 M
6)	Sample	6	J0410006	SV230228 0.5 PPM ICAL
7)	Sample	7	J0410007	SV230228 1 PPM ICAL
8)	Sample	8	J0410008	SV230228 2 PPM ICAL
9)	Sample	9	J0410009	SV230228 5 PPM ICAL
10)	Sample	10	J0410010	SV230228 10 PPM ICAL
11)	Sample	11	J0410011	SV230228 20 PPM ICAL
12)	Sample	12	J0410012	SV230228 35 PPM ICAL
13)	Sample	13	J0410013	SV230228 50 PPM ICAL
14)	Sample	14	J0410014	SV230228 60 PPM ICAL
15)	Sample	15	J0410015	SV230228 M
16)	Sample	16	J0410016	SV230228 ICV

JP
6/12/23

Sequence Name: C:\msdchem\1\sequence\J230503.s
Comment:
Operator: JP
Data Path: C:\MSDCHEM\1\DATA\J230503\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
(X) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
( ) Barcode Disabled

Line		Sample Name/Misc Info
1)	Sample 1	J0503001 SV230410 BNA CCV0503-1
2)	Sample 2	J0503002 SV230410 MB0503S1
3)	Sample 3	J0503003 SV230410 SB0503S1
4)	Sample 4	J0503004 SV230410 SB0503S1 DUP
5)	Sample 5	J0503005 SV230410 M
6)	Sample 6	J0503006 SV230410 03-360-07
7)	Sample 7	J0503007 SV230410 M
8)	Sample 8	J0503008 SV230410 03-360-07 10X
9)	Sample 9	J0503009 SV230410 M
10)	Sample 10	J0503010 SV230410 03-360-07 20X

JP
6/12/23

Sequence Name: C:\msdchem\1\sequence\J230509.s
Comment:
Operator: JP
Data Path: C:\MSDCHEM\1\DATA\J230509\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
(X) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
( ) Barcode Disabled

Line		Sample Name/Misc Info
1)	Sample 1	J0509001 OP230426 OPP CCV0509-1
2)	Sample 2	J0509002 OP230426 OPP CCV0509-2
3)	Sample 3	J0509003 OPPSCAN DFTTP
4)	Sample 4	J0509004 OP230426 M
5)	Sample 5	J0509005 OP230426 200 PPB ICAL
6)	Sample 6	J0509006 OP230426 500 PPB ICAL
7)	Sample 7	J0509007 OP230426 1000 PPB ICAL
8)	Sample 8	J0509008 OP230426 2000 PPB ICAL
9)	Sample 9	J0509009 OP230426 3000 PPB ICAL
10)	Sample 10	J0509010 OP230426 4000 PPB ICAL
11)	Sample 11	J0509011 OP230509 ICV
12)	Sample 12	J0509012 OP230509 SB0509S1
13)	Sample 13	J0509013 OP230509 SB0509S1 DUP
14)	Sample 14	J0509014 OP230509 MB0509S1
15)	Sample 15	J0509015 OP230509 04-327-10
16)	Sample 16	J0509016 SV230410 BNA CCV
17)	Sample 17	J0509017 SV230410 MB0503S3
18)	Sample 18	J0509018 OP230509 04-327-10 5X
19)	Sample 19	J0509019 OP230509 05-040-01
20)	Sample 20	J0509020 OP230509 05-040-02
21)	Sample 21	J0509021 OP230509 05-040-03
22)	Sample 22	J0509022 OP230509 05-040-04
23)	Sample 23	J0509023 OP230509 05-040-05
24)	Sample 24	J0509024 OP230509 05-040-06
25)	Sample 25	J0509025 SV230410 04-330-01 10X
26)	Sample 26	J0509026 SV230410 04-330-02 10X
27)	Sample 27	J0509027 SV230410 04-330-03 10X
28)	Sample 28	J0509028 SV230410 04-330-04 10X
29)	Sample 29	J0509029 SV230410 04-330-05 10X

JP
6/24/23

Sequence Name: C:\msdchem\1\sequence\J230510.s
Comment:
Operator: JP
Data Path: C:\MSDCHEM\1\DATA\J230510\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
(X) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
( ) Barcode Disabled

Line		Sample Name/Misc Info	
1)	Sample	1	J0510001 SV230410 BNA CCV0510-1
2)	Sample	2	J0510002 SV230410 04-330-04 10X
3)	Sample	3	J0510003 SV230410 04-330-05 10X
4)	Sample	4	J0510004 SV230410 05-048-03 MS
5)	Sample	5	J0510005 SV230410 05-048-03
6)	Sample	6	J0510006 SV230410 05-048-MSD
7)	Sample	7	J0510007 SV230410 05-043-06
8)	Sample	8	J0510008 SV230410 05-048-12
9)	Sample	9	J0510009 SV230410 05-048-02
10)	Sample	10	J0510010 SV230410 05-048-05
11)	Sample	11	J0510011 SV230410 05-048-15
12)	Sample	12	J0510012 SV230410 05-048-16
13)	Sample	13	J0510013 SV230410 05-048-07
14)	Sample	14	J0510014 SV230410 05-048-06
15)	Sample	15	J0510015 SV230410 05-048-17

JP
6/2/23

Sequence Name: X:\semivols\Corey\SEQUENCE\C230411.S
Comment:
Operator: JP
Data Path: C:\MSDCHEM\1\DATA\C230411\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line		Sample Name/Misc Info
1)	Sample 1	C0411001 CS230405 M
2)	Sample 2	C0411002 CSIMSCAN DFTTP
3)	Sample 3	C0411003 CSIMSCAN M
4)	Sample 4	C0411004 CS230405 M
5)	Sample 5	C0411005 CS230405 M
6)	Sample 6	C0411006 CS230405 M
7)	Sample 7	C0411007 CS230405 M
8)	Sample 8	C0411008 CS230405 10 PPB ICAL
9)	Sample 9	C0411009 CS230405 20 PPB ICAL
10)	Sample 10	C0411010 CS230405 50 PPB ICAL
11)	Sample 11	C0411011 CS230405 100 PPB ICAL
12)	Sample 12	C0411012 CS230405 200 PPB ICAL
13)	Sample 13	C0411013 CS230405 TEST
14)	Sample 14	C0411014 CS230405 M
15)	Sample 15	C0411015 CS230405 M
16)	Sample 16	C0411016 CS230405 M
17)	Sample 17	C0411017 CS230405 M
18)	Sample 18	C0411018 CS230405 M
19)	Sample 19	C0411019 CS230405 M
20)	Sample 20	C0411020 CS230405 10 PPB ICAL
21)	Sample 21	C0411021 CS230405 20 PPB ICAL
22)	Sample 22	C0411022 CS230405 50 PPB ICAL
23)	Sample 23	C0411023 CS230405 100 PPB ICAL
24)	Sample 24	C0411024 CS230405 200 PPB ICAL
25)	Sample 25	C0411025 CS230405 500 PPB ICAL
26)	Sample 26	C0411026 CS230405 1000 PPB ICAL
27)	Sample 27	C0411027 CS230405 5000 PPB ICAL
28)	Sample 28	C0411028 CS230405 M
29)	Sample 29	C0411029 CS230405 ICV

JP
4/24/23

Last Modified: Tue Apr 11 15:10:44 2023 Page: 1

Sequence Name: X:\semivols\Corey\SEQUENCE\C230505.S
Comment:
Operator: JP
Data Path: C:\MSDCHEM\1\DATA\C230505\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line		Sample Name/Misc Info
1) Sample	1	C0505001 CS230411 PAH CCV0505-1
2) Sample	2	C0505002 CS230411 SB0505S1
3) Sample	3	C0505003 CS230411 SB0505S1 DUP
4) Sample	4	C0505004 CS230411 MB0505S1
5) Sample	5	C0505005 CS230411 04-332-02
6) Sample	6	C0505006 CS230411 04-332-19
7) Sample	7	C0505007 CS230411 04-332-31
8) Sample	8	C0505008 CS230411 MB0503S3 5X
9) Sample	9	C0505009 CS230411 04-332-09
10) Sample	10	C0505010 CS230411 04-332-25
11) Sample	11	C0505011 CS230411 04-330-01 20X
12) Sample	12	C0505012 CS230411 04-330-04 20X
13) Sample	13	C0505013 CS230411 04-330-05 20X
14) Sample	14	C0505014 CS230411 04-322-01 20X
15) Sample	15	C0505015 CS230411 04-322-02 20X
16) Sample	16	C0505016 CS230411 04-322-03 20X
17) Sample	17	C0505017 CS230411 04-322-04 20X
18) Sample	18	C0505018 CS230411 04-323-04 10X
19) Sample	19	C0505019 CS230411 04-323-04 MS 10X
20) Sample	20	C0505020 CS230411 04-323-04 MSD 10X
21) Sample	21	C0505021 CS230411 04-323-05 10X
22) Sample	22	C0505022 CS230411 04-323-06 10X
23) Sample	23	C0505023 CS230411 04-323-07 10X
24) Sample	24	C0505024 CS230411 04-323-08 10X
25) Sample	25	C0505025 CS230411 04-323-09 10X
26) Sample	26	C0505026 CS230411 04-330-02 20X
27) Sample	27	C0505027 CS230411 04-330-03 20X
28) Sample	28	C0505028 CS230411 04-322-05 20X
29) Sample	29	C0505029 CS230411 04-323-01 10X
30) Sample	30	C0505030 CS230411 04-323-02 10X
31) Sample	31	C0505031 CS230411 04-323-03 10X
32) Sample	32	C0505032 CS230411 TEST

JP
6/2/23

OnSite Environmental Inc.

EPA 8270 EXTRACTION LOGBOOK

Date Extracted: 513123 Time Ext. _____ am/pm

Analysis: SVOC

Matrix: Soil

Surrogate Std. ID: SV6-106-04

Spike Std. ID: 1° SV6-106-01

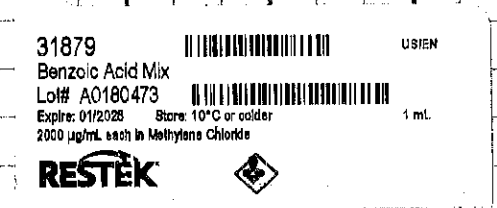
2° SV6-106-02

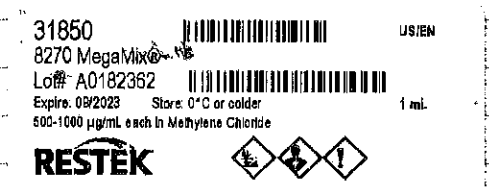
OSE TRAVELER #	pH	SAMPLE W/V	INTER VOLUME	SAMPLE FIN VOL	AMT SUR	AMT SPIKE	CLEAN UP	ANALYST	COMMENTS/ BATCH QA
MB050351	~	30g	300mL	1mL	500uL	~	~	MB	
SB050351						100uL/100uL			
SBD050351									
03-360-07a									PE
04-322-01b		50g						UP	
02									
03									
04									
05									
04-330-01									
02									
03									
04									
05									
MB050352		50g							

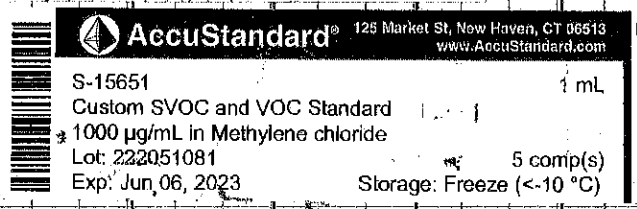
Clean-up (L)Alumina

Work continued from Page

Analyte	Lot ID	Stock ID	Stock Conc	Stock Vol	Final Vol	Final Conc	Solvent	Init	Date
~~SV6082~~	SV6082LCV							JD	10/17/22
Benzoic Acid Stock									
Megamix Stock	SV6082-02								
Custom Stock	SV6082 03								
Benzoic Acid ICAL	SV6082LCV	SV6082-01	2000ppm	1mL	10mL	200ppm	MeCl2	JP	
BNA ICAL #1	SV6082CS	SV6082-02	1000ppm	1mL	5mL				
BNA ICAL #2	SV6082-06	SV6082CS	1	1mL	5mL				
		SV6047-01	4000ppm	0.25mL	1				
BNA 60	SV6082-07	SV6082-45/6	200ppm	60/60/60 µL	200µL	200ppm			
50	08			50/50/50		50			
35	09			35/35/35		35			
20	10			40/40/40	400µL	20			
10	11			10/10/10	200µL	10			
5	12	SV6082-10	20ppm	50 µL		5			
2	13			20		2			
1	14			10		1			
0.5	15			5		0.5			
ICV	16	SV6082-43	200ppm	20/20/20 µL		20			
Surrogate	SV6082-12	SV6082-20	10ppm	10mL	200ppm	500ppb	MeCl2	JP	10/17/22
BNA ICV	SV6082-19	SV6061-15	1	1	1				
~~BNA CCV~~	SV6082								







www.scientificbindery88yrs.com

Work continued to Page

SIGNATURE DATE

DISCLOSED TO AND UNDERSTOOD BY DATE WITNESS DATE

5/8 6/2/23

Work continued from Page

Analyte	Lab ID	Stock ID	Stock Conc	Stock Vol	Final Vol	Final Conc	Solvent	Init	Date
TCLP Spike	SV609501	SV609421	2000ppm	1.0mL	10mL	200ppm	Acetone	JP	1/30/23
BNA CCV	SV609502	SV608216/16	200ppm	2000µL	200µL	20ppm	MeCl2	JP	1/31/23
Pest CCV	SV609503	SV608306	10ppm	10mL		500ppb		JP	JP 1/31/23
PAH CCV	SV609504	SV609403							1
PAH CCV	SV609505								2/1/23
Megamix Stock	SV609506							UP	2/1/23
Megamix Stock	SV609507								
Custom Stock	SV609508								
Custom Stock	SV609508								
BNA ICAL #1	SV609510	SV609506	1000ppm	1mL	5mL	200ppm	MeCl2		
BNA ICAL #2	11	SV609508							
LV BNA ICAL #1	12	SV609401	4000ppm	0.25mL					
LV BNA ICAL #2	13	SV609507	1000ppm	1mL					
		SV609509		0.5mL	2.5mL				
		SV608216	4000ppm	125µL	1				
Dup Spike	SV609514	SV609302	2000ppm	12.5mL	50mL	Spike	Acetone	UP	2/1/23
PAH CCV	SV609515	SV609403	10ppm	10µL	200µL	500ppb	MeCl2	JP	2/2/23
Dup CCV	SV609516	SV609304							

31850 US/EN
8270 MegaMix®
Lot# A0185274
Expire: 11/2023 Store: 0°C or colder 1 mL
500-1000 µg/mL each in Methylene Chloride
RESTEK

31850 US/EN
8270 MegaMix®
Lot# A0177750
Expire: 04/2023 Store: 0°C or colder 1 mL
500-1000 µg/mL each in Methylene Chloride
RESTEK

AccuStandard® 125 Market St, New Haven, CT 06513 www.AccuStandard.com
FOR LABORATORY USE ONLY
H315 H335 H332 H302 H350 H350 P338 P360 P331 P233 P262 P202 Refer to SDS
S-15651 1 mL
Custom SVOC and VOC Standard
1000 µg/mL in Methylene chloride
Lot: 222051034 5 comp(s)
Exp: Jun 06, 2023 Storage: Freeze (<-10 °C)
Signal Word Danger

AccuStandard® 125 Market St, New Haven, CT 06513 www.AccuStandard.com
FOR LABORATORY USE ONLY
H315 H335 H332 H302 H350 H350 P338 P360 P331 P233 P262 P202 Refer to SDS
S-15651 1 mL
Custom SVOC and VOC Standard
1000 µg/mL in Methylene chloride
Lot: 222051081 6 comp(s)
Exp: Jun 06, 2023 Storage: Freeze (<-10 °C)
Signal Word Danger

www.scientificbindery88yrs.com

Work continued to Page

SIGNATURE DATE

DISCLOSED TO AND UNDERSTOOD BY DATE WITNESS DATE

Work continued from Page

Analyte	Lab ID	Stock ID	Stock Conc	Stock Vol	Final Vol	Final Conc	Solvent	Init	Date
PAH CCV	SV609601	SV609403	10ppm	10µL	2000µL	50ppm	MeCl2	JP	2/3/23
BNA 60	02	SV608104 2-04	200ppm	60/60/60 µL		60 ppm			
50	03			50/50/50		50			
35	04			35/35/35		35			
20	05			20/20/20	400µL	20			
10	06			10/10/10	200µL	10			
5	07	SV609605	100ppm	50		5			
2	08			20		2			
1	09			10		1			
0.5	10			5		0.5			
ICV	11	SV608513 2-04	200ppm	20/20/20		20			
Benzoic Acid	SV609611	SV607318	2000ppm	100µL	1mL	200ppm	MeCl2	JP	2/3/23
BNA ICV	SV609612	SV609243 2-04	200ppm	20/20/20mL	200µL	20ppm	1	1	
Custom Stock	SV609613							JP	2/3/23
Custom Stock	14								
SVOC Surr Stock	15								
BNA ICAL #2	16	SV609613	1000 ppm	1mL	5mL	200ppm	MeCl2		
		15	4000	0.25					
BNA ICV #2	17	14	1000	1					
		SV1	4000	0.25					

AccuStandard® 125 Market St, New Haven, CT 06513 www.AccuStandard.com

S-15651 1 mL
Custom SVOC and VOC Standard
1000 µg/mL in Methylene chloride
Lot: 222051034 5 comp(s)
Exp: Jun 06, 2023 Storage: Freeze (<-10 °C)

FOR LABORATORY USE ONLY
H315 H335
H332 H302
H350 H350
P308 P360
P331 P233
P262 P202
Refer to SDS
Signal Word Danger

AccuStandard® 125 Market St, New Haven, CT 06513 www.AccuStandard.com

S-15651 1 mL
Custom SVOC and VOC Standard
1000 µg/mL in Methylene chloride
Lot: 222051081 5 comp(s)
Exp: Jun 06, 2023 Storage: Freeze (<-10 °C)

FOR LABORATORY USE ONLY
H315 H335
H332 H302
H350 H350
P308 P360
P331 P233
P262 P202
Refer to SDS
Signal Word Danger

AccuStandard® 125 Market St, New Haven, CT 06513 www.AccuStandard.com

M-8270-SS 1 mL
Method 8270 - Surrogate Standard
4.0 mg/mL in CH2Cl2
Lot: 222041540 6 comp(s)
Exp: Apr 28, 2032 Storage: Ambient (>5 °C)

FOR LABORATORY USE ONLY
H315 H336
H332 H302
H351 H350
P308 P360
P331 P233
P262 P202
Refer to SDS
Signal Word Warning

www.scientificbindery88yrs.com

Work continued to Page

SIGNATURE DATE

DISCLOSED TO AND UNDERSTOOD BY DATE WITNESS DATE

530P 4/12/23

Work continued from Page

Analyte	Lab ID	Stock ID	Stock Conc	Stock Vol	Final Vol	Final Conc	Solvent	Init	Date
BNA 60	SV60971 01	SV6096 16	200ppm	60 µL each	200 µL	60 ppm	MeCl2	VP	2/3/23
50	02			50		50			
35	03			35		35			
20	04			40	400	20			
10	05			10	200	10			
5	06	SV609764	20ppm	50		5			
2	07			20		2			
1	08			10		1			
0.5	09			5		0.5			
ICV	10	SV609512967	200ppm	20µL each	200µL	20ppm	MeCl2		
DMF CCV	11	SV6094103	10ppm	10µL		5000ppb		VP	2/6/23
Custom Stock	12								
SVOC surr Stock	13								
BNA ICAL 2	14	SV609712	1000ppm	1mL	5mL	200ppm	MeCl2		
		113	4000	0.25mL	1	1	1		
BNA 60	15	SV6095 6097 14	200ppm	60µL each	200µL	60 ppm	MeCl2		
50	16			50		50			
35	17			35		35			
20	18			40	400µL	20			
10	19			10	200µL	10			
5	20	SV609718	20ppm	50		5			
2	21			20		2			
1	22			10		1			
0.5	23			5		0.5			
ICV	24	SV609512 9611	200ppm	20µL each		20			

AccuStandard® 125 Market St, New Haven, CT 06513 www.AccuStandard.com

S-15651 1 mL
Custom SVOC and VOC Standard
1000 µg/mL in Methylene chloride
Lot: 222051034
Exp: Jun 06, 2023 5 comp(s)
Storage: Freeze (<-10 °C)

FOR LABORATORY USE ONLY
H315 H335
H332 H302
H350 H350
P308 P360
P331 P233
P262 P202
Refer to SDS
Signal Word Danger

AccuStandard® 125 Market St, New Haven, CT 06513 www.AccuStandard.com

M-8270-SS 1 mL
Method 8270 - Surrogate Standard
4.0 mg/mL in CH2Cl2
Lot: 222041540
Exp: Apr 28, 2032 6 comp(s)
Storage: Ambient (>5 °C)

FOR LABORATORY USE ONLY
H315 H335
H332 H302
H351 H350
P308 P360
P331 P233
P262 P202
Refer to SDS
Signal Word Warning

www.scientificbindery38yrs.com

Work continued to Page

SIGNATURE DATE

DISCLOSED TO AND UNDERSTOOD BY DATE WITNESS DATE

531 6/2/23

100 TITLE

PROJECT NO.

BOOK NO.

Work continued from Page

Analyte	Lab ID	Stock ID	Stock Conc	Stock Vol	Final Vol	Final Conc	Solvent	Int	Date
BNA CCV	SV61000 01	SV6 09510 97164	200ppm	20/20mL	200µL	200ppm	MeCl2	UP	2/23/23
PAH CCV	SV61000 02	(SV6094403)	10ppm	1ppm	1	500ppb	1		
NPH CCV	SV6100 03	SV6094403	1	1	1	1			2/24/23
8270	SV61000 04								
Megamix									
8270 spike #1	SV61000 05	SV6100004	1000ppm	1mL	5mL	200ppm	MeCl2	UP	2/27/23
BNA CCV	SV61000 06	SV6 09510 97164	200ppm	20/1mL	40µL	200ppm	1		
ISTD Stock	SV6100 07								2/28/23
BNA ISTD	SV6100 08	SV6100007	4000ppm	1mL	5mL	500ppm	MeCl2		
PAH CCV	SV6100 09	SV6094403	10ppm	10µL	200µL	500ppb	1		
BNA 60	10	SV6095 10 97164	200ppm	60µL each	200µL	60 ppm			
50	11			50		50			
35	12			35		35			
20	13			40	400µL	20			
10	14			10	200µL	10			
5	15	SV6100 13	20ppm	50		5			
2	16			20		2			
1	17			10		1			
0.5	18			5		0.5			
60	19	SV6095 10 97164	200ppm	60	each	1	60		
50	20			50			50		
35	21			35			35		
20	22			40	400µL		20		
10	23			10	200µL		10		
5	24	SV6100 22	20ppm	50			5		
2	25			20			2		

31850 8270 MegaMix® Lot# A0189077 Expire: 02/2024 Store: 0°C or colder 1 mL 500-1000 µg/mL each in Methylene Chloride RESTEK

AccuStandard® 125 Market St, New Haven, CT 06513 www.AccuStandard.com
Z-014J 1 mL
Internal Standard Mix
4.0 mg/mL in CH2Cl2
Lot: 222091449 6 comp(s)
Exp: Sep 30, 2032 Storage: Ambient (>5 °C)/Sonicate
FOR LABORATORY USE ONLY
P315 H335 P332 H302 H351 H360 P338 P360 P331 P233 P262 P202 Refer to SDS
Signal Word Warning

www.scientificbindery88yrs.com

Work continued to Page

SIGNATURE DATE

DISCLOSED TO AND UNDERSTOOD BY DATE WITNESS DATE

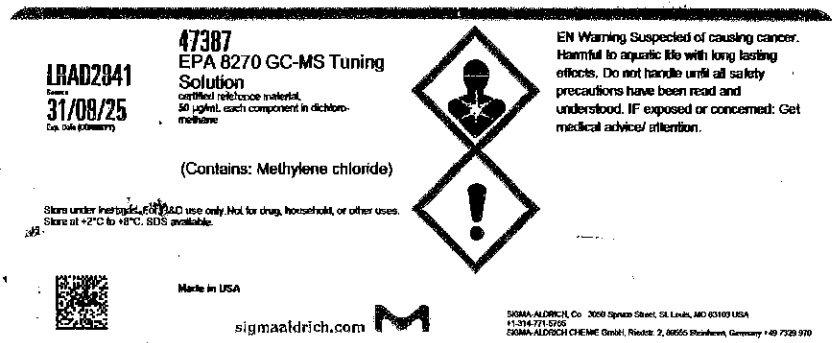
104 TITLE

PROJECT NO.

BOOK NO.

Work continued from Page

Analyte	Lab ID	Stock ID	Stock Conc	Stock Vol	Final Vol	Final Conc	Solvent	Init	Date
Tuning Stock	SV610401							JP	4/10/23



DFTPP		SV610401	SV610401			1mL	50ppm	MeCl2	JP	4/10/23
BNA	60	03	SV610510 9.714 8.204	200ppm	60 µL each	200µL	60 ppm			
	50	04			50		50			
	35	05			35		35			
	20	06			40	400µL	20			
	10	07			10	200µL	10			
	5	08	SV610402	20ppm	50		5			
	2	09			20		2			
	1	10			10		1			
	0.5	11			5		0.5			
	60	12	SV610510 9.714 8.204	200ppm	60µL each		60			
	50	13			50		50			
	35	14			35		35			
	20	15			40	400µL	20			
	10	16			10	200µL	10			
	5	17	SV610415	20ppm	50		5			
	2	18			20		2			
	1	19			10		1			
	0.5	20			5		0.5			

www.scientificbindery88yrs.com

Work continued to Page

SIGNATURE

DATE

DISCLOSED TO AND UNDERSTOOD BY

DATE

WITNESS

DATE

Work continued from Page

	Analyte		Lab ID	Stock LD	Stock Conc	Stock Vol	Final Vol	Final Conc	Solvent	Dil?	Date
	ICV	BNA	SV6105 01	SV6 95129617	2000ppm	20µL each	2000µL	200ppm	MeCl2	10	4/10/23
	BNA	ICV	02	⊥							
5	BNA	CCV	03	SV6 95129617 8270						JP	4/11/23
	PAH	ICV	SV6105 04	SV6089 17	100ppm	10µL	200µL	500ppb	MeCl2		
	PAH	CCV	SV6105 05	SV6094 03						JP	4/12/23
	PAH	CCV	SV6105 06								4/14/23
	PAH	CCV	SV6105 07								4/17/23
10	PAH	CCV	SV6105 08							JP	4/18/23
	BNA	ICV	SV6103 09	SV6095129714 8270	2000ppm	20µL each	200µL	20ppm	MeCl2		
	BNA	CCV	SV6105 10							JP	4/19/23
	PAH	CCV	SV6105 11	SV6094 03	100ppm	10µL		500ppb			
	PAH	CCV	SV6105 12								4/20/23
15	BNA		SV6105 13	SV6095129714 8270	2000ppm	20µL Each		20ppm			
	PAH	CCV	SV6105 14	SV6094 03	100ppm	10µL		500ppb		JP	4/24/23
	OPP	CCV	SV6105 15	SV6090718		20/20µL		1000ppb		JP	4/25/23
	PAH	CCV	SV6105 16	SV6094 03		10µL		500ppb			
	OPP	200	17	SV6090718		4µL each		200			
20		500	18			10		500			
		1000	19			20		1000			
		2000	20			40		2000			
		3000	21			60		3000			
		4000	22			80		4000			
25		ICV	23	SV6091213		20		1000			
	BNA	CCV	24	SV6095129714		20/20µL		20ppm			4/26/23
	PAH	CCV	25	SV6094 03	100ppm	10µL	200µL	500ppb			
	8270	MegaMix	26							JP	4/27/23
30											
	Custom Stds		27								
35											

Continued to Page

www.scientificbindery88yrs.com

31850 US/EN
8270 MegaMix®
Lot# A0189077 1 mL
Expire. 02/2024 Store 0°C or colder
500-1000 µg/mL each in Methylene Chloride
RESTEK

AccuStandard® 125 Market St, New Haven, CT 06513 www.AccuStandard.com
S-15651 1 mL
Custom SVOC and VOC Standard
1000 µg/mL in Methylene chloride
Lot: 222051081-01 5 comp(s)
Exp: Mar 14, 2024 Storage: Freeze (<-10 °C)
PRODUCT OF THE USA FOR LABORATORY USE ONLY
H315 H335 H332 H302 H350 H360 P308 P360 P331 P233 P262 P202 Refer to SDS
Signal Word: Danger

SIGNATURE DATE

DISCLOSED TO AND UNDERSTOOD BY DATE WITNESS DATE

5/3 4/2/23

Work continued from Page

Analyte	Lab ID	Stock ID	Stock Conc	Stock Vol	Final Vol	Final Conc	Solvent	Init	Date
8270 spike 1	SV61060[illegible]	SV6 05 26	1000ppm	1mL	5mL	200ppm	MeCl2	JP	4/27/23
8270 Spike 2	02	27							
SVOC Surr Stock	SV61060 3								

AccuStandard® 125 Market St, New Haven, CT 06513 www.AccuStandard.com

M-8270-SS 1 mL
Method 8270 - Surrogate Standard
4.0 mg/mL in CH2Cl2
Lot: 223021323
Exp: Feb 15, 2033 6 comp(s)
PRODUCT OF THE USA Storage: Ambient (>5 °C)
FOR LABORATORY USE ONLY

H315 H335 H332 H302 H351 H350 P338 P360 P331 P233 P282 P202 Refer to SDS
Signal Word: Warning

AccuStandard® 125 Market St, New Haven, CT 06513 www.AccuStandard.com

M-8270-SS 1 mL
Method 8270 - Surrogate Standard
4.0 mg/mL in CH2Cl2
Lot: 223021323
Exp: Feb 15, 2033 6 comp(s)
PRODUCT OF THE USA Storage: Ambient (>5 °C)
FOR LABORATORY USE ONLY

H315 H335 H332 H302 H351 H350 P338 P360 P331 P233 P282 P202 Refer to SDS
Signal Word: Warning

SVOC Surr	SV61060[illegible]	SV6106 03	4000ppm	2mL	10mL	800ppm	Acetone		
PAH Working Stock	SV6106 05	SV6094 01	1000ppm	10mL	10mL	100ppm	MeCl		
1		02	200ppm	50mL					
PAH CCV	06	SV6094 03	10ppm	10µL	200µL	500ppb		JP	4/27/23
BNA	07	SV6095 10 97H	200ppm	20µL each		20ppm			
PAH CCV	08	SV6094 03	10ppm	10µL		500ppb		JP	4/28/23
PAH CCV	SV61060 09							JP	5/1/23
PAH CCV	10								5/2/23
BNA CCV	11	SV6095 10 97H	200ppm	20µL each		20ppm			
BNA CCV	12	2nd							5/3/23
PAH CCV	SV61061 3	SV6094 03	10ppm	10µL	200µL	500ppb	MeCl2	JP	5/4/23
BNA CCV	SV61061 4	SV6095 10 97H	20 ppm	20µL each		20ppm			5/5/23
PAH CCV	SV61061 5	SV6094 03	10	10µL		500ppb			
PAH CCV	16		10						5/8/23
BNA CCV	17	SV6095 10 97H	20	20µL each		20ppm			
OPP CCV	18	SV6040 18	20			1000 ppb			5/9/23
OPP 200	19			4		200			
500	20			10		500			
1000	21			20		1000			
2000	22			40		2000			
3000	23			60		3000			
4000	24			80		4000			

www.sciencemadness.org

Work continued to Page

SIGNATURE DATE

DISCLOSED TO AND UNDERSTOOD BY DATE WITNESS DATE

 JP 5/12/23

Work continued from Page

	Analyte	Lab ID	Stock ID	Stock Conc	Stock Vol	Final Vol	Final Conc	Solvent	Init	Date
	8270 ICV	SV610701	SV609113	10ppm	20µL each	2mL	1000ppb	MeCl2	VP	5/9/23
	PAH CCV	02	SV609403	1	10µL		500			
5	BNA CCV	03	SV609510 97TM 82DH	200ppm	20µL each		20ppm			
	BNA CCV	04	9 + 82DH							5/10/23
	PAH CCV	05	SV609403	10ppm	10mL		500ppb			
	PAH Surr Stock	06								
10										
15	PAH Surr	07	SV610706	1000ppm	1mL	100mL	10ppm	Acetone		
	BNA CCV	SV6107 08	SV609510 97TM 82DH	200ppm	20µL each	2mL	20ppm	MeCl2		5/11/23
	PAH CCV	SV6107 09	SV609403	10ppm	10mL		500ppb			
	PAH CCV	SV610710								5/12/23
	PAH CCV	SV610711								5/15/23
20	BNA CCV	SV610712	SV609510 97TM 82DH	200ppm	20mL		20ppm			
	PAH 5000	13	SV610605	10ppm	500µL	1mL	5000ppb			
	1000	14			100		1000			
	500	15			50		500			
	200	16			20		200			
25	100	17			10		100			
	50	18	SV610714	1000ppb	50		50			
	20	19			20		20			
	10	20			10		10			
	ICV	21	SV609403	10ppm	10mL	2mL	500			
30	PAH Stock Std	22							VP	5/16/23
	Surr Stock	23								
35										

31887 www.restek.com
Revised B/N Surrogate Mix
Lot# A0194490
Expire: 01/2029 Store: 10°C or colder
1000 µg/mL each in Methylene chloride
Sonication required. Mix is photosensitive.
1 mL US/EN

Rec 5-11-23

31995 US/EN
8270 Calibration Mix #5, Revised
Lot# A0164949
Expire: 09/2026 Store: 10°C or colder 1 mL
2000 µg/mL each in Methylene Chloride

31887 www.restek.com
Revised B/N Surrogate Mix
Lot# A0194490
Expire: 01/2029 Store: 10°C or colder
1000 µg/mL each in Methylene chloride
Sonication required. Mix is photosensitive.
1 mL US/EN

www.scientificbindery88yrs.com

Work continued to Page

SIGNATURE DATE

DISCLOSED TO AND UNDERSTOOD BY DATE WITNESS DATE

PCBs EPA 8082A

- Sample Data
- QA/QC Data
- Initial Calibration Data
- Continuing Calibration Data
- Administrative Forms

Quantitation Report (QT Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230508\
Data File : U0508022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 16:55
Operator : LAD
Sample : 04-330-01 MCU
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 09 15:52:22 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound			RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
System Monitoring Compounds								
1) S	TCX		3.536	3.388	227.4E6	638.0E6	0.138	0.283 #
Spiked Amount	0.100				Recovery	= 138.00%	283.00%	
47) S	DCB		8.269	8.402	161.3E6	402.7E6	0.169	0.304 #
Spiked Amount	0.100				Recovery	= 169.00%	304.00%	
Target Compounds								
2) L1	Aroclor-1016		0.000	3.838	0	19771301	N.D.	0.461m#
3) L1	Aroclor-1...		4.230f	4.200	159.4E6	20271371	3.439	0.320m#
4) L1	Aroclor-1...		0.000	4.600	0	924.4E6	N.D.	8.294 #
5) L1	Aroclor-1...		0.000	4.693	0	905.0E6	N.D.	12.891 #
6) L1	Aroclor-1...		0.000	5.050f	0	902.9E6	N.D.	13.903 #
Sum	Aroclor-1016				159.4E6	2772.4E6	3.439	35.869
Average	Aroclor-1016						3.439	7.174
7) L2	Aroclor-1221		0.000	2.921	0	14093269	N.D.	1.062 #
8) L2	Aroclor-1...		0.000	3.838f	0	21560255	N.D.	0.791m#
9) L2	Aroclor-1...		0.000	3.839	0	229.0E6	N.D.	3.795 #
10) L2	Aroclor-1...		4.345	0.000	141.7E6	0	20.924	N.D. #
11) L2	Aroclor-1...		0.000	4.600	0	924.4E6	N.D.	117.893 #
Sum	Aroclor-1221				141.7E6	1189.1E6	20.924	123.540
Average	Aroclor-1221						20.924	30.885
12) L3	Aroclor-1232		0.000	3.839	0	22066303	N.D.	0.433m#
13) L3	Aroclor-1...		4.230f	4.200	159.4E6	377.1E6	6.386	10.940 #
14) L3	Aroclor-1...		0.000	4.693	0	905.0E6	N.D.	23.674 #
15) L3	Aroclor-1...		0.000	5.050f	0	902.9E6	N.D.	27.512 #
16) L3	Aroclor-1...		5.422	0.000	170.4E6	0	7.710	N.D. #
Sum	Aroclor-1232				329.8E6	2207.2E6	14.096	62.559
Average	Aroclor-1232						7.048	15.640
17) L4	Aroclor-1242		0.000	4.600	0	924.4E6	N.D.	7.936 #
18) L4	Aroclor-1...		0.000	4.693	0	905.0E6	N.D.	12.438 #
19) L4	Aroclor-1...		0.000	5.050f	0	902.9E6	N.D.	13.568 #
20) L4	Aroclor-1...		5.449	5.907f	170.6E6	40775497	3.972	0.552m#
21) L4	Aroclor-1...		5.910	5.905	122.3E6	608.4E6	5.819	20.431 #
Sum	Aroclor-1242				292.9E6	3381.5E6	9.791	54.926
Average	Aroclor-1242						4.895	10.985
22) L5	Aroclor-1248		0.000	4.600	0	924.4E6	N.D.	11.098 #
23) L5	Aroclor-1...		0.000	5.050f	0	902.9E6	N.D.	7.153 #
24) L5	Aroclor-1...		5.449	5.907f	170.6E6	54531110	2.051	0.367m#
25) L5	Aroclor-1...		5.591	0.000	171.4E6	0	2.846	N.D. #

Quantitation Report (QT Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230508\
Data File : U0508022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 16:55
Operator : LAD
Sample : 04-330-01 MCU
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 09 15:52:22 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

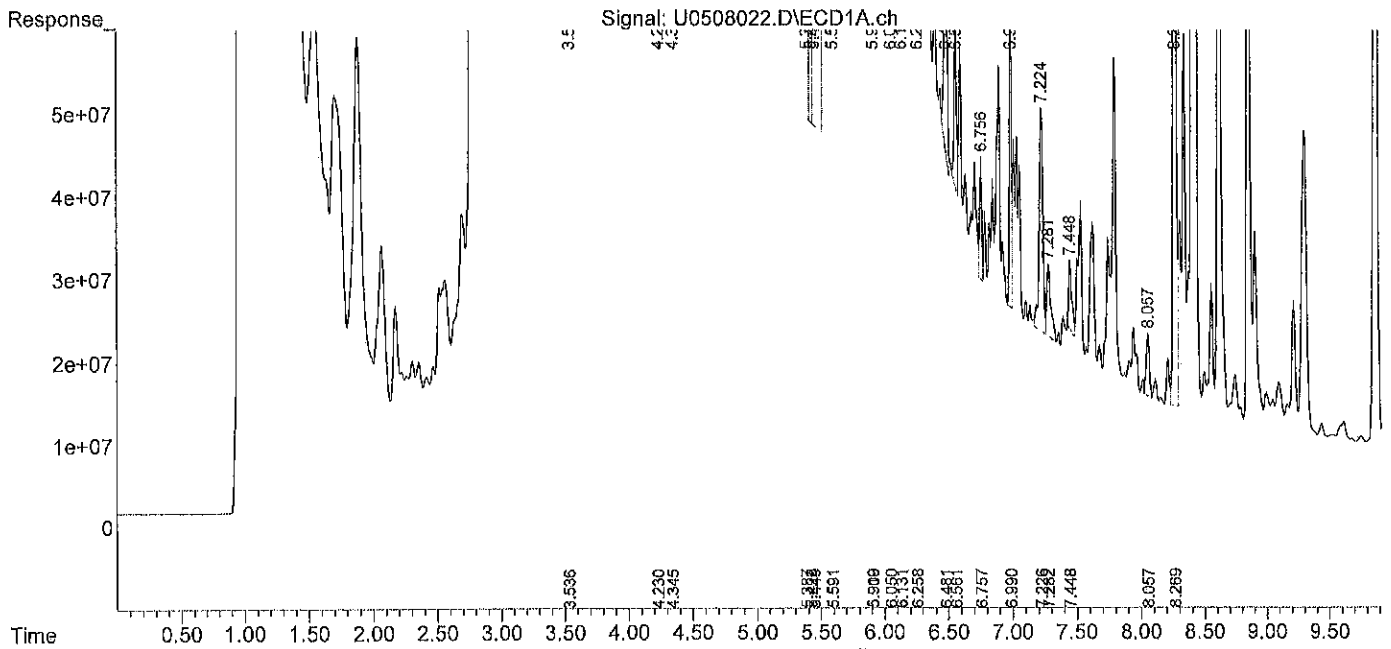
	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
26) L5	Aroclor-1...	5.910	5.905	122.3E6	608.4E6	2.283	8.028 #
Sum	Aroclor-1248			464.3E6	2490.2E6	7.179	26.646
Average	Aroclor-1248					2.393	6.662
27) L6	Aroclor-1254	5.387	0.000	15251615	0	0.211m	N.D. d#
28) L6	Aroclor-1...	5.591	0.000	24896284	0	0.241m	N.D. #
29) L6	Aroclor-1...	5.909	5.907	27822398	44315157	0.214m	0.233m
30) L6	Aroclor-1...	6.131	6.076	59009299	30833479	0.620m	0.235m#
31) L6	Aroclor-1...	6.481	6.482	45501618	68273723	0.427m	0.475m
Sum	Aroclor-1254			172.5E6	143.4E6	1.712	0.943
Average	Aroclor-1254					0.342	0.314
32) L7	Aroclor-1260	6.050	6.055	21619402	31865873	0.255m	0.260m
33) L7	Aroclor-1...	6.258	6.203	37453498	69446847	0.362m	0.477m#
34) L7	Aroclor-1...	6.481	6.482	48988503	74238389	0.508m	0.626m
35) L7	Aroclor-1...	6.990	6.956	40926920	93585217	0.224	0.380m#
36) L7	Aroclor-1...	7.226	7.248	26920240	35151363	0.334	0.338m
Sum	Aroclor-1260			175.9E6	304.3E6	1.683	2.081
Average	Aroclor-1260					0.337	0.416
37) L8	Aroclor-1262	6.258	6.203	36099229	306.6E6	0.416m	2.453 #
38) L8	Aroclor-1...	6.561	6.546	20109882	102.9E6	0.163m	0.610 #
39) L8	Aroclor-1...	6.757	6.756f	14913226	85884176	0.137	0.520 #
40) L8	Aroclor-1...	6.990	6.957	40926920	130.9E6	0.185	0.433 #
41) L8	Aroclor-1...	7.226f	7.248f	26920240	67776931	0.329	0.482 #
Sum	Aroclor-1262			139.0E6	694.1E6	1.229	4.496
Average	Aroclor-1262					0.246	0.899
42) L9	Aroclor-1268	6.757	6.756f	14913226	85884176	1.918	7.990 #
43) L9	Aroclor-1...	7.226f	7.248f	26920240	67776931	4.042	9.118 #
44) L9	Aroclor-1...	7.282	7.279	8661763	41972654	0.045	0.164 #
45) L9	Aroclor-1...	7.448	7.488f	8218479	40501378	0.049	0.174 #
46) L9	Aroclor-1...	8.057	8.099	7580625	26155323	0.021	0.051 #
Sum	Aroclor-1268			66294332	262.3E6	6.075	17.498
Average	Aroclor-1268					1.215	3.500

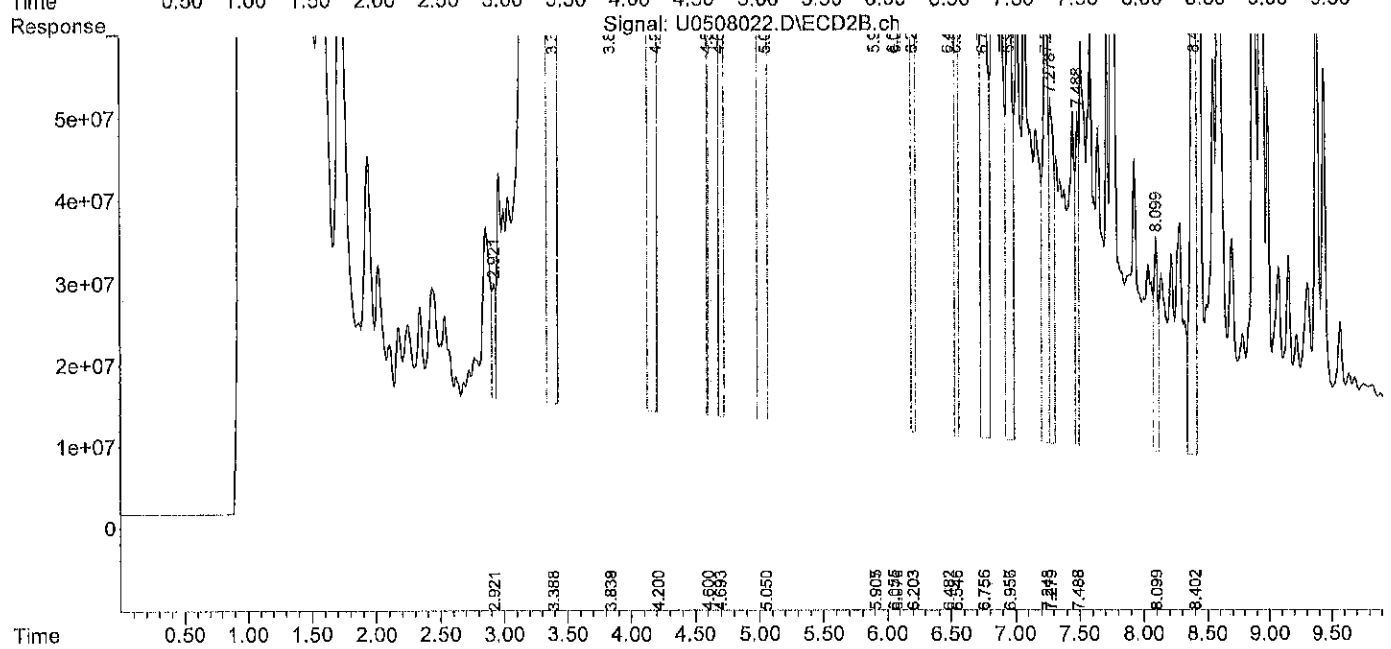
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : X:\PEST\Ulysses\DATA\U230508\
Data File : U0508022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 16:55
Operator : LAD
Sample : 04-330-01 MCU
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 09 15:52:22 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230508\
Data File : U0508023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 17:07
Operator : LAD
Sample : 04-330-02 MCU
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 09 15:48:50 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
System Monitoring Compounds						
1) S TCX	3.536	3.389	190.3E6	446.6E6	0.115	0.198 #
Spiked Amount 0.100			Recovery	= 115.00%	198.00%	
47) S DCB	8.275	8.409	172.6E6	356.9E6	0.181	0.269 #
Spiked Amount 0.100			Recovery	= 181.00%	269.00%	
Target Compounds						
2) L1 Aroclor-1016	4.205f	3.840	6963841	104.5E6	0.211m	2.435 #
3) L1 Aroclor-1...	4.630f	4.222f	6847444	239.9E6	0.148m	3.790 #
4) L1 Aroclor-1...	0.000	4.587	0	366.2E6	N.D. d	3.286 #
5) L1 Aroclor-1...	0.000	4.698	0	349.8E6	N.D.	4.982 #
6) L1 Aroclor-1...	5.080	5.076	69257313	293.5E6	1.540	4.519 #
Sum Aroclor-1016			83068598	1353.9E6	1.899	19.012
Average Aroclor-1016					0.633	3.802
7) L2 Aroclor-1221	0.000	2.922	0	14314265	N.D.	1.079 #
8) L2 Aroclor-1...	0.000	3.681	0	117.7E6	N.D.	4.321 #
9) L2 Aroclor-1...	0.000	3.840	0	104.5E6	N.D.	1.732 #
10) L2 Aroclor-1...	4.329	0.000	53976733	0	7.973	N.D. #
11) L2 Aroclor-1...	4.630	4.587	75464266	366.2E6	12.659	46.704 #
Sum Aroclor-1221			129.4E6	602.8E6	20.632	53.835
Average Aroclor-1221					10.316	13.459
12) L3 Aroclor-1232	0.000	3.840	0	104.5E6	N.D.	2.051 #
13) L3 Aroclor-1...	4.206	4.222f	73030664	239.9E6	2.925	6.961 #
14) L3 Aroclor-1...	0.000	4.698	0	349.8E6	N.D.	9.150 #
15) L3 Aroclor-1...	5.080	5.076	69257313	293.5E6	3.052	8.942 #
16) L3 Aroclor-1...	5.425	0.000	70854051	0	3.206	N.D. #
Sum Aroclor-1232			213.1E6	987.7E6	9.184	27.103
Average Aroclor-1232					3.061	6.776
17) L4 Aroclor-1242	4.630	4.587	75464266	366.2E6	0.912	3.144 #
18) L4 Aroclor-1...	0.000	4.698	0	349.8E6	N.D.	4.808 #
19) L4 Aroclor-1...	5.080	5.076	69257313	293.5E6	1.505	4.410 #
20) L4 Aroclor-1...	5.450	5.411	71514801	955.6E6	1.665	12.932 #
21) L4 Aroclor-1...	5.912	5.908	126.8E6	389.0E6	6.035	13.065 #
Sum Aroclor-1242			343.1E6	2354.1E6	10.117	38.358
Average Aroclor-1242					2.529	7.672
22) L5 Aroclor-1248	4.630	4.587	75464266	366.2E6	1.293	4.397 #
23) L5 Aroclor-1...	5.080	5.076	69257313	293.5E6	0.797	2.325 #
24) L5 Aroclor-1...	5.450	5.411	71514801	955.6E6	0.860	6.434 #
25) L5 Aroclor-1...	5.593	5.587	113.9E6	2135.2E6	1.890	16.245 #

Quantitation Report (QT Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230508\
Data File : U0508023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 17:07
Operator : LAD
Sample : 04-330-02 MCU
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 09 15:48:50 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
26)	L5 Aroclor-1...	5.912	5.908	126.8E6	389.0E6	2.367	5.133 #
	Sum Aroclor-1248			456.9E6	4139.5E6	7.207	34.534
Average	Aroclor-1248					1.441	6.907
27)	L6 Aroclor-1254	5.389	5.410	38225521	104.9E6	0.528m	0.928m#
28)	L6 Aroclor-1...	5.593	0.000	63208422	0	0.612m	N.D. d#
29)	L6 Aroclor-1...	5.912	5.907	87296546	140.5E6	0.670m	0.738m
30)	L6 Aroclor-1...	6.129	6.078	79831413	95970272	0.839m	0.732m
31)	L6 Aroclor-1...	6.483	6.483	141.9E6	199.3E6	1.331m	1.387m
	Sum Aroclor-1254			410.4E6	540.7E6	3.980	3.785
Average	Aroclor-1254					0.796 .603	0.946
32)	L7 Aroclor-1260	6.051	6.054	70889956	111.7E6	0.835m	0.913m
33)	L7 Aroclor-1...	6.260	6.206	113.1E6	175.8E6	1.094m	1.207m
34)	L7 Aroclor-1...	6.483	6.483	153.0E6	198.4E6	1.587	1.674m
35)	L7 Aroclor-1...	6.991	6.957	108.6E6	301.6E6	0.594	1.223m#
36)	L7 Aroclor-1...	7.226	7.252	59080649	86244171	0.733	0.830m
	Sum Aroclor-1260			504.6E6	873.6E6	4.844	5.846
Average	Aroclor-1260					0.969 .814	1.169
37)	L8 Aroclor-1262	6.260	6.206	125.6E6	300.6E6	1.448	2.404 #
38)	L8 Aroclor-1...	6.564	6.548	55470733	128.5E6	0.448	0.761 #
39)	L8 Aroclor-1...	6.759	6.774	41734686	109.6E6	0.383	0.663 #
40)	L8 Aroclor-1...	6.991	6.957	108.6E6	338.9E6	0.490	1.120 #
41)	L8 Aroclor-1...	7.226f	7.252f	59080649	119.1E6	0.722	0.847
	Sum Aroclor-1262			390.5E6	996.7E6	3.491	5.796
Average	Aroclor-1262					0.698	1.159
42)	L9 Aroclor-1268	6.759	6.774	41734686	109.6E6	5.367	10.198 #
43)	L9 Aroclor-1...	7.226f	7.252f	59080649	119.1E6	8.872	16.019 #
44)	L9 Aroclor-1...	7.284	7.283	21544673	62322402	0.112	0.244 #
45)	L9 Aroclor-1...	7.451	7.508	25830129	57091805	0.153	0.245 #
46)	L9 Aroclor-1...	8.064	8.106	33985707	69137956	0.093	0.134 #
	Sum Aroclor-1268			182.2E6	417.2E6	14.597	26.841
Average	Aroclor-1268					2.919	5.368

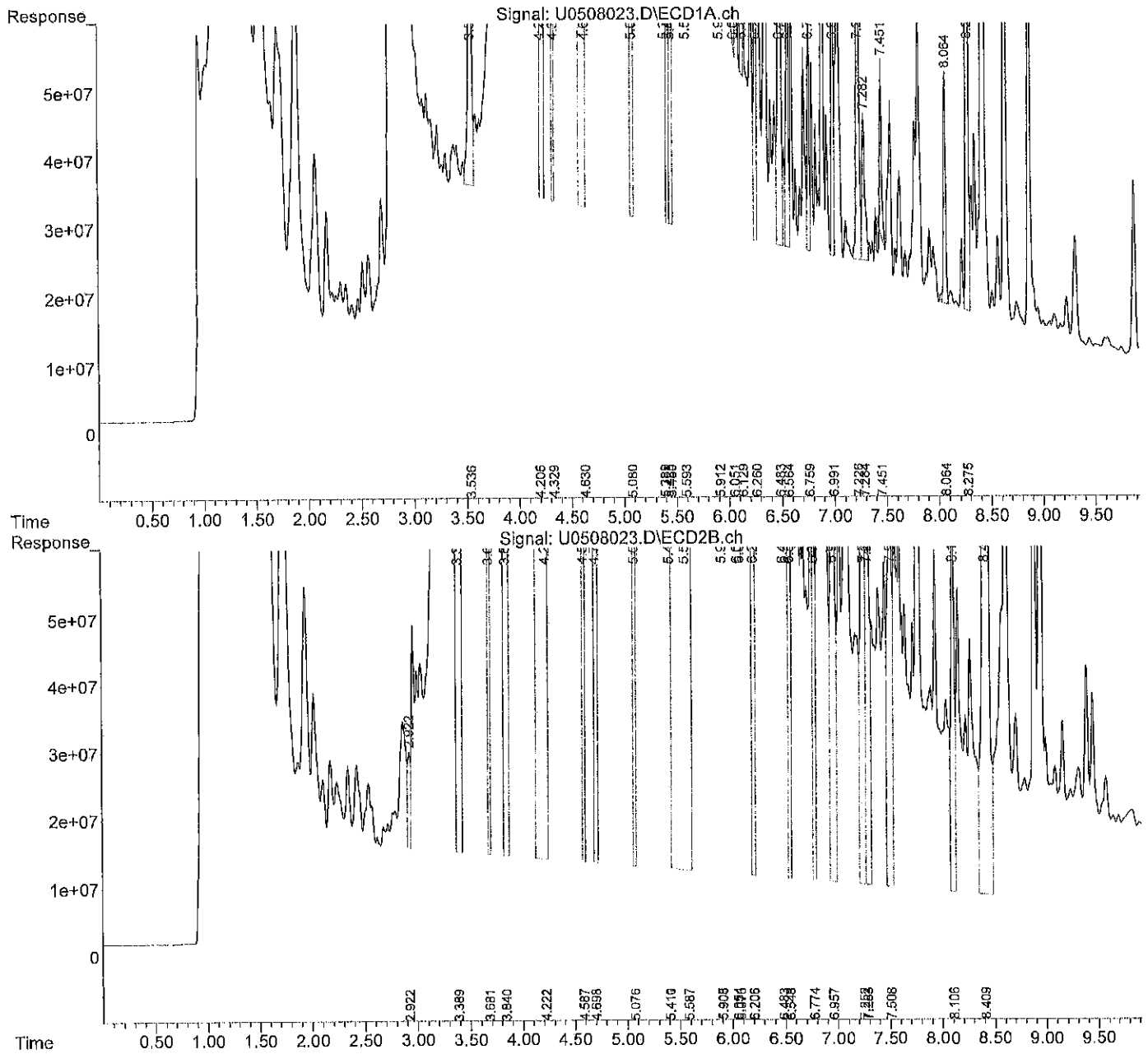
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

5-10

Data Path : X:\PEST\Ulysses\DATA\U230508\
Data File : U0508023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 17:07
Operator : LAD
Sample : 04-330-02 MCU
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 09 15:48:50 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230508\
Data File : U0508024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 17:19
Operator : LAD
Sample : 04-330-04 MCU
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 09 16:04:46 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
System Monitoring Compounds						
1) S TCX	3.538	3.390	219.4E6	394.3E6	0.133	0.175 #
Spiked Amount 0.100			Recovery	= 133.00%	175.00%	
47) S DCB	8.271	8.417	174.0E6	869.4E6	0.182	0.655 #
Spiked Amount 0.100			Recovery	= 182.00%	655.00%	
Target Compounds						
2) L1 Aroclor-1016	0.000	3.842	0	65320710	N.D.	1.522 #
3) L1 Aroclor-1...	4.214	0.000	240.3E6	0	5.183	N.D. #
4) L1 Aroclor-1...	4.631	4.590	7250353	182.4E6	0.090m	1.636 #
5) L1 Aroclor-1...	4.734	4.690	65227276	172.4E6	1.243	2.455 #
6) L1 Aroclor-1...	5.083	5.077	41104885	145.9E6	0.914	2.246 #
Sum Aroclor-1016			353.9E6	566.0E6	7.430	7.860
Average Aroclor-1016					1.857	1.965
7) L2 Aroclor-1221	0.000	2.924	0	4119519	N.D.	0.311 #
8) L2 Aroclor-1...	3.711	3.649	9610611	63105845	0.502m	2.316 #
9) L2 Aroclor-1...	4.335f	3.842	13331836	65320710	0.284m	1.082 #
10) L2 Aroclor-1...	4.333	4.224f	100.9E6	160.9E6	14.899	17.694
11) L2 Aroclor-1...	4.632	4.590	49512476	182.4E6	8.306	23.259 #
Sum Aroclor-1221			173.3E6	475.8E6	23.991	44.662
Average Aroclor-1221					5.998	8.932
12) L3 Aroclor-1232	0.000	3.842	0	65320710	N.D.	1.282 #
13) L3 Aroclor-1...	4.214	0.000	240.3E6	0	9.625	N.D. #
14) L3 Aroclor-1...	4.734	4.690	65227276	172.4E6	2.246	4.509 #
15) L3 Aroclor-1...	5.083	5.077	41104885	145.9E6	1.812	4.444 #
16) L3 Aroclor-1...	5.427	5.378	47779651	313.2E6	2.162	10.221 #
Sum Aroclor-1232			394.4E6	696.8E6	15.845	20.456
Average Aroclor-1232					3.961	5.114
17) L4 Aroclor-1242	4.632	4.590	49512476	182.4E6	0.598	1.566 #
18) L4 Aroclor-1...	4.734	4.690	65227276	172.4E6	1.221	2.369 #
19) L4 Aroclor-1...	5.083	5.077	41104885	145.9E6	0.893	2.192 #
20) L4 Aroclor-1...	5.452	5.411	40161316	387.4E6	0.935	5.243 #
21) L4 Aroclor-1...	5.914	5.910	109.7E6	265.5E6	5.219	8.918 #
Sum Aroclor-1242			305.7E6	1153.6E6	8.867	20.287
Average Aroclor-1242					1.773	4.057
22) L5 Aroclor-1248	4.632	4.590	49512476	182.4E6	0.849	2.190 #
23) L5 Aroclor-1...	5.083	5.077	41104885	145.9E6	0.473	1.156 #
24) L5 Aroclor-1...	5.452	5.411	40161316	387.4E6	0.483	2.609 #
25) L5 Aroclor-1...	5.597f	5.583	94223190	2124.6E6	1.564	16.165 #

Data Path : X:\PEST\Ulysses\DATA\U230508\
Data File : U0508024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 17:19
Operator : LAD
Sample : 04-330-04 MCU
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 09 16:04:46 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

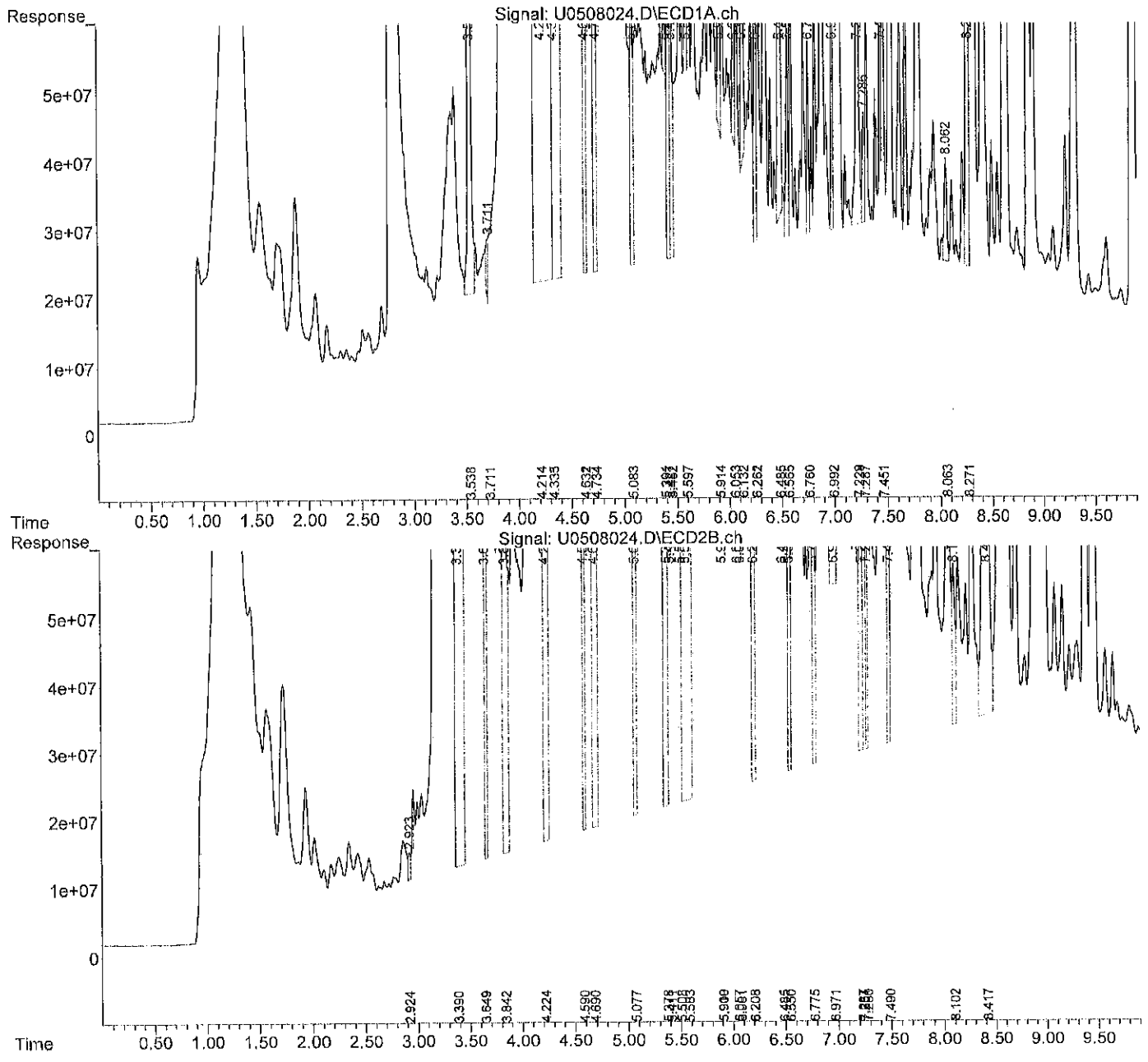
	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
26)	L5 Aroclor-1...	5.914	5.910	109.7E6	265.5E6	2.047	3.504 #
	Sum Aroclor-1248			334.7E6	3105.8E6	5.416	25.622
Average	Aroclor-1248					1.083	5.124
27)	L6 Aroclor-1254	5.391	5.411	39112051	75993811	0.540m	0.672m
28)	L6 Aroclor-1...	5.597	5.508f	67273147	12606495	0.651m	0.101m#
29)	L6 Aroclor-1...	5.914	5.909	91917791	134.2E6	0.706m	0.705m
30)	L6 Aroclor-1...	6.132	6.081	90320043	100.6E6	0.949m	0.767m
31)	L6 Aroclor-1...	6.485	6.485	120.2E6	177.2E6	1.128m	1.233m
	Sum Aroclor-1254			408.9E6	500.6E6	3.974	3.479
Average	Aroclor-1254					0.795 .632	0.696
32)	L7 Aroclor-1260	6.053	6.057	55073671	92717047	0.649m	0.758m
33)	L7 Aroclor-1...	6.261	6.208	85987864	140.6E6	0.832m	0.966m
34)	L7 Aroclor-1...	6.485	6.485	120.8E6	176.1E6	1.253m	1.486m
35)	L7 Aroclor-1...	6.992	6.971f	85254040	640.2E6	0.466m	2.597m#
36)	L7 Aroclor-1...	7.228	7.251	55412361	71144527	0.688m	0.684m
	Sum Aroclor-1260			402.5E6	1120.8E6	3.888	6.490
Average	Aroclor-1260					0.778 .659	1.298
37)	L8 Aroclor-1262	6.262	6.208	96293890	211.3E6	1.110	1.690 #
38)	L8 Aroclor-1...	6.565	6.550	32984436	78213467	0.267	0.463 #
39)	L8 Aroclor-1...	6.760	6.775	28074059	74628423	0.258	0.452 #
40)	L8 Aroclor-1...	6.992	0.000	86190872	0	0.389	N.D. #
41)	L8 Aroclor-1...	7.229f	7.237	53461052	95235136	0.653	0.677
	Sum Aroclor-1262			297.0E6	459.4E6	2.676	3.283
Average	Aroclor-1262					0.535	0.821
42)	L9 Aroclor-1268	6.760	6.775	28074059	74628423	3.610	6.943 #
43)	L9 Aroclor-1...	7.229f	7.237	53461052	95235136	8.028	12.812 #
44)	L9 Aroclor-1...	7.287f	7.280	16111785	47550903	0.084	0.186 #
45)	L9 Aroclor-1...	7.451	7.490f	51678504	65221918	0.307	0.280
46)	L9 Aroclor-1...	8.063	8.102	15086201	23508499	0.041	0.046
	Sum Aroclor-1268			164.4E6	306.1E6	12.070	20.267
Average	Aroclor-1268					2.414	4.053

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : X:\PEST\Ulysses\DATA\U230508\
Data File : U0508024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 17:19
Operator : LAD
Sample : 04-330-04 MCU
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 09 16:04:46 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230508\
Data File : U0508025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 17:30
Operator : LAD
Sample : 04-330-05 MCU
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 09 16:20:44 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
System Monitoring Compounds						
1) S TCX	3.535	3.387	90484820	239.4E6	0.055	0.106 #
Spiked Amount 0.100			Recovery	=	55.00%	106.00%
47) S DCB	8.264	8.399	82401213	168.6E6	0.086	0.127 #
Spiked Amount 0.100			Recovery	=	86.00%	127.00%
Target Compounds						
2) L1 Aroclor-1016	3.860f	3.832	6156651	95733466	0.187	2.231 #
3) L1 Aroclor-1...	4.224	4.190	20261424	98043218	0.437	1.549 #
4) L1 Aroclor-1...	4.626	4.587	4016828	3753299	0.050	0.034 #
5) L1 Aroclor-1...	4.737	4.691	1302133	9938562	0.025m	0.142 #
6) L1 Aroclor-1...	5.075	5.071	1767174	2615767	0.039	0.040
Sum Aroclor-1016			33504210	210.1E6	0.738	3.995
Average Aroclor-1016					0.148	0.799
7) L2 Aroclor-1221	2.982	2.952	2301053	15809292	0.240	1.192 #
8) L2 Aroclor-1...	3.693	0.000	5796575	0	0.303	N.D. #
9) L2 Aroclor-1...	0.000	3.832	0	95733466	N.D.	1.586 #
10) L2 Aroclor-1...	4.329	0.000	10739651	0	1.586	N.D. #
11) L2 Aroclor-1...	4.626	4.587	4016828	3753299	0.674	0.479 #
Sum Aroclor-1221			22854107	115.3E6	2.803	3.256
Average Aroclor-1221					0.701	1.085
12) L3 Aroclor-1232	0.000	3.832	0	95733466	N.D.	1.878 #
13) L3 Aroclor-1...	4.224	4.190	20261424	98043218	0.812	2.844 #
14) L3 Aroclor-1...	4.738	4.691	3765696	9938562	0.130	0.260 #
15) L3 Aroclor-1...	5.075	5.071	1767174	2615767	0.078	0.080
16) L3 Aroclor-1...	5.420	5.370	1784669	3303070	0.081	0.108 #
Sum Aroclor-1232			27578964	209.6E6	1.100	5.170
Average Aroclor-1232					0.275	1.034
17) L4 Aroclor-1242	4.626	4.587	4016828	3753299	0.049	0.032 #
18) L4 Aroclor-1...	4.738	4.691	3765696	9938562	0.070	0.137 #
19) L4 Aroclor-1...	5.075	5.071	1767174	2615767	0.038	0.039
20) L4 Aroclor-1...	5.449	5.406	2086901	4973106	0.049	0.067 #
21) L4 Aroclor-1...	5.906	5.903	23049533	7929340	1.097	0.266 #
Sum Aroclor-1242			34686132	29210075	1.303	0.542
Average Aroclor-1242					0.261	0.108
22) L5 Aroclor-1248	4.626	4.587	4016828	3753299	0.069	0.045 #
23) L5 Aroclor-1...	5.075	5.071	1767174	2615767	0.020	0.021
24) L5 Aroclor-1...	5.449	5.406	2086901	4973106	0.025	0.033 #
25) L5 Aroclor-1...	5.590	5.593	3546414	4218055	0.059	0.032 #

Quantitation Report (QT Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230508\
Data File : U0508025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 17:30
Operator : LAD
Sample : 04-330-05 MCU
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 09 16:20:44 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
26) L5 Aroclor-1...	5.906	5.903	23049533	7929340	0.430	0.105 #
Sum Aroclor-1248			34466850	23489568	0.603	0.236
Average Aroclor-1248					0.121	0.047
27) L6 Aroclor-1254	5.387	5.406	2835766	4973106	0.039	0.044
28) L6 Aroclor-1...	5.590	5.560	3546414	34109352	0.034	0.274 #
29) L6 Aroclor-1...	5.908	5.903	4700349	5472328	0.036m	0.029m
30) L6 Aroclor-1...	6.130	6.074	9744074	4708594	0.102	0.036m#
31) L6 Aroclor-1...	6.479	6.478	9481893	8879929	0.089	0.062m#
Sum Aroclor-1254			30308496	58143310	0.301	0.444
Average Aroclor-1254					0.060 .036	0.089
32) L7 Aroclor-1260	6.043	6.051	5753080	6362501	0.068m	0.052m
33) L7 Aroclor-1...	6.256	6.201	6631329	11161298	0.064m	0.077m
34) L7 Aroclor-1...	6.478	6.478	8449965	8785326	0.088m	0.074m
35) L7 Aroclor-1...	6.984	6.951	8050230	24976223	0.044m	0.101m#
36) L7 Aroclor-1...	7.226	7.244	5550848	6701075	0.069m	0.064m
Sum Aroclor-1260			34435452	57986422	0.333	0.369
Average Aroclor-1260					0.067 .062	0.074
37) L8 Aroclor-1262	6.256	6.201	8313241	13796409	0.096	0.110
38) L8 Aroclor-1...	6.559	6.544	4229624	9134125	0.034	0.054 #
39) L8 Aroclor-1...	6.755	6.753f	3768594	33716951	0.035	0.204 #
40) L8 Aroclor-1...	6.984	6.952	8835699	35430699	0.040	0.117 #
41) L8 Aroclor-1...	7.226f	7.245	6116663	16183738	0.075	0.115 #
Sum Aroclor-1262			31263820	108.3E6	0.279	0.601
Average Aroclor-1262					0.056	0.120
42) L9 Aroclor-1268	6.755	6.753f	3768594	33716951	0.485	3.137 #
43) L9 Aroclor-1...	7.226f	7.245	6116663	16183738	0.918	2.177 #
44) L9 Aroclor-1...	7.286f	0.000	2410407	0	0.013	N.D. #
45) L9 Aroclor-1...	7.448	7.516f	3057850	16624702	0.018	0.071 #
46) L9 Aroclor-1...	8.053	8.093	3265994	9337916	0.009	0.018 #
Sum Aroclor-1268			18619508	75863307	1.443	5.404
Average Aroclor-1268					0.289	1.351

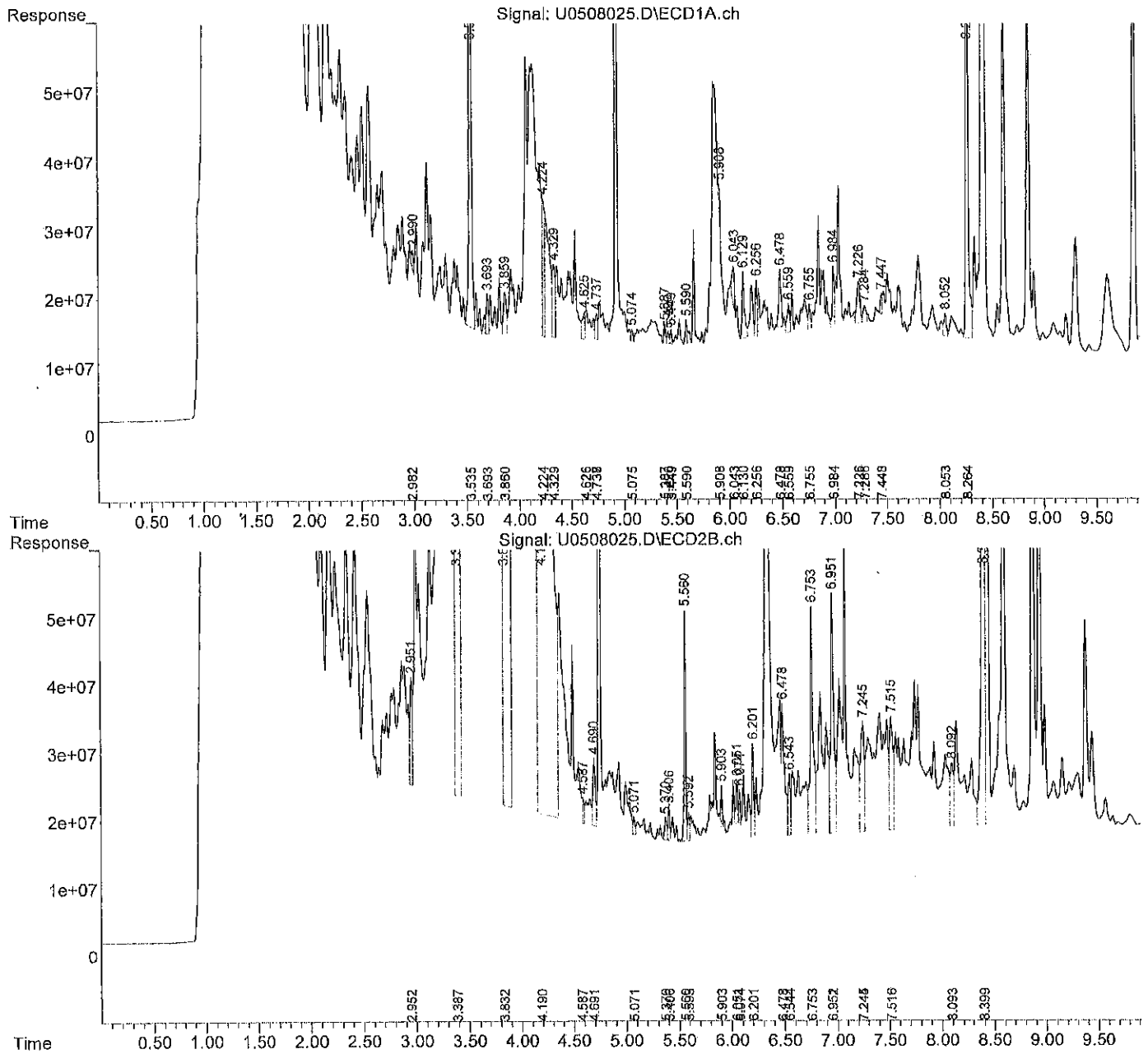
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

5/10

Data Path : X:\PEST\Ulysses\DATA\U230508\
Data File : U0508025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 17:30
Operator : LAD
Sample : 04-330-05 MCU
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 09 16:20:44 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230508\
Data File : U0508026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 17:42
Operator : LAD
Sample : 04-330-03 MCU 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 09 16:30:22 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound		RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
	System Monitoring Compounds								
1)	S	TCX	3.535	3.387	27791611	46013000	0.017	0.020	
	Spiked Amount	0.100			Recovery	=	17.00%	20.00%	
47)	S	DCB	8.271	8.406	34091642	57011265	0.036	0.043	
	Spiked Amount	0.100			Recovery	=	36.00%	43.00%	
	Target Compounds								
2)	L1	Aroclor-1016	3.867	3.838	1059087	4929785	0.032	0.115	#
3)	L1	Aroclor-1...	4.209	4.193	13395749	15934777	0.289	0.252	
4)	L1	Aroclor-1...	4.625	4.586	4614172	5891111	0.057	0.053	
5)	L1	Aroclor-1...	4.738	4.694	1293784	4532268	0.025m	0.065	#
6)	L1	Aroclor-1...	5.079	5.072	5767785	8509736	0.128	0.131	
	Sum	Aroclor-1016			26130578	39797676	0.531	0.615	
Average		Aroclor-1016					0.106	0.123	
7)	L2	Aroclor-1221	2.994	2.953	1421140	2999889	0.148	0.226	#
8)	L2	Aroclor-1...	3.696	3.678	1016145	2588498	0.053	0.095	#
9)	L2	Aroclor-1...	3.867f	3.838	1059087	4929785	0.023	0.082	#
10)	L2	Aroclor-1...	4.343	4.231f	7191699	14966301	1.062	1.646	#
11)	L2	Aroclor-1...	4.625	4.586	4614172	5891111	0.774	0.751	
	Sum	Aroclor-1221			15302242	31375584	2.060	2.800	
Average		Aroclor-1221					0.412	0.560	
12)	L3	Aroclor-1232	3.867f	3.838	1059087	4929785	0.027	0.097	#
13)	L3	Aroclor-1...	4.209	4.193	13395749	15934777	0.537	0.462	
14)	L3	Aroclor-1...	4.738	4.694	2842536	4532268	0.098	0.119	
15)	L3	Aroclor-1...	5.079	5.072	5767785	8509736	0.254	0.259	
16)	L3	Aroclor-1...	5.422	5.369	9069090	11595494	0.410	0.378	
	Sum	Aroclor-1232			32134248	45502059	1.326	1.315	
Average		Aroclor-1232					0.265	0.263	
17)	L4	Aroclor-1242	4.625	4.586	4614172	5891111	0.056	0.051	
18)	L4	Aroclor-1...	4.738	4.694	2842536	4532268	0.053	0.062	
19)	L4	Aroclor-1...	5.079	5.072	5767785	8509736	0.125	0.128	
20)	L4	Aroclor-1...	5.447	5.405	7326869	25455550	0.171	0.344	#
21)	L4	Aroclor-1...	5.910	5.905	22000594	35517327	1.047	1.193	
	Sum	Aroclor-1242			42551957	79905992	1.452	1.778	
Average		Aroclor-1242					0.290	0.356	
22)	L5	Aroclor-1248	4.625	4.586	4614172	5891111	0.079	0.071	
23)	L5	Aroclor-1...	5.079	5.072	5767785	8509736	0.066	0.067	
24)	L5	Aroclor-1...	5.447	5.405	7326869	25455550	0.088	0.171	#
25)	L5	Aroclor-1...	5.590	5.593	17828053	15423574	0.296	0.117	#

Quantitation Report (QT Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230508\
Data File : U0508026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 17:42
Operator : LAD
Sample : 04-330-03 MCU 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 09 16:30:22 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26)	L5 Aroclor-1...	5.910	5.905	22000594	35517327	0.411	0.469	
	Sum Aroclor-1248			57537474	90797298	0.940	0.896	
Average	Aroclor-1248					0.188	0.179	
27)	L6 Aroclor-1254	5.387	5.404	11899716	24776255	0.164m	0.219m	#
28)	L6 Aroclor-1...	5.589	5.546	16050122	26376192	0.155m	0.212m	#
29)	L6 Aroclor-1...	5.909	5.905	20627579	34153751	0.158m	0.179m	
30)	L6 Aroclor-1...	6.125	6.074	16383024	22896182	0.172	0.175m	
31)	L6 Aroclor-1...	6.480	6.481	28026015	33650146	0.263m	0.234m	
	Sum Aroclor-1254			92986457	141.9E6	0.913	1.019	
Average	Aroclor-1254					0.183	0.204	
32)	L7 Aroclor-1260	6.048	6.074	13885023	23138677	0.164	0.189m	
33)	L7 Aroclor-1...	6.258	6.204	20101709	30832516	0.195	0.212m	
34)	L7 Aroclor-1...	6.481	6.481	29345436	33743888	0.305	0.285m	
35)	L7 Aroclor-1...	6.986	6.954	16206555	104.0E6	0.089	0.422m	#
36)	L7 Aroclor-1...	7.223	7.249	9107587	13781055	0.113	0.133m	
	Sum Aroclor-1260			88646310	205.5E6	0.864	1.240	
Average	Aroclor-1260					0.173	0.248	
37)	L8 Aroclor-1262	6.258	6.204	20101709	32752874	0.232	0.262	
38)	L8 Aroclor-1...	6.562	6.545	7282603	14864004	0.059	0.088	#
39)	L8 Aroclor-1...	6.756	6.771	6044930	15777133	0.056	0.095	#
40)	L8 Aroclor-1...	6.986	6.954	16206555	111.0E6	0.073	0.367	#
41)	L8 Aroclor-1...	7.223f	7.249f	9107587	20398643	0.111	0.145	#
	Sum Aroclor-1262			58743385	194.8E6	0.530	0.957	
Average	Aroclor-1262					0.106	0.191	
42)	L9 Aroclor-1268	6.756	6.771	6044930	15777133	0.777	1.468	#
43)	L9 Aroclor-1...	7.223f	7.249f	9107587	20398643	1.368	2.744	#
44)	L9 Aroclor-1...	7.282	7.280	3213710	13461156	0.017	0.053	#
45)	L9 Aroclor-1...	7.447	7.505	6963615	14926765	0.041	0.064	#
46)	L9 Aroclor-1...	8.061	8.103	11070425	19345445	0.030	0.038	
	Sum Aroclor-1268			36400268	83909141	2.233	4.367	
Average	Aroclor-1268					0.447	0.873	

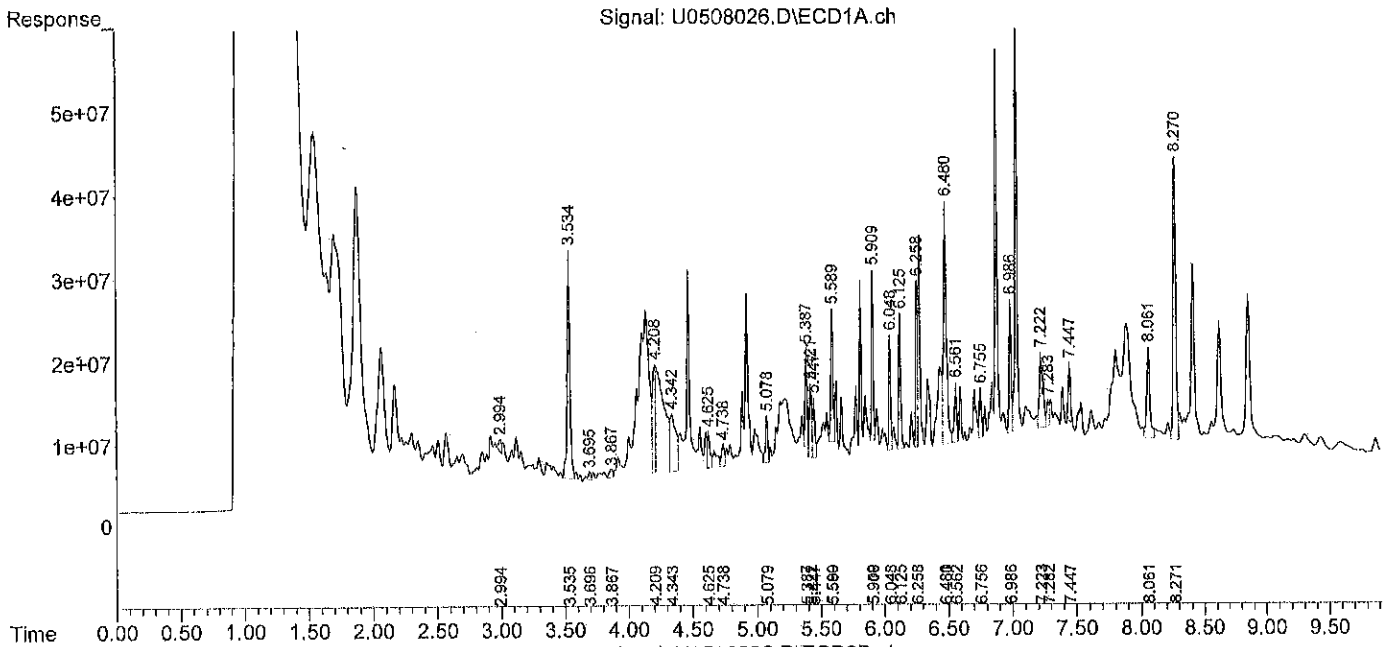
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

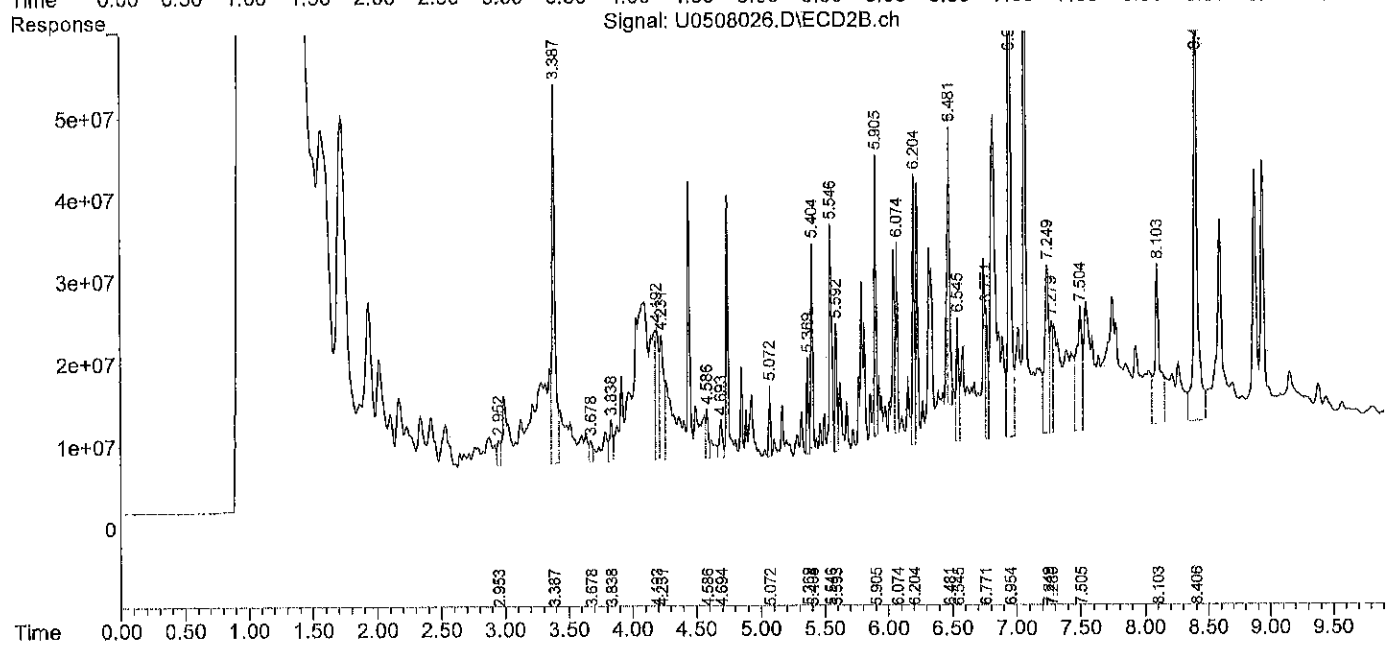
Quantitation Report (QT Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230508\
Data File : U0508026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 17:42
Operator : LAD
Sample : 04-330-03 MCU 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 09 16:30:22 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\2\DATA\U230508\
Data File : U0508021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 16:43
Operator : LAD
Sample : MB0505S1 MCU
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 08 16:53:32 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
System Monitoring Compounds							
1) S TCX	3.535	3.386	351.7E6	503.3E6	0.213	0.224	
Spiked Amount 0.100			Recovery	= 213.00%	224.00%		
47) S DCB	8.262	8.396	258.2E6	382.2E6	0.270	0.288	
Spiked Amount 0.100			Recovery	= 270.00%	288.00%		
Target Compounds							
2) L1 Aroclor-1016	3.864	3.836	6473399	20183991	0.197	0.470	#
3) L1 Aroclor-1...	4.193	4.173f	6095596	16988339	0.131	0.268	#
4) L1 Aroclor-1...	4.640	4.593	2854855	6058983	0.035	0.054	#
5) L1 Aroclor-1...	4.740	4.690	1416348	12834245	0.027	0.183	#
6) L1 Aroclor-1...	5.074	5.070	1056182	4503803	0.023	0.069	#
Sum Aroclor-1016			17896379	60569361	0.414	1.045	
Average Aroclor-1016					0.083	0.209	
7) L2 Aroclor-1221	2.987	2.952	2390901	27771068	0.249	2.093	#
8) L2 Aroclor-1...	3.693	3.677	7057677	18306502	0.369	0.672	#
9) L2 Aroclor-1...	3.864f	3.836	6473399	20183991	0.138	0.334	#
10) L2 Aroclor-1...	4.330	4.231f	2859067	9372949	0.422	1.031	#
11) L2 Aroclor-1...	4.640	4.593	2854855	6058983	0.479	0.773	#
Sum Aroclor-1221			21635899	81693494	1.657	4.903	
Average Aroclor-1221					0.331	0.981	
12) L3 Aroclor-1232	3.864f	3.836	6473399	20183991	0.164	0.396	#
13) L3 Aroclor-1...	4.229f	4.173f	5099730	16988339	0.204	0.493	#
14) L3 Aroclor-1...	4.740	4.690	1416348	12834245	0.049	0.336	#
15) L3 Aroclor-1...	5.074	5.070	1056182	4503803	0.047	0.137	#
16) L3 Aroclor-1...	5.447f	5.380	725111	3332336	0.033	0.109	#
Sum Aroclor-1232			14770768	57842714	0.496	1.471	
Average Aroclor-1232					0.099	0.294	
17) L4 Aroclor-1242	4.640	4.593	2854855	6058983	0.034	0.052	#
18) L4 Aroclor-1...	4.740	4.690	1416348	12834245	0.027	0.176	#
19) L4 Aroclor-1...	5.074	5.070	1056182	4503803	0.023	0.068	#
20) L4 Aroclor-1...	5.447	5.408	725111	3263038	0.017	0.044	#
21) L4 Aroclor-1...	5.910	5.894	759338	2093718	0.036	0.070	#
Sum Aroclor-1242			6811833	28753787	0.137	0.411	
Average Aroclor-1242					0.027	0.082	
22) L5 Aroclor-1248	4.640	4.593	2854855	6058983	0.049	0.073	#
23) L5 Aroclor-1...	5.074	5.070	1056182	4503803	0.012	0.036	#
24) L5 Aroclor-1...	5.447	5.408	725111	3263038	0.009	0.022	#
25) L5 Aroclor-1...	5.578	5.606f	483077	2394714	0.008	0.018	#

ND

5.10.23

Data Path : C:\MSDCHEM\2\DATA\U230508\
Data File : U0508021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 16:43
Operator : LAD
Sample : MB0505S1 MCU
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 08 16:53:32 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

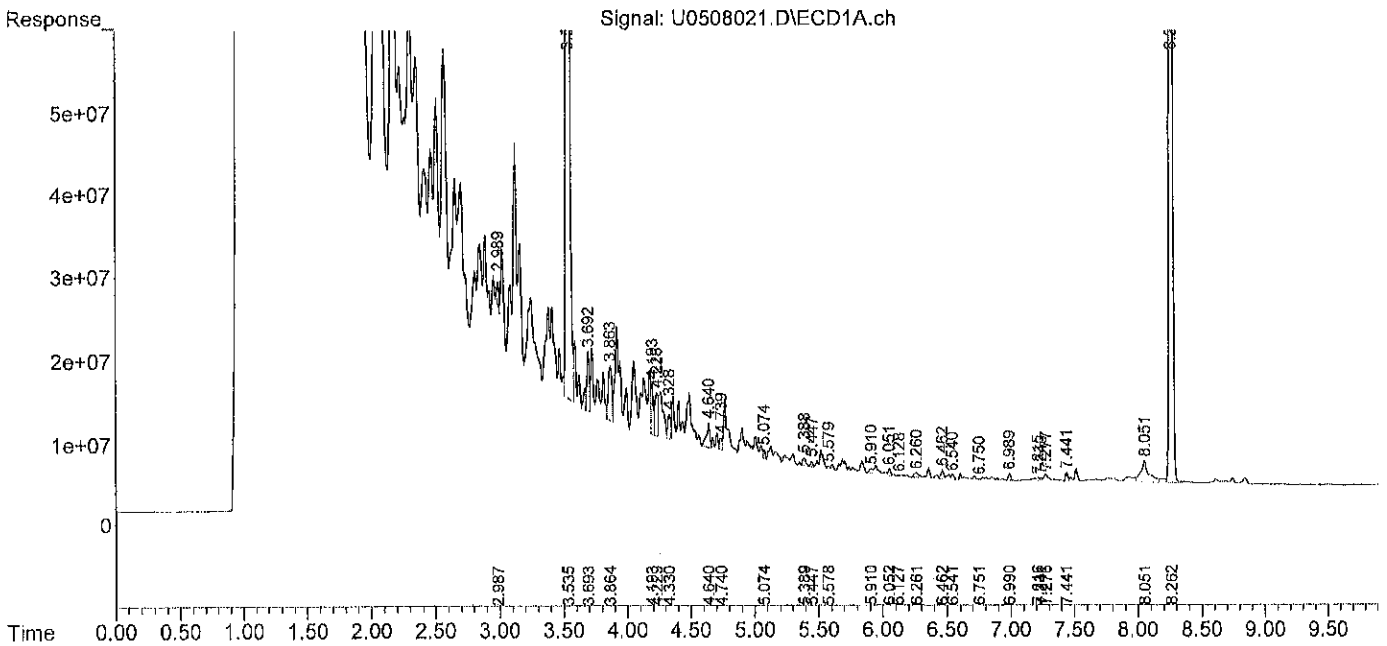
Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26) L5 Aroclor-1...	5.910	5.894	759338	2093718	0.014	0.028	#
Sum Aroclor-1248			5878563	18314257	0.092	0.176	
Average Aroclor-1248					0.018	0.035	
27) L6 Aroclor-1254	5.389	5.380f	1041985	3332336	0.014	0.029	#
28) L6 Aroclor-1...	5.578	5.554	483077	3863384	0.005	0.031	#
29) L6 Aroclor-1...	5.910	5.894	759338	2093718	0.006	0.011	#
30) L6 Aroclor-1...	6.127	6.056	173877	1467673	0.002	0.011	#
31) L6 Aroclor-1...	6.462	6.490	1226006	1077580	0.011	0.007	#
Sum Aroclor-1254			3684283	11834691	0.038	0.090	
Average Aroclor-1254					0.008	0.018	
32) L7 Aroclor-1260	6.052	6.032	921847	1515639	0.011	0.012	
33) L7 Aroclor-1...	6.261	6.202	640438	771812	0.006	0.005	
34) L7 Aroclor-1...	6.462	6.490	1226006	1077580	0.013	0.009	#
35) L7 Aroclor-1...	6.990	6.948	990788	523892	0.005	0.002	#
36) L7 Aroclor-1...	7.216	7.249	388725	366041	0.005	0.004	#
Sum Aroclor-1260			4167804	4254965	0.040	0.032	
Average Aroclor-1260					0.008	0.006	
37) L8 Aroclor-1262	6.261	6.202	640438	771812	0.007	0.006	
38) L8 Aroclor-1...	6.541f	6.554f	622489	1245254	0.005	0.007	#
39) L8 Aroclor-1...	6.751	6.769	157090	616659	0.001	0.004	#
40) L8 Aroclor-1...	6.990	6.948	990788	523892	0.004	0.002	#
41) L8 Aroclor-1...	7.241	7.249f	368769	366041	0.005	0.003	#
Sum Aroclor-1262			2779574	3523660	0.023	0.022	
Average Aroclor-1262					0.005	0.004	
42) L9 Aroclor-1268	6.751	6.769	157090	616659	0.020	0.057	#
43) L9 Aroclor-1...	7.241	7.249f	368769	366041	0.055	0.049	
44) L9 Aroclor-1...	7.276	0.000	837951	0	0.004	N.D.	#
45) L9 Aroclor-1...	7.441	7.499	1111376	1783367	0.007	0.008	
46) L9 Aroclor-1...	8.051	8.092	2872833	2186469	0.008	0.004	#
Sum Aroclor-1268			5348020	4952537	0.094	0.119	
Average Aroclor-1268					0.019	0.030	

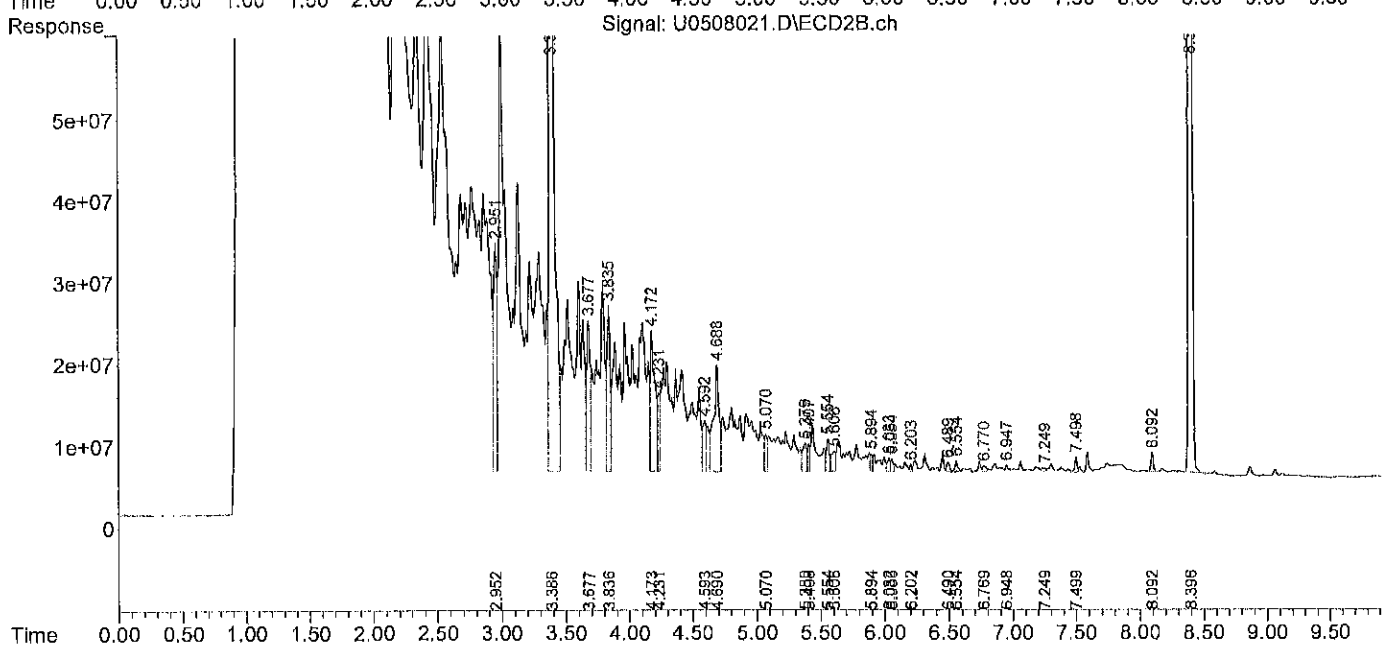
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\2\DATA\U230508\
Data File : U0508021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 16:43
Operator : LAD
Sample : MB0505S1 MCU
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 08 16:53:32 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\2\DATA\U230505\
Data File : U0505024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 May 2023 15:44
Operator : LAD
Sample : SBD0505S1
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 05 15:54:39 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
System Monitoring Compounds							
1) S TCX	3.534	3.386	145.3E6	202.8E6	0.088	0.090	
Spiked Amount 0.100			Recovery	=	88.00%	90.00%	
47) S DCB	8.262	8.396	110.0E6	158.1E6	0.115	0.119	
Spiked Amount 0.100			Recovery	=	115.00%	119.00%	
Target Compounds							
2) L1 Aroclor-1016	3.885	3.840	351620	659200	0.011	0.015	#
3) L1 Aroclor-1...	4.211	4.196	454466	676407	0.010	0.011	
4) L1 Aroclor-1...	4.625	4.585	664170	939131	0.008	0.008	
5) L1 Aroclor-1...	4.739	4.694	466653	968361	0.009	0.014	#
6) L1 Aroclor-1...	5.079	5.071	449262	739164	0.010	0.011	
Sum Aroclor-1016			2386171	3982263	0.048	0.060	
Average Aroclor-1016					0.010	0.012	
7) L2 Aroclor-1221	2.987	2.950	67187	306721	0.007	0.023	#
8) L2 Aroclor-1...	3.693	3.677	208767	295323	0.011	0.011	
9) L2 Aroclor-1...	3.885	3.840	351620	659200	0.007	0.011	#
10) L2 Aroclor-1...	4.326	4.250	112109	94762	0.017	0.010	#
11) L2 Aroclor-1...	4.625	4.585	664170	939131	0.111	0.120	
Sum Aroclor-1221			1403853	2295138	0.153	0.175	
Average Aroclor-1221					0.031	0.035	
12) L3 Aroclor-1232	3.885	3.840	351620	659200	0.009	0.013	#
13) L3 Aroclor-1...	4.211	4.196	454466	676407	0.018	0.020	
14) L3 Aroclor-1...	4.739	4.694	466653	968361	0.016	0.025	#
15) L3 Aroclor-1...	5.079	5.071	449262	739164	0.020	0.023	
16) L3 Aroclor-1...	5.421	5.369	425313	764049	0.019	0.025	#
Sum Aroclor-1232			2147314	3807181	0.082	0.105	
Average Aroclor-1232					0.016	0.021	
17) L4 Aroclor-1242	4.625	4.585	664170	939131	0.008	0.008	
18) L4 Aroclor-1...	4.739	4.694	466653	968361	0.009	0.013	#
19) L4 Aroclor-1...	5.079	5.071	449262	739164	0.010	0.011	
20) L4 Aroclor-1...	5.445	5.401	425995	15414303	0.010	0.209	#
21) L4 Aroclor-1...	5.909	5.903	6655579	9539951	0.317	0.320	
Sum Aroclor-1242			8661659	27600910	0.353	0.561	
Average Aroclor-1242					0.071	0.112	
22) L5 Aroclor-1248	4.625	4.585	664170	939131	0.011	0.011	
23) L5 Aroclor-1...	5.079	5.071	449262	739164	0.005	0.006	
24) L5 Aroclor-1...	5.445	5.401	425995	15414303	0.005	0.104	#
25) L5 Aroclor-1...	5.589	5.589	13684271	1000352	0.227	0.008	#

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\2\DATA\U230505\
Data File : U0505024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 May 2023 15:44
Operator : LAD
Sample : SBD0505S1
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 05 15:54:39 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26)	L5 Aroclor-1...	5.909	5.903	6655579	9539951	0.124	0.126	
	Sum Aroclor-1248			21879277	27632902	0.373	0.254	
Average	Aroclor-1248					0.075	0.051	
27)	L6 Aroclor-1254	5.387	5.401	10434365	15414303	0.144	0.136	
28)	L6 Aroclor-1...	5.589	5.544	13684271	18334198	0.132	0.147	
29)	L6 Aroclor-1...	5.909	5.929f	6655579	31618189	0.051	0.166	#
30)	L6 Aroclor-1...	6.129	6.050f	3844720	63890475	0.040	0.487	#
31)	L6 Aroclor-1...	6.479	6.478	50885539	62966118	0.477	0.438	
	Sum Aroclor-1254			85504474	192.2E6	0.845	1.375	
Average	Aroclor-1254					0.169	0.275	
32)	L7 Aroclor-1260	6.047	6.050	44800330	63890475	0.528	0.522	
33)	L7 Aroclor-1...	6.256	6.201	55036813	77301765	0.533	0.531	
34)	L7 Aroclor-1...	6.479	6.478	50885539	62966118	0.528	0.531	
35)	L7 Aroclor-1...	6.983	6.947	99319532	141.0E6	0.543	0.572	
36)	L7 Aroclor-1...	7.219	7.244	44663057	59241862	0.554	0.570	
	Sum Aroclor-1260			294.7E6	404.4E6	2.686	2.726	
Average	Aroclor-1260					0.537	0.545	
37)	L8 Aroclor-1262	6.256	6.201	55036813	77301765	0.634	0.618	
38)	L8 Aroclor-1...	6.559	6.542	41409161	58035430	0.335	0.344	
39)	L8 Aroclor-1...	6.753	6.769	42271474	62329194	0.388	0.377	
40)	L8 Aroclor-1...	6.983	6.947	99319532	141.0E6	0.448	0.466	
41)	L8 Aroclor-1...	7.219f	7.244	44663057	59241862	0.546	0.421	
	Sum Aroclor-1262			282.7E6	397.9E6	2.351	2.226	
Average	Aroclor-1262					0.470	0.445	
42)	L9 Aroclor-1268	6.753	6.769	42271474	62329194	5.436	5.799	
43)	L9 Aroclor-1...	7.219f	7.244	44663057	59241862	6.707	7.970	
44)	L9 Aroclor-1...	7.276	7.274	17728015	20278346	0.092	0.079	
45)	L9 Aroclor-1...	7.441	7.498	3248015	4367153	0.019	0.019	
46)	L9 Aroclor-1...	8.051	8.092	4785270	6470240	0.013	0.013	
	Sum Aroclor-1268			112.7E6	152.7E6	12.267	13.880	
Average	Aroclor-1268					2.453	2.776	

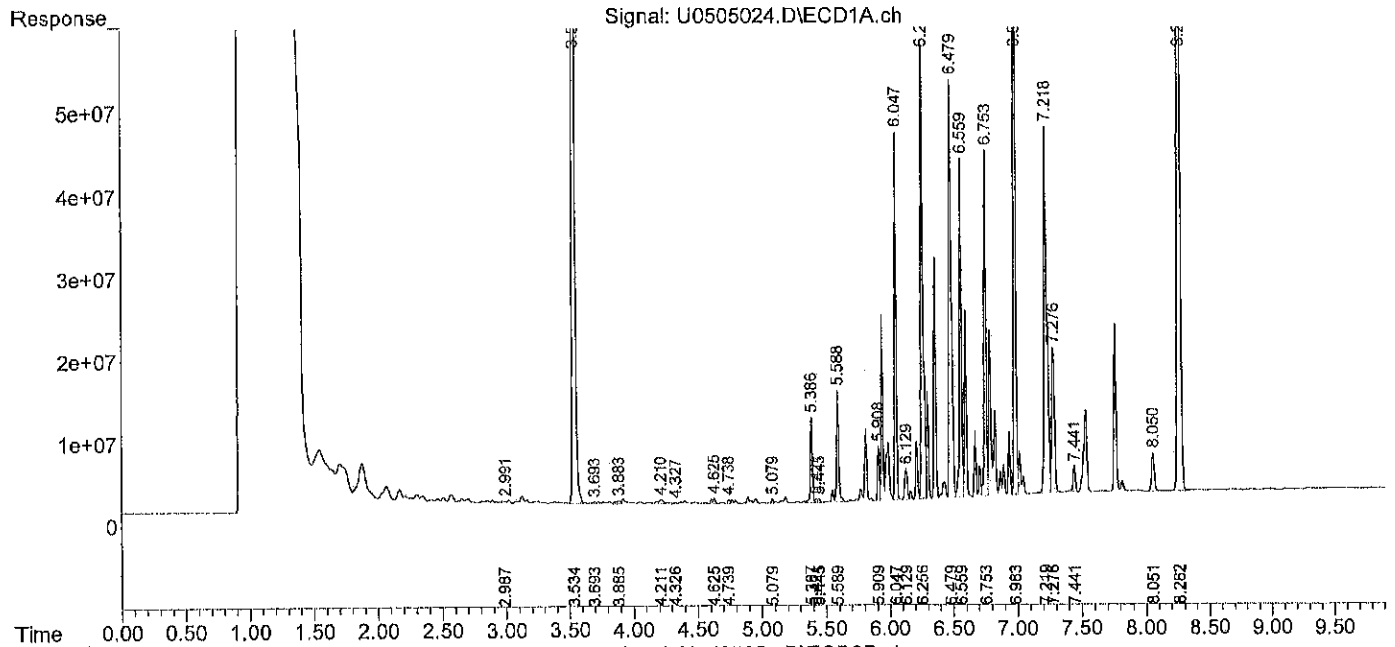
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

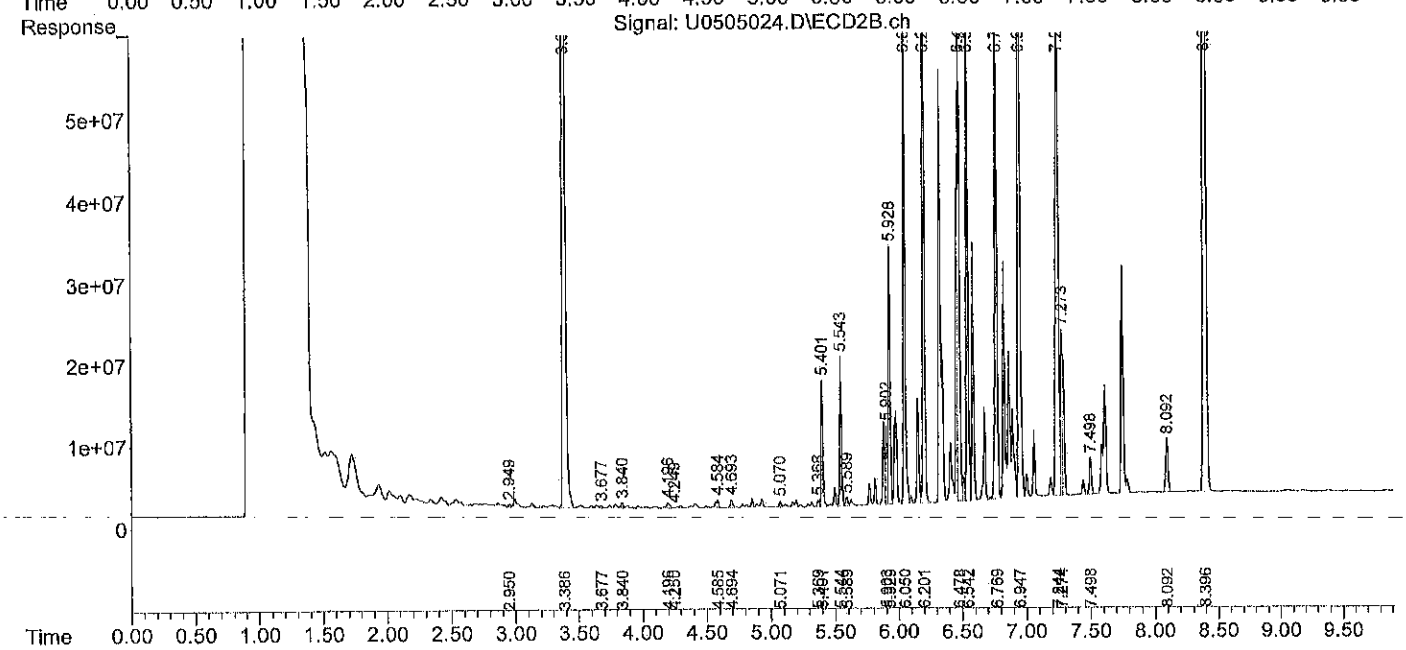
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\2\DATA\U230505\
Data File : U0505024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 May 2023 15:44
Operator : LAD
Sample : SBD0505S1
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 05 15:54:39 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\2\DATA\U230505\
Data File : U0505023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 May 2023 15:32
Operator : LAD
Sample : SB0505S1
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 05 15:42:45 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
System Monitoring Compounds						
1) S TCX	3.534	3.384	145.4E6	196.6E6	0.088	0.087
Spiked Amount 0.100			Recovery	= 88.00%	87.00%	
47) S DCB	8.264	8.397	112.0E6	161.1E6	0.117	0.121
Spiked Amount 0.100			Recovery	= 117.00%	121.00%	
Target Compounds						
2) L1 Aroclor-1016	3.885	3.839	362599	659150	0.011	0.015 #
3) L1 Aroclor-1...	4.211	4.196	465797	685699	0.010	0.011
4) L1 Aroclor-1...	4.626	4.584	660020	922387	0.008	0.008
5) L1 Aroclor-1...	4.741	4.693	461518	928622	0.009	0.013 #
6) L1 Aroclor-1...	5.080	5.071	462774	717535	0.010	0.011
Sum Aroclor-1016			2412708	3913393	0.048	0.059
Average Aroclor-1016					0.010	0.012
7) L2 Aroclor-1221	2.993	2.949	93552	314029	0.010	0.024 #
8) L2 Aroclor-1...	3.693	3.677	242523	292698	0.013	0.011
9) L2 Aroclor-1...	3.885	3.839	362599	659150	0.008	0.011 #
10) L2 Aroclor-1...	4.325	4.250	118452	99978	0.017	0.011 #
11) L2 Aroclor-1...	4.626	4.584	660020	922387	0.111	0.118
Sum Aroclor-1221			1477146	2288242	0.158	0.174
Average Aroclor-1221					0.032	0.035
12) L3 Aroclor-1232	3.885	3.839	362599	659150	0.009	0.013 #
13) L3 Aroclor-1...	4.211	4.196	465797	685699	0.019	0.020
14) L3 Aroclor-1...	4.741	4.693	461518	928622	0.016	0.024 #
15) L3 Aroclor-1...	5.080	5.071	462774	717535	0.020	0.022
16) L3 Aroclor-1...	5.421	5.368	459322	734648	0.021	0.024
Sum Aroclor-1232			2212009	3725654	0.085	0.103
Average Aroclor-1232					0.017	0.021
17) L4 Aroclor-1242	4.626	4.584	660020	922387	0.008	0.008
18) L4 Aroclor-1...	4.741	4.693	461518	928622	0.009	0.013 #
19) L4 Aroclor-1...	5.080	5.071	462774	717535	0.010	0.011
20) L4 Aroclor-1...	5.446	5.400	455834	15219710	0.011	0.206 #
21) L4 Aroclor-1...	5.909	5.903	6823381	9732907	0.325	0.327
Sum Aroclor-1242			8863527	27521161	0.362	0.564
Average Aroclor-1242					0.072	0.113
22) L5 Aroclor-1248	4.626	4.584	660020	922387	0.011	0.011
23) L5 Aroclor-1...	5.080	5.071	462774	717535	0.005	0.006
24) L5 Aroclor-1...	5.446	5.400	455834	15219710	0.005	0.102 #
25) L5 Aroclor-1...	5.590	5.589	13930073	968408	0.231	0.007 #

Data Path : C:\MSDCHEM\2\DATA\U230505\
Data File : U0505023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 May 2023 15:32
Operator : LAD
Sample : SB0505S1
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 05 15:42:45 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26)	L5 Aroclor-1...	5.909	5.903	6823381	9732907	0.127	0.128	
	Sum Aroclor-1248			22332082	27560947	0.381	0.255	
Average	Aroclor-1248					0.076	0.051	
27)	L6 Aroclor-1254	5.387	5.400	10802682	15219710	0.149	0.135	
28)	L6 Aroclor-1...	5.590	5.543	13930073	19017414	0.135	0.153	
29)	L6 Aroclor-1...	5.909	5.929f	6823381	32605817	0.052	0.171	#
30)	L6 Aroclor-1...	6.130	6.049f	3772252	64720612	0.040	0.493	#
31)	L6 Aroclor-1...	6.479	6.478	54235839	64321427	0.509	0.448	
	Sum Aroclor-1254			89564227	195.9E6	0.885	1.400	
Average	Aroclor-1254					0.177	0.280	
32)	L7 Aroclor-1260	6.048	6.049	45776070	64720612	0.539	0.529	
33)	L7 Aroclor-1...	6.256	6.201	57275873	79531162	0.554	0.546	
34)	L7 Aroclor-1...	6.479	6.478	54235839	64321427	0.563	0.543	
35)	L7 Aroclor-1...	6.984	6.949	100.2E6	144.0E6	0.548	0.584	
36)	L7 Aroclor-1...	7.220	7.245	46036123	60802189	0.571	0.585	
	Sum Aroclor-1260			303.6E6	413.4E6	2.776	2.787	
Average	Aroclor-1260					0.555	0.557	
37)	L8 Aroclor-1262	6.256	6.201	57275873	79531162	0.660	0.636	
38)	L8 Aroclor-1...	6.560	6.543	42632395	57781194	0.345	0.342	
39)	L8 Aroclor-1...	6.754	6.769	42398040	62597853	0.390	0.379	
40)	L8 Aroclor-1...	6.984	6.949	100.2E6	144.0E6	0.452	0.476	
41)	L8 Aroclor-1...	7.220f	7.245	46036123	60802189	0.563	0.432	
	Sum Aroclor-1262			288.6E6	404.8E6	2.409	2.266	
Average	Aroclor-1262					0.482	0.453	
42)	L9 Aroclor-1268	6.754	6.769	42398040	62597853	5.452	5.824	
43)	L9 Aroclor-1...	7.220f	7.245	46036123	60802189	6.913	8.180	
44)	L9 Aroclor-1...	7.277	7.274	18278600	21143563	0.095	0.083	
45)	L9 Aroclor-1...	7.442	7.499	3446255	4616011	0.020	0.020	
46)	L9 Aroclor-1...	8.053	8.093	4862188	6683781	0.013	0.013	
	Sum Aroclor-1268			115.0E6	155.8E6	12.494	14.119	
Average	Aroclor-1268					2.499	2.824	

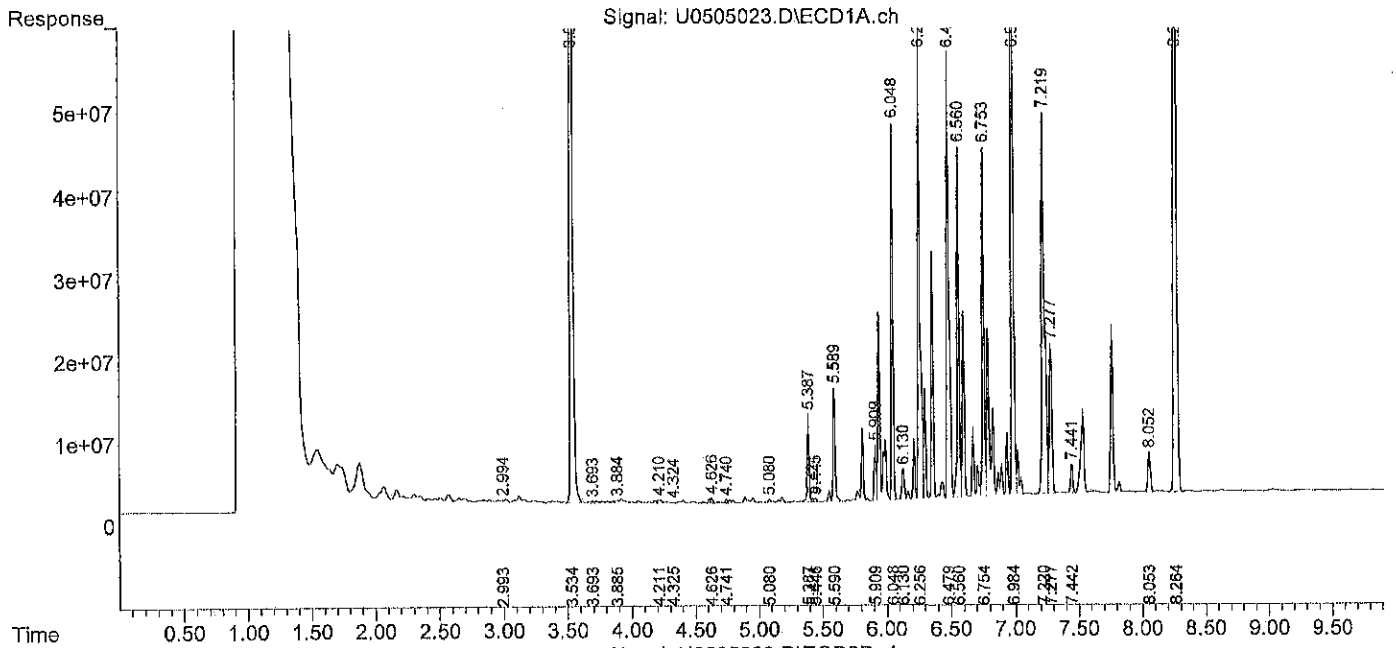
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

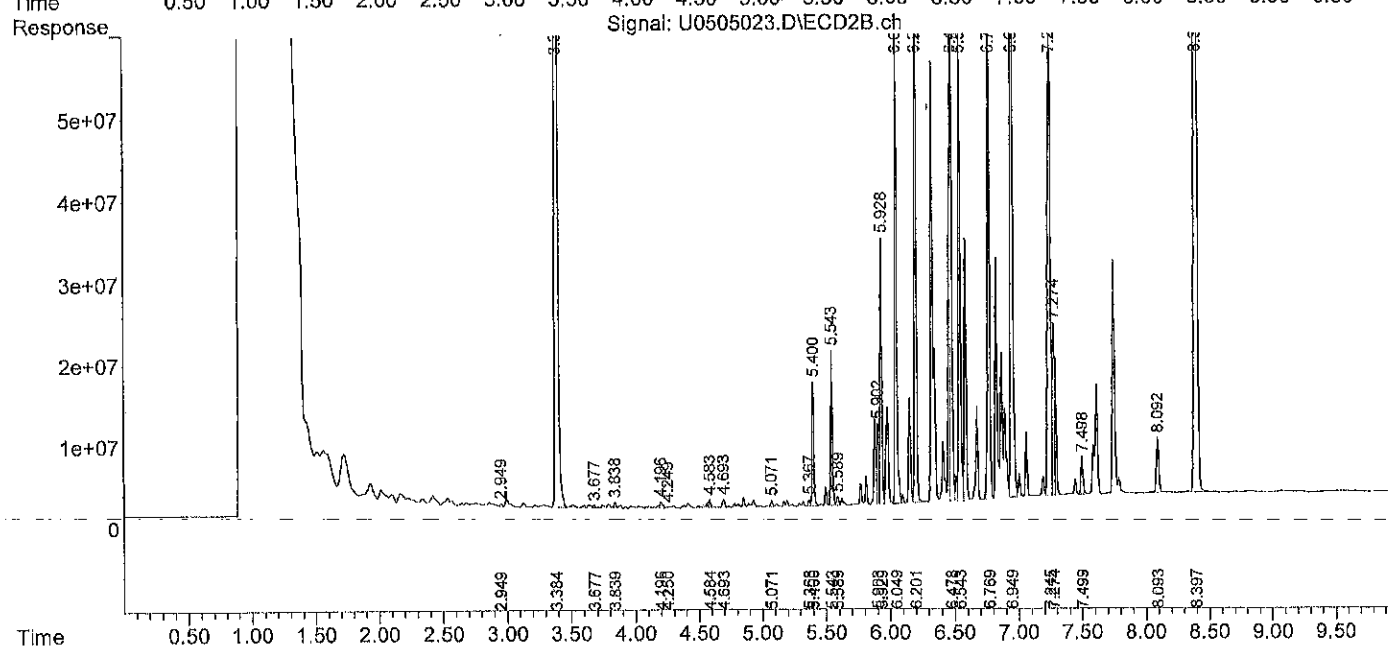
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\2\DATA\U230505\
Data File : U0505023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 May 2023 15:32
Operator : LAD
Sample : SB0505S1
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 05 15:42:45 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Search by: Ret Time | Name | Index | Find Compound

External Standard Comp

- TCX
- Aroclor-1016
- Aroclor-1016 (2)
- Aroclor-1016 (3)
- Aroclor-1016 (4)
- Aroclor-1016 (5)
- Aroclor-1221
- Aroclor-1221 (2)
- Aroclor-1221 (3)
- Aroclor-1221 (4)
- Aroclor-1221 (5)
- Aroclor-1232
- Aroclor-1232 (2)
- Aroclor-1232 (3)
- Aroclor-1232 (4)
- Aroclor-1232 (5)
- Aroclor-1242
- Aroclor-1242 (2)
- Aroclor-1242 (3)
- Aroclor-1242 (4)
- Aroclor-1242 (5)
- Aroclor-1248
- Aroclor-1248 (2)
- Aroclor-1248 (3)
- Aroclor-1248 (4)
- Aroclor-1248 (5)
- Aroclor-1254
- Aroclor-1254 (2)
- Aroclor-1254 (3)
- Aroclor-1254 (4)
- Aroclor-1254 (5)
- Aroclor-1260
- Aroclor-1260 (2)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: TCX Concentration Units: ppm Compound Type: S

Signals to Be Used for Quantitation

Ret Time: 3.535 RRT:

Extract signals from

- 0.030 + 0.050 Min %

This is 3.505 to 3.585 minutes

Quant signal: TIC % Uncertainty

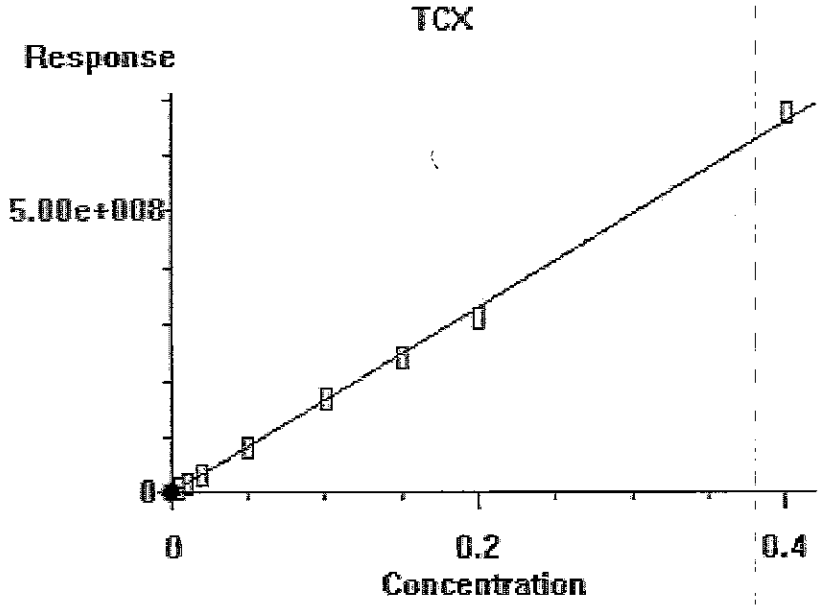
m/z Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	0.004000	6946629.874076
2	0.010000	16568356.041017
3	0.020000	32572715.110822
4	0.050000	81466489.439807
5	0.100000	168326759.48075
6	0.150000	243177097.47822
7	0.200000	309202794.64195
8	0.400000	674482060.64742

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

Compound Database

External Standard Comp

- TCX
- Aroclor-1016
- Aroclor-1016 (2)
- Aroclor-1016 (3)
- Aroclor-1016 (4)
- Aroclor-1016 (5)
- Aroclor-1221
- Aroclor-1221 (2)
- Aroclor-1221 (3)
- Aroclor-1221 (4)
- Aroclor-1221 (5)
- Aroclor-1232
- Aroclor-1232 (2)
- Aroclor-1232 (3)
- Aroclor-1232 (4)
- Aroclor-1232 (5)
- Aroclor-1242
- Aroclor-1242 (2)
- Aroclor-1242 (3)
- Aroclor-1242 (4)
- Aroclor-1242 (5)
- Aroclor-1248
- Aroclor-1248 (2)
- Aroclor-1248 (3)
- Aroclor-1248 (4)
- Aroclor-1248 (5)
- Aroclor-1254
- Aroclor-1254 (2)
- Aroclor-1254 (3)
- Aroclor-1254 (4)
- Aroclor-1254 (5)
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1016 | Concentration Units: ppm | Compound Type: L1

Signals to Be Used for Quantitation

Ret Time: 3.884 | RRT: 0.000

Extract signals from

- 0.030 + 0.030 (Min / %)

This is 3.854 to 3.914 minutes

Quant signal: TIC | % Uncertainty

m/z | Relative Response: Rel

Target

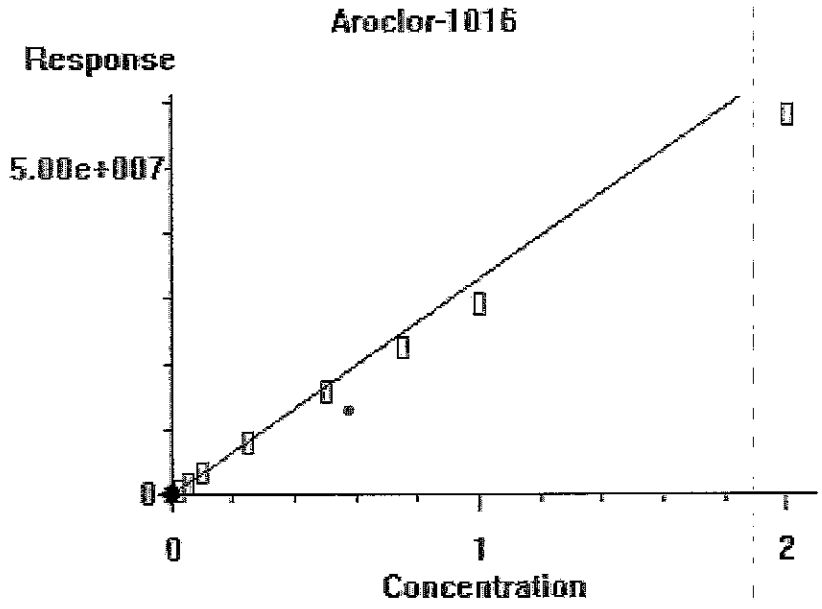
		TIC	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

TIC: 100.00

Level	Concentration	Response
1	0.020000	774230.374682
2	0.050000	1850551.017960
3	0.100000	3477624.496148
4	0.250000	8193197.419393
5	0.500000	15847066.45580
6	0.750000	22594723.58033
7	1.000000	29141525.97444
8	2.000000	58034979.621027

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Largest area/height
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- TCX
- Aroclor-1016
- Aroclor-1016 {2}
- Aroclor-1016 {3}
- Aroclor-1016 {4}
- Aroclor-1016 {5}
- Aroclor-1221
- Aroclor-1221 {2}
- Aroclor-1221 {3}
- Aroclor-1221 {4}
- Aroclor-1221 {5}
- Aroclor-1232
- Aroclor-1232 {2}
- Aroclor-1232 {3}
- Aroclor-1232 {4}
- Aroclor-1232 {5}
- Aroclor-1242
- Aroclor-1242 {2}
- Aroclor-1242 {3}
- Aroclor-1242 {4}
- Aroclor-1242 {5}
- Aroclor-1248
- Aroclor-1248 {2}
- Aroclor-1248 {3}
- Aroclor-1248 {4}
- Aroclor-1248 {5}
- Aroclor-1254
- Aroclor-1254 {2}
- Aroclor-1254 {3}
- Aroclor-1254 {4}
- Aroclor-1254 {5}
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1016 {2} | Concentration Units: ppm | Compound Type: L1

Signals to Be Used for Quantitation

Ret Time: 4.210 | RRT: 0.000

Extract signals from: - 0.050 + 0.050 (Min / %)

This is 4.160 to 4.260 minutes

Quant signal: TIC | % Uncertainty

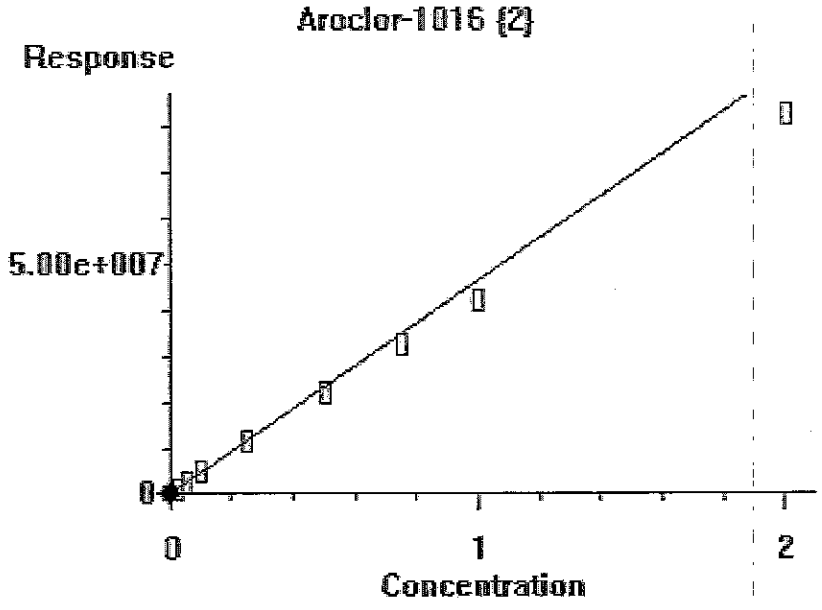
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc

Level	Concentration	Response
1	0.020000	1040664.461738
2	0.050000	2560462.435888
3	0.100000	4872244.704767
4	0.250000	11778972.772685
5	0.500000	22297130.318533
6	0.750000	32622635.098592
7	1.000000	42340703.863516
8	2.000000	82733585.395796



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- TCX
- Aroclor-1016
- Aroclor-1016 {2}
- Aroclor-1016 {3}
- Aroclor-1016 {4}
- Aroclor-1016 {5}
- Aroclor-1221
- Aroclor-1221 {2}
- Aroclor-1221 {3}
- Aroclor-1221 {4}
- Aroclor-1221 {5}
- Aroclor-1232
- Aroclor-1232 {2}
- Aroclor-1232 {3}
- Aroclor-1232 {4}
- Aroclor-1232 {5}
- Aroclor-1242
- Aroclor-1242 {2}
- Aroclor-1242 {3}
- Aroclor-1242 {4}
- Aroclor-1242 {5}
- Aroclor-1248
- Aroclor-1248 {2}
- Aroclor-1248 {3}
- Aroclor-1248 {4}
- Aroclor-1248 {5}
- Aroclor-1254
- Aroclor-1254 {2}
- Aroclor-1254 {3}
- Aroclor-1254 {4}
- Aroclor-1254 {5}
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1016 {3} | Concentration Units: ppm | Compound Type: L1

Signals to Be Used for Quantitation

Ret Time: 4.626 | RRT: 0.000

Extract signals from

- 0.020 + 0.050 | Min | %

This is 4.606 to 4.676 minutes

Quant signal: TIC | % Uncertainty

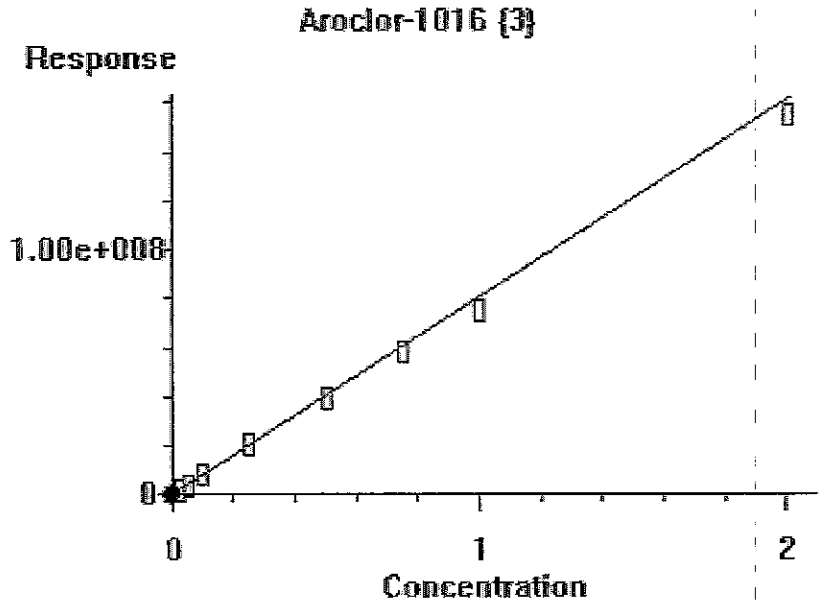
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	0.020000	1820583.442534
2	0.050000	4113157.172273
3	0.100000	8111374.688013
4	0.250000	20409540.796455
5	0.500000	39690791.124238
6	0.750000	58111281.503493
7	1.000000	75525742.780783
8	2.000000	154944839.04600

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- TCX
- Aroclor-1016
- Aroclor-1016 {2}
- Aroclor-1016 {3}
- Aroclor-1016 {4}
- Aroclor-1016 {5}
- Aroclor-1221
- Aroclor-1221 {2}
- Aroclor-1221 {3}
- Aroclor-1221 {4}
- Aroclor-1221 {5}
- Aroclor-1232
- Aroclor-1232 {2}
- Aroclor-1232 {3}
- Aroclor-1232 {4}
- Aroclor-1232 {5}
- Aroclor-1242
- Aroclor-1242 {2}
- Aroclor-1242 {3}
- Aroclor-1242 {4}
- Aroclor-1242 {5}
- Aroclor-1248
- Aroclor-1248 {2}
- Aroclor-1248 {3}
- Aroclor-1248 {4}
- Aroclor-1248 {5}
- Aroclor-1254
- Aroclor-1254 {2}
- Aroclor-1254 {3}
- Aroclor-1254 {4}
- Aroclor-1254 {5}
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1016 {4} | Concentration Units: ppm | Compound Type: L1

Signals to Be Used for Quantitation

Ret Time: 4.740 | RRT: 0.000

Extract signals from: - 0.050 + 0.020 (Min / %)

This is 4.690 to 4.760 minutes

Quant signal: TIC | % Uncertainty

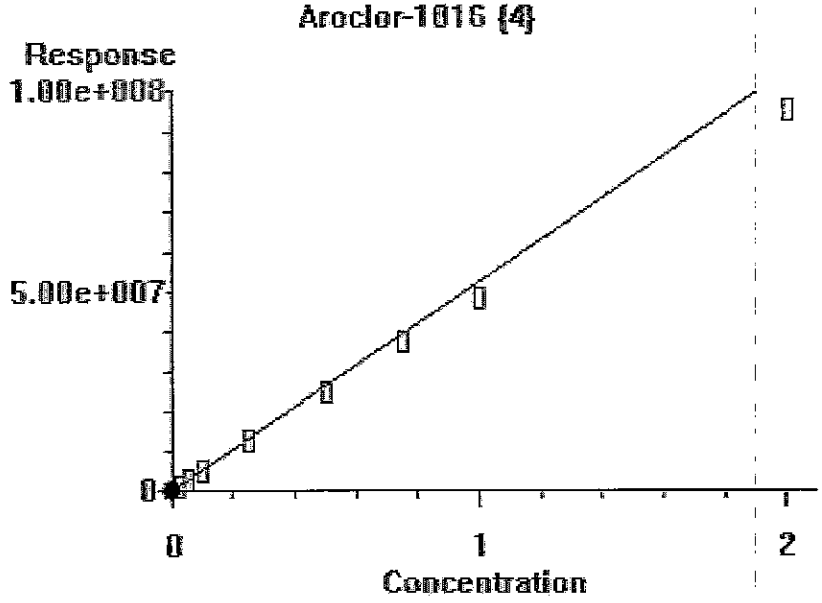
m/z | Relative Response: Rel

	m/z	Relative Response	% Uncertainty
Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc

Level	Concentration	Response
1	0.020000	1313250.574213
2	0.050000	2713796.478547
3	0.100000	5244270.759898
4	0.250000	12899418.75455
5	0.500000	24768580.452446
6	0.750000	37555950.202586
7	1.000000	48568002.66728
8	2.000000	95324644.234875



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

Compound Database

External Standard Comp

- TCX
- Aroclor-1016
- Aroclor-1016 (2)
- Aroclor-1016 (3)
- Aroclor-1016 (4)
- Aroclor-1016 (5)
- Aroclor-1221
- Aroclor-1221 (2)
- Aroclor-1221 (3)
- Aroclor-1221 (4)
- Aroclor-1221 (5)
- Aroclor-1232
- Aroclor-1232 (2)
- Aroclor-1232 (3)
- Aroclor-1232 (4)
- Aroclor-1232 (5)
- Aroclor-1242
- Aroclor-1242 (2)
- Aroclor-1242 (3)
- Aroclor-1242 (4)
- Aroclor-1242 (5)
- Aroclor-1248
- Aroclor-1248 (2)
- Aroclor-1248 (3)
- Aroclor-1248 (4)
- Aroclor-1248 (5)
- Aroclor-1254
- Aroclor-1254 (2)
- Aroclor-1254 (3)
- Aroclor-1254 (4)
- Aroclor-1254 (5)
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1016 (5) Concentration Units: ppm Compound Type: L1

Signals to Be Used for Quantitation

Ret Time: 5.080 RRT: 0.000

Extract signals from

- 0.030 + 0.040 Min %

This is 5.050 to 5.120 minutes

Quant signal: TIC % Uncertainty

m/z Relative Response: Rel

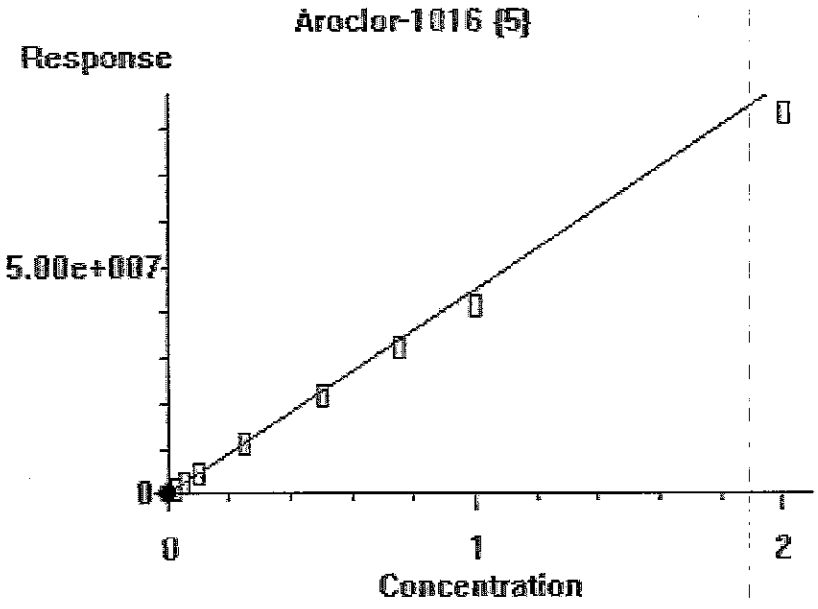
Target

	TIC		
	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	0.020000	1018064.695632
2	0.050000	2363231.580813
3	0.100000	4609521.370194
4	0.250000	11335300.31682
5	0.500000	21868242.364025
6	0.750000	32303853.191183
7	1.000000	41754082.30670
8	2.000000	83410824.065568

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

Compound Database | Identification | Calibration | User-Defined | Advanced | Reporting

External Standard Comp

- TCX
- Aroclor-1016
- Aroclor-1016 (2)
- Aroclor-1016 (3)
- Aroclor-1016 (4)
- Aroclor-1016 (5)
- Aroclor-1221
- Aroclor-1221 (2)
- Aroclor-1221 (3)
- Aroclor-1221 (4)
- Aroclor-1221 (5)
- Aroclor-1232
- Aroclor-1232 (2)
- Aroclor-1232 (3)
- Aroclor-1232 (4)
- Aroclor-1232 (5)
- Aroclor-1242
- Aroclor-1242 (2)
- Aroclor-1242 (3)
- Aroclor-1242 (4)
- Aroclor-1242 (5)
- Aroclor-1248
- Aroclor-1248 (2)
- Aroclor-1248 (3)
- Aroclor-1248 (4)
- Aroclor-1248 (5)
- Aroclor-1254
- Aroclor-1254 (2)
- Aroclor-1254 (3)
- Aroclor-1254 (4)
- Aroclor-1254 (5)
- Aroclor-1260

Name: Aroclor-1221 | Concentration Units: ppm | Compound Type: L2

Signals to Be Used for Quantitation

Ret Time: 2.985 | RRT: 0.000

Extract signals from: - 0.020 + 0.020 (Min / %)

This is 2.965 to 3.005 minutes

Quant signal: TIC | % Uncertainty

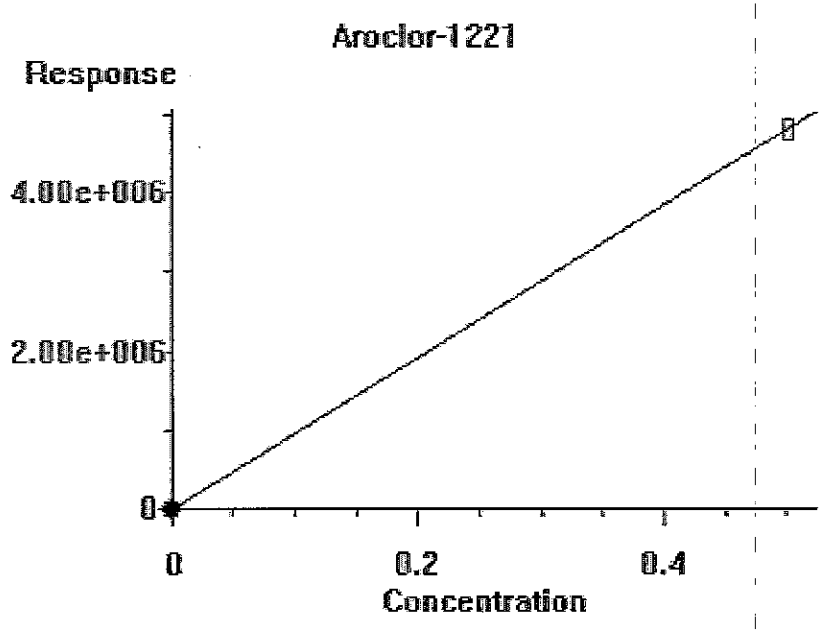
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	4793762.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- TCX
- Aroclor-1016
- Aroclor-1016 {2}
- Aroclor-1016 {3}
- Aroclor-1016 {4}
- Aroclor-1016 {5}
- Aroclor-1221
- Aroclor-1221 {2}
- Aroclor-1221 {3}
- Aroclor-1221 {4}
- Aroclor-1221 {5}
- Aroclor-1232
- Aroclor-1232 {2}
- Aroclor-1232 {3}
- Aroclor-1232 {4}
- Aroclor-1232 {5}
- Aroclor-1242
- Aroclor-1242 {2}
- Aroclor-1242 {3}
- Aroclor-1242 {4}
- Aroclor-1242 {5}
- Aroclor-1248
- Aroclor-1248 {2}
- Aroclor-1248 {3}
- Aroclor-1248 {4}
- Aroclor-1248 {5}
- Aroclor-1254
- Aroclor-1254 {2}
- Aroclor-1254 {3}
- Aroclor-1254 {4}
- Aroclor-1254 {5}
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1221 {2}
Concentration Units: ppm
Compound Type: L2

Signals to Be Used for Quantitation

Ret Time: 3.702 RRT: 0.000
Extract signals from
- 0.020 + 0.020 Min %
This is 3.682 to 3.722 minutes

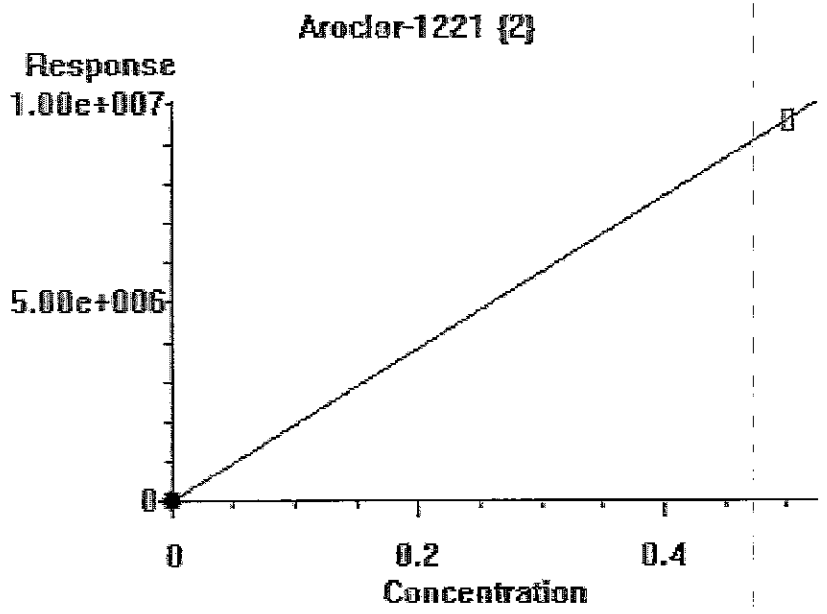
Quant signal: TIC % Uncertainty
m/z Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	9573644.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds - Compound - Aroclor-1221 {3}

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- TCX
- Aroclor-1016
- Aroclor-1016 {2}
- Aroclor-1016 {3}
- Aroclor-1016 {4}
- Aroclor-1016 {5}
- Aroclor-1221
- Aroclor-1221 {2}
- Aroclor-1221 {3}
- Aroclor-1221 {4}
- Aroclor-1221 {5}
- Aroclor-1232
- Aroclor-1232 {2}
- Aroclor-1232 {3}
- Aroclor-1232 {4}
- Aroclor-1232 {5}
- Aroclor-1242
- Aroclor-1242 {2}
- Aroclor-1242 {3}
- Aroclor-1242 {4}
- Aroclor-1242 {5}
- Aroclor-1248
- Aroclor-1248 {2}
- Aroclor-1248 {3}
- Aroclor-1248 {4}
- Aroclor-1248 {5}
- Aroclor-1254
- Aroclor-1254 {2}
- Aroclor-1254 {3}
- Aroclor-1254 {4}
- Aroclor-1254 {5}
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1221 {3} | Concentration Units: ppm | Compound Type: L2

Signals to Be Used for Quantitation

Ret Time: 3.885 | RRT: 0.000

Extract signals from

- 0.050 + 0.050 | Min | %

This is 3.835 to 3.935 minutes

Quant signal: TIC | % Uncertainty

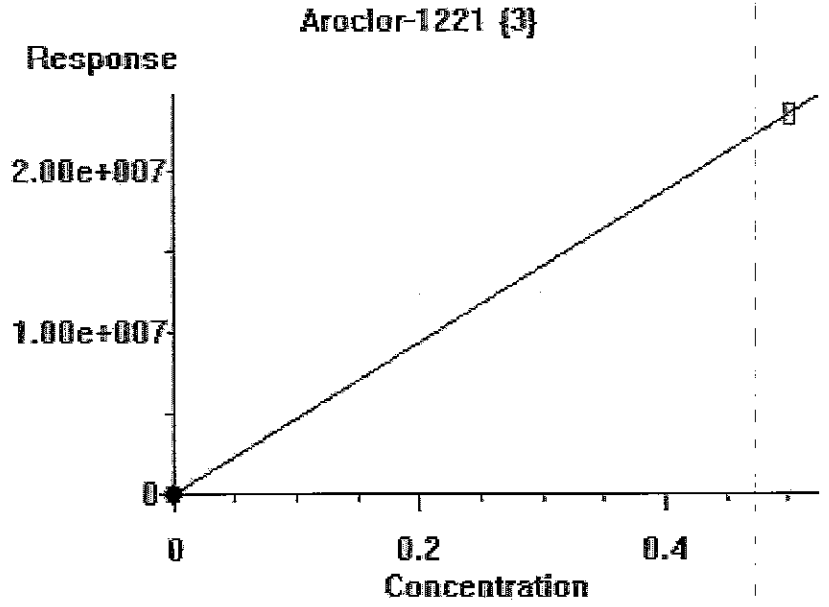
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	23449199.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

570

Search by: Ret Time | Name | Index | Find Compound

Compound Database

External Standard Comp

- TCX
- Aroclor-1016
- Aroclor-1016 {2}
- Aroclor-1016 {3}
- Aroclor-1016 {4}
- Aroclor-1016 {5}
- Aroclor-1221
- Aroclor-1221 {2}
- Aroclor-1221 {3}
- Aroclor-1221 {4}
- Aroclor-1221 {5}
- Aroclor-1232
- Aroclor-1232 {2}
- Aroclor-1232 {3}
- Aroclor-1232 {4}
- Aroclor-1232 {5}
- Aroclor-1242
- Aroclor-1242 {2}
- Aroclor-1242 {3}
- Aroclor-1242 {4}
- Aroclor-1242 {5}
- Aroclor-1248
- Aroclor-1248 {2}
- Aroclor-1248 {3}
- Aroclor-1248 {4}
- Aroclor-1248 {5}
- Aroclor-1254
- Aroclor-1254 {2}
- Aroclor-1254 {3}
- Aroclor-1254 {4}
- Aroclor-1254 {5}
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1221 {4}

Concentration Units: ppm

Compound Type: L2

Signals to Be Used for Quantitation

Ret Time: 4.330 RRT: 0.000

Extract signals from

- 0.050 + 0.050 Min %

This is 4.280 to 4.380 minutes

Quant signal: TIC % Uncertainty

m/z Relative Response: Rel

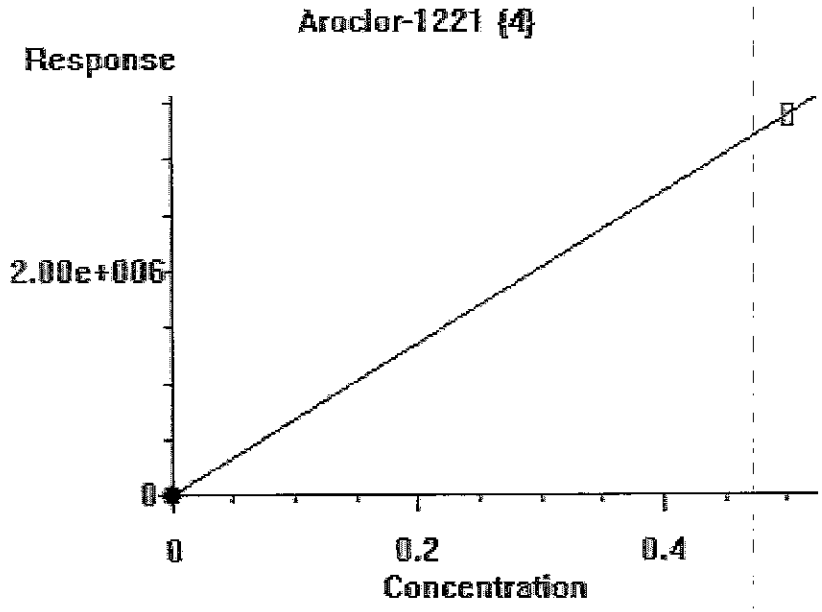
Target TIC: 100.00

Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	3384811.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #11 -- Aroclor-1221 (5)

Search by: Ret Time | Name | Index | Find Compound

Compound Database | External Standard Comp

- TCX
- Aroclor-1016
- Aroclor-1016 (2)
- Aroclor-1016 (3)
- Aroclor-1016 (4)
- Aroclor-1016 (5)
- Aroclor-1221
- Aroclor-1221 (2)
- Aroclor-1221 (3)
- Aroclor-1221 (4)
- Aroclor-1221 (5)
- Aroclor-1232
- Aroclor-1232 (2)
- Aroclor-1232 (3)
- Aroclor-1232 (4)
- Aroclor-1232 (5)
- Aroclor-1242
- Aroclor-1242 (2)
- Aroclor-1242 (3)
- Aroclor-1242 (4)
- Aroclor-1242 (5)
- Aroclor-1248
- Aroclor-1248 (2)
- Aroclor-1248 (3)
- Aroclor-1248 (4)
- Aroclor-1248 (5)
- Aroclor-1254
- Aroclor-1254 (2)
- Aroclor-1254 (3)
- Aroclor-1254 (4)
- Aroclor-1254 (5)
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1221 (5) | Concentration Units: ppm | Compound Type: L2

Signals to Be Used for Quantitation

Ret Time: 4.627 | RRT: 0.000

Extract signals from

- 0.050 + 0.050 (Min / %)

This is 4.577 to 4.677 minutes

Quant signal: TIC | % Uncertainty

m/z | Relative Response: Rel

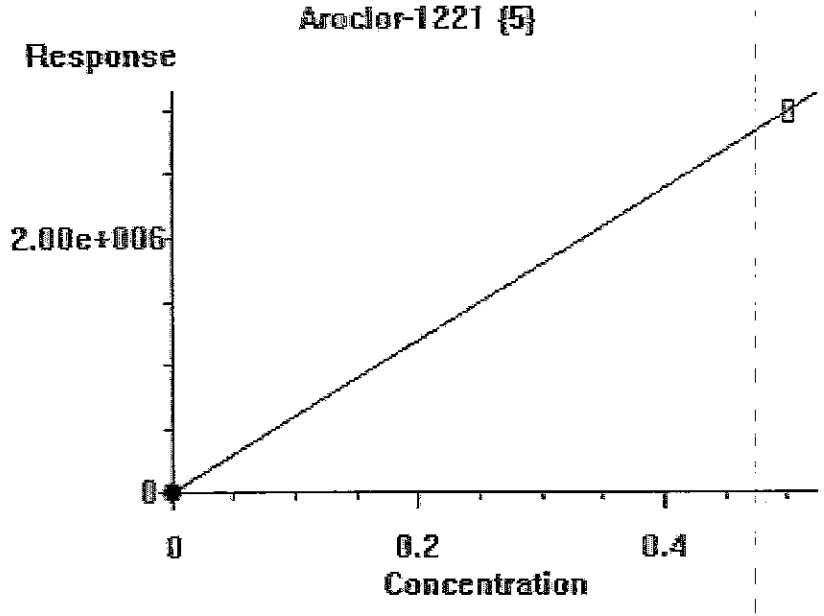
Target

	TIC		
	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	2980684.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pound: Compound 12 - Aroclor-1232

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- TCX
- Aroclor-1016
- Aroclor-1016 (2)
- Aroclor-1016 (3)
- Aroclor-1016 (4)
- Aroclor-1016 (5)
- Aroclor-1221
- Aroclor-1221 (2)
- Aroclor-1221 (3)
- Aroclor-1221 (4)
- Aroclor-1221 (5)
- Aroclor-1232
- Aroclor-1232 (2)
- Aroclor-1232 (3)
- Aroclor-1232 (4)
- Aroclor-1232 (5)
- Aroclor-1242
- Aroclor-1242 (2)
- Aroclor-1242 (3)
- Aroclor-1242 (4)
- Aroclor-1242 (5)
- Aroclor-1248
- Aroclor-1248 (2)
- Aroclor-1248 (3)
- Aroclor-1248 (4)
- Aroclor-1248 (5)
- Aroclor-1254
- Aroclor-1254 (2)
- Aroclor-1254 (3)
- Aroclor-1254 (4)
- Aroclor-1254 (5)
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1232 | Concentration Units: ppm | Compound Type: L3

Signals to Be Used for Quantitation

Ret Time: 3.885 | RRT: 0.000

Extract signals from

- 0.050 + 0.050 | Min | %

This is 3.835 to 3.935 minutes

Quant signal: TIC | % Uncertainty

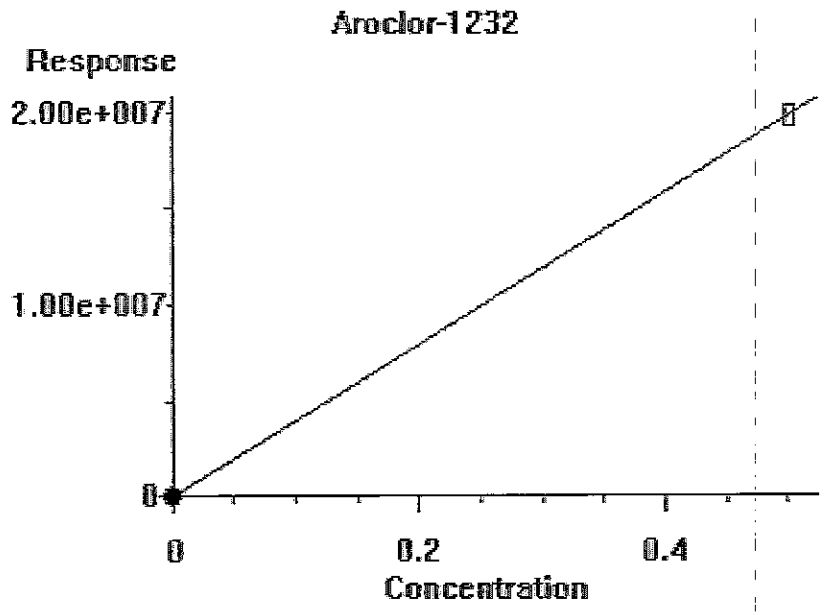
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	19758054.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- TCX
- Aroclor-1016
- Aroclor-1016 {2}
- Aroclor-1016 {3}
- Aroclor-1016 {4}
- Aroclor-1016 {5}
- Aroclor-1221
- Aroclor-1221 {2}
- Aroclor-1221 {3}
- Aroclor-1221 {4}
- Aroclor-1221 {5}
- Aroclor-1232
- Aroclor-1232 {2}
- Aroclor-1232 {3}
- Aroclor-1232 {4}
- Aroclor-1232 {5}
- Aroclor-1242
- Aroclor-1242 {2}
- Aroclor-1242 {3}
- Aroclor-1242 {4}
- Aroclor-1242 {5}
- Aroclor-1248
- Aroclor-1248 {2}
- Aroclor-1248 {3}
- Aroclor-1248 {4}
- Aroclor-1248 {5}
- Aroclor-1254
- Aroclor-1254 {2}
- Aroclor-1254 {3}
- Aroclor-1254 {4}
- Aroclor-1254 {5}
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1232 {2} | Concentration Units: ppm | Compound Type: L3

Signals to Be Used for Quantitation

Ret Time: 4.211 | RRT: 0.000

Extract signals from

- 0.050 + 0.050 (Min / %)

This is 4.161 to 4.261 minutes

Quant signal: TIC | % Uncertainty

m/z | Relative Response: Rel

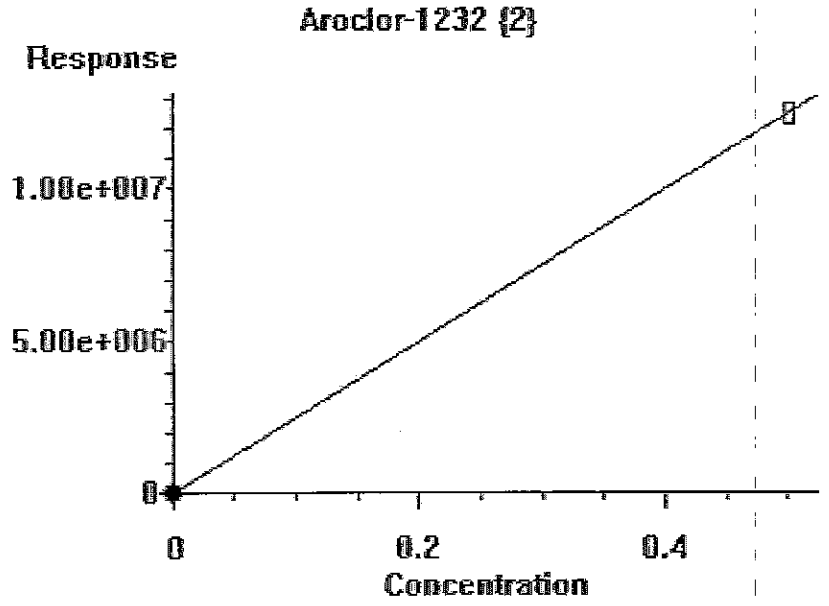
Target: TIC 100.00

Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	12481796.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- TCX
- Aroclor-1016
- Aroclor-1016 (2)
- Aroclor-1016 (3)
- Aroclor-1016 (4)
- Aroclor-1016 (5)
- Aroclor-1221
- Aroclor-1221 (2)
- Aroclor-1221 (3)
- Aroclor-1221 (4)
- Aroclor-1221 (5)
- Aroclor-1232
- Aroclor-1232 (2)
- Aroclor-1232 (3)
- Aroclor-1232 (4)
- Aroclor-1232 (5)
- Aroclor-1242
- Aroclor-1242 (2)
- Aroclor-1242 (3)
- Aroclor-1242 (4)
- Aroclor-1242 (5)
- Aroclor-1248
- Aroclor-1248 (2)
- Aroclor-1248 (3)
- Aroclor-1248 (4)
- Aroclor-1248 (5)
- Aroclor-1254
- Aroclor-1254 (2)
- Aroclor-1254 (3)
- Aroclor-1254 (4)
- Aroclor-1254 (5)
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1232 (3) | Concentration Units: ppm | Compound Type: L3

Signals to Be Used for Quantitation

Ret Time: 4.741 | RRT: 0.000

Extract signals from: - 0.050 + 0.050 (Min / %)

This is 4.691 to 4.791 minutes

Quant signal: TIC | % Uncertainty

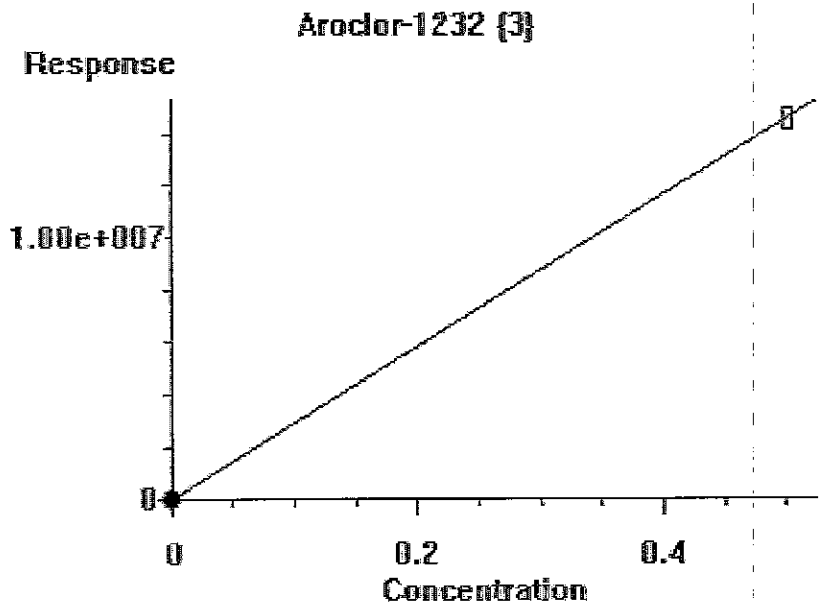
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	14521064.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound 1: 4: Aroclor-1232 (4)

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- TCX
- Aroclor-1016
- Aroclor-1016 {2}
- Aroclor-1016 {3}
- Aroclor-1016 {4}
- Aroclor-1016 {5}
- Aroclor-1221
- Aroclor-1221 {2}
- Aroclor-1221 {3}
- Aroclor-1221 {4}
- Aroclor-1221 {5}
- Aroclor-1232
- Aroclor-1232 {2}
- Aroclor-1232 {3}
- Aroclor-1232 {4}
- Aroclor-1232 {5}
- Aroclor-1242
- Aroclor-1242 {2}
- Aroclor-1242 {3}
- Aroclor-1242 {4}
- Aroclor-1242 {5}
- Aroclor-1248
- Aroclor-1248 {2}
- Aroclor-1248 {3}
- Aroclor-1248 {4}
- Aroclor-1248 {5}
- Aroclor-1254
- Aroclor-1254 {2}
- Aroclor-1254 {3}
- Aroclor-1254 {4}
- Aroclor-1254 {5}
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1232 {4} Concentration Units: ppm Compound Type: L3

Signals to Be Used for Quantitation

Ret Time: 5.080 RRT: 0.000

Extract signals from

- 0.050 + 0.050 Min %

This is 5.030 to 5.130 minutes

Quant signal: TIC % Uncertainty

m/z Relative Response: Rel

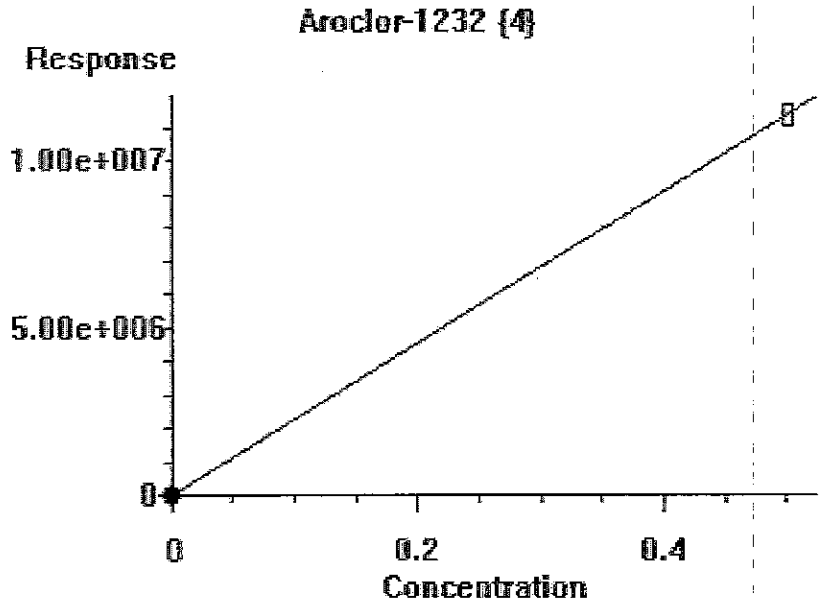
Target TIC: 100.00

Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	11345445.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pcmds - Compound=16 - Aroclor-1232 (5)

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- TCX
- Aroclor-1016
- Aroclor-1016 (2)
- Aroclor-1016 (3)
- Aroclor-1016 (4)
- Aroclor-1016 (5)
- Aroclor-1221
- Aroclor-1221 (2)
- Aroclor-1221 (3)
- Aroclor-1221 (4)
- Aroclor-1221 (5)
- Aroclor-1232
- Aroclor-1232 (2)
- Aroclor-1232 (3)
- Aroclor-1232 (4)
- Aroclor-1232 (5)
- Aroclor-1242
- Aroclor-1242 (2)
- Aroclor-1242 (3)
- Aroclor-1242 (4)
- Aroclor-1242 (5)
- Aroclor-1248
- Aroclor-1248 (2)
- Aroclor-1248 (3)
- Aroclor-1248 (4)
- Aroclor-1248 (5)
- Aroclor-1254
- Aroclor-1254 (2)
- Aroclor-1254 (3)
- Aroclor-1254 (4)
- Aroclor-1254 (5)
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1232 (5) | Concentration Units: ppm | Compound Type: L3

Signals to Be Used for Quantitation

Ret Time: 5.422 | RRT: 0.000

Extract signals from

- 0.050 + 0.050 | Min | %

This is 5.372 to 5.472 minutes

Quant signal: TIC | % Uncertainty

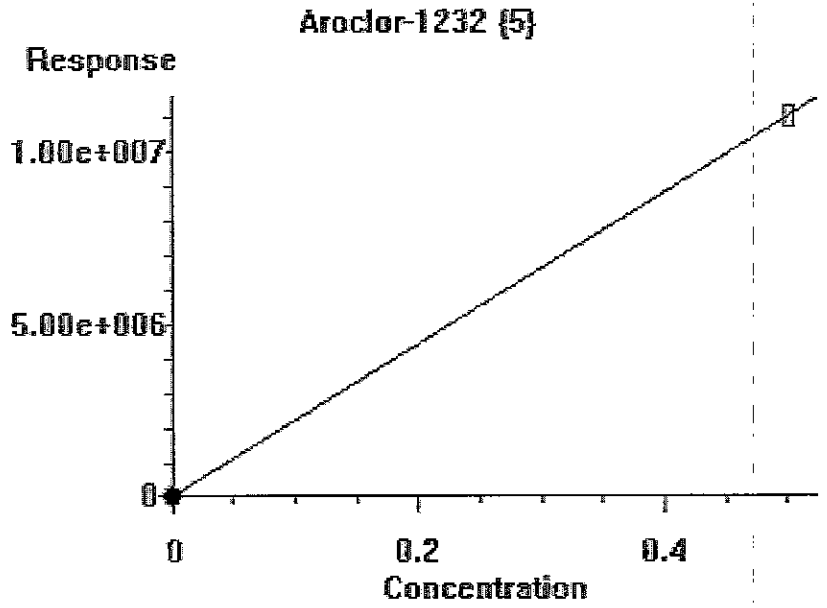
m/z | Relative Response: Rel

	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	11048319.00000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound 17 -- Aroclor-1242

Search by: Ret Time | Name | Index | Find Compound

Compound Database

External Standard Comp

- TCX
- Aroclor-1016
- Aroclor-1016 (2)
- Aroclor-1016 (3)
- Aroclor-1016 (4)
- Aroclor-1016 (5)
- Aroclor-1221
- Aroclor-1221 (2)
- Aroclor-1221 (3)
- Aroclor-1221 (4)
- Aroclor-1221 (5)
- Aroclor-1232
- Aroclor-1232 (2)
- Aroclor-1232 (3)
- Aroclor-1232 (4)
- Aroclor-1232 (5)
- Aroclor-1242
- Aroclor-1242 (2)
- Aroclor-1242 (3)
- Aroclor-1242 (4)
- Aroclor-1242 (5)
- Aroclor-1248
- Aroclor-1248 (2)
- Aroclor-1248 (3)
- Aroclor-1248 (4)
- Aroclor-1248 (5)
- Aroclor-1254
- Aroclor-1254 (2)
- Aroclor-1254 (3)
- Aroclor-1254 (4)
- Aroclor-1254 (5)
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1242 | Concentration Units: ppm | Compound Type: L4

Signals to Be Used for Quantitation

Ret Time: 4.626 | RRT: 0.000

Extract signals from

- 0.050 + 0.050 | Min | %

This is 4.576 to 4.676 minutes

Quant signal: TIC | % Uncertainty

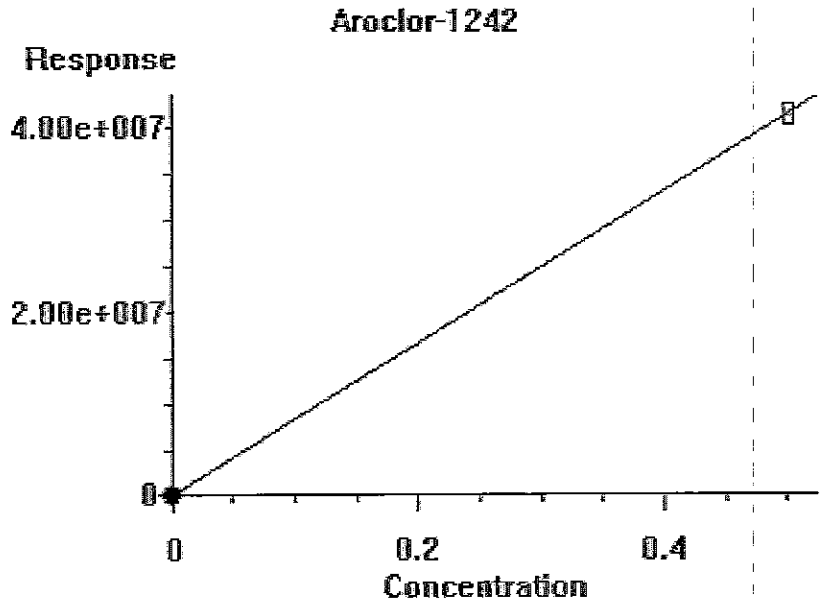
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	41385064.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

Compound Database

External Standard Comp

- TCX
- Aroclor-1016
- Aroclor-1016 {2}
- Aroclor-1016 {3}
- Aroclor-1016 {4}
- Aroclor-1016 {5}
- Aroclor-1221
- Aroclor-1221 {2}
- Aroclor-1221 {3}
- Aroclor-1221 {4}
- Aroclor-1221 {5}
- Aroclor-1232
- Aroclor-1232 {2}
- Aroclor-1232 {3}
- Aroclor-1232 {4}
- Aroclor-1232 {5}
- Aroclor-1242
- Aroclor-1242 {2}
- Aroclor-1242 {3}
- Aroclor-1242 {4}
- Aroclor-1242 {5}
- Aroclor-1248
- Aroclor-1248 {2}
- Aroclor-1248 {3}
- Aroclor-1248 {4}
- Aroclor-1248 {5}
- Aroclor-1254
- Aroclor-1254 {2}
- Aroclor-1254 {3}
- Aroclor-1254 {4}
- Aroclor-1254 {5}
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1242 {2}

Concentration Units: ppm

Compound Type: L4

Signals to Be Used for Quantitation

Ret Time: 4.740 RRT: 0.000

Extract signals from

- 0.050 + 0.050 Min %

This is 4.690 to 4.790 minutes

Quant signal: TIC % Uncertainty

m/z Relative Response: Rel

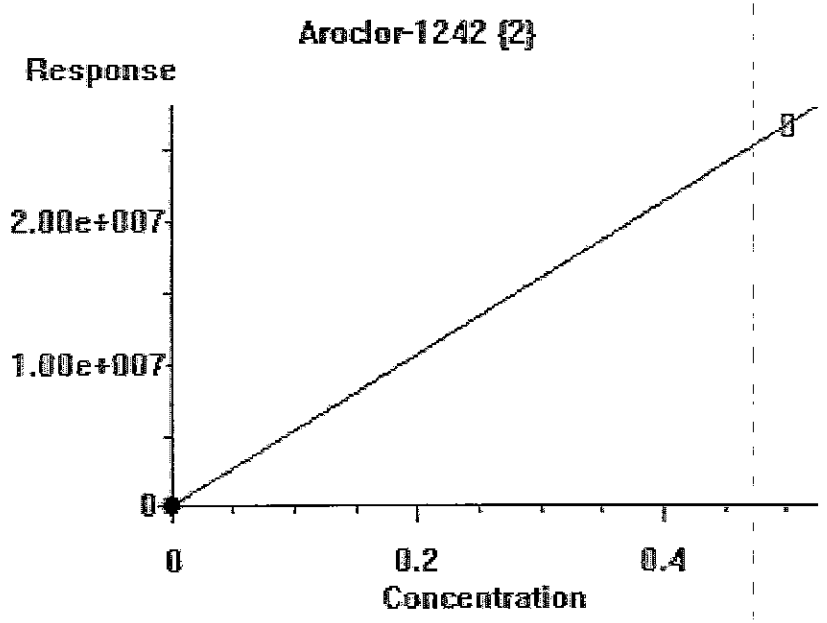
Target

	TIC		
	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	26708487.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Compounds - Compound #19 - Aroclor-1242 {3}

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- TCX
- Aroclor-1016
- Aroclor-1016 {2}
- Aroclor-1016 {3}
- Aroclor-1016 {4}
- Aroclor-1016 {5}
- Aroclor-1221
- Aroclor-1221 {2}
- Aroclor-1221 {3}
- Aroclor-1221 {4}
- Aroclor-1221 {5}
- Aroclor-1232
- Aroclor-1232 {2}
- Aroclor-1232 {3}
- Aroclor-1232 {4}
- Aroclor-1232 {5}
- Aroclor-1242
- Aroclor-1242 {2}
- Aroclor-1242 {3}
- Aroclor-1242 {4}
- Aroclor-1242 {5}
- Aroclor-1248
- Aroclor-1248 {2}
- Aroclor-1248 {3}
- Aroclor-1248 {4}
- Aroclor-1248 {5}
- Aroclor-1254
- Aroclor-1254 {2}
- Aroclor-1254 {3}
- Aroclor-1254 {4}
- Aroclor-1254 {5}
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1242 {3} | Concentration Units: ppm | Compound Type: L4

Signals to Be Used for Quantitation

Ret Time: 5.080 | RRT: 0.000

Extract signals from: - 0.050 + 0.050 (Min / %)

This is 5.030 to 5.130 minutes

Quant signal: TIC | % Uncertainty

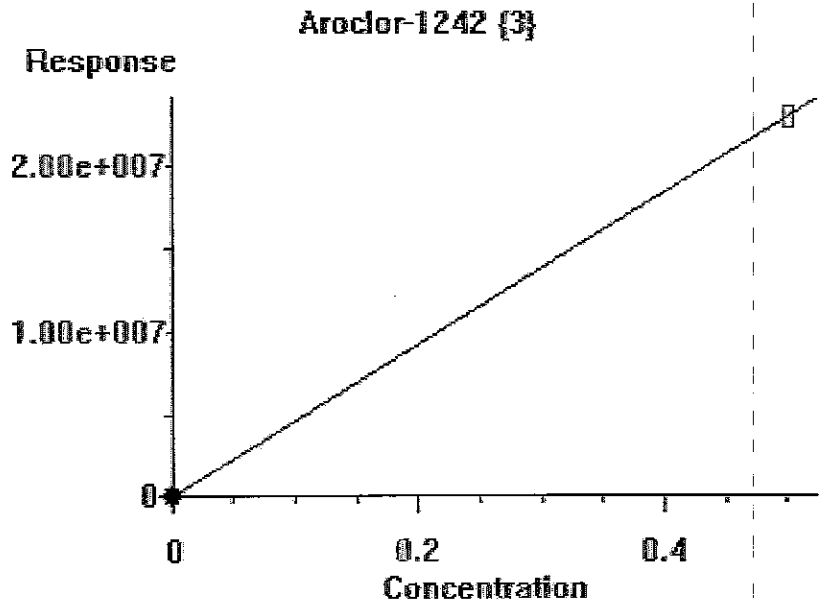
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	23010472.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound 29 - Aroclor-1242 (4)

Search by: Ret Time | Name | Index | Find Compound

Compound Database

External Standard Comp

- TCX
- Aroclor-1016
- Aroclor-1016 (2)
- Aroclor-1016 (3)
- Aroclor-1016 (4)
- Aroclor-1016 (5)
- Aroclor-1221
- Aroclor-1221 (2)
- Aroclor-1221 (3)
- Aroclor-1221 (4)
- Aroclor-1221 (5)
- Aroclor-1232
- Aroclor-1232 (2)
- Aroclor-1232 (3)
- Aroclor-1232 (4)
- Aroclor-1232 (5)
- Aroclor-1242
- Aroclor-1242 (2)
- Aroclor-1242 (3)
- Aroclor-1242 (4)
- Aroclor-1242 (5)
- Aroclor-1248
- Aroclor-1248 (2)
- Aroclor-1248 (3)
- Aroclor-1248 (4)
- Aroclor-1248 (5)
- Aroclor-1254
- Aroclor-1254 (2)
- Aroclor-1254 (3)
- Aroclor-1254 (4)
- Aroclor-1254 (5)
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1242 (4) Concentration Units: ppm Compound Type: L4

Signals to Be Used for Quantitation

Ret Time: 5.447 RRT: 0.000

Extract signals from

- 0.050 + 0.050 Min %

This is 5.397 to 5.497 minutes

Quant signal: TIC % Uncertainty

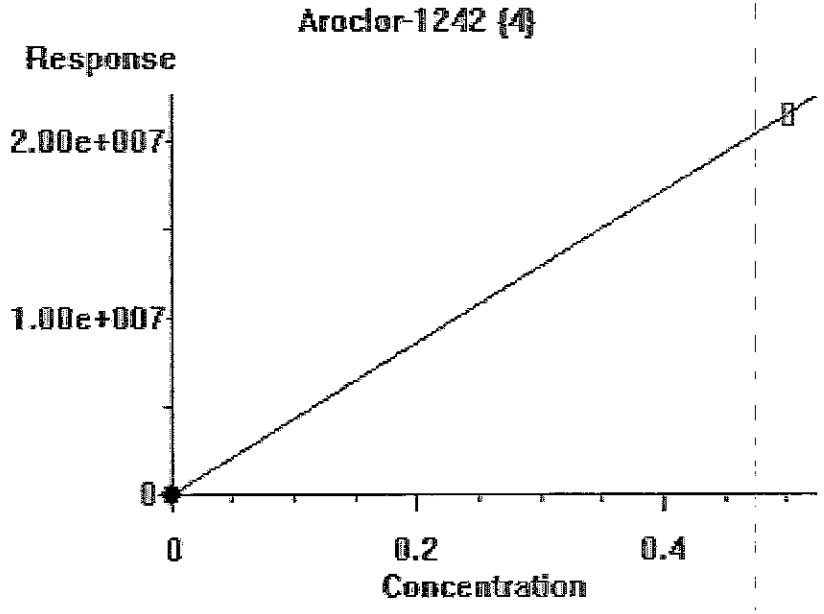
m/z Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting

Level	Concentration	Response
1		
2		
3	0.500000	21470171.000000
4		
5		
6		
7		
8		



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

581

pounds - Compound #21 - Aroclor-1242 {5}

Search by: Ret Time | Name | Index | Find Compound

Compound Database | External Standard Comp

- TCX
- Aroclor-1016
- Aroclor-1016 {2}
- Aroclor-1016 {3}
- Aroclor-1016 {4}
- Aroclor-1016 {5}
- Aroclor-1221
- Aroclor-1221 {2}
- Aroclor-1221 {3}
- Aroclor-1221 {4}
- Aroclor-1221 {5}
- Aroclor-1232
- Aroclor-1232 {2}
- Aroclor-1232 {3}
- Aroclor-1232 {4}
- Aroclor-1232 {5}
- Aroclor-1242
- Aroclor-1242 {2}
- Aroclor-1242 {3}
- Aroclor-1242 {4}
- Aroclor-1242 {5}
- Aroclor-1248
- Aroclor-1248 {2}
- Aroclor-1248 {3}
- Aroclor-1248 {4}
- Aroclor-1248 {5}
- Aroclor-1254
- Aroclor-1254 {2}
- Aroclor-1254 {3}
- Aroclor-1254 {4}
- Aroclor-1254 {5}
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1242 {5} | Concentration Units: ppm | Compound Type: L4

Signals to Be Used for Quantitation

Ret Time: 5.911 | RRT: 0.000

Extract signals from: - 0.050 + 0.050 (Min / %)

This is: 5.861 to 5.961 minutes

Quant signal: TIC | % Uncertainty

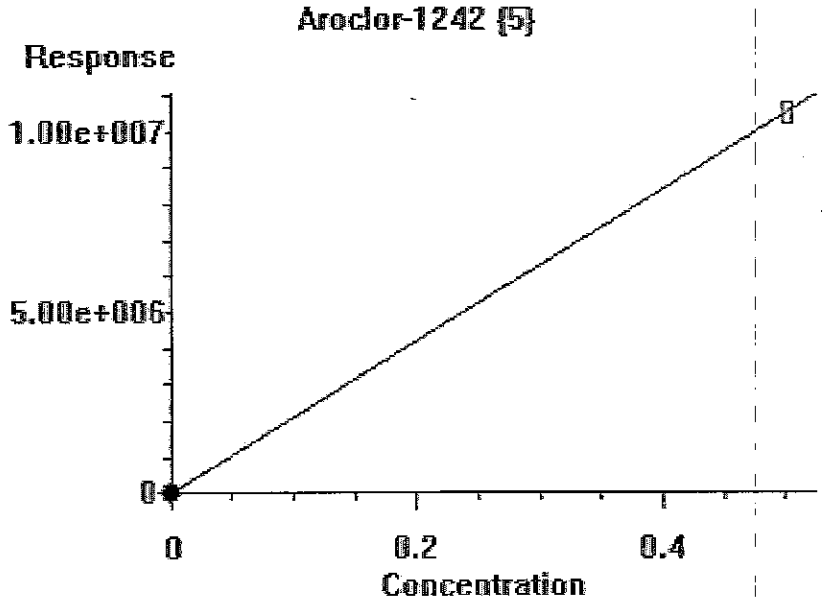
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	10508899.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index — Find Compound

Compound Database
External Standard Comp
- TCX
- Aroclor-1016
- Aroclor-1016 (2)
- Aroclor-1016 (3)
- Aroclor-1016 (4)
- Aroclor-1016 (5)
- Aroclor-1221
- Aroclor-1221 (2)
- Aroclor-1221 (3)
- Aroclor-1221 (4)
- Aroclor-1221 (5)
- Aroclor-1232
- Aroclor-1232 (2)
- Aroclor-1232 (3)
- Aroclor-1232 (4)
- Aroclor-1232 (5)
- Aroclor-1242
- Aroclor-1242 (2)
- Aroclor-1242 (3)
- Aroclor-1242 (4)
- Aroclor-1242 (5)
- Aroclor-1248
- Aroclor-1248 (2)
- Aroclor-1248 (3)
- Aroclor-1248 (4)
- Aroclor-1248 (5)
- Aroclor-1254
- Aroclor-1254 (2)
- Aroclor-1254 (3)
- Aroclor-1254 (4)
- Aroclor-1254 (5)
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1248 | Concentration Units: ppm | Compound Type: L5

Signals to Be Used for Quantitation

Ret Time: 4.626 | RRT: 0.000

Extract signals from: - 0.050 + 0.050 (Min / %)

This is 4.576 to 4.676 minutes

Quant signal: TIC | % Uncertainty

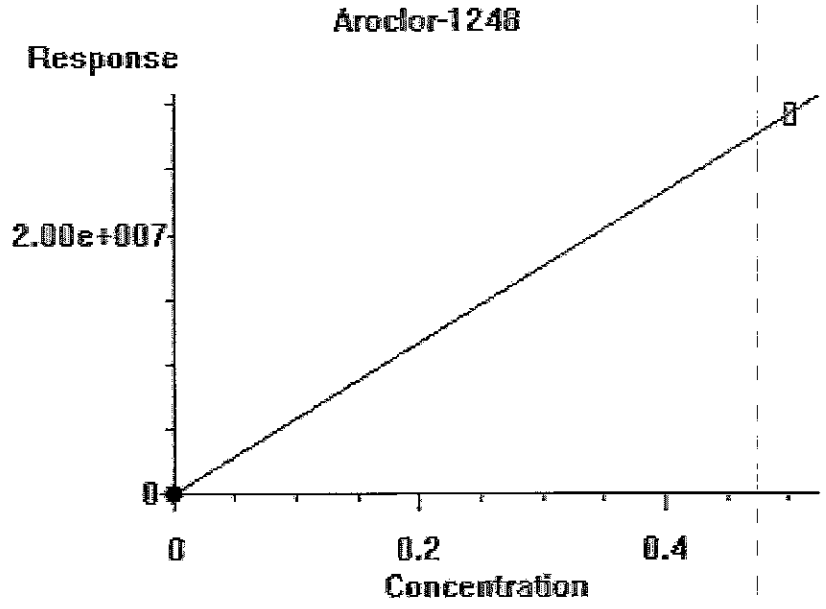
m/z | Relative Response: Rel

	m/z	Relative Response	% Uncertainty
Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	29174101.00000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- TCX
- Aroclor-1016
- Aroclor-1016 (2)
- Aroclor-1016 (3)
- Aroclor-1016 (4)
- Aroclor-1016 (5)
- Aroclor-1221
- Aroclor-1221 (2)
- Aroclor-1221 (3)
- Aroclor-1221 (4)
- Aroclor-1221 (5)
- Aroclor-1232
- Aroclor-1232 (2)
- Aroclor-1232 (3)
- Aroclor-1232 (4)
- Aroclor-1232 (5)
- Aroclor-1242
- Aroclor-1242 (2)
- Aroclor-1242 (3)
- Aroclor-1242 (4)
- Aroclor-1242 (5)
- Aroclor-1248
- Aroclor-1248 (2)
- Aroclor-1248 (3)
- Aroclor-1248 (4)
- Aroclor-1248 (5)
- Aroclor-1254
- Aroclor-1254 (2)
- Aroclor-1254 (3)
- Aroclor-1254 (4)
- Aroclor-1254 (5)
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1248 (2) | Concentration Units: ppm | Compound Type: L5

Signals to Be Used for Quantitation

Ret Time: 5.080 | RRT: 0.000

Extract signals from
- 0.050 + 0.050 (Min / %)

This is 5.030 to 5.130 minutes

Quant signal: TIC | % Uncertainty

m/z | Relative Response: Rel

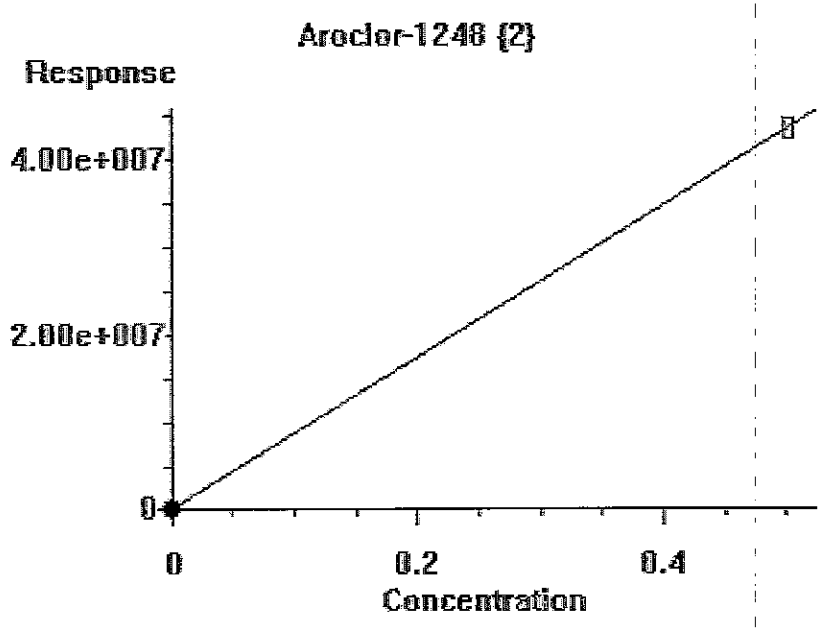
Target

	TIC		
Q1	100.00		
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00
	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	43475016.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- TCX
- Aroclor-1016
- Aroclor-1016 (2)
- Aroclor-1016 (3)
- Aroclor-1016 (4)
- Aroclor-1016 (5)
- Aroclor-1221
- Aroclor-1221 (2)
- Aroclor-1221 (3)
- Aroclor-1221 (4)
- Aroclor-1221 (5)
- Aroclor-1232
- Aroclor-1232 (2)
- Aroclor-1232 (3)
- Aroclor-1232 (4)
- Aroclor-1232 (5)
- Aroclor-1242
- Aroclor-1242 (2)
- Aroclor-1242 (3)
- Aroclor-1242 (4)
- Aroclor-1242 (5)
- Aroclor-1248
- Aroclor-1248 (2)
- Aroclor-1248 (3)
- Aroclor-1248 (4)
- Aroclor-1248 (5)
- Aroclor-1254
- Aroclor-1254 (2)
- Aroclor-1254 (3)
- Aroclor-1254 (4)
- Aroclor-1254 (5)
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1248 (3) | Concentration Units: ppm | Compound Type: L5

Signals to Be Used for Quantitation

Ret Time: 5.447 | RRT: 0.000

Extract signals from

- 0.050 + 0.050 (Min / %)

This is 5.397 to 5.497 minutes

Quant signal: TIC | % Uncertainty

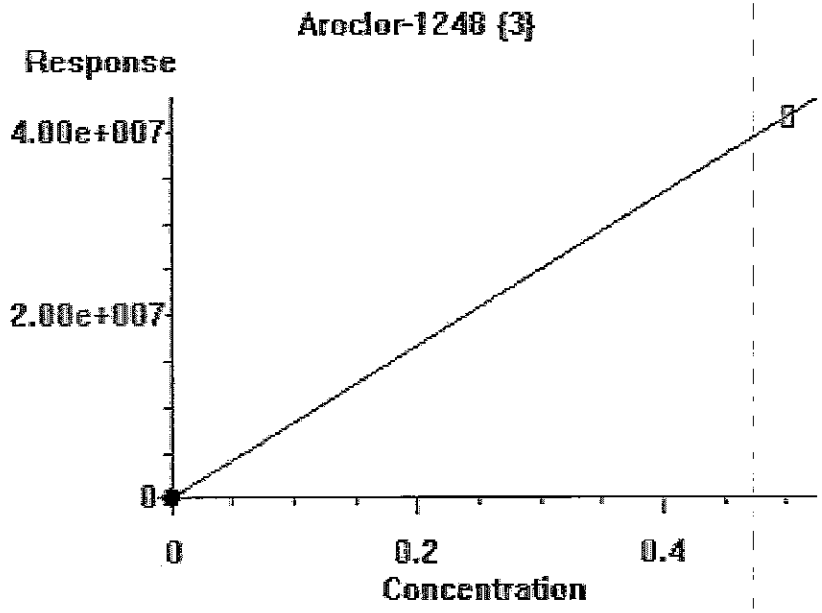
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	41581323.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- TCX
- Aroclor-1016
- Aroclor-1016 {2}
- Aroclor-1016 {3}
- Aroclor-1016 {4}
- Aroclor-1016 {5}
- Aroclor-1221
- Aroclor-1221 {2}
- Aroclor-1221 {3}
- Aroclor-1221 {4}
- Aroclor-1221 {5}
- Aroclor-1232
- Aroclor-1232 {2}
- Aroclor-1232 {3}
- Aroclor-1232 {4}
- Aroclor-1232 {5}
- Aroclor-1242
- Aroclor-1242 {2}
- Aroclor-1242 {3}
- Aroclor-1242 {4}
- Aroclor-1242 {5}
- Aroclor-1248
- Aroclor-1248 {2}
- Aroclor-1248 {3}
- Aroclor-1248 {4}
- Aroclor-1248 {5}
- Aroclor-1254
- Aroclor-1254 {2}
- Aroclor-1254 {3}
- Aroclor-1254 {4}
- Aroclor-1254 {5}
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1248 {4}
Concentration Units: ppm
Compound Type: L5

Signals to Be Used for Quantitation

Ret Time: 5.580 RRT: 0.000
Extract signals from
- 0.030 + 0.050 (Min / %)
This is 5.550 to 5.630 minutes

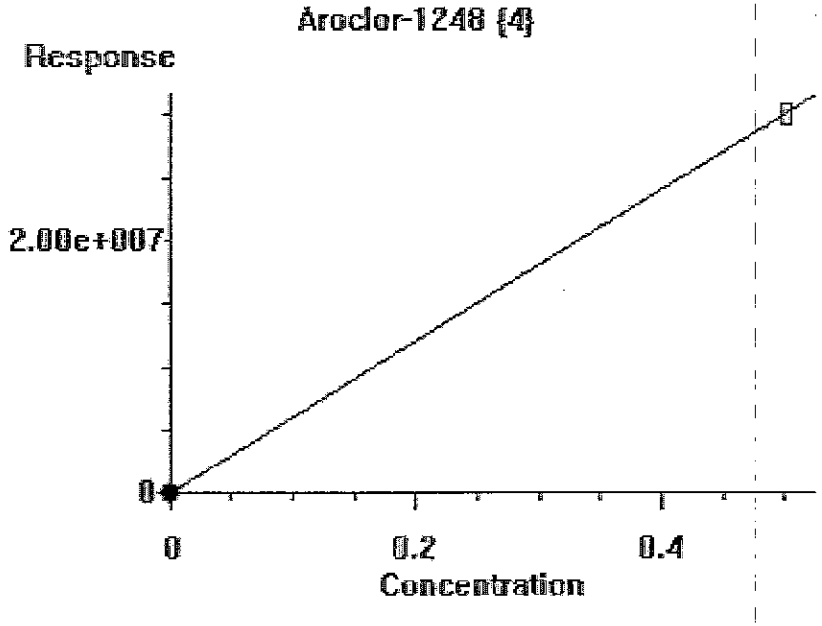
Quant signal: TIC % Uncertainty
m/z Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	30122981.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- TCX
- Aroclor-1016
- Aroclor-1016 (2)
- Aroclor-1016 (3)
- Aroclor-1016 (4)
- Aroclor-1016 (5)
- Aroclor-1221
- Aroclor-1221 (2)
- Aroclor-1221 (3)
- Aroclor-1221 (4)
- Aroclor-1221 (5)
- Aroclor-1232
- Aroclor-1232 (2)
- Aroclor-1232 (3)
- Aroclor-1232 (4)
- Aroclor-1232 (5)
- Aroclor-1242
- Aroclor-1242 (2)
- Aroclor-1242 (3)
- Aroclor-1242 (4)
- Aroclor-1242 (5)
- Aroclor-1248
- Aroclor-1248 (2)
- Aroclor-1248 (3)
- Aroclor-1248 (4)
- Aroclor-1248 (5)
- Aroclor-1254
- Aroclor-1254 (2)
- Aroclor-1254 (3)
- Aroclor-1254 (4)
- Aroclor-1254 (5)
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1248 (5) | Concentration Units: ppm | Compound Type: L5

Signals to Be Used for Quantitation

Ret Time: 5.910 | RRT: 0.000

Extract signals from

- 0.050 + 0.050 (Min / %)

This is 5.860 to 5.960 minutes

Quant signal: TIC | % Uncertainty

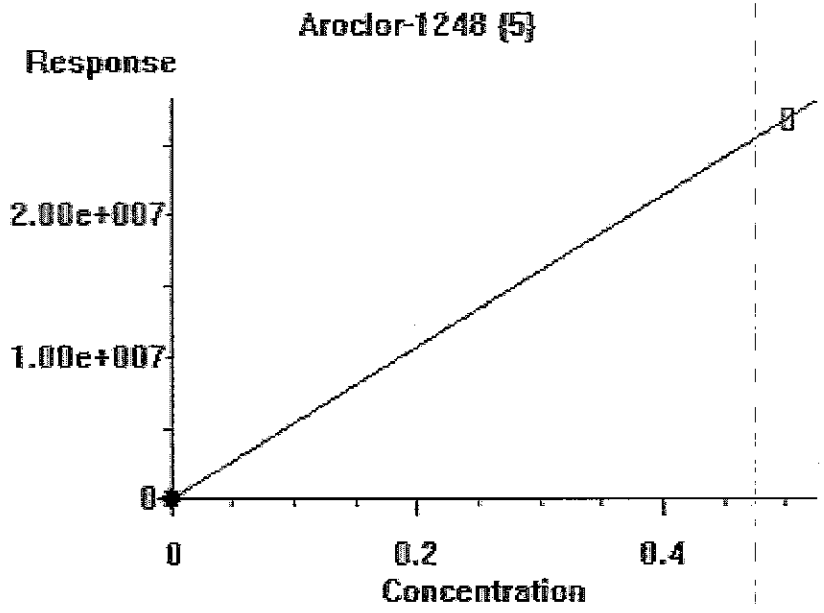
m/z | Relative Response: Rel

Target			
TIC	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	26788244.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound 5 -- Aroclor-1254

Search by: Ret Time | Name | Index | Find Compound

Compound Database | External Standard Comp

- TCX
- Aroclor-1016
- Aroclor-1016 (2)
- Aroclor-1016 (3)
- Aroclor-1016 (4)
- Aroclor-1016 (5)
- Aroclor-1221
- Aroclor-1221 (2)
- Aroclor-1221 (3)
- Aroclor-1221 (4)
- Aroclor-1221 (5)
- Aroclor-1232
- Aroclor-1232 (2)
- Aroclor-1232 (3)
- Aroclor-1232 (4)
- Aroclor-1232 (5)
- Aroclor-1242
- Aroclor-1242 (2)
- Aroclor-1242 (3)
- Aroclor-1242 (4)
- Aroclor-1242 (5)
- Aroclor-1248
- Aroclor-1248 (2)
- Aroclor-1248 (3)
- Aroclor-1248 (4)
- Aroclor-1248 (5)
- Aroclor-1254
- Aroclor-1254 (2)
- Aroclor-1254 (3)
- Aroclor-1254 (4)
- Aroclor-1254 (5)
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1254 | Concentration Units: ppm | Compound Type: L6

Signals to Be Used for Quantitation

Ret Time: 5.389 | RRT: 0.000

Extract signals from: - 0.050 + 0.080 (Min / %)

This is 5.339 to 5.469 minutes

Quant signal: TIC | % Uncertainty

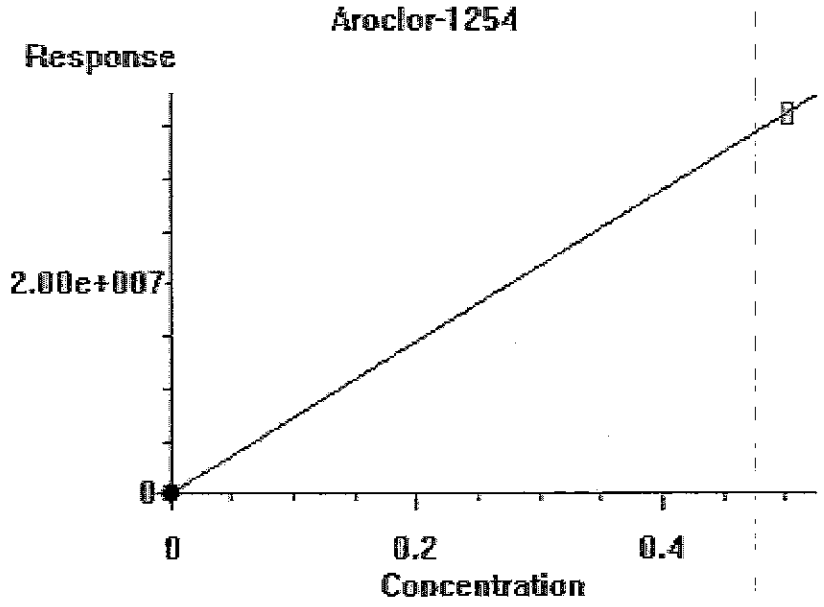
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	36186664.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds - Compound 28 - Aroclor-1254 {2}

Search by: Ret Time | Name | Index | Find Compound

Compound Database

External Standard Comp

- TCX
- Aroclor-1016
- Aroclor-1016 {2}
- Aroclor-1016 {3}
- Aroclor-1016 {4}
- Aroclor-1016 {5}
- Aroclor-1221
- Aroclor-1221 {2}
- Aroclor-1221 {3}
- Aroclor-1221 {4}
- Aroclor-1221 {5}
- Aroclor-1232
- Aroclor-1232 {2}
- Aroclor-1232 {3}
- Aroclor-1232 {4}
- Aroclor-1232 {5}
- Aroclor-1242
- Aroclor-1242 {2}
- Aroclor-1242 {3}
- Aroclor-1242 {4}
- Aroclor-1242 {5}
- Aroclor-1248
- Aroclor-1248 {2}
- Aroclor-1248 {3}
- Aroclor-1248 {4}
- Aroclor-1248 {5}
- Aroclor-1254
- Aroclor-1254 {2}
- Aroclor-1254 {3}
- Aroclor-1254 {4}
- Aroclor-1254 {5}
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1254 {2} Concentration Units: ppm Compound Type: L6

Signals to Be Used for Quantitation

Ret Time: 5.589 RRT: 0.000

Extract signals from

-: 0.050 +: 0.080 Min %

This is: 5.539 to 5.669 minutes

Quant signal: TIC % Uncertainty

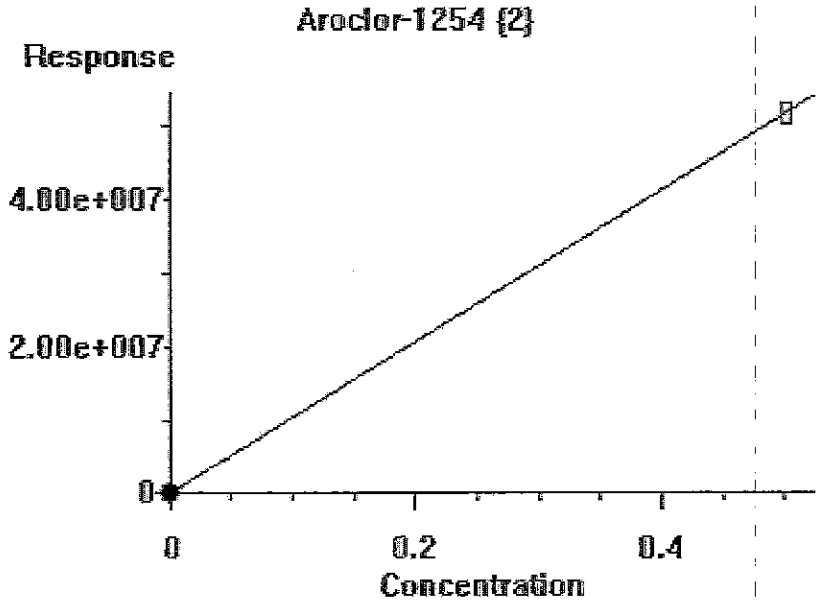
m/z Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	51642499.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

Compound Database

External Standard Comp

- TCX
- Aroclor-1016
- Aroclor-1016 {2}
- Aroclor-1016 {3}
- Aroclor-1016 {4}
- Aroclor-1016 {5}
- Aroclor-1221
- Aroclor-1221 {2}
- Aroclor-1221 {3}
- Aroclor-1221 {4}
- Aroclor-1221 {5}
- Aroclor-1232
- Aroclor-1232 {2}
- Aroclor-1232 {3}
- Aroclor-1232 {4}
- Aroclor-1232 {5}
- Aroclor-1242
- Aroclor-1242 {2}
- Aroclor-1242 {3}
- Aroclor-1242 {4}
- Aroclor-1242 {5}
- Aroclor-1248
- Aroclor-1248 {2}
- Aroclor-1248 {3}
- Aroclor-1248 {4}
- Aroclor-1248 {5}
- Aroclor-1254
- Aroclor-1254 {2}
- Aroclor-1254 {3}
- Aroclor-1254 {4}
- Aroclor-1254 {5}
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1254 {3} | Concentration Units: ppm | Compound Type: L6

Signals to Be Used for Quantitation

Ret Time: 5.910 | RRT: 0.000

Extract signals from

- 0.050 + 0.080 (Min / %)

This is 5.860 to 5.990 minutes

Quant signal: TIC | % Uncertainty

m/z | Relative Response: Rel

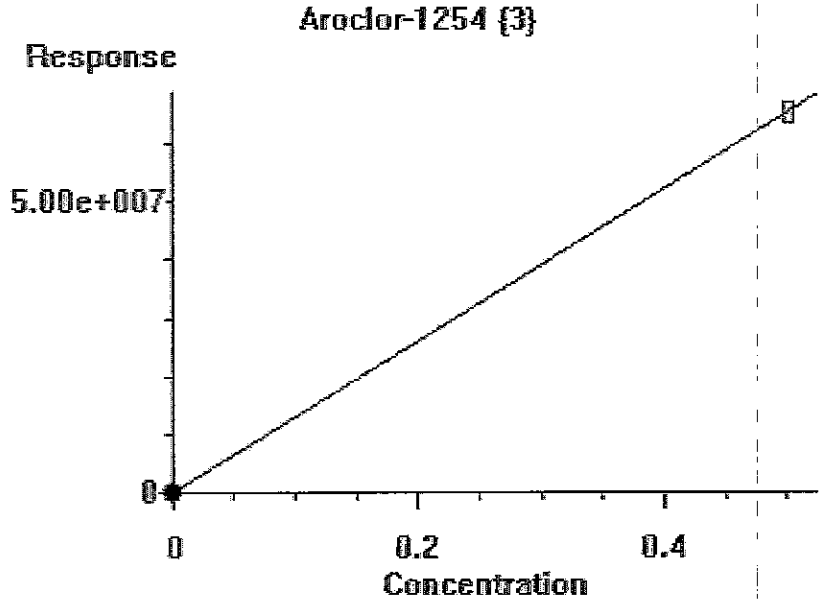
Target

	TIC		
	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	65127010.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Largest area/height
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds - Compound 30 - Aroclor-1254 {4}

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- TCX
- Aroclor-1016
- Aroclor-1016 {2}
- Aroclor-1016 {3}
- Aroclor-1016 {4}
- Aroclor-1016 {5}
- Aroclor-1221
- Aroclor-1221 {2}
- Aroclor-1221 {3}
- Aroclor-1221 {4}
- Aroclor-1221 {5}
- Aroclor-1232
- Aroclor-1232 {2}
- Aroclor-1232 {3}
- Aroclor-1232 {4}
- Aroclor-1232 {5}
- Aroclor-1242
- Aroclor-1242 {2}
- Aroclor-1242 {3}
- Aroclor-1242 {4}
- Aroclor-1242 {5}
- Aroclor-1248
- Aroclor-1248 {2}
- Aroclor-1248 {3}
- Aroclor-1248 {4}
- Aroclor-1248 {5}
- Aroclor-1254
- Aroclor-1254 {2}
- Aroclor-1254 {3}
- Aroclor-1254 {4}
- Aroclor-1254 {5}
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1254 {4} | Concentration Units: ppm | Compound Type: L6

Signals to Be Used for Quantitation

Ret Time: 6.125 | RRT: 0.000

Extract signals from
- 0.050 + 0.100 (Min / %)

This is 6.075 to 6.225 minutes

Quant signal: TIC | % Uncertainty

m/z | Relative Response: Rel

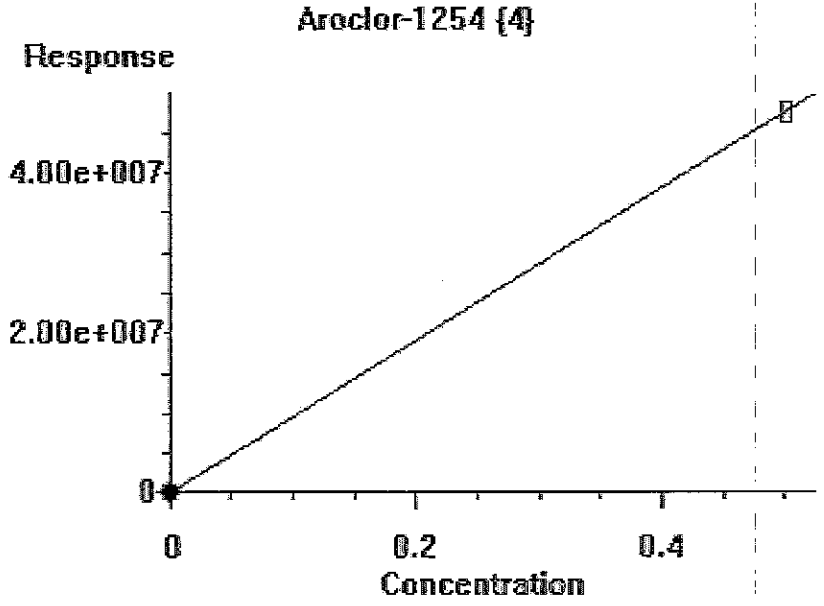
Target: TIC 100.00

Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	47584533.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

Compound Database

External Standard Comp

- TCX
- Aroclor-1016
- Aroclor-1016 (2)
- Aroclor-1016 (3)
- Aroclor-1016 (4)
- Aroclor-1016 (5)
- Aroclor-1221
- Aroclor-1221 (2)
- Aroclor-1221 (3)
- Aroclor-1221 (4)
- Aroclor-1221 (5)
- Aroclor-1232
- Aroclor-1232 (2)
- Aroclor-1232 (3)
- Aroclor-1232 (4)
- Aroclor-1232 (5)
- Aroclor-1242
- Aroclor-1242 (2)
- Aroclor-1242 (3)
- Aroclor-1242 (4)
- Aroclor-1242 (5)
- Aroclor-1248
- Aroclor-1248 (2)
- Aroclor-1248 (3)
- Aroclor-1248 (4)
- Aroclor-1248 (5)
- Aroclor-1254
- Aroclor-1254 (2)
- Aroclor-1254 (3)
- Aroclor-1254 (4)
- Aroclor-1254 (5)
- Aroclor-1260

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1254 (5) | Concentration Units: ppm | Compound Type: L6

Signals to Be Used for Quantitation

Ret Time: 6.481 | RRT: 0.000

Extract signals from

- 0.050 + 0.100 | Min | %

This is 6.431 to 6.581 minutes

Quant signal: TIC | % Uncertainty

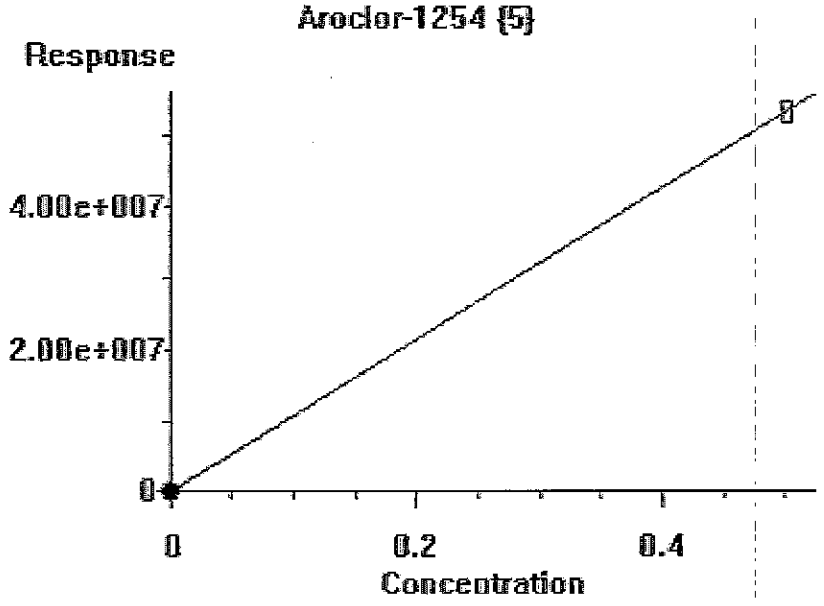
m/z | Relative Response: Rel

Target			
	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	53307465.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound 1 = 2 - Aroclor-1260

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 {5}
- Aroclor-1260
- Aroclor-1260 {2}
- Aroclor-1260 {3}
- Aroclor-1260 {4}
- Aroclor-1260 {5}
- Aroclor-1262
- Aroclor-1262 {2}
- Aroclor-1262 {3}
- Aroclor-1262 {4}
- Aroclor-1262 {5}
- Aroclor-1268
- Aroclor-1268 {2}
- Aroclor-1268 {3}
- Aroclor-1268 {4}
- Aroclor-1268 {5}
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 {2} #2
- Aroclor-1016 {3} #2
- Aroclor-1016 {4} #2
- Aroclor-1016 {5} #2
- Aroclor-1221 #2
- Aroclor-1221 {2} #2
- Aroclor-1221 {3} #2
- Aroclor-1221 {4} #2
- Aroclor-1221 {5} #2
- Aroclor-1232 #2
- Aroclor-1232 {2} #2
- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1260 | Concentration Units: ppm | Compound Type: L7

Signals to Be Used for Quantitation

Ret Time: 6.049 | RRT: 0.000

Extract signals from

- 0.060 + 0.100 (Min / %)

This is 5.989 to 6.149 minutes

Quant signal: TIC | % Uncertainty

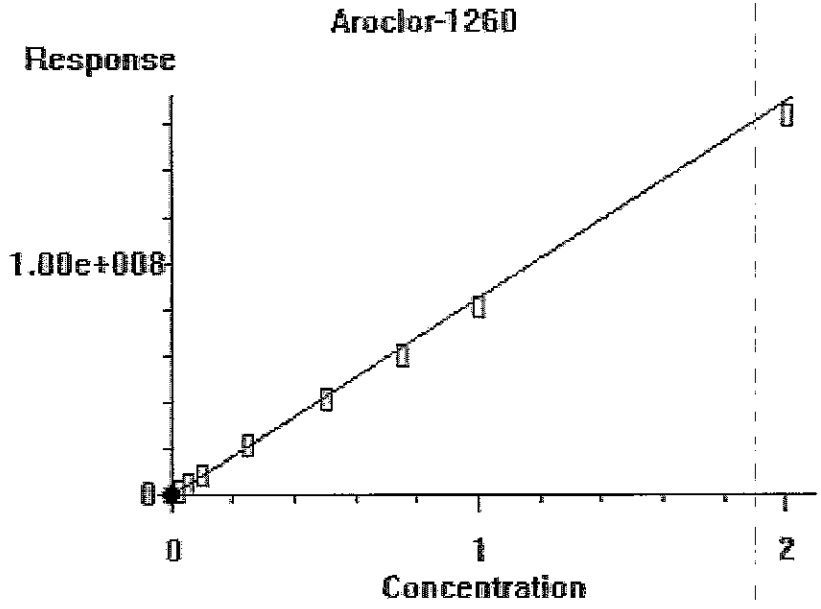
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Largest area/height
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc

Level	Concentration	Response
1	0.020000	1707452.942374
2	0.050000	4584611.910338
3	0.100000	8843158.201765
4	0.250000	21434648.68704
5	0.500000	42137333.64172
6	0.750000	60686210.29992
7	1.000000	81100842.95013
8	2.000000	163468637.7110



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 {5}
- Aroclor-1260
- Aroclor-1260 {2}
- Aroclor-1260 {3}
- Aroclor-1260 {4}
- Aroclor-1260 {5}
- Aroclor-1262
- Aroclor-1262 {2}
- Aroclor-1262 {3}
- Aroclor-1262 {4}
- Aroclor-1262 {5}
- Aroclor-1268
- Aroclor-1268 {2}
- Aroclor-1268 {3}
- Aroclor-1268 {4}
- Aroclor-1268 {5}
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 {2} #2
- Aroclor-1016 {3} #2
- Aroclor-1016 {4} #2
- Aroclor-1016 {5} #2
- Aroclor-1221 #2
- Aroclor-1221 {2} #2
- Aroclor-1221 {3} #2
- Aroclor-1221 {4} #2
- Aroclor-1221 {5} #2
- Aroclor-1232 #2
- Aroclor-1232 {2} #2
- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1260 {2} Concentration Units: ppm Compound Type: L7

Signals to Be Used for Quantitation

Ret Time: 6.253 RRT: 0.000

Extract signals from

- 0.050 + 0.060 Min %

This is 6.203 to 6.313 minutes

Quant signal: TIC % Uncertainty

m/z Relative Response: Rel

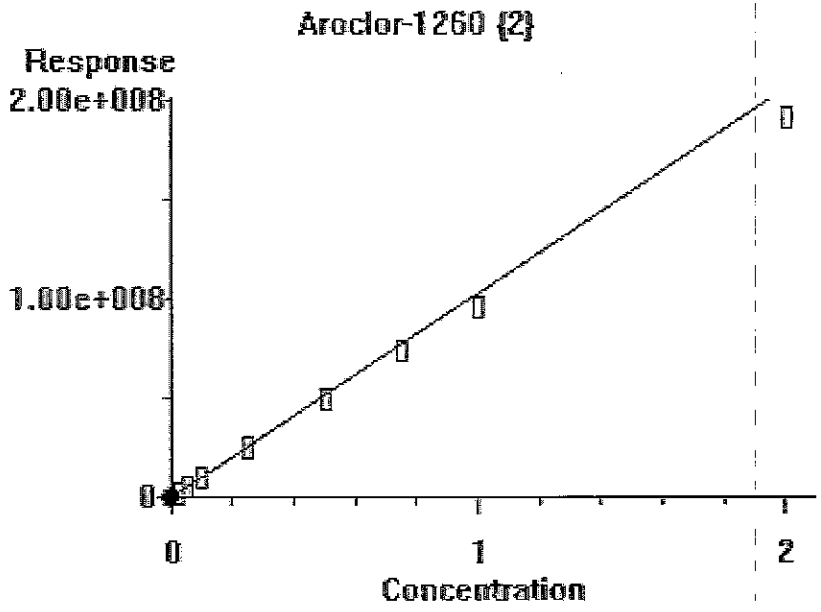
Target

	TIC		
	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	0.020000	2481816.698473
2	0.050000	5471541.967584
3	0.100000	10384839.31787
4	0.250000	25820348.24749
5	0.500000	49519057.48893
6	0.750000	74040812.056198
7	1.000000	96431137.729666
8	2.000000	191605552.8742

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Best RT Match
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 (5)
- Aroclor-1260
- Aroclor-1260 (2)
- Aroclor-1260 (3)
- Aroclor-1260 (4)
- Aroclor-1260 (5)
- Aroclor-1262
- Aroclor-1262 (2)
- Aroclor-1262 (3)
- Aroclor-1262 (4)
- Aroclor-1262 (5)
- Aroclor-1268
- Aroclor-1268 (2)
- Aroclor-1268 (3)
- Aroclor-1268 (4)
- Aroclor-1268 (5)
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 (2) #2
- Aroclor-1016 (3) #2
- Aroclor-1016 (4) #2
- Aroclor-1016 (5) #2
- Aroclor-1221 #2
- Aroclor-1221 (2) #2
- Aroclor-1221 (3) #2
- Aroclor-1221 (4) #2
- Aroclor-1221 (5) #2
- Aroclor-1232 #2
- Aroclor-1232 (2) #2
- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1260 (3) | Concentration Units: ppm | Compound Type: L7

Signals to Be Used for Quantitation

Ret Time: 6.476 | RRT: 0.000

Extract signals from

- 0.070 + 0.100 (Min / %)

This is 6.406 to 6.576 minutes

Quant signal: TIC | % Uncertainty

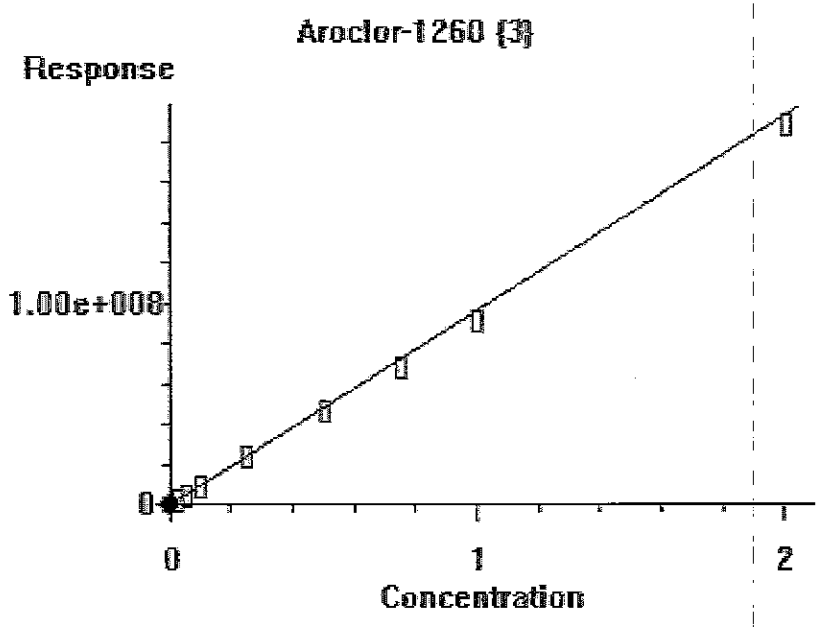
m/z | Relative Response: Rel

Target			
TIC	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc

Level	Concentration	Response
1	0.020000	2184321.533276
2	0.050000	4989209.709765
3	0.100000	9575843.992962
4	0.250000	24091612.89861
5	0.500000	46620006.498315
6	0.750000	68765169.408297
7	1.000000	90960525.539059
8	2.000000	187813033.63929



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 {5}
- Aroclor-1260
- Aroclor-1260 {2}
- Aroclor-1260 {3}
- Aroclor-1260 {4}
- Aroclor-1260 {5}
- Aroclor-1262
- Aroclor-1262 {2}
- Aroclor-1262 {3}
- Aroclor-1262 {4}
- Aroclor-1262 {5}
- Aroclor-1268
- Aroclor-1268 {2}
- Aroclor-1268 {3}
- Aroclor-1268 {4}
- Aroclor-1268 {5}
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 {2} #2
- Aroclor-1016 {3} #2
- Aroclor-1016 {4} #2
- Aroclor-1016 {5} #2
- Aroclor-1221 #2
- Aroclor-1221 {2} #2
- Aroclor-1221 {3} #2
- Aroclor-1221 {4} #2
- Aroclor-1221 {5} #2
- Aroclor-1232 #2
- Aroclor-1232 {2} #2
- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1260 {4} Concentration Units: ppm Compound Type: L7

Signals to Be Used for Quantitation

Ret Time: 6.980 RRT: 0.000

Extract signals from

- 0.050 + 0.100 Min %

This is 6.930 to 7.080 minutes

Quant signal: TIC % Uncertainty

m/z Relative Response: Rel

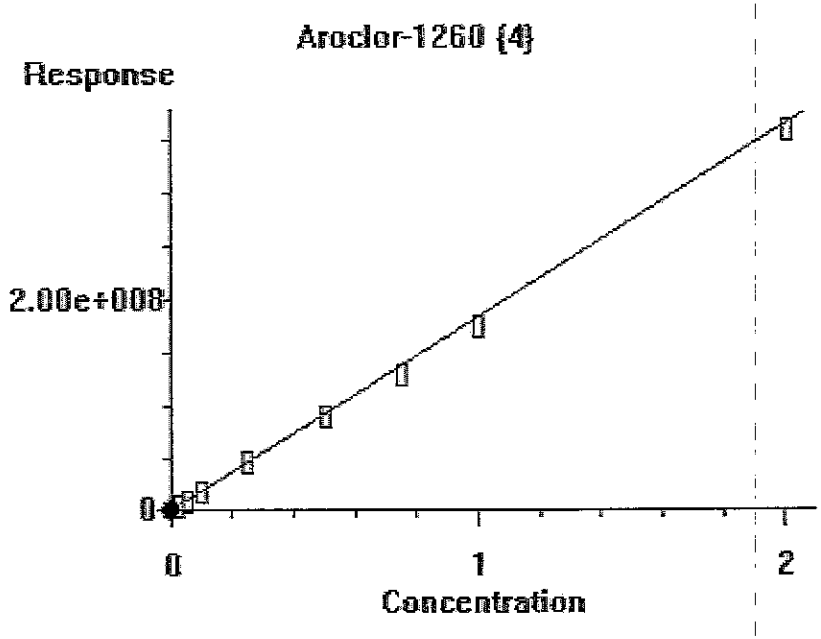
Target

	TIC		
	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	0.020000	4184343.980845
2	0.050000	9267474.486367
3	0.100000	17976046.78632
4	0.250000	46162878.39009
5	0.500000	89689724.065773
6	0.750000	128763991.93329
7	1.000000	173351146.99785
8	2.000000	359230986.78049

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound = 36 -- Aroclor-1260 {5}

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 {5}
- Aroclor-1260
- Aroclor-1260 {2}
- Aroclor-1260 {3}
- Aroclor-1260 {4}
- Aroclor-1260 {5}
- Aroclor-1262
- Aroclor-1262 {2}
- Aroclor-1262 {3}
- Aroclor-1262 {4}
- Aroclor-1262 {5}
- Aroclor-1268
- Aroclor-1268 {2}
- Aroclor-1268 {3}
- Aroclor-1268 {4}
- Aroclor-1268 {5}
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 {2} #2
- Aroclor-1016 {3} #2
- Aroclor-1016 {4} #2
- Aroclor-1016 {5} #2
- Aroclor-1221 #2
- Aroclor-1221 {2} #2
- Aroclor-1221 {3} #2
- Aroclor-1221 {4} #2
- Aroclor-1221 {5} #2
- Aroclor-1232 #2
- Aroclor-1232 {2} #2
- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1260 {5} Concentration Units: ppm Compound Type: L7

Signals to Be Used for Quantitation

Ret Time: 7.215 RRT: 0.000

Extract signals from

- 0.070 + 0.100 (•) Min ( ) %

This is 7.145 to 7.315 minutes

Quant signal: TIC % Uncertainty

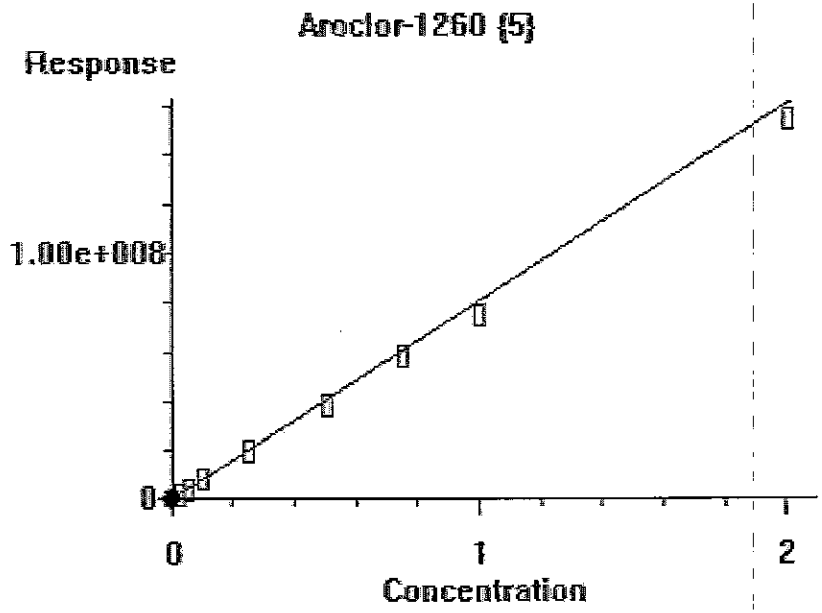
m/z Relative Response: Rel

Target			
	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	0.020000	1895801.205193
2	0.050000	4155971.958500
3	0.100000	8023847.759296
4	0.250000	19938487.51972
5	0.500000	38451152.941753
6	0.750000	57907810.238788
7	1.000000	75147988.464833
8	2.000000	154660325.57865

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Largest area/height
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse square of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound #37 -- Aroclor-1262

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 (5)
- Aroclor-1260
- Aroclor-1260 (2)
- Aroclor-1260 (3)
- Aroclor-1260 (4)
- Aroclor-1260 (5)
- Aroclor-1262
- Aroclor-1262 (2)
- Aroclor-1262 (3)
- Aroclor-1262 (4)
- Aroclor-1262 (5)
- Aroclor-1268
- Aroclor-1268 (2)
- Aroclor-1268 (3)
- Aroclor-1268 (4)
- Aroclor-1268 (5)
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 (2) #2
- Aroclor-1016 (3) #2
- Aroclor-1016 (4) #2
- Aroclor-1016 (5) #2
- Aroclor-1221 #2
- Aroclor-1221 (2) #2
- Aroclor-1221 (3) #2
- Aroclor-1221 (4) #2
- Aroclor-1221 (5) #2
- Aroclor-1232 #2
- Aroclor-1232 (2) #2
- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1262 | Concentration Units: | Compound Type: L8

Signals to Be Used for Quantitation

Ret Time: 6.257 | RRT: 0.000

Extract signals from

- 0.030 + 0.050 | Min | %

This is 6.227 to 6.307 minutes

Quant signal: TIC | % Uncertainty

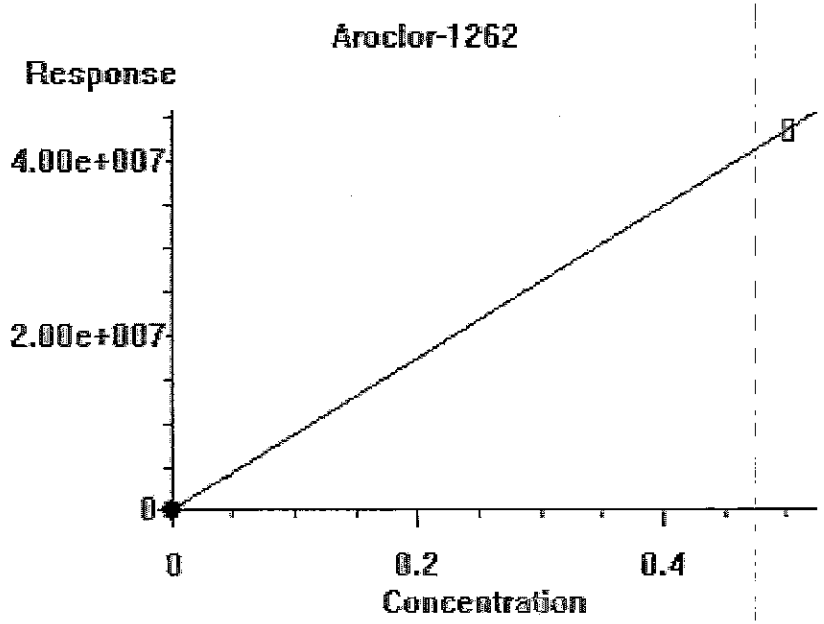
m/z | Relative Response: Rel

Target		TIC	100.00	
Q1	0.00	0.00	20.00	
Q2	0.00	0.00	20.00	
Q3	0.00	0.00	20.00	

Level	Concentration	Response
1		
2		
3	0.500000	43394220.00000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Best RT Match
Maximum number of hits	1
Subtraction Method	No subtraction
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 (5)
- Aroclor-1260
- Aroclor-1260 (2)
- Aroclor-1260 (3)
- Aroclor-1260 (4)
- Aroclor-1260 (5)
- Aroclor-1262
- Aroclor-1262 (2)
- Aroclor-1262 (3)
- Aroclor-1262 (4)
- Aroclor-1262 (5)
- Aroclor-1268
- Aroclor-1268 (2)
- Aroclor-1268 (3)
- Aroclor-1268 (4)
- Aroclor-1268 (5)
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 (2) #2
- Aroclor-1016 (3) #2
- Aroclor-1016 (4) #2
- Aroclor-1016 (5) #2
- Aroclor-1221 #2
- Aroclor-1221 (2) #2
- Aroclor-1221 (3) #2
- Aroclor-1221 (4) #2
- Aroclor-1221 (5) #2
- Aroclor-1232 #2
- Aroclor-1232 (2) #2
- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1262 (2) | Concentration Units: | Compound Type: L8

Signals to Be Used for Quantitation

Ret Time: 6.561 | RRT: 0.000

Extract signals from

- 0.030 + 0.050 | Min | %

This is 6.531 to 6.611 minutes

Quant signal: TIC | % Uncertainty

m/z | Relative Response: Rel

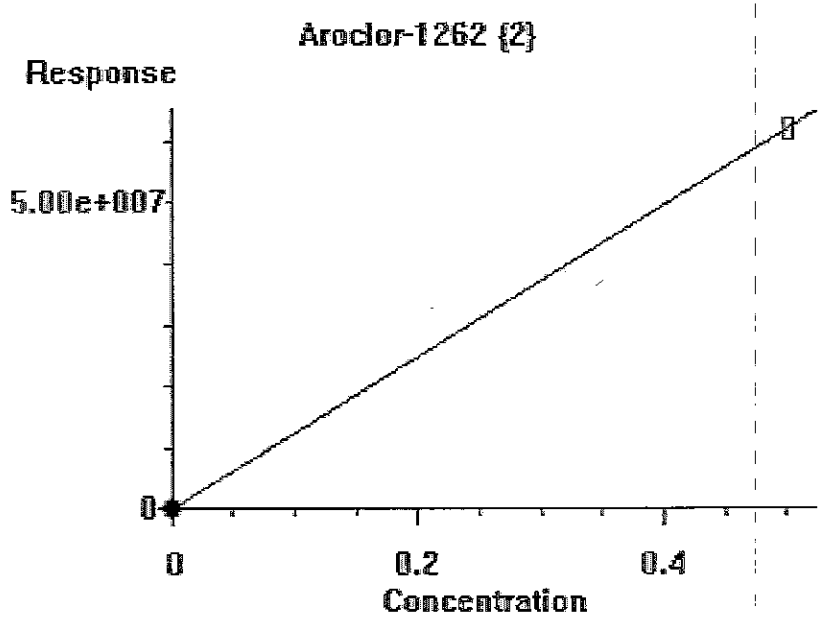
Target

	TIC		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	61847441.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Best RT Match
Maximum number of hits	1
Subtraction Method	No subtraction
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Found: -- Compound -- 36 -- Aroclor-1262 {3}

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 {5}
- Aroclor-1260
- Aroclor-1260 {2}
- Aroclor-1260 {3}
- Aroclor-1260 {4}
- Aroclor-1260 {5}
- Aroclor-1262
- Aroclor-1262 {2}
- Aroclor-1262 {3}
- Aroclor-1262 {4}
- Aroclor-1262 {5}
- Aroclor-1268
- Aroclor-1268 {2}
- Aroclor-1268 {3}
- Aroclor-1268 {4}
- Aroclor-1268 {5}
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 {2} #2
- Aroclor-1016 {3} #2
- Aroclor-1016 {4} #2
- Aroclor-1016 {5} #2
- Aroclor-1221 #2
- Aroclor-1221 {2} #2
- Aroclor-1221 {3} #2
- Aroclor-1221 {4} #2
- Aroclor-1221 {5} #2
- Aroclor-1232 #2
- Aroclor-1232 {2} #2
- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1262 {3} | Concentration Units: | Compound Type: L8

Signals to Be Used for Quantitation

Ret Time: 6.755 RRT: 0.000

Extract signals from

- 0.030 + 0.050 Min %

This is 6.725 to 6.805 minutes

Quant signal: TIC % Uncertainty

m/z Relative Response: Rel

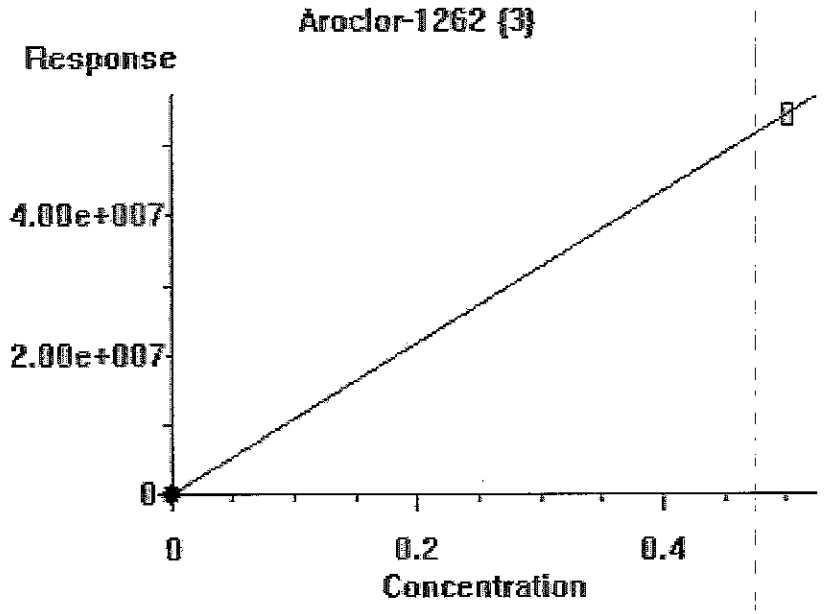
Target

	TIC		
	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	54413635.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Best RT Match
Maximum number of hits	1
Subtraction Method	No subtraction
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

009

Pounds - Compound=40 - Aroclor-1262 {4}

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 {5}
- Aroclor-1260
- Aroclor-1260 {2}
- Aroclor-1260 {3}
- Aroclor-1260 {4}
- Aroclor-1260 {5}
- Aroclor-1262
- Aroclor-1262 {2}
- Aroclor-1262 {3}
- Aroclor-1262 {4}
- Aroclor-1262 {5}
- Aroclor-1268
- Aroclor-1268 {2}
- Aroclor-1268 {3}
- Aroclor-1268 {4}
- Aroclor-1268 {5}
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 {2} #2
- Aroclor-1016 {3} #2
- Aroclor-1016 {4} #2
- Aroclor-1016 {5} #2
- Aroclor-1221 #2
- Aroclor-1221 {2} #2
- Aroclor-1221 {3} #2
- Aroclor-1221 {4} #2
- Aroclor-1221 {5} #2
- Aroclor-1232 #2
- Aroclor-1232 {2} #2
- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1262 {4} Concentration Units: Compound Type: L8

Signals to Be Used for Quantitation

Ret Time: 6.985 RRT: 0.000

Extract signals from

- 0.030 + 0.050 Min %

This is 6.955 to 7.035 minutes

Quant signal: TIC % Uncertainty

m/z Relative Response: Rel

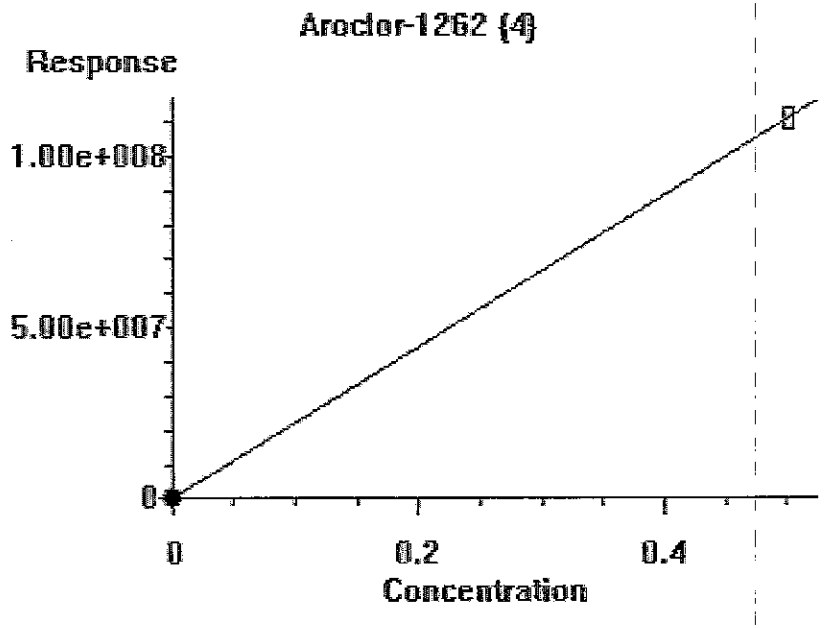
Target

	TIC		
	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	110900000.00000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Best RT Match
Maximum number of hits	1
Subtraction Method	No subtraction
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

601

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 (5)
- Aroclor-1260
- Aroclor-1260 (2)
- Aroclor-1260 (3)
- Aroclor-1260 (4)
- Aroclor-1260 (5)
- Aroclor-1262
- Aroclor-1262 (2)
- Aroclor-1262 (3)
- Aroclor-1262 (4)
- Aroclor-1262 (5)
- Aroclor-1268
- Aroclor-1268 (2)
- Aroclor-1268 (3)
- Aroclor-1268 (4)
- Aroclor-1268 (5)
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 (2) #2
- Aroclor-1016 (3) #2
- Aroclor-1016 (4) #2
- Aroclor-1016 (5) #2
- Aroclor-1221 #2
- Aroclor-1221 (2) #2
- Aroclor-1221 (3) #2
- Aroclor-1221 (4) #2
- Aroclor-1221 (5) #2
- Aroclor-1232 #2
- Aroclor-1232 (2) #2
- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1262 (5) | Concentration Units: | Compound Type: L8

Signals to Be Used for Quantitation

Ret Time: 7.240 | RRT: 0.000

Extract signals from

- 0.030 + 0.050 (Min / %)

This is 7.210 to 7.290 minutes

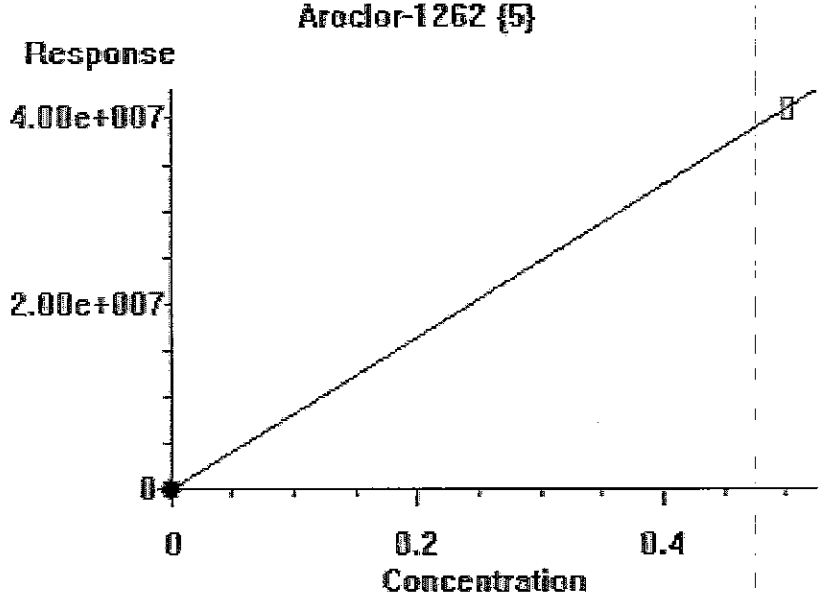
Quant signal: TIC | % Uncertainty

m/z	Relative Response	Rel
Target TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	40912526.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Best RT Match
Maximum number of hits	1
Subtraction Method	No subtraction
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 (5)
- Aroclor-1260
- Aroclor-1260 (2)
- Aroclor-1260 (3)
- Aroclor-1260 (4)
- Aroclor-1260 (5)
- Aroclor-1262
- Aroclor-1262 (2)
- Aroclor-1262 (3)
- Aroclor-1262 (4)
- Aroclor-1262 (5)
- Aroclor-1268
- Aroclor-1268 (2)
- Aroclor-1268 (3)
- Aroclor-1268 (4)
- Aroclor-1268 (5)
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 (2) #2
- Aroclor-1016 (3) #2
- Aroclor-1016 (4) #2
- Aroclor-1016 (5) #2
- Aroclor-1221 #2
- Aroclor-1221 (2) #2
- Aroclor-1221 (3) #2
- Aroclor-1221 (4) #2
- Aroclor-1221 (5) #2
- Aroclor-1232 #2
- Aroclor-1232 (2) #2
- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1268 | Concentration Units: ppm | Compound Type: L9

Signals to Be Used for Quantitation

Ret Time: 6.751 | RRT: 0.000

Extract signals from

- 0.050 + 0.050 | Min | %

This is 6.701 to 6.801 minutes

Quant signal: TIC | % Uncertainty

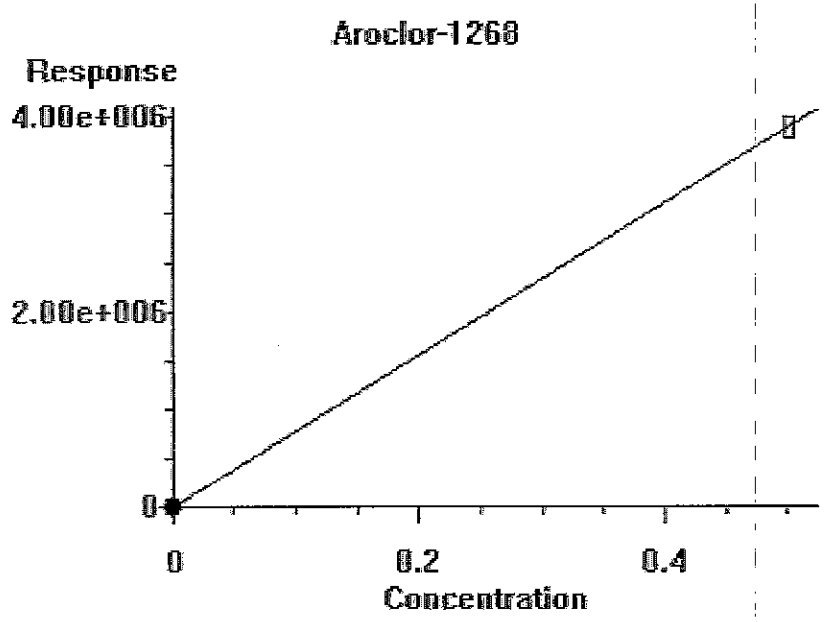
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	3888245.882735
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound=43 -- Aroclor-1268 (2)

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 (5)
- Aroclor-1260
- Aroclor-1260 (2)
- Aroclor-1260 (3)
- Aroclor-1260 (4)
- Aroclor-1260 (5)
- Aroclor-1262
- Aroclor-1262 (2)
- Aroclor-1262 (3)
- Aroclor-1262 (4)
- Aroclor-1262 (5)
- Aroclor-1268
- Aroclor-1268 (2)
- Aroclor-1268 (3)
- Aroclor-1268 (4)
- Aroclor-1268 (5)
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 (2) #2
- Aroclor-1016 (3) #2
- Aroclor-1016 (4) #2
- Aroclor-1016 (5) #2
- Aroclor-1221 #2
- Aroclor-1221 (2) #2
- Aroclor-1221 (3) #2
- Aroclor-1221 (4) #2
- Aroclor-1221 (5) #2
- Aroclor-1232 #2
- Aroclor-1232 (2) #2
- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1268 (2) | Concentration Units: | Compound Type: L9

Signals to Be Used for Quantitation

Ret Time: 7.240 | RRT: 0.000

Extract signals from

- 0.050 + 0.050 (Min / %)

This is 7.190 to 7.290 minutes

Quant signal: TIC | % Uncertainty

m/z | Relative Response: Rel

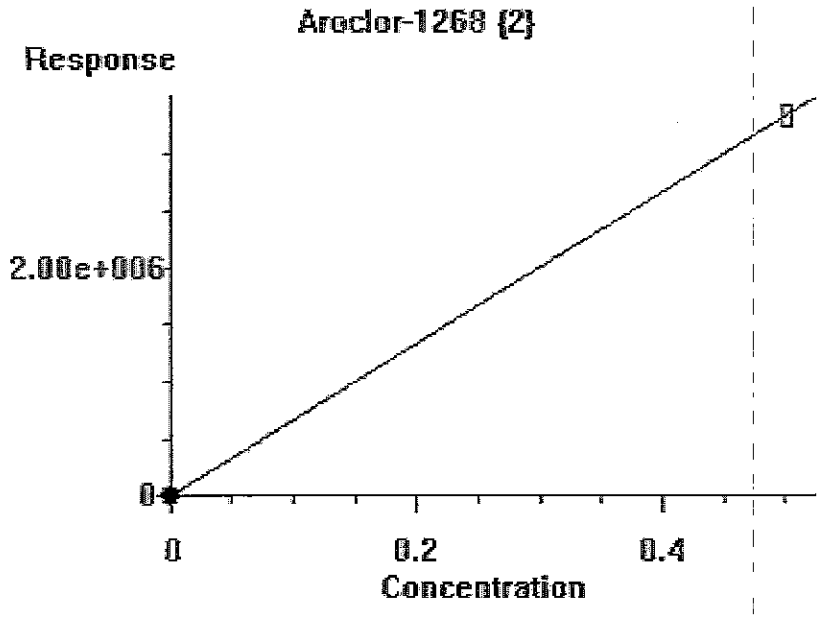
Target

		TIC		
Q1	0.00	0.00	20.00	
Q2	0.00	0.00	20.00	
Q3	0.00	0.00	20.00	

Level	Concentration	Response
1		
2		
3	0.500000	3329714.427912
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	9
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound 5 = Aroclor-1268 (3)

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 (5)
- Aroclor-1260
- Aroclor-1260 (2)
- Aroclor-1260 (3)
- Aroclor-1260 (4)
- Aroclor-1260 (5)
- Aroclor-1262
- Aroclor-1262 (2)
- Aroclor-1262 (3)
- Aroclor-1262 (4)
- Aroclor-1262 (5)
- Aroclor-1268
- Aroclor-1268 (2)
- Aroclor-1268 (3)
- Aroclor-1268 (4)
- Aroclor-1268 (5)
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 (2) #2
- Aroclor-1016 (3) #2
- Aroclor-1016 (4) #2
- Aroclor-1016 (5) #2
- Aroclor-1221 #2
- Aroclor-1221 (2) #2
- Aroclor-1221 (3) #2
- Aroclor-1221 (4) #2
- Aroclor-1221 (5) #2
- Aroclor-1232 #2
- Aroclor-1232 (2) #2
- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1268 (3) | Concentration Units: | Compound Type: L9

Signals to Be Used for Quantitation

Ret Time: 7.275 | RRT: 0.000

Extract signals from

- 0.050 + 0.050 (Min / %)

This is 7.225 to 7.325 minutes

Quant signal: TIC | % Uncertainty

m/z | Relative Response: Rel

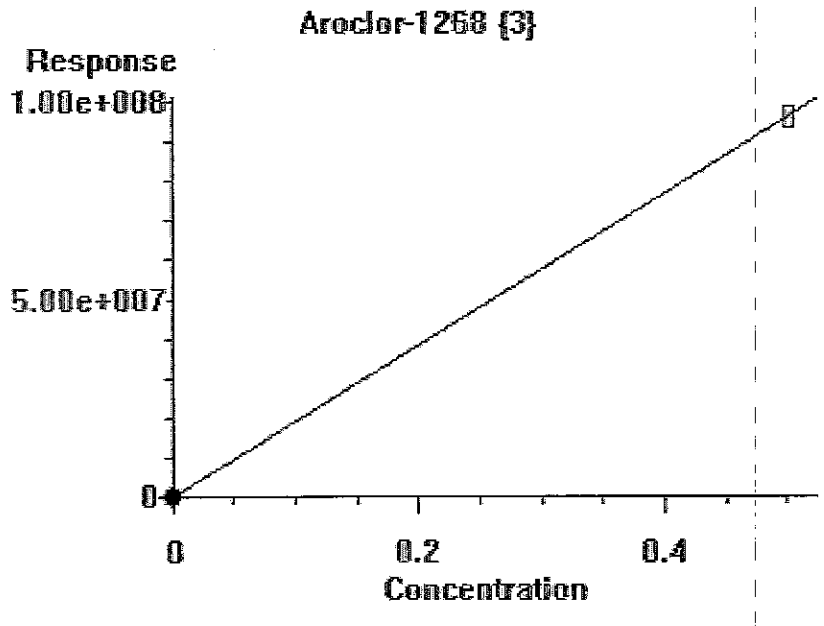
Target

	TIC		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	95833737.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	9
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 (5)
- Aroclor-1260
- Aroclor-1260 (2)
- Aroclor-1260 (3)
- Aroclor-1260 (4)
- Aroclor-1260 (5)
- Aroclor-1262
- Aroclor-1262 (2)
- Aroclor-1262 (3)
- Aroclor-1262 (4)
- Aroclor-1262 (5)
- Aroclor-1268
- Aroclor-1268 (2)
- Aroclor-1268 (3)
- **Aroclor-1268 (4)**
- Aroclor-1268 (5)
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 (2) #2
- Aroclor-1016 (3) #2
- Aroclor-1016 (4) #2
- Aroclor-1016 (5) #2
- Aroclor-1221 #2
- Aroclor-1221 (2) #2
- Aroclor-1221 (3) #2
- Aroclor-1221 (4) #2
- Aroclor-1221 (5) #2
- Aroclor-1232 #2
- Aroclor-1232 (2) #2
- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1268 (4) | Concentration Units: | Compound Type: L9

Signals to Be Used for Quantitation

Ret Time: 7.444 | RRT: 0.000

Extract signals from

- 0.050 ÷ 0.050 (Min / %)

This is 7.394 to 7.494 minutes

Quant signal: TIC | % Uncertainty

m/z | Relative Response: Rel

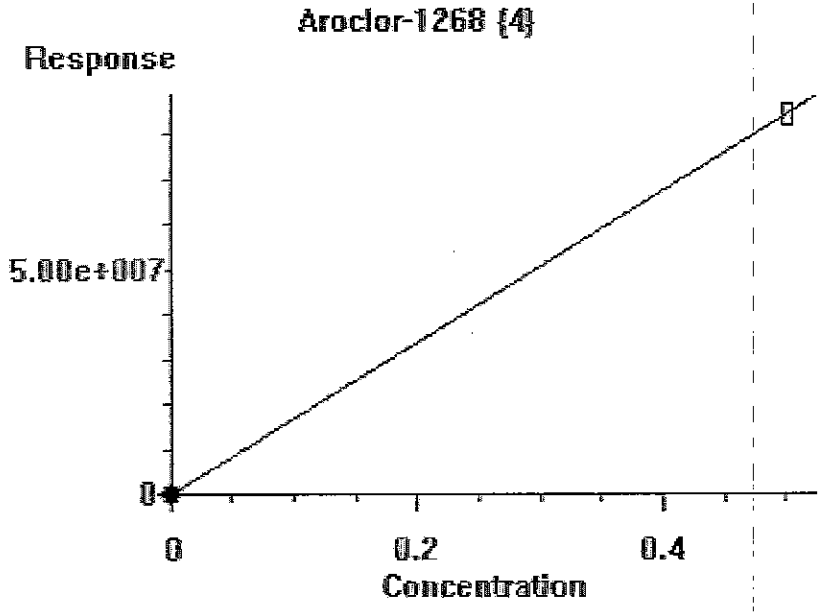
Target

	TIC		
	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	84201280.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	9
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 (5)
- Aroclor-1260
- Aroclor-1260 (2)
- Aroclor-1260 (3)
- Aroclor-1260 (4)
- Aroclor-1260 (5)
- Aroclor-1262
- Aroclor-1262 (2)
- Aroclor-1262 (3)
- Aroclor-1262 (4)
- Aroclor-1262 (5)
- Aroclor-1268
- Aroclor-1268 (2)
- Aroclor-1268 (3)
- Aroclor-1268 (4)
- Aroclor-1268 (5)
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 (2) #2
- Aroclor-1016 (3) #2
- Aroclor-1016 (4) #2
- Aroclor-1016 (5) #2
- Aroclor-1221 #2
- Aroclor-1221 (2) #2
- Aroclor-1221 (3) #2
- Aroclor-1221 (4) #2
- Aroclor-1221 (5) #2
- Aroclor-1232 #2
- Aroclor-1232 (2) #2
- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1268 (5) | Concentration Units: | Compound Type: L9

Signals to Be Used for Quantitation

Ret Time: 8.055 | RRT: 0.000

Extract signals from: - 0.050 + 0.050 (Min / %)

This is 8.005 to 8.105 minutes

Quant signal: TIC | % Uncertainty

m/z | Relative Response: Rel

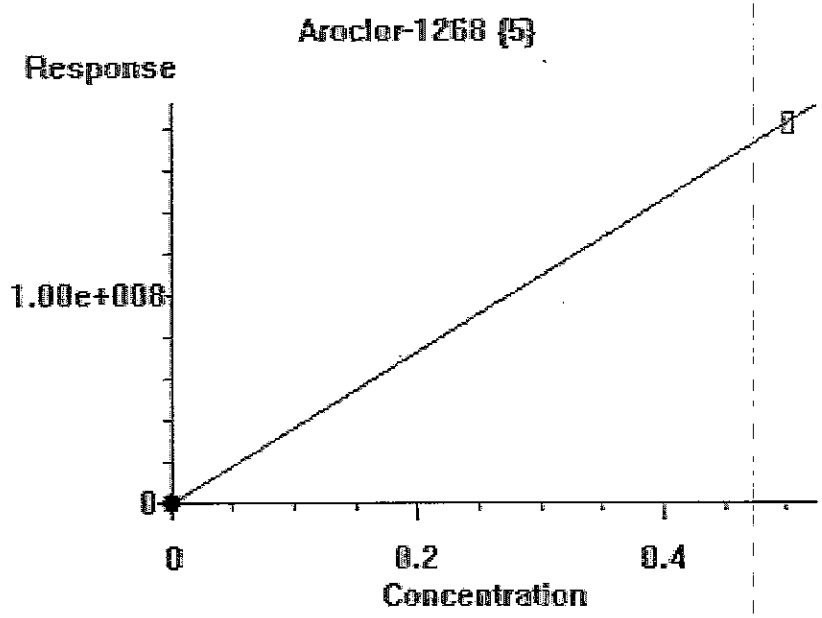
Target: TIC 100.00

Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	182400000.00000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	9
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pound: Compound 5 - DCB

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 (5)
- Aroclor-1260
- Aroclor-1260 (2)
- Aroclor-1260 (3)
- Aroclor-1260 (4)
- Aroclor-1260 (5)
- Aroclor-1262
- Aroclor-1262 (2)
- Aroclor-1262 (3)
- Aroclor-1262 (4)
- Aroclor-1262 (5)
- Aroclor-1268
- Aroclor-1268 (2)
- Aroclor-1268 (3)
- Aroclor-1268 (4)
- Aroclor-1268 (5)
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 (2) #2
- Aroclor-1016 (3) #2
- Aroclor-1016 (4) #2
- Aroclor-1016 (5) #2
- Aroclor-1221 #2
- Aroclor-1221 (2) #2
- Aroclor-1221 (3) #2
- Aroclor-1221 (4) #2
- Aroclor-1221 (5) #2
- Aroclor-1232 #2
- Aroclor-1232 (2) #2
- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: DCB Concentration Units: ppm Compound Type: S

Signals to Be Used for Quantitation

Ret Time: 8.259 RRT: 0.000

Extract signals from

- 0.100 + 0.100 Min %

This is 8.159 to 8.359 minutes

Quant signal: TIC % Uncertainty

m/z Relative Response: Rel

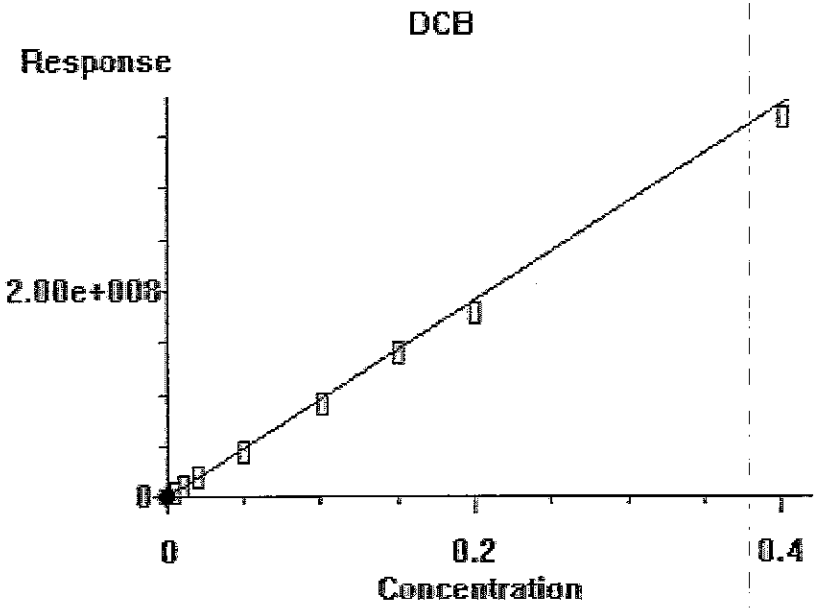
Target

	TIC		
	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	0.004000	4433986.673983
2	0.010000	10129365.69213
3	0.020000	19182140.166445
4	0.050000	44830746.15877
5	0.100000	91646527.066746
6	0.150000	140065591.63435
7	0.200000	179731092.95596
8	0.400000	368618812.60556

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Largest area/height
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 {5}
- Aroclor-1260
- Aroclor-1260 {2}
- Aroclor-1260 {3}
- Aroclor-1260 {4}
- Aroclor-1260 {5}
- Aroclor-1262
- Aroclor-1262 {2}
- Aroclor-1262 {3}
- Aroclor-1262 {4}
- Aroclor-1262 {5}
- Aroclor-1268
- Aroclor-1268 {2}
- Aroclor-1268 {3}
- Aroclor-1268 {4}
- Aroclor-1268 {5}
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 {2} #2
- Aroclor-1016 {3} #2
- Aroclor-1016 {4} #2
- Aroclor-1016 {5} #2
- Aroclor-1221 #2
- Aroclor-1221 {2} #2
- Aroclor-1221 {3} #2
- Aroclor-1221 {4} #2
- Aroclor-1221 {5} #2
- Aroclor-1232 #2
- Aroclor-1232 {2} #2
- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: TCX #2 | Concentration Units: ppm | Compound Type: S

Signals to Be Used for Quantitation

Ret Time: 3.396 | RRT: 0.000

Extract signals from

- 0.030 + 0.050 (Min / %)

This is 3.356 to 3.436 minutes

Quant signal: TIC | % Uncertainty

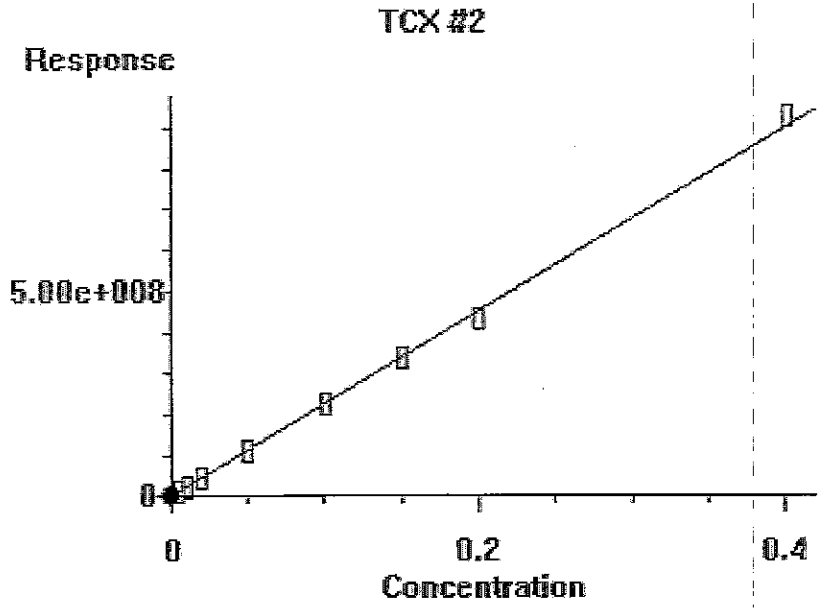
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse square of conc

Level	Concentration	Response
1	0.004000	9134378.959576
2	0.010000	22421281.37854
3	0.020000	44540781.51540
4	0.050000	112025636.00185
5	0.100000	226248770.89308
6	0.150000	339590659.47655
7	0.200000	434352578.76194
8	0.400000	928350122.19438



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 (5)
- Aroclor-1260
- Aroclor-1260 (2)
- Aroclor-1260 (3)
- Aroclor-1260 (4)
- Aroclor-1260 (5)
- Aroclor-1262
- Aroclor-1262 (2)
- Aroclor-1262 (3)
- Aroclor-1262 (4)
- Aroclor-1262 (5)
- Aroclor-1268
- Aroclor-1268 (2)
- Aroclor-1268 (3)
- Aroclor-1268 (4)
- Aroclor-1268 (5)
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 (2) #2
- Aroclor-1016 (3) #2
- Aroclor-1016 (4) #2
- Aroclor-1016 (5) #2
- Aroclor-1221 #2
- Aroclor-1221 (2) #2
- Aroclor-1221 (3) #2
- Aroclor-1221 (4) #2
- Aroclor-1221 (5) #2
- Aroclor-1232 #2
- Aroclor-1232 (2) #2
- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1016 #2 | Concentration Units: ppm | Compound Type: L1

Signals to Be Used for Quantitation

Ret Time: 3.843 | RRT: 0.000

Extract signals from

- 0.030 + 0.050 (Min / %)

This is 3.813 to 3.893 minutes

Quant signal: TIC | % Uncertainty

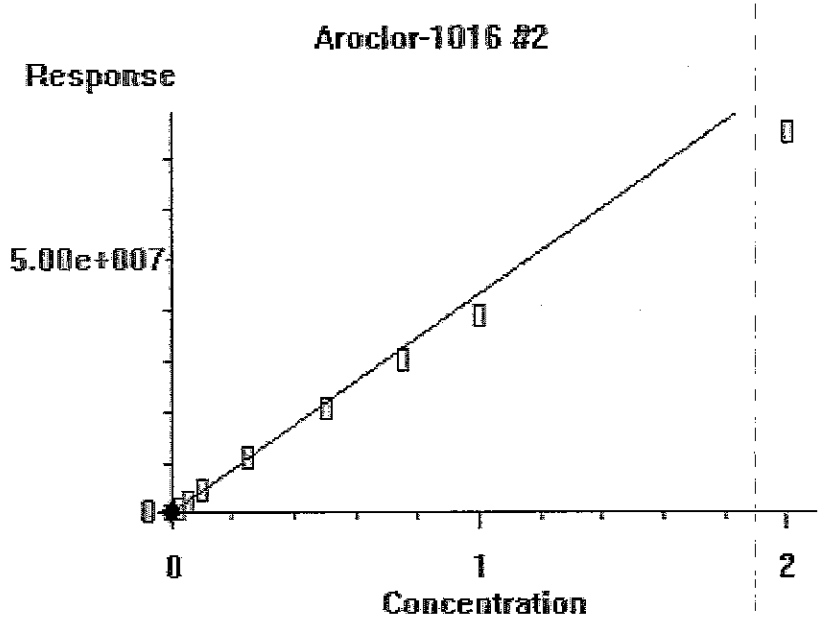
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	0.020000	977741.028206
2	0.050000	2431095.832983
3	0.100000	4468424.598176
4	0.250000	10782080.26840
5	0.500000	20609573.79080
6	0.750000	30371160.24620
7	1.000000	38690388.41028
8	2.000000	75258417.31733

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 (5)
- Aroclor-1260
- Aroclor-1260 (2)
- Aroclor-1260 (3)
- Aroclor-1260 (4)
- Aroclor-1260 (5)
- Aroclor-1262
- Aroclor-1262 (2)
- Aroclor-1262 (3)
- Aroclor-1262 (4)
- Aroclor-1262 (5)
- Aroclor-1268
- Aroclor-1268 (2)
- Aroclor-1268 (3)
- Aroclor-1268 (4)
- Aroclor-1268 (5)
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 (2) #2
- Aroclor-1016 (3) #2
- Aroclor-1016 (4) #2
- Aroclor-1016 (5) #2
- Aroclor-1221 #2
- Aroclor-1221 (2) #2
- Aroclor-1221 (3) #2
- Aroclor-1221 (4) #2
- Aroclor-1221 (5) #2
- Aroclor-1232 #2
- Aroclor-1232 (2) #2
- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1016 (2) #2 | Concentration Units: ppm | Compound Type: L1

Signals to Be Used for Quantitation

Ret Time: 4.198 | RRT: 0.000

Extract signals from

- 0.030 + 0.050 | Min | %

This is 4.168 to 4.248 minutes

Quant signal: TIC | % Uncertainty

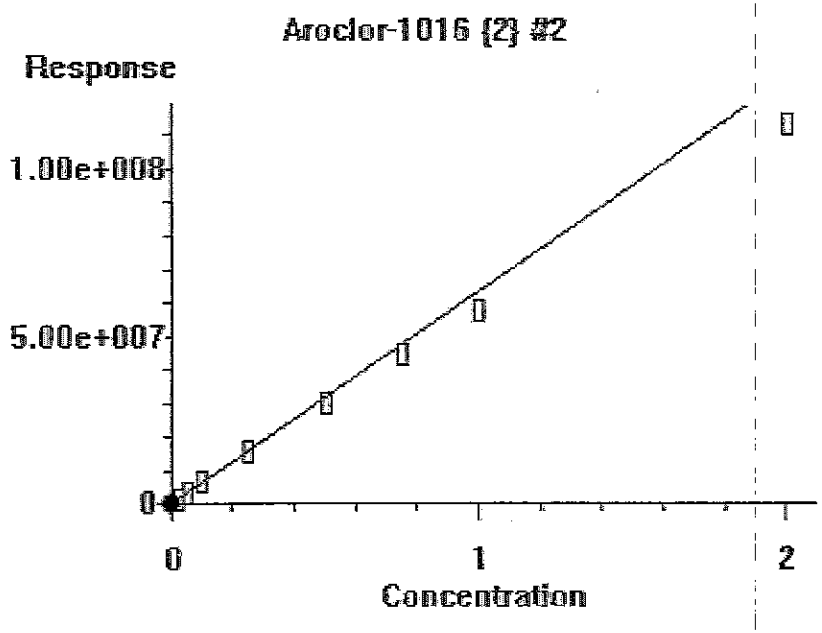
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	0.020000	1433395.304603
2	0.050000	3523710.388060
3	0.100000	6590847.183219
4	0.250000	16057495.061435
5	0.500000	30390697.622795
6	0.750000	44463782.775281
7	1.000000	57553639.695064
8	2.000000	113207803.76525

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 (5)
- Aroclor-1260
- Aroclor-1260 (2)
- Aroclor-1260 (3)
- Aroclor-1260 (4)
- Aroclor-1260 (5)
- Aroclor-1262
- Aroclor-1262 (2)
- Aroclor-1262 (3)
- Aroclor-1262 (4)
- Aroclor-1262 (5)
- Aroclor-1268
- Aroclor-1268 (2)
- Aroclor-1268 (3)
- Aroclor-1268 (4)
- Aroclor-1268 (5)
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 (2) #2
- Aroclor-1016 (3) #2
- Aroclor-1016 (4) #2
- Aroclor-1016 (5) #2
- Aroclor-1221 #2
- Aroclor-1221 (2) #2
- Aroclor-1221 (3) #2
- Aroclor-1221 (4) #2
- Aroclor-1221 (5) #2
- Aroclor-1232 #2
- Aroclor-1232 (2) #2
- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1016 (3) #2 | Concentration Units: ppm | Compound Type: L1

Signals to Be Used for Quantitation

Ret Time: 4.586 | RRT: 0.000

Extract signals from: - 0.020 + 0.050 (Min / %)

This is 4.566 to 4.636 minutes

Quant signal: TIC | % Uncertainty

m/z | Relative Response: Rel

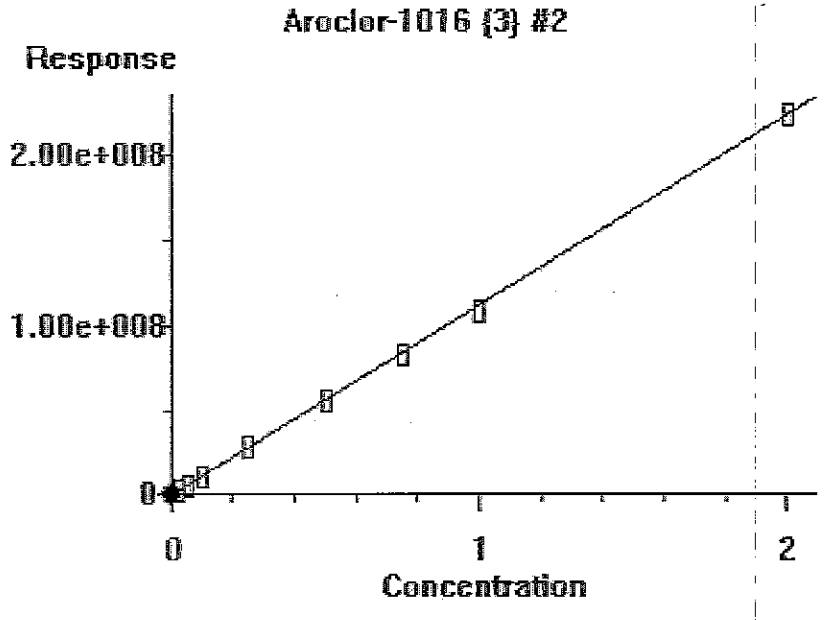
Target: TIC 100.00

Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	0.020000	2304534.004036
2	0.050000	5595005.625956
3	0.100000	11009360.826173
4	0.250000	28388687.075355
5	0.500000	55103628.312746
6	0.750000	82937239.602288
7	1.000000	108512488.89048
8	2.000000	223117393.95994

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 (5)
- Aroclor-1260
- Aroclor-1260 (2)
- Aroclor-1260 (3)
- Aroclor-1260 (4)
- Aroclor-1260 (5)
- Aroclor-1262
- Aroclor-1262 (2)
- Aroclor-1262 (3)
- Aroclor-1262 (4)
- Aroclor-1262 (5)
- Aroclor-1268
- Aroclor-1268 (2)
- Aroclor-1268 (3)
- Aroclor-1268 (4)
- Aroclor-1268 (5)
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 (2) #2
- Aroclor-1016 (3) #2
- Aroclor-1016 (4) #2
- Aroclor-1016 (5) #2
- Aroclor-1221 #2
- Aroclor-1221 (2) #2
- Aroclor-1221 (3) #2
- Aroclor-1221 (4) #2
- Aroclor-1221 (5) #2
- Aroclor-1232 #2
- Aroclor-1232 (2) #2
- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1016 (4) #2 | Concentration Units: ppm | Compound Type: L1

Signals to Be Used for Quantitation

Ret Time: 4.696 | RRT: 0.000

Extract signals from

- 0.030 + 0.050 | Min | %

This is 4.666 to 4.746 minutes

Quant signal: TIC | % Uncertainty

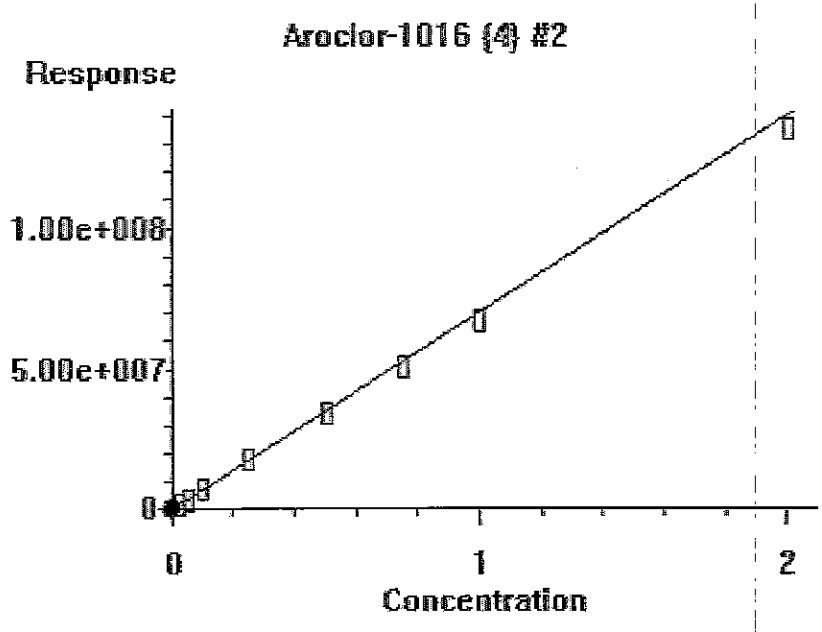
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	0.020000	1552708.956609
2	0.050000	3623651.029606
3	0.100000	7012260.904544
4	0.250000	17644511.539426
5	0.500000	34361646.086345
6	0.750000	50569718.718425
7	1.000000	67134050.689193
8	2.000000	135175689.60268

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound=34 -- Aroclor-1016{5}=2

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 {5}
- Aroclor-1260
- Aroclor-1260 {2}
- Aroclor-1260 {3}
- Aroclor-1260 {4}
- Aroclor-1260 {5}
- Aroclor-1262
- Aroclor-1262 {2}
- Aroclor-1262 {3}
- Aroclor-1262 {4}
- Aroclor-1262 {5}
- Aroclor-1268
- Aroclor-1268 {2}
- Aroclor-1268 {3}
- Aroclor-1268 {4}
- Aroclor-1268 {5}
- DC8
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 {2} #2
- Aroclor-1016 {3} #2
- Aroclor-1016 {4} #2
- **Aroclor-1016 {5} #2**
- Aroclor-1221 #2
- Aroclor-1221 {2} #2
- Aroclor-1221 {3} #2
- Aroclor-1221 {4} #2
- Aroclor-1221 {5} #2
- Aroclor-1232 #2
- Aroclor-1232 {2} #2
- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1016 {5} #2 | Concentration Units: ppm | Compound Type: L1

Signals to Be Used for Quantitation

Ret Time: 5.072 | RRT: 0.000

Extract signals from

- 0.030 + 0.050 | Min | %

This is 5.042 to 5.122 minutes

Quant signal: TIC | % Uncertainty

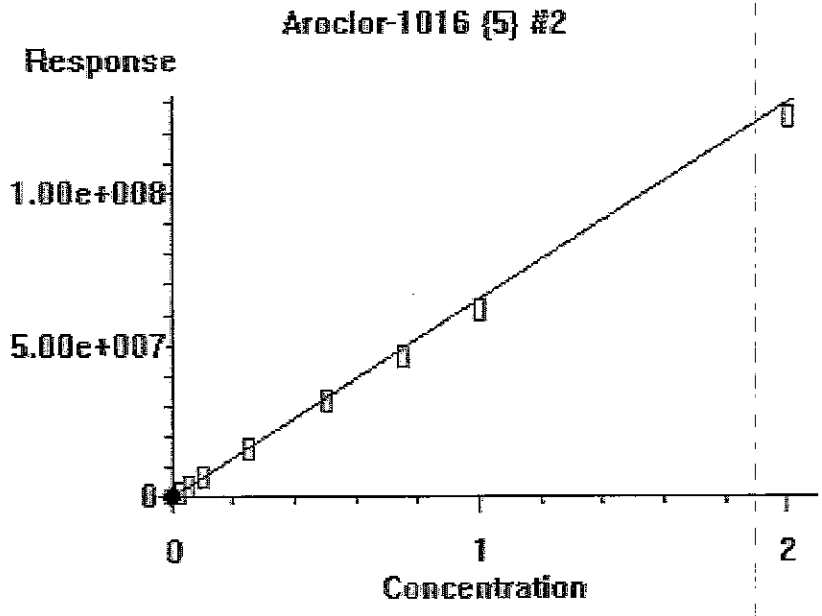
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	0.020000	1414445.823874
2	0.050000	3426284.018009
3	0.100000	6602701.756056
4	0.250000	16267502.885580
5	0.500000	31731604.278060
6	0.750000	46487073.312380
7	1.000000	61159739.723357
8	2.000000	125195924.26208

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 (5)
- Aroclor-1260
- Aroclor-1260 (2)
- Aroclor-1260 (3)
- Aroclor-1260 (4)
- Aroclor-1260 (5)
- Aroclor-1262
- Aroclor-1262 (2)
- Aroclor-1262 (3)
- Aroclor-1262 (4)
- Aroclor-1262 (5)
- Aroclor-1268
- Aroclor-1268 (2)
- Aroclor-1268 (3)
- Aroclor-1268 (4)
- Aroclor-1268 (5)
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 (2) #2
- Aroclor-1016 (3) #2
- Aroclor-1016 (4) #2
- Aroclor-1016 (5) #2
- **Aroclor-1221 #2**
- Aroclor-1221 (2) #2
- Aroclor-1221 (3) #2
- Aroclor-1221 (4) #2
- Aroclor-1221 (5) #2
- Aroclor-1232 #2
- Aroclor-1232 (2) #2
- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1221 #2 | Concentration Units: ppm | Compound Type: L2

Signals to Be Used for Quantitation

Ret Time: 2.938 | RRT: 0.000

Extract signals from: - 0.050 + 0.050 (Min / %)

This is 2.888 to 2.988 minutes

Quant signal: TIC | % Uncertainty

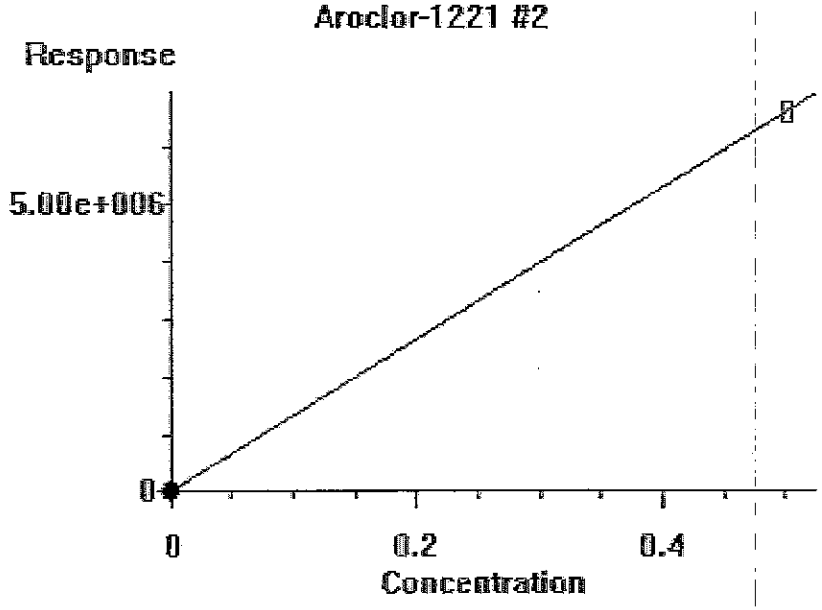
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	6633529.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 {5}
- Aroclor-1260
- Aroclor-1260 {2}
- Aroclor-1260 {3}
- Aroclor-1260 {4}
- Aroclor-1260 {5}
- Aroclor-1262
- Aroclor-1262 {2}
- Aroclor-1262 {3}
- Aroclor-1262 {4}
- Aroclor-1262 {5}
- Aroclor-1268
- Aroclor-1268 {2}
- Aroclor-1268 {3}
- Aroclor-1268 {4}
- Aroclor-1268 {5}
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 {2} #2
- Aroclor-1016 {3} #2
- Aroclor-1016 {4} #2
- Aroclor-1016 {5} #2
- Aroclor-1221 #2
- Aroclor-1221 {2} #2
- Aroclor-1221 {3} #2
- Aroclor-1221 {4} #2
- Aroclor-1221 {5} #2
- Aroclor-1232 #2
- Aroclor-1232 {2} #2
- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1221 {2} #2 | Concentration Units: ppm | Compound Type: L2

Signals to Be Used for Quantitation

Ret Time: 3.660 | RRT: 0.000

Extract signals from: - 0.050 + 0.050 (Min / %)

This is 3.610 to 3.710 minutes

Quant signal: TIC | % Uncertainty

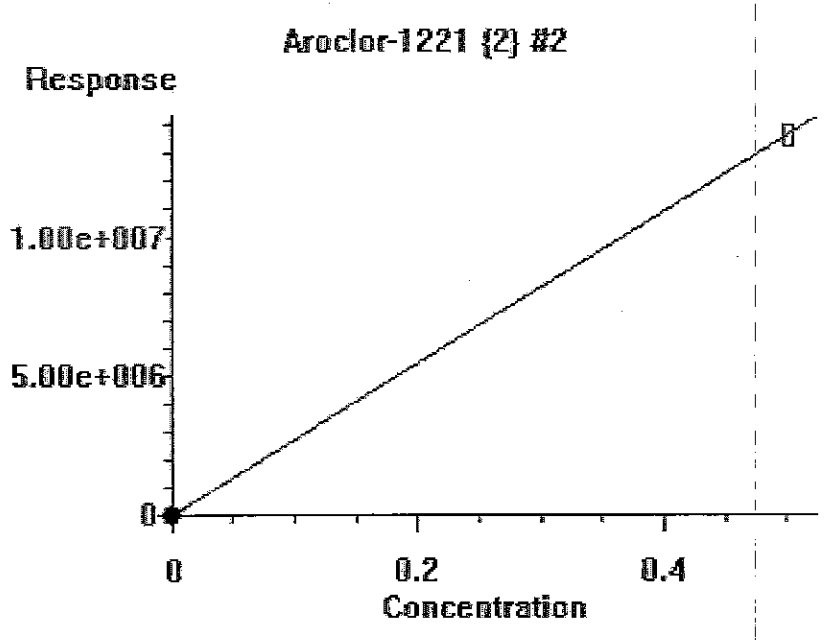
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	13625217.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound = 3 -- Aroclor-1221 {3} #2

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 {5}
- Aroclor-1260
- Aroclor-1260 {2}
- Aroclor-1260 {3}
- Aroclor-1260 {4}
- Aroclor-1260 {5}
- Aroclor-1262
- Aroclor-1262 {2}
- Aroclor-1262 {3}
- Aroclor-1262 {4}
- Aroclor-1262 {5}
- Aroclor-1268
- Aroclor-1268 {2}
- Aroclor-1268 {3}
- Aroclor-1268 {4}
- Aroclor-1268 {5}
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 {2} #2
- Aroclor-1016 {3} #2
- Aroclor-1016 {4} #2
- Aroclor-1016 {5} #2
- Aroclor-1221 #2
- Aroclor-1221 {2} #2
- **Aroclor-1221 {3} #2**
- Aroclor-1221 {4} #2
- Aroclor-1221 {5} #2
- Aroclor-1232 #2
- Aroclor-1232 {2} #2
- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1221 {3} #2 | Concentration Units: ppm | Compound Type: L2

Signals to Be Used for Quantitation

Ret Time: 3.843 | RRT: 0.000

Extract signals from

- 0.030 + 0.030 (Min / %)

This is 3.813 to 3.873 minutes

Quant signal: TIC | % Uncertainty

m/z | Relative Response: Rel

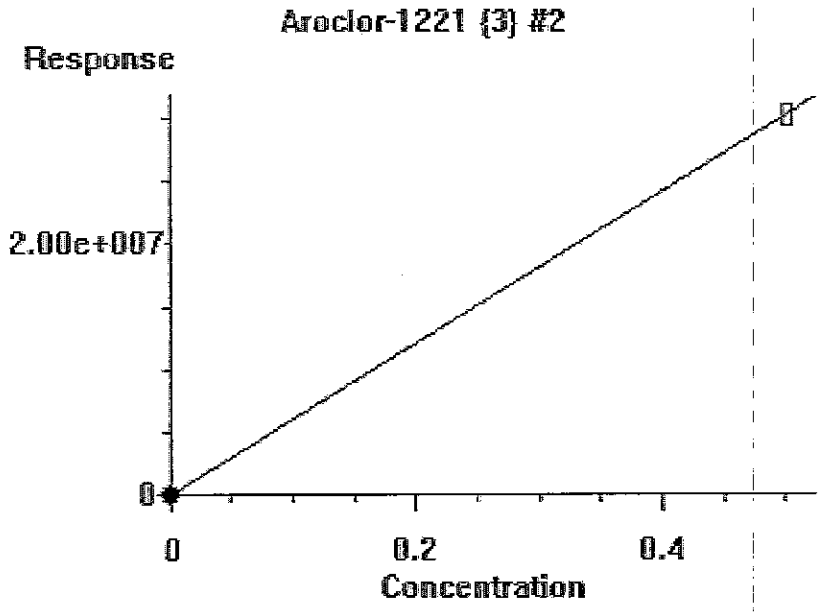
Target

	TIC		
	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	30177436.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 (5)
- Aroclor-1260
- Aroclor-1260 (2)
- Aroclor-1260 (3)
- Aroclor-1260 (4)
- Aroclor-1260 (5)
- Aroclor-1262
- Aroclor-1262 (2)
- Aroclor-1262 (3)
- Aroclor-1262 (4)
- Aroclor-1262 (5)
- Aroclor-1268
- Aroclor-1268 (2)
- Aroclor-1268 (3)
- Aroclor-1268 (4)
- Aroclor-1268 (5)
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 (2) #2
- Aroclor-1016 (3) #2
- Aroclor-1016 (4) #2
- Aroclor-1016 (5) #2
- Aroclor-1221 #2
- Aroclor-1221 (2) #2
- Aroclor-1221 (3) #2
- **Aroclor-1221 (4) #2**
- Aroclor-1221 (5) #2
- Aroclor-1232 #2
- Aroclor-1232 (2) #2
- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1221 (4) #2 | Concentration Units: ppm | Compound Type: L2

Signals to Be Used for Quantitation

Ret Time: 4.248 | RRT: 0.000

Extract signals from: - 0.030 + 0.030 (Min / %)

This is 4.218 to 4.278 minutes

Quant signal: TIC | % Uncertainty

m/z | Relative Response: Rel

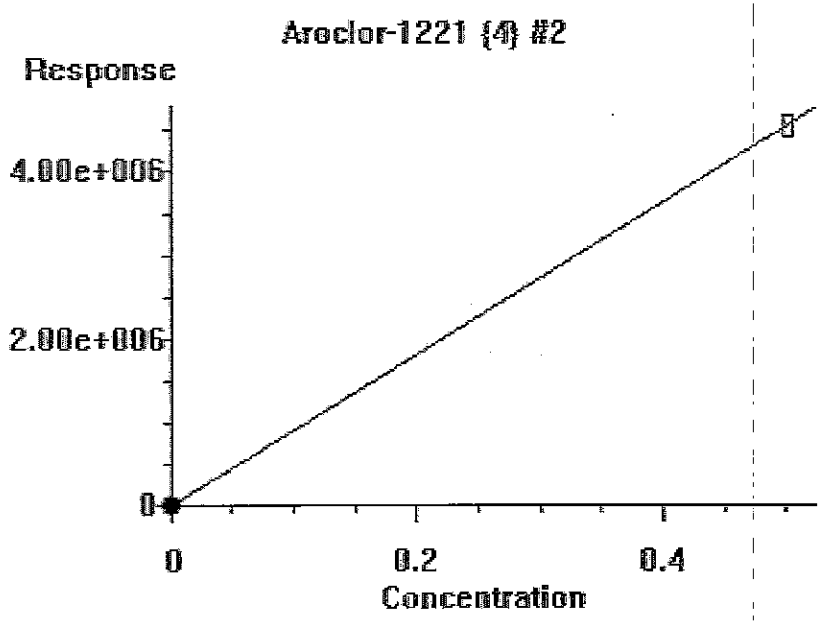
Target: TIC 100.00

Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	4545456.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds - Compound #9 - Aroclor-1221 {5} #2

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 {5}
- Aroclor-1260
- Aroclor-1260 {2}
- Aroclor-1260 {3}
- Aroclor-1260 {4}
- Aroclor-1260 {5}
- Aroclor-1262
- Aroclor-1262 {2}
- Aroclor-1262 {3}
- Aroclor-1262 {4}
- Aroclor-1262 {5}
- Aroclor-1268
- Aroclor-1268 {2}
- Aroclor-1268 {3}
- Aroclor-1268 {4}
- Aroclor-1268 {5}
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 {2} #2
- Aroclor-1016 {3} #2
- Aroclor-1016 {4} #2
- Aroclor-1016 {5} #2
- Aroclor-1221 #2
- Aroclor-1221 {2} #2
- Aroclor-1221 {3} #2
- Aroclor-1221 {4} #2
- **Aroclor-1221 {5} #2**
- Aroclor-1232 #2
- Aroclor-1232 {2} #2
- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1221 {5} #2 | Concentration Units: ppm | Compound Type: L2

Signals to Be Used for Quantitation

Ret Time: 4.586 | RRT: 0.000

Extract signals from

- 0.030 + 0.030 (Min / %)

This is 4.556 to 4.616 minutes

Quant signal: TIC | % Uncertainty

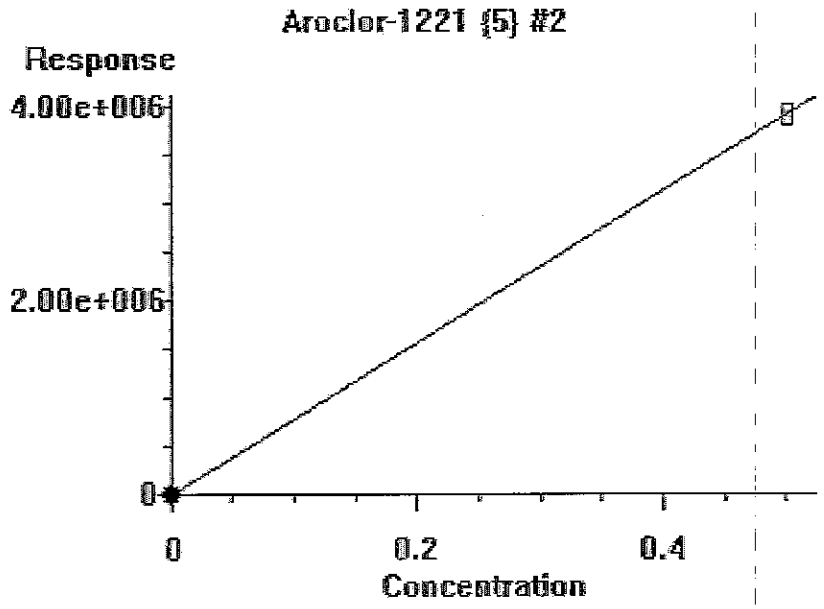
m/z | Relative Response: Rel

Target			
	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	3920603.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound 5 -- Aroclor-1232 #2

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 (5)
- Aroclor-1260
- Aroclor-1260 (2)
- Aroclor-1260 (3)
- Aroclor-1260 (4)
- Aroclor-1260 (5)
- Aroclor-1262
- Aroclor-1262 (2)
- Aroclor-1262 (3)
- Aroclor-1262 (4)
- Aroclor-1262 (5)
- Aroclor-1268
- Aroclor-1268 (2)
- Aroclor-1268 (3)
- Aroclor-1268 (4)
- Aroclor-1268 (5)
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 (2) #2
- Aroclor-1016 (3) #2
- Aroclor-1016 (4) #2
- Aroclor-1016 (5) #2
- Aroclor-1221 #2
- Aroclor-1221 (2) #2
- Aroclor-1221 (3) #2
- Aroclor-1221 (4) #2
- Aroclor-1221 (5) #2
- **Aroclor-1232 #2**
- Aroclor-1232 (2) #2
- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1232 #2 | Concentration Units: ppm | Compound Type: L3

Signals to Be Used for Quantitation

Ret Time: 3.843 | RRT: 0.000

Extract signals from

- 0.030 + 0.030 | Min | %

This is 3.813 to 3.873 minutes

Quant signal: TIC | % Uncertainty

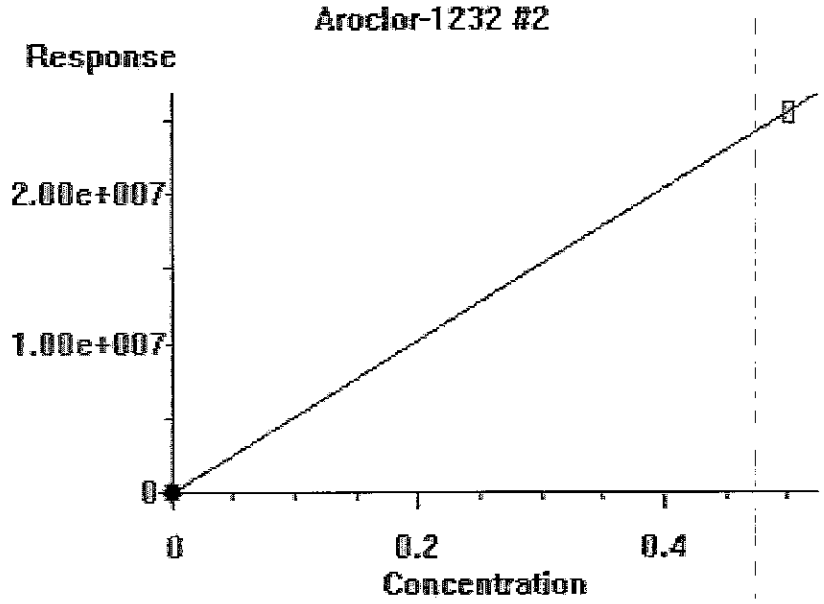
m/z | Relative Response: Rel

Target			
TIC	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	25481938.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index — Find Compound

- Aroclor-1254 (5)
- Aroclor-1260
- Aroclor-1260 (2)
- Aroclor-1260 (3)
- Aroclor-1260 (4)
- Aroclor-1260 (5)
- Aroclor-1262
- Aroclor-1262 (2)
- Aroclor-1262 (3)
- Aroclor-1262 (4)
- Aroclor-1262 (5)
- Aroclor-1268
- Aroclor-1268 (2)
- Aroclor-1268 (3)
- Aroclor-1268 (4)
- Aroclor-1268 (5)
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 (2) #2
- Aroclor-1016 (3) #2
- Aroclor-1016 (4) #2
- Aroclor-1016 (5) #2
- Aroclor-1221 #2
- Aroclor-1221 (2) #2
- Aroclor-1221 (3) #2
- Aroclor-1221 (4) #2
- Aroclor-1221 (5) #2
- Aroclor-1232 #2
- **Aroclor-1232 (2) #2**
- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1232 (2) #2 — Concentration Units: ppm — Compound Type: L3

Signals to Be Used for Quantitation

Ret Time: 4.198 — RRT: 0.000

Extract signals from

- 0.030 + 0.030 — Min / %

This is 4.168 to 4.228 minutes

Quant signal: TIC — % Uncertainty

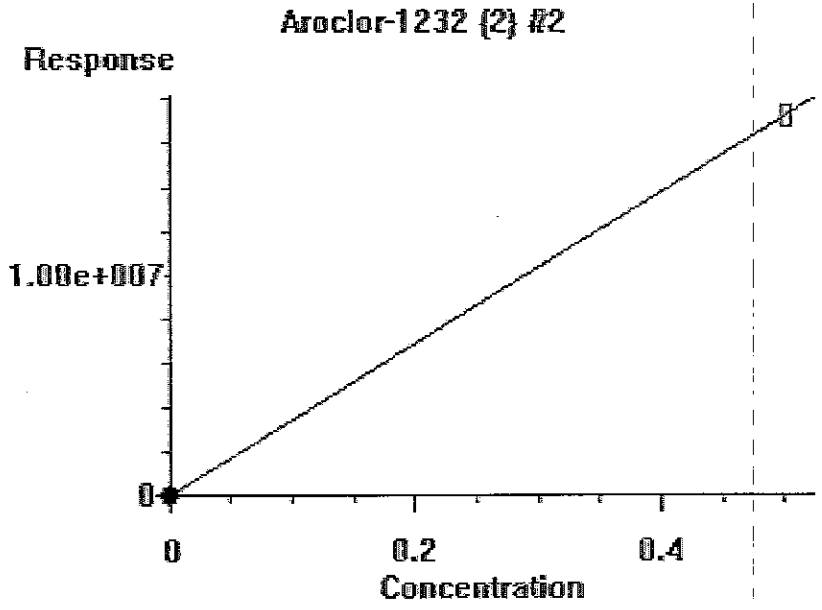
m/z — Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	17235741.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds - Compound #2 - Aroclor-1232 (3) #2

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 (5)
- Aroclor-1260
- Aroclor-1260 (2)
- Aroclor-1260 (3)
- Aroclor-1260 (4)
- Aroclor-1260 (5)
- Aroclor-1262
- Aroclor-1262 (2)
- Aroclor-1262 (3)
- Aroclor-1262 (4)
- Aroclor-1262 (5)
- Aroclor-1268
- Aroclor-1268 (2)
- Aroclor-1268 (3)
- Aroclor-1268 (4)
- Aroclor-1268 (5)
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 (2) #2
- Aroclor-1016 (3) #2
- Aroclor-1016 (4) #2
- Aroclor-1016 (5) #2
- Aroclor-1221 #2
- Aroclor-1221 (2) #2
- Aroclor-1221 (3) #2
- Aroclor-1221 (4) #2
- Aroclor-1221 (5) #2
- Aroclor-1232 #2
- Aroclor-1232 (2) #2
- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1232 (3) #2 | Concentration Units: ppm | Compound Type: L3

Signals to Be Used for Quantitation

Ret Time: 4.696 | RRT: 0.000

Extract signals from

- 0.030 + 0.030 (Min / %)

This is 4.666 to 4.726 minutes

Quant signal: TIC | % Uncertainty

m/z | Relative Response: Rel

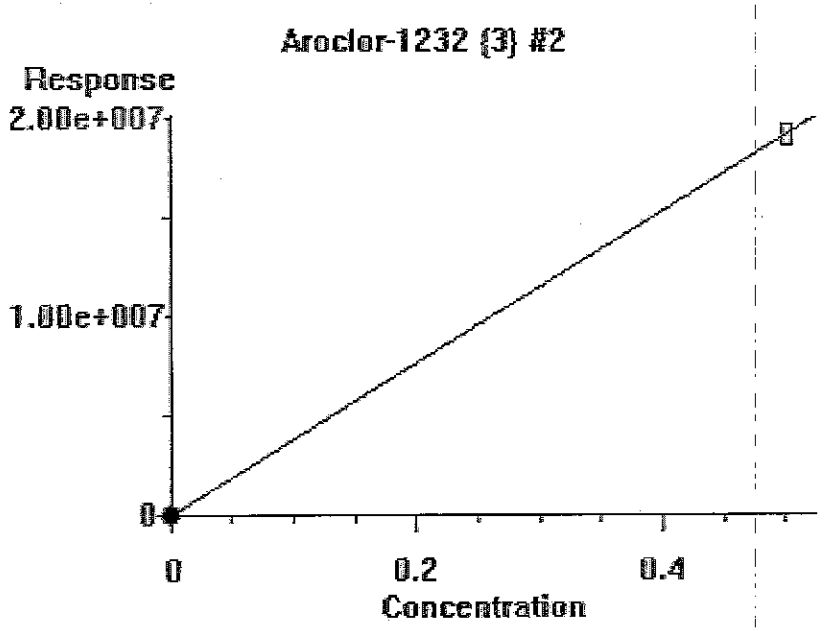
Target

	TIC		
	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	19114817.00000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pound: Compound #3 Aroclor-1232 (4) #2

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 (5)
- Aroclor-1260
- Aroclor-1260 (2)
- Aroclor-1260 (3)
- Aroclor-1260 (4)
- Aroclor-1260 (5)
- Aroclor-1262
- Aroclor-1262 (2)
- Aroclor-1262 (3)
- Aroclor-1262 (4)
- Aroclor-1262 (5)
- Aroclor-1268
- Aroclor-1268 (2)
- Aroclor-1268 (3)
- Aroclor-1268 (4)
- Aroclor-1268 (5)
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 (2) #2
- Aroclor-1016 (3) #2
- Aroclor-1016 (4) #2
- Aroclor-1016 (5) #2
- Aroclor-1221 #2
- Aroclor-1221 (2) #2
- Aroclor-1221 (3) #2
- Aroclor-1221 (4) #2
- Aroclor-1221 (5) #2
- Aroclor-1232 #2
- Aroclor-1232 (2) #2
- Aroclor-1232 (3) #2
- **Aroclor-1232 (4) #2**
- Aroclor-1232 (5) #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1232 (4) #2 | Concentration Units: ppm | Compound Type: L3

Signals to Be Used for Quantitation

Ret Time: 5.072 | RRT: 0.000

Extract signals from

- 0.030 + 0.030 | Min | %

This is 5.042 to 5.102 minutes

Quant signal: TIC | % Uncertainty

m/z | Relative Response: Rel

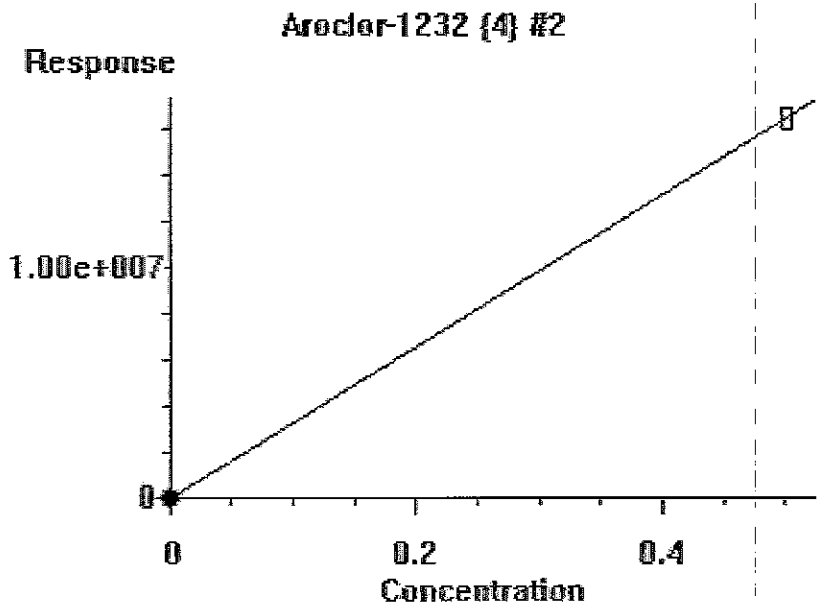
Target

	TIC		
	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	16409784.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1254 (5)
- Aroclor-1260
- Aroclor-1260 (2)
- Aroclor-1260 (3)
- Aroclor-1260 (4)
- Aroclor-1260 (5)
- Aroclor-1262
- Aroclor-1262 (2)
- Aroclor-1262 (3)
- Aroclor-1262 (4)
- Aroclor-1262 (5)
- Aroclor-1268
- Aroclor-1268 (2)
- Aroclor-1268 (3)
- Aroclor-1268 (4)
- Aroclor-1268 (5)
- DCB
- Column #2
- TCX #2
- Aroclor-1016 #2
- Aroclor-1016 (2) #2
- Aroclor-1016 (3) #2
- Aroclor-1016 (4) #2
- Aroclor-1016 (5) #2
- Aroclor-1221 #2
- Aroclor-1221 (2) #2
- Aroclor-1221 (3) #2
- Aroclor-1221 (4) #2
- Aroclor-1221 (5) #2
- Aroclor-1232 #2
- Aroclor-1232 (2) #2
- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1232 (5) #2 | Concentration Units: ppm | Compound Type: L3

Signals to Be Used for Quantitation

Ret Time: 5.368 | RRT: 0.000

Extract signals from

- 0.030 + 0.030 | Min | %

This is 5.338 to 5.398 minutes

Quant signal: TIC | % Uncertainty

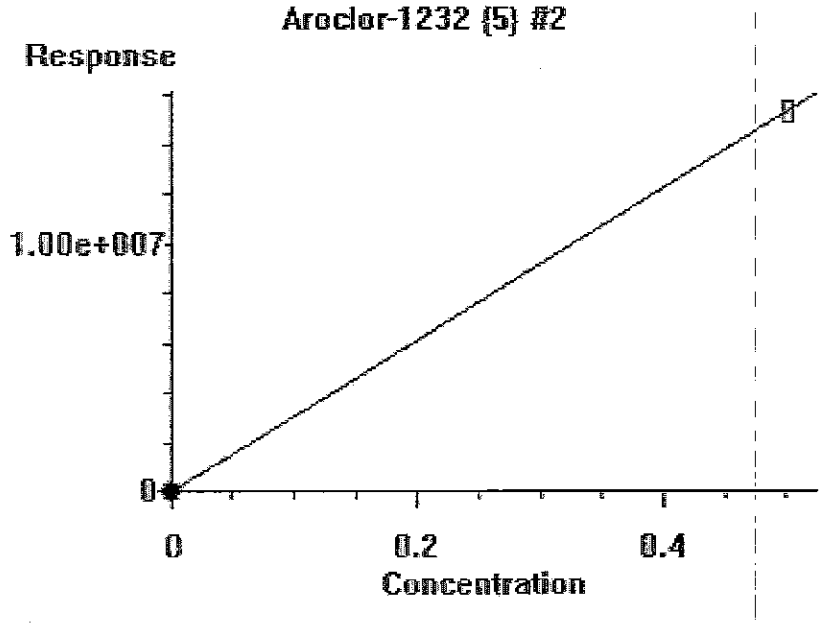
m/z | Relative Response: Rel

Target	TIC	100.00		
Q1	0.00	0.00	20.00	
Q2	0.00	0.00	20.00	
Q3	0.00	0.00	20.00	

Level	Concentration	Response
1		
2		
3	0.500000	15320950.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds - Compound 53 - Aroclor-1242 #2

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2
- Aroclor-1242 #2
- Aroclor-1242 (2) #2
- Aroclor-1242 (3) #2
- Aroclor-1242 (4) #2
- Aroclor-1242 (5) #2
- Aroclor-1248 #2
- Aroclor-1248 (2) #2
- Aroclor-1248 (3) #2
- Aroclor-1248 (4) #2
- Aroclor-1248 (5) #2
- Aroclor-1254 #2
- Aroclor-1254 (2) #2
- Aroclor-1254 (3) #2
- Aroclor-1254 (4) #2
- Aroclor-1254 (5) #2
- Aroclor-1260 #2
- Aroclor-1260 (2) #2
- Aroclor-1260 (3) #2
- Aroclor-1260 (4) #2
- Aroclor-1260 (5) #2
- Aroclor-1262 #2
- Aroclor-1262 (2) #2
- Aroclor-1262 (3) #2
- Aroclor-1262 (4) #2
- Aroclor-1262 (5) #2
- Aroclor-1268 #2
- Aroclor-1268 (2) #2
- Aroclor-1268 (3) #2
- Aroclor-1268 (4) #2
- Aroclor-1268 (5) #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1242 #2 | Concentration Units: ppm | Compound Type: L4

Signals to Be Used for Quantitation

Ret Time: 4.586 | RRT: 0.000

Extract signals from

- 0.030 + 0.050 | Min | %

This is 4.556 to 4.636 minutes

Quant signal: TIC | % Uncertainty

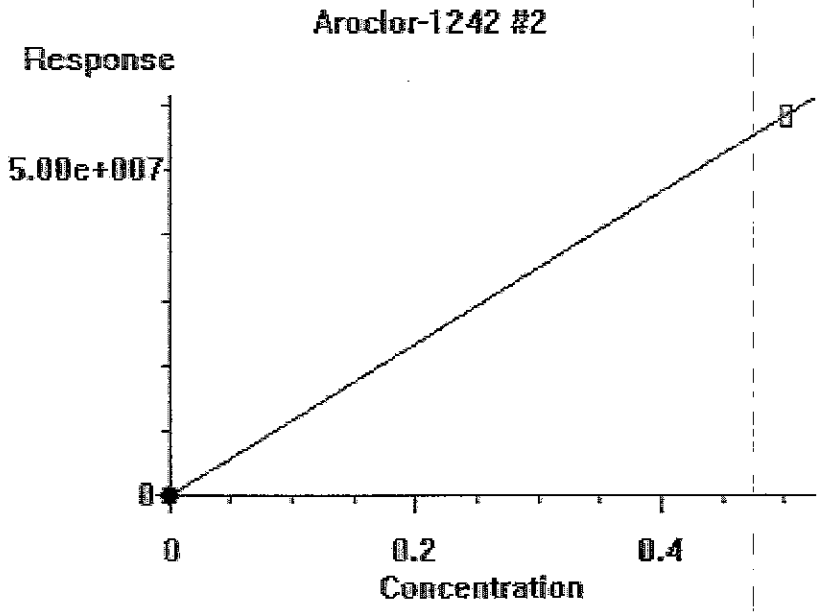
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	58240699.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2
- Aroclor-1242 #2
- Aroclor-1242 (2) #2
- Aroclor-1242 (3) #2
- Aroclor-1242 (4) #2
- Aroclor-1242 (5) #2
- Aroclor-1248 #2
- Aroclor-1248 (2) #2
- Aroclor-1248 (3) #2
- Aroclor-1248 (4) #2
- Aroclor-1248 (5) #2
- Aroclor-1254 #2
- Aroclor-1254 (2) #2
- Aroclor-1254 (3) #2
- Aroclor-1254 (4) #2
- Aroclor-1254 (5) #2
- Aroclor-1260 #2
- Aroclor-1260 (2) #2
- Aroclor-1260 (3) #2
- Aroclor-1260 (4) #2
- Aroclor-1260 (5) #2
- Aroclor-1262 #2
- Aroclor-1262 (2) #2
- Aroclor-1262 (3) #2
- Aroclor-1262 (4) #2
- Aroclor-1262 (5) #2
- Aroclor-1268 #2
- Aroclor-1268 (2) #2
- Aroclor-1268 (3) #2
- Aroclor-1268 (4) #2
- Aroclor-1268 (5) #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1242 (2) #2 | Concentration Units: ppm | Compound Type: L4

Signals to Be Used for Quantitation

Ret Time: 4.695 | RRT: 0.000

Extract signals from: - 0.030 + 0.030 (Min / %)

This is 4.665 to 4.725 minutes

Quant signal: TIC | % Uncertainty

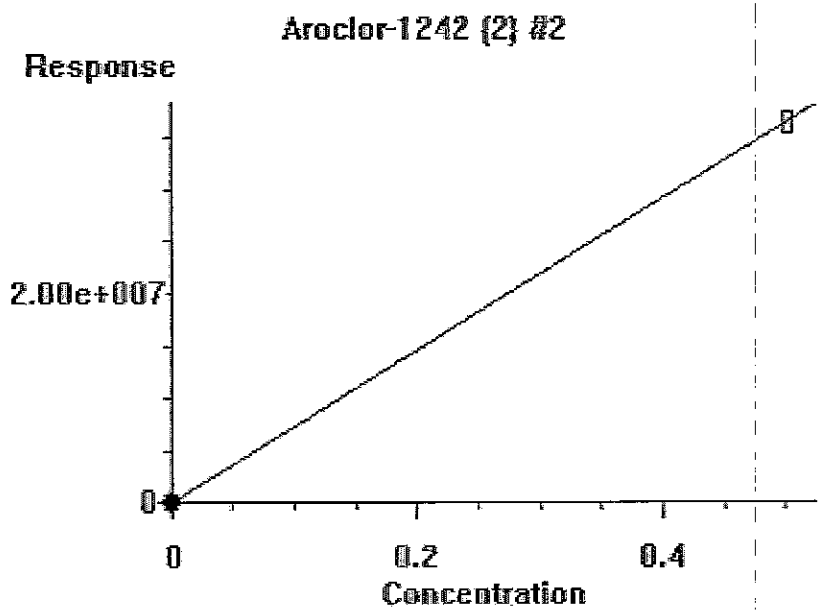
m/z | Relative Response: Rel

Target			
	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	36381148.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2
- Aroclor-1242 #2
- Aroclor-1242 (2) #2
- Aroclor-1242 (3) #2
- Aroclor-1242 (4) #2
- Aroclor-1242 (5) #2
- Aroclor-1248 #2
- Aroclor-1248 (2) #2
- Aroclor-1248 (3) #2
- Aroclor-1248 (4) #2
- Aroclor-1248 (5) #2
- Aroclor-1254 #2
- Aroclor-1254 (2) #2
- Aroclor-1254 (3) #2
- Aroclor-1254 (4) #2
- Aroclor-1254 (5) #2
- Aroclor-1260 #2
- Aroclor-1260 (2) #2
- Aroclor-1260 (3) #2
- Aroclor-1260 (4) #2
- Aroclor-1260 (5) #2
- Aroclor-1262 #2
- Aroclor-1262 (2) #2
- Aroclor-1262 (3) #2
- Aroclor-1262 (4) #2
- Aroclor-1262 (5) #2
- Aroclor-1268 #2
- Aroclor-1268 (2) #2
- Aroclor-1268 (3) #2
- Aroclor-1268 (4) #2
- Aroclor-1268 (5) #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1242 (3) #2 Concentration Units: ppm Compound Type: L4

Signals to Be Used for Quantitation

Ret Time: 5.072 RRT: 0.000

Extract signals from

- 0.030 + 0.030 (Min / %)

This is 5.042 to 5.102 minutes

Quant signal: TIC % Uncertainty

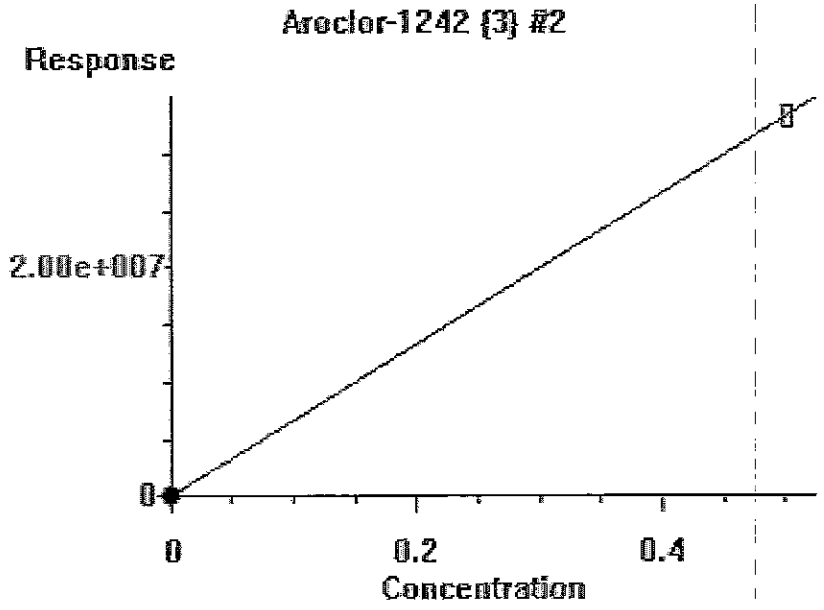
m/z Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	33273654.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds - Compound #8 - Aroclor-1242 {4} #2

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2
- Aroclor-1242 #2
- Aroclor-1242 {2} #2
- Aroclor-1242 {3} #2
- Aroclor-1242 {4} #2
- Aroclor-1242 {5} #2
- Aroclor-1248 #2
- Aroclor-1248 {2} #2
- Aroclor-1248 {3} #2
- Aroclor-1248 {4} #2
- Aroclor-1248 {5} #2
- Aroclor-1254 #2
- Aroclor-1254 {2} #2
- Aroclor-1254 {3} #2
- Aroclor-1254 {4} #2
- Aroclor-1254 {5} #2
- Aroclor-1260 #2
- Aroclor-1260 {2} #2
- Aroclor-1260 {3} #2
- Aroclor-1260 {4} #2
- Aroclor-1260 {5} #2
- Aroclor-1262 #2
- Aroclor-1262 {2} #2
- Aroclor-1262 {3} #2
- Aroclor-1262 {4} #2
- Aroclor-1262 {5} #2
- Aroclor-1268 #2
- Aroclor-1268 {2} #2
- Aroclor-1268 {3} #2
- Aroclor-1268 {4} #2
- Aroclor-1268 {5} #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1242 {4} #2 | Concentration Units: ppm | Compound Type: L4

Signals to Be Used for Quantitation

Ret Time: 5.405 | RRT: 0.000

Extract signals from

- 0.030 + 0.030 | Min | %

This is 5.375 to 5.435 minutes

Quant signal: TIC | % Uncertainty

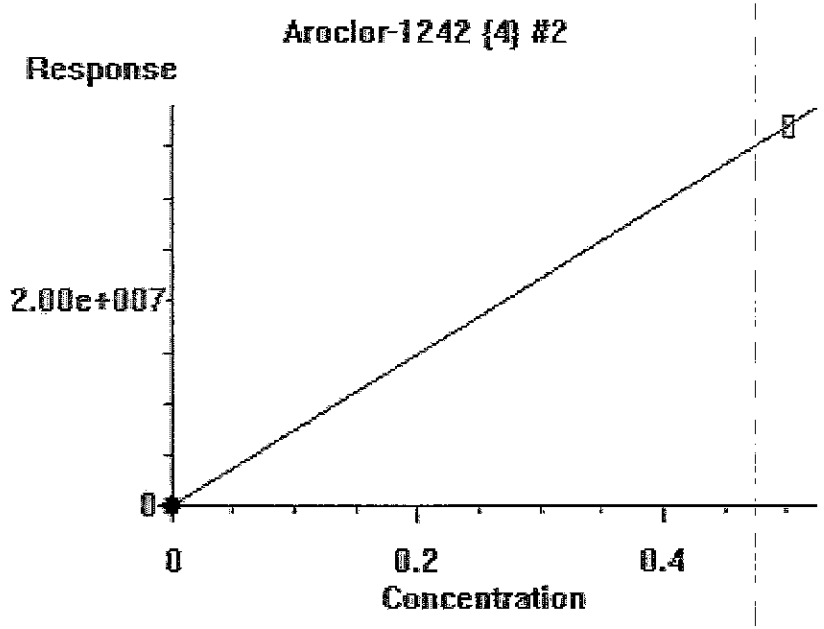
m/z | Relative Response: Rel

Target			
TIC	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	36947679.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2
- Aroclor-1242 #2
- Aroclor-1242 {2} #2
- Aroclor-1242 {3} #2
- Aroclor-1242 {4} #2
- Aroclor-1242 {5} #2
- Aroclor-1248 #2
- Aroclor-1248 {2} #2
- Aroclor-1248 {3} #2
- Aroclor-1248 {4} #2
- Aroclor-1248 {5} #2
- Aroclor-1254 #2
- Aroclor-1254 {2} #2
- Aroclor-1254 {3} #2
- Aroclor-1254 {4} #2
- Aroclor-1254 {5} #2
- Aroclor-1260 #2
- Aroclor-1260 {2} #2
- Aroclor-1260 {3} #2
- Aroclor-1260 {4} #2
- Aroclor-1260 {5} #2
- Aroclor-1262 #2
- Aroclor-1262 {2} #2
- Aroclor-1262 {3} #2
- Aroclor-1262 {4} #2
- Aroclor-1262 {5} #2
- Aroclor-1268 #2
- Aroclor-1268 {2} #2
- Aroclor-1268 {3} #2
- Aroclor-1268 {4} #2
- Aroclor-1268 {5} #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1242 {5} #2 Concentration Units: ppm Compound Type: L4

Signals to Be Used for Quantitation

Ret Time: 5.904 RRT: 0.000

Extract signals from

- 0.030 + 0.030 (Min / %)

This is 5.874 to 5.934 minutes

Quant signal: TIC % Uncertainty

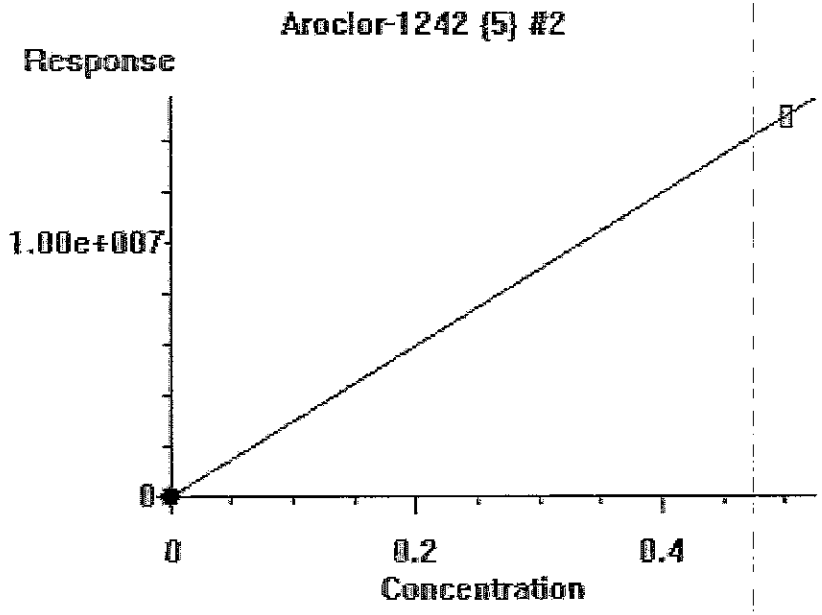
m/z Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	14887814.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound 5 -- Aroclor-1248 #2

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2
- Aroclor-1242 #2
- Aroclor-1242 (2) #2
- Aroclor-1242 (3) #2
- Aroclor-1242 (4) #2
- Aroclor-1242 (5) #2
- Aroclor-1248 #2
- Aroclor-1248 (2) #2
- Aroclor-1248 (3) #2
- Aroclor-1248 (4) #2
- Aroclor-1248 (5) #2
- Aroclor-1254 #2
- Aroclor-1254 (2) #2
- Aroclor-1254 (3) #2
- Aroclor-1254 (4) #2
- Aroclor-1254 (5) #2
- Aroclor-1260 #2
- Aroclor-1260 (2) #2
- Aroclor-1260 (3) #2
- Aroclor-1260 (4) #2
- Aroclor-1260 (5) #2
- Aroclor-1262 #2
- Aroclor-1262 (2) #2
- Aroclor-1262 (3) #2
- Aroclor-1262 (4) #2
- Aroclor-1262 (5) #2
- Aroclor-1268 #2
- Aroclor-1268 (2) #2
- Aroclor-1268 (3) #2
- Aroclor-1268 (4) #2
- Aroclor-1268 (5) #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1248 #2 | Concentration Units: ppm | Compound Type: L5

Signals to Be Used for Quantitation

Ret Time: 4.585 | RRT: 0.000

Extract signals from

- 0.030 + 0.030 (Min / %)

This is 4.555 to 4.615 minutes

Quant signal: TIC | % Uncertainty

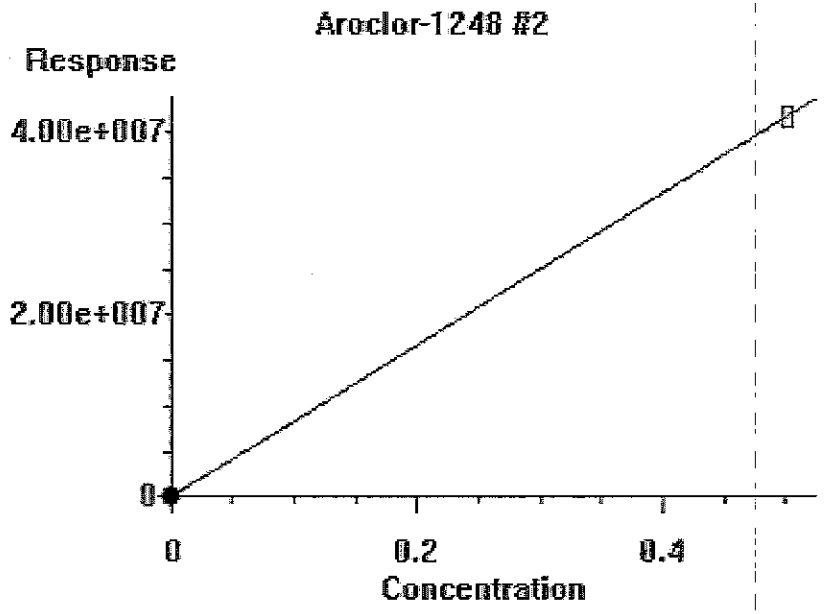
m/z | Relative Response: Rel

Target			
TIC	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	41647648.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound=1 -- Aroclor-1248 {2} #2

Search by: Ret Time Name Index Find Compound

- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2
- Aroclor-1242 #2
- Aroclor-1242 {2} #2
- Aroclor-1242 {3} #2
- Aroclor-1242 {4} #2
- Aroclor-1242 {5} #2
- Aroclor-1248 #2
- **Aroclor-1248 {2} #2**
- Aroclor-1248 {3} #2
- Aroclor-1248 {4} #2
- Aroclor-1248 {5} #2
- Aroclor-1254 #2
- Aroclor-1254 {2} #2
- Aroclor-1254 {3} #2
- Aroclor-1254 {4} #2
- Aroclor-1254 {5} #2
- Aroclor-1260 #2
- Aroclor-1260 {2} #2
- Aroclor-1260 {3} #2
- Aroclor-1260 {4} #2
- Aroclor-1260 {5} #2
- Aroclor-1262 #2
- Aroclor-1262 {2} #2
- Aroclor-1262 {3} #2
- Aroclor-1262 {4} #2
- Aroclor-1262 {5} #2
- Aroclor-1268 #2
- Aroclor-1268 {2} #2
- Aroclor-1268 {3} #2
- Aroclor-1268 {4} #2
- Aroclor-1268 {5} #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1248 {2} #2 Concentration Units: ppm Compound Type: L5

Signals to Be Used for Quantitation

Ret Time: 5.072 RRT: 0.000

Extract signals from

- 0.030 + 0.030 Min %

This is 5.042 to 5.102 minutes

Quant signal: TIC % Uncertainty

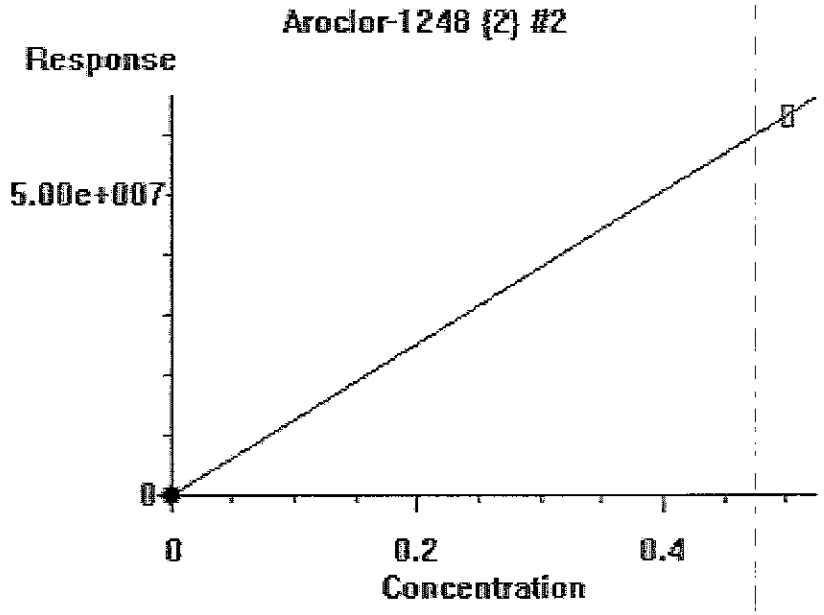
m/z Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	63114572.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK Cancel Help Print Calibration Curve Copy Calibration Curve

631

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2
- Aroclor-1242 #2
- Aroclor-1242 {2} #2
- Aroclor-1242 {3} #2
- Aroclor-1242 {4} #2
- Aroclor-1242 {5} #2
- Aroclor-1248 #2
- Aroclor-1248 {2} #2
- Aroclor-1248 {3} #2
- Aroclor-1248 {4} #2
- Aroclor-1248 {5} #2
- Aroclor-1254 #2
- Aroclor-1254 {2} #2
- Aroclor-1254 {3} #2
- Aroclor-1254 {4} #2
- Aroclor-1254 {5} #2
- Aroclor-1260 #2
- Aroclor-1260 {2} #2
- Aroclor-1260 {3} #2
- Aroclor-1260 {4} #2
- Aroclor-1260 {5} #2
- Aroclor-1262 #2
- Aroclor-1262 {2} #2
- Aroclor-1262 {3} #2
- Aroclor-1262 {4} #2
- Aroclor-1262 {5} #2
- Aroclor-1268 #2
- Aroclor-1268 {2} #2
- Aroclor-1268 {3} #2
- Aroclor-1268 {4} #2
- Aroclor-1268 {5} #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1248 {3} #2 | Concentration Units: ppm | Compound Type: L5

Signals to Be Used for Quantitation

Ret Time: 5.405 | RRT: 0.000

Extract signals from - 0.030 + 0.030 (Min / %)

This is 5.375 to 5.435 minutes

Quant signal: TIC | % Uncertainty

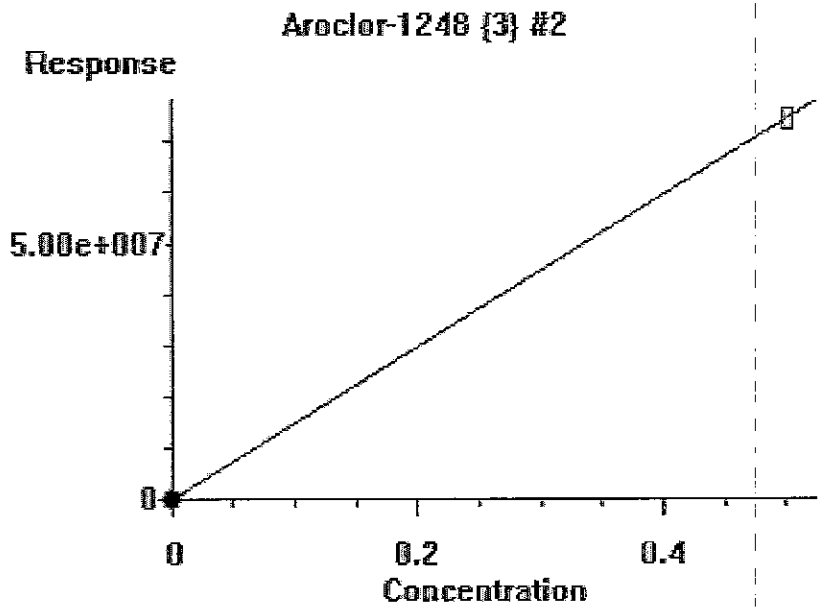
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	74257699.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds - Compound=73 - Aroclor-1248 (4) #2

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2
- Aroclor-1242 #2
- Aroclor-1242 (2) #2
- Aroclor-1242 (3) #2
- Aroclor-1242 (4) #2
- Aroclor-1242 (5) #2
- Aroclor-1248 #2
- Aroclor-1248 (2) #2
- Aroclor-1248 (3) #2
- **Aroclor-1248 (4) #2**
- Aroclor-1248 (5) #2
- Aroclor-1254 #2
- Aroclor-1254 (2) #2
- Aroclor-1254 (3) #2
- Aroclor-1254 (4) #2
- Aroclor-1254 (5) #2
- Aroclor-1260 #2
- Aroclor-1260 (2) #2
- Aroclor-1260 (3) #2
- Aroclor-1260 (4) #2
- Aroclor-1260 (5) #2
- Aroclor-1262 #2
- Aroclor-1262 (2) #2
- Aroclor-1262 (3) #2
- Aroclor-1262 (4) #2
- Aroclor-1262 (5) #2
- Aroclor-1268 #2
- Aroclor-1268 (2) #2
- Aroclor-1268 (3) #2
- Aroclor-1268 (4) #2
- Aroclor-1268 (5) #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1248 (4) #2 | Concentration Units: ppm | Compound Type: L5

Signals to Be Used for Quantitation

Ret Time: 5.586 | RRT: 0.000

Extract signals from

- 0.030 + 0.030 | Min | %

This is 5.556 to 5.616 minutes

Quant signal: TIC | % Uncertainty

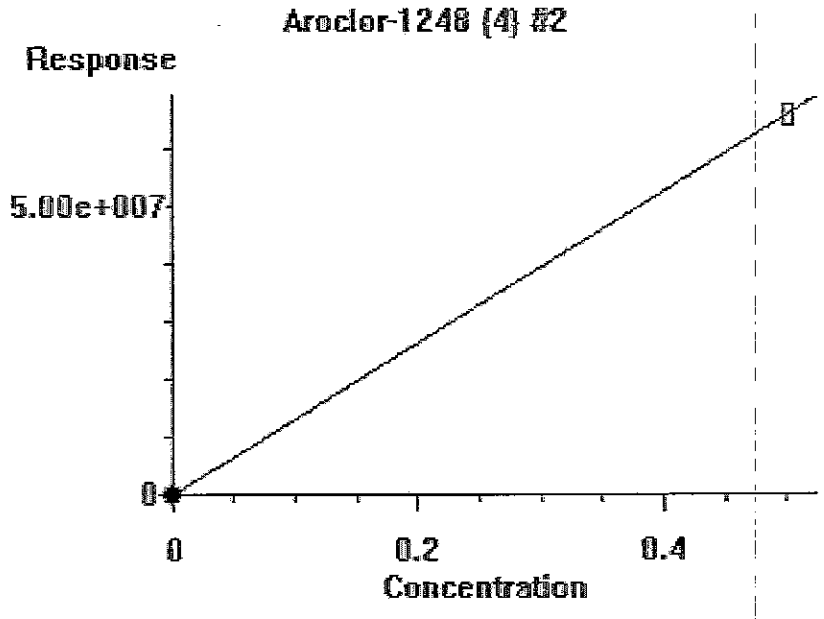
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	65718068.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2
- Aroclor-1242 #2
- Aroclor-1242 (2) #2
- Aroclor-1242 (3) #2
- Aroclor-1242 (4) #2
- Aroclor-1242 (5) #2
- Aroclor-1248 #2
- Aroclor-1248 (2) #2
- Aroclor-1248 (3) #2
- Aroclor-1248 (4) #2
- Aroclor-1248 (5) #2
- Aroclor-1254 #2
- Aroclor-1254 (2) #2
- Aroclor-1254 (3) #2
- Aroclor-1254 (4) #2
- Aroclor-1254 (5) #2
- Aroclor-1260 #2
- Aroclor-1260 (2) #2
- Aroclor-1260 (3) #2
- Aroclor-1260 (4) #2
- Aroclor-1260 (5) #2
- Aroclor-1262 #2
- Aroclor-1262 (2) #2
- Aroclor-1262 (3) #2
- Aroclor-1262 (4) #2
- Aroclor-1262 (5) #2
- Aroclor-1268 #2
- Aroclor-1268 (2) #2
- Aroclor-1268 (3) #2
- Aroclor-1268 (4) #2
- Aroclor-1268 (5) #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1248 (5) #2 | Concentration Units: ppm | Compound Type: L5

Signals to Be Used for Quantitation

Ret Time: 5.904 | RRT: 0.000

Extract signals from: - 0.030 + 0.030 (Min / %)

This is 5.874 to 5.934 minutes

Quant signal: TIC | % Uncertainty

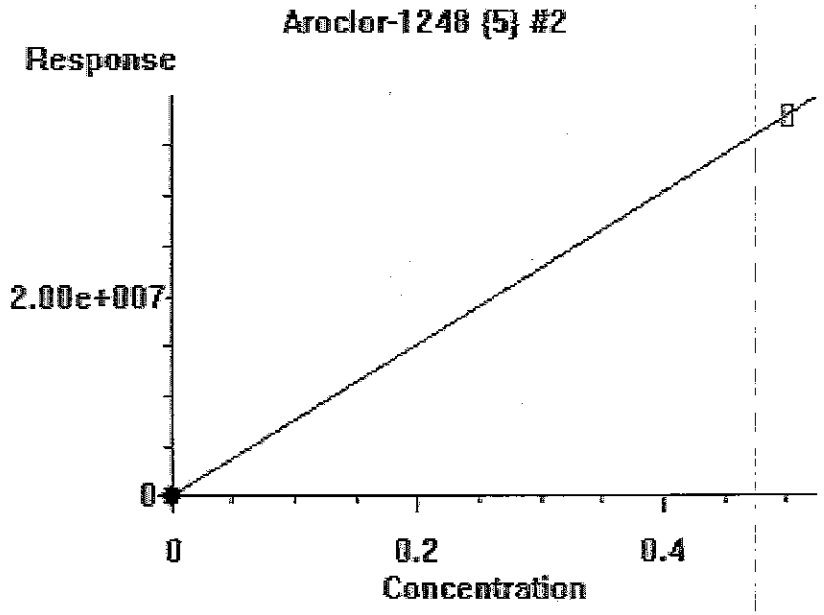
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	37890662.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds - Compound #75 - Aroclor-1254 #2

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2
- Aroclor-1242 #2
- Aroclor-1242 (2) #2
- Aroclor-1242 (3) #2
- Aroclor-1242 (4) #2
- Aroclor-1242 (5) #2
- Aroclor-1248 #2
- Aroclor-1248 (2) #2
- Aroclor-1248 (3) #2
- Aroclor-1248 (4) #2
- Aroclor-1248 (5) #2
- **Aroclor-1254 #2**
- Aroclor-1254 (2) #2
- Aroclor-1254 (3) #2
- Aroclor-1254 (4) #2
- Aroclor-1254 (5) #2
- Aroclor-1260 #2
- Aroclor-1260 (2) #2
- Aroclor-1260 (3) #2
- Aroclor-1260 (4) #2
- Aroclor-1260 (5) #2
- Aroclor-1262 #2
- Aroclor-1262 (2) #2
- Aroclor-1262 (3) #2
- Aroclor-1262 (4) #2
- Aroclor-1262 (5) #2
- Aroclor-1268 #2
- Aroclor-1268 (2) #2
- Aroclor-1268 (3) #2
- Aroclor-1268 (4) #2
- Aroclor-1268 (5) #2
- DC8 #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1254 #2 | Concentration Units: ppm | Compound Type: L6

Signals to Be Used for Quantitation

Ret Time: 5.402 | RRT: 0.000

Extract signals from

- 0.030 + 0.050 (Min / %)

This is 5.372 to 5.452 minutes

Quant signal: TIC | % Uncertainty

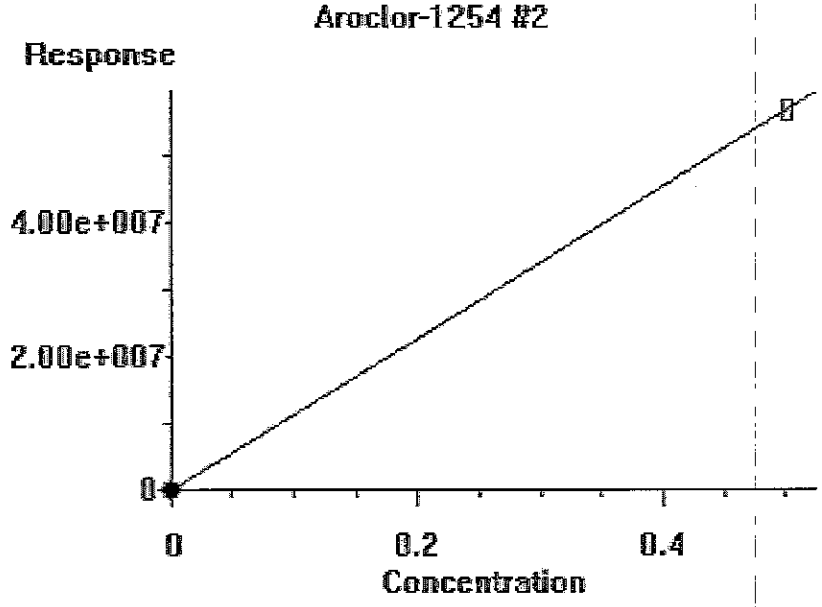
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	56523811.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Largest area/height
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2
- Aroclor-1242 #2
- Aroclor-1242 {2} #2
- Aroclor-1242 {3} #2
- Aroclor-1242 {4} #2
- Aroclor-1242 {5} #2
- Aroclor-1248 #2
- Aroclor-1248 {2} #2
- Aroclor-1248 {3} #2
- Aroclor-1248 {4} #2
- Aroclor-1248 {5} #2
- Aroclor-1254 #2
- Aroclor-1254 {2} #2
- Aroclor-1254 {3} #2
- Aroclor-1254 {4} #2
- Aroclor-1254 {5} #2
- Aroclor-1260 #2
- Aroclor-1260 {2} #2
- Aroclor-1260 {3} #2
- Aroclor-1260 {4} #2
- Aroclor-1260 {5} #2
- Aroclor-1262 #2
- Aroclor-1262 {2} #2
- Aroclor-1262 {3} #2
- Aroclor-1262 {4} #2
- Aroclor-1262 {5} #2
- Aroclor-1268 #2
- Aroclor-1268 {2} #2
- Aroclor-1268 {3} #2
- Aroclor-1268 {4} #2
- Aroclor-1268 {5} #2
- DC8 #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1254 {2} #2 | Concentration Units: ppm | Compound Type: L6

Signals to Be Used for Quantitation

Ret Time: 5.545 | RRT: 0.000

Extract signals from

- 0.030 + 0.050 (Min / %)

This is 5.515 to 5.595 minutes

Quant signal: TIC | % Uncertainty

m/z | Relative Response: Rel

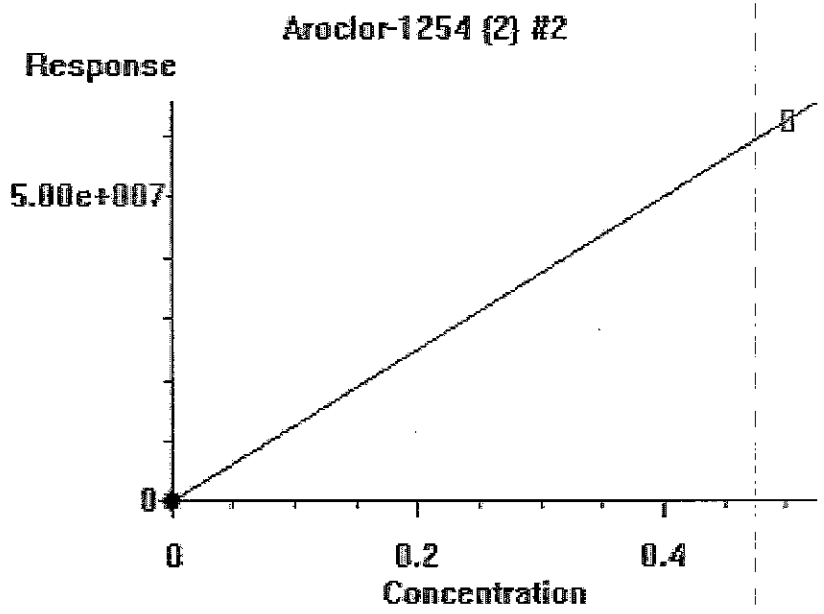
Target: TIC 100.00

Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	62240201.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Largest area/height
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2
- Aroclor-1242 #2
- Aroclor-1242 {2} #2
- Aroclor-1242 {3} #2
- Aroclor-1242 {4} #2
- Aroclor-1242 {5} #2
- Aroclor-1248 #2
- Aroclor-1248 {2} #2
- Aroclor-1248 {3} #2
- Aroclor-1248 {4} #2
- Aroclor-1248 {5} #2
- Aroclor-1254 #2
- Aroclor-1254 {2} #2
- Aroclor-1254 {3} #2
- Aroclor-1254 {4} #2
- Aroclor-1254 {5} #2
- Aroclor-1260 #2
- Aroclor-1260 {2} #2
- Aroclor-1260 {3} #2
- Aroclor-1260 {4} #2
- Aroclor-1260 {5} #2
- Aroclor-1262 #2
- Aroclor-1262 {2} #2
- Aroclor-1262 {3} #2
- Aroclor-1262 {4} #2
- Aroclor-1262 {5} #2
- Aroclor-1268 #2
- Aroclor-1268 {2} #2
- Aroclor-1268 {3} #2
- Aroclor-1268 {4} #2
- Aroclor-1268 {5} #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1254 {3} #2 | Concentration Units: ppm | Compound Type: L6

Signals to Be Used for Quantitation

Ret Time: 5.904 | RRT: 0.000

Extract signals from

- 0.030 + 0.050 (Min / %)

This is 5.874 to 5.954 minutes

Quant signal: TIC | % Uncertainty

m/z | Relative Response: Rel

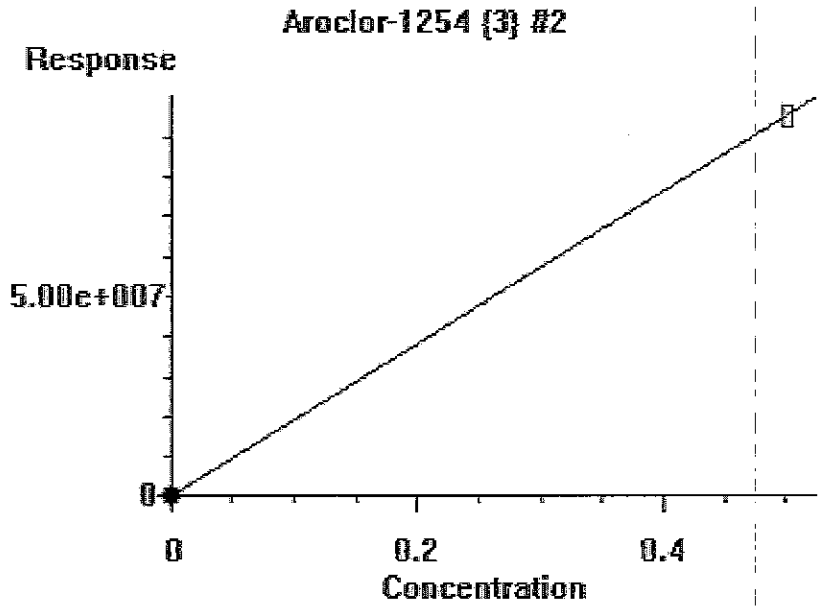
Target

TIC		100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	95149374.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Largest area/height
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds - Compound 42 - Aroclor-1254 {4} #2

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2
- Aroclor-1242 #2
- Aroclor-1242 {2} #2
- Aroclor-1242 {3} #2
- Aroclor-1242 {4} #2
- Aroclor-1242 {5} #2
- Aroclor-1248 #2
- Aroclor-1248 {2} #2
- Aroclor-1248 {3} #2
- Aroclor-1248 {4} #2
- Aroclor-1248 {5} #2
- Aroclor-1254 #2
- Aroclor-1254 {2} #2
- Aroclor-1254 {3} #2
- Aroclor-1254 {4} #2
- Aroclor-1254 {5} #2
- Aroclor-1260 #2
- Aroclor-1260 {2} #2
- Aroclor-1260 {3} #2
- Aroclor-1260 {4} #2
- Aroclor-1260 {5} #2
- Aroclor-1262 #2
- Aroclor-1262 {2} #2
- Aroclor-1262 {3} #2
- Aroclor-1262 {4} #2
- Aroclor-1262 {5} #2
- Aroclor-1268 #2
- Aroclor-1268 {2} #2
- Aroclor-1268 {3} #2
- Aroclor-1268 {4} #2
- Aroclor-1268 {5} #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1254 {4} #2 | Concentration Units: ppm | Compound Type: L6

Signals to Be Used for Quantitation

Ret Time: 6.072 | RRT: 0.000

Extract signals from

- 0.030 + 0.050 | Min | %

This is 6.042 to 6.122 minutes

Quant signal: TIC | % Uncertainty

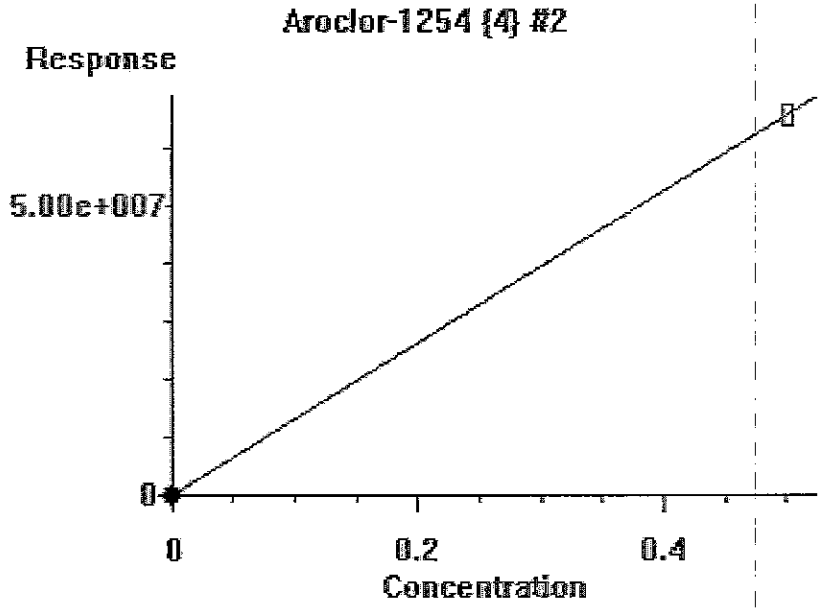
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	65580682.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Largest area/height
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2
- Aroclor-1242 #2
- Aroclor-1242 (2) #2
- Aroclor-1242 (3) #2
- Aroclor-1242 (4) #2
- Aroclor-1242 (5) #2
- Aroclor-1248 #2
- Aroclor-1248 (2) #2
- Aroclor-1248 (3) #2
- Aroclor-1248 (4) #2
- Aroclor-1248 (5) #2
- Aroclor-1254 #2
- Aroclor-1254 (2) #2
- Aroclor-1254 (3) #2
- Aroclor-1254 (4) #2
- **Aroclor-1254 (5) #2**
- Aroclor-1260 #2
- Aroclor-1260 (2) #2
- Aroclor-1260 (3) #2
- Aroclor-1260 (4) #2
- Aroclor-1260 (5) #2
- Aroclor-1262 #2
- Aroclor-1262 (2) #2
- Aroclor-1262 (3) #2
- Aroclor-1262 (4) #2
- Aroclor-1262 (5) #2
- Aroclor-1268 #2
- Aroclor-1268 (2) #2
- Aroclor-1268 (3) #2
- Aroclor-1268 (4) #2
- Aroclor-1268 (5) #2
- DC8 #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1254 (5) #2 | Concentration Units: ppm | Compound Type: L6

Signals to Be Used for Quantitation

Ret Time: 6.460 | RRT: 0.000

Extract signals from

- 0.030 + 0.050 | Min | %

This is 6.450 to 6.530 minutes

Quant signal: TIC | % Uncertainty

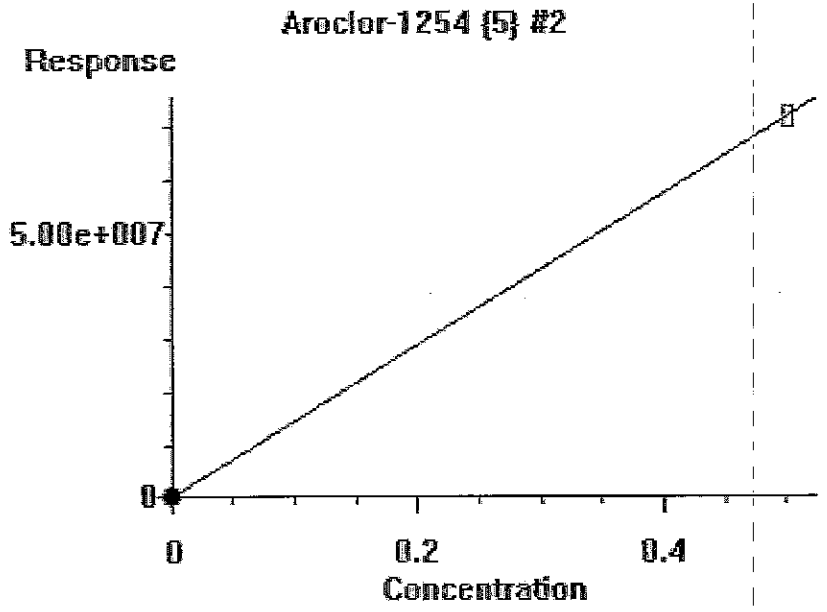
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	71843094.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Largest area/height
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound #2 -- Aroclor-1260 #2

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2
- Aroclor-1242 #2
- Aroclor-1242 (2) #2
- Aroclor-1242 (3) #2
- Aroclor-1242 (4) #2
- Aroclor-1242 (5) #2
- Aroclor-1248 #2
- Aroclor-1248 (2) #2
- Aroclor-1248 (3) #2
- Aroclor-1248 (4) #2
- Aroclor-1248 (5) #2
- Aroclor-1254 #2
- Aroclor-1254 (2) #2
- Aroclor-1254 (3) #2
- Aroclor-1254 (4) #2
- Aroclor-1254 (5) #2
- **Aroclor-1260 #2**
- Aroclor-1260 (2) #2
- Aroclor-1260 (3) #2
- Aroclor-1260 (4) #2
- Aroclor-1260 (5) #2
- Aroclor-1262 #2
- Aroclor-1262 (2) #2
- Aroclor-1262 (3) #2
- Aroclor-1262 (4) #2
- Aroclor-1262 (5) #2
- Aroclor-1268 #2
- Aroclor-1268 (2) #2
- Aroclor-1268 (3) #2
- Aroclor-1268 (4) #2
- Aroclor-1268 (5) #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1260 #2 | Concentration Units: ppm | Compound Type: L7

Signals to Be Used for Quantitation

Ret Time: 6.051 | RRT: 0.000

Extract signals from

- 0.050 + 0.090 (Min / %)

This is 6.001 to 6.141 minutes

Quant signal: TIC | % Uncertainty

m/z | Relative Response: Rel

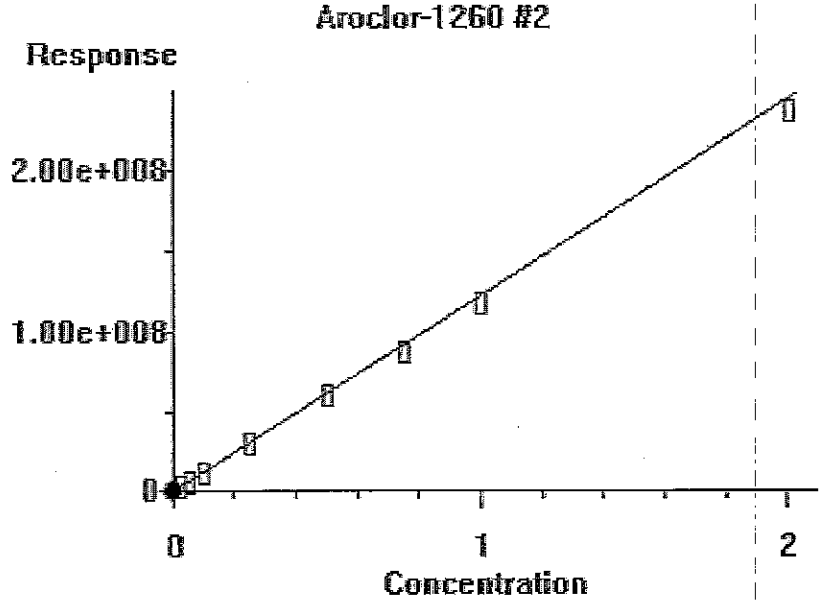
Target: TIC 100.00

Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	0.020000	2718359.257039
2	0.050000	6374650.152178
3	0.100000	12143036.563933
4	0.250000	30784578.887715
5	0.500000	59649949.14826
6	0.750000	87111704.251926
7	1.000000	117201441.7837
8	2.000000	236485102.9510

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Largest area/height
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse square of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

640

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2
- Aroclor-1242 #2
- Aroclor-1242 (2) #2
- Aroclor-1242 (3) #2
- Aroclor-1242 (4) #2
- Aroclor-1242 (5) #2
- Aroclor-1248 #2
- Aroclor-1248 (2) #2
- Aroclor-1248 (3) #2
- Aroclor-1248 (4) #2
- Aroclor-1248 (5) #2
- Aroclor-1254 #2
- Aroclor-1254 (2) #2
- Aroclor-1254 (3) #2
- Aroclor-1254 (4) #2
- Aroclor-1254 (5) #2
- Aroclor-1260 #2
- **Aroclor-1260 (2) #2**
- Aroclor-1260 (3) #2
- Aroclor-1260 (4) #2
- Aroclor-1260 (5) #2
- Aroclor-1262 #2
- Aroclor-1262 (2) #2
- Aroclor-1262 (3) #2
- Aroclor-1262 (4) #2
- Aroclor-1262 (5) #2
- Aroclor-1268 #2
- Aroclor-1268 (2) #2
- Aroclor-1268 (3) #2
- Aroclor-1268 (4) #2
- Aroclor-1268 (5) #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1260 (2) #2 | Concentration Units: ppm | Compound Type: L7

Signals to Be Used for Quantitation

Ret Time: 6.202 | RRT: 0.000

Extract signals from

- 0.030 + 0.090 | Min | %

This is 6.172 to 6.292 minutes

Quant signal: TIC | % Uncertainty

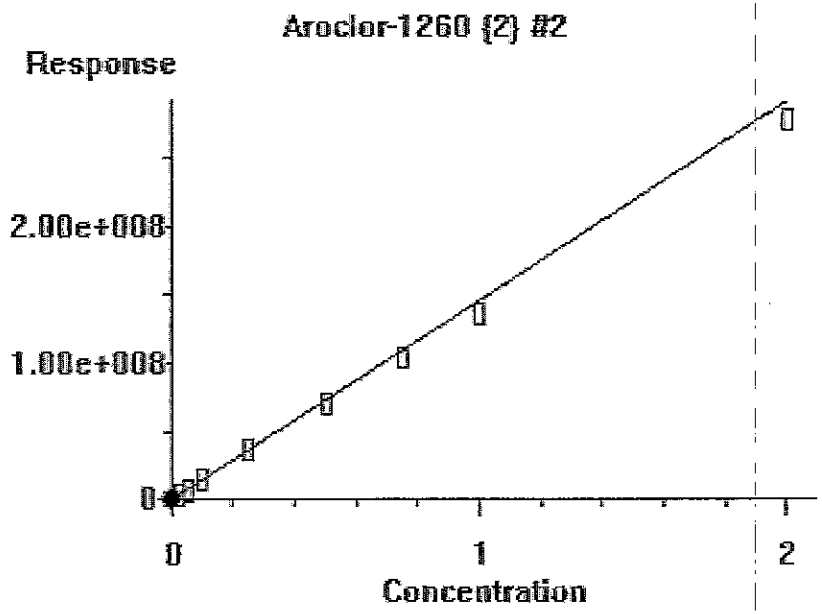
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	0.020000	3373973.757103
2	0.050000	7540764.031311
3	0.100000	14317324.330833
4	0.250000	36829151.413709
5	0.500000	70903858.83454
6	0.750000	104316283.75675
7	1.000000	135531136.19827
8	2.000000	277293318.01445

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Largest area/height
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

641

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2
- Aroclor-1242 #2
- Aroclor-1242 (2) #2
- Aroclor-1242 (3) #2
- Aroclor-1242 (4) #2
- Aroclor-1242 (5) #2
- Aroclor-1248 #2
- Aroclor-1248 (2) #2
- Aroclor-1248 (3) #2
- Aroclor-1248 (4) #2
- Aroclor-1248 (5) #2
- Aroclor-1254 #2
- Aroclor-1254 (2) #2
- Aroclor-1254 (3) #2
- Aroclor-1254 (4) #2
- Aroclor-1254 (5) #2
- Aroclor-1260 #2
- Aroclor-1260 (2) #2
- **Aroclor-1260 (3) #2**
- Aroclor-1260 (4) #2
- Aroclor-1260 (5) #2
- Aroclor-1262 #2
- Aroclor-1262 (2) #2
- Aroclor-1262 (3) #2
- Aroclor-1262 (4) #2
- Aroclor-1262 (5) #2
- Aroclor-1268 #2
- Aroclor-1268 (2) #2
- Aroclor-1268 (3) #2
- Aroclor-1268 (4) #2
- Aroclor-1268 (5) #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1260 (3) #2 | Concentration Units: ppm | Compound Type: L7

Signals to Be Used for Quantitation

Ret Time: 6.479 | RRT: 0.000

Extract signals from

- 0.030 + 0.090 | Min | %

This is 6.449 to 6.569 minutes

Quant signal: TIC | % Uncertainty

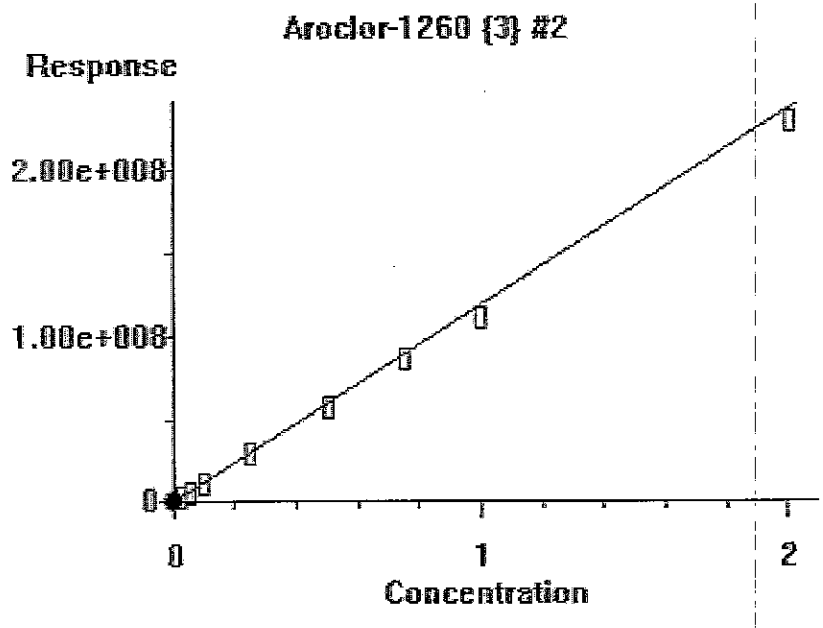
m/z | Relative Response: Rel

Target			
	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Largest area/height
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting

Level	Concentration	Response
1	0.020000	2745327.059672
2	0.050000	6008524.293894
3	0.100000	11512437.79709
4	0.250000	29857989.85703
5	0.500000	56969235.07058
6	0.750000	86451537.568545
7	1.000000	112090116.9892
8	2.000000	229886588.3635



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2
- Aroclor-1242 #2
- Aroclor-1242 {2} #2
- Aroclor-1242 {3} #2
- Aroclor-1242 {4} #2
- Aroclor-1242 {5} #2
- Aroclor-1248 #2
- Aroclor-1248 {2} #2
- Aroclor-1248 {3} #2
- Aroclor-1248 {4} #2
- Aroclor-1248 {5} #2
- Aroclor-1254 #2
- Aroclor-1254 {2} #2
- Aroclor-1254 {3} #2
- Aroclor-1254 {4} #2
- Aroclor-1254 {5} #2
- Aroclor-1260 #2
- Aroclor-1260 {2} #2
- Aroclor-1260 {3} #2
- Aroclor-1260 {4} #2
- Aroclor-1260 {5} #2
- Aroclor-1262 #2
- Aroclor-1262 {2} #2
- Aroclor-1262 {3} #2
- Aroclor-1262 {4} #2
- Aroclor-1262 {5} #2
- Aroclor-1268 #2
- Aroclor-1268 {2} #2
- Aroclor-1268 {3} #2
- Aroclor-1268 {4} #2
- Aroclor-1268 {5} #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1260 {4} #2 | Concentration Units: ppm | Compound Type: L7

Signals to Be Used for Quantitation

Ret Time: 6.949 | RRT: 0.000

Extract signals from: - 0.030 + 0.050 (Min / %)

This is 6.919 to 6.999 minutes

Quant signal: TIC | % Uncertainty

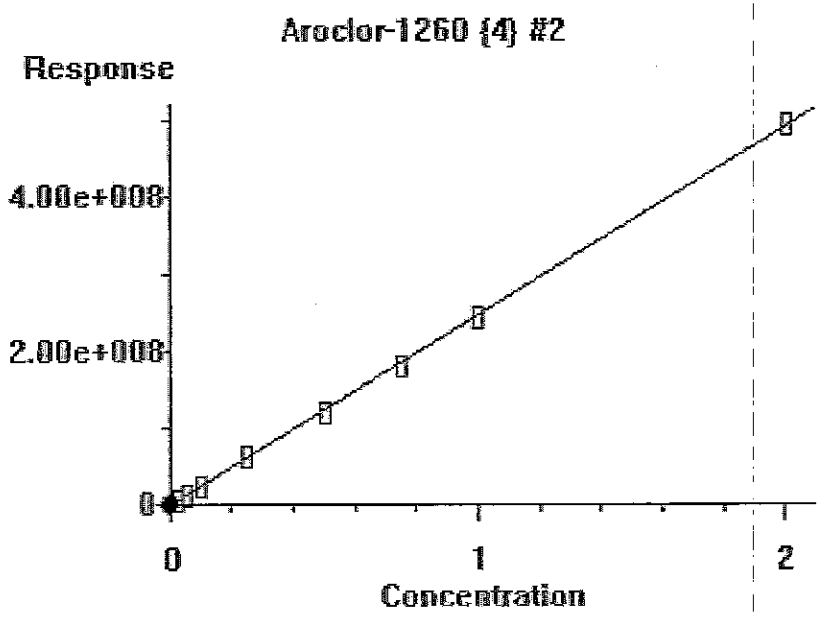
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Largest area/height
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting

Level	Concentration	Response
1	0.020000	5294154.165705
2	0.050000	12330593.116103
3	0.100000	24125443.817999
4	0.250000	61738794.246362
5	0.500000	119974780.74383
6	0.750000	180178715.03326
7	1.000000	244796499.69693
8	2.000000	495424243.96593



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds - Compound #84 - Aroclor-1260 {5} #2

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2
- Aroclor-1242 #2
- Aroclor-1242 {2} #2
- Aroclor-1242 {3} #2
- Aroclor-1242 {4} #2
- Aroclor-1242 {5} #2
- Aroclor-1248 #2
- Aroclor-1248 {2} #2
- Aroclor-1248 {3} #2
- Aroclor-1248 {4} #2
- Aroclor-1248 {5} #2
- Aroclor-1254 #2
- Aroclor-1254 {2} #2
- Aroclor-1254 {3} #2
- Aroclor-1254 {4} #2
- Aroclor-1254 {5} #2
- Aroclor-1260 #2
- Aroclor-1260 {2} #2
- Aroclor-1260 {3} #2
- Aroclor-1260 {4} #2
- Aroclor-1260 {5} #2
- Aroclor-1262 #2
- Aroclor-1262 {2} #2
- Aroclor-1262 {3} #2
- Aroclor-1262 {4} #2
- Aroclor-1262 {5} #2
- Aroclor-1268 #2
- Aroclor-1268 {2} #2
- Aroclor-1268 {3} #2
- Aroclor-1268 {4} #2
- Aroclor-1268 {5} #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1260 {5} #2 | Concentration Units: ppm | Compound Type: L7

Signals to Be Used for Quantitation

Ret Time: 7.246 | RRT: 0.000

Extract signals from

- 0.040 + 0.050 | Min | %

This is 7.206 to 7.296 minutes

Quant signal: TIC | % Uncertainty

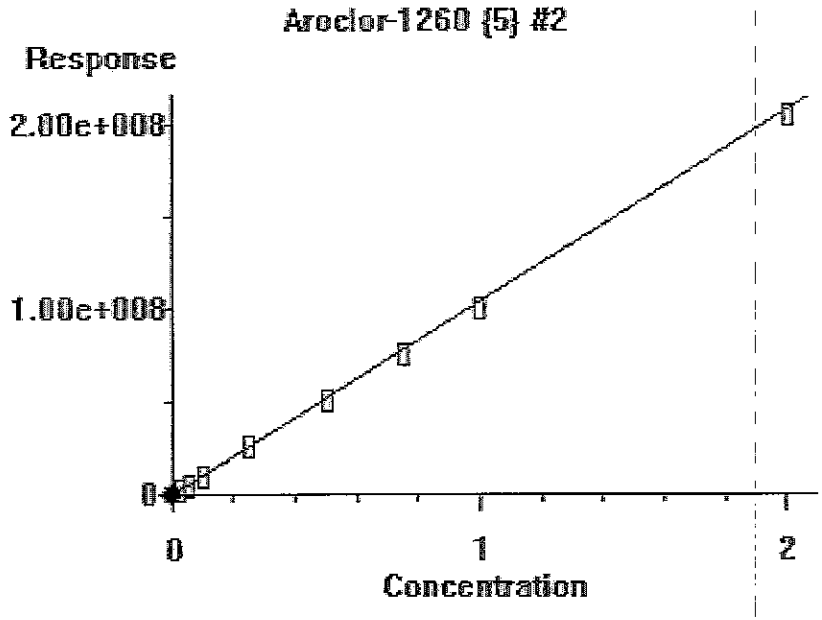
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Largest area/height
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc

Level	Concentration	Response
1	0.020000	2291971.872060
2	0.050000	5231049.895078
3	0.100000	10113307.654385
4	0.250000	26363356.20037
5	0.500000	50746497.73173
6	0.750000	76163141.10014
7	1.000000	100413136.4378
8	2.000000	204823008.1091



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds - Compound #8 - Aroclor-1262 #2

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2
- Aroclor-1242 #2
- Aroclor-1242 (2) #2
- Aroclor-1242 (3) #2
- Aroclor-1242 (4) #2
- Aroclor-1242 (5) #2
- Aroclor-1248 #2
- Aroclor-1248 (2) #2
- Aroclor-1248 (3) #2
- Aroclor-1248 (4) #2
- Aroclor-1248 (5) #2
- Aroclor-1254 #2
- Aroclor-1254 (2) #2
- Aroclor-1254 (3) #2
- Aroclor-1254 (4) #2
- Aroclor-1254 (5) #2
- Aroclor-1260 #2
- Aroclor-1260 (2) #2
- Aroclor-1260 (3) #2
- Aroclor-1260 (4) #2
- Aroclor-1260 (5) #2
- **Aroclor-1262 #2**
- Aroclor-1262 (2) #2
- Aroclor-1262 (3) #2
- Aroclor-1262 (4) #2
- Aroclor-1262 (5) #2
- Aroclor-1268 #2
- Aroclor-1268 (2) #2
- Aroclor-1268 (3) #2
- Aroclor-1268 (4) #2
- Aroclor-1268 (5) #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1262 #2 | Concentration Units: | Compound Type: L8

Signals to Be Used for Quantitation

Ret Time: 6.203 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 (Min / %)

This is 6.183 to 6.223 minutes

Quant signal: TIC | % Uncertainty

m/z | Relative Response: Rel

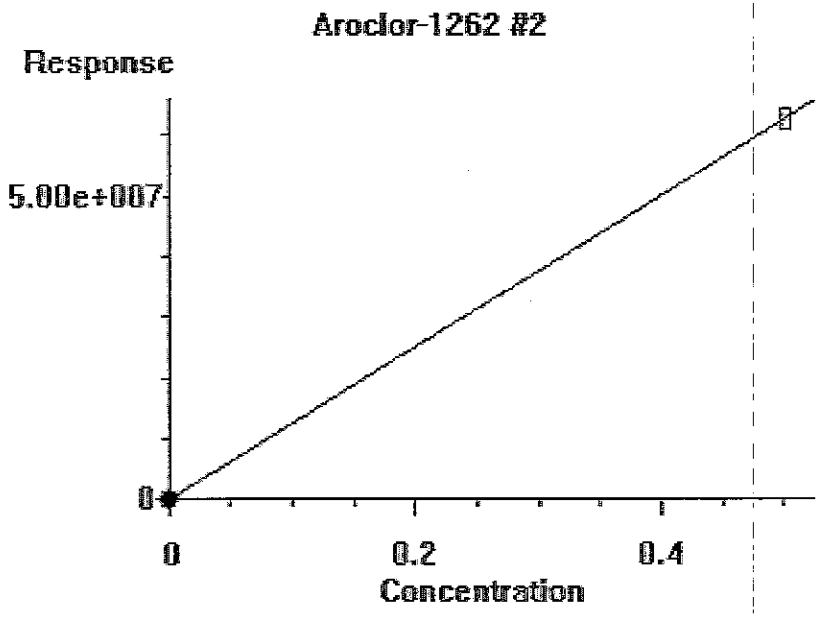
Target

	TIC		
	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	62514457.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Best RT Match
Maximum number of hits	1
Subtraction Method	No subtraction
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2
- Aroclor-1242 #2
- Aroclor-1242 {2} #2
- Aroclor-1242 {3} #2
- Aroclor-1242 {4} #2
- Aroclor-1242 {5} #2
- Aroclor-1248 #2
- Aroclor-1248 {2} #2
- Aroclor-1248 {3} #2
- Aroclor-1248 {4} #2
- Aroclor-1248 {5} #2
- Aroclor-1254 #2
- Aroclor-1254 {2} #2
- Aroclor-1254 {3} #2
- Aroclor-1254 {4} #2
- Aroclor-1254 {5} #2
- Aroclor-1260 #2
- Aroclor-1260 {2} #2
- Aroclor-1260 {3} #2
- Aroclor-1260 {4} #2
- Aroclor-1260 {5} #2
- Aroclor-1262 #2
- Aroclor-1262 {2} #2
- Aroclor-1262 {3} #2
- Aroclor-1262 {4} #2
- Aroclor-1262 {5} #2
- Aroclor-1268 #2
- Aroclor-1268 {2} #2
- Aroclor-1268 {3} #2
- Aroclor-1268 {4} #2
- Aroclor-1268 {5} #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1262 {2} #2 | Concentration Units: | Compound Type: L8

Signals to Be Used for Quantitation

Ret Time: 6.544 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 (Min / %)

This is 6.524 to 6.564 minutes

Quant signal: TIC | % Uncertainty

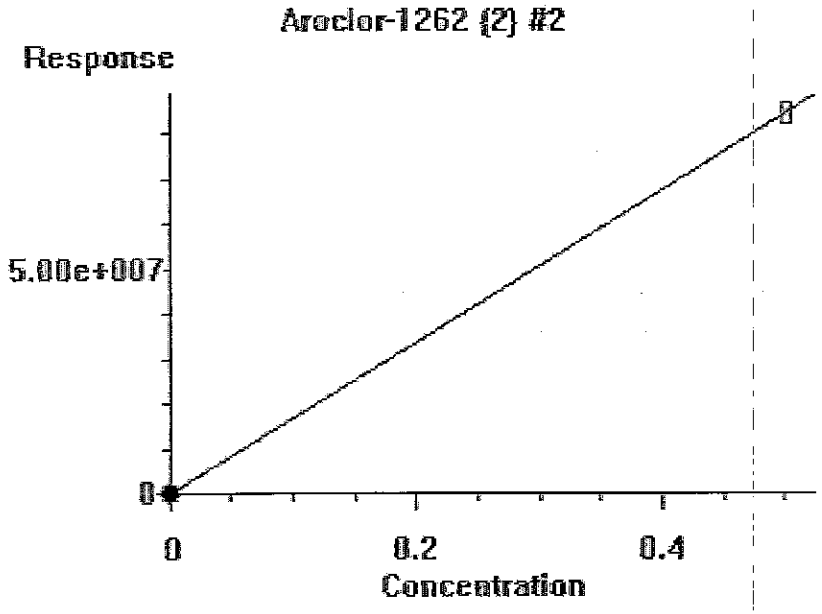
m/z | Relative Response: Rel

Target			
TIC	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	84402135.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Best RT Match
Maximum number of hits	1
Subtraction Method	No subtraction
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2
- Aroclor-1242 #2
- Aroclor-1242 {2} #2
- Aroclor-1242 {3} #2
- Aroclor-1242 {4} #2
- Aroclor-1242 {5} #2
- Aroclor-1248 #2
- Aroclor-1248 {2} #2
- Aroclor-1248 {3} #2
- Aroclor-1248 {4} #2
- Aroclor-1248 {5} #2
- Aroclor-1254 #2
- Aroclor-1254 {2} #2
- Aroclor-1254 {3} #2
- Aroclor-1254 {4} #2
- Aroclor-1254 {5} #2
- Aroclor-1260 #2
- Aroclor-1260 {2} #2
- Aroclor-1260 {3} #2
- Aroclor-1260 {4} #2
- Aroclor-1260 {5} #2
- Aroclor-1262 #2
- Aroclor-1262 {2} #2
- **Aroclor-1262 {3} #2**
- Aroclor-1262 {4} #2
- Aroclor-1262 {5} #2
- Aroclor-1268 #2
- Aroclor-1268 {2} #2
- Aroclor-1268 {3} #2
- Aroclor-1268 {4} #2
- Aroclor-1268 {5} #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1262 {3} #2 | Concentration Units: | Compound Type: L8

Signals to Be Used for Quantitation

Ret Time: 6.770 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 | Min | %

This is 6.750 to 6.790 minutes

Quant signal: TIC | % Uncertainty

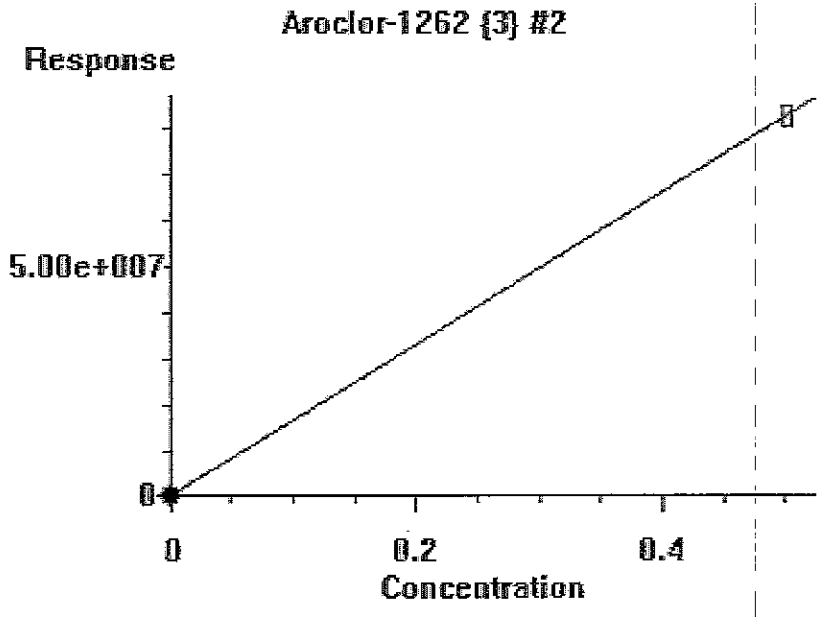
m/z | Relative Response: Rel

Target		TIC	100.00	
Q1		0.00	0.00	20.00
Q2		0.00	0.00	20.00
Q3		0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	82609217.000000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Best RT Match
Maximum number of hits	1
Subtraction Method	No subtraction
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

647

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2
- Aroclor-1242 #2
- Aroclor-1242 {2} #2
- Aroclor-1242 {3} #2
- Aroclor-1242 {4} #2
- Aroclor-1242 {5} #2
- Aroclor-1248 #2
- Aroclor-1248 {2} #2
- Aroclor-1248 {3} #2
- Aroclor-1248 {4} #2
- Aroclor-1248 {5} #2
- Aroclor-1254 #2
- Aroclor-1254 {2} #2
- Aroclor-1254 {3} #2
- Aroclor-1254 {4} #2
- Aroclor-1254 {5} #2
- Aroclor-1260 #2
- Aroclor-1260 {2} #2
- Aroclor-1260 {3} #2
- Aroclor-1260 {4} #2
- Aroclor-1260 {5} #2
- Aroclor-1262 #2
- Aroclor-1262 {2} #2
- Aroclor-1262 {3} #2
- Aroclor-1262 {4} #2
- Aroclor-1262 {5} #2
- Aroclor-1268 #2
- Aroclor-1268 {2} #2
- Aroclor-1268 {3} #2
- Aroclor-1268 {4} #2
- Aroclor-1268 {5} #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1262 {4} #2 | Concentration Units: | Compound Type: L8

Signals to Be Used for Quantitation

Ret Time: 6.950 | RRT: 0.000

Extract signals from: - 0.020 + 0.020 (Min / %)

This is 6.930 to 6.970 minutes

Quant signal: TIC | % Uncertainty

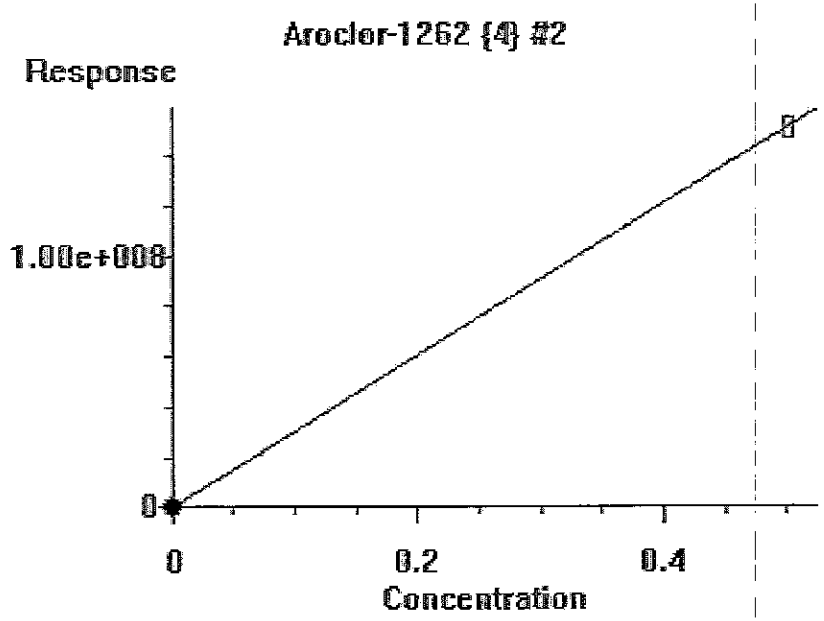
m/z | Relative Response: Rel

Target			
TIC	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Best RT Match
Maximum number of hits	1
Subtraction Method	No subtraction
Curve Fit	Avg of Response Factors
Weight	Equal weighting

Level	Concentration	Response
1		
2		
3	0.500000	1513000000.00000
4		
5		
6		
7		
8		



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2
- Aroclor-1242 #2
- Aroclor-1242 {2} #2
- Aroclor-1242 {3} #2
- Aroclor-1242 {4} #2
- Aroclor-1242 {5} #2
- Aroclor-1248 #2
- Aroclor-1248 {2} #2
- Aroclor-1248 {3} #2
- Aroclor-1248 {4} #2
- Aroclor-1248 {5} #2
- Aroclor-1254 #2
- Aroclor-1254 {2} #2
- Aroclor-1254 {3} #2
- Aroclor-1254 {4} #2
- Aroclor-1254 {5} #2
- Aroclor-1260 #2
- Aroclor-1260 {2} #2
- Aroclor-1260 {3} #2
- Aroclor-1260 {4} #2
- Aroclor-1260 {5} #2
- Aroclor-1262 #2
- Aroclor-1262 {2} #2
- Aroclor-1262 {3} #2
- Aroclor-1262 {4} #2
- Aroclor-1262 {5} #2
- Aroclor-1268 #2
- Aroclor-1268 {2} #2
- Aroclor-1268 {3} #2
- Aroclor-1268 {4} #2
- Aroclor-1268 {5} #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1262 {5} #2 | Concentration Units: | Compound Type: L8

Signals to Be Used for Quantitation

Ret Time: 7.237 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 | Min | %

This is 7.217 to 7.257 minutes

Quant signal: TIC | % Uncertainty

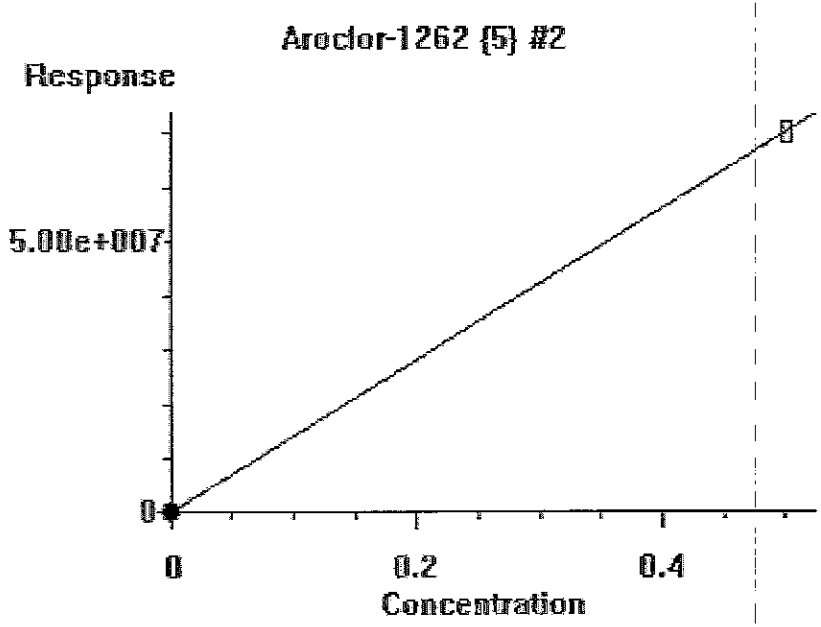
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	70317121.00000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Best RT Match
Maximum number of hits	1
Subtraction Method	No subtraction
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2
- Aroclor-1242 #2
- Aroclor-1242 (2) #2
- Aroclor-1242 (3) #2
- Aroclor-1242 (4) #2
- Aroclor-1242 (5) #2
- Aroclor-1248 #2
- Aroclor-1248 (2) #2
- Aroclor-1248 (3) #2
- Aroclor-1248 (4) #2
- Aroclor-1248 (5) #2
- Aroclor-1254 #2
- Aroclor-1254 (2) #2
- Aroclor-1254 (3) #2
- Aroclor-1254 (4) #2
- Aroclor-1254 (5) #2
- Aroclor-1260 #2
- Aroclor-1260 (2) #2
- Aroclor-1260 (3) #2
- Aroclor-1260 (4) #2
- Aroclor-1260 (5) #2
- Aroclor-1262 #2
- Aroclor-1262 (2) #2
- Aroclor-1262 (3) #2
- Aroclor-1262 (4) #2
- Aroclor-1262 (5) #2
- Aroclor-1268 #2
- Aroclor-1268 (2) #2
- Aroclor-1268 (3) #2
- Aroclor-1268 (4) #2
- Aroclor-1268 (5) #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1268 #2 | Concentration Units: | Compound Type: L9

Signals to Be Used for Quantitation

Ret Time: 6.772 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 (Min / %)

This is 6.752 to 6.792 minutes

Quant signal: TIC | % Uncertainty

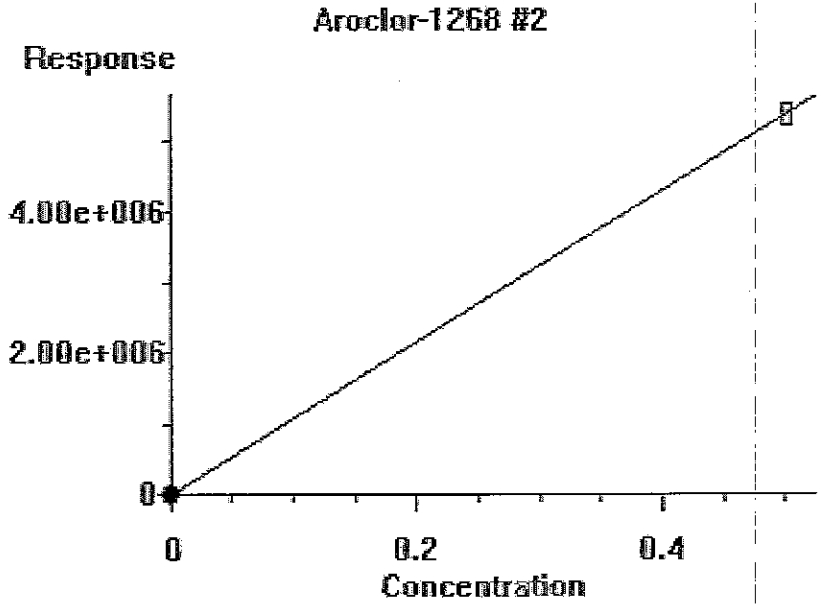
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	5374230.885255
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	9
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pound <-- Compound #91 --> Aroclor-1268 {2} #2

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2
- Aroclor-1242 #2
- Aroclor-1242 {2} #2
- Aroclor-1242 {3} #2
- Aroclor-1242 {4} #2
- Aroclor-1242 {5} #2
- Aroclor-1248 #2
- Aroclor-1248 {2} #2
- Aroclor-1248 {3} #2
- Aroclor-1248 {4} #2
- Aroclor-1248 {5} #2
- Aroclor-1254 #2
- Aroclor-1254 {2} #2
- Aroclor-1254 {3} #2
- Aroclor-1254 {4} #2
- Aroclor-1254 {5} #2
- Aroclor-1260 #2
- Aroclor-1260 {2} #2
- Aroclor-1260 {3} #2
- Aroclor-1260 {4} #2
- Aroclor-1260 {5} #2
- Aroclor-1262 #2
- Aroclor-1262 {2} #2
- Aroclor-1262 {3} #2
- Aroclor-1262 {4} #2
- Aroclor-1262 {5} #2
- Aroclor-1268 #2
- Aroclor-1268 {2} #2
- Aroclor-1268 {3} #2
- Aroclor-1268 {4} #2
- Aroclor-1268 {5} #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1268 {2} #2 | Concentration Units: | Compound Type: L9

Signals to Be Used for Quantitation

Ret Time: 7.236 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 | Min | %

This is 7.216 to 7.256 minutes

Quant signal: TIC | % Uncertainty

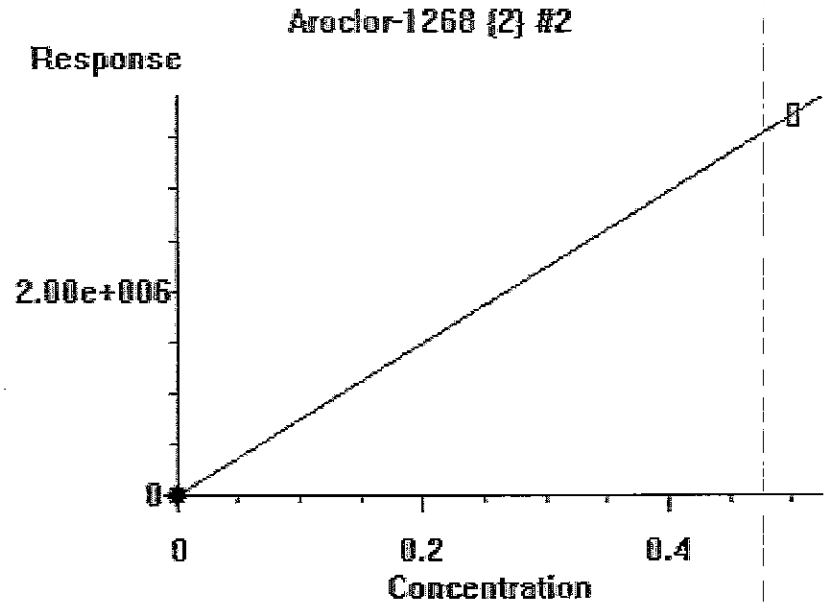
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	3716609.774793
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	9
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2
- Aroclor-1242 #2
- Aroclor-1242 (2) #2
- Aroclor-1242 (3) #2
- Aroclor-1242 (4) #2
- Aroclor-1242 (5) #2
- Aroclor-1248 #2
- Aroclor-1248 (2) #2
- Aroclor-1248 (3) #2
- Aroclor-1248 (4) #2
- Aroclor-1248 (5) #2
- Aroclor-1254 #2
- Aroclor-1254 (2) #2
- Aroclor-1254 (3) #2
- Aroclor-1254 (4) #2
- Aroclor-1254 (5) #2
- Aroclor-1260 #2
- Aroclor-1260 (2) #2
- Aroclor-1260 (3) #2
- Aroclor-1260 (4) #2
- Aroclor-1260 (5) #2
- Aroclor-1262 #2
- Aroclor-1262 (2) #2
- Aroclor-1262 (3) #2
- Aroclor-1262 (4) #2
- Aroclor-1262 (5) #2
- Aroclor-1268 #2
- Aroclor-1268 (2) #2
- Aroclor-1268 (3) #2
- Aroclor-1268 (4) #2
- Aroclor-1268 (5) #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1268 (3) #2 | Concentration Units: | Compound Type: L9

Signals to Be Used for Quantitation

Ret Time: 7.276 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 | Min | %

This is 7.256 to 7.296 minutes

Quant signal: TIC | % Uncertainty

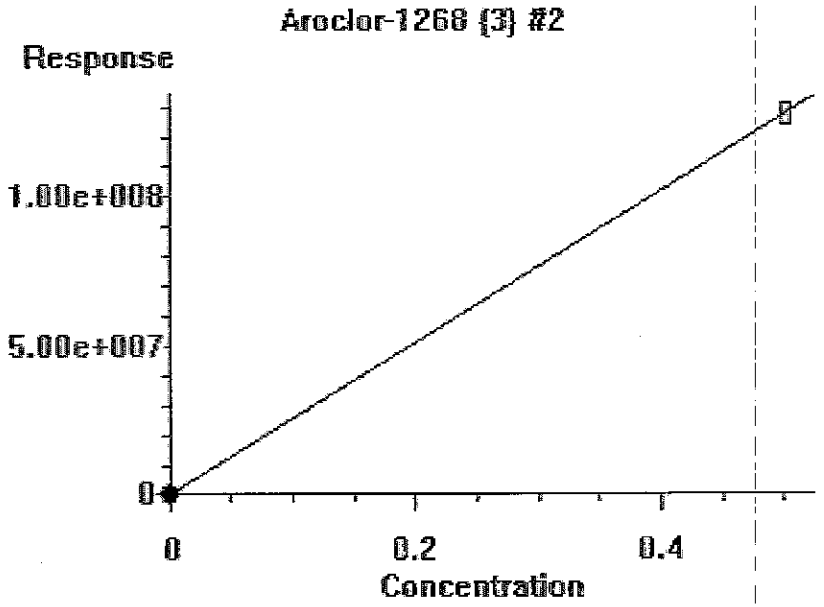
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	127700000.00000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	9
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2
- Aroclor-1242 #2
- Aroclor-1242 (2) #2
- Aroclor-1242 (3) #2
- Aroclor-1242 (4) #2
- Aroclor-1242 (5) #2
- Aroclor-1248 #2
- Aroclor-1248 (2) #2
- Aroclor-1248 (3) #2
- Aroclor-1248 (4) #2
- Aroclor-1248 (5) #2
- Aroclor-1254 #2
- Aroclor-1254 (2) #2
- Aroclor-1254 (3) #2
- Aroclor-1254 (4) #2
- Aroclor-1254 (5) #2
- Aroclor-1260 #2
- Aroclor-1260 (2) #2
- Aroclor-1260 (3) #2
- Aroclor-1260 (4) #2
- Aroclor-1260 (5) #2
- Aroclor-1262 #2
- Aroclor-1262 (2) #2
- Aroclor-1262 (3) #2
- Aroclor-1262 (4) #2
- Aroclor-1262 (5) #2
- Aroclor-1268 #2
- Aroclor-1268 (2) #2
- Aroclor-1268 (3) #2
- Aroclor-1268 (4) #2
- Aroclor-1268 (5) #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1268 (4) #2 | Concentration Units: | Compound Type: L9

Signals to Be Used for Quantitation

Ret Time: 7.500 | RRT: 0.000

Extract signals from: - 0.020 + 0.020 (Min / %)

This is 7.480 to 7.520 minutes

Quant signal: TIC | % Uncertainty

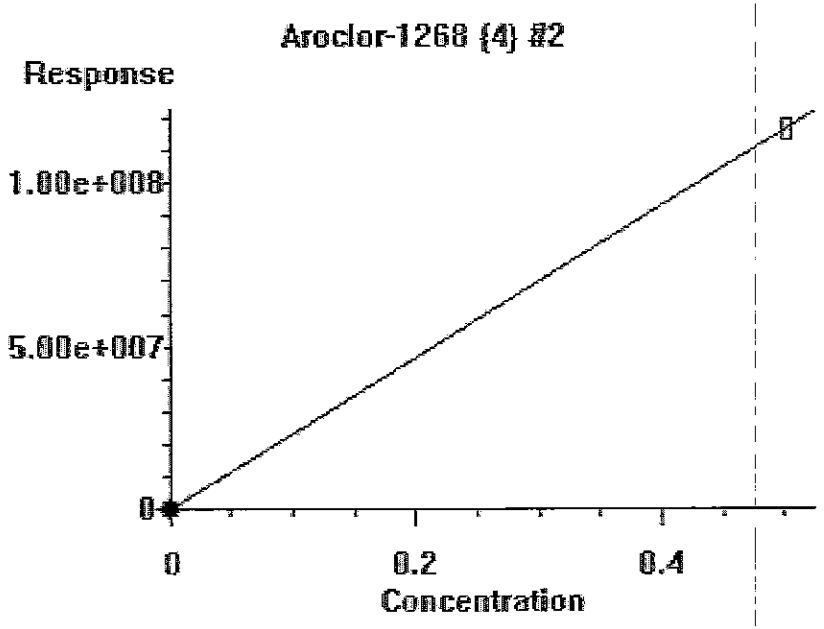
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	116400000.0000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	9
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound = 21 : Aroclor-1268 {5} #2

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 {3} #2
- Aroclor-1232 {4} #2
- Aroclor-1232 {5} #2
- Aroclor-1242 #2
- Aroclor-1242 {2} #2
- Aroclor-1242 {3} #2
- Aroclor-1242 {4} #2
- Aroclor-1242 {5} #2
- Aroclor-1248 #2
- Aroclor-1248 {2} #2
- Aroclor-1248 {3} #2
- Aroclor-1248 {4} #2
- Aroclor-1248 {5} #2
- Aroclor-1254 #2
- Aroclor-1254 {2} #2
- Aroclor-1254 {3} #2
- Aroclor-1254 {4} #2
- Aroclor-1254 {5} #2
- Aroclor-1260 #2
- Aroclor-1260 {2} #2
- Aroclor-1260 {3} #2
- Aroclor-1260 {4} #2
- Aroclor-1260 {5} #2
- Aroclor-1262 #2
- Aroclor-1262 {2} #2
- Aroclor-1262 {3} #2
- Aroclor-1262 {4} #2
- Aroclor-1262 {5} #2
- Aroclor-1268 #2
- Aroclor-1268 {2} #2
- Aroclor-1268 {3} #2
- Aroclor-1268 {4} #2
- Aroclor-1268 {5} #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aroclor-1268 {5} #2 | Concentration Units: | Compound Type: L9

Signals to Be Used for Quantitation

Ret Time: 8.095 | RRT: 0.000

Extract signals from

- 0.030 + 0.050 | Min | %

This is 8.065 to 8.145 minutes

Quant signal: TIC | % Uncertainty

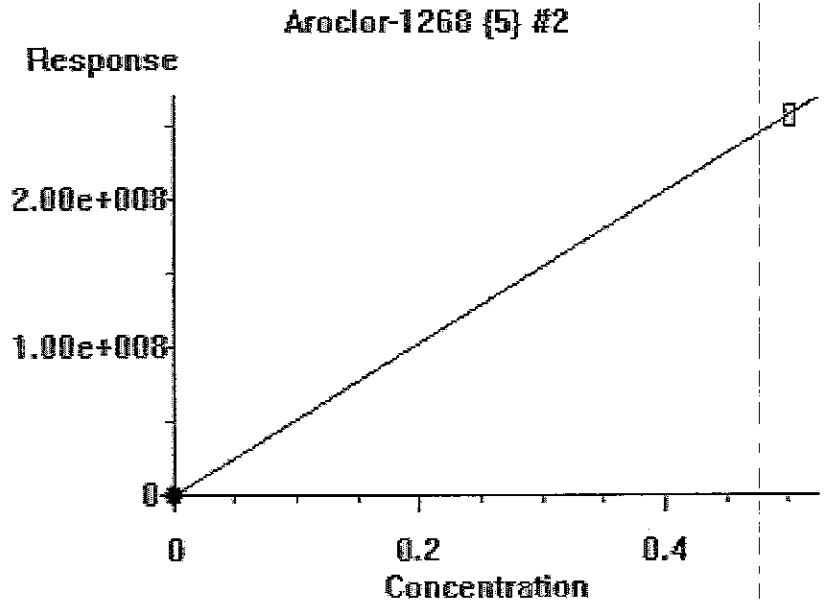
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1		
2		
3	0.500000	257100000.00000
4		
5		
6		
7		
8		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	9
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds - Compound #95 : DCB #2

Search by: Ret Time | Name | Index | Find Compound

- Aroclor-1232 (3) #2
- Aroclor-1232 (4) #2
- Aroclor-1232 (5) #2
- Aroclor-1242 #2
- Aroclor-1242 (2) #2
- Aroclor-1242 (3) #2
- Aroclor-1242 (4) #2
- Aroclor-1242 (5) #2
- Aroclor-1248 #2
- Aroclor-1248 (2) #2
- Aroclor-1248 (3) #2
- Aroclor-1248 (4) #2
- Aroclor-1248 (5) #2
- Aroclor-1254 #2
- Aroclor-1254 (2) #2
- Aroclor-1254 (3) #2
- Aroclor-1254 (4) #2
- Aroclor-1254 (5) #2
- Aroclor-1260 #2
- Aroclor-1260 (2) #2
- Aroclor-1260 (3) #2
- Aroclor-1260 (4) #2
- Aroclor-1260 (5) #2
- Aroclor-1262 #2
- Aroclor-1262 (2) #2
- Aroclor-1262 (3) #2
- Aroclor-1262 (4) #2
- Aroclor-1262 (5) #2
- Aroclor-1268 #2
- Aroclor-1268 (2) #2
- Aroclor-1268 (3) #2
- Aroclor-1268 (4) #2
- Aroclor-1268 (5) #2
- DCB #2

Identification | Calibration | User-Defined | Advanced | Reporting

Name: DCB #2 | Concentration Units: ppm | Compound Type: S

Signals to Be Used for Quantitation

Ret Time: 8.398 | RRT: 0.000

Extract signals from

- 0.070 + 0.170 (Min / %)

This is 8.328 to 8.568 minutes

Quant signal: TIC | % Uncertainty

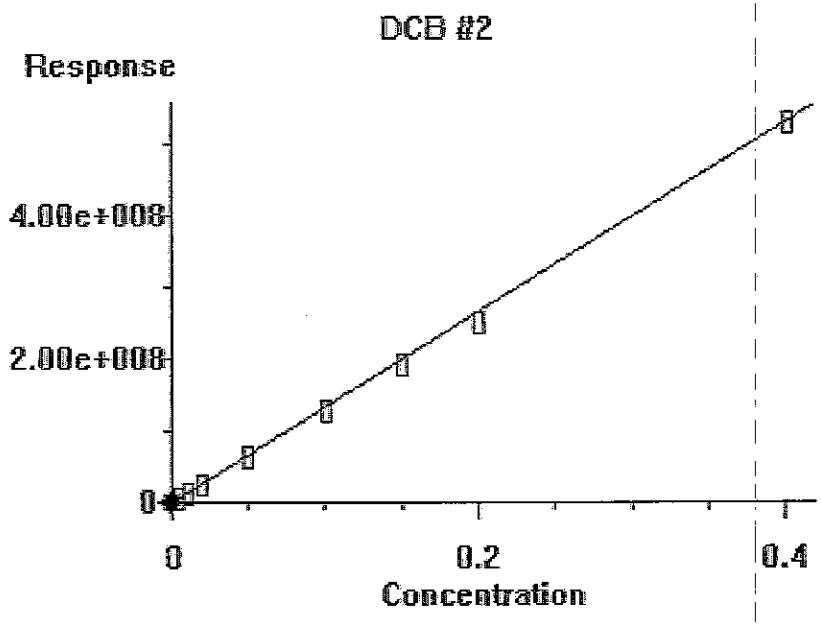
m/z | Relative Response: Rel

Target		TIC	100.00
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Largest area/height
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting

Level	Concentration	Response
1	0.004000	6057674.492734
2	0.010000	13713917.82225
3	0.020000	25670603.94253
4	0.050000	64890933.92813
5	0.100000	128167432.54689
6	0.150000	193790457.4855
7	0.200000	250263509.4228
8	0.400000	528360253.2801



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 20:04
Operator : LAD
Sample : PCB IC 0.02PPM PS5-016-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:19:02 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
	System Monitoring Compounds							
1) S	TCX	3.538	3.383	6946630	9134371	0.004	0.004	
Spiked Amount	0.100			Recovery	=	4.00%	4.00%	
47) S	DCB	8.275	8.403	4433987	6057674	0.005	0.005	
Spiked Amount	0.100			Recovery	=	5.00%	5.00%	
	Target Compounds							
2) L1	Aroclor-1016	3.888	3.841	774230	977741	0.024	0.023	
3) L1	Aroclor-1...	4.215	4.196	1040664	1433395	0.022	0.023	
4) L1	Aroclor-1...	4.631	4.585	1820583	2304534	0.023	0.021	
5) L1	Aroclor-1...	4.745	4.695	1313251	1552709	0.025	0.022	
6) L1	Aroclor-1...	5.085	5.072	1018065	1414446	0.023	0.022	
Sum	Aroclor-1016			5966794	7682825	0.116	0.110	
Average	Aroclor-1016					0.023	0.022	
7) L2	Aroclor-1221	3.000	2.935	401845	92121	0.042	0.007	#
8) L2	Aroclor-1...	3.704	3.657	274726	197195	0.014	0.007	#
9) L2	Aroclor-1...	3.888	3.841	774230	977741	0.017	0.016	
10) L2	Aroclor-1...	4.328	4.247	139352	210890	0.021	0.023	
11) L2	Aroclor-1...	4.631	4.585	1820583	2304534	0.305	0.294	
Sum	Aroclor-1221			3410737	3782482	0.399	0.347	
Average	Aroclor-1221					0.080	0.069	
12) L3	Aroclor-1232	3.888	3.841	774230	977741	0.020	0.019	
13) L3	Aroclor-1...	4.215	4.196	1040664	1433395	0.042	0.042	
14) L3	Aroclor-1...	4.745	4.695	1313251	1552709	0.045	0.041	
15) L3	Aroclor-1...	5.085	5.072	1018065	1414446	0.045	0.043	
16) L3	Aroclor-1...	5.427	5.370	187404	297221	0.008	0.010	
Sum	Aroclor-1232			4333614	5675512	0.160	0.154	
Average	Aroclor-1232					0.032	0.031	
17) L4	Aroclor-1242	4.631	4.585	1820583	2304534	1.213	0.020	#
18) L4	Aroclor-1...	4.745	4.695	1313251	1552709	0.125	1.904	#
19) L4	Aroclor-1...	5.085	5.072	1018065	1414446	0.286	0.282	
20) L4	Aroclor-1...	5.451	5.403	117459	1021836	0.003	2.150	#
21) L4	Aroclor-1...	5.916	5.905	592448	498932	0.067	0.113	#
Sum	Aroclor-1242			4861806	6792457	1.695	4.469	
Average	Aroclor-1242					0.339	0.894	
22) L5	Aroclor-1248	4.631	4.585	1820583	2304534	1.213	0.029	#
23) L5	Aroclor-1...	5.085	5.072	1018065	1414446	0.286	0.282	
24) L5	Aroclor-1...	5.451	5.403	117459	1021836	0.001	2.150	#
25) L5	Aroclor-1...	5.597f	5.592	1167843	778460	0.022	1.216	#

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 20:04
Operator : LAD
Sample : PCB IC 0.02PPM PS5-016-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:19:02 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26)	L5 Aroclor-1...	5.916	5.905	592448	498932	0.067	0.113	#
	Sum Aroclor-1248			4716398	6018208	1.590	3.789	
Average	Aroclor-1248					0.318	0.758	
27)	L6 Aroclor-1254	5.427	5.443	187404	169229	0.169	0.356	#
28)	L6 Aroclor-1...	5.650	5.592	539176	778460	8.296	0.760	#
29)	L6 Aroclor-1...	5.945	5.980f	1183053	562490	0.135	0.127	
30)	L6 Aroclor-1...	6.176	0.000	142930	0	0.249	N.D.	#
31)	L6 Aroclor-1...	0.000	6.546	0	2606779	N.D.	0.124	#
	Sum Aroclor-1254			2052563	4116958	8.848	1.367	
Average	Aroclor-1254					2.212	0.342	
32)	L7 Aroclor-1260	6.054	6.053	1707453	2718359	0.020	0.022	
33)	L7 Aroclor-1...	6.263	6.204	2401817	3373974	0.023	0.023	
34)	L7 Aroclor-1...	6.486	6.482	2184322	2745327	0.023	0.023	
35)	L7 Aroclor-1...	6.991	6.952	4184344	5294154	0.023	0.021	
36)	L7 Aroclor-1...	7.228	7.249	1895801	2291972	0.024	0.022	
	Sum Aroclor-1260			12373736	16423786	0.112	0.112	
Average	Aroclor-1260					0.022	0.022	
37)	L8 Aroclor-1262	6.306	0.000	711486	0	0.131	N.D.	#
38)	L8 Aroclor-1...	6.604	6.587	1205984	1463593	0.143	0.128	
39)	L8 Aroclor-1...	6.795	6.828	1073797	1353666	0.138	0.126	
40)	L8 Aroclor-1...	7.024	6.989f	406044	171364	0.201	0.178	
41)	L8 Aroclor-1...	7.286	7.293	805827	648439	0.121	0.087	#
	Sum Aroclor-1262			4203138	3637063	0.734	0.519	
Average	Aroclor-1262					0.147	0.130	
42)	L9 Aroclor-1268	6.795	6.828	1073797	1353666	0.138	0.126	
43)	L9 Aroclor-1...	7.286	7.293	805827	648439	0.121	0.087	#
44)	L9 Aroclor-1...	7.338f	0.000	100882	0	0.001	N.D.	#
45)	L9 Aroclor-1...	0.000	0.000	0	0	N.D.	N.D.	
46)	L9 Aroclor-1...	0.000	0.000	0	0	N.D.	N.D.	
	Sum Aroclor-1268			1980506	2002106	0.260	0.213	
Average	Aroclor-1268					0.087	0.107	

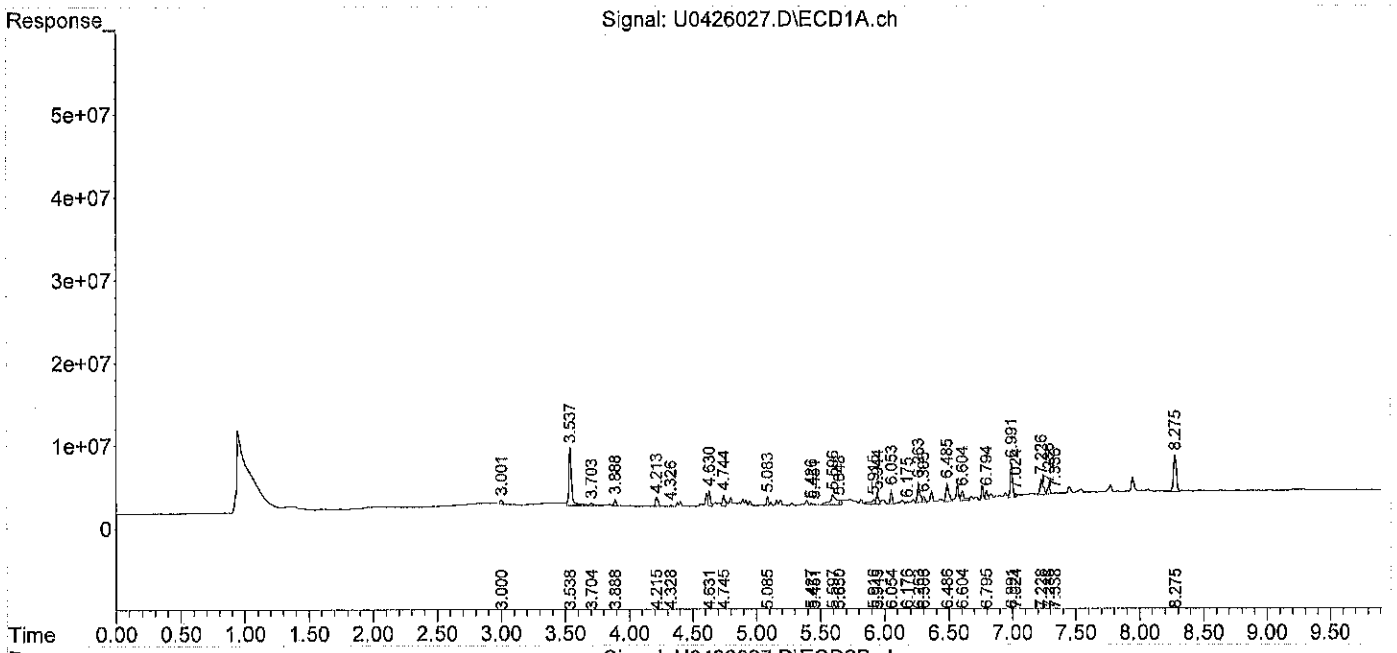
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

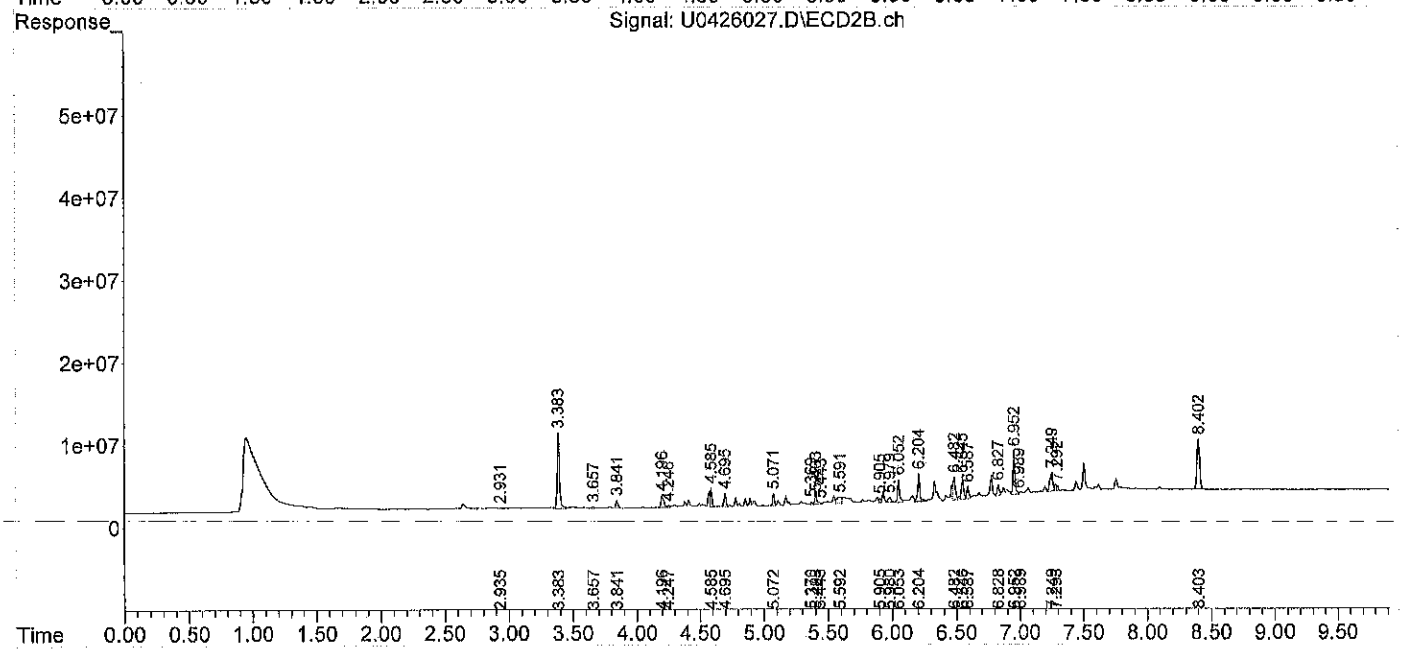
Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 20:04
Operator : LAD
Sample : PCB IC 0.02PPM PS5-016-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:19:02 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 20:16
Operator : LAD
Sample : PCB IC 0.05PPM PS5-016-11
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:19:33 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
	System Monitoring Compounds							
1)	S TCX	3.535	3.386	16568356	22421281	0.010	0.010	
	Spiked Amount 0.100			Recovery	= 10.00%		10.00%	
47)	S DCB	8.269	8.400	10129366	13713918	0.011	0.010	
	Spiked Amount 0.100			Recovery	= 11.00%		10.00%	
	Target Compounds							
2)	L1 Aroclor-1016	3.886	3.843	1860551	2431096	0.056	0.057	
3)	L1 Aroclor-1...	4.212	4.198	2560462	3523710	0.055	0.056	
4)	L1 Aroclor-1...	4.628	4.586	4113157	5595006	0.051	0.050	
5)	L1 Aroclor-1...	4.741	4.696	2713796	3623651	0.052	0.052	
6)	L1 Aroclor-1...	5.081	5.072	2363232	3426284	0.053	0.053	
	Sum Aroclor-1016			13611199	18599747	0.267	0.267	
Average	Aroclor-1016					0.053	0.053	
7)	L2 Aroclor-1221	2.998	2.936	482394	66288	0.050	0.005	#
8)	L2 Aroclor-1...	3.702	3.658	403064	620781	0.021	0.023	
9)	L2 Aroclor-1...	3.886	3.843	1860551	2431096	0.040	0.040	
10)	L2 Aroclor-1...	4.325	4.248	373409	325185	0.055	0.036	#
11)	L2 Aroclor-1...	4.628	4.586	4113157	5595006	0.690	0.714	
	Sum Aroclor-1221			7232575	9038355	0.856	0.817	
Average	Aroclor-1221					0.171	0.163	
12)	L3 Aroclor-1232	3.886	3.843	1860551	2431096	0.047	0.048	
13)	L3 Aroclor-1...	4.212	4.198	2560462	3523710	0.103	0.102	
14)	L3 Aroclor-1...	4.741	4.696	2713796	3623651	0.093	0.095	
15)	L3 Aroclor-1...	5.081	5.072	2363232	3426284	0.104	0.104	
16)	L3 Aroclor-1...	5.424	5.369	426843	642209	0.019	0.021	
	Sum Aroclor-1232			9924885	13646950	0.367	0.370	
Average	Aroclor-1232					0.073	0.074	
17)	L4 Aroclor-1242	4.628	4.586	4113157	5595006	2.740	0.049	#
18)	L4 Aroclor-1...	4.741	4.696	2713796	3623651	0.259	4.444	#
19)	L4 Aroclor-1...	5.081	5.072	2363232	3426284	0.665	0.682	
20)	L4 Aroclor-1...	5.448	5.403	291565	2176358	0.008	4.578	#
21)	L4 Aroclor-1...	5.912	5.904	783908	1030715	0.089	0.233	#
	Sum Aroclor-1242			10265658	15852013	3.760	9.987	
Average	Aroclor-1242					0.752	1.997	
22)	L5 Aroclor-1248	4.628	4.586	4113157	5595006	2.740	0.072	#
23)	L5 Aroclor-1...	5.081	5.072	2363232	3426284	0.665	0.682	
24)	L5 Aroclor-1...	5.448	5.403	291565	2176358	0.003	4.578	#
25)	L5 Aroclor-1...	5.593	5.589	1537659	273135	0.029	0.427	#

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 20:16
Operator : LAD
Sample : PCB IC 0.05PPM PS5-016-11
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:19:33 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26) L5	Aroclor-1...	5.912	5.904	783908	1030715	0.089	0.233	#
Sum	Aroclor-1248			9089521	12501497	3.526	5.992	
Average	Aroclor-1248					0.705	1.198	
27) L6	Aroclor-1254	5.448	5.465	291565	127795	0.263	0.269	
28) L6	Aroclor-1...	0.000	5.589	0	273135	N.D.	0.267	#
29) L6	Aroclor-1...	5.942	5.980f	2365905	1168215	0.269	0.264	
30) L6	Aroclor-1...	6.170	6.102f	168227	104768	0.293	0.272	
31) L6	Aroclor-1...	0.000	6.544	0	5393433	N.D.	0.257	#
Sum	Aroclor-1254			2825697	7067347	0.825	1.328	
Average	Aroclor-1254					0.275	0.266	
32) L7	Aroclor-1260	6.050	6.051	4584612	6374650	0.054	0.052	
33) L7	Aroclor-1...	6.259	6.203	5471542	7540764	0.053	0.052	
34) L7	Aroclor-1...	6.483	6.480	4989210	6008524	0.052	0.051	
35) L7	Aroclor-1...	6.988	6.950	9267474	12330593	0.051	0.050	
36) L7	Aroclor-1...	7.223	7.247	4155972	5231050	0.052	0.050	
Sum	Aroclor-1260			28468810	37485581	0.261	0.255	
Average	Aroclor-1260					0.052	0.051	
37) L8	Aroclor-1262	6.303	6.254	1430795	76934	0.263	0.475	#
38) L8	Aroclor-1...	6.600	6.587	2265775	2980467	0.269	0.260	
39) L8	Aroclor-1...	6.791	6.826	2058371	2815268	0.265	0.262	
40) L8	Aroclor-1...	7.021	7.004	562590	294215	0.278	0.305	
41) L8	Aroclor-1...	7.280	7.277f	1720932	1889719	0.258	0.254	
Sum	Aroclor-1262			8038463	8056603	1.333	1.557	
Average	Aroclor-1262					0.267	0.311	
42) L9	Aroclor-1268	6.791	6.826	2058371	2815268	0.265	0.262	
43) L9	Aroclor-1...	7.280	7.277f	1720932	1889719	0.258	0.254	
44) L9	Aroclor-1...	0.000	0.000	0	0	N.D.	N.D.	
45) L9	Aroclor-1...	0.000	0.000	0	0	N.D.	N.D.	
46) L9	Aroclor-1...	8.110	0.000	130589	0	0.000	N.D.	#
Sum	Aroclor-1268			3909892	4704987	0.523	0.516	
Average	Aroclor-1268					0.174	0.258	

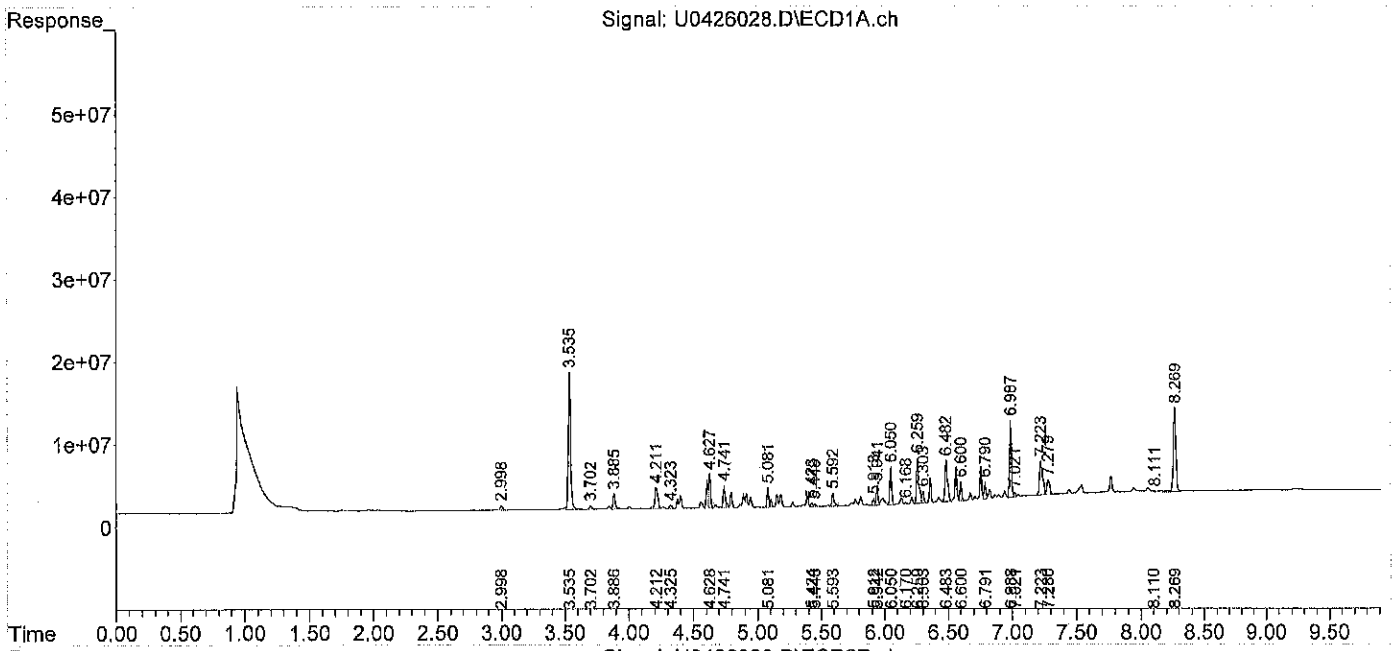
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

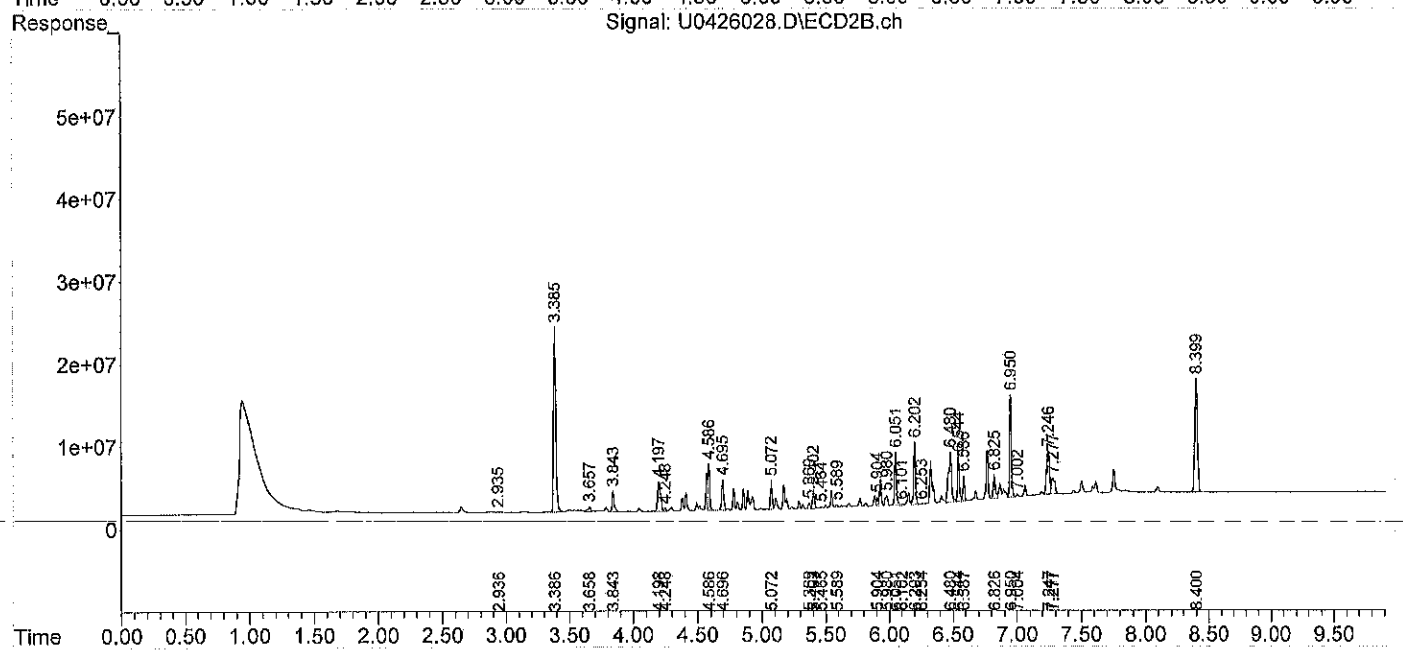
Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 20:16
Operator : LAD
Sample : PCB IC 0.05PPM PS5-016-11
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:19:33 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 20:28
Operator : LAD
Sample : PCB IC 0.1PPM PS5-016-12
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:19:47 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
	System Monitoring Compounds							
1) S	TCX	3.535	3.386	32572715	44540782	0.020	0.020	
Spiked Amount	0.100			Recovery	=	20.00%	20.00%	
47) S	DCB	8.269	8.399	19182140	25670604	0.020	0.019	
Spiked Amount	0.100			Recovery	=	20.00%	19.00%	
	Target Compounds							
2) L1	Aroclor-1016	3.886	3.843	3477624	4468425	0.106	0.104	
3) L1	Aroclor-1...	4.212	4.198	4872245	6590847	0.105	0.104	
4) L1	Aroclor-1...	4.628	4.586	8111375	11009361	0.100	0.099	
5) L1	Aroclor-1...	4.742	4.696	5244271	7012261	0.100	0.100	
6) L1	Aroclor-1...	5.081	5.072	4609521	6602702	0.102	0.102	
Sum	Aroclor-1016			26315036	35683595	0.514	0.509	
Average	Aroclor-1016					0.103	0.102	
7) L2	Aroclor-1221	2.998	2.943	514328	101959	0.054	0.008	#
8) L2	Aroclor-1...	3.703	3.660	738749	1051182	0.039	0.039	
9) L2	Aroclor-1...	3.886	3.843	3477624	4468425	0.074	0.074	
10) L2	Aroclor-1...	4.326	4.248	694050	602738	0.103	0.066	#
11) L2	Aroclor-1...	4.628	4.586	8111375	11009361	1.361	1.404	
Sum	Aroclor-1221			13536125	17233665	1.630	1.591	
Average	Aroclor-1221					0.326	0.318	
12) L3	Aroclor-1232	3.886	3.843	3477624	4468425	0.088	0.088	
13) L3	Aroclor-1...	4.212	4.198	4872245	6590847	0.195	0.191	
14) L3	Aroclor-1...	4.742	4.696	5244271	7012261	0.181	0.183	
15) L3	Aroclor-1...	5.081	5.072	4609521	6602702	0.203	0.201	
16) L3	Aroclor-1...	5.424	5.370	858787	1283603	0.039	0.042	
Sum	Aroclor-1232			19062448	25957837	0.706	0.705	
Average	Aroclor-1232					0.141	0.141	
17) L4	Aroclor-1242	4.628	4.586	8111375	11009361	5.404	0.097	#
18) L4	Aroclor-1...	4.742	4.696	5244271	7012261	0.500	8.600	#
19) L4	Aroclor-1...	5.081	5.072	4609521	6602702	1.296	1.315	
20) L4	Aroclor-1...	5.447	5.403	553634	4121229	0.014	8.670	#
21) L4	Aroclor-1...	5.912	5.905	1435610	2001967	0.163	0.452	#
Sum	Aroclor-1242			19954411	30747519	7.378	19.134	
Average	Aroclor-1242					1.476	3.827	
22) L5	Aroclor-1248	4.628	4.586	8111375	11009361	5.404	0.141	#
23) L5	Aroclor-1...	5.081	5.072	4609521	6602702	1.296	1.315	
24) L5	Aroclor-1...	5.447	5.403	553634	4121229	0.006	8.670	#
25) L5	Aroclor-1...	5.592	5.590	2910171	512375	0.055	0.800	#

Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 20:28
Operator : LAD
Sample : PCB IC 0.1PPM PS5-016-12
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:19:47 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26)	L5 Aroclor-1...	5.912	5.905	1435610	2001967	0.163	0.452	#
Sum	Aroclor-1248			17620311	24247633	6.925	11.378	
Average	Aroclor-1248					1.385	2.276	
27)	L6 Aroclor-1254	5.447	5.465	553634	237673	0.500	0.500	
28)	L6 Aroclor-1...	5.657f	5.590	32498	512375	0.500	0.500	
29)	L6 Aroclor-1...	5.941	5.980f	4391844	2214906	0.500	0.500	
30)	L6 Aroclor-1...	6.170	6.100f	287527	192652	0.500	0.500	
31)	L6 Aroclor-1...	0.000	6.544	0	10491810	N.D.	0.500	#
Sum	Aroclor-1254			5265504	13649415	2.000	2.500	
Average	Aroclor-1254					0.500	0.500	
32)	L7 Aroclor-1260	6.050	6.051	8843158	12143037	0.104	0.099	
33)	L7 Aroclor-1...	6.259	6.203	10384839	14317324	0.101	0.098	
34)	L7 Aroclor-1...	6.482	6.479	9575844	11512438	0.099	0.097	
35)	L7 Aroclor-1...	6.987	6.950	17976047	24125444	0.098	0.098	
36)	L7 Aroclor-1...	7.223	7.247	8023848	10113308	0.100	0.097	
Sum	Aroclor-1260			54803736	72211550	0.502	0.490	
Average	Aroclor-1260					0.100	0.098	
37)	L8 Aroclor-1262	6.302	6.251	2717802	80996	0.500	0.500	
38)	L8 Aroclor-1...	6.600	6.587	4216514	5724433	0.500	0.500	
39)	L8 Aroclor-1...	6.790	6.825	3888246	5374231	0.500	0.500	
40)	L8 Aroclor-1...	7.020	7.004	1010644	482091	0.500	0.500	
41)	L8 Aroclor-1...	7.280	7.277f	3329714	3716610	0.500	0.500	
Sum	Aroclor-1262			15162921	15378361	2.500	2.500	
Average	Aroclor-1262					0.500	0.500	
42)	L9 Aroclor-1268	6.790	6.825	3888246	5374231	0.500	0.500	
43)	L9 Aroclor-1...	7.280	7.277f	3329714	3716610	0.500	0.500	
44)	L9 Aroclor-1...	0.000	0.000	0	0	N.D.	N.D.	
45)	L9 Aroclor-1...	0.000	0.000	0	0	N.D.	N.D.	
46)	L9 Aroclor-1...	0.000	0.000	0	0	N.D.	N.D.	
Sum	Aroclor-1268			7217960	9090841	1.000	1.000	
Average	Aroclor-1268					0.500	0.500	

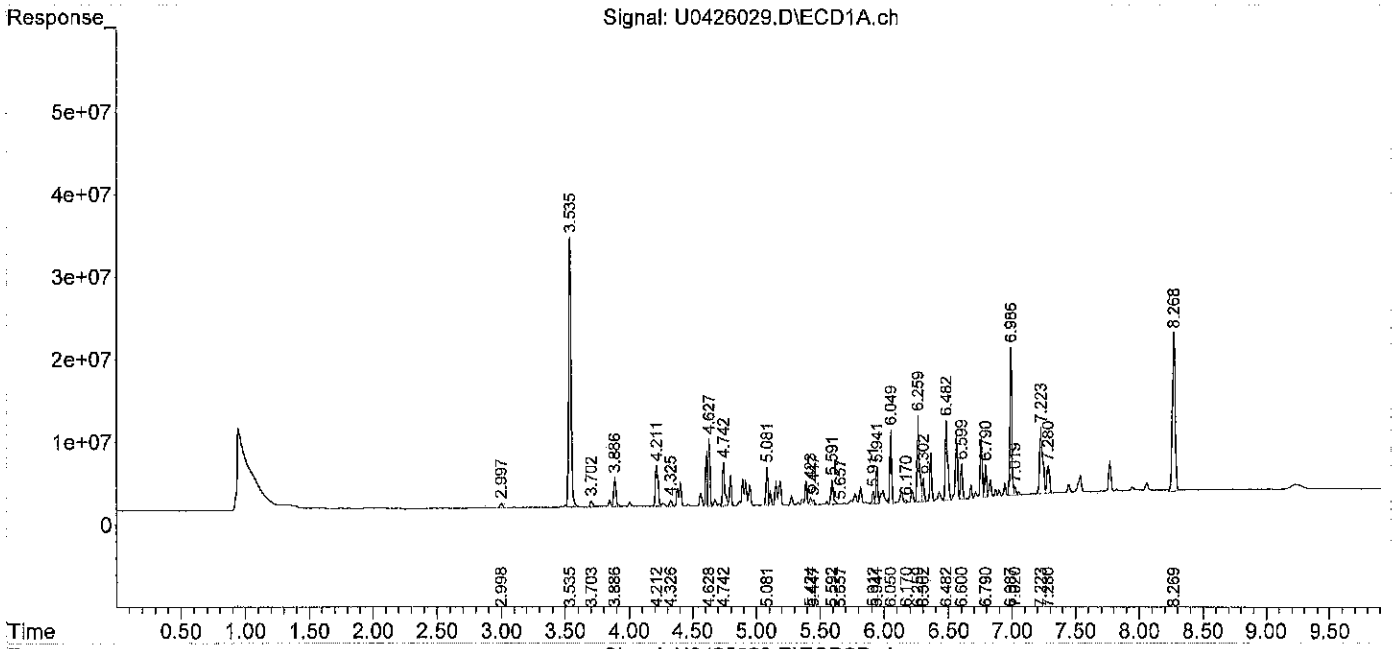
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

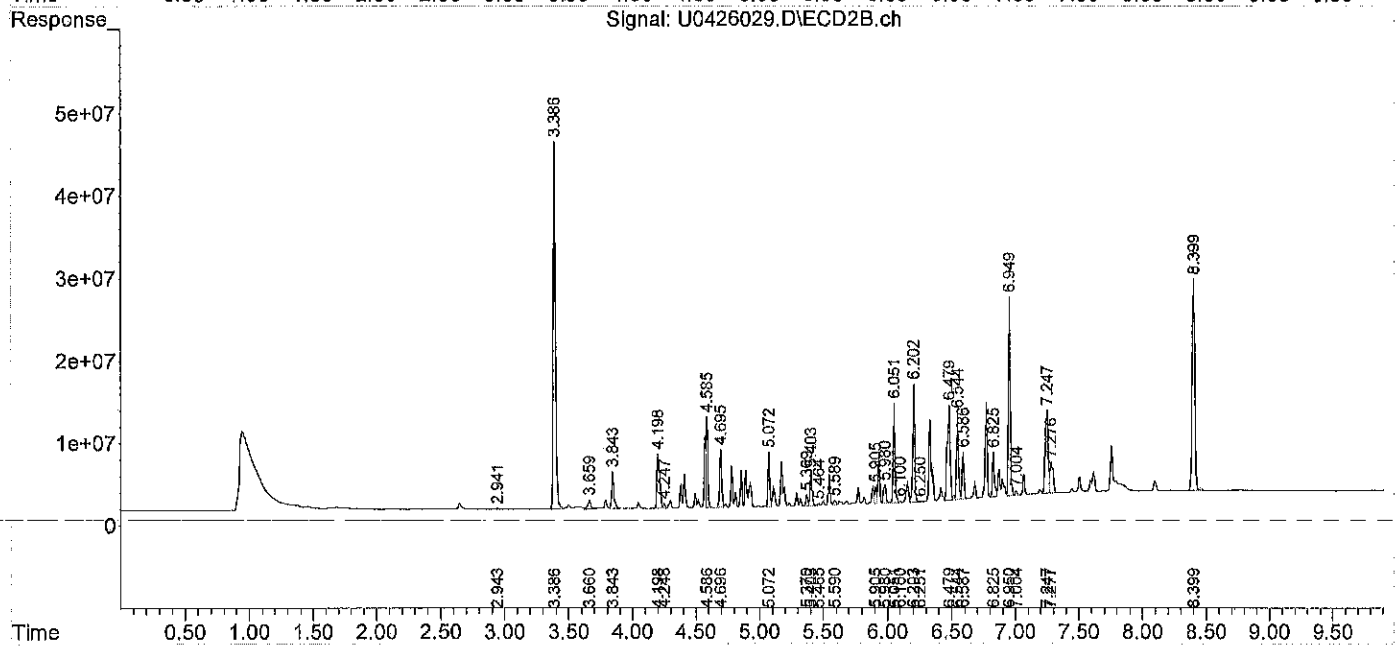
Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 20:28
Operator : LAD
Sample : PCB IC 0.1PPM PS5-016-12
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:19:47 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 20:40
Operator : LAD
Sample : PCB IC 0.25PPM PS5-016-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:20:03 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
	System Monitoring Compounds							
1) S	TCX	3.536	3.386	81466489	112.0E6	0.049	0.050	
Spiked Amount	0.100			Recovery	=	49.00%	50.00%	
47) S	DCB	8.267	8.399	44830746	64890934	0.047	0.049	
Spiked Amount	0.100			Recovery	=	47.00%	49.00%	
	Target Compounds							
2) L1	Aroclor-1016	3.886	3.843	8193197	10782080	0.249	0.251	
3) L1	Aroclor-1...	4.212	4.198	11778973	16057495	0.254	0.254	
4) L1	Aroclor-1...	4.627	4.586	20409541	28388687	0.253	0.255	
5) L1	Aroclor-1...	4.741	4.696	12899419	17644512	0.246	0.251	
6) L1	Aroclor-1...	5.081	5.073	11335300	16267503	0.252	0.250	
Sum	Aroclor-1016			64616430	89140277	1.253	1.261	
Average	Aroclor-1016					0.251	0.252	
7) L2	Aroclor-1221	2.999	2.941	507066	216039	0.053	0.016	#
8) L2	Aroclor-1...	3.702	3.660	1821376	2505986	0.095	0.092	
9) L2	Aroclor-1...	3.886	3.843	8193197	10782080	0.175	0.179	
10) L2	Aroclor-1...	4.325	4.248	1732589	1394075	0.256	0.153	#
11) L2	Aroclor-1...	4.627	4.586	20409541	28388687	3.424	3.620	
Sum	Aroclor-1221			32663769	43286866	4.002	4.061	
Average	Aroclor-1221					0.800	0.812	
12) L3	Aroclor-1232	3.886	3.843	8193197	10782080	0.207	0.212	
13) L3	Aroclor-1...	4.212	4.198	11778973	16057495	0.472	0.466	
14) L3	Aroclor-1...	4.741	4.696	12899419	17644512	0.444	0.462	
15) L3	Aroclor-1...	5.081	5.073	11335300	16267503	0.500	0.496	
16) L3	Aroclor-1...	5.423	5.369	2036435	3107183	0.092	0.101	
Sum	Aroclor-1232			46243324	63858773	1.715	1.736	
Average	Aroclor-1232					0.343	0.347	
17) L4	Aroclor-1242	4.627	4.586	20409541	28388687	13.596	0.251	#
18) L4	Aroclor-1...	4.741	4.696	12899419	17644512	1.230	21.639	#
19) L4	Aroclor-1...	5.081	5.073	11335300	16267503	3.188	3.239	
20) L4	Aroclor-1...	5.447	5.403	1440492	10074586	0.037	21.194	#
21) L4	Aroclor-1...	5.911	5.904	3453972	4808040	0.393	1.085	#
Sum	Aroclor-1242			49538724	77183327	18.444	47.409	
Average	Aroclor-1242					3.689	9.482	
22) L5	Aroclor-1248	4.627	4.586	20409541	28388687	13.596	0.363	#
23) L5	Aroclor-1...	5.081	5.073	11335300	16267503	3.188	3.239	
24) L5	Aroclor-1...	5.447	5.403	1440492	10074586	0.017	21.194	#
25) L5	Aroclor-1...	5.591	5.590	6971844	1248183	0.132	1.950	#

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 20:40
Operator : LAD
Sample : PCB IC 0.25PPM PS5-016-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:20:03 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26) L5	Aroclor-1...	5.911	5.904	3453972	4808040	0.393	1.085	#
Sum	Aroclor-1248			43611149	60786999	17.326	27.832	
Average	Aroclor-1248					3.465	5.566	
27) L6	Aroclor-1254	5.447	5.465	1440492	551608	1.301	1.160	
28) L6	Aroclor-1...	0.000	5.590	0	1248183	N.D.	1.218	#
29) L6	Aroclor-1...	5.941	5.979f	10747682	5531910	1.224	1.249	
30) L6	Aroclor-1...	6.169	0.000	652647	0	1.135	N.D.	#
31) L6	Aroclor-1...	0.000	6.544	0	26205035	N.D.	1.249	#
Sum	Aroclor-1254			12840821	33536736	3.659	4.876	
Average	Aroclor-1254					1.220	1.219	
32) L7	Aroclor-1260	6.049	6.051	21434649	30784679	0.252	0.252	
33) L7	Aroclor-1...	6.259	6.203	25820348	36829151	0.250	0.253	
34) L7	Aroclor-1...	6.481	6.480	24091613	29857990	0.250	0.252	
35) L7	Aroclor-1...	6.986	6.950	46162878	61738794	0.252	0.250	
36) L7	Aroclor-1...	7.222	7.246	19938488	26369356	0.247	0.254	
Sum	Aroclor-1260			137.4E6	185.6E6	1.252	1.260	
Average	Aroclor-1260					0.250	0.252	
37) L8	Aroclor-1262	6.302	0.000	6519770	0	1.199	N.D.	#
38) L8	Aroclor-1...	6.599	6.586	10511096	14584205	1.246	1.274	
39) L8	Aroclor-1...	6.790	6.826	9504865	13293571	1.222	1.237	
40) L8	Aroclor-1...	7.019	7.004	2401886	1207847	1.188	1.253	
41) L8	Aroclor-1...	7.279	7.276f	8350439	9315255	1.254	1.253	
Sum	Aroclor-1262			37288057	38400878	6.110	5.017	
Average	Aroclor-1262					1.222	1.254	
42) L9	Aroclor-1268	6.790	6.826	9504865	13293571	1.222	1.237	
43) L9	Aroclor-1...	7.279	7.276f	8350439	9315255	1.254	1.253	
44) L9	Aroclor-1...	7.331f	0.000	65969	0	0.000	N.D.	#
45) L9	Aroclor-1...	0.000	0.000	0	0	N.D.	N.D.	
46) L9	Aroclor-1...	8.110	0.000	49560	0	0.000	N.D.	#
Sum	Aroclor-1268			17970834	22608826	2.477	2.490	
Average	Aroclor-1268					0.619	1.245	

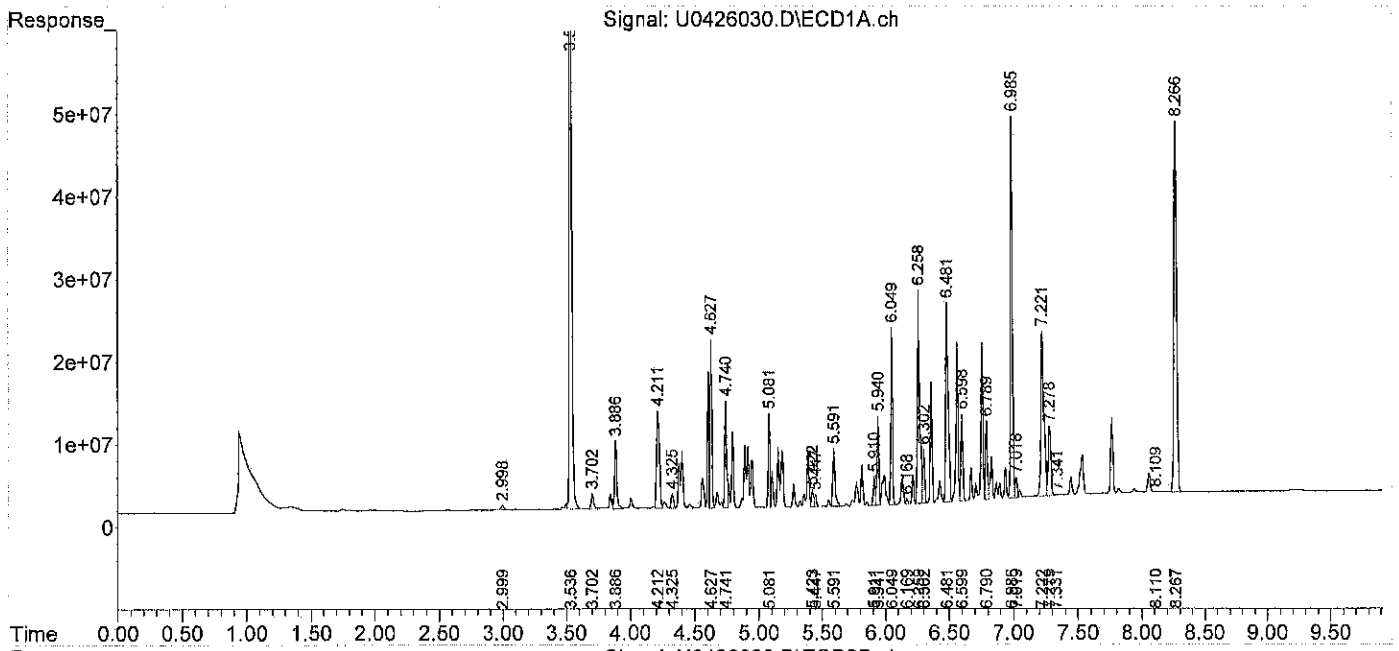
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

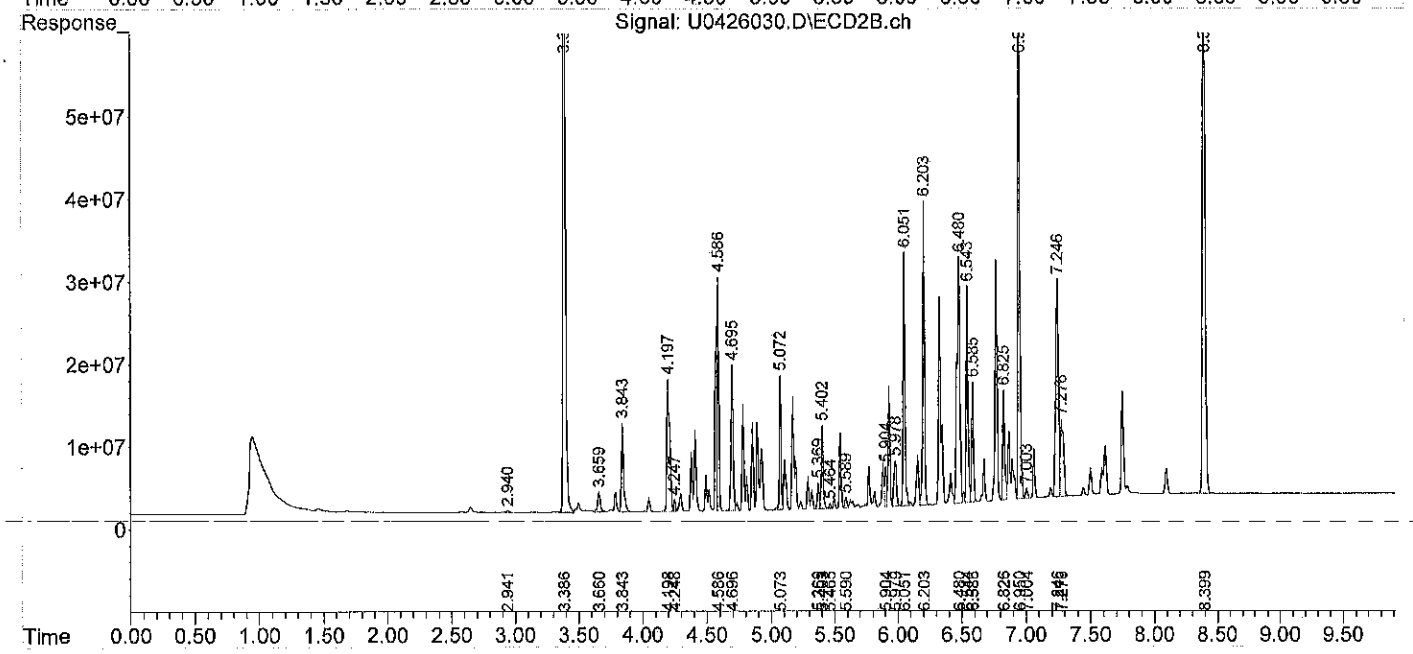
Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 20:40
Operator : LAD
Sample : PCB IC 0.25PPM PS5-016-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:20:03 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 20:52
Operator : LAD
Sample : PCB IC 0.5PPM PS5-016-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:20:17 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
	System Monitoring Compounds							
1)	S TCX	3.535	3.387	168.3E6	226.2E6	0.102	0.100	
	Spiked Amount 0.100			Recovery	= 102.00%		100.00%	
47)	S DCB	8.267	8.399	91646627	128.2E6	0.096	0.097	
	Spiked Amount 0.100			Recovery	= 96.00%		97.00%	
	Target Compounds							
2)	L1 Aroclor-1016	3.886	3.843	15847066	20609574	0.481	0.480	
3)	L1 Aroclor-1...	4.211	4.198	22297130	30390698	0.481	0.480	
4)	L1 Aroclor-1...	4.627	4.586	39690791	55103628	0.492	0.494	
5)	L1 Aroclor-1...	4.741	4.696	24768580	34361646	0.472	0.489	
6)	L1 Aroclor-1...	5.081	5.072	21868242	31731604	0.486	0.489	
	Sum Aroclor-1016			124.5E6	172.2E6	2.412	2.433	
Average	Aroclor-1016					0.482	0.487	
7)	L2 Aroclor-1221	2.997	2.940	681444	347011	0.071	0.026	#
8)	L2 Aroclor-1...	3.702	3.660	3373499	4697196	0.176	0.172	
9)	L2 Aroclor-1...	3.886	3.843	15847066	20609574	0.338	0.341	
10)	L2 Aroclor-1...	4.325	4.248	3223921	2634902	0.476	0.290	#
11)	L2 Aroclor-1...	4.627	4.586	39690791	55103628	6.658	7.027	
	Sum Aroclor-1221			62816722	83392311	7.719	7.857	
Average	Aroclor-1221					1.544	1.571	
12)	L3 Aroclor-1232	3.886	3.843	15847066	20609574	0.401	0.404	
13)	L3 Aroclor-1...	4.211	4.198	22297130	30390698	0.893	0.882	
14)	L3 Aroclor-1...	4.741	4.696	24768580	34361646	0.853	0.899	
15)	L3 Aroclor-1...	5.081	5.072	21868242	31731604	0.964	0.967	
16)	L3 Aroclor-1...	5.423	5.369	3883209	5927765	0.176	0.193	
	Sum Aroclor-1232			88664228	123.0E6	3.287	3.345	
Average	Aroclor-1232					0.657	0.669	
17)	L4 Aroclor-1242	4.627	4.586	39690791	55103628	26.441	0.487	#
18)	L4 Aroclor-1...	4.741	4.696	24768580	34361646	2.361	42.142	#
19)	L4 Aroclor-1...	5.081	5.072	21868242	31731604	6.150	6.319	
20)	L4 Aroclor-1...	5.446	5.403	2594740	19503680	0.067	41.031	#
21)	L4 Aroclor-1...	5.911	5.904	6388554	9134888	0.727	2.062	#
	Sum Aroclor-1242			95310907	149.8E6	35.747	92.040	
Average	Aroclor-1242					7.149	18.408	
22)	L5 Aroclor-1248	4.627	4.586	39690791	55103628	26.441	0.705	#
23)	L5 Aroclor-1...	5.081	5.072	21868242	31731604	6.150	6.319	
24)	L5 Aroclor-1...	5.446	5.403	2594740	19503680	0.030	41.031	#
25)	L5 Aroclor-1...	5.591	5.590	13503037	2379376	0.255	3.716	#

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 20:52
Operator : LAD
Sample : PCB IC 0.5PPM PS5-016-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:20:17 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26) L5	Aroclor-1...	5.911	5.904	6388554	9134888	0.727	2.062	#
Sum	Aroclor-1248			84045364	117.9E6	33.604	53.833	
Average	Aroclor-1248					6.721	10.767	
27) L6	Aroclor-1254	5.446	5.465	2594740	1103316	2.343	2.321	
28) L6	Aroclor-1...	0.000	5.590	0	2379376	N.D.	2.322	#
29) L6	Aroclor-1...	5.941	5.979f	20496213	10340712	2.333	2.334	
30) L6	Aroclor-1...	6.169	6.100f	1248010	825819	2.170	2.143	
31) L6	Aroclor-1...	0.000	6.544	0	50548499	N.D.	2.409	#
Sum	Aroclor-1254			24338963	65197722	6.847	11.530	
Average	Aroclor-1254					2.282	2.306	
32) L7	Aroclor-1260	6.050	6.051	42137334	59649949	0.496	0.487	
33) L7	Aroclor-1...	6.258	6.203	49519057	70903859	0.479	0.487	
34) L7	Aroclor-1...	6.481	6.480	46620006	56969235	0.484	0.481	
35) L7	Aroclor-1...	6.986	6.950	89689724	120.0E6	0.490	0.487	
36) L7	Aroclor-1...	7.222	7.247	38451153	50746498	0.477	0.488	
Sum	Aroclor-1260			266.4E6	358.2E6	2.427	2.430	
Average	Aroclor-1260					0.485	0.486	
37) L8	Aroclor-1262	6.301	0.000	12552777	0	2.309	N.D.	#
38) L8	Aroclor-1...	6.599	6.586	20135903	27906357	2.388	2.437	
39) L8	Aroclor-1...	6.790	6.825	17984402	25083557	2.313	2.334	
40) L8	Aroclor-1...	7.019	7.003	4536988	2319986	2.245	2.406	
41) L8	Aroclor-1...	7.279	7.290	15190751	14364046	2.281	1.932	
Sum	Aroclor-1262			70400821	69673946	11.535	9.110	
Average	Aroclor-1262					2.307	2.277	
42) L9	Aroclor-1268	6.790	6.825	17984402	25083557	2.313	2.334	
43) L9	Aroclor-1...	7.279	7.290	15190751	14364046	2.281	1.932	
44) L9	Aroclor-1...	7.332f	0.000	69581	0	0.000	N.D.	#
45) L9	Aroclor-1...	0.000	0.000	0	0	N.D.	N.D.	
46) L9	Aroclor-1...	8.121	0.000	148965	0	0.000	N.D.	#
Sum	Aroclor-1268			33393699	39447603	4.595	4.266	
Average	Aroclor-1268					1.149	2.133	

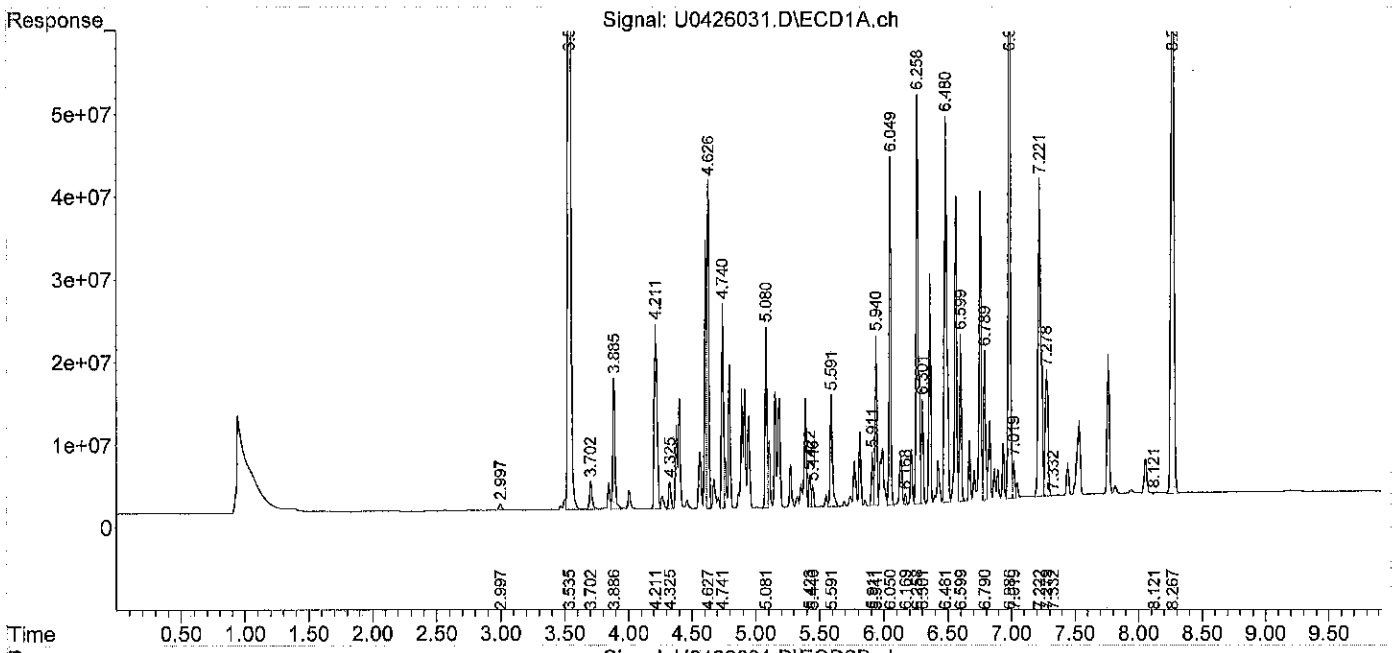
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

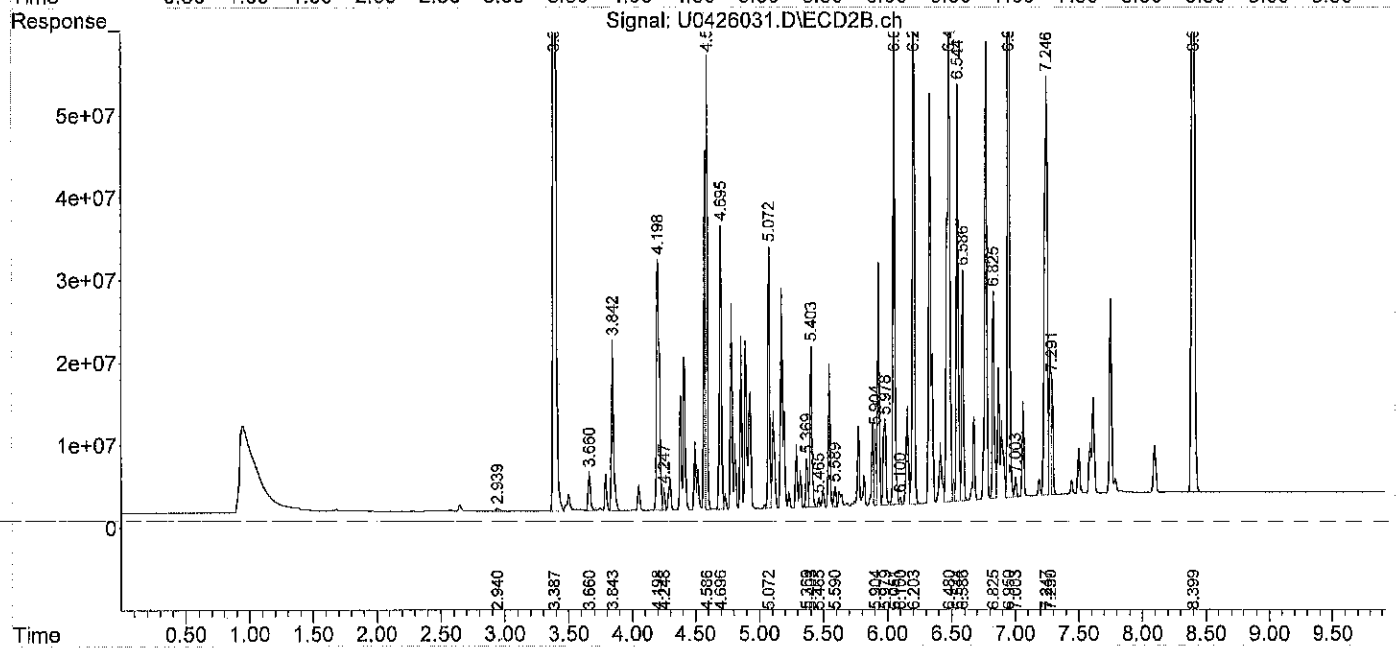
Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 20:52
Operator : LAD
Sample : PCB IC 0.5PPM PS5-016-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:20:17 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 21:04
Operator : LAD
Sample : PCB IC 0.75PPM PS5-016-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:20:32 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
	System Monitoring Compounds							
1) S	TCX	3.536	3.387	243.2E6	339.6E6	0.148	0.151	
Spiked Amount	0.100			Recovery	= 148.00%	151.00%		
47) S	DCB	8.266	8.400	140.1E6	193.8E6	0.147	0.146	
Spiked Amount	0.100			Recovery	= 147.00%	146.00%		
	Target Compounds							
2) L1	Aroclor-1016	3.886	3.843	22594724	30371160	0.686	0.708	
3) L1	Aroclor-1...	4.212	4.198	32622635	44463783	0.704	0.702	
4) L1	Aroclor-1...	4.627	4.587	58111282	82937240	0.720	0.744	
5) L1	Aroclor-1...	4.741	4.696	37555950	50569719	0.716	0.720	
6) L1	Aroclor-1...	5.081	5.073	32303863	46487073	0.718	0.716	
Sum	Aroclor-1016			183.2E6	254.8E6	3.543	3.590	
Average	Aroclor-1016					0.709	0.718	
7) L2	Aroclor-1221	2.998	2.943	829689	502364	0.087	0.038	#
8) L2	Aroclor-1...	3.703	3.661	4815938	6739970	0.252	0.247	
9) L2	Aroclor-1...	3.886	3.843	22594724	30371160	0.482	0.503	
10) L2	Aroclor-1...	4.325	4.248	4658067	3730429	0.688	0.410	#
11) L2	Aroclor-1...	4.627	4.587	58111282	82937240	9.748	10.577	
Sum	Aroclor-1221			91009699	124.3E6	11.256	11.776	
Average	Aroclor-1221					2.251	2.355	
12) L3	Aroclor-1232	3.886	3.843	22594724	30371160	0.572	0.596	
13) L3	Aroclor-1...	4.212	4.198	32622635	44463783	1.307	1.290	
14) L3	Aroclor-1...	4.741	4.696	37555950	50569719	1.293	1.323	
15) L3	Aroclor-1...	5.081	5.073	32303863	46487073	1.424	1.416	
16) L3	Aroclor-1...	5.423	5.369	5720402	8574054	0.259	0.280	
Sum	Aroclor-1232			130.8E6	180.5E6	4.854	4.905	
Average	Aroclor-1232					0.971	0.981	
17) L4	Aroclor-1242	4.627	4.587	58111282	82937240	38.712	0.733	#
18) L4	Aroclor-1...	4.741	4.696	37555950	50569719	3.581	62.019	#
19) L4	Aroclor-1...	5.081	5.073	32303863	46487073	9.084	9.257	
20) L4	Aroclor-1...	5.447	5.403	3906914	28623823	0.101	60.217	#
21) L4	Aroclor-1...	5.912	5.905	9594417	13528680	1.092	3.054	#
Sum	Aroclor-1242			141.5E6	222.1E6	52.571	135.281	
Average	Aroclor-1242					10.514	27.056	
22) L5	Aroclor-1248	4.627	4.587	58111282	82937240	38.712	1.061	#
23) L5	Aroclor-1...	5.081	5.073	32303863	46487073	9.084	9.257	
24) L5	Aroclor-1...	5.447	5.403	3906914	28623823	0.046	60.217	#
25) L5	Aroclor-1...	5.591	5.590	20056011	3567126	0.379	5.572	#

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 21:04
Operator : LAD
Sample : PCB IC 0.75PPM PS5-016-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:20:32 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26) L5	Aroclor-1...	5.912	5.905	9594417	13528680	1.092	3.054	#
Sum	Aroclor-1248			124.0E6	175.1E6	49.314	79.160	
Average	Aroclor-1248					9.863	15.832	
27) L6	Aroclor-1254	5.447	5.465	3906914	1641824	3.528	3.454	
28) L6	Aroclor-1...	0.000	5.590	0	3567126	N.D.	3.481	#
29) L6	Aroclor-1...	5.940	5.980f	30348376	15290050	3.455	3.452	
30) L6	Aroclor-1...	6.169	6.100f	1807813	1205603	3.144	3.129	
31) L6	Aroclor-1...	0.000	6.544	0	75148418	N.D.	3.581	#
Sum	Aroclor-1254			36063103	96853022	10.127	17.097	
Average	Aroclor-1254					3.376	3.419	
32) L7	Aroclor-1260	6.049	6.051	60686210	87111704	0.715	0.712	
33) L7	Aroclor-1...	6.258	6.203	74040812	104.3E6	0.717	0.716	
34) L7	Aroclor-1...	6.481	6.480	68765169	86451538	0.714	0.729	
35) L7	Aroclor-1...	6.986	6.950	128.8E6	180.2E6	0.704	0.731	
36) L7	Aroclor-1...	7.222	7.247	57907810	76163141	0.719	0.733	
Sum	Aroclor-1260			390.2E6	534.2E6	3.568	3.621	
Average	Aroclor-1260					0.714	0.724	
37) L8	Aroclor-1262	6.301	0.000	17830849	0	3.280	N.D.	#
38) L8	Aroclor-1...	6.599	6.587	29623019	42206562	3.513	3.687	
39) L8	Aroclor-1...	6.789	6.825	26159671	37079902	3.364	3.450	
40) L8	Aroclor-1...	7.019	7.004	6582703	3396670	3.257	3.523	
41) L8	Aroclor-1...	7.279	7.276f	22475485	25655680	3.375	3.451	
Sum	Aroclor-1262			102.7E6	108.3E6	16.789	14.111	
Average	Aroclor-1262					3.358	3.528	
42) L9	Aroclor-1268	6.789	6.825	26159671	37079902	3.364	3.450	
43) L9	Aroclor-1...	7.279	7.276f	22475485	25655680	3.375	3.451	
44) L9	Aroclor-1...	7.346f	0.000	91770	0	0.000	N.D.	#
45) L9	Aroclor-1...	0.000	0.000	0	0	N.D.	N.D.	
46) L9	Aroclor-1...	8.108	0.000	179506	0	0.000	N.D.	#
Sum	Aroclor-1268			48906431	62735582	6.740	6.901	
Average	Aroclor-1268					1.685	3.451	

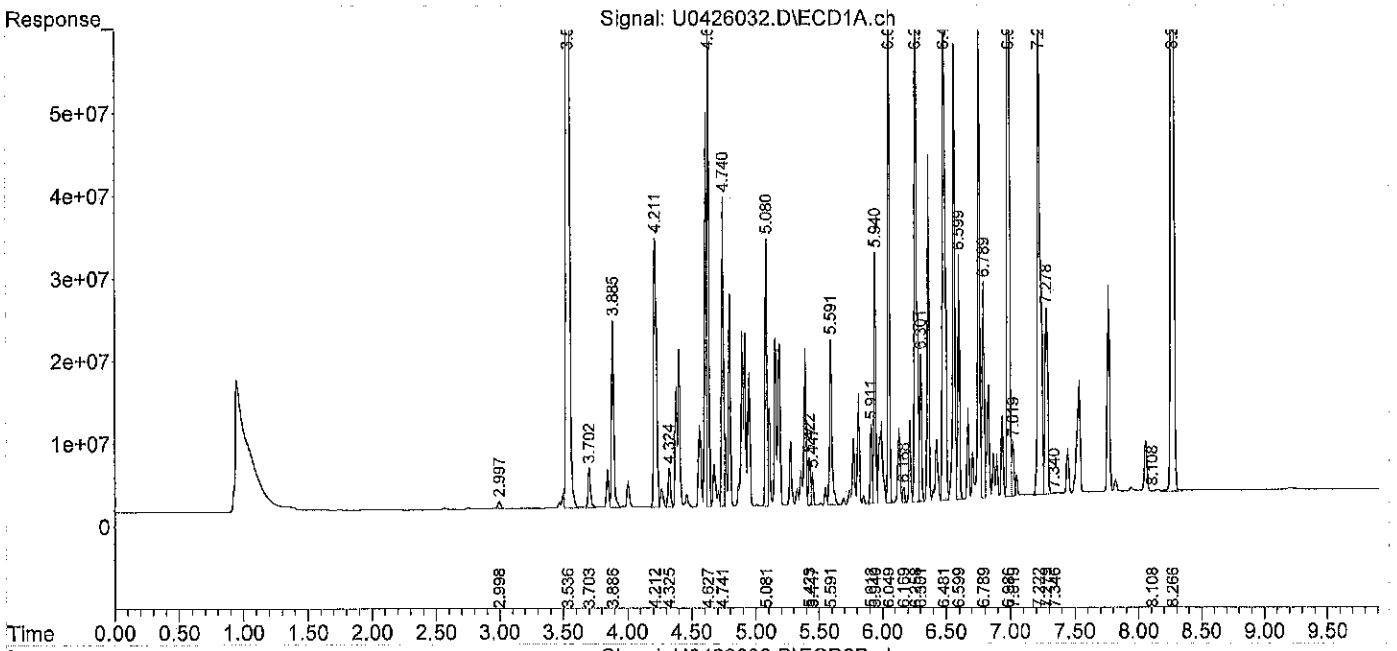
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

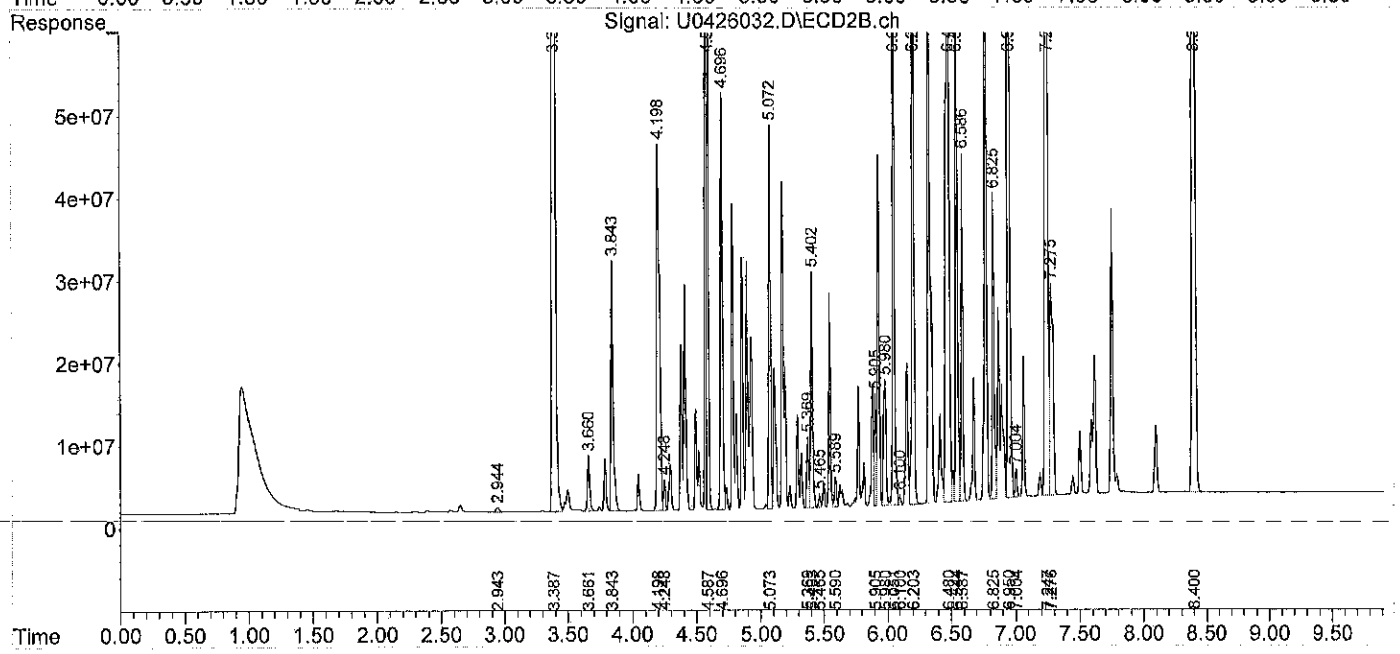
Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 21:04
Operator : LAD
Sample : PCB IC 0.75PPM PS5-016-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:20:32 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 21:16
Operator : LAD
Sample : PCB IC 1.0PPM PS5-016-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:20:46 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
	System Monitoring Compounds							
1) S	TCX	3.536	3.387	309.2E6	434.4E6	0.188	0.193	
Spiked Amount	0.100			Recovery	=	188.00%	193.00%	
47) S	DCB	8.267	8.400	179.7E6	250.3E6	0.188	0.189	
Spiked Amount	0.100			Recovery	=	188.00%	189.00%	
	Target Compounds							
2) L1	Aroclor-1016	3.886	3.843	29141526	38690388	0.885	0.901	
3) L1	Aroclor-1...	4.212	4.198	42340704	57553640	0.913	0.909	
4) L1	Aroclor-1...	4.627	4.586	75525743	108.5E6	0.935	0.974	
5) L1	Aroclor-1...	4.741	4.696	48568003	67134051	0.925	0.956	
6) L1	Aroclor-1...	5.081	5.072	41754082	61159740	0.928	0.942	
Sum	Aroclor-1016			237.3E6	333.1E6	4.587	4.682	
Average	Aroclor-1016					0.917	0.936	
7) L2	Aroclor-1221	2.997	2.943	774092	586227	0.081	0.044	#
8) L2	Aroclor-1...	3.703	3.660	6118527	8481557	0.320	0.311	
9) L2	Aroclor-1...	3.886	3.843	29141526	38690388	0.621	0.641	
10) L2	Aroclor-1...	4.325	4.247	6096184	4757006	0.901	0.523	#
11) L2	Aroclor-1...	4.627	4.586	75525743	108.5E6	12.669	13.839	
Sum	Aroclor-1221			117.7E6	161.0E6	14.591	15.359	
Average	Aroclor-1221					2.918	3.072	
12) L3	Aroclor-1232	3.886	3.843	29141526	38690388	0.737	0.759	
13) L3	Aroclor-1...	4.212	4.198	42340704	57553640	1.696	1.670	
14) L3	Aroclor-1...	4.741	4.696	48568003	67134051	1.672	1.756	
15) L3	Aroclor-1...	5.081	5.072	41754082	61159740	1.840	1.864	
16) L3	Aroclor-1...	5.423	5.369	7426056	11301901	0.336	0.369	
Sum	Aroclor-1232			169.2E6	235.8E6	6.282	6.417	
Average	Aroclor-1232					1.256	1.283	
17) L4	Aroclor-1242	4.627	4.586	75525743	108.5E6	50.313	0.959	#
18) L4	Aroclor-1...	4.741	4.696	48568003	67134051	4.631	82.334	#
19) L4	Aroclor-1...	5.081	5.072	41754082	61159740	11.742	12.179	
20) L4	Aroclor-1...	5.447	5.403	5131018	37696385	0.133	79.303	#
21) L4	Aroclor-1...	5.911	5.905	12197461	17748917	1.389	4.007	#
Sum	Aroclor-1242			183.2E6	292.3E6	68.207	178.782	
Average	Aroclor-1242					13.641	35.756	
22) L5	Aroclor-1248	4.627	4.586	75525743	108.5E6	50.313	1.388	#
23) L5	Aroclor-1...	5.081	5.072	41754082	61159740	11.742	12.179	
24) L5	Aroclor-1...	5.447	5.403	5131018	37696385	0.060	79.303	#
25) L5	Aroclor-1...	5.591	5.589	25785971	4630379	0.488	7.232	#

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 21:16
Operator : LAD
Sample : PCB IC 1.0PPM PS5-016-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:20:46 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26) L5	Aroclor-1...	5.911	5.905	12197461	17748917	1.389	4.007	#
Sum	Aroclor-1248			160.4E6	229.7E6	63.992	104.109	
Average	Aroclor-1248					12.798	20.822	
27) L6	Aroclor-1254	5.447	5.465	5131018	2118201	4.634	4.456	
28) L6	Aroclor-1...	0.000	5.589	0	4630379	N.D.	4.519	#
29) L6	Aroclor-1...	5.941	5.979f	40363061	20075711	4.595	4.532	
30) L6	Aroclor-1...	6.169	0.000	2353189	0	4.092	N.D.	#
31) L6	Aroclor-1...	0.000	6.544	0	98905033	N.D.	4.713	#
Sum	Aroclor-1254			47847268	125.7E6	13.321	18.220	
Average	Aroclor-1254					4.440	4.555	
32) L7	Aroclor-1260	6.049	6.051	81100843	117.2E6	0.955	0.958	
33) L7	Aroclor-1...	6.258	6.203	96431138	135.5E6	0.933	0.931	
34) L7	Aroclor-1...	6.481	6.480	90960526	112.1E6	0.944	0.946	
35) L7	Aroclor-1...	6.986	6.950	173.4E6	244.8E6	0.948	0.993	
36) L7	Aroclor-1...	7.222	7.247	75147888	100.4E6	0.933	0.966	
Sum	Aroclor-1260			517.0E6	710.0E6	4.713	4.793	
Average	Aroclor-1260					0.943	0.959	
37) L8	Aroclor-1262	6.302	0.000	23695042	0	4.359	N.D.	#
38) L8	Aroclor-1...	6.599	6.586f	38026670	55298403	4.509	4.830	
39) L8	Aroclor-1...	6.790	6.825	34755493	48653551	4.469	4.527	
40) L8	Aroclor-1...	7.019	7.004	8478940	4366000	4.195	4.528	
41) L8	Aroclor-1...	7.279	7.290	29615979	28158074	4.447	3.788	
Sum	Aroclor-1262			134.6E6	136.5E6	21.980	17.673	
Average	Aroclor-1262					4.396	4.418	
42) L9	Aroclor-1268	6.790	6.825	34755493	48653551	4.469	4.527	
43) L9	Aroclor-1...	7.279	7.290	29615979	28158074	4.447	3.788	
44) L9	Aroclor-1...	7.343f	0.000	104498	0	0.001	N.D.	#
45) L9	Aroclor-1...	0.000	0.000	0	0	N.D.	N.D.	
46) L9	Aroclor-1...	0.000	0.000	0	0	N.D.	N.D.	
Sum	Aroclor-1268			64475971	76811625	8.917	8.315	
Average	Aroclor-1268					2.972	4.157	

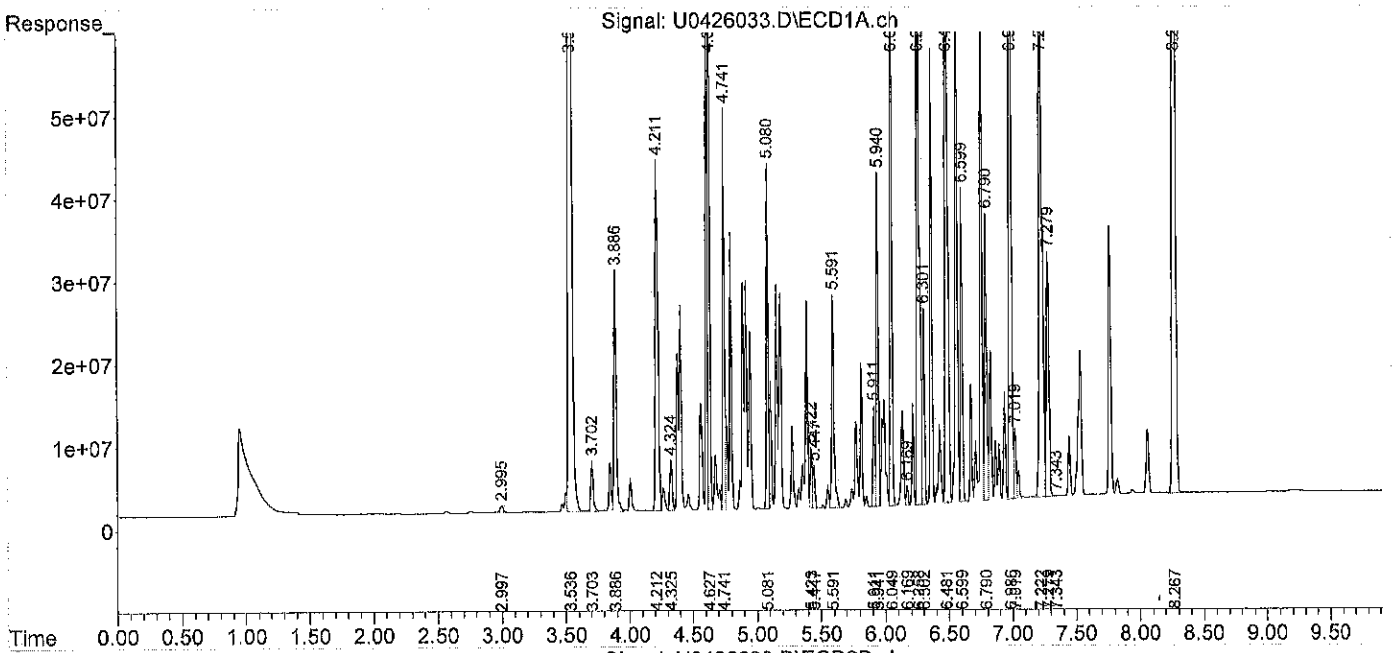
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

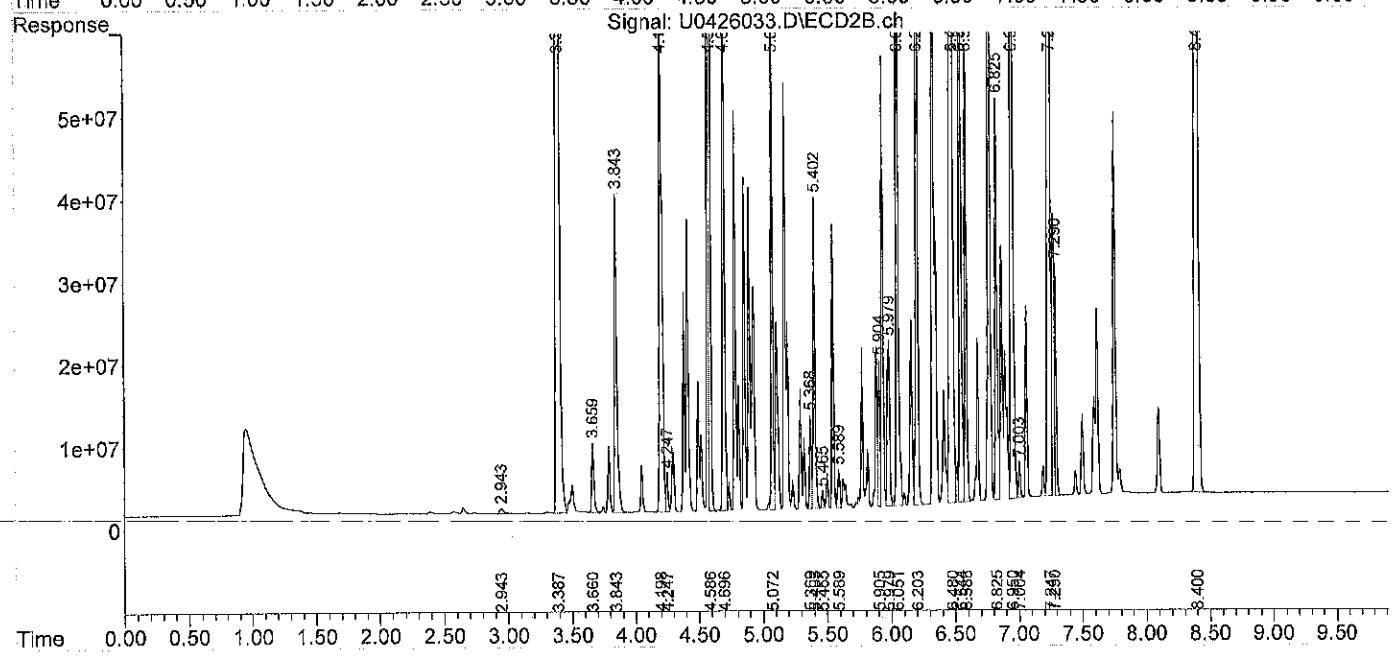
Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 21:16
Operator : LAD
Sample : PCB IC 1.0PPM PS5-016-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:20:46 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 21:28
Operator : LAD
Sample : PCB IC 2.0PPM PS5-016-17
Misc :
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:21:00 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
	System Monitoring Compounds							
1) S	TCX	3.536	3.387	674.5E6	928.4E6	0.409	0.412	
Spiked Amount	0.100			Recovery	= 409.00%	412.00%		
47) S	DCB	8.267	8.400	368.6E6	528.4E6	0.386	0.398	
Spiked Amount	0.100			Recovery	= 386.00%	398.00%		
	Target Compounds							
2) L1	Aroclor-1016	3.885	3.843	58034980	75258417	1.762	1.753	
3) L1	Aroclor-1...	4.211	4.198	82733585	113.2E6	1.785	1.788	
4) L1	Aroclor-1...	4.627	4.587	154.9E6	223.1E6	1.919	2.002	
5) L1	Aroclor-1...	4.741	4.696	95324644	135.2E6	1.816	1.925	
6) L1	Aroclor-1...	5.081	5.072	83410824	125.2E6	1.854	1.928	
Sum	Aroclor-1016			474.4E6	672.0E6	9.137	9.396	
Average	Aroclor-1016					1.827	1.879	
7) L2	Aroclor-1221	2.995	2.940	1100103	1140939	0.115	0.086	#
8) L2	Aroclor-1...	3.702	3.659	12154889	17085786	0.635	0.627	
9) L2	Aroclor-1...	3.885	3.843	58034980	75258417	1.237	1.247	
10) L2	Aroclor-1...	4.324	4.248	11923664	9145535	1.761	1.006	#
11) L2	Aroclor-1...	4.627	4.587	154.9E6	223.1E6	25.991	28.454	
Sum	Aroclor-1221			238.2E6	325.7E6	29.740	31.420	
Average	Aroclor-1221					5.948	6.284	
12) L3	Aroclor-1232	3.885	3.843	58034980	75258417	1.469	1.477	
13) L3	Aroclor-1...	4.211	4.198	82733585	113.2E6	3.314	3.284	
14) L3	Aroclor-1...	4.741	4.696	95324644	135.2E6	3.282	3.536	
15) L3	Aroclor-1...	5.081	5.072	83410824	125.2E6	3.676	3.815	
16) L3	Aroclor-1...	5.423	5.369	14985189	22828142	0.678	0.745	
Sum	Aroclor-1232			334.5E6	471.7E6	12.419	12.856	
Average	Aroclor-1232					2.484	2.571	
17) L4	Aroclor-1242	4.627	4.587	154.9E6	223.1E6	103.220	1.973	#
18) L4	Aroclor-1...	4.741	4.696	95324644	135.2E6	9.088	165.781	#
19) L4	Aroclor-1...	5.081	5.072	83410824	125.2E6	23.457	24.931	
20) L4	Aroclor-1...	5.447	5.403	9969928	77135130	0.258	162.272	#
21) L4	Aroclor-1...	5.911	5.904	25076765	35470262	2.855	8.007	#
Sum	Aroclor-1242			368.7E6	596.1E6	138.878	362.963	
Average	Aroclor-1242					27.776	72.593	
22) L5	Aroclor-1248	4.627	4.587	154.9E6	223.1E6	103.220	2.853	#
23) L5	Aroclor-1...	5.081	5.072	83410824	125.2E6	23.457	24.931	
24) L5	Aroclor-1...	5.447	5.403	9969928	77135130	0.117	162.272	#
25) L5	Aroclor-1...	5.592	5.590	51601279	9016590	0.976	14.083	#

Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 21:28
Operator : LAD
Sample : PCB IC 2.0PPM PS5-016-17
Misc :
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:21:00 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

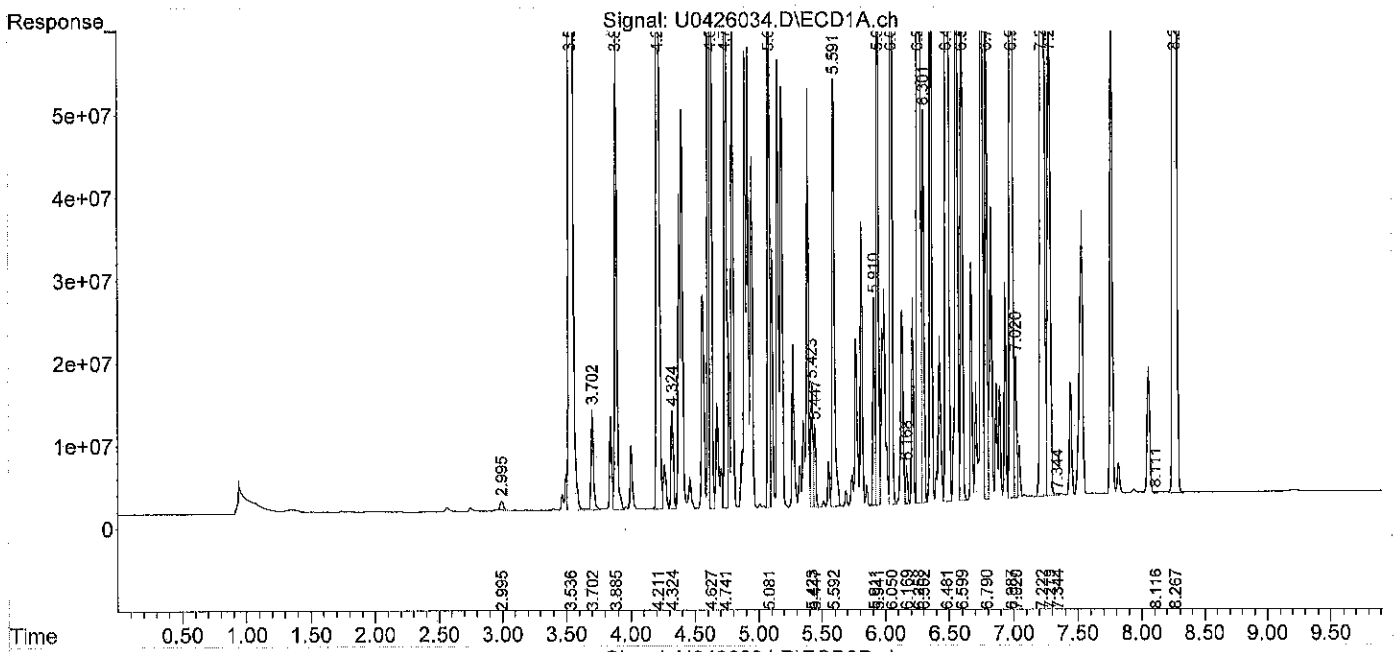
	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26) L5	Aroclor-1...	5.911	5.904	25076765	35470262	2.855	8.007	#
Sum	Aroclor-1248			325.0E6	469.9E6	130.624	212.146	
Average	Aroclor-1248					26.125	42.429	
27) L6	Aroclor-1254	5.447	5.465	9969928	4116219	9.004	8.659	
28) L6	Aroclor-1...	0.000	5.590	0	9016590	N.D.	8.799	#
29) L6	Aroclor-1...	5.941	5.979f	81323635	41058508	9.258	9.269	
30) L6	Aroclor-1...	6.169	6.100f	4653697	2965302	8.093	7.696	
31) L6	Aroclor-1...	0.000	6.545	0	201.9E6	N.D.	9.623	#
Sum	Aroclor-1254			95947261	259.1E6	26.355	44.046	
Average	Aroclor-1254					8.785	8.809	
32) L7	Aroclor-1260	6.050	6.051	163.5E6	236.5E6	1.925	1.933	
33) L7	Aroclor-1...	6.258	6.203	191.6E6	277.3E6	1.854	1.904	
34) L7	Aroclor-1...	6.481	6.480	187.8E6	229.9E6	1.949	1.939	
35) L7	Aroclor-1...	6.987	6.951	359.2E6	495.4E6	1.964	2.010	
36) L7	Aroclor-1...	7.222	7.247	154.7E6	204.8E6	1.920	1.970	
Sum	Aroclor-1260			1056.8E6	1443.9E6	9.613	9.756	
Average	Aroclor-1260					1.923	1.951	
37) L8	Aroclor-1262	6.302	0.000	47494221	0	8.738	N.D.	#
38) L8	Aroclor-1...	6.599	6.586	78627079	112.3E6	9.324	9.809	
39) L8	Aroclor-1...	6.790	6.826	69400750	100.2E6	8.924	9.324	
40) L8	Aroclor-1...	7.020	7.004	17017958	8908818	8.419	9.240	
41) L8	Aroclor-1...	7.279	7.277f	58708428	69771286	8.816	9.386	
Sum	Aroclor-1262			271.2E6	291.2E6	44.221	37.759	
Average	Aroclor-1262					8.844	9.440	
42) L9	Aroclor-1268	6.790	6.826	69400750	100.2E6	8.924	9.324	
43) L9	Aroclor-1...	7.279	7.277f	58708428	69771286	8.816	9.386	
44) L9	Aroclor-1...	7.344f	0.000	178652	0	0.001	N.D.	#
45) L9	Aroclor-1...	0.000	0.000	0	0	N.D.	N.D.	
46) L9	Aroclor-1...	8.116	0.000	164617	0	0.000	N.D.	#
Sum	Aroclor-1268			128.5E6	170.0E6	17.742	18.710	
Average	Aroclor-1268					4.435	9.355	

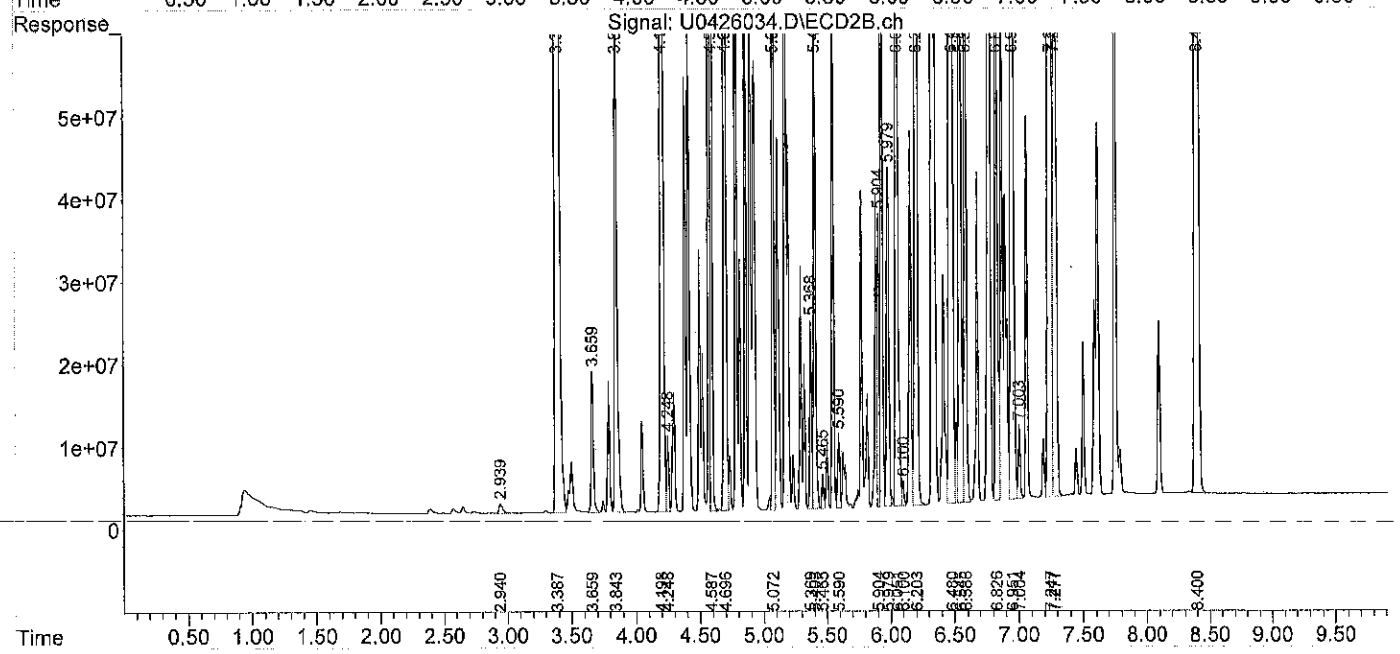
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 21:28
Operator : LAD
Sample : PCB IC 2.0PPM PS5-016-17
Misc :
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:21:00 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426Q36.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 21:51
Operator : LAD
Sample : PCB ICV 0.5PPM PS5-017-11
Misc :
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:21:18 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
	System Monitoring Compounds							
1) S	TCX	3.535	3.387	153.7E6	212.6E6	0.093	0.094	
Spiked Amount	0.100			Recovery	=	93.00%	94.00%	
47) S	DCB	8.266	8.399	96100765	133.3E6	0.101	0.100	
Spiked Amount	0.100			Recovery	=	101.00%	100.00%	
	Target Compounds							
2) L1	Aroclor-1016	3.885	3.843	14421938	19444444	0.438	0.453	
3) L1	Aroclor-1...	4.211	4.198	23192255	30355084	0.500	0.479	
4) L1	Aroclor-1...	4.627	4.586	38957194	56846407	0.483	0.510	
5) L1	Aroclor-1...	4.741	4.696	24427213	33597058	0.465	0.479	
6) L1	Aroclor-1...	5.080	5.072	20691401	30973706	0.460	0.477	
Sum	Aroclor-1016			121.7E6	171.2E6	2.346	2.398	
Average	Aroclor-1016					0.469	0.480	
7) L2	Aroclor-1221	2.997	2.916	639451	937608	0.067	0.071	
8) L2	Aroclor-1...	3.702	3.643	2896244	23024833	0.151	0.845	#
9) L2	Aroclor-1...	3.885	3.843	14421938	19444444	0.308	0.322	
10) L2	Aroclor-1...	4.324	4.248	4262095	2368261	0.630	0.261	#
11) L2	Aroclor-1...	4.627	4.586	38957194	56846407	6.535	7.250	
Sum	Aroclor-1221			61176921	102.6E6	7.690	8.748	
Average	Aroclor-1221					1.538	1.750	
12) L3	Aroclor-1232	3.885	3.843	14421938	19444444	0.365	0.382	
13) L3	Aroclor-1...	4.211	4.198	23192255	30355084	0.929	0.881	
14) L3	Aroclor-1...	4.741	4.696	24427213	33597058	0.841	0.879	
15) L3	Aroclor-1...	5.080	5.072	20691401	30973706	0.912	0.944	
16) L3	Aroclor-1...	5.422	5.369	3341429	4768498	0.151	0.156	
Sum	Aroclor-1232			86074235	119.1E6	3.198	3.240	
Average	Aroclor-1232					0.640	0.648	
17) L4	Aroclor-1242	4.627	4.586	38957194	56846407	25.952	0.503	#
18) L4	Aroclor-1...	4.741	4.696	24427213	33597058	2.329	41.204	#
19) L4	Aroclor-1...	5.080	5.072	20691401	30973706	5.819	6.168	
20) L4	Aroclor-1...	5.447	5.403	2407478	21556949	0.062	45.350	#
21) L4	Aroclor-1...	5.911	5.905	9640851	12989235	1.098	2.932	#
Sum	Aroclor-1242			96124136	156.0E6	35.260	96.157	
Average	Aroclor-1242					7.052	19.231	
22) L5	Aroclor-1248	4.627	4.586	38957194	56846407	25.952	0.727	#
23) L5	Aroclor-1...	5.080	5.072	20691401	30973706	5.819	6.168	
24) L5	Aroclor-1...	5.447	5.403	2407478	21556949	0.028	45.350	#
25) L5	Aroclor-1...	5.591	5.589	16293286	2466539	0.308	3.853	#

Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 21:51
Operator : LAD
Sample : PCB ICV 0.5PPM PS5-017-11
Misc :
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:21:18 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

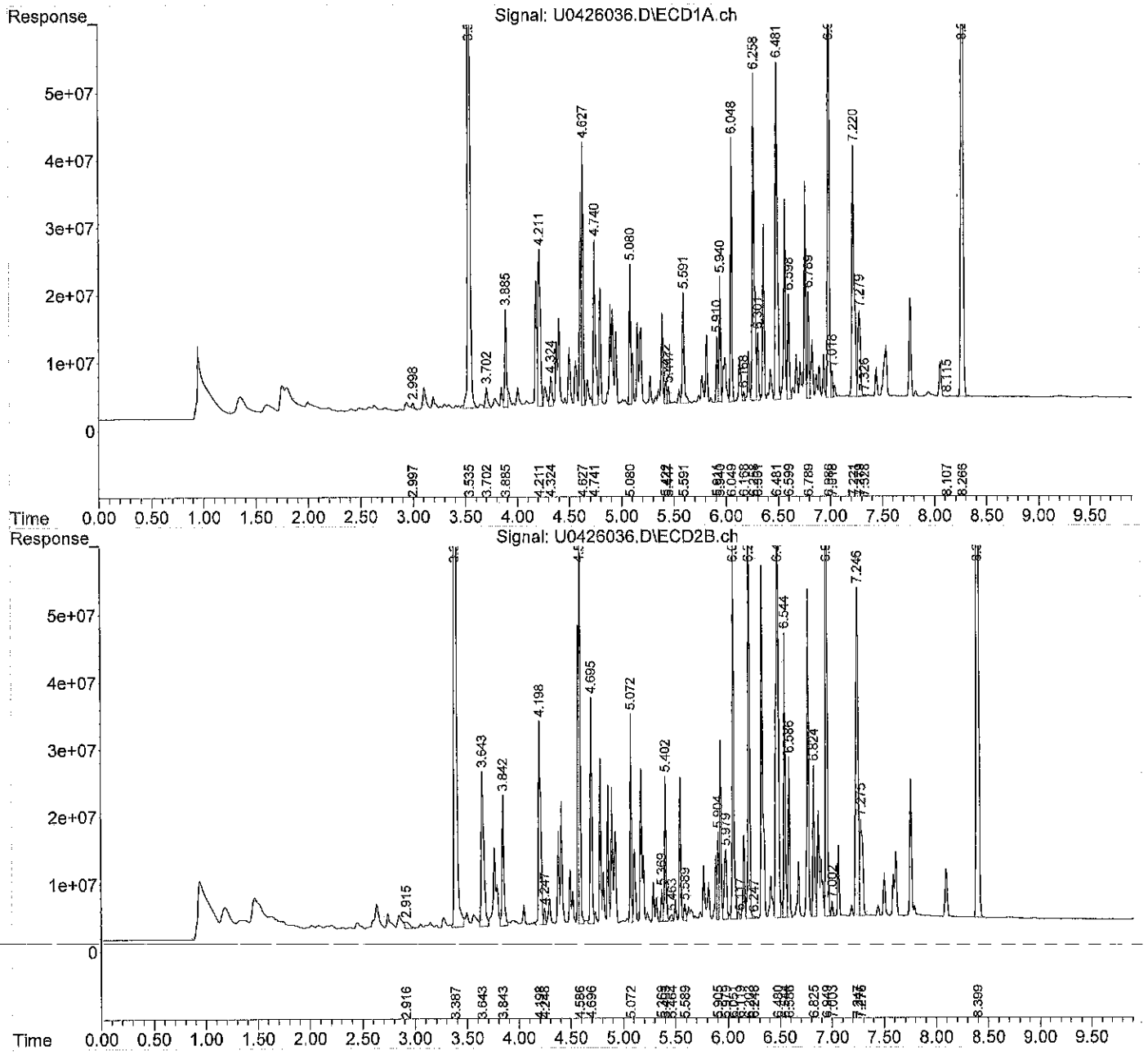
	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26)	L5 Aroclor-1...	5.911	5.905	9640851	12989235	1.098	2.932	#
	Sum Aroclor-1248			87990209	124.8E6	33.205	59.030	
Average	Aroclor-1248					6.641	11.806	
27)	L6 Aroclor-1254	5.447	5.464	2407478	930918	2.174	1.958	
28)	L6 Aroclor-1...	0.000	5.589	0	2466539	N.D.	2.407	#
29)	L6 Aroclor-1...	5.940	5.979f	18543280	10391084	2.111	2.346	
30)	L6 Aroclor-1...	6.168	6.119	1343279	656911	2.336	1.705	#
31)	L6 Aroclor-1...	0.000	6.544	0	42323131	N.D.	2.017	#
	Sum Aroclor-1254			22294037	56768584	6.621	10.433	
Average	Aroclor-1254					2.207	2.087	
32)	L7 Aroclor-1260	6.049	6.051	39052038	58052711	0.460	0.474	
33)	L7 Aroclor-1...	6.258	6.203	48384980	69064166	0.468	0.474	
34)	L7 Aroclor-1...	6.481	6.480	50040898	64359028	0.519	0.543	
35)	L7 Aroclor-1...	6.986	6.949	76999129	105.3E6	0.421	0.427	
36)	L7 Aroclor-1...	7.221	7.247	37161563	48791715	0.461	0.469	
	Sum Aroclor-1260			251.6E6	345.5E6	2.330	2.388	
Average	Aroclor-1260					0.466	0.478	
37)	L8 Aroclor-1262	6.301	6.248	9941263	384779	1.829	2.375	#
38)	L8 Aroclor-1...	6.599	6.586f	15522552	23830080	1.841	2.081	
39)	L8 Aroclor-1...	6.789	6.825	15742918	22512041	2.024	2.094	
40)	L8 Aroclor-1...	7.018f	7.003	3922346	2133216	1.941	2.212	
41)	L8 Aroclor-1...	7.279	0.000	12625677	0	1.896	N.D.	#
	Sum Aroclor-1262			57754756	48860117	9.530	8.764	
Average	Aroclor-1262					1.906	2.191	
42)	L9 Aroclor-1268	6.789	6.825	15742918	22512041	2.024	2.094	
43)	L9 Aroclor-1...	7.279	7.276f	12625677	14241703	1.896	1.916	
44)	L9 Aroclor-1...	7.328	0.000	207881	0	0.001	N.D.	#
45)	L9 Aroclor-1...	0.000	0.000	0	0	N.D.	N.D.	
46)	L9 Aroclor-1...	8.107	0.000	71224	0	0.000	N.D.	#
	Sum Aroclor-1268			28647700	36753743	3.922	4.010	
Average	Aroclor-1268					0.980	2.005	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 21:51
Operator : LAD
Sample : PCB ICV 0.5PPM PS5-017-11
Misc :
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:21:18 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 22:03
Operator : LAD
Sample : AR 1221 SPQ PS5-016-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:24:17 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:24:00 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
	System Monitoring Compounds							
1)	S TCX	3.534	3.386	178737	170086	0.000	0.000	#
	Spiked Amount 0.100			Recovery	=	0.00%	0.00%	
47)	S DCB	8.269	0.000	185783	0	0.000	N.D.	#
	Spiked Amount 0.100			Recovery	=	0.00%	0.00%	
	Target Compounds							
2)	L1 Aroclor-1016	3.885	3.843	23449199	30177436	0.712	0.703	
3)	L1 Aroclor-1...	4.212	4.194	1812191	3232236	0.039	0.051	#
4)	L1 Aroclor-1...	4.627	4.587	2980684	3920603	0.037	0.035	
5)	L1 Aroclor-1...	4.741	4.697	2286041	2723375	0.044	0.039	
6)	L1 Aroclor-1...	5.081	5.073	659524	982996	0.015	0.015	
	Sum Aroclor-1016			31187640	41036645	0.846	0.843	
Average	Aroclor-1016					0.169	0.169	
7)	L2 Aroclor-1221	2.986	2.939	4793762	6633529	0.500	0.500	
8)	L2 Aroclor-1...	3.702	3.660	9573644	13625217	0.500	0.500	
9)	L2 Aroclor-1...	3.885	3.843	23449199	30177436	0.500	0.500	
10)	L2 Aroclor-1...	4.330	4.248	3384811	4545456	0.500	0.500	
11)	L2 Aroclor-1...	4.627	4.587	2980684	3920603	0.500	0.500	
	Sum Aroclor-1221			44182101	58902241	2.500	2.500	
Average	Aroclor-1221					0.500	0.500	
12)	L3 Aroclor-1232	3.885	3.843	23449199	30177436	0.593	0.592	
13)	L3 Aroclor-1...	4.212	4.194	1812191	3232236	0.073	0.094	#
14)	L3 Aroclor-1...	4.741	4.697	2286041	2723375	0.079	0.071	
15)	L3 Aroclor-1...	5.081	5.073	659524	982996	0.029	0.030	
16)	L3 Aroclor-1...	5.423	5.368	760711	1027065	0.034	0.034	
	Sum Aroclor-1232			28967666	38143107	0.808	0.821	
Average	Aroclor-1232					0.162	0.164	
17)	L4 Aroclor-1242	4.627	4.587	2980684	3920603	1.986	0.035	#
18)	L4 Aroclor-1...	4.741	4.697	2286041	2723375	0.218	3.340	#
19)	L4 Aroclor-1...	5.081	5.073	659524	982996	0.185	0.196	
20)	L4 Aroclor-1...	5.447	5.404	551382	1631560	0.014	3.432	#
21)	L4 Aroclor-1...	5.911	5.905	1203271	1631727	0.137	0.368	#
	Sum Aroclor-1242			7680902	10890260	2.540	7.371	
Average	Aroclor-1242					0.508	1.474	
22)	L5 Aroclor-1248	4.627	4.587	2980684	3920603	1.986	0.050	#
23)	L5 Aroclor-1...	5.081	5.073	659524	982996	0.185	0.196	
24)	L5 Aroclor-1...	5.447	5.404	551382	1631560	0.006	3.432	#
25)	L5 Aroclor-1...	5.589	5.589	1092180	943725	0.021	1.474	#

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 22:03
Operator : LAD
Sample : AR 1221 SPQ PS5-016-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:24:17 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:24:00 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26) L5	Aroclor-1...	5.911	5.905	1203271	1631727	0.137	0.368	#
Sum	Aroclor-1248			6487041	9110610	2.335	5.521	
Average	Aroclor-1248					0.467	1.104	
27) L6	Aroclor-1254	5.447	5.465	551382	201913	0.498	0.425	
28) L6	Aroclor-1...	5.624	5.589	405922	943725	6.245	0.921	#
29) L6	Aroclor-1...	5.942	5.982f	205564	140044	0.023	0.032	#
30) L6	Aroclor-1...	6.188	6.103f	78793	55268	0.137	0.143	
31) L6	Aroclor-1...	0.000	6.553f	0	300791	N.D.	0.014	#
Sum	Aroclor-1254			1241662	1641742	6.904	1.535	
Average	Aroclor-1254					1.726	0.307	
32) L7	Aroclor-1260	6.050	6.073	499185	962116	0.006	0.008	#
33) L7	Aroclor-1...	6.258	6.203	501278	724127	0.005	0.005	
34) L7	Aroclor-1...	6.482	6.480	685291	911108	0.007	0.008	
35) L7	Aroclor-1...	6.986	6.948	321843	466695	0.002	0.002	
36) L7	Aroclor-1...	7.222	7.247	152364	114575	0.002	0.001	#
Sum	Aroclor-1260			2159960	3178622	0.021	0.024	
Average	Aroclor-1260					0.004	0.005	
37) L8	Aroclor-1262	6.305	6.253	61041	72261	0.011	0.446	#
38) L8	Aroclor-1...	6.599	6.586f	89217	143602	0.011	0.013	
39) L8	Aroclor-1...	6.790	6.826	99855	183982	0.013	0.017	#
40) L8	Aroclor-1...	7.020	0.000	124780	0	0.062	N.D.	#
41) L8	Aroclor-1...	7.273f	0.000	91096	0	0.014	N.D.	#
Sum	Aroclor-1262			465989	399845	0.110	0.476	
Average	Aroclor-1262					0.022	0.159	
42) L9	Aroclor-1268	6.790	6.826	99855	183982	0.013	0.017	#
43) L9	Aroclor-1...	7.273f	0.000	91096	0	0.014	N.D.	#
44) L9	Aroclor-1...	7.332f	0.000	109005	0	0.001	N.D.	#
45) L9	Aroclor-1...	0.000	0.000	0	0	N.D.	N.D.	
46) L9	Aroclor-1...	8.113	0.000	164446	0	0.000	N.D.	#
Sum	Aroclor-1268			464402	183982	0.028	0.017	
Average	Aroclor-1268					0.007	0.017	

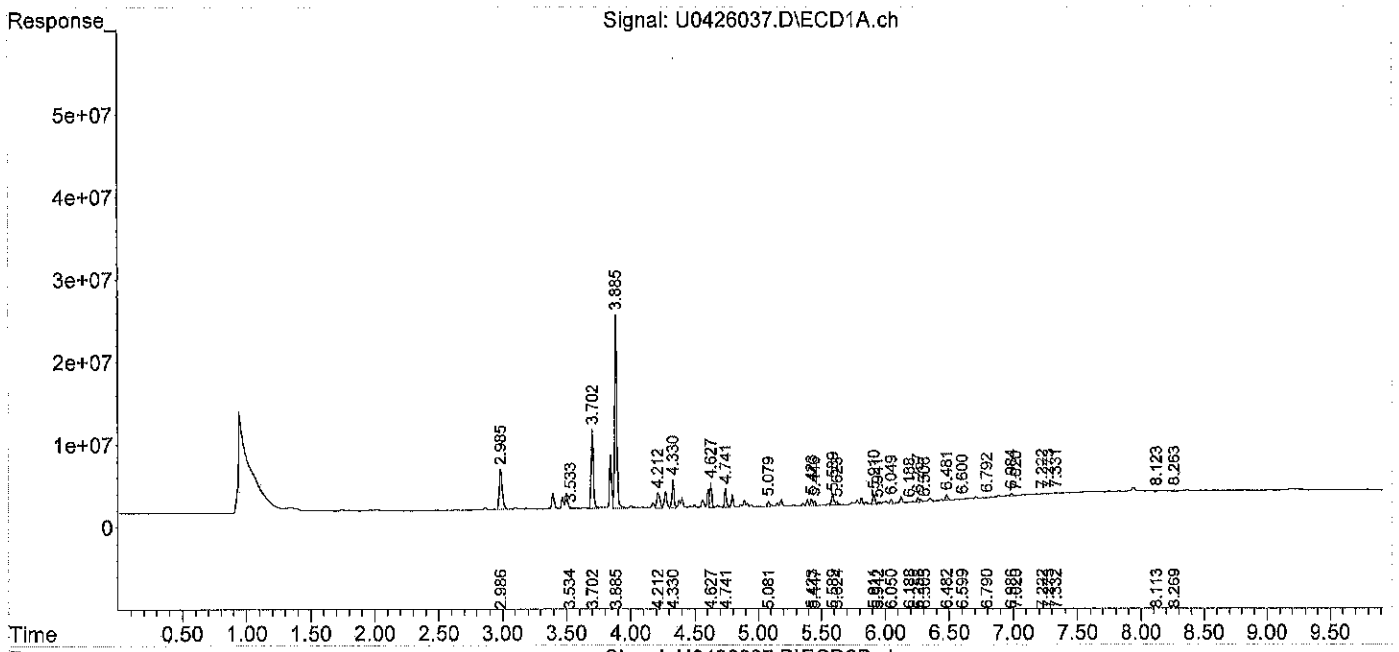
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

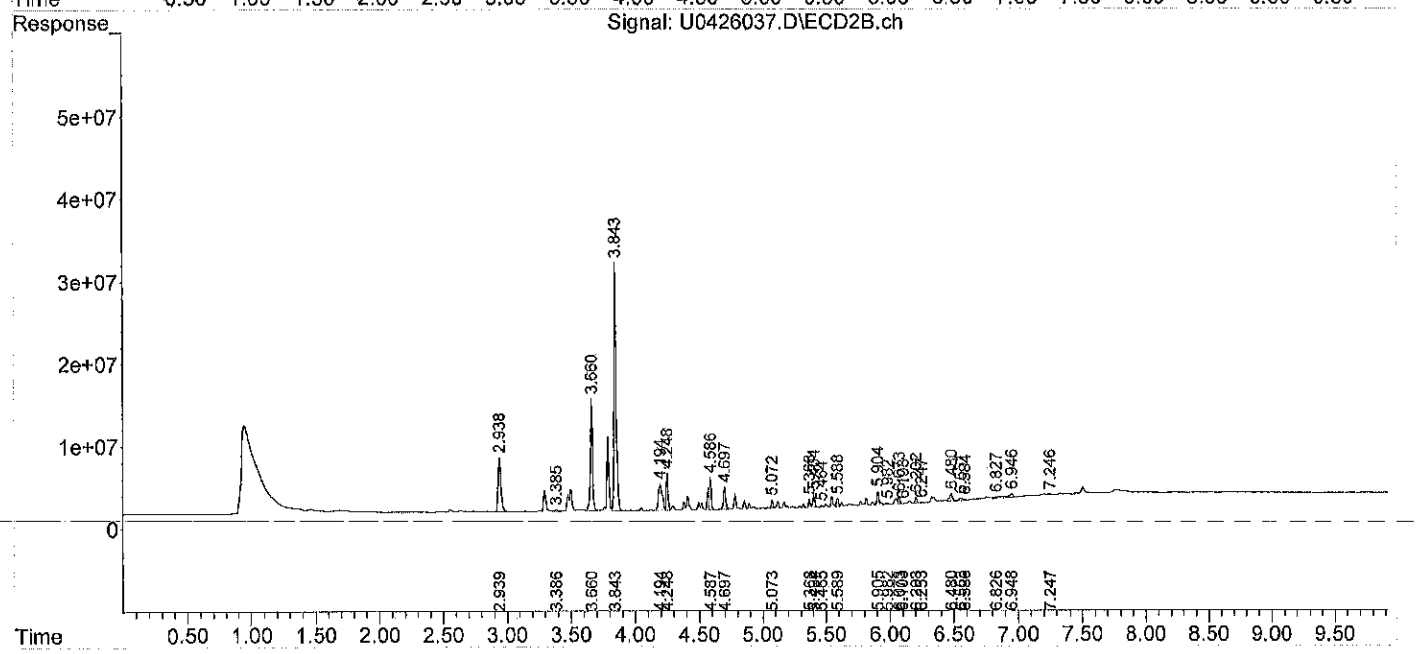
Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 22:03
Operator : LAD
Sample : AR 1221 SPQ PS5-016-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:24:17 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:24:00 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 22:15
Operator : LAD
Sample : AR 1232 SPQ PS5-016-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:24:27 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
	System Monitoring Compounds							
1) S	TCX	3.549	3.379	87440	26768	0.000	0.000	#
Spiked Amount	0.100			Recovery	=	0.00%	0.00%	
47) S	DCB	8.265	0.000	152283	0	0.000	N.D.	#
Spiked Amount	0.100			Recovery	=	0.00%	0.00%	
	Target Compounds							
2) L1	Aroclor-1016	3.885	3.843	19758054	25481938	0.600	0.594	
3) L1	Aroclor-1...	4.212	4.198	12481796	17235741	0.269	0.272	
4) L1	Aroclor-1...	4.627	4.586	21967851	31459808	0.272	0.282	
5) L1	Aroclor-1...	4.741	4.696	14521064	19114817	0.277	0.272	
6) L1	Aroclor-1...	5.081	5.072	11345445	16409784	0.252	0.253	
Sum	Aroclor-1016			80074210	109.7E6	1.670	1.673	
Average	Aroclor-1016					0.334	0.335	
7) L2	Aroclor-1221	2.986	2.938	2967107	4026241	0.309	0.303	
8) L2	Aroclor-1...	3.702	3.660	6407583	8886301	0.335	0.326	
9) L2	Aroclor-1...	3.885	3.843	19758054	25481938	0.421	0.422	
10) L2	Aroclor-1...	4.328	4.248	3201071	3760041	0.473	0.414	
11) L2	Aroclor-1...	4.627	4.586	21967851	31459808	3.685	4.012	
Sum	Aroclor-1221			54301666	73614329	5.223	5.477	
Average	Aroclor-1221					1.045	1.095	
12) L3	Aroclor-1232	3.885	3.843	19758054	25481938	0.500	0.500	
13) L3	Aroclor-1...	4.212	4.198	12481796	17235741	0.500	0.500	
14) L3	Aroclor-1...	4.741	4.696	14521064	19114817	0.500	0.500	
15) L3	Aroclor-1...	5.081	5.072	11345445	16409784	0.500	0.500	
16) L3	Aroclor-1...	5.422	5.368	11048819	15320950	0.500	0.500	
Sum	Aroclor-1232			69155177	93563230	2.500	2.500	
Average	Aroclor-1232					0.500	0.500	
17) L4	Aroclor-1242	4.627	4.586	21967851	31459808	14.634	0.278	#
18) L4	Aroclor-1...	4.741	4.696	14521064	19114817	1.384	23.443	#
19) L4	Aroclor-1...	5.081	5.072	11345445	16409784	3.191	3.268	
20) L4	Aroclor-1...	5.448	5.406	10603674	17056072	0.274	35.881	#
21) L4	Aroclor-1...	5.911	5.905	2910182	4123034	0.331	0.931	#
Sum	Aroclor-1242			61348216	88163514	19.815	63.801	
Average	Aroclor-1242					3.963	12.760	
22) L5	Aroclor-1248	4.627	4.586	21967851	31459808	14.634	0.402	#
23) L5	Aroclor-1...	5.081	5.072	11345445	16409784	3.191	3.268	
24) L5	Aroclor-1...	5.448	5.406	10603674	17056072	0.124	35.881	#
25) L5	Aroclor-1...	5.579	5.586	6248440	15575605	0.118	24.328	#

Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 22:15
Operator : LAD
Sample : AR 1232 SPQ PS5-016-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:24:27 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26) L5	Aroclor-1...	5.911	5.905	2910182	4123034	0.331	0.931	#
Sum	Aroclor-1248			53075593	84624302	18.399	64.810	
Average	Aroclor-1248					3.680	12.962	
27) L6	Aroclor-1254	5.448	5.464	10603674	908901	9.576	1.912	#
28) L6	Aroclor-1...	0.000	5.586	0	15575605	N.D.	15.199	#
29) L6	Aroclor-1...	5.941	0.000	250708	0	0.029	N.D.	#
30) L6	Aroclor-1...	6.176	0.000	169368	0	0.295	N.D.	#
31) L6	Aroclor-1...	0.000	6.545	0	538826	N.D.	0.026	#
Sum	Aroclor-1254			11023750	17023332	9.899	17.137	
Average	Aroclor-1254					3.300	5.712	
32) L7	Aroclor-1260	6.049	6.073	572457	2544905	0.007	0.021	#
33) L7	Aroclor-1...	6.258	6.203	684106	942689	0.007	0.006	
34) L7	Aroclor-1...	6.481	6.480	744768	900357	0.008	0.008	
35) L7	Aroclor-1...	6.985	6.949	944009	1274427	0.005	0.005	
36) L7	Aroclor-1...	7.222	7.247	491320	526004	0.006	0.005	
Sum	Aroclor-1260			3436661	6188382	0.032	0.045	
Average	Aroclor-1260					0.006	0.009	
37) L8	Aroclor-1262	6.302	6.254	106268	47780	0.020	0.295	#
38) L8	Aroclor-1...	6.599	6.586	226851	285872	0.027	0.025	
39) L8	Aroclor-1...	6.789	6.825	215823	309099	0.028	0.029	
40) L8	Aroclor-1...	7.021	0.000	147769	0	0.073	N.D.	#
41) L8	Aroclor-1...	7.279	0.000	200531	0	0.030	N.D.	#
Sum	Aroclor-1262			897242	642750	0.177	0.349	
Average	Aroclor-1262					0.035	0.116	
42) L9	Aroclor-1268	6.789	6.825	215823	309099	0.028	0.029	
43) L9	Aroclor-1...	7.279	7.275f	200531	168004	0.030	0.023	
44) L9	Aroclor-1...	7.333f	0.000	123428	0	0.001	N.D.	#
45) L9	Aroclor-1...	7.498	0.000	79666	0	0.000	N.D.	#
46) L9	Aroclor-1...	8.107	0.000	171188	0	0.000	N.D.	#
Sum	Aroclor-1268			790637	477103	0.059	0.051	
Average	Aroclor-1268					0.012	0.026	

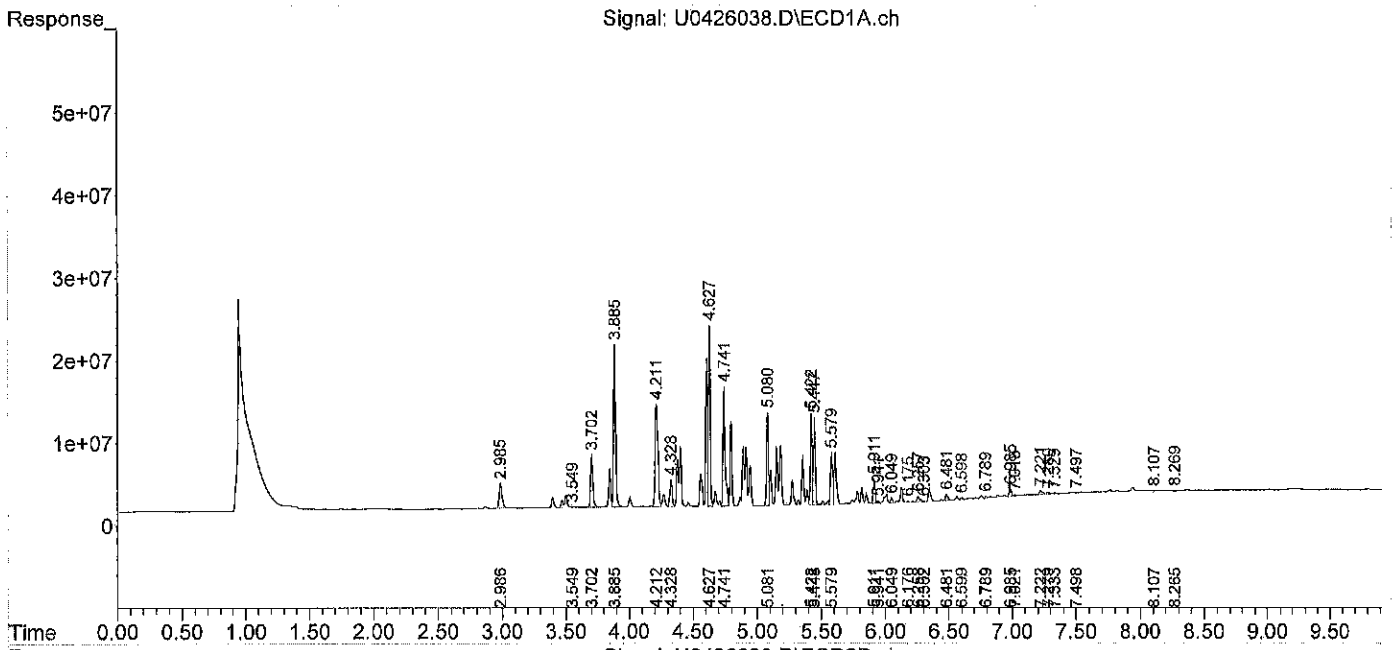
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

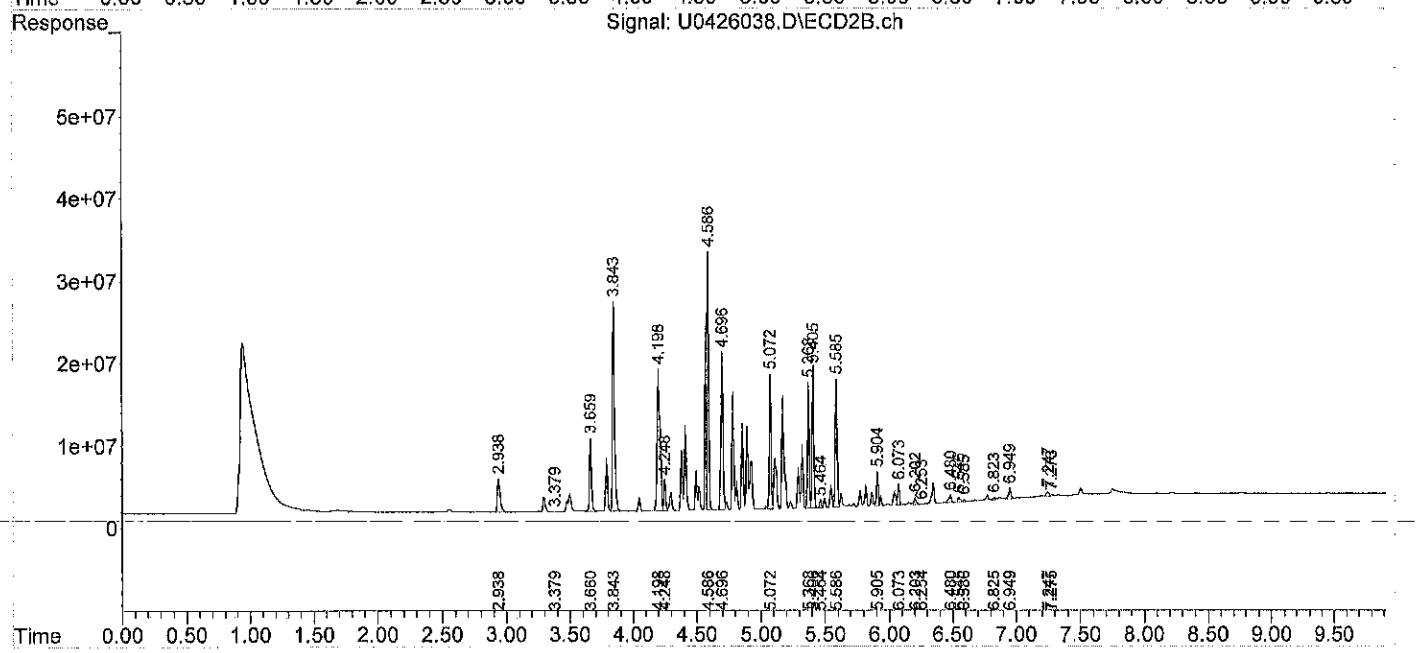
Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 22:15
Operator : LAD
Sample : AR 1232 SPQ PS5-016-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:24:27 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 22:27
Operator : LAD
Sample : AR 1242 SPQ PS5-016-03
Misc :
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:26:59 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:26:56 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
	System Monitoring Compounds							
1)	S TCX	0.000	3.386	0	112566	N.D.	0.000	#
	Spiked Amount 0.100			Recovery	=	0.00%	0.00%	
47)	S DCB	8.266	0.000	177173	0	0.000	N.D.	#
	Spiked Amount 0.100			Recovery	=	0.00%	0.00%	
	Target Compounds							
2)	L1 Aroclor-1016	3.885	3.843	15852097	20897142	0.481	0.487	
3)	L1 Aroclor-1...	4.211	4.197	23137324	31065727	0.499	0.491	
4)	L1 Aroclor-1...	4.627	4.586	41385064	58240699	0.513	0.523	
5)	L1 Aroclor-1...	4.741	4.696	26708487	36381148	0.509	0.518	
6)	L1 Aroclor-1...	5.080	5.072	23010472	33273654	0.512	0.512	
	Sum Aroclor-1016			130.1E6	179.9E6	2.514	2.531	
	Average Aroclor-1016					0.503	0.506	
7)	L2 Aroclor-1221	2.988	2.941	223677	341105	0.023	0.026	
8)	L2 Aroclor-1...	3.702	3.660	3408082	4791720	0.178	0.176	
9)	L2 Aroclor-1...	3.885	3.843	15852097	20897142	0.338	0.346	
10)	L2 Aroclor-1...	4.324	4.248	3322005	2688199	0.491	0.296	#
11)	L2 Aroclor-1...	4.627	4.586	41385064	58240699	6.942	7.428	
	Sum Aroclor-1221			64190925	86958864	7.972	8.271	
	Average Aroclor-1221					1.594	1.654	
12)	L3 Aroclor-1232	3.885	3.843	15852097	20897142	0.401	0.410	
13)	L3 Aroclor-1...	4.211	4.197	23137324	31065727	0.927	0.901	
14)	L3 Aroclor-1...	4.741	4.696	26708487	36381148	0.920	0.952	
15)	L3 Aroclor-1...	5.080	5.072	23010472	33273654	1.014	1.014	
16)	L3 Aroclor-1...	5.422	5.368	23155219	31765062	1.048	1.037	
	Sum Aroclor-1232			111.9E6	153.4E6	4.310	4.313	
	Average Aroclor-1232					0.862	0.863	
17)	L4 Aroclor-1242	4.627	4.586	41385064	58240699	0.500	0.500	
18)	L4 Aroclor-1...	4.741	4.696	26708487	36381148	0.500	0.500	
19)	L4 Aroclor-1...	5.080	5.072	23010472	33273654	0.500	0.500	
20)	L4 Aroclor-1...	5.447	5.406	21470171	36947679	0.500	0.500	
21)	L4 Aroclor-1...	5.911	5.905	10508899	14887814	0.500	0.500	
	Sum Aroclor-1242			123.1E6	179.7E6	2.500	2.500	
	Average Aroclor-1242					0.500	0.500	
22)	L5 Aroclor-1248	4.627	4.586	41385064	58240699	27.570	0.745	#
23)	L5 Aroclor-1...	5.080	5.072	23010472	33273654	6.471	6.626	
24)	L5 Aroclor-1...	5.447	5.406	21470171	36947679	0.252	77.728	#
25)	L5 Aroclor-1...	5.579	5.586	14769223	33135752	0.279	51.756	#

Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 22:27
Operator : LAD
Sample : AR 1242 SPQ PS5-016-03
Misc :
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:26:59 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:26:56 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

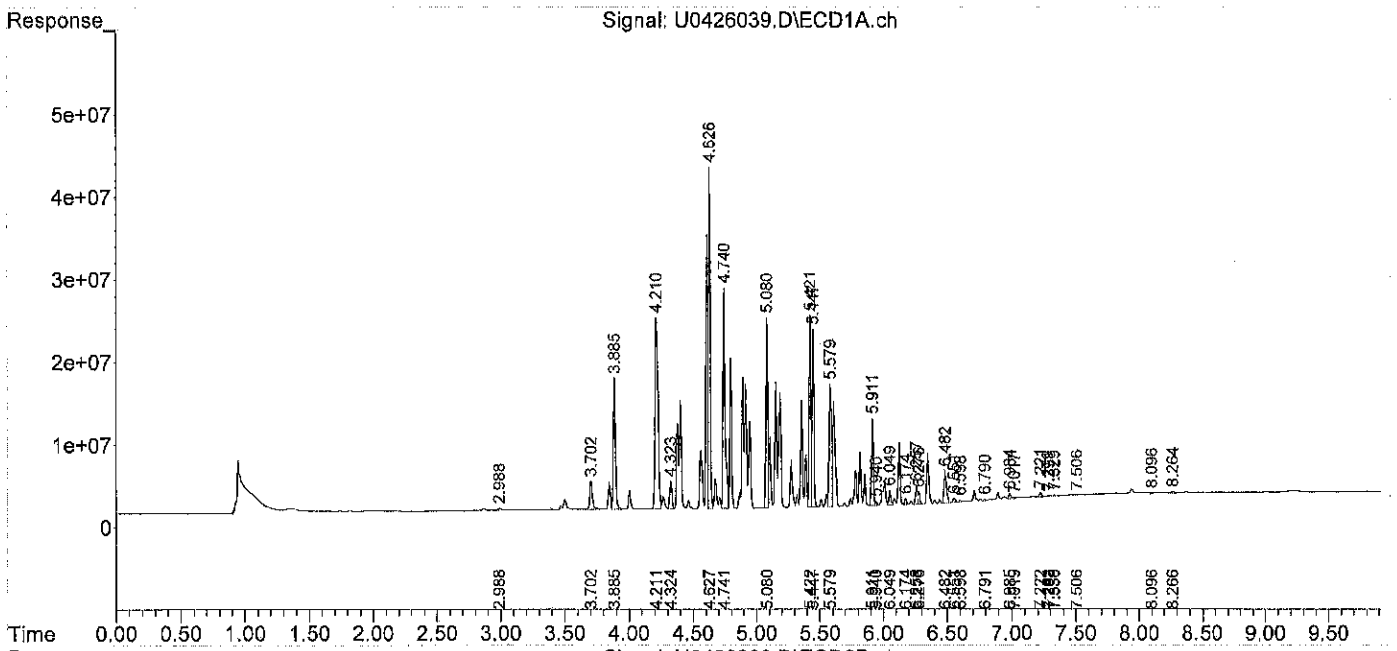
	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26) L5	Aroclor-1...	5.911	5.905	10508899	14887814	1.196	3.361	#
Sum	Aroclor-1248			111.1E6	176.5E6	35.768	140.216	
Average	Aroclor-1248					7.154	28.043	
27) L6	Aroclor-1254	5.447	5.465	21470171	2664196	19.390	5.605	#
28) L6	Aroclor-1...	0.000	5.586	0	33135752	N.D.	32.335	#
29) L6	Aroclor-1...	5.940	0.000	493658	0	0.056	N.D.	#
30) L6	Aroclor-1...	6.174	0.000	735846	0	1.280	N.D.	#
31) L6	Aroclor-1...	6.551f	0.000	489553	0	0.005	N.D.	#
Sum	Aroclor-1254			23189228	35799948	20.731	37.940	
Average	Aroclor-1254					5.183	18.970	
32) L7	Aroclor-1260	6.049	6.073	1738799	10530039	0.020	0.086	#
33) L7	Aroclor-1...	6.258	6.203	2198754	3044710	0.021	0.021	
34) L7	Aroclor-1...	6.482	6.480	3841275	5124939	0.040	0.043	
35) L7	Aroclor-1...	6.985	6.948	604269	824237	0.003	0.003	
36) L7	Aroclor-1...	7.222	7.249	469725	466501	0.006	0.004	
Sum	Aroclor-1260			8852823	19990426	0.091	0.158	
Average	Aroclor-1260					0.018	0.032	
37) L8	Aroclor-1262	6.276f	0.000	1481308	0	0.273	N.D.	#
38) L8	Aroclor-1...	6.598	6.586	219006	270955	0.026	0.024	
39) L8	Aroclor-1...	6.791	6.825	171652	211132	0.022	0.020	
40) L8	Aroclor-1...	7.019f	0.000	127695	0	0.063	N.D.	#
41) L8	Aroclor-1...	7.283	0.000	65850	0	0.010	N.D.	#
Sum	Aroclor-1262			2065510	482087	0.394	0.043	
Average	Aroclor-1262					0.079	0.022	
42) L9	Aroclor-1268	6.791	6.825	171652	211132	0.022	0.020	
43) L9	Aroclor-1...	7.292	0.000	59348	0	0.009	N.D.	#
44) L9	Aroclor-1...	7.330	0.000	99385	0	0.001	N.D.	#
45) L9	Aroclor-1...	7.506f	0.000	59569	0	0.000	N.D.	#
46) L9	Aroclor-1...	8.096	0.000	114812	0	0.000	N.D.	#
Sum	Aroclor-1268			504765	211132	0.032	0.020	
Average	Aroclor-1268					0.006	0.020	

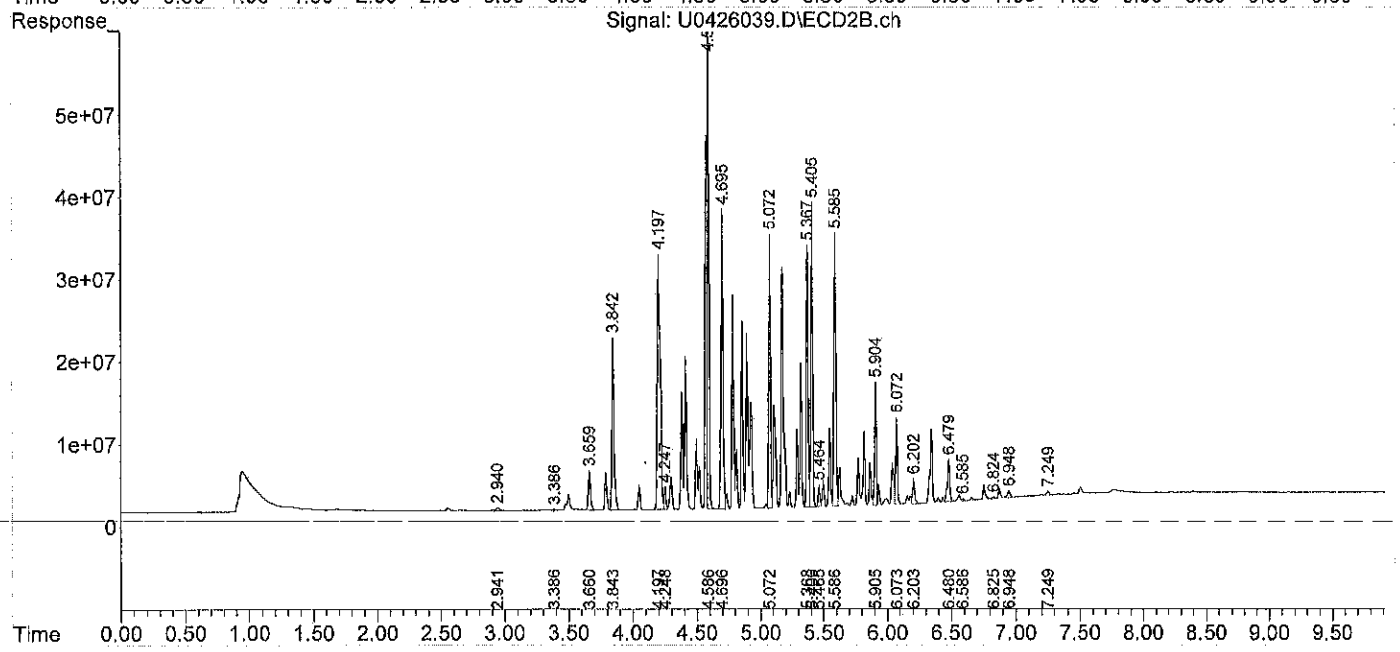
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 22:27
Operator : LAD
Sample : AR 1242 SPQ PS5-016-03
Misc :
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:26:59 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:26:56 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 22:39
Operator : LAD
Sample : AR 1248 SPQ PS5-016-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:29:23 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:29:21 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
	System Monitoring Compounds							
1) S	TCX	3.542	3.387	111060	31986	0.000	0.000	#
Spiked Amount	0.100			Recovery	=	0.00%	0.00%	
47) S	DCB	8.266	0.000	170282	0	0.000	N.D.	#
Spiked Amount	0.100			Recovery	=	0.00%	0.00%	
	Target Compounds							
2) L1	Aroclor-1016	3.886	3.844	4991177	5939747	0.152	0.138	
3) L1	Aroclor-1...	4.211	4.198	16309168	22438927	0.352	0.354	
4) L1	Aroclor-1...	4.627	4.586	29174101	41647648	0.361	0.374	
5) L1	Aroclor-1...	4.741	4.695	16987435	27318694	0.324	0.389	
6) L1	Aroclor-1...	5.081	5.073	43475016	63114572	0.966	0.972	
Sum	Aroclor-1016			110.9E6	160.5E6	2.155	2.227	
Average	Aroclor-1016					0.431	0.445	
7) L2	Aroclor-1221	2.996	2.945	146176	207453	0.015	0.016	
8) L2	Aroclor-1...	3.705	3.662	1574157	2160278	0.082	0.079	
9) L2	Aroclor-1...	3.886	3.844	4991177	5939747	0.106	0.098	
10) L2	Aroclor-1...	4.323	4.248	1292325	690185	0.191	0.076	#
11) L2	Aroclor-1...	4.627	4.586	29174101	41647648	4.894	5.311	
Sum	Aroclor-1221			37177936	50645311	5.289	5.581	
Average	Aroclor-1221					1.058	1.116	
12) L3	Aroclor-1232	3.886	3.844	4991177	5939747	0.126	0.117	
13) L3	Aroclor-1...	4.211	4.198	16309168	22438927	0.653	0.651	
14) L3	Aroclor-1...	4.741	4.695	16987435	27318694	0.585	0.715	
15) L3	Aroclor-1...	5.081	5.073	43475016	63114572	1.916	1.923	
16) L3	Aroclor-1...	5.422	5.368	49225583	68529872	2.228	2.236	
Sum	Aroclor-1232			131.0E6	187.3E6	5.508	5.642	
Average	Aroclor-1232					1.102	1.128	
17) L4	Aroclor-1242	4.627	4.586	29174101	41647648	0.352	0.358	
18) L4	Aroclor-1...	4.741	4.695	16987435	27318694	0.318	0.375	
19) L4	Aroclor-1...	5.081	5.073	43475016	63114572	0.945	0.948	
20) L4	Aroclor-1...	5.448	5.405	41581323	74257699	0.968	1.005	
21) L4	Aroclor-1...	5.911	5.905	26788244	37890662	1.275	1.273	
Sum	Aroclor-1242			158.0E6	244.2E6	3.858	3.959	
Average	Aroclor-1242					0.772	0.792	
22) L5	Aroclor-1248	4.627	4.586	29174101	41647648	0.500	0.500	
23) L5	Aroclor-1...	5.081	5.073	43475016	63114572	0.500	0.500	
24) L5	Aroclor-1...	5.448	5.405	41581323	74257699	0.500	0.500	
25) L5	Aroclor-1...	5.580	5.587	30122981	65718068	0.500	0.500	

Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 22:39
Operator : LAD
Sample : AR 1248 SPQ PS5-016-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:29:23 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:29:21 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26) L5	Aroclor-1...	5.911	5.905	26788244	37890662	0.500	0.500	
Sum	Aroclor-1248			171.1E6	282.6E6	2.500	2.500	
Average	Aroclor-1248					0.500	0.500	
27) L6	Aroclor-1254	5.448	5.465	41581323	6701358	37.553	14.098	#
28) L6	Aroclor-1...	0.000	5.587	0	65718068	N.D.	64.131	#
29) L6	Aroclor-1...	5.940	0.000	799619	0	0.091	N.D.	#
30) L6	Aroclor-1...	6.175	0.000	1625236	0	2.826	N.D.	#
31) L6	Aroclor-1...	0.000	6.545	0	1147968	N.D.	0.055	#
Sum	Aroclor-1254			44006178	73567394	40.470	78.283	
Average	Aroclor-1254					13.490	26.094	
32) L7	Aroclor-1260	6.049	6.073	2369167	24225212	0.028	0.198	#
33) L7	Aroclor-1...	6.257	6.203	2894568	3679765	0.028	0.025	
34) L7	Aroclor-1...	6.482	6.480	4353332	5777745	0.045	0.049	
35) L7	Aroclor-1...	6.986	6.950	1537189	2102965	0.008	0.009	
36) L7	Aroclor-1...	7.221	7.239	654917	897329	0.008	0.009	
Sum	Aroclor-1260			11809174	36683016	0.118	0.289	
Average	Aroclor-1260					0.024	0.058	
37) L8	Aroclor-1262	6.301	6.253	236742	52213	0.044	0.322	#
38) L8	Aroclor-1...	6.599	6.586	414927	603297	0.049	0.053	
39) L8	Aroclor-1...	6.790	6.826	331540	468537	0.043	0.044	
40) L8	Aroclor-1...	7.018f	0.000	160710	0	0.080	N.D.	#
41) L8	Aroclor-1...	7.278	7.277f	452344	467508	0.068	0.063	
Sum	Aroclor-1262			1596264	1591555	0.283	0.481	
Average	Aroclor-1262					0.057	0.120	
42) L9	Aroclor-1268	6.790	6.826	331540	468537	0.043	0.044	
43) L9	Aroclor-1...	7.278f	7.277f	452344	467508	0.068	0.063	
44) L9	Aroclor-1...	7.335f	0.000	103974	0	0.001	N.D.	#
45) L9	Aroclor-1...	7.473f	0.000	37563	0	0.000	N.D.	#
46) L9	Aroclor-1...	8.110	0.000	162007	0	0.000	N.D.	#
Sum	Aroclor-1268			1087429	936045	0.112	0.106	
Average	Aroclor-1268					0.022	0.053	

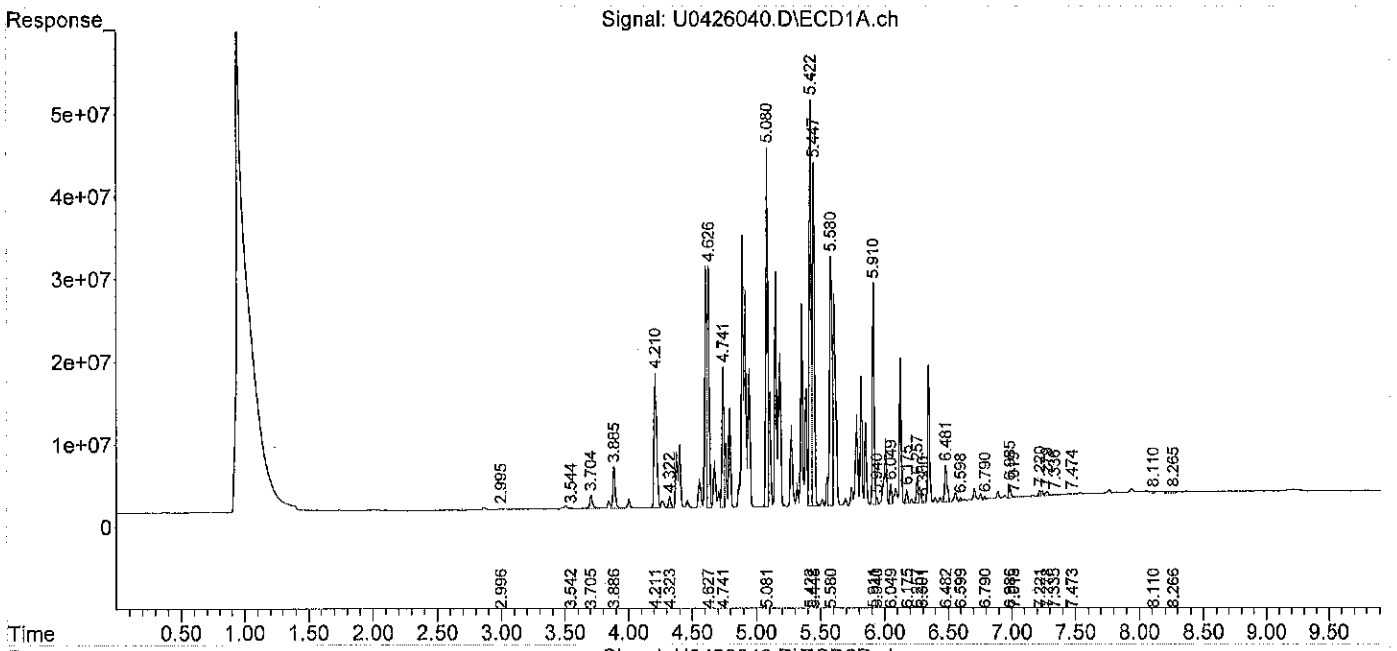
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

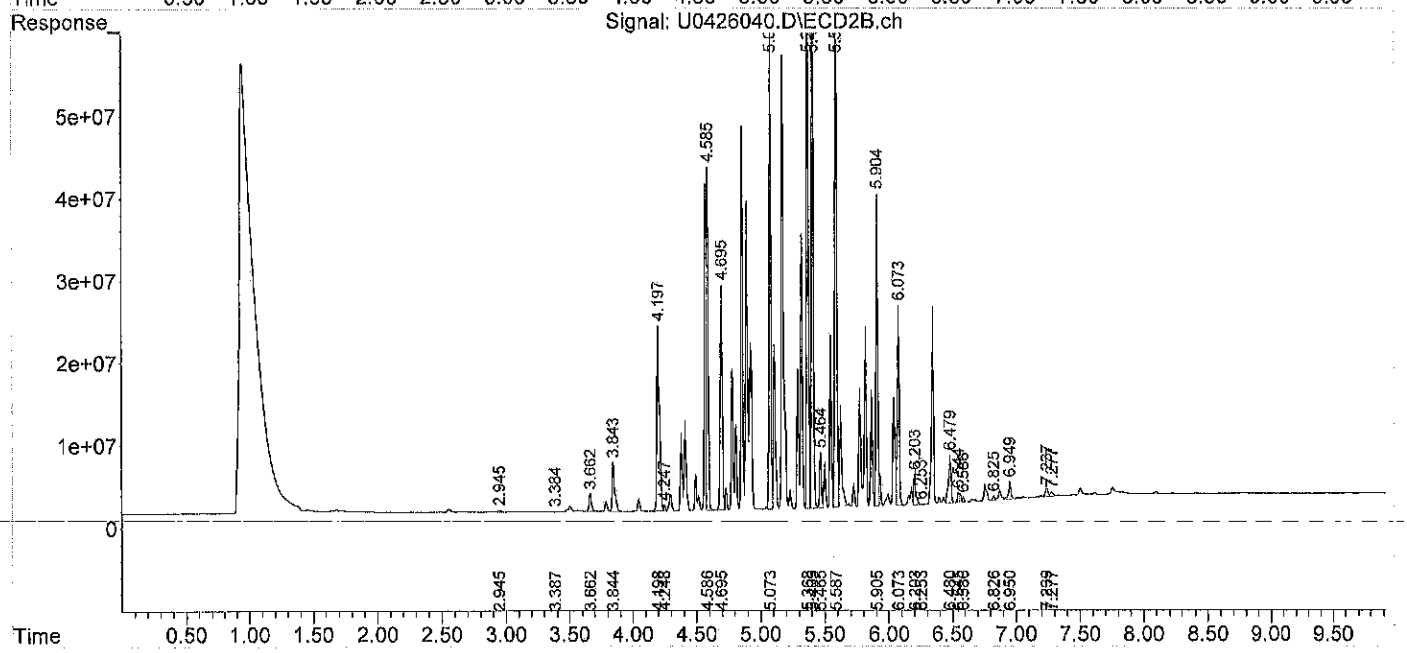
Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 22:39
Operator : LAD
Sample : AR 1248 SPQ PS5-016-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:29:23 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:29:21 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 22:51
Operator : LAD
Sample : AR 1254 SPQ PS5-016-05
Misc :
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 16 10:12:03 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
	System Monitoring Compounds							
1) S	TCX	3.550	3.386	61303	21074	0.000	0.000	#
Spiked Amount	0.100			Recovery	=	0.00%	0.00%	
47) S	DCB	8.262	0.000	159966	0	0.000	N.D.	#
Spiked Amount	0.100			Recovery	=	0.00%	0.00%	
	Target Compounds							
2) L1	Aroclor-1016	3.889	3.846	815198	488492	0.025	0.011	#
3) L1	Aroclor-1...	4.215	4.200	1319978	2019458	0.028	0.032	
4) L1	Aroclor-1...	4.627	4.586	616401	886164	0.008	0.008	
5) L1	Aroclor-1...	4.743	4.697	2740585	4327180	0.052	0.062	
6) L1	Aroclor-1...	5.080	5.072	12182012	17144490	0.271	0.264	
Sum	Aroclor-1016			17674174	24865784	0.384	0.377	
Average	Aroclor-1016					0.077	0.075	
7) L2	Aroclor-1221	2.999	2.951	84018	92523	0.009	0.007	
8) L2	Aroclor-1...	3.708	3.664	384150	505974	0.020	0.019	
9) L2	Aroclor-1...	3.889	3.846	815198	488492	0.017	0.008	#
10) L2	Aroclor-1...	4.325	0.000	82500	0	0.012	N.D.	#
11) L2	Aroclor-1...	4.627	4.586	616401	886164	0.103	0.113	
Sum	Aroclor-1221			1982268	1973153	0.162	0.147	
Average	Aroclor-1221					0.032	0.037	
12) L3	Aroclor-1232	3.889	3.846	815198	488492	0.021	0.010	#
13) L3	Aroclor-1...	4.215	4.200	1319978	2019458	0.053	0.059	
14) L3	Aroclor-1...	4.743	4.697	2740585	4327180	0.094	0.113	
15) L3	Aroclor-1...	5.080	5.072	12182012	17144490	0.537	0.522	
16) L3	Aroclor-1...	5.423	5.368	19871961	27046641	0.899	0.883	
Sum	Aroclor-1232			36929734	51026261	1.604	1.586	
Average	Aroclor-1232					0.321	0.317	
17) L4	Aroclor-1242	4.627	4.586	616401	886164	0.007	0.008	
18) L4	Aroclor-1...	4.743	4.697	2740585	4327180	0.051	0.059	
19) L4	Aroclor-1...	5.080	5.072	12182012	17144490	0.265	0.258	
20) L4	Aroclor-1...	5.423f	5.403	19871961	56523811	0.463	0.765	#
21) L4	Aroclor-1...	5.910	5.904	65127010	95149374	3.099	3.196	
Sum	Aroclor-1242			100.5E6	174.0E6	3.885	4.285	
Average	Aroclor-1242					0.777	0.857	
22) L5	Aroclor-1248	4.627	4.586	616401	886164	0.011	0.011	
23) L5	Aroclor-1...	5.080	5.072	12182012	17144490	0.140	0.136	
24) L5	Aroclor-1...	5.423f	5.403	19871961	56523811	0.239	0.381	#
25) L5	Aroclor-1...	5.590	5.593	51642499	30364103	0.857	0.231	#

Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 22:51
Operator : LAD
Sample : AR 1254 SPQ PS5-016-05
Misc :
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 16 10:12:03 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26)	L5 Aroclor-1...	5.910	5.904	65127010	95149374	1.216	1.256	
	Sum Aroclor-1248			149.4E6	200.1E6	2.462	2.014	
Average	Aroclor-1248					0.492	0.403	
27)	L6 Aroclor-1254	5.389	5.403	36186664	56523811	0.500	0.500	
28)	L6 Aroclor-1...	5.590	5.545	51642499	62240201	0.500	0.500	
29)	L6 Aroclor-1...	5.910	5.904	65127010	95149374	0.500	0.500	
30)	L6 Aroclor-1...	6.125	6.073	47584533	65580682	0.500	0.500	
31)	L6 Aroclor-1...	6.481	6.480	53307465	71843094	0.500	0.500	
	Sum Aroclor-1254			253.8E6	351.3E6	2.500	2.500	
Average	Aroclor-1254					0.500	0.500	
32)	L7 Aroclor-1260	6.049	6.073	22964149	65580682	0.270	0.536	#
33)	L7 Aroclor-1...	6.258	6.202	28399289	39825927	0.275	0.273	
34)	L7 Aroclor-1...	6.481	6.480	53307465	71843094	0.553	0.606	
35)	L7 Aroclor-1...	6.986	6.949	7306853	9950500	0.040	0.040	
36)	L7 Aroclor-1...	7.221	7.248	6337715	7644651	0.079	0.074	
	Sum Aroclor-1260			118.3E6	194.8E6	1.217	1.529	
Average	Aroclor-1260					0.243	0.306	
37)	L8 Aroclor-1262	6.258	6.202	28399289	39825927	0.327	0.319	
38)	L8 Aroclor-1...	6.551	6.560f	5689160	7099487	0.046	0.042	
39)	L8 Aroclor-1...	6.756	6.753f	3081520	21990738	0.028	0.133	#
40)	L8 Aroclor-1...	6.986	6.949	7306853	9950500	0.033	0.033	
41)	L8 Aroclor-1...	7.221f	7.248f	6337715	7644651	0.077	0.054	#
	Sum Aroclor-1262			50814538	86511302	0.512	0.581	
Average	Aroclor-1262					0.102	0.116	
42)	L9 Aroclor-1268	6.756	6.753f	3081520	21990738	0.396	2.046	#
43)	L9 Aroclor-1...	7.221f	7.248f	6337715	7644651	0.952	1.028	
44)	L9 Aroclor-1...	7.280	7.291f	288014	211853	0.002	0.001	#
45)	L9 Aroclor-1...	7.451	7.502	55826	786732	0.000	0.003	#
46)	L9 Aroclor-1...	8.059	0.000	176753	0	0.000	N.D.	#
	Sum Aroclor-1268			9939829	30633973	1.350	3.079	
Average	Aroclor-1268					0.270	0.770	

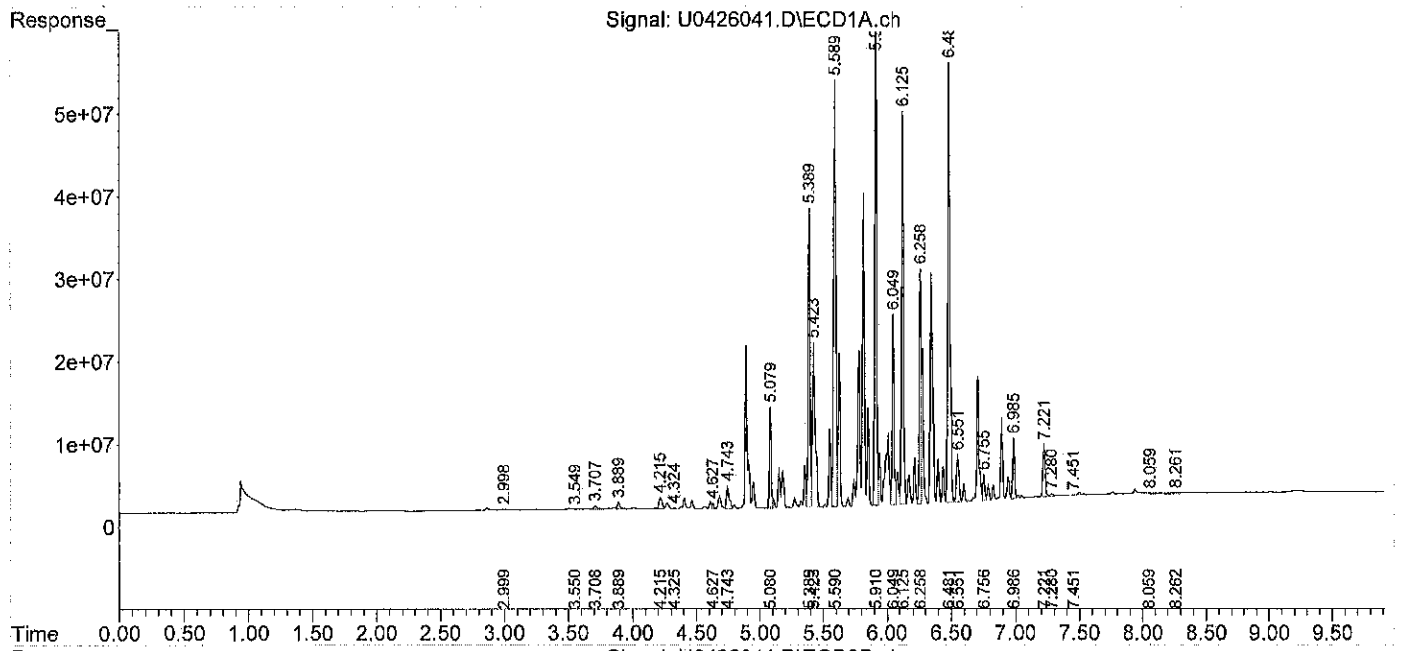
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

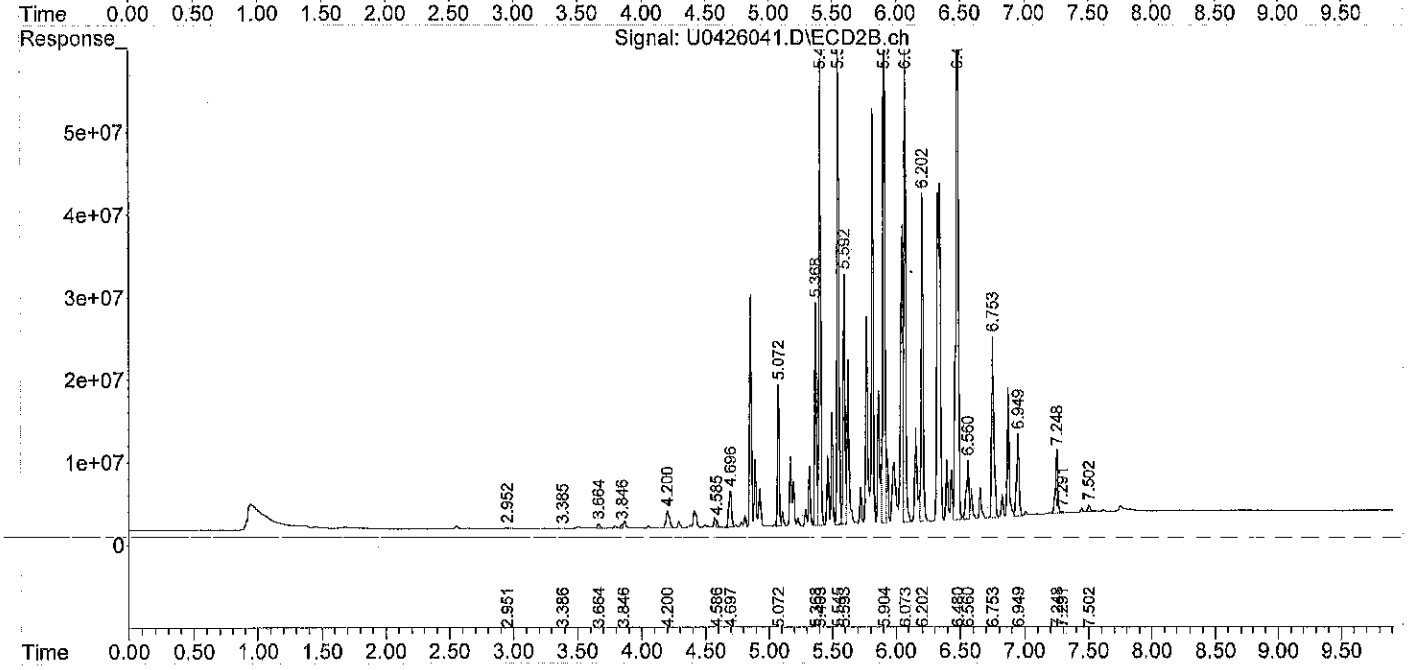
Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 22:51
Operator : LAD
Sample : AR 1254 SPQ PS5-016-05
Misc :
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 16 10:12:03 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 09:01:01 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 23:03
Operator : LAD
Sample : AR 1262 SPQ PS5-016-06
Misc :
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:34:35 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:34:32 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
	System Monitoring Compounds							
1)	S TCX	3.544	3.397	67886	19085	0.000	0.000	#
	Spiked Amount 0.100			Recovery	=	0.00%	0.00%	
47)	S DCB	8.265	8.400	311418	276963	0.000	0.000	#
	Spiked Amount 0.100			Recovery	=	0.00%	0.00%	
	Target Compounds							
2)	L1 Aroclor-1016	3.888	3.843	1028380	710167	0.031	0.017	#
3)	L1 Aroclor-1...	4.214	4.198	993787	1547924	0.021	0.024	
4)	L1 Aroclor-1...	4.627	4.586	1172125	1643874	0.015	0.015	
5)	L1 Aroclor-1...	4.743	4.695	1449985	2251153	0.028	0.032	
6)	L1 Aroclor-1...	5.082	5.073	1322895	1965047	0.029	0.030	
	Sum Aroclor-1016			5967172	8118166	0.124	0.118	
	Average Aroclor-1016					0.025	0.024	
7)	L2 Aroclor-1221	3.000	2.949	58628	47693	0.006	0.004	#
8)	L2 Aroclor-1...	3.707	3.664	223607	249748	0.012	0.009	
9)	L2 Aroclor-1...	3.888	3.843	1028380	710167	0.022	0.012	#
10)	L2 Aroclor-1...	4.325	4.248	119711	106916	0.018	0.012	#
11)	L2 Aroclor-1...	4.627	4.586	1172125	1643874	0.197	0.210	
	Sum Aroclor-1221			2602450	2758398	0.254	0.246	
	Average Aroclor-1221					0.051	0.049	
12)	L3 Aroclor-1232	3.888	3.843	1028380	710167	0.026	0.014	#
13)	L3 Aroclor-1...	4.214	4.198	993787	1547924	0.040	0.045	
14)	L3 Aroclor-1...	4.743	4.695	1449985	2251153	0.050	0.059	
15)	L3 Aroclor-1...	5.082	5.073	1322895	1965047	0.058	0.060	
16)	L3 Aroclor-1...	5.424	5.373	1094334	2382295	0.050	0.078	#
	Sum Aroclor-1232			5889381	8856587	0.224	0.255	
	Average Aroclor-1232					0.045	0.051	
17)	L4 Aroclor-1242	4.627	4.586	1172125	1643874	0.014	0.014	
18)	L4 Aroclor-1...	4.743	4.695	1449985	2251153	0.027	0.031	
19)	L4 Aroclor-1...	5.082	5.073	1322895	1965047	0.029	0.030	
20)	L4 Aroclor-1...	5.444	5.402	923101	9503654	0.021	0.129	#
21)	L4 Aroclor-1...	5.911	5.904	3564137	5181004	0.170	0.174	
	Sum Aroclor-1242			8432242	20544733	0.261	0.377	
	Average Aroclor-1242					0.052	0.075	
22)	L5 Aroclor-1248	4.627	4.586	1172125	1643874	0.020	0.020	
23)	L5 Aroclor-1...	5.082	5.073	1322895	1965047	0.015	0.016	
24)	L5 Aroclor-1...	5.444	5.402	923101	9503654	0.011	0.064	#
25)	L5 Aroclor-1...	5.591	5.590	7736880	2832874	0.128	0.022	#

Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 23:03
Operator : LAD
Sample : AR 1262 SPQ PS5-016-06
Misc :
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:34:35 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:34:32 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26)	L5 Aroclor-1...	5.911	5.904	3564137	5181004	0.067	0.068	
	Sum Aroclor-1248			14719137	21126454	0.241	0.189	
Average	Aroclor-1248					0.048	0.038	
27)	L6 Aroclor-1254	5.389	5.402	6886454	9503654	0.095	0.084	
28)	L6 Aroclor-1...	5.591	5.545	7736880	9813776	0.075	0.079	
29)	L6 Aroclor-1...	5.911	5.883f	3564137	8982023	0.027	0.047	#
30)	L6 Aroclor-1...	6.131	6.051f	4853709	55283441	0.051	0.421	#
31)	L6 Aroclor-1...	6.480	6.478	29049317	32990645	0.272	0.230	
	Sum Aroclor-1254			52090497	116.6E6	0.521	0.861	
Average	Aroclor-1254					0.104	0.172	
32)	L7 Aroclor-1260	6.049	6.051	38214851	55283441	0.450	0.452	
33)	L7 Aroclor-1...	6.258	6.203	43394220	62514457	0.420	0.429	
34)	L7 Aroclor-1...	6.480	6.478	29049317	32990645	0.301	0.278	
35)	L7 Aroclor-1...	6.985	6.950	110.9E6	151.3E6	0.607	0.614	
36)	L7 Aroclor-1...	7.223	7.237	34055945	70317121	0.423	0.676	#
	Sum Aroclor-1260			255.6E6	372.4E6	2.201	2.450	
Average	Aroclor-1260					0.440	0.490	
37)	L8 Aroclor-1262	6.258	6.203	43394220	62514457	0.500	0.500	
38)	L8 Aroclor-1...	6.562	6.544	61847441	84402195	0.500	0.500	
39)	L8 Aroclor-1...	6.755	6.771	54413635	82609217	0.500	0.500	
40)	L8 Aroclor-1...	6.985	6.950	110.9E6	151.3E6	0.500	0.500	
41)	L8 Aroclor-1...	7.240	7.237	40912526	70317121	0.500	0.500	
	Sum Aroclor-1262			311.5E6	451.2E6	2.500	2.500	
Average	Aroclor-1262					0.500	0.500	
42)	L9 Aroclor-1268	6.789	6.825	20652618	29683445	2.656	2.762	
43)	L9 Aroclor-1...	7.277f	7.276f	31445270	38622484	4.722	5.196	
44)	L9 Aroclor-1...	7.338f	0.000	88766	0	0.000	N.D.	#
45)	L9 Aroclor-1...	0.000	0.000	0	0	N.D.	N.D.	
46)	L9 Aroclor-1...	8.120	0.000	168036	0	0.000	N.D.	#
	Sum Aroclor-1268			52354690	68305929	7.379	7.958	
Average	Aroclor-1268					1.845	3.979	

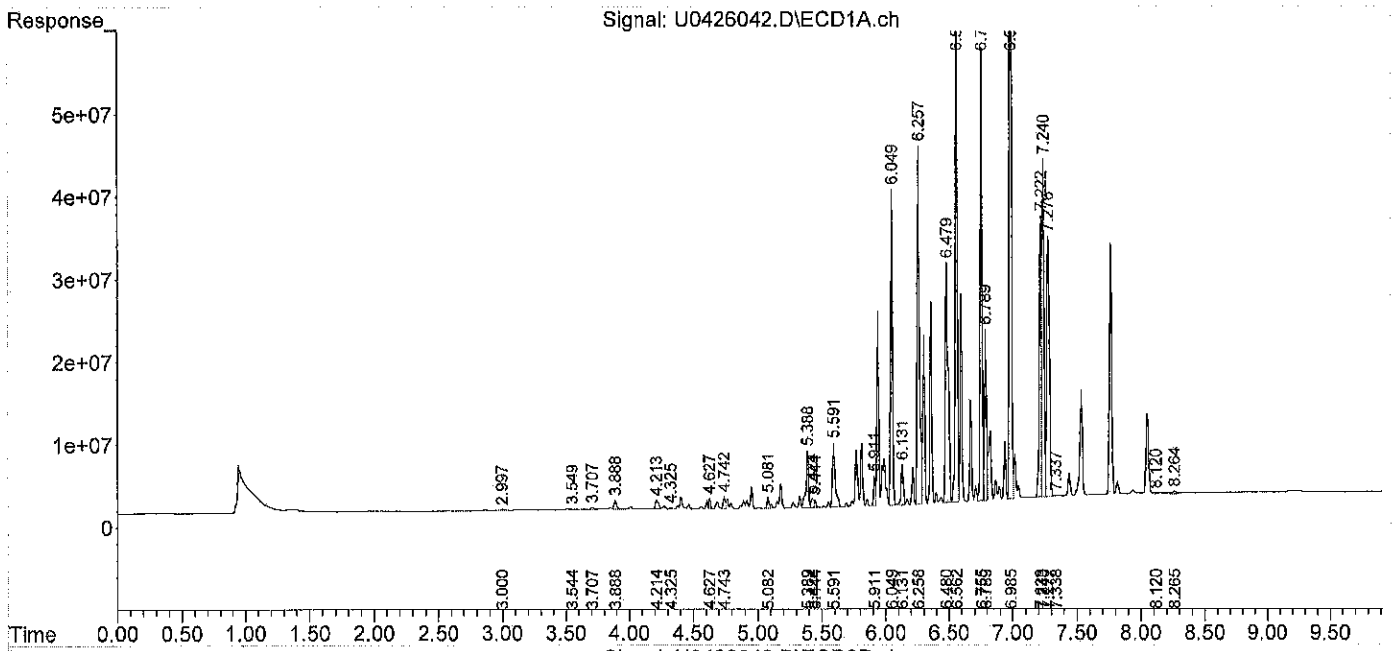
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

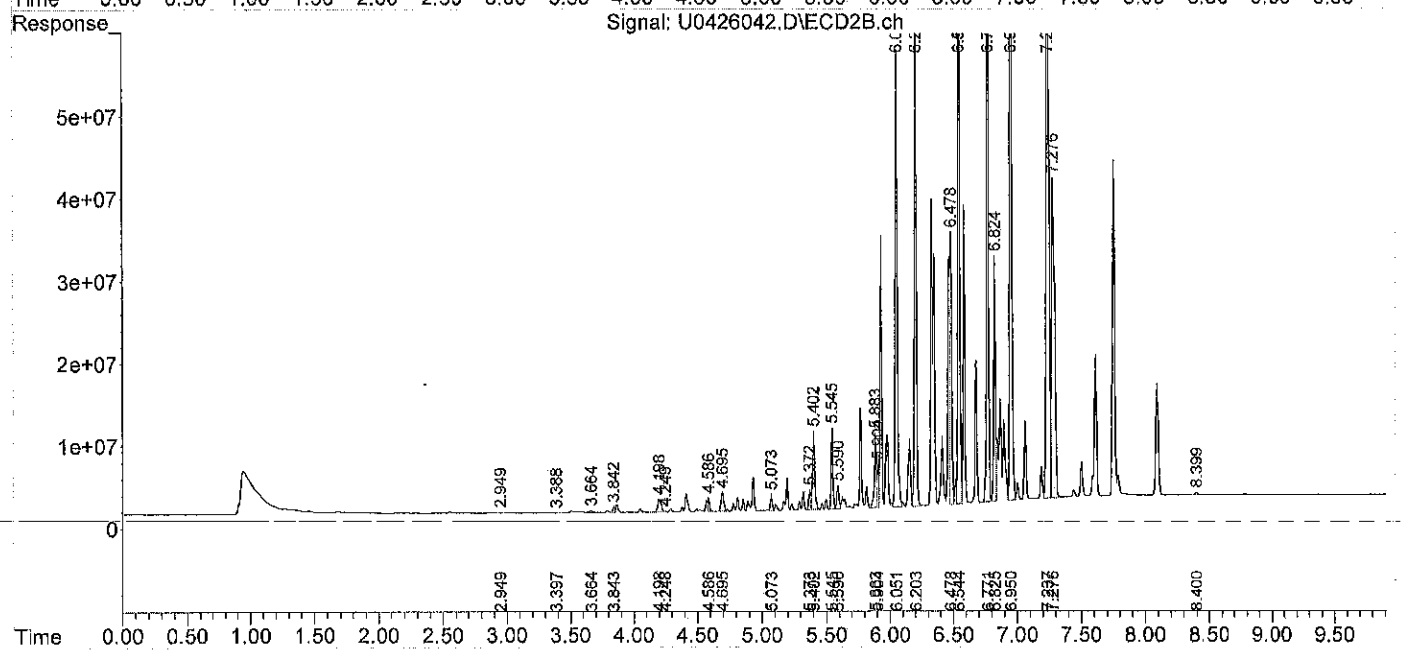
Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 23:03
Operator : LAD
Sample : AR 1262 SPQ PS5-016-06
Misc :
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:34:35 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:34:32 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 23:15
Operator : LAD
Sample : AR 1268 SPQ PS5-016-07
Misc :
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:37:18 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:37:16 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
	System Monitoring Compounds							
1)	S TCX	3.543	3.396	72406	18954	0.000	0.000	#
	Spiked Amount 0.100			Recovery	=	0.00%	0.00%	
47)	S DCB	8.267	8.400	42770194	59621002	0.045	0.045	
	Spiked Amount 0.100			Recovery	=	45.00%	45.00%	
	Target Compounds							
2)	L1 Aroclor-1016	3.893	0.000	1041147	0	0.032	N.D.	#
3)	L1 Aroclor-1...	4.216	4.196	262629	520979	0.006	0.008	#
4)	L1 Aroclor-1...	4.627	4.586	305933	467950	0.004	0.004	
5)	L1 Aroclor-1...	4.746	4.688	891478	1744197	0.017	0.025	#
6)	L1 Aroclor-1...	5.082	5.074	659030	994890	0.015	0.015	
	Sum Aroclor-1016			3160217	3728016	0.073	0.053	
	Average Aroclor-1016					0.015	0.013	
7)	L2 Aroclor-1221	0.000	2.960	0	72335	N.D.	0.005	#
8)	L2 Aroclor-1...	3.715	3.669	151676	102054	0.008	0.004	#
9)	L2 Aroclor-1...	3.893	0.000	1041147	0	0.022	N.D.	#
10)	L2 Aroclor-1...	4.326	0.000	59841	0	0.009	N.D.	#
11)	L2 Aroclor-1...	4.627	4.586	305933	467950	0.051	0.060	
	Sum Aroclor-1221			1558598	642340	0.090	0.069	
	Average Aroclor-1221					0.023	0.023	
12)	L3 Aroclor-1232	3.893	0.000	1041147	0	0.026	N.D.	#
13)	L3 Aroclor-1...	4.216	4.196	262629	520979	0.011	0.015	#
14)	L3 Aroclor-1...	4.746	4.688	891478	1744197	0.031	0.046	#
15)	L3 Aroclor-1...	5.082	5.074	659030	994890	0.029	0.030	
16)	L3 Aroclor-1...	5.424	5.375	616733	1626315	0.028	0.053	#
	Sum Aroclor-1232			3471018	4886381	0.125	0.144	
	Average Aroclor-1232					0.025	0.036	
17)	L4 Aroclor-1242	4.627	4.586	305933	467950	0.004	0.004	
18)	L4 Aroclor-1...	4.746	4.688	891478	1744197	0.017	0.024	#
19)	L4 Aroclor-1...	5.082	5.074	659030	994890	0.014	0.015	
20)	L4 Aroclor-1...	5.444	5.391	814638	2325848	0.019	0.031	#
21)	L4 Aroclor-1...	5.911	5.904	405590	563175	0.019	0.019	
	Sum Aroclor-1242			3076669	6096060	0.073	0.093	
	Average Aroclor-1242					0.015	0.019	
22)	L5 Aroclor-1248	4.627	4.586	305933	467950	0.005	0.006	
23)	L5 Aroclor-1...	5.082	5.074	659030	994890	0.008	0.008	
24)	L5 Aroclor-1...	5.444	5.391	814638	2325848	0.010	0.016	#
25)	L5 Aroclor-1...	5.584	5.588	1424812	1917400	0.024	0.015	#

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 23:15
Operator : LAD
Sample : AR 1268 SPQ PS5-016-07
Misc :
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:37:18 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:37:16 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

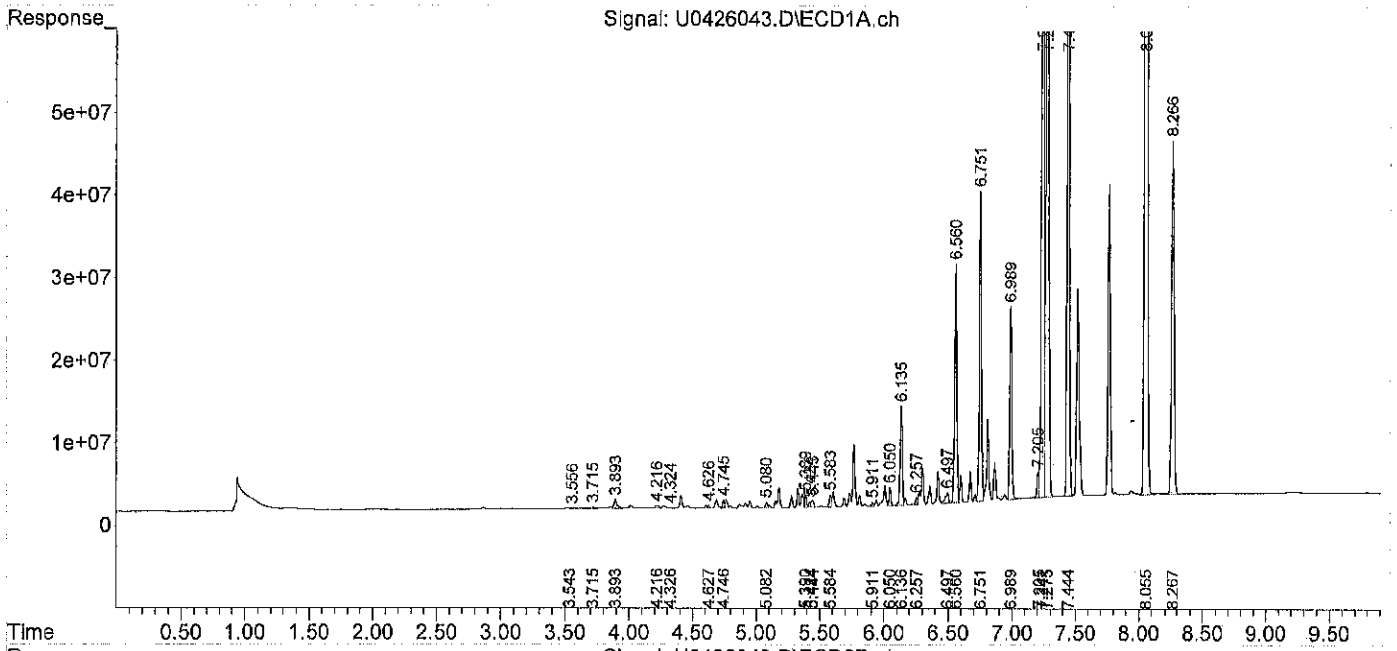
	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26) L5	Aroclor-1...	5.911	5.904	405590	563175	0.008	0.007	
Sum	Aroclor-1248			3610003	6269263	0.054	0.051	
Average	Aroclor-1248					0.011	0.010	
27) L6	Aroclor-1254	5.390	5.391	1405964	2325848	0.019	0.021	
28) L6	Aroclor-1...	5.584	5.546	1424812	227411	0.014	0.002	#
29) L6	Aroclor-1...	5.911	5.884	405590	1393985	0.003	0.007	#
30) L6	Aroclor-1...	6.136	6.072	11899137	855471	0.125	0.007	#
31) L6	Aroclor-1...	6.497	6.489	1192627	5566252	0.011	0.039	#
Sum	Aroclor-1254			16328130	10368967	0.173	0.075	
Average	Aroclor-1254					0.035	0.015	
32) L7	Aroclor-1260	6.050	6.042	2168790	3973295	0.026	0.032	#
33) L7	Aroclor-1...	6.257	6.185	857227	10730662	0.008	0.074	#
34) L7	Aroclor-1...	6.497	6.489	1192627	5566252	0.012	0.047	#
35) L7	Aroclor-1...	6.989	6.950	23323169	19933000	0.128	0.081	#
36) L7	Aroclor-1...	7.205	7.236	3075340	186.1E6	0.038	1.790	#
Sum	Aroclor-1260			30617154	226.3E6	0.212	2.024	
Average	Aroclor-1260					0.042	0.405	
37) L8	Aroclor-1262	6.257	6.185f	857227	10730662	0.010	0.086	#
38) L8	Aroclor-1...	6.560	6.544	28844656	37411851	0.233	0.222	
39) L8	Aroclor-1...	6.751	6.773	37473715	61514152	0.344	0.372	
40) L8	Aroclor-1...	6.989	6.950	23323169	19933000	0.105	0.066	#
41) L8	Aroclor-1...	7.241	7.236	132.9E6	186.1E6	1.625	1.323	
Sum	Aroclor-1262			223.4E6	315.7E6	2.317	2.069	
Average	Aroclor-1262					0.463	0.414	
42) L9	Aroclor-1268	6.751	6.773	37473715	61514152	0.500	0.500	
43) L9	Aroclor-1...	7.241	7.236	132.9E6	186.1E6	0.500	0.500	
44) L9	Aroclor-1...	7.275	7.276	114.9E6	160.2E6	0.500	0.500	
45) L9	Aroclor-1...	7.444	7.501	98260934	135.9E6	0.500	0.500	
46) L9	Aroclor-1...	8.055	8.096	247.3E6	357.4E6	0.500	0.500	
Sum	Aroclor-1268			630.9E6	901.1E6	2.500	2.500	
Average	Aroclor-1268					0.500	0.500	

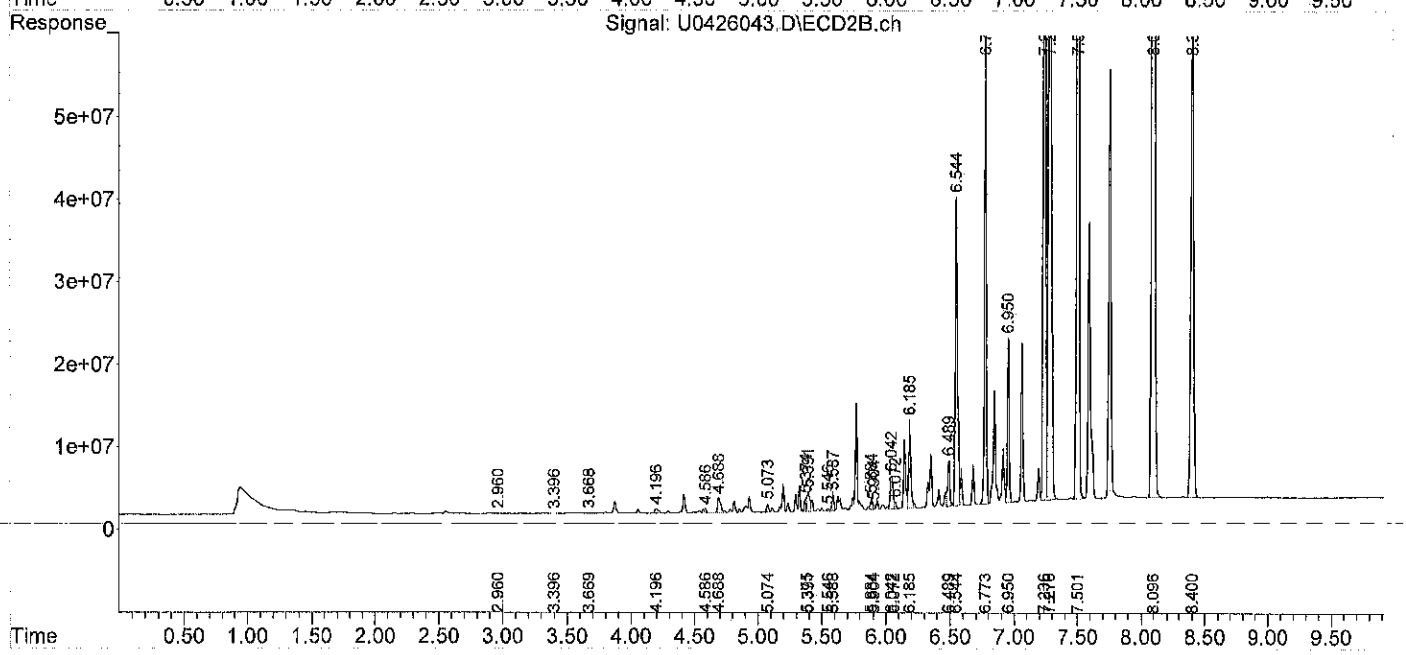
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : X:\PEST\Ulysses\DATA\U230426\
Data File : U0426043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2023 23:15
Operator : LAD
Sample : AR 1268 SPQ PS5-016-07
Misc :
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Apr 27 10:37:18 2023
Quant Method : C:\msdchem\2\methods\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:37:16 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EPA 8082 (PCB's)
Continuing Calibration Summary

Lab ID	Analyte	True Value (ppb)	Calc. Value	Percent Difference	Control Limits
Column 1					
PCBCCV0505-2	Aroclor 1016	500	500	0	+/- 20%
PCBCCV0505-2	Aroclor 1260	500	533	7	+/- 20%
Column 2					
PCBCCV0505-2	Aroclor 1016	500	511	2	+/- 20%
PCBCCV0505-2	Aroclor 1260	500	528	6	+/- 20%
Column 1					
PCBCCV0505-3	Aroclor 1016	500	508	2	+/- 20%
PCBCCV0505-3	Aroclor 1260	500	540	8	+/- 20%
Column 2					
PCBCCV0505-3	Aroclor 1016	500	522	4	+/- 20%
PCBCCV0505-3	Aroclor 1260	500	553	11	+/- 20%
Column 1					
PCBCCV0508-02	Aroclor 1016	500	504	1	+/- 20%
PCBCCV0508-02	Aroclor 1260	500	469	-6	+/- 20%
Column 2					
PCBCCV0508-02	Aroclor 1016	500	527	5	+/- 20%
PCBCCV0508-02	Aroclor 1260	500	502	0	+/- 20%
Column 1					
PCBCCV0508-3	Aroclor 1016	500	467	-7	+/- 20%
PCBCCV0508-3	Aroclor 1260	500	436	-13	+/- 20%
Column 2					
PCBCCV0508-3	Aroclor 1016	500	488	-2	+/- 20%
PCBCCV0508-3	Aroclor 1260	500	464	-7	+/- 20%

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\2\DATA\U230505\
Data File : U0505016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 May 2023 14:08
Operator : LAD
Sample : PCBCCV 0505-2 (PS5-020-13)
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 05 14:18:23 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
System Monitoring Compounds						
1) S TCX	3.534	3.386	163.4E6	232.6E6	0.099	0.103
Spiked Amount 0.100			Recovery	=	99.00%	103.00%
47) S DCB	8.261	8.396	105.2E6	147.4E6	0.110	0.111
Spiked Amount 0.100			Recovery	=	110.00%	111.00%
Target Compounds						
2) L1 Aroclor-1016	3.884	3.842	15023872	20471733	0.456	0.477
3) L1 Aroclor-1...	4.209	4.196	22716182	31148799	0.490	0.492
4) L1 Aroclor-1...	4.625	4.585	43536373	62549638	0.539	0.561
5) L1 Aroclor-1...	4.739	4.694	25982230	35815320	0.495	0.510
6) L1 Aroclor-1...	5.078	5.070	23256279	33567888	0.517	0.517
Sum Aroclor-1016			130.5E6	183.6E6	2.498	2.557
Average Aroclor-1016					0.500	0.511
7) L2 Aroclor-1221	2.997	2.937	911971	250860	0.095	0.019 #
8) L2 Aroclor-1...	3.700	3.658	2824220	4067768	0.147	0.149
9) L2 Aroclor-1...	3.884	3.842	15023872	20471733	0.320	0.339
10) L2 Aroclor-1...	4.323	4.247	3312954	2832572	0.489	0.312 #
11) L2 Aroclor-1...	4.625	4.585	43536373	62549638	7.303	7.977
Sum Aroclor-1221			65609389	90172571	8.355	8.796
Average Aroclor-1221					1.671	1.759
12) L3 Aroclor-1232	3.884	3.842	15023872	20471733	0.380	0.402
13) L3 Aroclor-1...	4.209	4.196	22716182	31148799	0.910	0.904
14) L3 Aroclor-1...	4.739	4.694	25982230	35815320	0.895	0.937
15) L3 Aroclor-1...	5.078	5.070	23256279	33567888	1.025	1.023
16) L3 Aroclor-1...	5.420	5.367	4251102	6056830	0.192	0.198
Sum Aroclor-1232			91229664	127.1E6	3.402	3.463
Average Aroclor-1232					0.680	0.693
17) L4 Aroclor-1242	4.625	4.585	43536373	62549638	0.526	0.537
18) L4 Aroclor-1...	4.739	4.694	25982230	35815320	0.486	0.492
19) L4 Aroclor-1...	5.078	5.070	23256279	33567888	0.505	0.504
20) L4 Aroclor-1...	5.445	5.401	2883966	20523908	0.067	0.278 #
21) L4 Aroclor-1...	5.908	5.903	6718532	9438674	0.320	0.317
Sum Aroclor-1242			102.4E6	161.9E6	1.905	2.128
Average Aroclor-1242					0.381	0.426
22) L5 Aroclor-1248	4.625	4.585	43536373	62549638	0.746	0.751
23) L5 Aroclor-1...	5.078	5.070	23256279	33567888	0.267	0.266
24) L5 Aroclor-1...	5.445	5.401	2883966	20523908	0.035	0.138 #
25) L5 Aroclor-1...	5.588	5.587	14058716	1732294	0.233	0.013 #

Data Path : C:\MSDCHEM\2\DATA\U230505\
Data File : U0505016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 May 2023 14:08
Operator : LAD
Sample : PCBCCV 0505-2 (PS5-020-13)
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 05 14:18:23 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

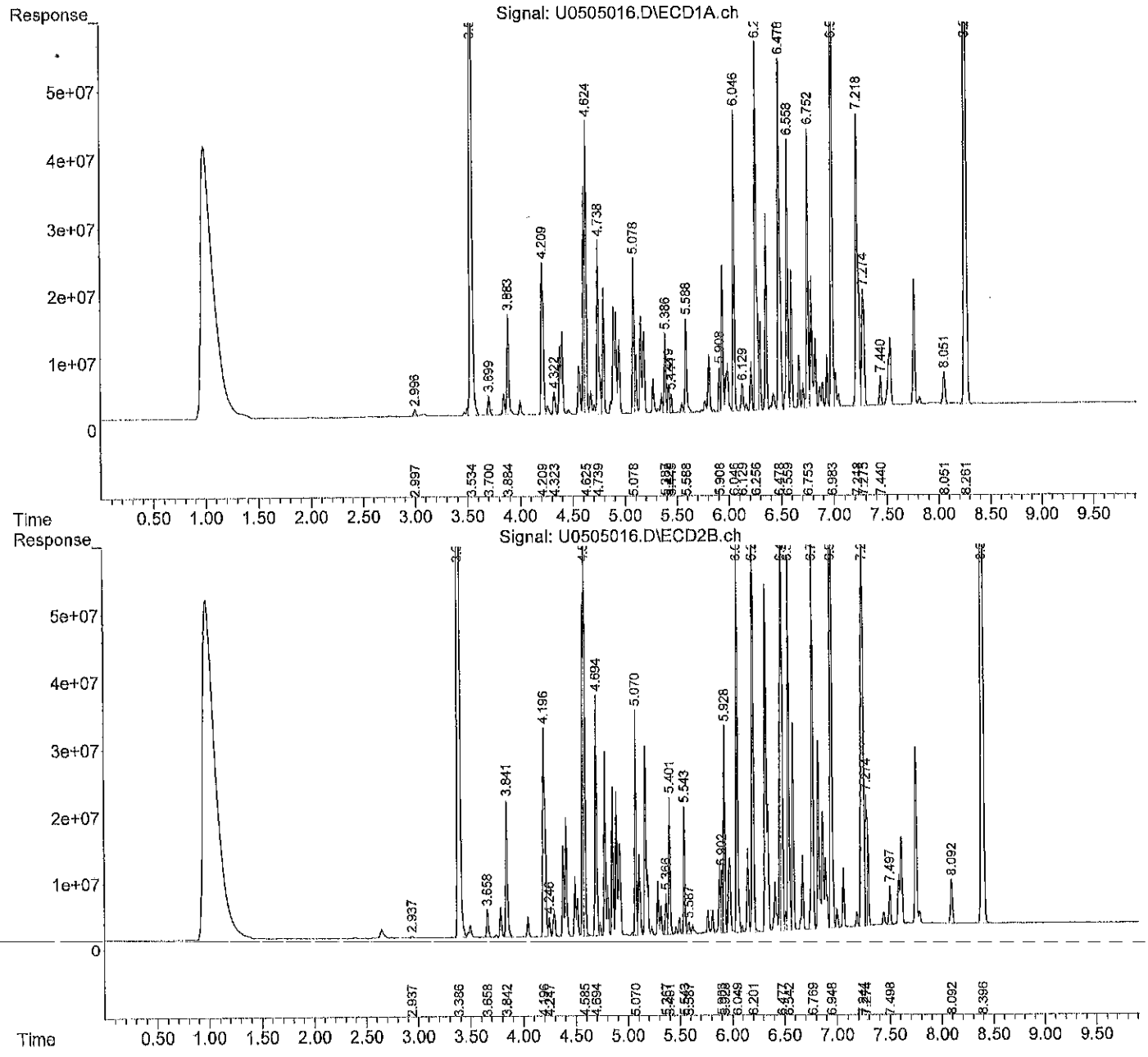
	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26)	L5 Aroclor-1...	5.908	5.903	6718532	9438674	0.125	0.125	
	Sum Aroclor-1248			90453865	127.8E6	1.407	1.293	
Average	Aroclor-1248					0.281	0.259	
27)	L6 Aroclor-1254	5.387	5.401	11965667	20523908	0.165	0.182	
28)	L6 Aroclor-1...	5.588	5.543	14058716	19031362	0.136	0.153	
29)	L6 Aroclor-1...	5.908	5.928f	6718532	30896729	0.052	0.162	#
30)	L6 Aroclor-1...	6.129	6.049f	4050165	61863699	0.043	0.472	#
31)	L6 Aroclor-1...	6.478	6.477	52034249	61459378	0.488	0.428	
	Sum Aroclor-1254			88827328	193.8E6	0.884	1.396	
Average	Aroclor-1254					0.177	0.279	
32)	L7 Aroclor-1260	6.046	6.049	44714827	61863699	0.527	0.506	
33)	L7 Aroclor-1...	6.256	6.201	54684958	75941502	0.529	0.521	
34)	L7 Aroclor-1...	6.478	6.477	52034249	61459378	0.540	0.519	
35)	L7 Aroclor-1...	6.983	6.948	97407734	135.0E6	0.533	0.548	
36)	L7 Aroclor-1...	7.218	7.244	43393262	56832132	0.539	0.547	
	Sum Aroclor-1260			292.2E6	391.1E6	2.667	2.640	
Average	Aroclor-1260					0.533	0.528	
37)	L8 Aroclor-1262	6.256	6.201	54684958	75941502	0.630	0.607	
38)	L8 Aroclor-1...	6.559	6.542	40068337	55654626	0.324	0.330	
39)	L8 Aroclor-1...	6.753	6.769	41468661	60864949	0.381	0.368	
40)	L8 Aroclor-1...	6.983	6.948	97407734	135.0E6	0.439	0.446	
41)	L8 Aroclor-1...	7.218f	7.244	43393262	56832132	0.530	0.404	
	Sum Aroclor-1262			277.0E6	384.3E6	2.305	2.156	
Average	Aroclor-1262					0.461	0.431	
42)	L9 Aroclor-1268	6.753	6.769	41468661	60864949	5.333	5.663	
43)	L9 Aroclor-1...	7.218f	7.244	43393262	56832132	6.516	7.646	
44)	L9 Aroclor-1...	7.275	7.274	17421930	19576777	0.091	0.077	
45)	L9 Aroclor-1...	7.440	7.498	4434743	5800107	0.026	0.025	
46)	L9 Aroclor-1...	8.051	8.092	4898530	6563762	0.013	0.013	
	Sum Aroclor-1268			111.6E6	149.6E6	11.979	13.423	
Average	Aroclor-1268					2.396	2.685	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\2\DATA\U230505\
Data File : U0505016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 May 2023 14:08
Operator : LAD
Sample : PCBCCV 0505-2 (PS5-020-13)
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 05 14:18:23 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\2\DATA\U230505\
Data File : U0505029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 May 2023 16:44
Operator : LAD
Sample : PCBCCV 0505-3 (PS5-020-13)
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 05 16:54:11 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
System Monitoring Compounds						
1) S TCX	3.534	3.386	167.1E6	232.8E6	0.101	0.103
Spiked Amount 0.100			Recovery	= 101.00%		103.00%
47) S DCB	8.262	8.396	106.7E6	148.8E6	0.112	0.112
Spiked Amount 0.100			Recovery	= 112.00%		112.00%
Target Compounds						
2) L1 Aroclor-1016	3.884	3.842	15068770	20617857	0.458	0.480
3) L1 Aroclor-1...	4.210	4.196	23066890	31646645	0.498	0.500
4) L1 Aroclor-1...	4.625	4.585	44540368	63999876	0.552	0.574
5) L1 Aroclor-1...	4.739	4.694	26542600	36533893	0.506	0.520
6) L1 Aroclor-1...	5.079	5.070	23676392	34775209	0.526	0.535
Sum Aroclor-1016			132.9E6	187.6E6	2.539	2.610
Average Aroclor-1016					0.508	0.522
7) L2 Aroclor-1221	2.996	2.938	800248	260503	0.083	0.020 #
8) L2 Aroclor-1...	3.700	3.658	2900713	4213895	0.151	0.155
9) L2 Aroclor-1...	3.884	3.842	15068770	20617857	0.321	0.342
10) L2 Aroclor-1...	4.323	4.246	3338085	2900950	0.493	0.319 #
11) L2 Aroclor-1...	4.625	4.585	44540368	63999876	7.472	8.162
Sum Aroclor-1221			66648183	91993080	8.521	8.997
Average Aroclor-1221					1.704	1.799
12) L3 Aroclor-1232	3.884	3.842	15068770	20617857	0.381	0.405
13) L3 Aroclor-1...	4.210	4.196	23066890	31646645	0.924	0.918
14) L3 Aroclor-1...	4.739	4.694	26542600	36533893	0.914	0.956
15) L3 Aroclor-1...	5.079	5.070	23676392	34775209	1.043	1.060
16) L3 Aroclor-1...	5.421	5.367	4335616	6380737	0.196	0.208
Sum Aroclor-1232			92690269	130.0E6	3.459	3.546
Average Aroclor-1232					0.692	0.709
17) L4 Aroclor-1242	4.625	4.585	44540368	63999876	0.538	0.549
18) L4 Aroclor-1...	4.739	4.694	26542600	36533893	0.497	0.502
19) L4 Aroclor-1...	5.079	5.070	23676392	34775209	0.514	0.523
20) L4 Aroclor-1...	5.445	5.401	2934139	21216577	0.068	0.287 #
21) L4 Aroclor-1...	5.909	5.903	7023058	9653827	0.334	0.324
Sum Aroclor-1242			104.7E6	166.2E6	1.952	2.185
Average Aroclor-1242					0.390	0.437
22) L5 Aroclor-1248	4.625	4.585	44540368	63999876	0.763	0.768
23) L5 Aroclor-1...	5.079	5.070	23676392	34775209	0.272	0.275
24) L5 Aroclor-1...	5.445	5.401	2934139	21216577	0.035	0.143 #
25) L5 Aroclor-1...	5.589	5.587	14035076	1873863	0.233	0.014 #

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\2\DATA\U230505\
Data File : U0505029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 May 2023 16:44
Operator : LAD
Sample : PCBCCV 0505-3 (PS5-020-13)
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 05 16:54:11 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

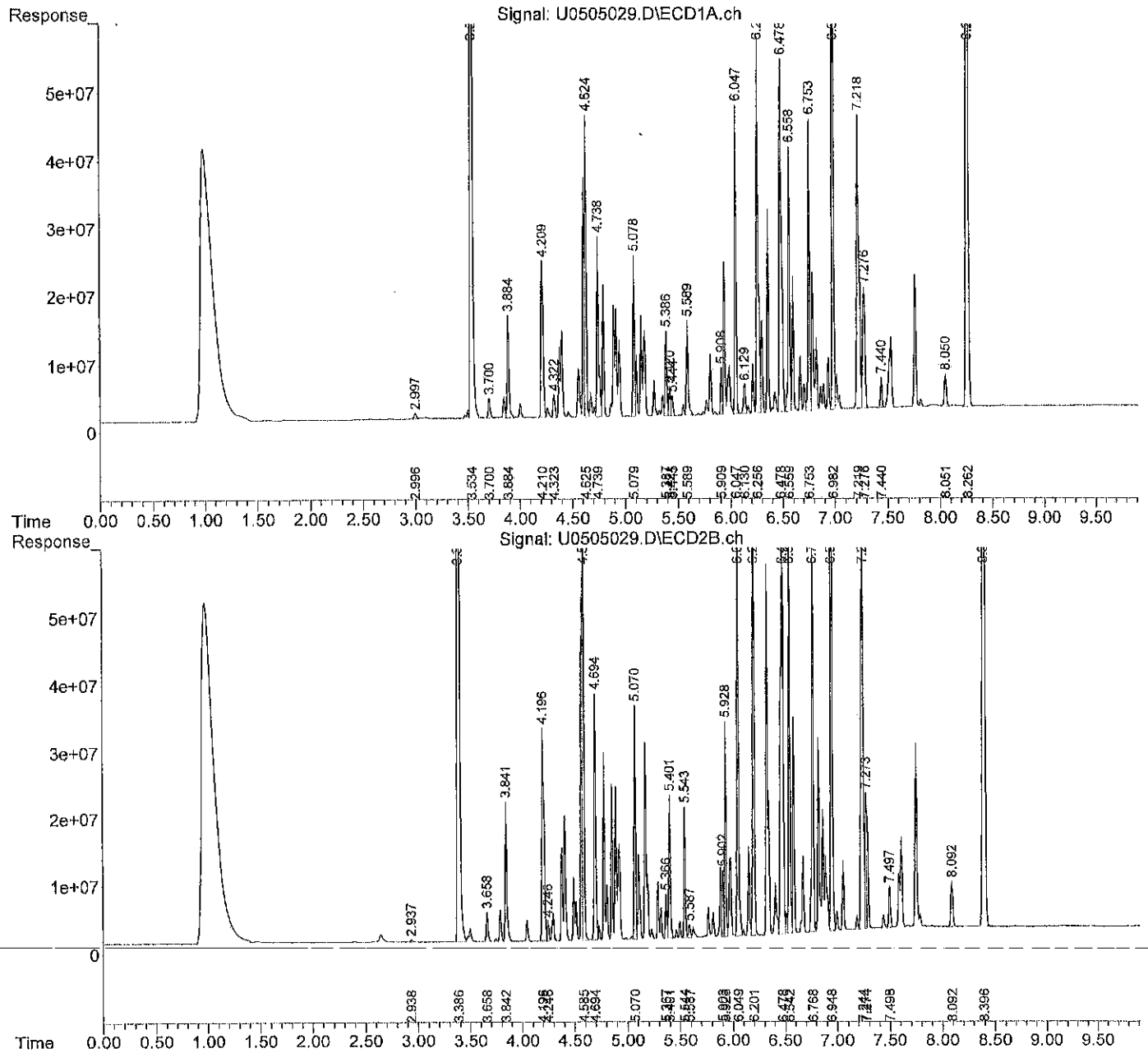
	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26)	L5 Aroclor-1...	5.909	5.903	7023058	9653827	0.131	0.127	
	Sum Aroclor-1248			92209033	131.5E6	1.435	1.328	
Average	Aroclor-1248					0.287	0.266	
27)	L6 Aroclor-1254	5.387	5.401	12519262	21216577	0.173	0.188	
28)	L6 Aroclor-1...	5.589	5.544	14035076	19310081	0.136	0.155	
29)	L6 Aroclor-1...	5.909	5.928f	7023058	31942088	0.054	0.168	#
30)	L6 Aroclor-1...	6.130	6.049f	4430579	66038613	0.047	0.503	#
31)	L6 Aroclor-1...	6.478	6.478	52071007	65011862	0.488	0.452	
	Sum Aroclor-1254			90078981	203.5E6	0.898	1.467	
Average	Aroclor-1254					0.180	0.293	
32)	L7 Aroclor-1260	6.047	6.049	45607614	66038613	0.537	0.540	
33)	L7 Aroclor-1...	6.256	6.201	55508438	78229215	0.537	0.537	
34)	L7 Aroclor-1...	6.478	6.478	52071007	65011862	0.540	0.548	
35)	L7 Aroclor-1...	6.982	6.948	99535182	139.8E6	0.544	0.567	
36)	L7 Aroclor-1...	7.219	7.244	43424135	59300014	0.539	0.570	
	Sum Aroclor-1260			296.1E6	408.4E6	2.698	2.763	
Average	Aroclor-1260					0.540	0.553	
37)	L8 Aroclor-1262	6.256	6.201	55508438	78229215	0.640	0.626	
38)	L8 Aroclor-1...	6.559	6.542	39190766	58401323	0.317	0.346	
39)	L8 Aroclor-1...	6.753	6.768	43254954	62847167	0.397	0.380	
40)	L8 Aroclor-1...	6.982	6.948	99535182	139.8E6	0.449	0.462	
41)	L8 Aroclor-1...	7.219f	7.244	43424135	59300014	0.531	0.422	
	Sum Aroclor-1262			280.9E6	398.6E6	2.333	2.236	
Average	Aroclor-1262					0.467	0.447	
42)	L9 Aroclor-1268	6.753	6.768	43254954	62847167	5.562	5.847	
43)	L9 Aroclor-1...	7.219f	7.244	43424135	59300014	6.521	7.978	
44)	L9 Aroclor-1...	7.276	7.274	17803645	20103232	0.093	0.079	
45)	L9 Aroclor-1...	7.440	7.498	4546305	5932606	0.027	0.025	
46)	L9 Aroclor-1...	8.051	8.092	4963596	6630595	0.014	0.013	
	Sum Aroclor-1268			114.0E6	154.8E6	12.216	13.942	
Average	Aroclor-1268					2.443	2.788	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\2\DATA\U230505\
Data File : U0505029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 May 2023 16:44
Operator : LAD
Sample : PCBCCV 0505-3 (PS5-020-13)
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 05 16:54:11 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\2\DATA\U230508\
Data File : U0508020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 16:31
Operator : LAD
Sample : PCBCCV 0508-2 (PS5-020-13)
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 08 16:41:35 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
System Monitoring Compounds						
1) S TCX	3.535	3.387	173.5E6	244.5E6	0.105	0.109
Spiked Amount 0.100			Recovery	=	105.00%	109.00%
47) S DCB	8.263	8.397	105.7E6	154.1E6	0.111	0.116
Spiked Amount 0.100			Recovery	=	111.00%	116.00%
Target Compounds						
2) L1 Aroclor-1016	3.885	3.842	15115933	21345277	0.459	0.497
3) L1 Aroclor-1...	4.211	4.197	24321554	33542636	0.525	0.530
4) L1 Aroclor-1...	4.626	4.585	44657511	64871991	0.553	0.582
5) L1 Aroclor-1...	4.739	4.695	25893435	36298942	0.493	0.517
6) L1 Aroclor-1...	5.079	5.071	21938494	33132567	0.488	0.510
Sum Aroclor-1016			131.9E6	189.2E6	2.518	2.636
Average Aroclor-1016					0.504	0.527
7) L2 Aroclor-1221	2.997	2.937	911408	284062	0.095	0.021 #
8) L2 Aroclor-1...	3.700	3.658	2831834	4116222	0.148	0.151
9) L2 Aroclor-1...	3.885	3.842	15115933	21345277	0.322	0.354
10) L2 Aroclor-1...	4.323	4.247	4334527	4444206	0.640	0.489
11) L2 Aroclor-1...	4.626	4.585	44657511	64871991	7.491	8.273
Sum Aroclor-1221			67851213	95061759	8.697	9.288
Average Aroclor-1221					1.739	1.858
12) L3 Aroclor-1232	3.885	3.842	15115933	21345277	0.383	0.419
13) L3 Aroclor-1...	4.211	4.197	24321554	33542636	0.974	0.973
14) L3 Aroclor-1...	4.739	4.695	25893435	36298942	0.892	0.949
15) L3 Aroclor-1...	5.079	5.071	21938494	33132567	0.967	1.010
16) L3 Aroclor-1...	5.421	5.367	3998260	5817642	0.181	0.190
Sum Aroclor-1232			91267675	130.1E6	3.396	3.541
Average Aroclor-1232					0.679	0.708
17) L4 Aroclor-1242	4.626	4.585	44657511	64871991	0.540	0.557
18) L4 Aroclor-1...	4.739	4.695	25893435	36298942	0.485	0.499
19) L4 Aroclor-1...	5.079	5.071	21938494	33132567	0.477	0.498
20) L4 Aroclor-1...	5.445	5.402	2641610	19827318	0.062	0.268 #
21) L4 Aroclor-1...	5.909	5.904	5890218	8690312	0.280	0.292
Sum Aroclor-1242			101.0E6	162.8E6	1.843	2.114
Average Aroclor-1242					0.369	0.423
22) L5 Aroclor-1248	4.626	4.585	44657511	64871991	0.765	0.779
23) L5 Aroclor-1...	5.079	5.071	21938494	33132567	0.252	0.262
24) L5 Aroclor-1...	5.445	5.402	2641610	19827318	0.032	0.134 #
25) L5 Aroclor-1...	5.590	5.585	12627292	1105559	0.210	0.008 #

Data Path : C:\MSDCHEM\2\DATA\U230508\
Data File : U0508020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 16:31
Operator : LAD
Sample : PCBCCV 0508-2 (PS5-020-13)
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 08 16:41:35 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

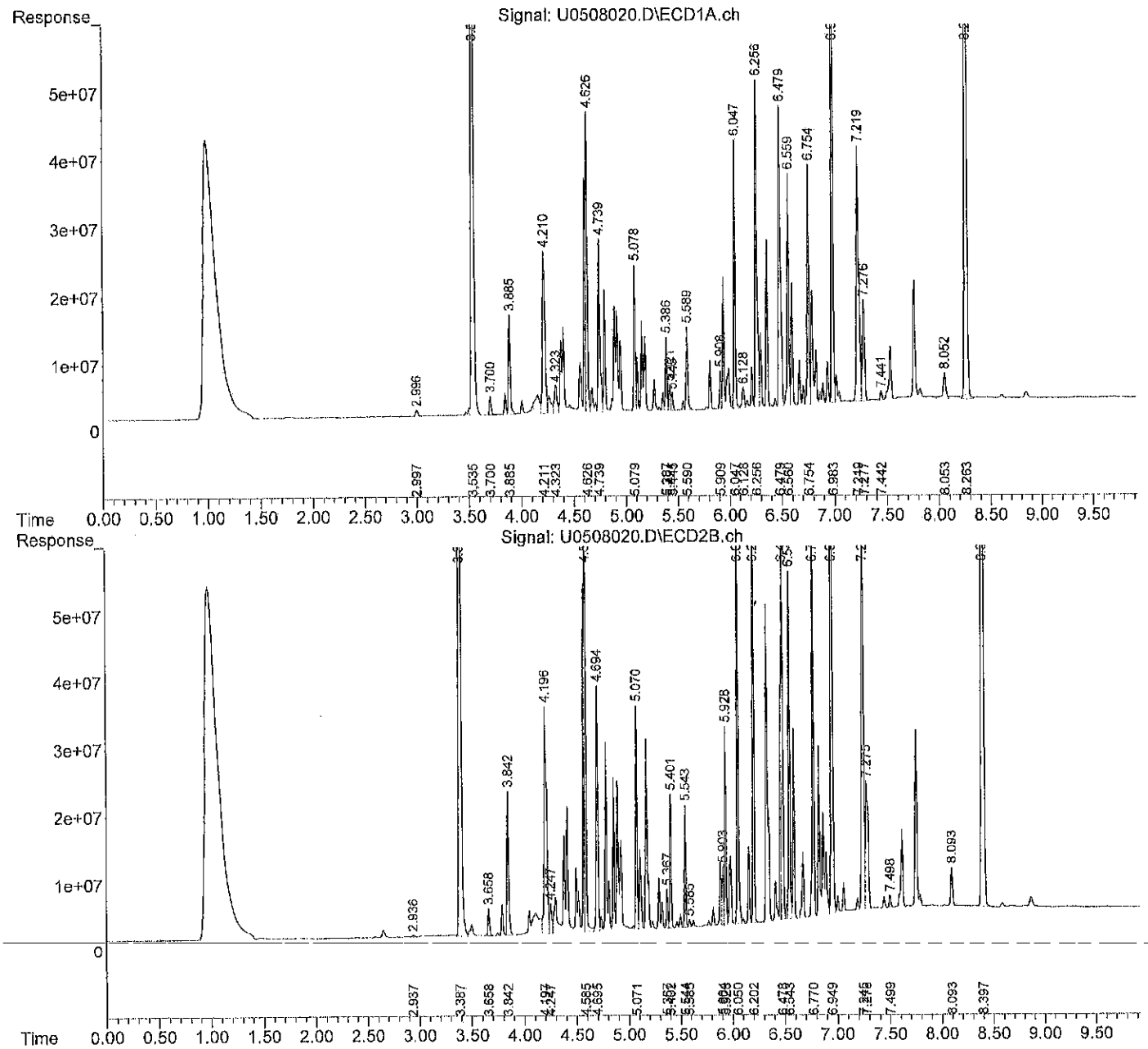
	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26)	L5 Aroclor-1...	5.909	5.904	5890218	8690312	0.110	0.115	
	Sum Aroclor-1248			87755126	127.6E6	1.369	1.298	
Average	Aroclor-1248					0.274	0.260	
27)	L6 Aroclor-1254	5.387	5.402	11238877	19827318	0.155	0.175	
28)	L6 Aroclor-1...	5.590	5.544	12627292	18098634	0.122	0.145	
29)	L6 Aroclor-1...	5.909	5.928f	5890218	29387640	0.045	0.154	#
30)	L6 Aroclor-1...	6.128	6.050f	3123100	60104044	0.033	0.458	#
31)	L6 Aroclor-1...	6.479	6.478	44589835	56405818	0.418	0.393	
	Sum Aroclor-1254			77469322	183.8E6	0.774	1.326	
Average	Aroclor-1254					0.155	0.265	
32)	L7 Aroclor-1260	6.047	6.050	39833331	60104044	0.469	0.491	
33)	L7 Aroclor-1...	6.256	6.202	48578180	72466133	0.470	0.498	
34)	L7 Aroclor-1...	6.479	6.478	44589835	56405818	0.463	0.476	
35)	L7 Aroclor-1...	6.983	6.949	86996765	128.8E6	0.476	0.522	
36)	L7 Aroclor-1...	7.219	7.245	37816710	54493087	0.469	0.524	
	Sum Aroclor-1260			257.8E6	372.3E6	2.347	2.511	
Average	Aroclor-1260					0.469	0.502	
37)	L8 Aroclor-1262	6.256	6.202	48578180	72466133	0.560	0.580	
38)	L8 Aroclor-1...	6.560	6.543	34400881	51807579	0.278	0.307	
39)	L8 Aroclor-1...	6.754	6.770	35601612	56367874	0.327	0.341	
40)	L8 Aroclor-1...	6.983	6.949	86996765	128.8E6	0.392	0.426	
41)	L8 Aroclor-1...	7.219f	7.245	37816710	54493087	0.462	0.387	
	Sum Aroclor-1262			243.4E6	363.9E6	2.019	2.041	
Average	Aroclor-1262					0.404	0.408	
42)	L9 Aroclor-1268	6.754	6.770	35601612	56367874	4.578	5.244	
43)	L9 Aroclor-1...	7.219f	7.245	37816710	54493087	5.679	7.331	#
44)	L9 Aroclor-1...	7.277	7.276	15125347	18781212	0.079	0.074	
45)	L9 Aroclor-1...	7.442	7.499	1296429	1827700	0.008	0.008	
46)	L9 Aroclor-1...	8.053	8.093	4088516	5737549	0.011	0.011	
	Sum Aroclor-1268			93928614	137.2E6	10.355	12.668	
Average	Aroclor-1268					2.071	2.534	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\2\DATA\U230508\
Data File : U0508020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 16:31
Operator : LAD
Sample : PCBCCV 0508-2 (PS5-020-13)
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 08 16:41:35 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\2\DATA\U230508\
Data File : U0508028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 18:06
Operator : LAD
Sample : PCBCCV 0508-3 (PS5-020-13)
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 08 18:16:23 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
System Monitoring Compounds							
1) S TCX	3.535	3.387	164.0E6	232.9E6	0.099	0.103	
Spiked Amount 0.100			Recovery	=	99.00%	103.00%	
47) S DCB	8.262	8.396	96477271	139.3E6	0.101	0.105	
Spiked Amount 0.100			Recovery	=	101.00%	105.00%	
Target Compounds							
2) L1 Aroclor-1016	3.884	3.842	14305507	19970775	0.434	0.465	
3) L1 Aroclor-1...	4.210	4.197	24517091	32226330	0.529	0.509	
4) L1 Aroclor-1...	4.625	4.585	39754898	59861694	0.492	0.537	
5) L1 Aroclor-1...	4.739	4.695	23468816	32968930	0.447	0.470	
6) L1 Aroclor-1...	5.079	5.071	19395079	29899921	0.431	0.460	
Sum Aroclor-1016			121.4E6	174.9E6	2.334	2.441	
Average Aroclor-1016					0.467	0.488	
7) L2 Aroclor-1221	2.997	2.938	932292	373857	0.097	0.028	#
8) L2 Aroclor-1...	3.700	3.658	2636606	3830853	0.138	0.141	
9) L2 Aroclor-1...	3.884	3.842	14305507	19970775	0.305	0.331	
10) L2 Aroclor-1...	4.323	4.247	5099901	4969059	0.753	0.547	#
11) L2 Aroclor-1...	4.625	4.585	39754898	59861694	6.669	7.634	
Sum Aroclor-1221			62729204	89006238	7.962	8.680	
Average Aroclor-1221					1.592	1.736	
12) L3 Aroclor-1232	3.884	3.842	14305507	19970775	0.362	0.392	
13) L3 Aroclor-1...	4.210	4.197	24517091	32226330	0.982	0.935	
14) L3 Aroclor-1...	4.739	4.695	23468816	32968930	0.808	0.862	
15) L3 Aroclor-1...	5.079	5.071	19395079	29899921	0.855	0.911	
16) L3 Aroclor-1...	5.421	5.367	3300200	4937951	0.149	0.161	
Sum Aroclor-1232			84986693	120.0E6	3.156	3.261	
Average Aroclor-1232					0.631	0.652	
17) L4 Aroclor-1242	4.625	4.585	39754898	59861694	0.480	0.514	
18) L4 Aroclor-1...	4.739	4.695	23468816	32968930	0.439	0.453	
19) L4 Aroclor-1...	5.079	5.071	19395079	29899921	0.421	0.449	
20) L4 Aroclor-1...	5.445	5.402	2093101	16622988	0.049	0.225	#
21) L4 Aroclor-1...	5.909	5.902	5293305	7544364	0.252	0.253	
Sum Aroclor-1242			90005198	146.9E6	1.642	1.895	
Average Aroclor-1242					0.328	0.379	
22) L5 Aroclor-1248	4.625	4.585	39754898	59861694	0.681	0.719	
23) L5 Aroclor-1...	5.079	5.071	19395079	29899921	0.223	0.237	
24) L5 Aroclor-1...	5.445	5.402	2093101	16622988	0.025	0.112	#
25) L5 Aroclor-1...	5.590	5.585	10876141	998814	0.181	0.008	#

Data Path : C:\MSDCHEM\2\DATA\U230508\
Data File : U0508028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 18:06
Operator : LAD
Sample : PCBCCV 0508-3 (PS5-020-13)
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 08 18:16:23 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

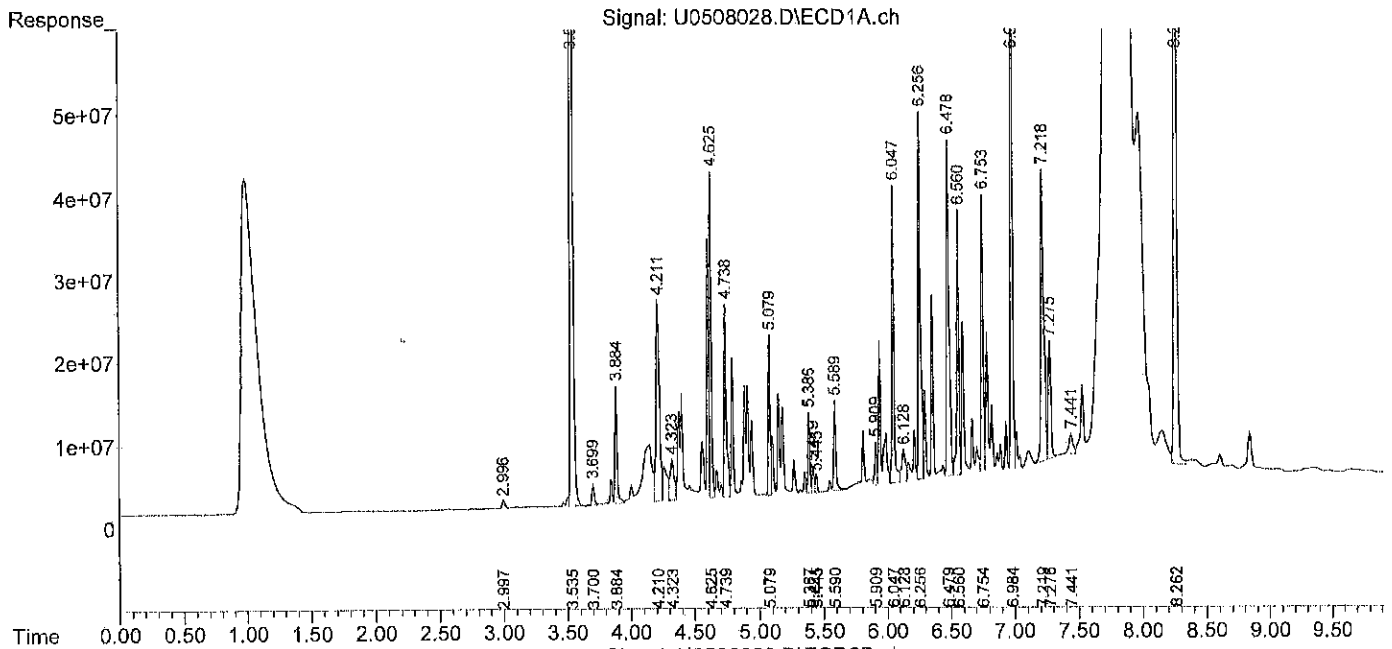
	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm	
26) L5	Aroclor-1...	5.909	5.902	5293305	7544364	0.099	0.100	
Sum	Aroclor-1248			77412524	114.9E6	1.209	1.175	
Average	Aroclor-1248					0.242	0.235	
27) L6	Aroclor-1254	5.387	5.402	9718736	16622988	0.134	0.147	
28) L6	Aroclor-1...	5.590	5.544	10876141	15544962	0.105	0.125	
29) L6	Aroclor-1...	5.909	5.929f	5293305	25667906	0.041	0.135	#
30) L6	Aroclor-1...	6.128	6.050f	3969469	52669046	0.042	0.402	#
31) L6	Aroclor-1...	6.479	6.478	40971369	51395194	0.384	0.358	
Sum	Aroclor-1254			70829020	161.9E6	0.706	1.166	
Average	Aroclor-1254					0.141	0.233	
32) L7	Aroclor-1260	6.047	6.050	36257958	52669046	0.427	0.430	
33) L7	Aroclor-1...	6.256	6.201	44692530	66115733	0.433	0.454	
34) L7	Aroclor-1...	6.479	6.478	40971369	51395194	0.425	0.434	
35) L7	Aroclor-1...	6.984	6.949	82955967	123.3E6	0.454	0.500	
36) L7	Aroclor-1...	7.219	7.245	35390501	52339856	0.439	0.503	
Sum	Aroclor-1260			240.3E6	345.9E6	2.178	2.322	
Average	Aroclor-1260					0.436	0.464	
37) L8	Aroclor-1262	6.256	6.201	44692530	66115733	0.515	0.529	
38) L8	Aroclor-1...	6.560	6.543	32415718	48031556	0.262	0.285	
39) L8	Aroclor-1...	6.754	6.769	33856501	51143092	0.311	0.310	
40) L8	Aroclor-1...	6.984	6.949	82955967	123.3E6	0.374	0.408	
41) L8	Aroclor-1...	7.219f	7.245	35390501	52339856	0.433	0.372	
Sum	Aroclor-1262			229.3E6	341.0E6	1.895	1.903	
Average	Aroclor-1262					0.379	0.381	
42) L9	Aroclor-1268	6.754	6.769	33856501	51143092	4.354	4.758	
43) L9	Aroclor-1...	7.219f	7.245	35390501	52339856	5.314	7.041	#
44) L9	Aroclor-1...	7.276	7.275	14228197	19260704	0.074	0.075	
45) L9	Aroclor-1...	7.441	7.499	2386036	2284206	0.014	0.010	#
46) L9	Aroclor-1...	0.000	8.092	0	5654241	N.D.	0.011	#
Sum	Aroclor-1268			85861234	130.7E6	9.756	11.896	
Average	Aroclor-1268					2.439	2.379	

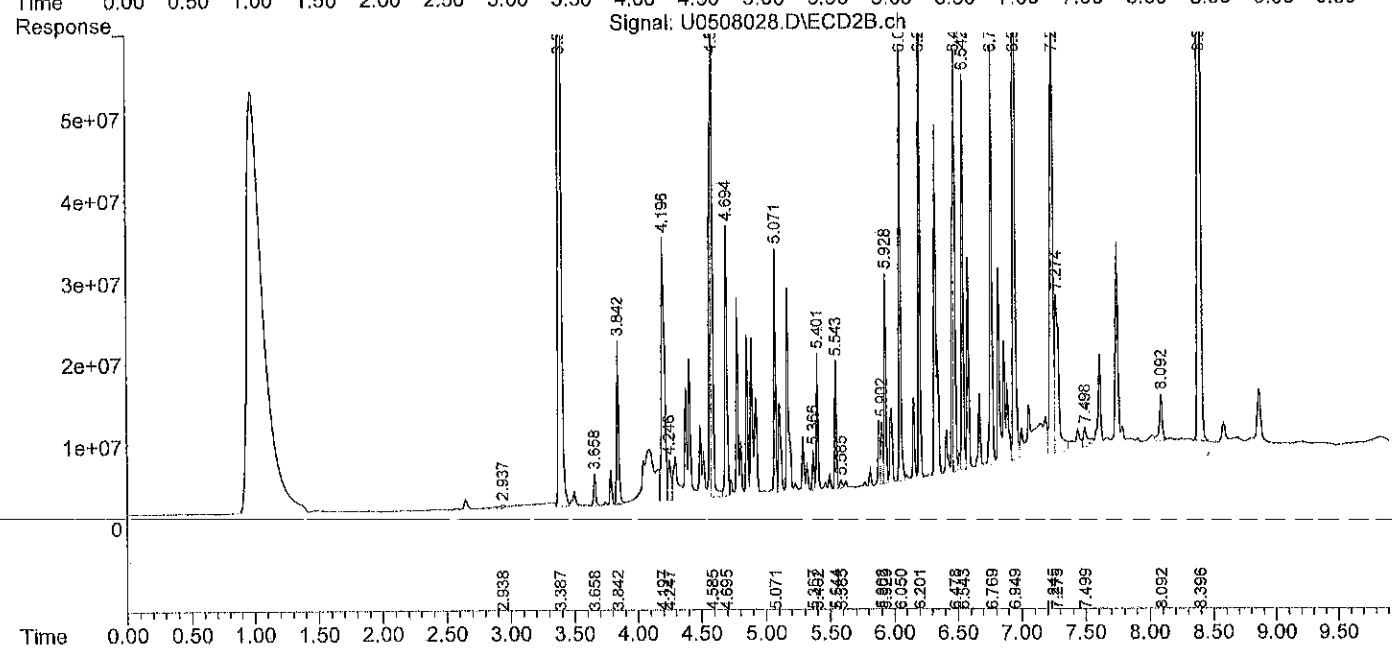
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\2\DATA\U230508\
Data File : U0508028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2023 18:06
Operator : LAD
Sample : PCBCCV 0508-3 (PS5-020-13)
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: May 08 18:16:23 2023
Quant Method : C:\MSDCHEM\2\METHODS\PC230426.M
Quant Title : PCB
QLast Update : Thu Apr 27 10:35:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Sequence Name: C:\msdchem\2\sequence\U230505.s
Comment:
Operator: LAD
Data Path: C:\MSDCHEM\2\DATA\U230505\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
(X) On Mismatch, Don't Inject
( ) Barcode Disabled

Line		Sample Name/Misc Info	
1)	Sample	1	U0505001 PC230426 HEX
2)	Sample	2	U0505002 PC230426 HEX
3)	Sample	3	U0505003 PC230426 PCBCCV 0505-1 (PS5-020-13)
4)	Sample	4	U0505004 PO230426 05-021-02 5X
5)	Sample	5	U0505005 PC230426 HEX
6)	Sample	6	U0505006 PO230426 MB0505O1
7)	Sample	7	U0505007 PO230426 SB0505O1
8)	Sample	8	U0505008 PO230426 SBD0505O1
9)	Sample	9	U0505009 PO230426 05-023-01
10)	Sample	10	U0505010 PO230426 05-023-01 MS
11)	Sample	11	U0505011 PO230426 05-023-01 MSD
12)	Sample	12	U0505012 PO230426 05-023-02
13)	Sample	13	U0505013 PO230426 05-023-03
14)	Sample	14	U0505014 PO230426 05-046-01
15)	Sample	15	U0505015 PC230426 HEX
16)	Sample	16	U0505016 PC230426 PCBCCV 0505-2 (PS5-020-13)
17)	Sample	17	U0505017 PO230426 05-024-01
18)	Sample	18	U0505018 PO230426 05-024-02
19)	Sample	19	U0505019 PO230426 05-024-03
20)	Sample	20	U0505020 PO230426 05-024-04
21)	Sample	21	U0505021 PC230426 HEX
22)	Sample	22	U0505022 PC230426 MB0505S1
23)	Sample	23	U0505023 PC230426 SB0505S1
24)	Sample	24	U0505024 PC230426 SBD0505S1
25)	Sample	25	U0505025 PC230426 04-332-19
26)	Sample	26	U0505026 PC230426 04-332-19 MS
27)	Sample	27	U0505027 PC230426 04-332-19 MSD
28)	Sample	28	U0505028 PC230426 HEX
29)	Sample	29	U0505029 PC230426 PCBCCV 0505-3 (PS5-020-13)
30)	Sample	30	U0505030 PC230426 04-322-03
31)	Sample	31	U0505031 PC230426 04-322-04
32)	Sample	32	U0505032 PC230426 04-323-02
33)	Sample	33	U0505033 PC230426 04-332-09
34)	Sample	34	U0505034 PC230426 04-332-25
35)	Sample	35	U0505035 PC230426 04-332-31
36)	Sample	36	U0505036 PC230426 05-041-08
37)	Sample	37	U0505037 PC230426 04-322-01
38)	Sample	38	U0505038 PC230426 04-322-02
39)	Sample	39	U0505039 PC230426 HEX
40)	Sample	40	U0505040 PC230426 PCBCCV 0505-4 (PS5-020-13)
41)	Sample	41	U0505041 PC230426 04-330-05
42)	Sample	42	U0505042 PC230426 HEX
43)	Sample	43	U0505043 PC230426 04-330-04

Sequence Name: C:\msdchem\2\sequence\U230505.s

	Line Type	Vial	DataFile	Method	Sample Name
44)	Sample	44	U0505044	PC230426	HEX
45)	Sample	45	U0505045	PC230426	04-330-01
46)	Sample	46	U0505046	PC230426	HEX
47)	Sample	47	U0505047	PC230426	04-330-02
48)	Sample	48	U0505048	PC230426	HEX
49)	Sample	49	U0505049	PC230426	04-322-05
50)	Sample	50	U0505050	PC230426	HEX
51)	Sample	51	U0505051	PC230426	04-330-03
52)	Sample	52	U0505052	PC230426	HEX
53)	Sample	53	U0505053	PC230426	PCBCCV 0505-5 (PS5-020-13)
54)	Sample	54	U0505054	PC230426	VIAL TEST 1
55)	Sample	55	U0505055	PC230426	VIAL TEST 2
56)	Sample	56	U0505056	PC230426	VIAL TEST 3
57)	Sample	57	U0505057	PC230426	VIAL TEST 4
58)	Sample	58	U0505058	PC230426	VIAL TEST 5
59)	Sample	59	U0505059	PC230426	
60)	Sample	60	U0505060	PC230426	

Sequence Name: C:\msdchem\2\sequence\U230508.s
Comment:
Operator: LAD
Data Path: C:\MSDCHEM\2\DATA\U230508\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
(X) On Mismatch, Don't Inject
( ) Barcode Disabled

Line		Sample Name/Misc Info
1)	Sample 1	U0508001 PC230426 HEX
2)	Sample 2	U0508002 PC230426 HEX
3)	Sample 3	U0508003 PC230426 PCBCCV 0508-1 (PS5-020-13)
4)	Sample 4	U0508004 PC230426 HEX
5)	Sample 5	U0508005 PC230426 HEX
6)	Sample 6	U0508006 PC230426 04-330-05 RR
7)	Sample 7	U0508007 PC230426 HEX
8)	Sample 8	U0508008 PC230426 HEX
9)	Sample 9	U0508009 PC230426 SB0504W2
10)	Sample 10	U0508010 PC230426 SBD0504W2
11)	Sample 11	U0508011 PC230426 MB0504W1
12)	Sample 12	U0508012 PC230426 05-020-01
13)	Sample 13	U0508013 PC230426 04-330-01 5X
14)	Sample 14	U0508014 PC230426 04-330-02 5X
15)	Sample 15	U0508015 PC230426 04-330-03 5X
16)	Sample 16	U0508016 PC230426 04-330-04 5X
17)	Sample 17	U0508017 PC230426 04-330-05 5X
18)	Sample 18	U0508018 PC230426 HEX
19)	Sample 19	U0508019 PC230426 ~~PCBCCV 0508-1 (PS5-020-13)~~ HEX
20)	Sample 20	U0508020 PC230426 PCBCCV 0508-2 (PS5-020-13)
21)	Sample 21	U0508021 PC230426 MB0505S1 MCU
22)	Sample 22	U0508022 PC230426 04-330-01 MCU
23)	Sample 23	U0508023 PC230426 04-330-02 MCU
24)	Sample 24	U0508024 PC230426 04-330-04 MCU
25)	Sample 25	U0508025 PC230426 04-330-05 MCU
26)	Sample 26	U0508026 PC230426 04-330-03 MCU 5X
27)	Sample 27	U0508027 PC230426 HEX
28)	Sample 28	U0508028 PC230426 PCBCCV 0508-3 (PS5-020-13)

Environmental Inc.

PCB'S EXTRACTION LOG

Date: 5/5/23 Time Ext. _____ am/pm

Analysis: PCB

Matrix: Soil

Surrogate Std. I.D: PSS-021-06

Spike Std. I.D: PSS-020-01

LAB ID	pH	SAMPLE W/V	INTER VOLUME	ALIQUOT TAKEN	ALIQUOT FIN VOL	SAMPLE FIN VOL	AMT SUR	AMT SPK	CLEAN UP	ANALYST	COMMENTS/ BATCH QA
MB050551		50g	100mL	50mL	0.5mL	1	100uL	✓	A	MB	Surr: PSS-017-01
SB050551		20g		5mL	1mL	20		100uL			
SBD050551		1		1	1	1		1			
04-330-01b		50g		50mL	0.5mL	1		—			Surr: PSS-017-01
02b											
03b											
04b											
05b											
04-322-01a		20g		5mL	1mL	20					
02a											
03a											
04a											
05a											
04-332-02a											
09a											
19a								—			
19a MS								100uL			
19a MSD								1			
25a								—			
31a								1			
05-041-08		1		1	1	1	1	1			

5/15/23 MS

Clean-up (A)Acid cleanup (S)Silica gel cleanup (F)Florisil cleanup (H)Mercury Cleanup

Description	LAB ID	Conc	MFR/ Lot #	Date Recd	Initials
AR1221	PNZ-16-01	1000 ppm	Agilent CS-0155	8/11/20	KMS
AR1248	PNZ-16-02	1000 ppm	Agilent 0006525168	8/4/20	KMS
AR1260 Stock	PNZ-16-03	5000 ppm	agilent 0006544801	9/15/20	KMS Used 7/13/21
AR1262	PNZ-16-04	100 ppm	Agilent 0006499800	9/15/20	KMS
Toxaphene	PNZ-16-05	1000 ppm	AccuStd 217111217	9/24/20	KMS
~~Dalapon, Acid~~	~~PNZ-16-06~~	~~1000 ppm~~	AccuStd 220031455-01	11/17/20	KMS Used 11/19
Bentazon, Acid	PNZ-16-07	1000 ppm	AccuStd 22009392	↓	↓
2,4,6-Trichlorophenol	PNZ-16-08	100 ppm	Agilent 0006463719		
MCPA, Acid	PNZ-16-09	2000 ppm	AccuStd 220081009		
~~Herbs, Acid~~	~~PNZ-16-10~~	~~100/10000 ppm~~	AccuStd 218121181-01		Discarded 12/14/21
~~AR1016~~	~~PNZ-16-11~~	~~1000 ppm~~	Agilent ~~CS-1400~~	~~12/3/20~~	~~KMS~~ Discarded 5/10/22
DCB	PNZ-16-12	1000 ppm	Agilent 0006513005	↓	↓ Used 7/13/21
TCMX	PNZ-16-13	2000 ppm	Agilent CS-1989	1-7-21	KMS Used 7/13/21
HCBD	PNZ-16-14	2000 ppm	AccuStd 220081360	1-12-21	KMS
Herbs, ME	PNZ-16-15	100/10000 ppm	AccuStd 217081017 01	1-21-21	KMS Used 1/28/22
~~DCAA, ME~~	~~PNZ-16-16~~	~~100 ppm~~	AccuStd 22007258	↓	↓ Discarded 5/10/22
Bentazon Methyl	PNZ-16-17	100 ppm	AccuStd 216041398-02	↓	↓
~~2,4,6-TCP ME~~	~~PNZ-16-18~~	~~100 ppm~~	Supelco-Aldrich LRAC8542	2/19/21	KMS Discarded 5/10/22
~~2,4,6-TCP ME~~	~~PNZ-16-19~~	~~100 ppm~~	↓	↓	↓ Used up 1/28/22
~~Pest Stock~~	~~PNZ-16-20~~	~~1000 ppm~~	AccuStd 000654 6478	4/21/21	KMS Discarded 11/8/21
DCB	PNZ-16-21	1000 ppm	Agilent 0006599545	4/30/21	KMS Used up 11/28/21
AR1200 Stock	PNZ-16-22	5000 ppm	Agilent 0006544801	6/7/21	KMS Used 7/13/21
TCMX	PNZ-16-23	2000 ppm	Agilent 0006612638	7/13/21	KMS Used 8/4/21
Herb ECV	PNZ-16-24	100, 10000 ppm	Agilent 0006543710	7/13/21	KMS Discarded 11/8/21
ECB	PNZ-16-25	1000 ppm	Agilent 0006599545	7/28/21	KMS Used up 11/28/21
~~DCAA, Acid~~	~~PNZ-16-26~~	~~100 ppm~~	AccuStd 220021228-01	8-3-21	KMS Used 2/24/22
HCB	PNZ-16-27	2000 ppm	AccuStd 217101125	10/21/21	KMS

Description	Lab ID	Conc	MFR/ Lot #	Date Rec'd	Initials
Pesticide Mix ICV	PNZ-17-01	1000 100ppm	Accu Std 22102152	10/21/21	KMS
Dalapon, Acid	PNZ-17-02	1000 ppm	Accu Std 22003145502		Discarded 4/22/22 KMS
Tech Chlordane	PNZ-17-03	1000 ppm	Accu Std 22102254		
TCMX	PNZ-17-04	2000 ppm	Agilent 0006626238	12/6/21	KMS
Herb, Acids	PNZ-17-05	100/10000 ppm	Accu Std 22109137-9	12/9/21	KMS
Pentachlorophenol	PNZ-17-06	5000 ppm	Accu Std 22006599	12/9/21	KMS
AR1260 Stock	PNZ-17-07	5000 ppm	Agilent 0006544801	12/14/21	KMS
Pest Mix	PNZ-17-08	1000 ppm	Agilent 0006626043	12/14/21	KMS
DCB	PNZ-17-09	1000 ppm	Agilent 0006599545	1/13/22	KMS
DCAA, Acid	PNZ-17-10	100 ppm	Accu Std 22081286	1/13/22	KMS
AR1016	PNZ-17-11	1000 ppm	Agilent 0006609655	1/25/22	KMS
AR1232	PNZ-17-12	1000 ppm	Agilent CS-0560		
AR1254	PNZ-17-13	1000 ppm	Agilent CR-1152		
AR1260	PNZ-17-14	1000 ppm	Agilent 0006592724		
AR1268	PNZ-17-15	100 ppm	Agilent 0006587800		
AR1016 ICV	PNZ-17-16	1000 ppm	Sigma LRAC3582	1/27/22	KMS
		17 18			
AR1260 ICV	PNZ-17-19	1000 ppm	Sigma LRAD1068	1/27/22	KMS
		20 21			
DCAA, ME	PNZ-17-22	100 ppm	Accu Std 22201517	1/27/22	KMS
EDB ICV	PNZ-17-23	200 ppm	Accu Std 22011118	2/3/22	KMS
Herbs, ME	PNZ-17-24	Varied	Accu Std 21708111-01	3/3/22	KMS
X DCAA, ME	PNZ-17-25	100 ppm	Accu Std 22007258-01		
Dalapon, Acid	PNZ-17-26	1000 ppm	Accu Std 22202548		
EDB/DBCP	PNZ-17-27	200 ppm	Agilent 0006621521	3/29/22	KMS

18 22

Description	Lab ID	Conc	MFG/ Lot #	Date Recd	Initials
2,4,6-Trichloroanisole	PN2-18-01	100 ppm	Sigma Aldrich LRAD0857	5/4/22	KMS
↓	↓ ↓ 02	↓	↓	↓	↓
DCB	PN2-18-03	1000 (ppm) µg/mL	Agilent 0006666125	6/14/22	P.B.
AR1221	PN2-18-04	1000 ppb	Agilent CS-0155	6/14/22	P.B.
AR 1242	PN2-18-05	1000 ppb	Agilent 0006557581	6/14/22	P.B.
AR 1248	PN2-18-06	1000 ppb	Agilent 0006626342	6/14/22	P.B.
Toxaphene	PN2-18-07	1000 ppb	AccuStandard 221071537	6/16/22	P.B.
Herb ICV	PN2-18-08	100, 10000 ppm	Agilent 0006622857	7/7/22	P.B.
ICV Single-Column Analytes mix (Pest. mix 2nd source)	PN2-18-09	1000 ppm	AccuStandard M-8081-SC	7/8/22	P.B. 7/11/22
Pest Degredation Std.	PN2-18-10	100 ppm	Restek A0186032	7/11/22	P.B.
Bentazon, Me	PN2-18-11	100 ppm	AccuStandard 216041398-02	7/21/22	P.B.
Pest ICV 2nd Source	PN2-18-12	1000 ppm	AccuStandard M-8081-SC	8/4/22	P.B.
TCMX Surr	PN2-18-13	2000 ppm	Agilent IST-440-1	8/9/22	P.B.
DCB Surr.	PN2-18-14	1000 ppm	Agilent 0006666125	10/18/22	P.B.
AR1260 Stock Std.	PN2-18-15	5000 ppm	Agilent 0006544801	11/15/22	P.B.
AR1016 ICV	PN2-18-16	1000 ppm	Sigma LRAD2481	12/14/22	P.B.
↓	PN2-18-17	↓	↓	↓	↓
↓	PN2-18-18	↓	↓	↓	↓
~~Dieldrin~~ Herb ICV	~~PN2-18-19~~ PN2-18-19	100, 10000 ppm	Agilent 0006681060	1/10/23	P.B.
DCAA, acid	PN2-018-20	100 ppm	AccuStandard 222101305	1/12/23	P.B.
DCAA, Me	PN2-018-21	100 ppm	AccuStandard 222011517	1/12/23	P.B.
Pentachloroanisole	PN2-018-22	100 ppm	AccuStandard 219121331	1/12/23	P.B.
Herbs, Me	PN2-018-23	100/10000 ppm	AccuStandard 217081111-01	1/12/23	P.B.
Bentazon, Me	PN2-018-24	100 ppm	AccuStandard 222091037	1/12/23	P.B.
2,4,6-Trichloroanisole	PN2-018-25	100 ppm	AccuStandard LRAD0857	1/12/23	P.B.
↓	-26	↓	↓	↓	↓
↓	-27	↓	↓	↓	↓
2,4,6-Trichlorophenol	PN2-018-28	100 ppm	Agilent	2/7/23	P.B.

Description	Lab ID	Conc.	MFG/ Lot #	Date Rec'd	19 Initials
DCB Surr.	PN2-19-01	1000 ppm	Agilent 0006666125	2/21/23	P.B.
TCMX Surr.	PN2-19-02	2000 ppm	Agilent 0006672638	2/21/23	P.B.
Herbs, Acid	PN2-19-03	100/10000 ppm	Accustandard 22211180	2/23/23	P.B.
Bentazon, Acid	PN2-19-04	1000 ppm	Accustandard 222121160	2/23/23	P.B.
Toxaphene 2nd Src.	PN2-19-05	100 ppm	Agilent 0006701582	3/7/23	P.B.
Pest ICV 2nd Src.	PN2-19-06	1000 ppm	Accustandard M-8081-SC	3/10/23	P.B.
Toxaphene Primary Src.	PN2-19-07	1000 ppm	Accustandard 22107 1537	3/10/23	P.B.
Tech Chlordane Primary Src	PN2-19-08	1000 ppm	Accustandard 222121208	3/10/23	P.B.
Tech Chlordane 2nd Src	PN2-19-09	1000 ppm	Supelco LRAD2866	3/10/23	P.B.
Aroclor 1260 Stock Std	PN2-19-10	5000 ppm	Agilent 0006544801	3/14/23	P.B.
Dalapon, Me in hexane	PN2-19-11	2000 µg/mL	Restek ~~A1809~~ A0193324	3/14/23	P.B.
	-12				
Dalapon, Me Methanol	PN2-19-13	1000 µg/mL	Agilent 0006735162	3/20/23	P.B.
Dalapon, Me Methanol	PN2-19-14	1000 µg/mL	Restek A0170243	3/22/23	P.B.
Dalapon, Me Methanol	PN2-19-15	1000 µg/mL	Restek A0195901	3/22/23	P.B.
2,4,6-Trichlorophenol	PN2-19-16	100 µg/mL	Agilent 0006634460	4/19/23	P.B.
AR 1242	PN2-19-17	1000 µg/mL	Agilent 0006557581	4/19/23	P.B.
AR 1248	PN2-19-18	1000 µg/mL	Agilent 0006626342	4/19/23	P.B.
AR 1262	PN2-19-19	100 µg/mL	Agilent 0006715896	4/19/23	P.B.
2,4,6-Trichloroanisole	PN2-19-20	100 µg/mL	Supelco LRAD0857	4/21/23	P.B.
	-21				
	-22				
Bentazon, Acid	PN2-19-23	1000 µg/mL	Accustandard 22208 1089	4/21/23	P.B.
~~2,4~~ DCAA, Me	PN2-19-24	0.1 mg/mL	Accustandard 22291517-01	4/21/23	P.B.
EDB/DBCP ICV	PN2-19-25	200 ng/mL	Agilent 0006621521	4/25/23	LEJ

16

Name	Lab ID	Stock ID	Stock Conc.	Stock Vol.	Final Vol.	Final Conc.	Solvent	Date	Synthesized?	Exp.
AR1221 SPQ ~~TCMX/DCB~~	PSS-016-01	PN2-16-01	1000 ppm	12.5 µL	25 mL	0.5 ppm	hexane	10/25/22	P.B.	4/25/2
AR1232 SPQ	PSS-016-02	PN2-17-12								
AR 1242 SPQ	PSS-016-03	PN2-15-13								
AR1248 SPQ	PSS-016-04	PN2-16-02								
AR1254 SPQ	PSS-016-05	PN2-17-13								
AR1262 SPQ	PSS-016-06	PN2-16-04	100 ppm	125 µL						
AR 1268 SPQ	PSS-016-07	PN2-17-15								
Pest/PCB Spl. Stock	PSS-016-08	–			25 mL	20 ppm	Acetone	10/27/22	P.B.	4/27/23
TCMX		PN2-18-13	2000 ppm	0.25 mL						
PCB		PN2-8-03	1000 ppm	0.5 mL						
PCB Stock	PSS-016-09	–	–		10 mL		Hexane	11/8/22	P.B.	11/8/23
AR 1016		PN2-17-11	1000 ppm	250 µL		25 ppm				
AR 1260		PN2-17-14								
TCMX		PN2-18-13	2000 ppm	25 µL		5 ppm				
DCB		PN2-18-03	1000 ppm	50 µL						
PCB ~~EC~~	–	–	–	–	–	ppm	Hexane	11/8/22	P.B.	11/8/23
0.02 ppm	PSS-016-10	PSS-016-09	25/5 ppm	20 µL	25 mL	0.02/0.04				
0.05	-11			50 µL		0.05/0.1				
0.1	-12			100 µL		0.1/0.2				
0.25	-13			250 µL		0.25/0.5				
0.5	-14			500 µL		0.5/1.0				
0.75	-15			750 µL		0.75/1.5				
0.1	-16			1.0 mL		1.0/2.0				
0.2	-17			2.0 mL		2.0/4.0				
DCB CCV	PSS-016-18	PSS-016-09	–	0.5 mL	Remade 25 mL	12/8/22 –	Hexane	11/9/22	P.B.	5/9/23
AR1016/1260			25 ppm			0.5 ppm				
TCMX/DCB			5 ppm			0.1 ppm				

Name	Lab ID	Stock ID Conc	Stock Conc. Unit	Stock Vol.	Final Vol.	Final Conc.	Solvent	Date	Initials	Exp.
~~HPCB~~ Water Surr	PSS-017-01	–	–	~~25 µL~~ Remade 5/11/23	~~5 mL~~	2 ppm	Acetone	11/10/22	P.B.	5/10/23
TCMX		PN2-18-13	2000 ppm	25 µL	25 mL					
DCB		PN2-18-03	1000 ppm	50 µL						
~~Soil~~ ~~HPCB~~ Spike	PSS-017-02	PN2-17-08	1000 ppm	0.5 mL	25 mL	20 ppm	Acetone			
20 pests				Remade 5/11/23						
H2O Spike	PSS-017-03	PSS-017-02	20 ppm	0.5 mL	10 mL	1 ppm				
20 pests		5/11/23								
HPCB Soil Surr	PSS-017-04	–			25 mL					
TCMX		PN2-18-13	2000 ppm	0.25 mL		0.5 ppm				
DCB		PN2-18-14	1000 ppm	0.5 mL		0.1 ppm				
Mid CCV	PSS-017-05	PSS-012-10	25 ppm	100 µL	25 mL	100 ppb	Hexane	11/18/22	P.B.	5/18/23
Soil Spike	PSS-17-06	PN2-017-01	5000 ppm	0.5 mL	25 mL	100 ppm	Acetone	11/30/22	P.B.	5/30/23
HPCB Soil Surr	PSS-017-07	–	– Remade	12/27/22	25 mL	–	Acetone	11/30/22	P.B.	5/30/23
TCMX		PN2-18-13	2000 ppm	0.25 mL		0.5 ppm				
DCB		PN2-18-14	1000 ppm	0.5 mL		0.1 ppm				
Evnl	PSS-017-08	PN2-18-10	100 ppm	25 µL	25 mL	100 ppb	Hexane	12/5/22	P.B.	6/5/23
Endrin/DDT										
EB CCV	PSS-017-09	PSS-016-09	–	0.5 mL	25 mL	–	Hexane	12/8/22	P.B.	6/8/23
AR1016/1260			25 ppm			0.5 ppm				
TCMX/DCB			5 ppm			0.1 ppm				
CB ICV Stock	PSS-017-10	–	–	–	–	–	Hexane	12/14/22	P.B.	12/14/23
AR1016		PN2-18-16	1000 ppm	250 µL	10 mL	25 ppm				
AR1260		PN2-17-19				25 ppm				
TCMX		PN2-18-13	2000 ppm	25 µL		5 ppm				
DCB		PN2-18-14	1000 ppm	50 µL		5 ppm				
CB ICV	PSS-017-11	PSS-017-10	–	0.5 mL	25 mL	–	Hexane	12/14/22	P.B.	6/14/23
AR1016/1660			25 ppm			0.5 ppm				
TCMX/DCB			5 ppm			0.1 ppm				

Name	Lab ID	Stock ID	Stock conc.	Stock Vol.	Final Vol.	Final conc.	Solvent	Date	Initials	Exp.
EDB Surr	PSS-018-01	–	–	–	100 mL	–	MeOH	12/27/22	P.B.	6/27/23
TCMX	1	PN2-18-13	2000 ppm	17.5 µL	1	0.35 ppm	1	1	1	1
PCB/Pest Surr	PSS-018-02	–	–	–	25 mL	20 ppm	Acetone	12/27/22	P.B.	6/27/23
TCMX	1	PN2-018-13	2000 ppm	250 µL	1	1	1	1	1	1
DCB	1	PN2-018-14	1000 ppm	500 µL	1	1	1	1	1	1
Herb Stock	PSS-018-03	–	–	–	10 mL	–	Acetone/ Hexane	12/30/22	P.B.	6/30/23
10 Herbs/Me	1	PN2-17-24	100/10000 ppm	1 mL	1	10/1000 ppm	1	1	1	1
DCAA, Me	1	PN2-17-22	100 ppm	1	1	10 ppm	1	1	1	1
2,4,6-TCP, Me	1	PN2-18-02	1	1	1	10 ppm	1	1	1	1
Bentazon, Me	1	PN2-18-11	1	0.5 mL	1	50 ppm	1	1	1	1
PCP, Me	1	PN2-15-19	1	100 µL	1	10 ppm	1	1	1	1
Herb IC	~~PSS-018-04~~	PSS-018-03	10 ppm, etc	–			Hexane	12/30/22	P.B.	6/30/23
2.0 ppb	PSS-018-04	1	1	2 µL	10 mL	2.0 ppb	1	1	1	1
5.0 ppb	-05	1	1	5	1	5.0	1	1	1	1
10	-06	1	1	10	1	10	1	1	1	1
25	-07	1	1	25	1	25	1	1	1	1
50	-08	1	1	50	1	50	1	1	1	1
100	-09	1	1	100	1	100	1	1	1	1
250	-10	1	1	250	1	250	1	1	1	1
500	-11	1	1	500	1	500	1	1	1	1
1000	-12	1	1	1000	1	1000	1	1	1	1
Herb CCV	PSS-018-13	PSS-018-03	100/1000 ppm	0.25 mL	25 mL	100/1000 ppb	Hexane	12/30/22	P.B.	6/30/23
Herb ICV	PSS-018-14	PN2-18-08	100 ppm	10 ~~25~~ µL	10 ~~25~~ mL	100 ppb	Hexane/ Acetone	12/30/22	P.B.	6/30/23
Pest IC	–	–	–	–	–	–	Hexane	1/4/23	P.B.	7/4/23
1 ppb	PSS-018-15	PSS-012-10	25 ppm	1 µL	25 mL	1.0 ppb	1	1	1	1
2	-16	1	1	2	1	2.0	1	1	1	1
5	-17	1	1	5	1	5.0	1	1	1	1
10	-18	1	1	10	1	10	1	1	1	1
25	-19	1	1	25	1	25	1	1	1	1
50	-20	1	1	50	1	50	1	1	1	1
100	-21	1	1	100	1	100	1	1	1	1
200	-22	1	1	200	1	200	1	1	1	1
500	-23	1	1	500	1	500	1	1	1	1

Name	Lab ID	Stock ID	Stock Conc.	Stock Vol.	Final Vol.	Final Conc.	Solvent	Date	Initials	Exp.
Herb Surr.	PSS-019-01	-	-	-	-	-	-	1/14/23	P.B.	7/4/23
DCAA, acid	-	PN2-017-10	100 ppm	1 mL	10 mL	10 ppm	Acetone	1	1	1
Herb Spike	PSS-019-02	-	-	-	10 mL	-	Acetone	1/4/23	P.B.	7/4/23
10 Herbs, acid	1	PN2-17-05	100 ppm	1 mL	1	10 ppm	1	1	1	1
Dinoseb, acid		PN2-17-26	1000	0.9 mL		90 ppm				
PCP, acid		PN2-17-06	5000	2 µL		1 ppm				
Pest Mid CCV	PSS-019-03	PSS-012-10	25 ppm	100 µL	25 mL	100 ppb	Hexane	1/19/23	P.B.	7/19/23
PCB CCV	PSS-019-04	PSS-016-09	-	0.5 mL	25 mL	-	Hexane	1/19/23	P.B.	7/19/23
AR1016/1260	1	1	25 ppm	1	1	0.5 ppm	1	1	1	1
TCMX/DCB			5 ppm			0.1 ppm				
Pest/PCB Surr.	PSS-019-05	-	-	-	25 mL	20 ppm	Acetone	1/23/23	P.B.	7/23/23
TCMX	1	PN2-018-13	2000 ppm	250 µL	1	1	1	1	1	1
DCB		PN2-018-14	1000 ppm	500 µL						
Tech Chlordane SRQ	PSS-019-06	PN2-017-03	1000 ppm	125 µL	25 mL	500 ~~1000~~ ppb	Hexane	1/27/23	P.B.	7/27/23
PCB Mtx. Spike	PSS-019-07	PN2-017-07	500 ppm	50 µL	25 mL	10 ppm	Acetone	1/31/23	P.B.	7/31/23
AR1260	1	1	1	1	-	-	-	-	1	1
Pest Eval	PSS-019-08	PN2-18-10	100 ppm	25 µL	25 mL	100 ppb	Hexane	2/6/23	P.B.	8/6/23
Endrin/DDT	1	1	1	1	1	1	1	1	1	1
								5/11/23		
Herb Spike	PSS-019-09	~~PN2-17-05~~	-	-	10 ~~25~~ mL	-	Acetone	2/13/23	P.B.	8/17/23
10 Herbs, Acid	1	PN2-17-05	100 ~~1000~~ ppm	1 mL	1	10 ~~100~~ ppm	1	1	1	1
PCP, acid		PN2-17-06	5000 ppm	2 µL		1 ppm				
Bentazon, acid		PN2-16-07	1000 ppm	50 µL		5 ppm				
2,4,6-TCP, acid		PN2-18-28	100 ppm	1 mL		10 ppm				
Pest/PCB Surr.	PSS-019-10	-	-	-	25 mL	20 ppm	Acetone	2/16/23	P.B.	8/16/23
TCMX	1	PN2-018-13	2000 ppm	250 µL	1	1	1	1	1	1
DCB		PN2-018-14	1000 ppm	500 µL						
Toxaphene SRQ	PSS-019-11	PN2-018-07	1000 ppm	25 µL	25 mL	1000 ppb	Hexane	2/28/23	P.B.	8/28/23
Pest ICV	PSS-019-12	PN2-18-12	1000 ppm	5 µL	50 mL	100 ppb	Hexane	2/28/23	P.B.	8/28/23

20

Name	Lab ID	Stock ID	Stock Conc.	Stock Vol.	Final Vol.	Final Conc.	Solvent	Date	Initials	Exp.
					Remade 5/30/23					
PCB Soil Spike	PSS-020-01	PN2-017-~~04~~	5000 ppm	0.5 mL	25 mL	100 ppm	Acetone	3/14/23	P.B.	9/14/23
Herb Stock	PSS-020-02	—	—	~~450 µL~~ 0.45 mL	10 mL	—	Acetone/ Hexane	3/14/23	P.B.	10/9/23 ~~9/14/23~~
Dalapon, me		PN2-19-11	2000 ppm			90 ppm				
10 Herbs, me		PN2-18-23	100/10000 ppm	1 mL		10/1000 ppm				
DCAA, me		PN2-17-25	100 ppm			10 ppm				
2,4,6-TCP, me		PN2-18-27								
Bentazon, me		PN2-18-24		~~500 µL 0.5 mL~~		5.0 ppm				
PCP, me		PN2-15-19		100 µL		1.0 ppm				
Herb IC	—	—	—	—	—	—	Hexane	3/15/23	P.B.	9/15/23
2.0 ppb	PSS-020-03	~~PSS-020-02~~	10 ppm, etc	2 µL	10 mL	2 ppb				
5.0 ppb	-04			5		5				
10 ppb	-05			10		10				
20 ppb	-06			20		20				
50 ppb	-07			50		50				
100 ppb	-08			100		100				
250 ppb	-09			250		250				
500 ppb	-10			500		500				
1000 ppb	-11			1000		1000				
PSS/RCB Soil Surr	PSS-020-12	—	—	—	25 mL	20 ppm	Acetone	3/20/23	P.B.	9/20/23
TCMX		PN2-18-13	2000 ppm	250 µL						
DCB		PN2-18-14	1000 ppm	500 µL						
PCB CCV	PSS-020-13	PSS-016-09	—	0.5 mL	25 mL	—	Hexane	3/20/23	P.B.	9/20/23
AR 1016/1260			25 ppm		Remade	0.5 ppm				
TCMX/DCB			5 ppm			0.1 ppm				
Herb Surr.	PSS-020-14	—	—	—	—	—	Acetone	3/23/23	P.B.	9/23/23
DCAA, acid		PN2-~~11~~ 18-20	100 ppm	1 mL	10 mL	10 ppm				
Herb Spike	PSS-020-15	—	—	—	10 mL	—	Acetone	3/23/23	P.B.	9/23/23
10 Herbs, acid	~~PN2-19-03~~	PN2-19-03	100/1000 ppm	1 mL	~~10 ppm~~	10/1000 ppm				
Dalapon, acid	~~PN2-17-26~~	PN2-17-26	1000	0.9 mL	~~90 ppm~~	90 ppm				
PCP, acid	~~PN2-17-06~~	PN2-17-06	5000	2 µL	~~1 ppm~~	1 ppm				
Bentazon, acid	~~PN2-16-07~~	PN2-16-07	1000	50 µL	~~5 ppm~~	5 ppm				
2,4,6-TCP, acid	~~PN2-18-28~~	PN2-18-28	100	1 mL	~~10 ppm~~	10 ppm				

Name	Lab ID	Stock ID	Stock Conc.	Stock Vol.	Final Vol.	Final Conc.	Solvent	Date	Initials	Exp.
Pest/PCB soil surr	PSS-021-01	–	–	–	25 mL	20 ppm	Acetone	4/6/23	P.B.	10/6/23
TCMX	〃	PN2-18-13	2000 ppm	250 µL	〃	〃	〃	〃	〃	〃
DCB	〃	PN2-18-14 19-01	1000 ppm	500 µL	〃	〃	〃	〃	〃	〃
Pest Mid CCV	PSS-21-02	PSS-12-10	25 ppm	100 µL	25 mL	100 ppb	Hexane	4/7/23	P.B.	10/7/23
EDB Spike	PSS-21-03	PSS-017-07	200 ppm	17.5 µL	10 mL	0.35 ppm	MeOH	4/13/23	P.B.	10/13/23
EDB Stock	PSS-21-04	–	–	–	10 mL	–	MeOH	4/13/23	P.B.	4/13/24
EDB/DBCP	〃	PN2-17-27	200 ppm	0.125 mL	〃	2.5 ppm	〃	〃	〃	〃
TCMX	〃	PN2-18-13	200 ppm	25 µL	〃	5.0 ppm	〃	〃	〃	〃
EDB Cal	PSS-021-05	PSS-021-04	–	0.25 mL	25 mL	–	MeOH	4/13/23	P.B.	10/13/23
EDB/DBCP	〃	〃	2.5 ppm	〃	〃	0.025 ppm	〃	〃	〃	〃
TCMX	〃	〃	5.0 ppm	〃	〃	0.05 ppm	〃	〃	〃	〃
Pest/PCB Soil surr.	PSS-021-06	PN2- –	–	–	25 mL	20 ppm	Acetone	4/26/23	P.B.	10/26/23
TCMX	〃	PN2-18-13	2000 ppm	250 µL	〃	〃	〃	〃	〃	〃
DCB	〃	PN2-17-01	1000 ppm	500 µL	〃	〃	〃	〃	〃	〃
~~PCB~~ PCB water surr										
Pest PCB water surr	PSS-021-07				25 mL		Acetone	5/11/23	LAB	11/11/23
TCMX	〃	PN2-18-13	2000 ppm	25 µL	〃	2 ppm	〃	〃	〃	〃
DCB	〃	PN2-19-01	1000 ppm	50 µL	〃	〃	〃	〃	〃	〃
Soil Pest ~~water~~ spike	PSS-021-08				25 mL	20 ppm	Acetone	5/11/23	LAB	9/30/23
20 pest	〃	PN2-17-08	1000 ppm	500 µL	〃	〃	〃	〃	〃	〃
Pest water spike	PSS-021-09				25 mL	1 ppm	Ace	5/11/23	LAB	9/30/23
		PSS-021-08	20 ppm	500 µL	〃	〃	〃	〃	〃	〃
PCB CCV	PSS-021-10	PSS-016-09		500 µL	Q 25 mL		HEX	5/11/23	LAB	11/8/23
AR 1016/1260		~~25~~ ppm	25 ppm		0.5 ppm → 0.5 ppm					
TCMX/DCB		5 ppm	5 ppm	1	0.1 ppm → 0.1 ppm		1	1	1	1
Pest Eval	PSS-021-11	PN2-19-10	–	–	25 mL	100 ppb	Hex	5/11/23	LAB	11/11/23
End Std DDS	–	–	100 ppm	25 µL	–	–	1	〃	〃	〃
							LAB			
~~Pest Prime~~	~~PSS-021-12~~	~~PSS-12-10~~	~~25 ppm~~	~~200 ppb~~	~~10 mL~~	~~2 ppm~~	~~Hex~~ 5/11/23	5/15/23	LAB	9/11/23
20 pest										

22 Name	Lab ID	Stock ID	Stock Conc	Stock Vol.	Final Vol.	Final Conc.	Solvent	Date made	Init.	Date Exp
Pest Primer	PSS-022-01	PN2-17-08	1000 ppm	20 µL	10 mL	2 ppm	Hex	5/15/23	LAS	11/15/23
20 peaks		↓	↓		↓	↓	↓			
Pest/PCB Soil Surr	PSS-022-02				25 mL	20 ppm	Ace	5/15/23	LAS	11/15/23
TCMX		PN2-18-13	2000 ppm	250 µL	↓	↓	↓	↓	↓	↓
DCB		PN2-19-01	1000 ppm	500 µL						
PCB Soil Spike	PSS-022-03	PN2-017-07	5000 ppm	500 µL	25 mL	100 ppm	Ace	5/30/23	LAS	11/30/23
Pest/PCB Soil Surr	PSS-022-04				25 mL		ACE	6/15/23	LAS	12/15/23
TCMX		PN2-18-13	2000 ppm	250 µL		20 ppm	↓	↓		
DCB		PN2-K101	1000 ppm	500 µL		↓				

Organochlorine Pesticides by EPA 8081B

- Sample Data
- QA/QC Data
- Initial Calibration Data
- Continuing Calibration Data
- Administrative Forms

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\F230509\
Data File : F0509017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 May 2023 15:10
Operator : LAD
Sample : 04-330-01 10X
Misc :
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 15:19:58 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_NEW.M
Quant Title : Pestcides
QLast Update : Tue May 09 12:07:09 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
2) S	Tetrachlo...	3.014	2.787	27525191	11265943	8.987	10.071	
Spiked Amount	100.000			Recovery	=	8.99%	10.07%	
24) S	Decachlor...	7.185	7.155	25411031	26033039	10.977	22.257	#
Spiked Amount	100.000			Recovery	=	10.98%	22.26%	
	Target Compounds							
1) A	HCBD	0.000	1.320f	0	6689280	N.D.	11.477	#
3) A	Hexachlor...	3.362	3.195	2142.7E6	521117	582.231	0.343	#
4) A	alpha-BHC	3.505	3.321	6506345	1043911	1.398	0.563	#
5) A	gamma-BHC	3.790	3.626f	1049577	2427404	0.243	1.430	#
6) A	beta-BHC	3.871f	3.684	3179478	8005064	1.712	10.458	#
7) A	delta-BHC	4.004	3.925f	2307224	2003689	0.533	1.204	#
8) A	Heptachlor	4.154f	3.977f	6207284	1730322	1.662	1.221	#
9) A	Aldrin	4.428f	4.224f	375478	946367	0.101	0.618	#
10) A	Heptachlo...	4.864f	0.000	1020156	0	0.340	N.D.	#
11) A	gamma-Chl...	4.963	0.000	1992912	0	0.641	N.D.	#
12) A	alpha-Chl...	5.089f	4.874f	332357	551295	0.114	0.427	#
13) A	4,4'-DDE	5.131	5.024	1556351	1938898	0.505	1.429	#
14) A	Endosulfan I	5.164	4.911f	4027261	514013	1.505	0.442	#
15) A	Dieldrin	5.349	5.112	826160	572438	0.269	0.423	#
16) A	Endrin	5.526f	5.327	1679024	1203909	0.577	1.035	#
17) A	4,4'-DDD	5.552	5.426	6489433	1286990	2.306	1.141	#
18) A	Endosulfa...	5.672	5.489f	1989357	987983	0.692	0.864	
19) A	4,4'-DDT	5.759	5.645	3166800	2827410	1.397	3.647	#
20) A	Endrin al...	5.962f	5.714	2620674	2193160	0.798	1.901	#
21) A	Methoxychlor	6.120f	6.129	2601172	4922871	2.104	12.984	#
22) A	Endosulfa...	6.290	5.910	3544423	6344322	1.431	5.894	#
23) A	Endrin ke...	6.477	6.286f	5355552	2283931	1.853	1.908	
27) L8	Toxaphene{3}	5.962f	5.752f	2620674	3295310	233.505	NoCal	#
28) L8	Toxaphene{4}	6.290	6.129	3544423	4922871	282.721	2752.249	#
Sum	Toxaphene			6165097	4922871	516.226	2752.249	
Average	Toxaphene					258.113	2752.249	
32) L9	Tech Chlo...	5.089f	4.836	332357	789956	12.332	NoCal	#
33) L9	Tech Chlo...	5.131	4.911	1556351	514013	52.974	43.136	
34) L9	Tech Chlo...	5.672	5.572	1989357	434237	69.562	NoCal	#
Sum	Tech Chlordane			3878064	514013	134.868	43.136	
Average	Tech Chlordane					44.956	43.136	

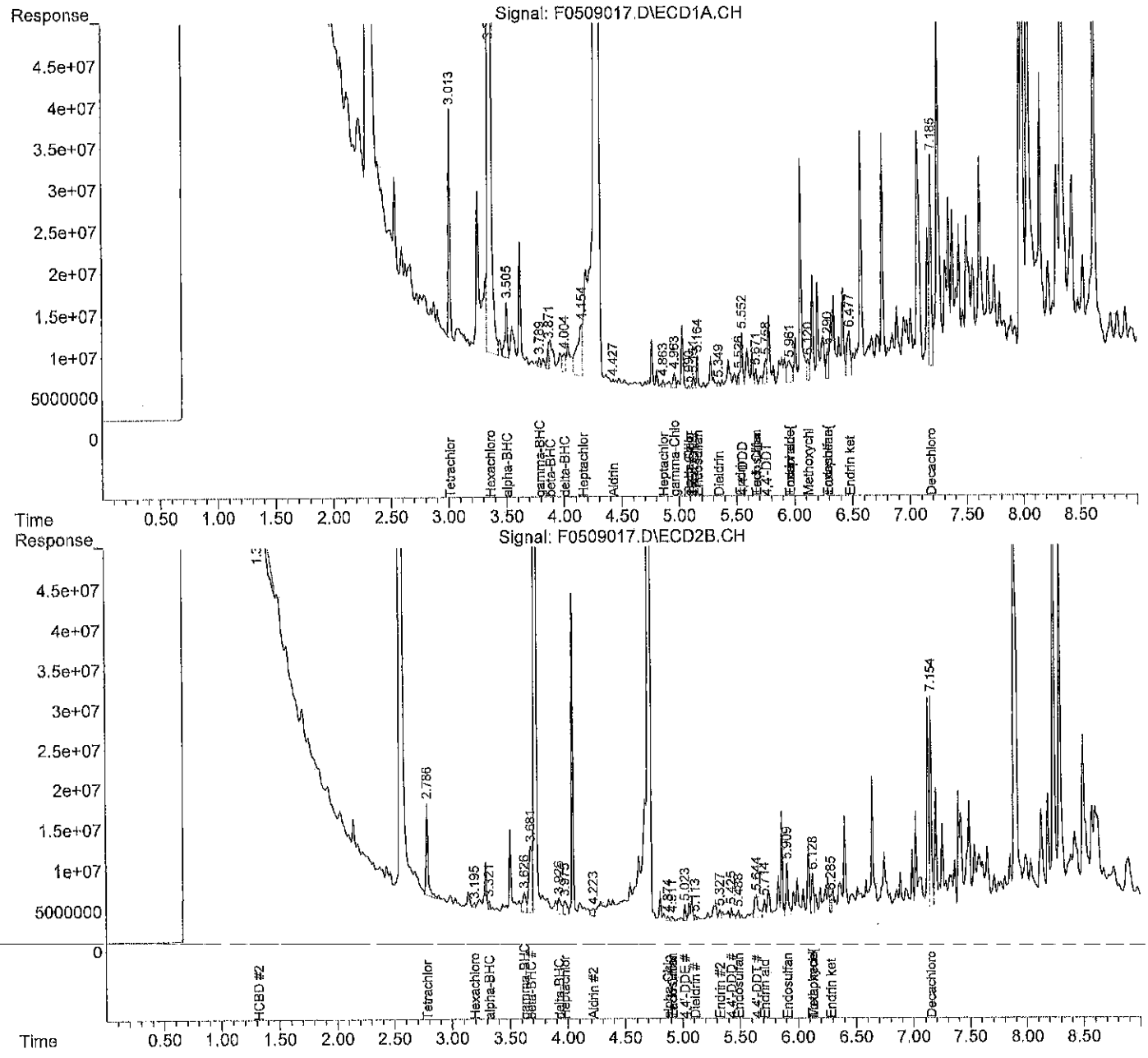
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\F230509\
Data File : F0509017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 May 2023 15:10
Operator : LAD
Sample : 04-330-01 10X
Misc :
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 15:19:58 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_NEW.M
Quant Title : Pestcides
QLast Update : Tue May 09 12:07:09 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\F230509\
Data File : F0509020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 May 2023 15:47
Operator : LAD
Sample : 04-330-02 20X
Misc :
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 15:56:24 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_NEW.M
Quant Title : Pestcides
QLast Update : Tue May 09 12:07:09 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

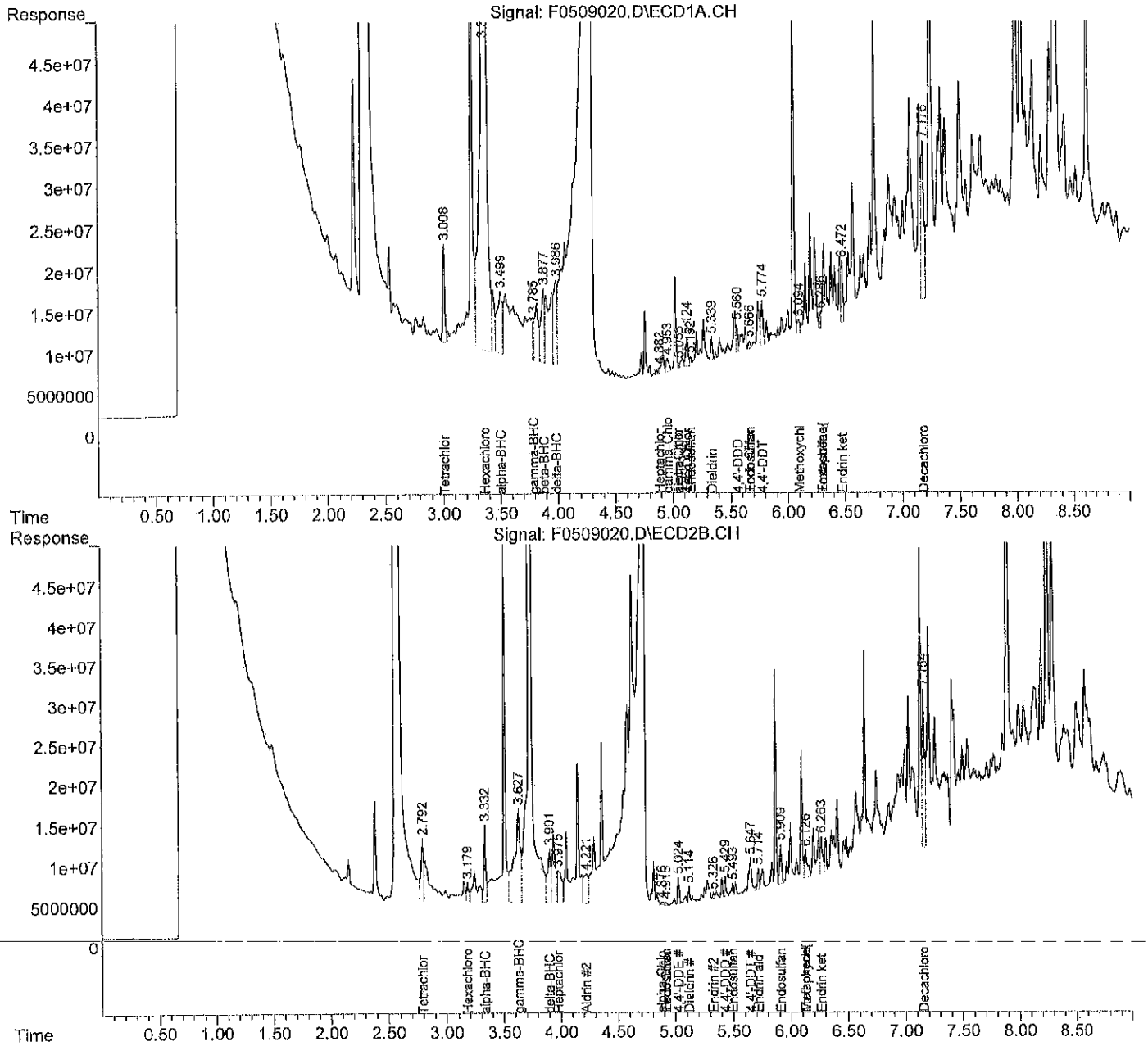
	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
2)	S Tetrachlo...	3.008	2.792	11803448	7651693	3.854	6.840	#
	Spiked Amount 100.000			Recovery =		3.85%	6.84%	
24)	S Decachlor...	7.177	7.155	18812192	19507110	8.127	16.678	#
	Spiked Amount 100.000			Recovery =		8.13%	16.68%	
	Target Compounds							
3)	A Hexachlor...	3.363	3.180f	2152.8E6	2296411	584.973	1.511	#
4)	A alpha-BHC	3.498f	3.333f	7504066	9460552	1.612	5.105	#
5)	A gamma-BHC	3.785	3.627f	5243649	11580108	1.215	~~6.820~~	#
6)	A beta-BHC	3.877f	0.000	8908550	0	4.795	N.D.	#
7)	A delta-BHC	3.986f	3.902f	10308449	6672257	2.382	4.010	#
8)	A Heptachlor	0.000	3.975f	0	3994063	N.D.	2.818	#
9)	A Aldrin	0.000	4.222f	0	3614578	N.D.	2.359	#
10)	A Heptachlo...	4.881	0.000	709273	0	0.236	N.D.	#
11)	A gamma-Chl...	4.954f	0.000	1549972	0	0.499	N.D.	#
12)	A alpha-Chl...	5.055f	4.877	719004	365014	0.247	0.283	
13)	A 4,4'-DDE	5.125	5.025	3389919	3217100	1.100	2.371	#
14)	A Endosulfan I	5.154f	4.915	1019520	336832	0.381	0.289	
15)	A Dieldrin	5.340	5.114	2716063	1892383	0.884	1.400	#
16)	A Endrin	0.000	5.327	0	632300	N.D.	0.543	#
17)	A 4,4'-DDD	5.560	5.429	3479784	2431917	1.236	2.157	#
18)	A Endosulfa...	5.666f	5.492f	928517	1417969	0.323	1.240	#
19)	A 4,4'-DDT	5.775f	5.648	5448060	4057218	2.404	5.233	#
20)	A Endrin al...	0.000	5.714	0	2564312	N.D.	2.358	#
21)	A Methoxychlor	6.094	6.128	1804920	3324434	1.342	8.763	#
22)	A Endosulfa...	6.286	5.910	1951615	4907142	0.788	4.559	#
23)	A Endrin ke...	6.473f	6.264f	7385074	4501305	2.555	3.761	#
28)	L8 Toxaphene{4}	6.286	6.128	1951615	3324434	155.671	1858.604	#
	Sum Toxaphene			1951615	3324434	155.671	1858.604	
	Average Toxaphene					155.671	1858.604	
32)	L9 Tech Chlo...	5.055	4.836	719004	1256532	26.679	NoCal	#
33)	L9 Tech Chlo...	5.125	4.915	3389919	336832	115.384	28.267	#
34)	L9 Tech Chlo...	5.666	0.000	928517	0	32.468	N.D.	#
	Sum Tech Chlordane			5037440	336832	174.530	28.267	
	Average Tech Chlordane					58.177	28.267	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\F230509\
Data File : F0509020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 May 2023 15:47
Operator : LAD
Sample : 04-330-02 20X
Misc :
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 15:56:24 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_NEW.M
Quant Title : Pestcides
QLast Update : Tue May 09 12:07:09 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\F230509\
Data File : F0509021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 May 2023 15:59
Operator : LAD
Sample : 04-330-03 10X
Misc :
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 16:08:35 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_NEW.M
Quant Title : Pestcides
QLast Update : Tue May 09 12:07:09 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
2)	S Tetrachlo...	3.010	2.793	18832489	13230589	6.149	11.827	#
	Spiked Amount 100.000			Recovery	=	6.15%	11.83%	
24)	S Decachlor...	7.178	7.155	20723716	26171413	8.952	22.375	#
	Spiked Amount 100.000			Recovery	=	8.95%	22.38%	
	Target Compounds							
3)	A Hexachlor...	3.366	3.182f	2130.5E6	2521293	578.897	1.659	#
4)	A alpha-BHC	3.516	3.334f	12003136	17262019	2.579	9.315	#
5)	A gamma-BHC	3.780	3.627f	13023379	23168150	3.018	13.645	#
6)	A beta-BHC	3.877f	0.000	21637860	0	11.648	N.D.	#
7)	A delta-BHC	4.011	3.904f	21598817	15100076	4.990	9.075	#
9)	A Aldrin	0.000	4.203	0	17135464	N.D.	11.182	#
10)	A Heptachlo...	4.883	4.654f	7177099	88662290	2.390	68.241	#
11)	A gamma-Chl...	0.000	4.791f	0	35774849	N.D.	26.192	#
12)	A alpha-Chl...	5.054f	4.885	2429658	2801859	0.835	2.170	#
13)	A 4,4'-DDE	5.122	5.030f	16236159	9500151	5.270	7.003	#
14)	A Endosulfan I	5.153f	4.916	7029985	385257	2.627	0.331	#
15)	A Dieldrin	5.340	5.115	30715818	51737303	9.997	38.266	#1
16)	A Endrin	5.497f	0.000	5914013	0	2.031	N.D.	#
17)	A 4,4'-DDD	5.540f	5.431	59264907	5091584	21.057	4.515	#
18)	A Endosulfa...	5.665f	0.000	5164202	0	1.796	N.D.	#
19)	A 4,4'-DDT	5.775f	5.651	7311217	35913285	3.226	46.320	#
20)	A Endrin al...	5.973	5.717	4347927	7209484	1.656	8.077	#
21)	A Methoxychlor	6.093	6.130	2808562	5225001	2.302	13.782	#
22)	A Endosulfa...	6.284	5.913	2609737	9320710	1.054	8.659	#
23)	A Endrin ke...	6.470f	6.263f	7592521	5098672	2.627	4.261	#
27)	L8 Toxaphene{3}	5.973	5.753f	4347927	6856695	387.405	NoCal	#
28)	L8 Toxaphene{4}	6.284	6.130	2609737	5225001	208.166	2921.161	#
	Sum Toxaphene			6957663	5225001	595.571	2921.161	
Average	Toxaphene					297.785	2921.161	
32)	L9 Tech Chlo...	5.054f	4.834	2429658	28737141	90.152	NoCal	#
33)	L9 Tech Chlo...	5.122	4.916	16236159	385257	552.636	32.331	#
34)	L9 Tech Chlo...	5.665	5.575	5164202	3426801	180.578	NoCal	#
	Sum Tech Chlordane			23830019	385257	823.366	32.331	
Average	Tech Chlordane					274.455	32.331	

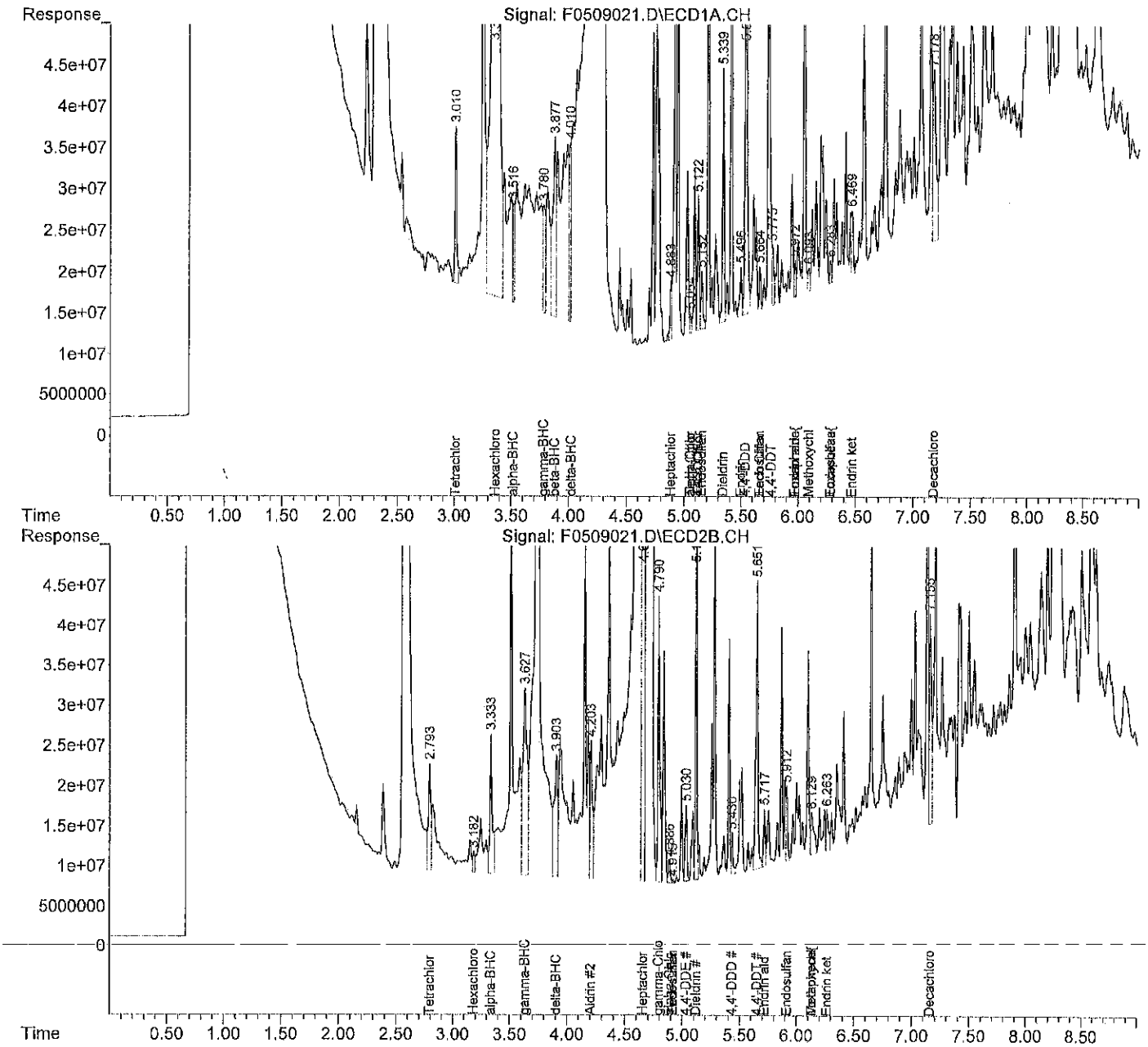
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\F230509\
Data File : F0509021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 May 2023 15:59
Operator : LAD
Sample : 04-330-03 10X
Misc :
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 16:08:35 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_NEW.M
Quant Title : Pestcides
QLast Update : Tue May 09 12:07:09 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\F230509\
Data File : F0509019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 May 2023 15:35
Operator : LAD
Sample : 04-330-04 10X
Misc :
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 15:44:14 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_NEW.M
Quant Title : Pestcides
QLast Update : Tue May 09 12:07:09 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
2) S	Tetrachlo...	3.009	2.793	22794312	10733716	7.442	9.595	#
Spiked Amount	100.000			Recovery	=	7.44%	9.60%	
24) S	Decachlor...	7.178	7.159	25837336	32628973	11.162	27.896	#
Spiked Amount	100.000			Recovery	=	11.16%	27.90%	
	Target Compounds							
1) A	HCBD	1.505f	0.000	1497860	0	0.881	N.D.	#
3) A	Hexachlor...	3.360	3.199	2145.1E6	1279139	582.867	0.842	#
4) A	alpha-BHC	3.500f	3.332	9199825	5011090	1.976	2.704	#
5) A	gamma-BHC	3.780	3.625	1144189	6000141	0.265	3.534	#
6) A	beta-BHC	3.878f	0.000	7235998	0	3.895	N.D.	#
7) A	delta-BHC	3.987f	3.901f	4814223	3326716	1.112	1.999	#
9) A	Aldrin	0.000	4.225f	0	1820730	N.D.	1.188	#
10) A	Heptachlo...	4.860f	0.000	1260400	0	0.420	N.D.	#
11) A	gamma-Chl...	4.960f	0.000	4886074	0	1.572	N.D.	#
12) A	alpha-Chl...	0.000	4.876	0	1019130	N.D.	0.789	#
13) A	4,4'-DDE	5.125	5.025	4367382	5602418	1.418	4.130	#
14) A	Endosulfan I	5.155f	4.918	1076237	516328	0.402	0.444	
15) A	Dieldrin	5.341	5.113	2542116	1740700	0.827	1.287	#
16) A	Endrin	0.000	5.328	0	2161830	N.D.	1.858	#
17) A	4,4'-DDD	5.545f	5.429	14919633	2968956	5.301	2.633	#
18) A	Endosulfa...	5.667	5.491f	2825904	2600403	0.983	2.274	#
19) A	4,4'-DDT	5.755	5.645	6742509	5506721	2.975	7.102	#
20) A	Endrin al...	5.972	5.714	4109925	4435094	1.538	4.661	#
21) A	Methoxychlor	6.091	6.095f	6007683	20196905	5.364	53.320	#
22) A	Endosulfa...	6.284	5.910	9104031	9444217	3.676	8.774	#
23) A	Endrin ke...	6.472f	6.263f	10719317	6379028	3.708	5.330	#
27) L8	Toxaphene{3}	5.972	5.754f	4109925	5142545	366.199	NoCal	#
28) L8	Toxaphene{4}	6.284	0.000	9104031	0	726.183	N.D.	#
Sum	Toxaphene			13213956	0	1092.382	N.D.	
Average	Toxaphene					546.191	0.000	
32) L9	Tech Chlo...	5.093f	4.838	978801	1560995	36.318	NoCal	#
33) L9	Tech Chlo...	5.125	4.918	4367382	516328	148.654	43.330	#
34) L9	Tech Chlo...	5.667	5.572	2825904	906787	98.814	NoCal	#
Sum	Tech Chlordane			8172088	516328	283.786	43.330	
Average	Tech Chlordane					94.595	43.330	

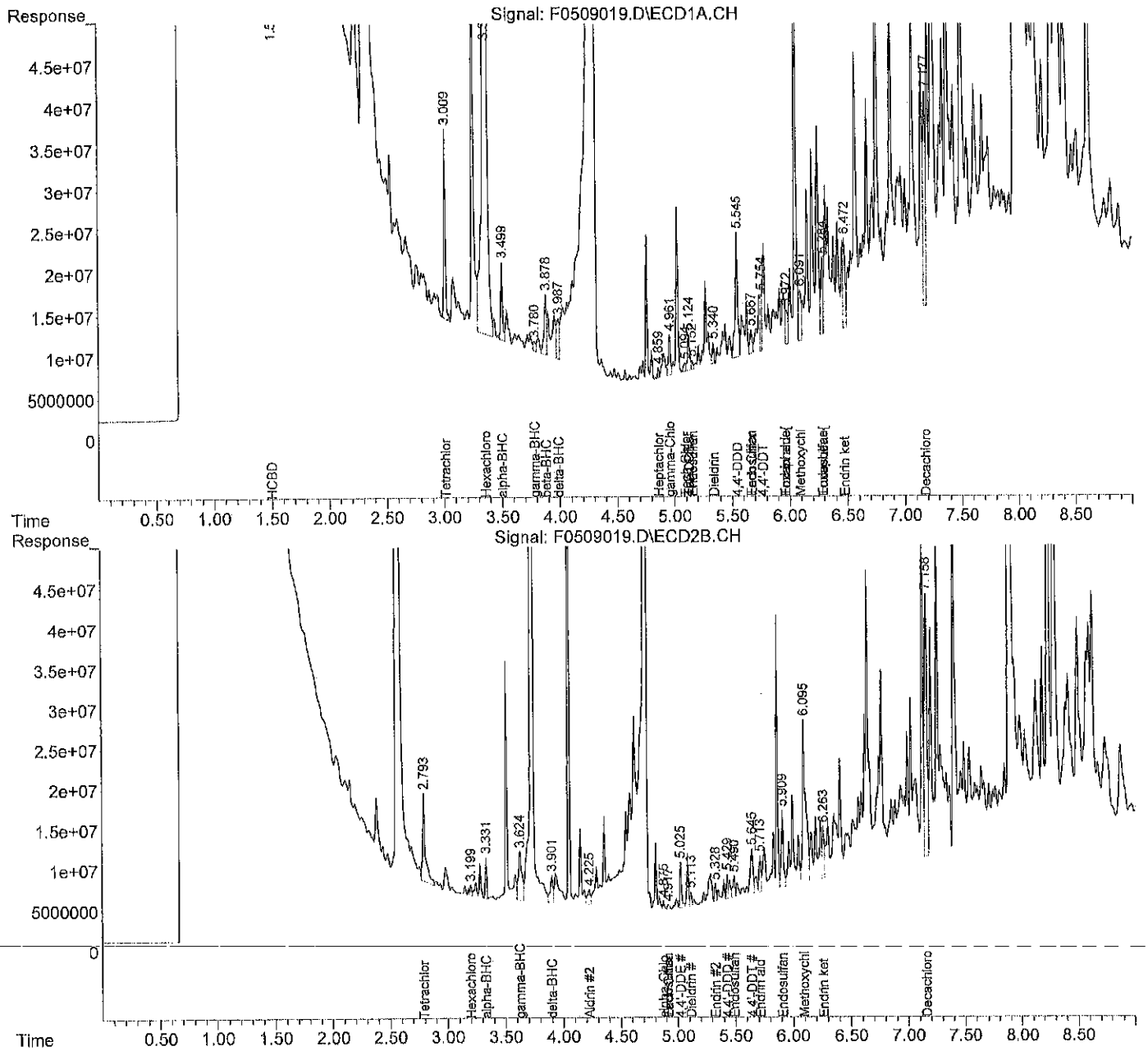
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\F230509\
Data File : F0509019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 May 2023 15:35
Operator : LAD
Sample : 04-330-04 10X
Misc :
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 15:44:14 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_NEW.M
Quant Title : Pestcides
QLast Update : Tue May 09 12:07:09 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\F230509\
Data File : F0509018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 May 2023 15:22
Operator : LAD
Sample : 04-330-05 10X
Misc :
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 15:32:04 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_NEW.M
Quant Title : Pestcides
QLast Update : Tue May 09 12:07:09 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

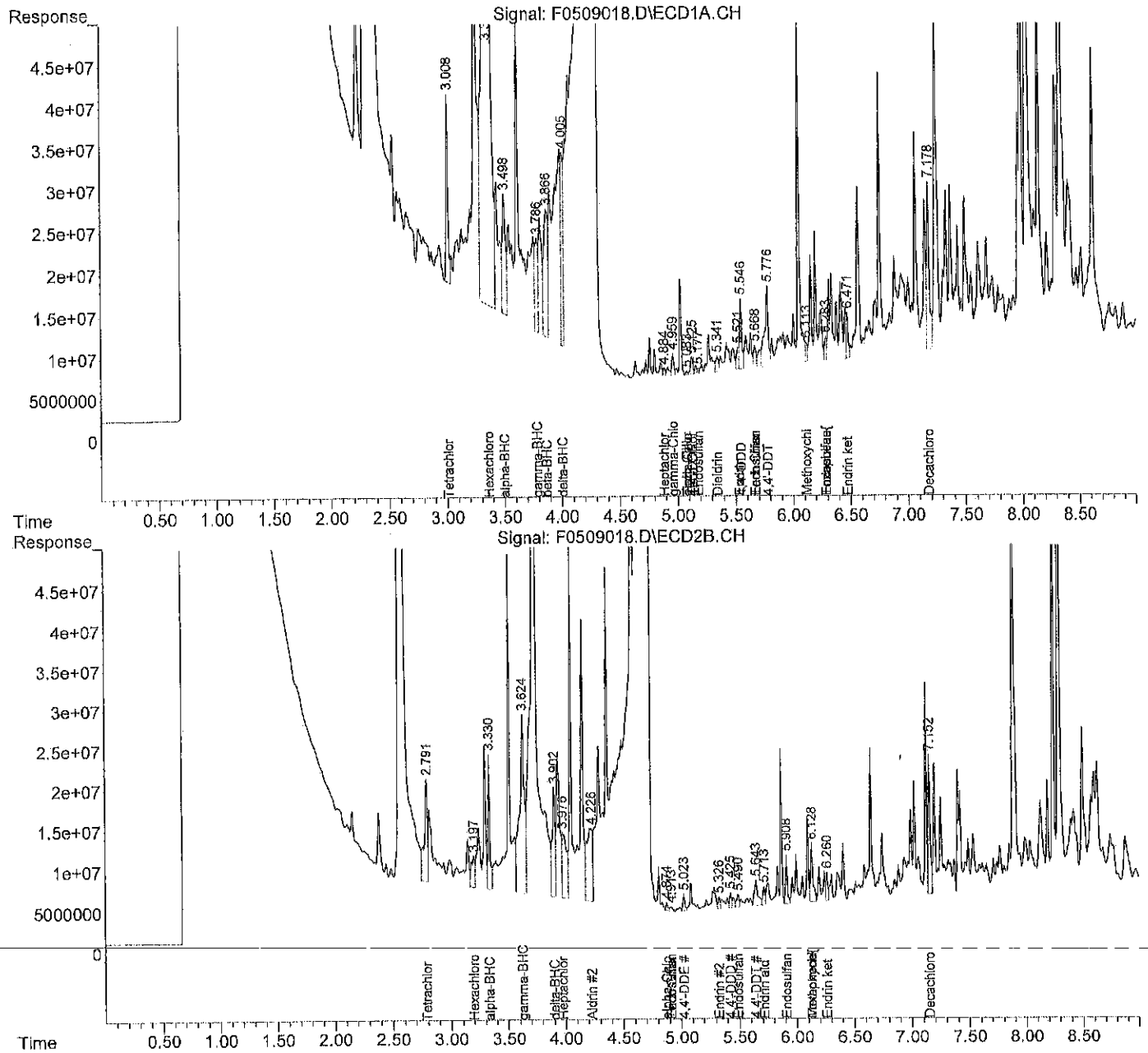
	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
2) S	Tetrachlo...	3.009	2.791	22635418	12597668	7.390	11.261	#
Spiked Amount	100.000			Recovery	=	7.39%	11.26%	
24) S	Decachlor...	7.178	7.152	20067316	17148570	8.669	14.661	#
Spiked Amount	100.000			Recovery	=	8.67%	14.66%	
	Target Compounds							
3) A	Hexachlor...	3.365	3.198	2144.0E6	3758354	582.573	2.474	#
4) A	alpha-BHC	3.499f	3.331	14244089	16713367	3.060	9.019	#
5) A	gamma-BHC	3.785	3.625	11111035	22117085	2.575	13.026	#
6) A	beta-BHC	3.866	0.000	15164410	0	8.163	N.D.	#
7) A	delta-BHC	4.005	3.902f	23134742	13484864	5.345	8.104	#
8) A	Heptachlor	0.000	3.977f	0	7978446	N.D.	5.629	#
9) A	Aldrin	0.000	4.224f	0	8949275	N.D.	5.840	#
10) A	Heptachlo...	4.885	0.000	908228	0	0.302	N.D.	#
11) A	gamma-Chl...	4.959f	0.000	2615837	0	0.842	N.D.	#
12) A	alpha-Chl...	5.082f	4.875f	428598	946227	0.147	0.733	#
13) A	4,4'-DDE	5.125	5.024	2055911	2046198	0.667	1.508	#
14) A	Endosulfan I	5.176	4.911f	627464	510301	0.235	0.439	#
15) A	Dieldrin	5.342	0.000	1803524	0	0.587	N.D.	#
16) A	Endrin	5.521	5.327	2606249	1332978	0.895	1.146	#
17) A	4,4'-DDD	5.546f	5.426	8398583	1770320	2.984	1.570	#
18) A	Endosulfa...	5.668	5.489f	2630097	1518118	0.915	1.327	#
19) A	4,4'-DDT	5.777f	5.644	9578155	3112900	4.226	4.015	
20) A	Endrin al...	0.000	5.713	0	2273276	N.D.	2.000	#
21) A	Methoxychlor	6.113f	6.128	2398072	7183574	1.909	18.954	#
22) A	Endosulfa...	6.284	5.909	2776095	5917405	1.121	5.498	#
23) A	Endrin ke...	6.471f	6.261f	5496408	3458146	1.902	2.890	#
28) L8	Toxaphene{4}	6.284	6.128	2776095	7183574	221.435	4016.149	#
Sum	Toxaphene			2776095	7183574	221.435	4016.149	
Average	Toxaphene					221.435	4016.149	
32) L9	Tech Chlo...	5.082	4.835	428598	877285	15.903	NoCal	#
33) L9	Tech Chlo...	5.125	4.911	2055911	510301	69.978	42.824	#
34) L9	Tech Chlo...	5.668	5.567	2630097	971581	91.967	NoCal	#
Sum	Tech Chlordane			5114606	510301	177.848	42.824	
Average	Tech Chlordane					59.283	42.824	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\F230509\
Data File : F0509018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 May 2023 15:22
Operator : LAD
Sample : 04-330-05 10X
Misc :
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 15:32:04 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_NEW.M
Quant Title : Pestcides
QLast Update : Tue May 09 12:07:09 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Frank\DATA\F230508\
Data File : F0508007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2023 10:13
Operator : LAD
Sample : MB0505S2
Misc :
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 13:33:57 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
2) S	Tetrachlo...	3.076	2.856	408.6E6	141.7E6	133.421	126.707	
Spiked Amount	100.000			Recovery	=	133.42%	126.71%	
24) S	Decachlor...	7.239	7.211	310.3E6	160.6E6	134.035	137.324	
Spiked Amount	100.000			Recovery	=	134.04%	137.32%	
	Target Compounds							
1) A	HCBD	1.534	0.000	29169899	0	17.157	N.D.	#
3) A	Hexachlor...	3.429	3.266	21780489	7094791	5.918	4.670	
4) A	alpha-BHC	3.579	3.384	11292033	6029826	2.426	3.254	#
5) A	gamma-BHC	3.825f	3.693f	11349569	4390882	2.630	2.586	
6) A	beta-BHC	3.911f	0.000	7154858	0	3.851	N.D.	#
7) A	delta-BHC	0.000	3.985	0	473060	N.D.	0.284	#
8) A	Heptachlor	4.223f	4.015f	9933172	2709348	2.660	1.912	#
9) A	Aldrin	4.468	4.291f	6547095	1789797	1.756	1.168	#
10) A	Heptachlo...	4.931f	4.693f	2581080	1795349	0.860	1.382	#
11) A	gamma-Chl...	5.022f	4.849	20628165	1659254	6.639	1.215	#
12) A	alpha-Chl...	5.126	0.000	2027458	0	0.697	N.D.	#
13) A	4,4'-DDE	5.203f	5.085	4588744	3511609	1.489	2.589	#
14) A	Endosulfan I	5.224f	4.983	5469545	2272296	2.044	1.953	
15) A	Dieldrin	5.411	5.186	6973587	2142533	2.270	1.585	#
16) A	Endrin	5.582	5.398	6885172	2904635	2.365	2.496	
17) A	4,4'-DDD	5.641f	5.498	9708567	1815292	3.450	1.610	#
18) A	Endosulfa...	5.723f	5.546	7230815	2838710	2.515	2.482	
19) A	4,4'-DDT	5.814	0.000	7084102	0	3.126	N.D.	#
20) A	Endrin al...	6.059f	5.788	1763511	1717186	0.372	1.315	#
21) A	Methoxychlor	6.134f	6.187	3986325	7299072	3.429	19.259	# 16.005
22) A	Endosulfa...	0.000	5.973	0	1377190	N.D.	1.279	#
23) A	Endrin ke...	6.556	0.000	22484120	0	7.779	N.D.	#
27) L8	Toxaphene{3}	6.059f	0.000	1763511	0	157.131	N.D.	#
28) L8	Toxaphene{4}	0.000	6.187	0	7299072	N.D.	4080.720	#
Sum	Toxaphene			1763511	7299072	157.131	4080.720	
Average	Toxaphene					157.131	4080.720	
32) L9	Tech Chlo...	5.126	4.902	2027458	2208656	75.229	NoCal	#
33) L9	Tech Chlo...	5.203	4.983	4588744	2272296	156.189	190.690	
34) L9	Tech Chlo...	5.723f	5.618f	7230815	2122485	252.841	NoCal	#
Sum	Tech Chlordane			13847017	2272296	484.259	190.690	
Average	Tech Chlordane					161.420	190.690	

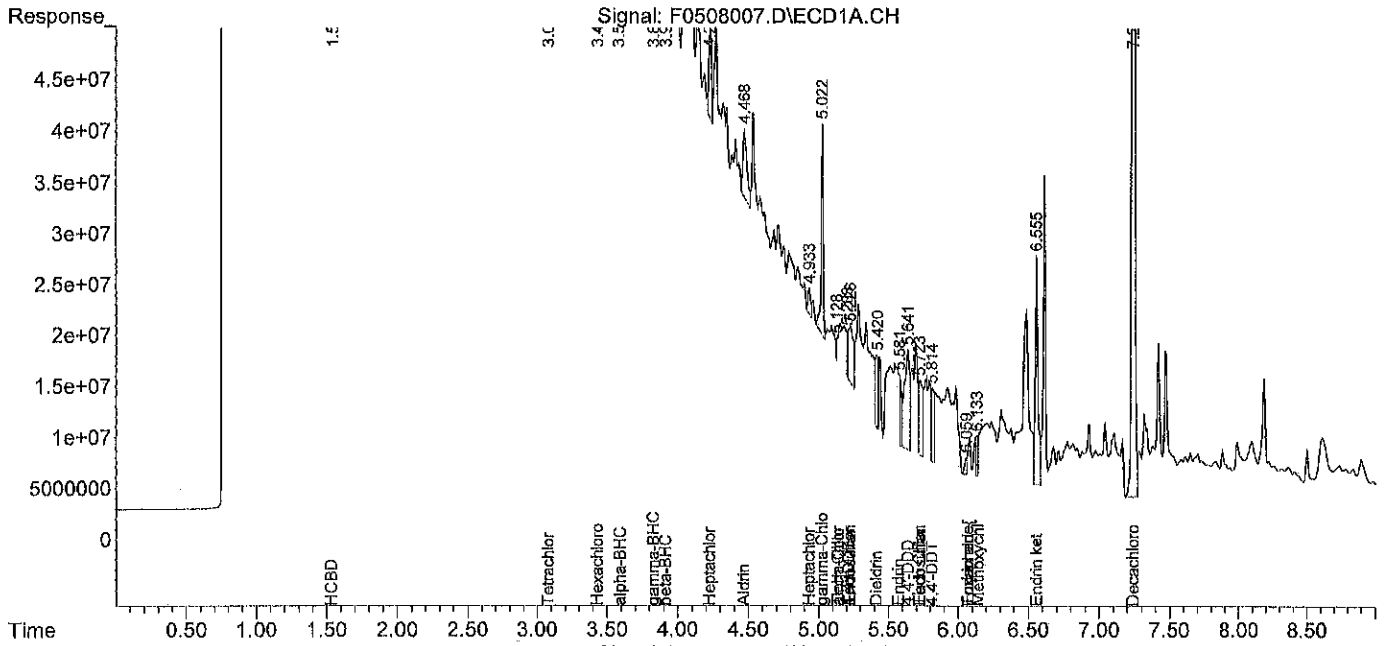
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

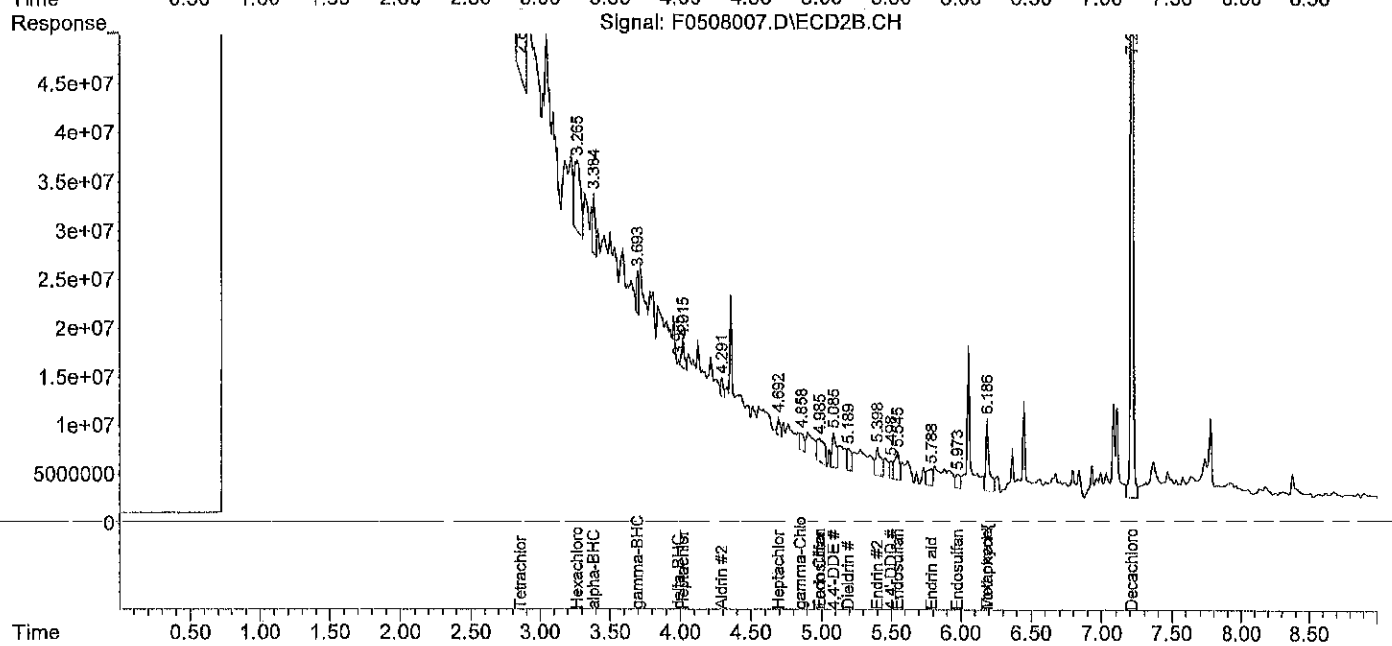
Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Frank\DATA\F230508\
Data File : F0508007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2023 10:13
Operator : LAD
Sample : MB0505S2
Misc :
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 13:33:57 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\F230509\
Data File : F0509014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 May 2023 12:44
Operator : LAD
Sample : SB0505S2
Misc :
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 12:53:38 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_NEW.M
Quant Title : Pestcides
QLast Update : Tue May 09 12:07:09 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

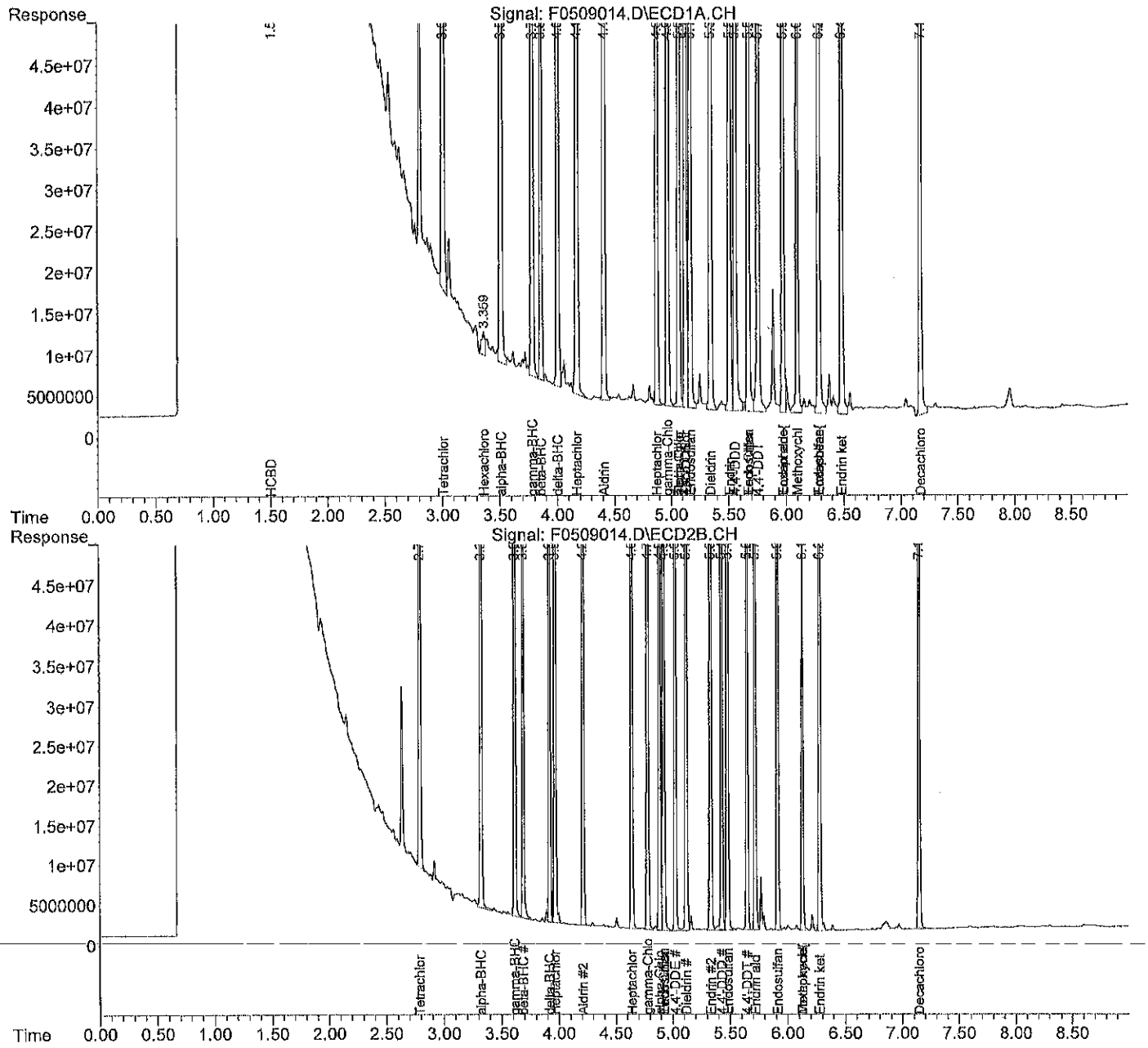
	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
2)	S Tetrachlo...	3.007	2.791	284.0E6	111.5E6	92.722	99.660	
	Spiked Amount 100.000			Recovery	=	92.72%	99.66%	
24)	S Decachlor...	7.175	7.150	214.3E6	102.1E6	92.571	87.317	
	Spiked Amount 100.000			Recovery	=	92.57%	87.32%	
	Target Compounds							
1)	A HCBD	1.506f	0.000	3727621	0	2.192	N.D.	#
3)	A Hexachlor...	3.360	0.000	2762886	0	0.751	N.D.	#
4)	A alpha-BHC	3.511	3.322	478.3E6	197.6E6	102.756	106.630	
5)	A gamma-BHC	3.782	3.616	449.2E6	184.4E6	104.096	108.595	
6)	A beta-BHC	3.858	3.690	185.0E6	80376526	99.575	105.009	
7)	A delta-BHC	4.003	3.919	400.3E6	149.2E6	92.486	89.686	
8)	A Heptachlor	4.171	3.967	380.3E6	157.2E6	101.848	110.881	
9)	A Aldrin	4.408	4.212	369.3E6	160.6E6	99.029	104.791	
10)	A Heptachlo...	4.876	4.642	339.8E6	141.1E6	113.168	108.566	
11)	A gamma-Chl...	4.968	4.782	327.0E6	156.2E6	105.235	114.359	
12)	A alpha-Chl...	5.068	4.888	311.0E6	150.8E6	106.881	116.788	
13)	A 4,4'-DDE	5.126	5.022	356.6E6	155.1E6	115.754	114.367	
14)	A Endosulfan I	5.168	4.923	297.3E6	130.4E6	111.124	112.021	
15)	A Dieldrin	5.344	5.119	352.6E6	154.4E6	114.769	114.227	
16)	A Endrin	5.512	5.331	312.4E6	139.4E6	107.292	119.824	
17)	A 4,4'-DDD	5.558	5.429	288.5E6	135.3E6	102.496	119.971	
18)	A Endosulfa...	5.673	5.481	289.8E6	130.8E6	100.801	114.315	
19)	A 4,4'-DDT	5.757	5.648	261.8E6	97651724	115.535	125.948	
20)	A Endrin al...	5.974	5.718	183.6E6	99093440	90.684	121.195	#
21)	A Methoxychlor	6.098	6.130	113.0E6	51460705	107.766	135.882	#
22)	A Endosulfa...	6.283	5.914	241.8E6	109.4E6	97.649	101.625	
23)	A Endrin ke...	6.481	6.277	281.4E6	127.5E6	97.364	106.532	
27)	L8 Toxaphene{3}	5.974	5.770	183.6E6	6556018	16360.306	NoCal	#
28)	L8 Toxaphene{4}	6.283	6.130	241.8E6	51460705	19289.564	28770.335	#
	Sum Toxaphene			425.4E6	51460705	35649.870	28770.335	
	Average Toxaphene					17824.935	28770.335	
32)	L9 Tech Chlo...	5.068	4.853f	311.0E6	441058	11537.862	NoCal	#
33)	L9 Tech Chlo...	5.126	4.923	356.6E6	130.4E6	12137.959	10939.923	
34)	L9 Tech Chlo...	5.673	5.567	289.8E6	265556	10134.637	NoCal	#
	Sum Tech Chlordane			957.4E6	130.4E6	33810.458	10939.923	
	Average Tech Chlordane					11270.153	10939.923	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\F230509\
Data File : F0509014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 May 2023 12:44
Operator : LAD
Sample : SB0505S2
Misc :
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 12:53:38 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_NEW.M
Quant Title : Pestcides
QLast Update : Tue May 09 12:07:09 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\F230509\
Data File : F0509013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 May 2023 12:32
Operator : LAD
Sample : SD0505S2
Misc : SSD
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 12:41:36 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_NEW.M
Quant Title : Pestcides
QLast Update : Tue May 09 12:07:09 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

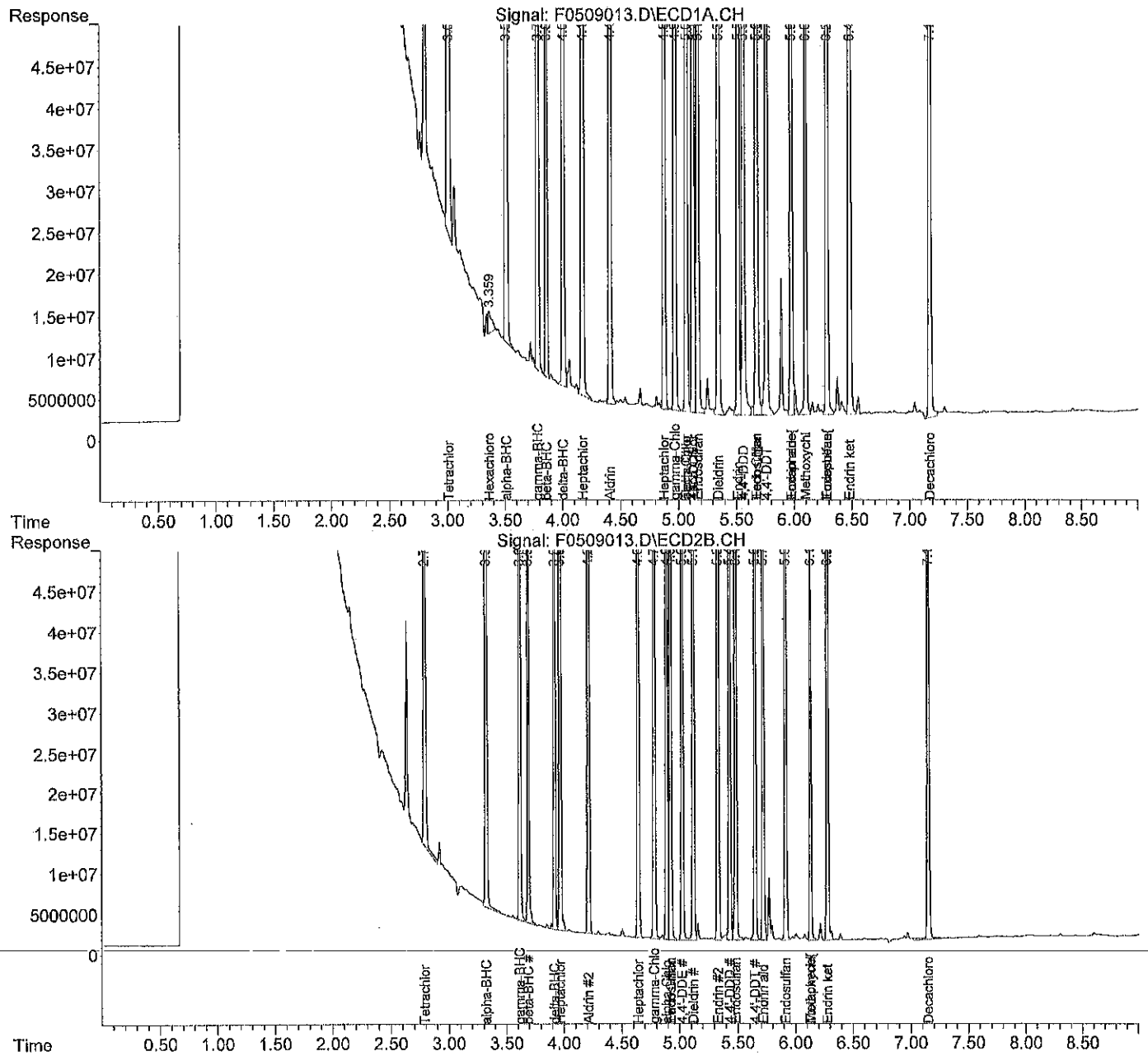
	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
2) S	Tetrachlo...	3.009	2.791	324.8E6	124.9E6	106.037	111.691	
Spiked Amount	100.000			Recovery	=	106.04%	111.69%	
24) S	Decachlor...	7.175	7.151	230.2E6	110.3E6	99.437	94.280	
Spiked Amount	100.000			Recovery	=	99.44%	94.28%	
	Target Compounds							
3) A	Hexachlor...	3.359	0.000	2636017	0	0.716	N.D.	#
4) A	alpha-BHC	3.511	3.322	532.7E6	215.4E6	114.439	116.232	
5) A	gamma-BHC	3.783	3.615	489.8E6	197.6E6	113.510	116.391	
6) A	beta-BHC	3.860	3.689	209.2E6	87199449	112.621	113.923	
7) A	delta-BHC	4.004	3.919	436.7E6	162.1E6	100.906	97.442	
8) A	Heptachlor	4.172	3.967	409.9E6	169.0E6	109.771	119.217	
9) A	Aldrin	4.409	4.212	402.7E6	177.5E6	107.977	115.814	
10) A	Heptachlo...	4.877	4.642	374.6E6	154.3E6	124.747	118.762	
11) A	gamma-Chl...	4.969	4.782	351.3E6	168.8E6	113.041	123.565	
12) A	alpha-Chl...	5.068	4.888	346.6E6	163.2E6	119.128	126.439	
13) A	4,4'-DDE	5.127	5.022	386.7E6	170.1E6	125.538	125.406	
14) A	Endosulfan I	5.169	4.923	324.2E6	142.2E6	121.161	122.163	
15) A	Dieldrin	5.344	5.119	388.7E6	168.8E6	126.507	124.825	
16) A	Endrin	5.512	5.331	340.1E6	151.1E6	116.806	129.897	
17) A	4,4'-DDD	5.559	5.429	317.8E6	144.5E6	112.900	128.112	
18) A	Endosulfa...	5.673	5.481	305.2E6	144.2E6	106.139	126.105	
19) A	4,4'-DDT	5.758	5.649	279.3E6	103.1E6	123.222	132.960	
20) A	Endrin al...	5.975	5.718	200.4E6	107.4E6	99.024	131.450	#
21) A	Methoxychlor	6.098	6.129	122.3E6	55770854	116.683	147.264	#
22) A	Endosulfa...	6.284	5.914	259.3E6	121.9E6	104.717	113.214	
23) A	Endrin ke...	6.482	6.277	306.2E6	138.2E6	105.922	115.492	
27) L8	Toxaphene{3}	5.975	5.770	200.4E6	7611866	17856.582	NoCal	#
28) L8	Toxaphene{4}	6.284	6.129	259.3E6	55770854	20685.763	31180.026	#
Sum	Toxaphene			459.7E6	55770854	38542.346	31180.026	
Average	Toxaphene					19271.173	31180.026	
32) L9	Tech Chlo...	5.068	4.852f	346.6E6	467384	12859.976	NoCal	#
33) L9	Tech Chlo...	5.127	4.923	386.7E6	142.2E6	13163.902	11930.362	
34) L9	Tech Chlo...	5.673	5.569	305.2E6	299337	10671.272	NoCal	#
Sum	Tech Chlordane			1038.5E6	142.2E6	36695.149	11930.362	
Average	Tech Chlordane					12231.716	11930.362	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\F230509\
Data File : F0509013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 May 2023 12:32
Operator : LAD
Sample : SD0505S2
Misc :
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 12:41:36 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_NEW.M
Quant Title : Pestcides
QLast Update : Tue May 09 12:07:09 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



ipounds -- Compound #41 -- beta-BHC #2

Search by: Ret Time | Name | Index | Find Compound

- HCBD #2
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide :
- gamma-Chlordane #:
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- Dieldrin #2
- Endrin #2
- 4,4'-DDD #2
- Endosulfan II #2
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) #
- Tech Chlordane(2) #
- Tech Chlordane(3) #
- Tech Chlordane(4) #
- Tech Chlordane(5) #

Identification | Calibration | User-Defined | Advanced | Reporting

Name: beta-BHC #2 | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 4.025 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 (Min / %)

This is 4.005 to 4.045 minutes

Quant signal: TIC | % Uncertainty

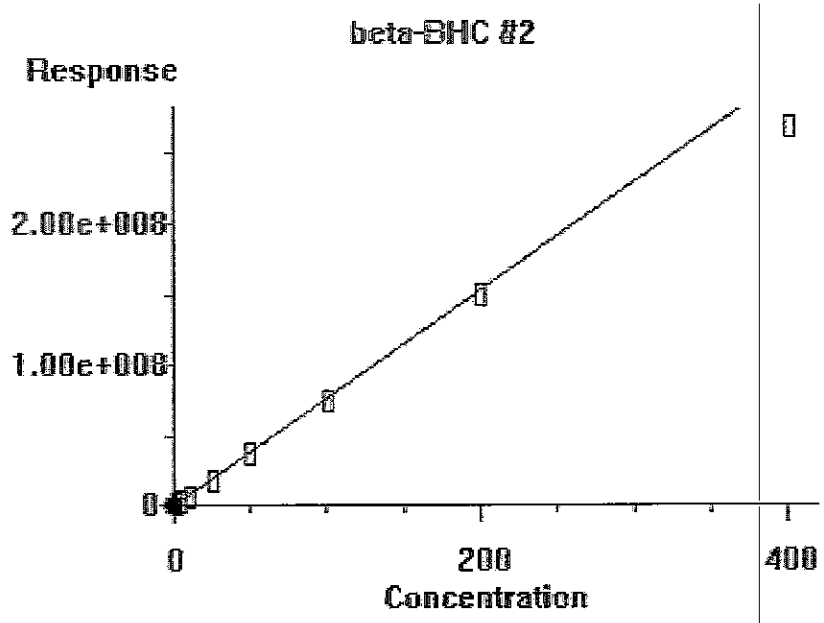
m/z | Relative Response: Rel

Target			
TIC	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse square of conc

Level	Concentration	Response
1	1.000000	953305.817430
2	2.000000	1585264.705597
3	5.000000	3718539.355268
4	10.000000	7208191.233244
5	25.000000	18681748.116665
6	50.000000	37919112.339203
7	100.000000	74734420.440366
8	200.000000	150670588.50533
9	400.000000	268739699.30372



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Search by: Ret Time | Name | Index | Find Compound

- HCBD #2
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide :
- gamma-Chlordane #
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- Dieldrin #2
- Endrin #2
- 4,4'-DDD #2
- Endosulfan II #2
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) #
- Tech Chlordane(2) #
- Tech Chlordane(3) #
- Tech Chlordane(4) #
- Tech Chlordane(5) #

Identification | Calibration | User-Defined | Advanced | Reporting

Name: delta-BHC #2 | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 4.256 | RRT: 0.000

Extract signals from: - 0.020 + 0.020 (Min / %)

This is 4.236 to 4.276 minutes

Quant signal: TIC | % Uncertainty

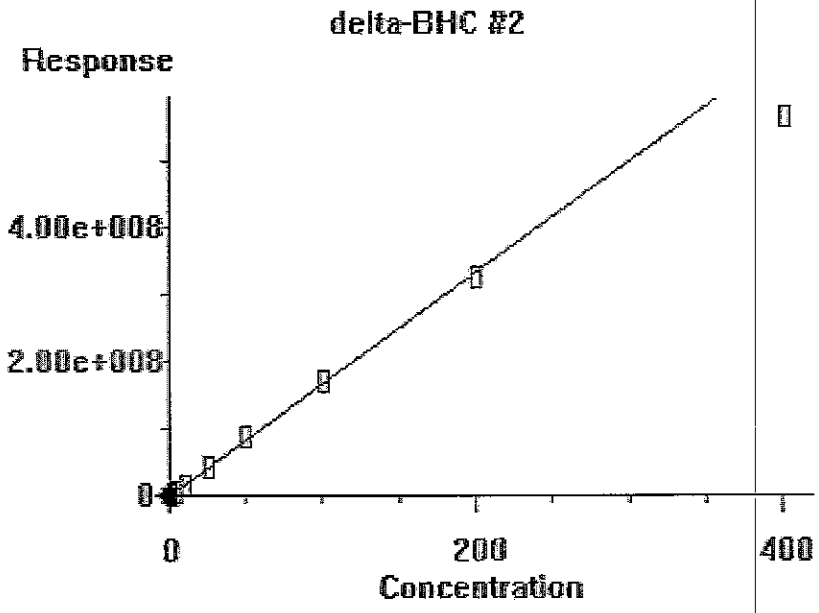
m/z | Relative Response: Rel

Target			
TIC	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc

Level	Concentration	Response
1	1.000000	1834429.983418
2	2.000000	3146238.640838
3	5.000000	8050675.814046
4	10.000000	16349716.18835
5	25.000000	43678251.07477
6	50.000000	90293577.43420
7	100.000000	172409088.1500
8	200.000000	326160476.02518
9	400.000000	566100651.9725



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

750

ipounds -- Compound #43 -- Heptachlor #2

Search by: Ret Time | Name | Index | Find Compound

- HCBD #2
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide :
- gamma-Chlordane #:
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- Dieldrin #2
- Endrin #2
- 4,4'-DDD #2
- Endosulfan II #2
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) #
- Tech Chlordane(2) #
- Tech Chlordane(3) #
- Tech Chlordane(4) #
- Tech Chlordane(5) #

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Heptachlor #2 | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 4.311 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 (Min / %)

This is 4.291 to 4.331 minutes

Quant signal: TIC | % Uncertainty

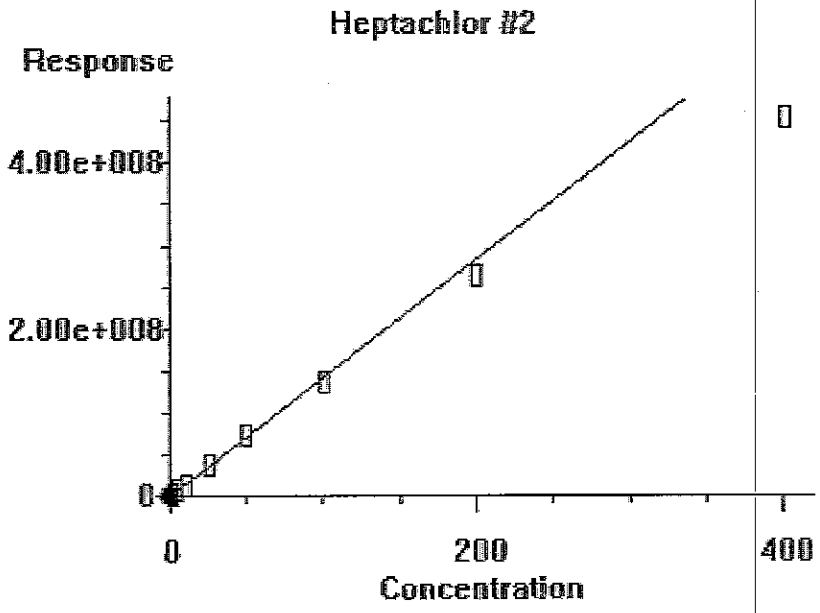
m/z | Relative Response: Rel

Target			
TIC	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	1681452.330517
2	2.000000	2853883.585138
3	5.000000	7075876.055766
4	10.000000	14286997.082052
5	25.000000	37277451.683237
6	50.000000	73401153.952227
7	100.000000	138833552.87135
8	200.000000	264584651.78534
9	400.000000	453556139.96165

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse square of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #44 -- Aldrin #2

Search by: Ret Time | Name | Index | Find Compound

- HCBD #2
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide :
- gamma-Chlordane #
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- Dieldrin #2
- Endrin #2
- 4,4'-DDD #2
- Endosulfan II #2
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) #
- Tech Chlordane(2) #
- Tech Chlordane(3) #
- Tech Chlordane(4) #
- Tech Chlordane(5) #

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aldrin #2 | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 4.559 | RRT: 0.000

Extract signals from: - 0.020 + 0.020 (Min / %)

This is 4.539 to 4.579 minutes

Quant signal: TIC | % Uncertainty

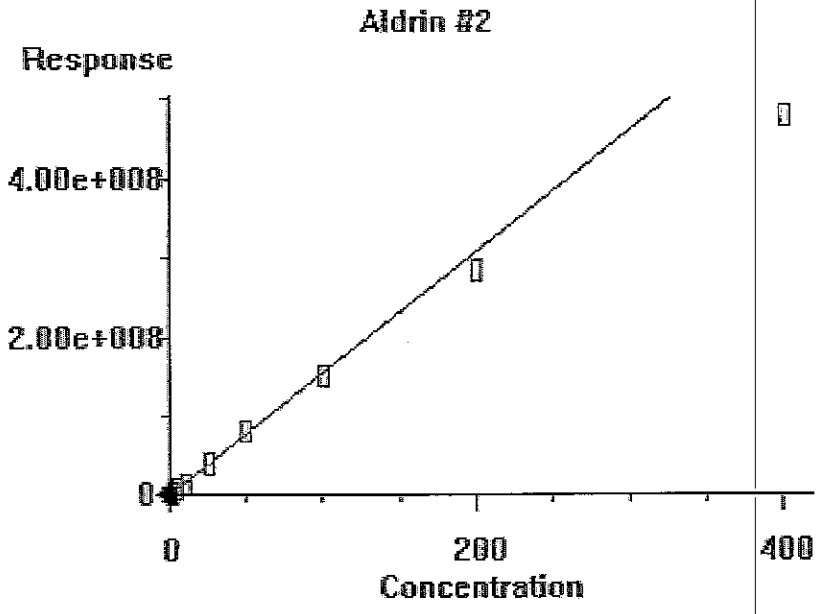
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc

Level	Concentration	Response
1	1.000000	1827962.403265
2	2.000000	3023194.257125
3	5.000000	7708740.171625
4	10.000000	15553414.95755
5	25.000000	40662613.88715
6	50.000000	80490803.54068
7	100.000000	151081526.6322
8	200.000000	282775468.8771
9	400.000000	477734774.9799



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound #45 -- Heptachlor epoxide #2

Search by: Ret Time | Name | Index | Find Compound

- HCBD #2
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide
- gamma-Chlordane #
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- Dieldrin #2
- Endrin #2
- 4,4'-DDD #2
- Endosulfan II #2
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) #
- Tech Chlordane(2) #
- Tech Chlordane(3) #
- Tech Chlordane(4) #
- Tech Chlordane(5) #

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Heptachlor epoxide #2 | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 4.986 | RRT: 0.000

Extract signals from: - 0.020 + 0.020 | Min | %

This is 4.966 to 5.006 minutes

Quant signal: TIC | % Uncertainty

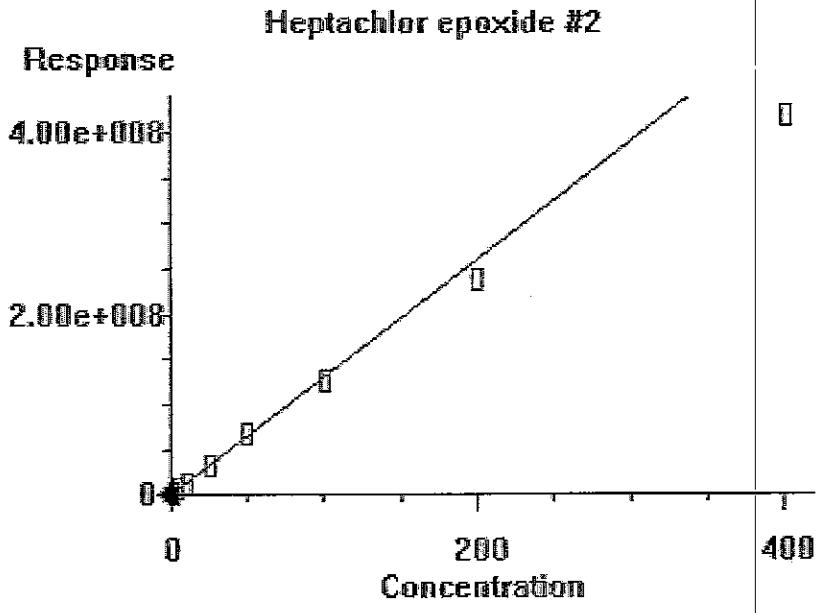
m/z | Relative Response: Rel

Target		TIC	100.00	
Q1		0.00	0.00	20.00
Q2		0.00	0.00	20.00
Q3		0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	1576296.940774
2	2.000000	2644428.336042
3	5.000000	6453832.628993
4	10.000000	13083662.254825
5	25.000000	33555966.870245
6	50.000000	67495316.202816
7	100.000000	126430136.57485
8	200.000000	238813785.40935
9	400.000000	418079279.96896

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound #46 -- gamma-Chlordane #2

Search by: Ret Time | Name | Index | Find Compound

- HCBD #2
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide :
- gamma-Chlordane #
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- Dieldrin #2
- Endrin #2
- 4,4'-DDD #2
- Endosulfan II #2
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) #
- Tech Chlordane(2) #
- Tech Chlordane(3) #
- Tech Chlordane(4) #
- Tech Chlordane(5) #

Identification | Calibration | User-Defined | Advanced | Reporting

Name: gamma-Chlordane #2 | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 5.126 | RRT: 0.000

Extract signals from - 0.020 + 0.020 (Min / %)

This is 5.106 to 5.146 minutes

Quant signal: TIC | % Uncertainty

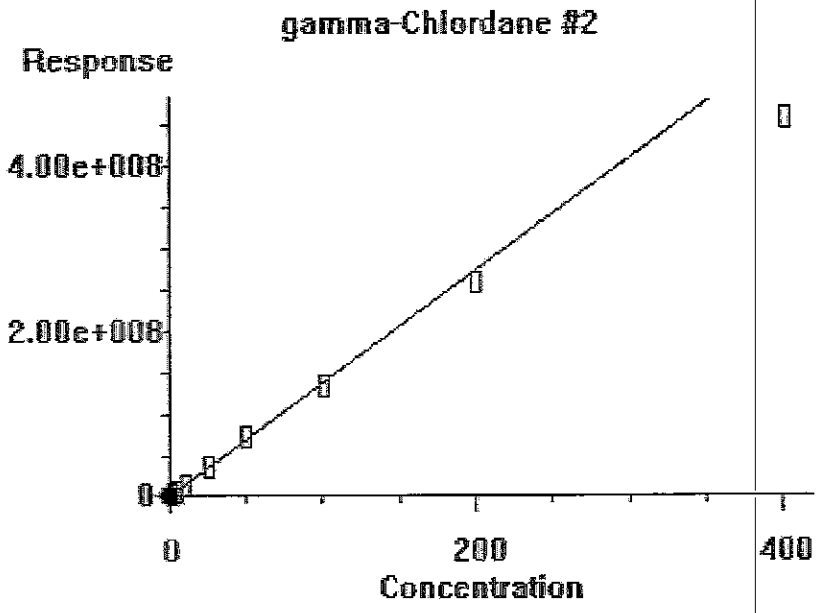
m/z | Relative Response: Rel

Target		TIC	100.00	
Q1	0.00	0.00	20.00	
Q2	0.00	0.00	20.00	
Q3	0.00	0.00	20.00	

Level	Concentration	Response
1	1.000000	1589930.318220
2	2.000000	2713966.211872
3	5.000000	6824737.557542
4	10.000000	13356162.14670
5	25.000000	35277927.03587
6	50.000000	71750739.45468
7	100.000000	134755153.8643
8	200.000000	259208548.0664
9	400.000000	458220055.8143

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound #47 -- alpha-Chlordane #2

Search by: Ret Time | Name | Index | Find Compound

- HCBD #2
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide :
- gamma-Chlordane #:
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- Dieldrin #2
- Endrin #2
- 4,4'-DDD #2
- Endosulfan II #2
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) #
- Tech Chlordane(2) #
- Tech Chlordane(3) #
- Tech Chlordane(4) #
- Tech Chlordane(5) #

Identification | Calibration | User-Defined | Advanced | Reporting

Name: alpha-Chlordane #2 | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 5.232 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 | Min | %

This is 5.212 to 5.252 minutes

Quant signal: TIC | % Uncertainty

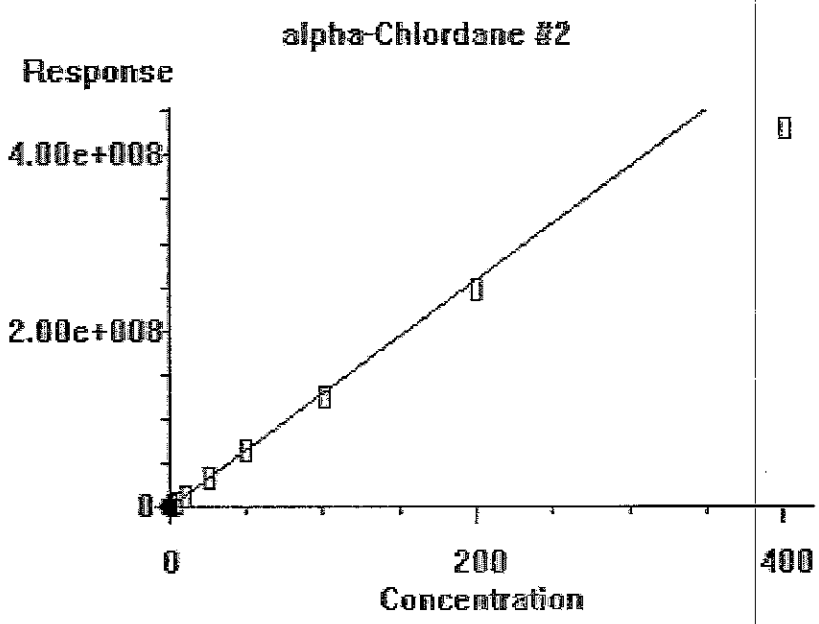
m/z | Relative Response: Rel

Target			
	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	1568815.857715
2	2.000000	2606130.429034
3	5.000000	6381230.331812
4	10.000000	12496652.72651
5	25.000000	32859958.30330
6	50.000000	66286154.44183
7	100.000000	126483033.0746
8	200.000000	248000548.2284
9	400.000000	430239103.9957

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #48 -- 4,4'-DDE #2

Search by: Ret Time | Name | Index | Find Compound

- HCBD #2
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide :
- gamma-Chlordane #:
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- Dieldrin #2
- Endrin #2
- 4,4'-DDD #2
- Endosulfan II #2
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) #
- Tech Chlordane(2) #
- Tech Chlordane(3) #
- Tech Chlordane(4) #
- Tech Chlordane(5) #

Identification | Calibration | User-Defined | Advanced | Reporting

Name: 4,4'-DDE #2 | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 5.354 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 | Min | %

This is 5.334 to 5.374 minutes

Quant signal: TIC | % Uncertainty

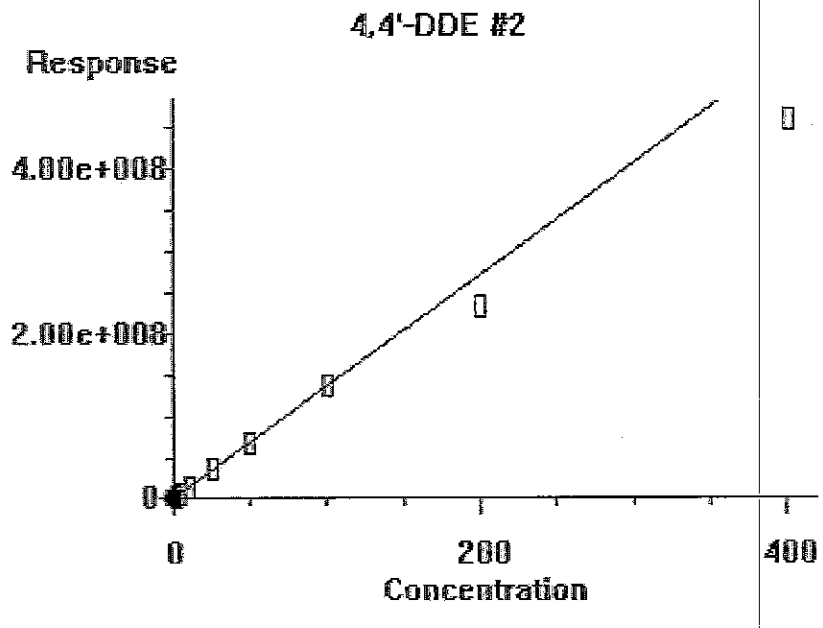
m/z | Relative Response: Rel

Target		TIC	100.00	
Q1		0.00	0.00	20.00
Q2		0.00	0.00	20.00
Q3		0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	1608076.477423
2	2.000000	2758912.350982
3	5.000000	6800025.583359
4	10.000000	13892867.12792
5	25.000000	36801341.486125
6	50.000000	65719770.14457
7	100.000000	137462340.6927
8	200.000000	234080516.3132
9	400.000000	459565388.9445

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse square of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #49 -- Endosulfan I #2

Search by: Ret Time | Name | Index | Find Compound

- HCBD #2
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide :
- gamma-Chlordane #:
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- Dieldrin #2
- Endrin #2
- 4,4'-DDD #2
- Endosulfan II #2
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) #
- Tech Chlordane(2) #
- Tech Chlordane(3) #
- Tech Chlordane(4) #
- Tech Chlordane(5) #

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Endosulfan I #2 | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 5.271 | RRT: 0.000

Extract signals from: - 0.020 ÷ 0.020 (Min / %)

This is 5.251 to 5.291 minutes

Quant signal: TIC | % Uncertainty

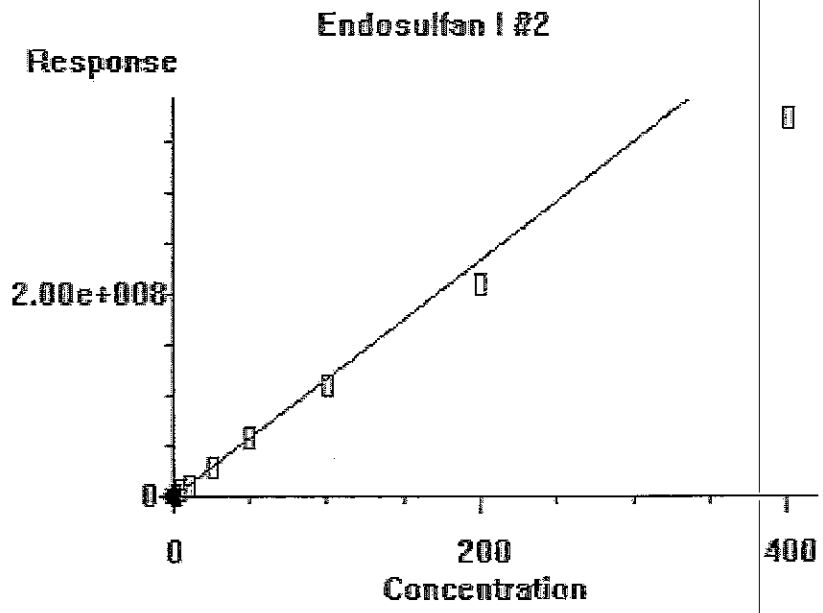
m/z | Relative Response: Rel

Target			
TIC	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting

Level	Concentration	Response
1	1.000000	1469825.666622
2	2.000000	2418089.563678
3	5.000000	5953076.645294
4	10.000000	11499104.86573
5	25.000000	29703996.936275
6	50.000000	58950351.045766
7	100.000000	110461441.80626
8	200.000000	210044853.42335
9	400.000000	372442345.78723



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #50 -- Dieldrin #2

Search by: Ret Time | Name | Index | Find Compound

- HCBD #2
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide :
- gamma-Chlordane #
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- **Dieldrin #2**
- Endrin #2
- 4,4'-DDD #2
- Endosulfan II #2
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) #
- Tech Chlordane(2) #
- Tech Chlordane(3) #
- Tech Chlordane(4) #
- Tech Chlordane(5) #

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Dieldrin #2 | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 5.466 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 (Min / %)

This is 5.446 to 5.486 minutes

Quant signal: TIC | % Uncertainty

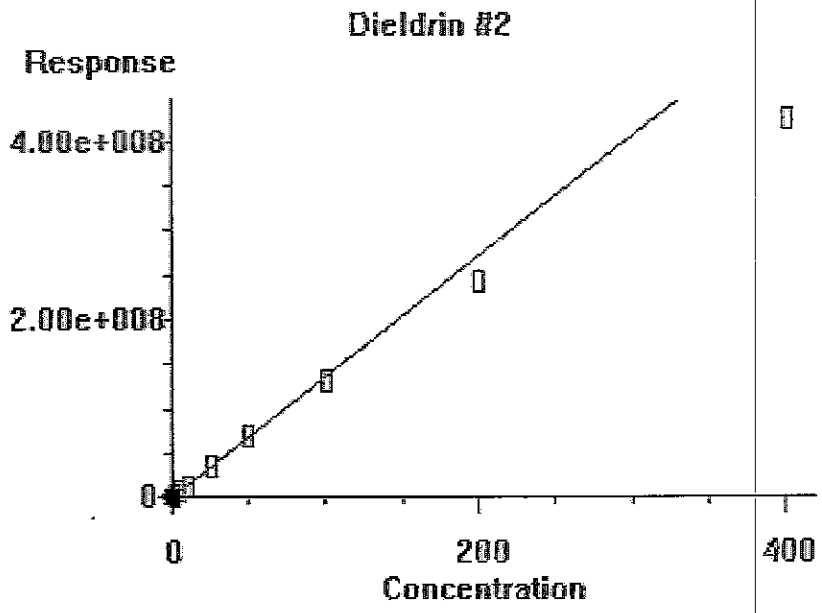
m/z | Relative Response: Rel

Target			
	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	1597949.578930
2	2.000000	2792246.611759
3	5.000000	6789605.980723
4	10.000000	13723140.27757(
5	25.000000	35947963.26611(
6	50.000000	70256874.38047(
7	100.000000	131724875.2158(
8	200.000000	243995880.4080(
9	400.000000	425486684.2375(

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound #51 -- Endrin #2

Search by: Ret Time | Name | Index | Find Compound

- HCBD #2
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide :
- gamma-Chlordane #:
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- Dieldrin #2
- **Endrin #2**
- 4,4'-DDD #2
- Endosulfan II #2
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) #
- Tech Chlordane(2) #
- Tech Chlordane(3) #
- Tech Chlordane(4) #
- Tech Chlordane(5) #

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Endrin #2 | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 5.681 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 | Min | %

This is 5.661 to 5.701 minutes

Quant signal: TIC | % Uncertainty

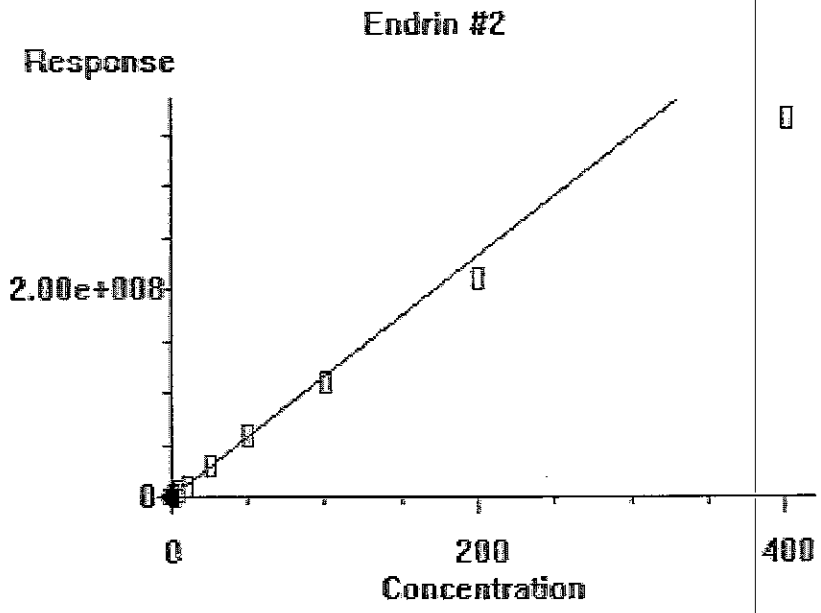
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	1437088.569047
2	2.000000	2436380.348614
3	5.000000	5963104.498503
4	10.000000	11521216.90312
5	25.000000	30166335.683555
6	50.000000	59020722.06224
7	100.000000	111286506.2136
8	200.000000	211537054.4888
9	400.000000	365629054.0139

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #52 -- 4,4'-DDD #2

Search by: Ret Time | Name | Index | Find Compound

- HCBD #2
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide :
- gamma-Chlordane #
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- Dieldrin #2
- Endrin #2
- 4,4'-DDD #2
- Endosulfan II #2
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) #
- Tech Chlordane(2) #
- Tech Chlordane(3) #
- Tech Chlordane(4) #
- Tech Chlordane(5) #

Identification | Calibration | User-Defined | Advanced | Reporting

Name: 4,4'-DDD #2 | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 5.762 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 | Min | %

This is 5.742 to 5.782 minutes

Quant signal: TIC | % Uncertainty

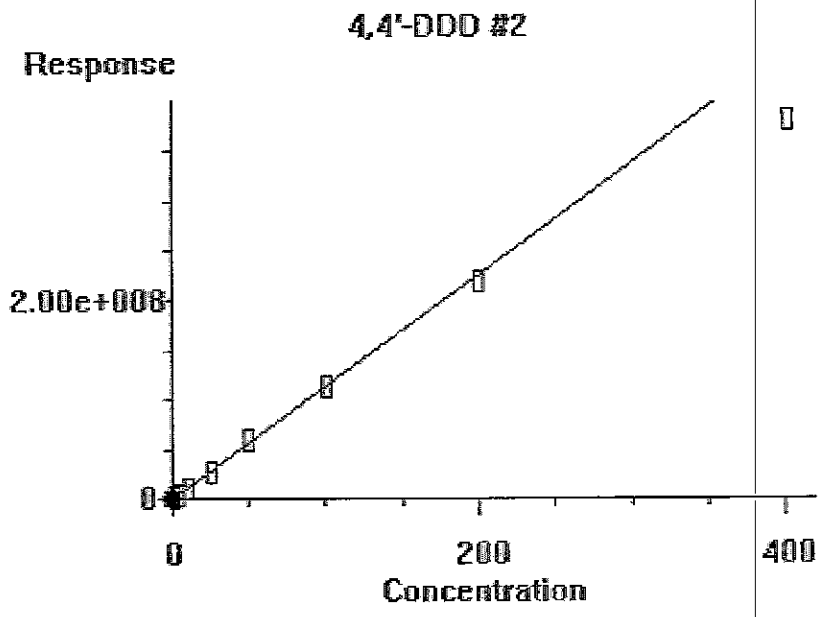
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	1309749.201433
2	2.000000	2206228.817540
3	5.000000	5565226.511226
4	10.000000	11047939.025322
5	25.000000	28805963.928386
6	50.000000	59484173.578093
7	100.000000	113351266.34990
8	200.000000	218395902.11835
9	400.000000	380454403.84637

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #53 -- Endosulfan II #2

Search by: Ret Time | Name | Index | Find Compound

- HC8D #2
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide :
- gamma-Chlordane #
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- Dieldrin #2
- Endrin #2
- 4,4'-DDD #2
- **Endosulfan II #2**
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) #
- Tech Chlordane(2) #
- Tech Chlordane(3) #
- Tech Chlordane(4) #
- Tech Chlordane(5) #

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Endosulfan II #2 | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 5.830 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 (Min / %)

This is 5.810 to 5.850 minutes

Quant signal: TIC | % Uncertainty

m/z | Relative Response: Rel

Target

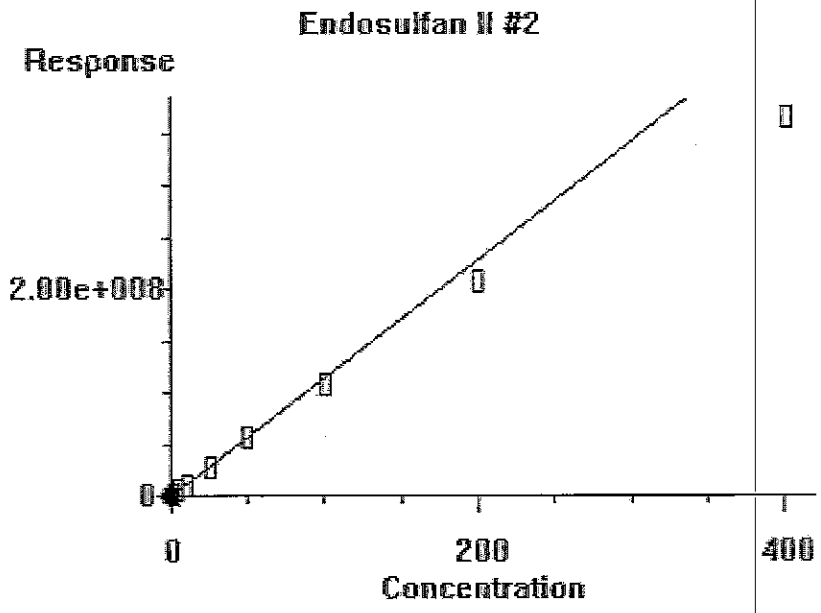
		TIC	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

TIC: 100.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc

Level	Concentration	Response
1	1.000000	1422797.269252
2	2.000000	2410947.449738
3	5.000000	5728337.532465
4	10.000000	11285965.84930
5	25.000000	29479427.061605
6	50.000000	58254632.297880
7	100.000000	108784357.13415
8	200.000000	208959020.42842
9	400.000000	365799243.70304



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound #54 -- 4,4'-DDT #2

Search by: Ret Time | Name | Index | Find Compound

- HCBD #2
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide :
- gamma-Chlordane #:
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- Dieldrin #2
- Endrin #2
- 4,4'-DDD #2
- Endosulfan II #2
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) #
- Tech Chlordane(2) #
- Tech Chlordane(3) #
- Tech Chlordane(4) #
- Tech Chlordane(5) #

Identification | Calibration | User-Defined | Advanced | Reporting

Name: 4,4'-DDT #2 Concentration Units: ppb Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 5.982 RRT: 0.000

Extract signals from

- 0.020 + 0.020 Min %

This is 5.962 to 6.002 minutes

Quant signal: TIC % Uncertainty

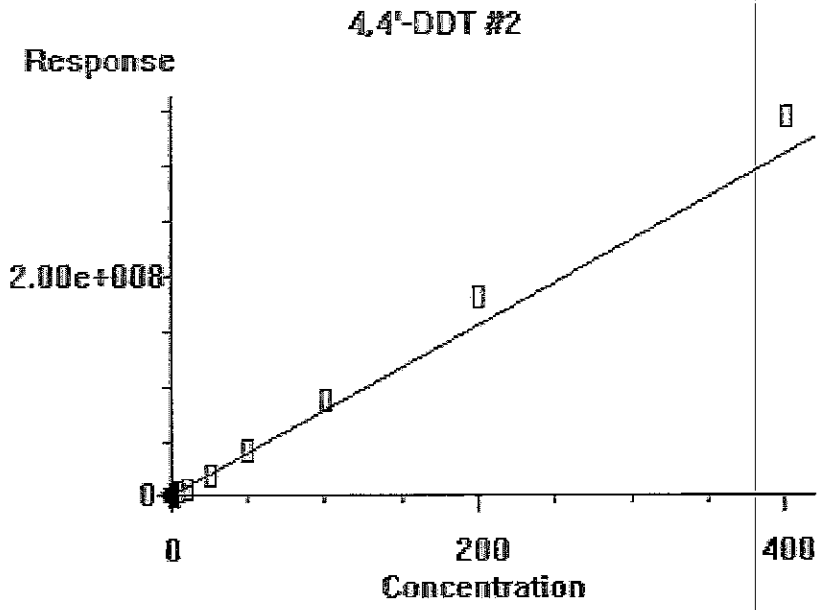
m/z Relative Response: Rel

Target			
TIC	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc

Level	Concentration	Response
1	1.000000	766094.830935
2	2.000000	1276377.233351
3	5.000000	3250274.308628
4	10.000000	6749833.128444
5	25.000000	18996968.391355
6	50.000000	41652077.924362
7	100.000000	88244749.339143
8	200.000000	182254342.09468
9	400.000000	344811801.37709



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #55 -- Endrin aldehyde #2

Search by: Ret Time | Name | Index | Find Compound

- HCBD #2
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide :
- gamma-Chlordane #:
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- Dieldrin #2
- Endrin #2
- 4,4'-DDD #2
- Endosulfan II #2
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) #
- Tech Chlordane(2) #
- Tech Chlordane(3) #
- Tech Chlordane(4) #
- Tech Chlordane(5) #

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Endrin aldehyde #2 | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 6.064 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 | Min | %

This is 6.044 to 6.084 minutes

Quant signal: TIC | % Uncertainty

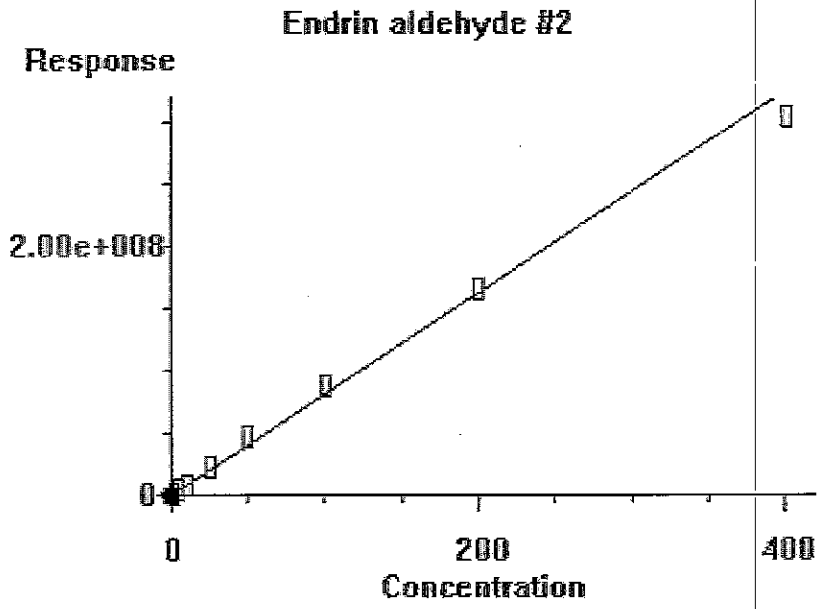
m/z | Relative Response: Rel

Target			
	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	1198349.854011
2	2.000000	2030528.205553
3	5.000000	4809731.932194
4	10.000000	9398937.238808
5	25.000000	24258216.480873
6	50.000000	47846670.220767
7	100.000000	88939983.703448
8	200.000000	167092059.95119
9	400.000000	304403574.10903

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Linear Regression
Weight	Inverse of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound #56 -- Methoxychlor #2

Search by: Ret Time | Name | Index | Find Compound

- HCBD #2
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide :
- gamma-Chlordane #:
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- Dieldrin #2
- Endrin #2
- 4,4'-DDD #2
- Endosulfan II #2
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) #
- Tech Chlordane(2) #
- Tech Chlordane(3) #
- Tech Chlordane(4) #
- Tech Chlordane(5) #

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Methoxychlor #2 | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 6.457 | RRT: 0.000

Extract signals from: - 0.030 + 0.030 (Min / %)

This is 6.427 to 6.487 minutes

Quant signal: TIC | % Uncertainty

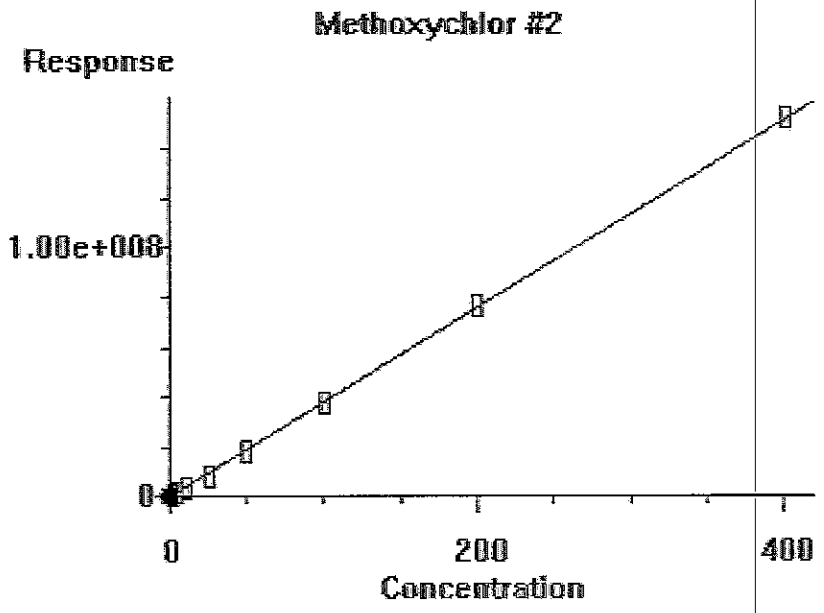
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	478824.975126
2	2.000000	757908.420853
3	5.000000	1788672.442718
4	10.000000	3462104.735561
5	25.000000	8752175.247901
6	50.000000	18350672.31615
7	100.000000	37621560.57205
8	200.000000	76769161.928773
9	400.000000	152361003.39296

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Linear Regression
Weight	Inverse of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #57 -- Endosulfan sulfate #2

Search by: Ret Time | Name | Index | Find Compound

- HCBD #2
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide :
- gamma-Chlordane #:
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- Dieldrin #2
- Endrin #2
- 4,4'-DDD #2
- Endosulfan II #2
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) #
- Tech Chlordane(2) #
- Tech Chlordane(3) #
- Tech Chlordane(4) #
- Tech Chlordane(5) #

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Endosulfan sulfate #2 | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 6.260 | RRT: 0.000

Extract signals from: - 0.020 + 0.020 (Min / %)

This is 6.240 to 6.280 minutes

Quant signal: TIC | % Uncertainty

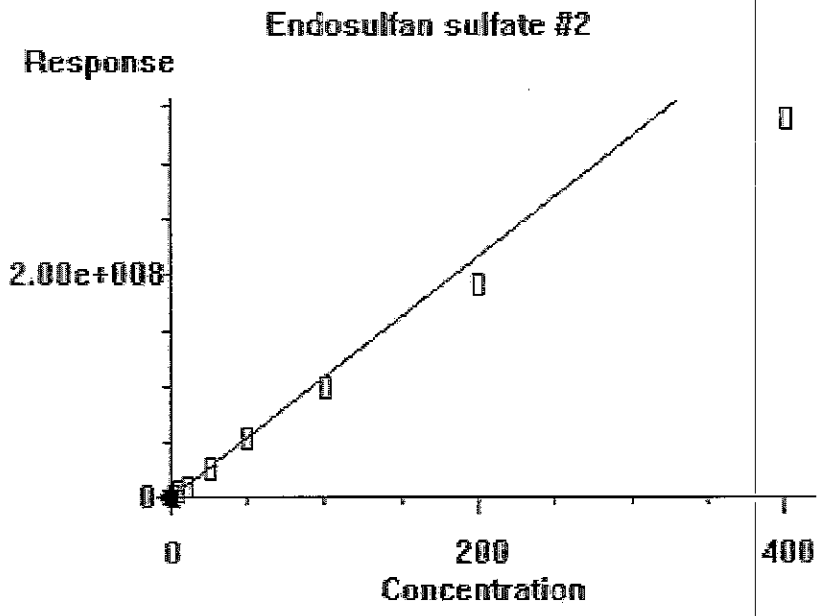
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting

Level	Concentration	Response
1	1.000000	1403465.284691
2	2.000000	2366317.385561
3	5.000000	5363886.446395
4	10.000000	10821673.335246
5	25.000000	26939680.429746
6	50.000000	53565553.41953
7	100.000000	99388233.948168
8	200.000000	191229643.13623
9	400.000000	338686606.3335



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound #58 -- Endrin ketone #2

Search by: Ret Time | Name | Index | Find Compound

- HCBD #2
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide :
- gamma-Chlordane #:
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- Dieldrin #2
- Endrin #2
- 4,4'-DDD #2
- Endosulfan II #2
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) #
- Tech Chlordane(2) #
- Tech Chlordane(3) #
- Tech Chlordane(4) #
- Tech Chlordane(5) #

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Endrin ketone #2 | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 6.630 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 (Min / %)

This is 6.610 to 6.650 minutes

Quant signal: TIC | % Uncertainty

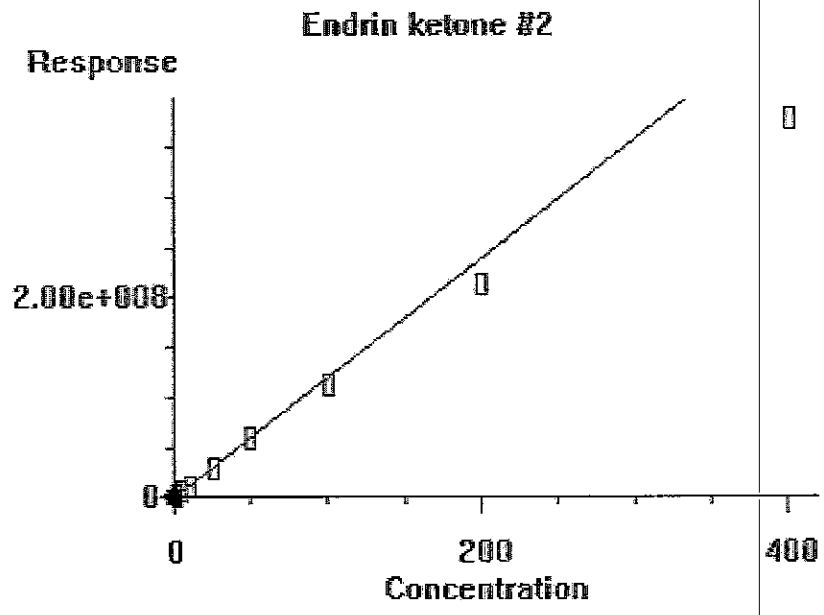
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	1519072.387541
2	2.000000	2514475.206278
3	5.000000	6197685.315685
4	10.000000	12108336.769498
5	25.000000	30717593.463563
6	50.000000	59213045.707783
7	100.000000	111741817.70098
8	200.000000	213299027.77139
9	400.000000	378774324.94703

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse square of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #59 -- Decachlorobiphenyl #2

Search by: Ret Time | Name | Index | Find Compound

- HCBD #2
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide :
- gamma-Chlordane #:
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- Dieldrin #2
- Endrin #2
- 4,4'-DDD #2
- Endosulfan II #2
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) ‡
- Tech Chlordane(2) ‡
- Tech Chlordane(3) ‡
- Tech Chlordane(4) ‡
- Tech Chlordane(5) ‡

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Decachlorobiphenyl #2 | Concentration Units: ppb | Compound Type: S

Signals to Be Used for Quantitation

Ret Time: 7.489 | RRT: 0.000

Extract signals from

- 0.030 + 0.030 | Min | %

This is 7.459 to 7.519 minutes

Quant signal: TIC | % Uncertainty

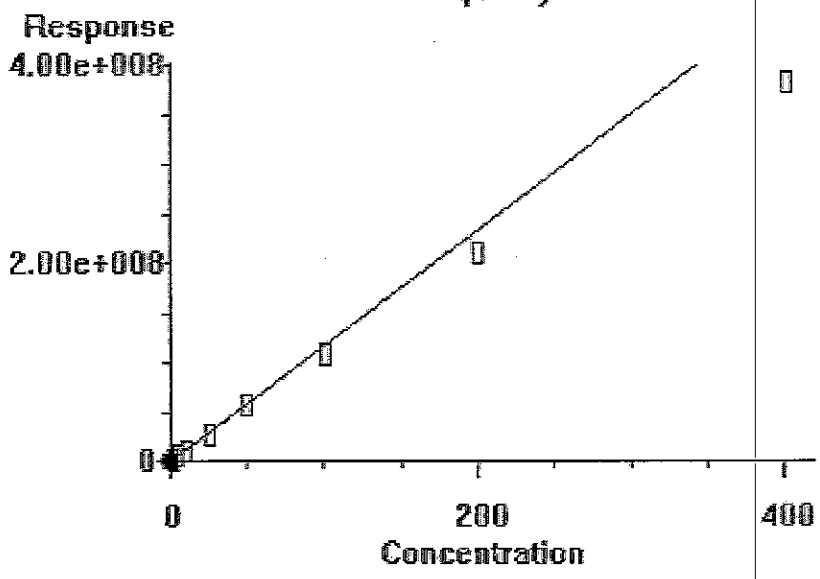
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc

Level	Concentration	Response
1	1.000000	1549389.784522
2	2.000000	2605471.194358
3	5.000000	5842715.409243
4	10.000000	11249013.11900
5	25.000000	28287305.57570
6	50.000000	57184146.70824
7	100.000000	108962306.9006
8	200.000000	211935647.6238
9	400.000000	382748554.6022



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #2 -- Tetrachloro-m-xylene

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- HCBD
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC
- gamma-BHC
- beta-BHC
- delta-BHC
- Heptachlor
- Aldrin
- Heptachlor epoxide
- gamma-Chlordane
- alpha-Chlordane
- 4,4'-DDE
- Endosulfan I
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Methoxychlor
- Endosulfan sulfate
- Endrin ketone
- Decachlorobiphenyl
- Toxaphene(1)
- Toxaphene(2)
- Toxaphene(3)
- Toxaphene(4)
- Toxaphene(5)
- Tech Chlordane(1)
- Tech Chlordane(2)
- Tech Chlordane(3)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Tetrachloro-m-xylene | Concentration Units: ppb | Compound Type: S

Signals to Be Used for Quantitation

Ret Time: 3.359 | RRT: 0.000

Extract signals from: - 0.049 ÷ 0.049 (Min / %)

This is 3.320 to 3.418 minutes

Quant signal: TIC | % Uncertainty

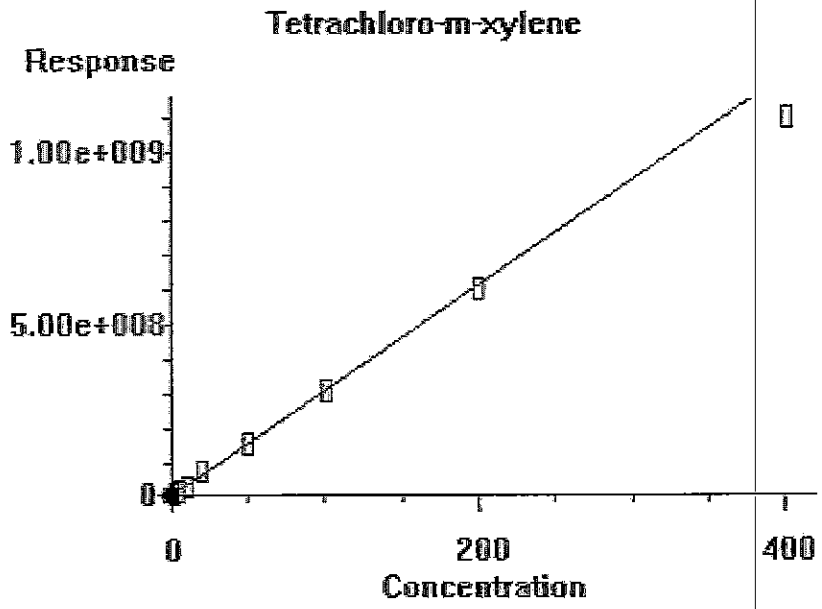
m/z | Relative Response: Rel

Target			
TIC	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting

Level	Concentration	Response
1	1.000000	3550179.603849
2	2.000000	5588650.841768
3	5.000000	14213367.207110
4	10.000000	27935020.045553
5	20.000000	73826185.691795
6	50.000000	153897369.99482
7	100.000000	306037529.30495
8	200.000000	599238875.88968
9	400.000000	1101091834.1406



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #3 -- Hexachlorobenzene

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- HCBD
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC
- gamma-BHC
- beta-BHC
- delta-BHC
- Heptachlor
- Aldrin
- Heptachlor epoxide
- gamma-Chlordane
- alpha-Chlordane
- 4,4'-DDE
- Endosulfan I
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Methoxychlor
- Endosulfan sulfate
- Endrin ketone
- Decachlorobiphenyl
- Toxaphene(1)
- Toxaphene(2)
- Toxaphene(3)
- Toxaphene(4)
- Toxaphene(5)
- Tech Chlordane(1)
- Tech Chlordane(2)
- Tech Chlordane(3)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Hexachlorobenzene | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 3.722 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 (Min / %)

This is 3.702 to 3.742 minutes

Quant signal: TIC | % Uncertainty

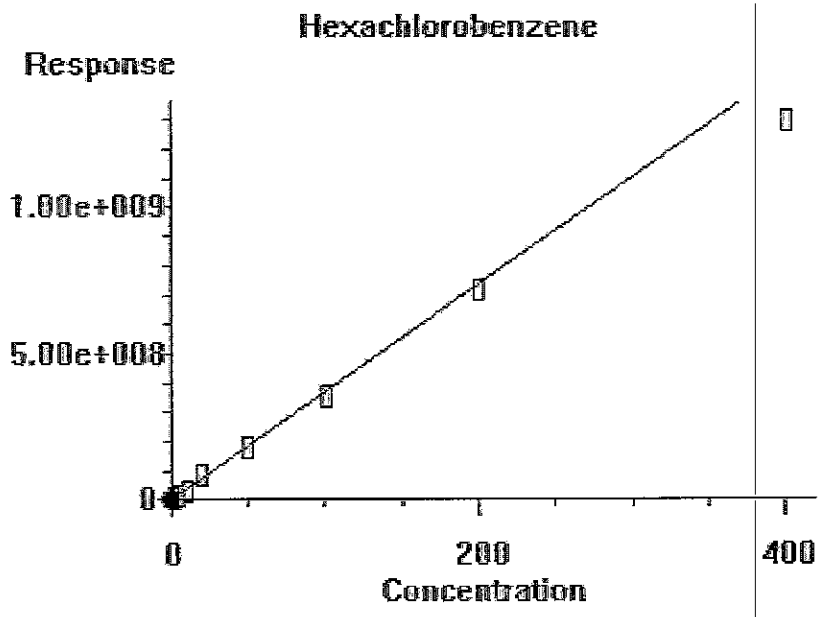
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	2.40	2.40
Q2	0.00	2.40	2.40
Q3	0.00	2.40	2.40

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc

Level	Concentration	Response
1	1.000000	4337852.396961
2	2.000000	7103262.599575
3	5.000000	17142698.190445
4	10.000000	33432940.074677
5	20.000000	89690927.576145
6	50.000000	181092909.67435
7	100.000000	354170713.38048
8	200.000000	713897638.03993
9	400.000000	1297164340.0206



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound #4 -- alpha-BHC

Search by: Ret Time | Name | Index | Find Compound

Compound Database

External Standard Comp

- HCBD
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC
- gamma-BHC
- beta-BHC
- delta-BHC
- Heptachlor
- Aldrin
- Heptachlor epoxide
- gamma-Chlordane
- alpha-Chlordane
- 4,4'-DDE
- Endosulfan I
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Methoxychlor
- Endosulfan sulfate
- Endrin ketone
- Decachlorobiphenyl
- Toxaphene(1)
- Toxaphene(2)
- Toxaphene(3)
- Toxaphene(4)
- Toxaphene(5)
- Tech Chlordane(1)
- Tech Chlordane(2)
- Tech Chlordane(3)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: alpha-BHC Concentration Units: ppb Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 3.871 RRT: 0.000

Extract signals from

- 0.049 + 0.049 Min %

This is 3.822 to 3.920 minutes

Quant signal: TIC % Uncertainty

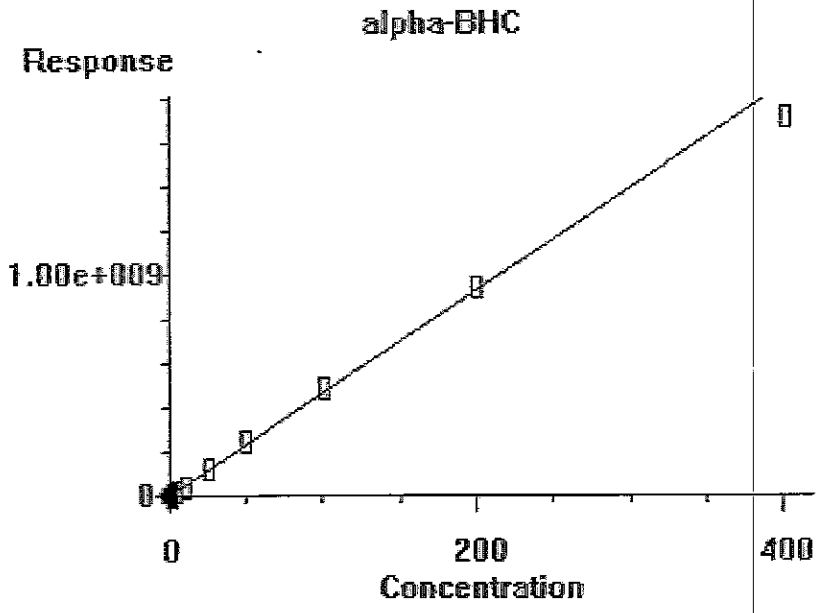
m/z Relative Response: Rel

Target			
	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting

Level	Concentration	Response
1	1.000000	4954018.551885
2	2.000000	8509648.025947
3	5.000000	22012596.18774
4	10.000000	45091428.49567
5	25.000000	121810759.0856
6	50.000000	249879368.9114
7	100.000000	487350966.7376
8	200.000000	948527252.7787
9	400.000000	1715591871.790



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #5 -- gamma-BHC

Search by: Ret Time | Name | Index | Find Compound

Compound Database | External Standard Comp

- HCBD
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC
- gamma-BHC
- beta-BHC
- delta-BHC
- Heptachlor
- Aldrin
- Heptachlor epoxide
- gamma-Chlordane
- alpha-Chlordane
- 4,4'-DDE
- Endosulfan I
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Methoxychlor
- Endosulfan sulfate
- Endrin ketone
- Decachlorobiphenyl
- Toxaphene(1)
- Toxaphene(2)
- Toxaphene(3)
- Toxaphene(4)
- Toxaphene(5)
- Tech Chlordane(1)
- Tech Chlordane(2)
- Tech Chlordane(3)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: gamma-BHC Concentration Units: ppb Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 4.143 RRT: 0.000

Extract signals from

- 0.049 + 0.049 Min %

This is 4.094 to 4.192 minutes

Quant signal: TIC % Uncertainty

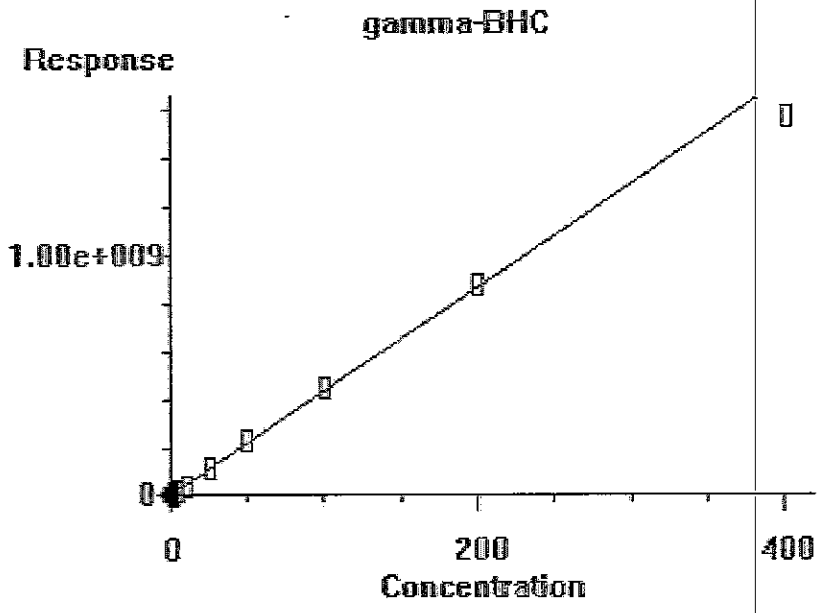
m/z Relative Response: Rel

Target			
TIC	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting

Level	Concentration	Response
1	1.000000	4682509.230867
2	2.000000	7888117.698135
3	5.000000	20196946.662245
4	10.000000	41986014.998535
5	25.000000	113153565.9346
6	50.000000	230814547.8926
7	100.000000	449200091.0334
8	200.000000	880525525.9289
9	400.000000	1574765112.791



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #6 -- beta-BHC

Search by: Ret Time | Name | Index | Find Compound

Compound Database

External Standard Comp

- HCBD
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC
- gamma-BHC
- beta-BHC
- delta-BHC
- Heptachlor
- Aldrin
- Heptachlor epoxide
- gamma-Chlordane
- alpha-Chlordane
- 4,4'-DDE
- Endosulfan I
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Methoxychlor
- Endosulfan sulfate
- Endrin ketone
- Decachlorobiphenyl
- Toxaphene(1)
- Toxaphene(2)
- Toxaphene(3)
- Toxaphene(4)
- Toxaphene(5)
- Tech Chlordane(1)
- Tech Chlordane(2)
- Tech Chlordane(3)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: beta-BHC Concentration Units: ppb Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 4.215 RRT: 0.000

Extract signals from

- 0.049 + 0.049 Min | %

This is 4.166 to 4.264 minutes

Quant signal: TIC % Uncertainty

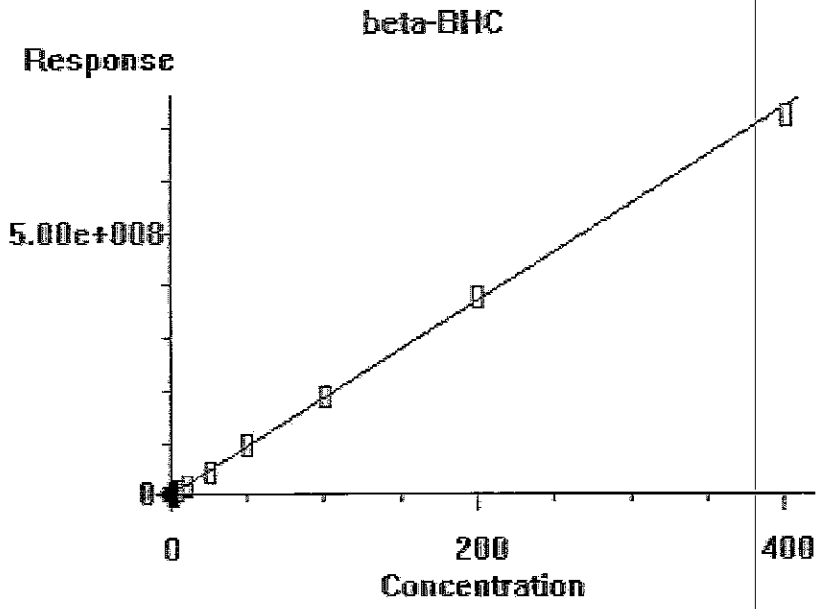
m/z Relative Response: Rel

Target			
TIC	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	2133579.259137
2	2.000000	3590701.660355
3	5.000000	8712884.399615
4	10.000000	17137579.55991
5	25.000000	45741188.43071
6	50.000000	94986218.84136
7	100.000000	189340798.0570
8	200.000000	379070859.5538
9	400.000000	723930016.8675

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse square of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #7 -- delta-BHC

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- HCBD
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC
- gamma-BHC
- beta-BHC
- delta-BHC
- Heptachlor
- Aldrin
- Heptachlor epoxide
- gamma-Chlordane
- alpha-Chlordane
- 4,4'-DDE
- Endosulfan I
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Methoxychlor
- Endosulfan sulfate
- Endrin ketone
- Decachlorobiphenyl
- Toxaphene(1)
- Toxaphene(2)
- Toxaphene(3)
- Toxaphene(4)
- Toxaphene(5)
- Tech Chlordane(1)
- Tech Chlordane(2)
- Tech Chlordane(3)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: delta-BHC Concentration Units: ppb Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 4.363 RRT: 0.000

Extract signals from
- 0.020 + 0.020 Min %

This is 4.343 to 4.383 minutes

Quant signal: TIC % Uncertainty

m/z Relative Response: Rel

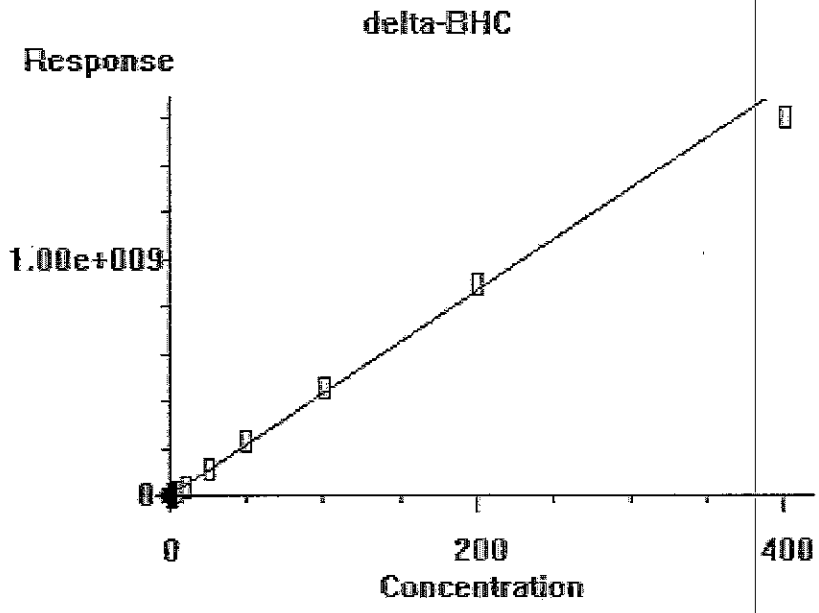
Target

		TIC	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	4445927.487568
2	2.000000	7890362.793748
3	5.000000	20578737.20378
4	10.000000	41690551.00358
5	25.000000	114203988.3501
6	50.000000	231220903.1260
7	100.000000	458609299.70772
8	200.000000	898087537.8148
9	400.000000	1602896659.189

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound #8 -- Heptachlor

Search by: Ret Time | Name | Index | Find Compound

Compound Database

External Standard Comp

- HCBD
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC
- gamma-BHC
- beta-BHC
- delta-BHC
- Heptachlor
- Aldrin
- Heptachlor epoxide
- gamma-Chlordane
- alpha-Chlordane
- 4,4'-DDE
- Endosulfan I
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Methoxychlor
- Endosulfan sulfate
- Endrin ketone
- Decachlorobiphenyl
- Toxaphene(1)
- Toxaphene(2)
- Toxaphene(3)
- Toxaphene(4)
- Toxaphene(5)
- Tech Chlordane(1)
- Tech Chlordane(2)
- Tech Chlordane(3)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Heptachlor Concentration Units: ppb Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 4.532 RRT: 0.000

Extract signals from

- 0.020 + 0.020 Min %

This is 4.512 to 4.552 minutes

Quant signal: TIC % Uncertainty

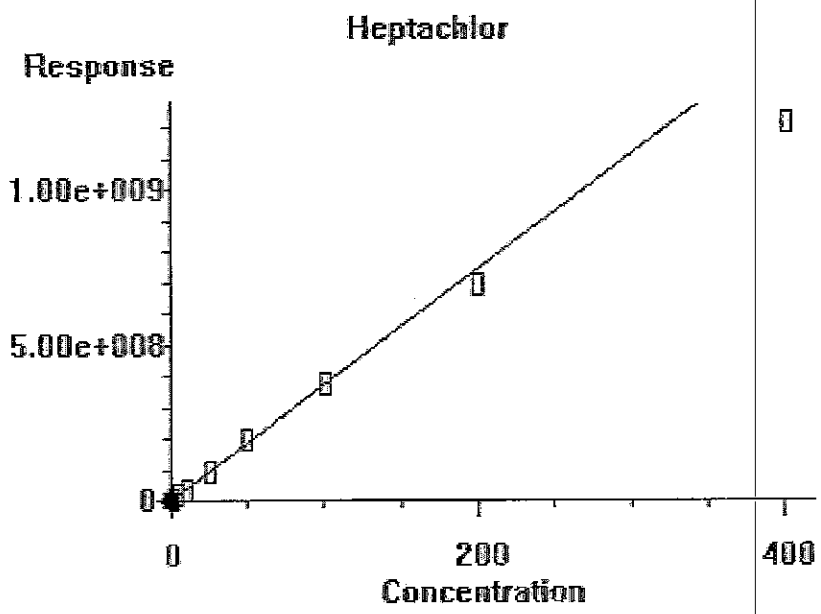
m/z Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse square of conc

Level	Concentration	Response
1	1.000000	4248016.522573
2	2.000000	7277163.430022
3	5.000000	18713707.993795
4	10.000000	36580217.48422
5	25.000000	99575411.11369
6	50.000000	199903476.00260
7	100.000000	379558869.87888
8	200.000000	699079434.2558
9	400.000000	1219253700.4184



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #9 -- Aldrin

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- HCBD
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC
- gamma-BHC
- beta-BHC
- delta-BHC
- Heptachlor
- Aldrin
- Heptachlor epoxide
- gamma-Chlordane
- alpha-Chlordane
- 4,4'-DDE
- Endosulfan I
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Methoxychlor
- Endosulfan sulfate
- Endrin ketone
- Decachlorobiphenyl
- Toxaphene(1)
- Toxaphene(2)
- Toxaphene(3)
- Toxaphene(4)
- Toxaphene(5)
- Tech Chlordane(1)
- Tech Chlordane(2)
- Tech Chlordane(3)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Aldrin Concentration Units: ppb Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 4.772 RRT: 0.000

Extract signals from
- 0.020 + 0.020 Min | %

This is 4.752 to 4.792 minutes

Quant signal: TIC % Uncertainty

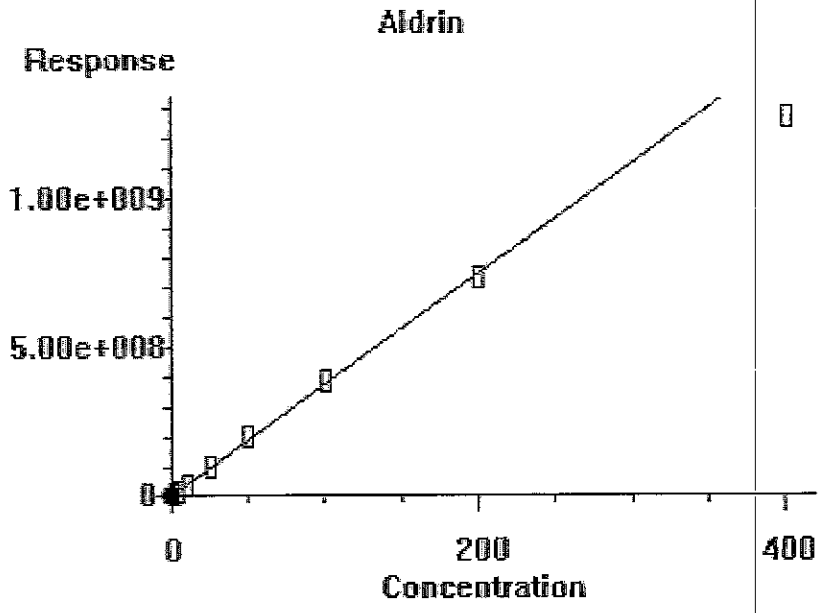
m/z Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	4041519.497977
2	2.000000	6880062.174868
3	5.000000	18239087.526318
4	10.000000	36792962.688074
5	25.000000	99983397.636584
6	50.000000	199702586.27368
7	100.000000	389382258.26176
8	200.000000	735331254.76884
9	400.000000	1271520250.3303

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse square of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #10 -- Heptachlor epoxide

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- HCBD
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC
- gamma-BHC
- beta-BHC
- delta-BHC
- Heptachlor
- Aldrin
- Heptachlor epoxide
- gamma-Chlordane
- alpha-Chlordane
- 4,4'-DDE
- Endosulfan I
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Methoxychlor
- Endosulfan sulfate
- Endrin ketone
- Decachlorobiphenyl
- Toxaphene(1)
- Toxaphene(2)
- Toxaphene(3)
- Toxaphene(4)
- Toxaphene(5)
- Tech Chlordane(1)
- Tech Chlordane(2)
- Tech Chlordane(3)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Heptachlor epoxide Concentration Units: ppb Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 5.237 RRT: 0.000

Extract signals from

- 0.020 + 0.020 Min %

This is 5.217 to 5.257 minutes

Quant signal: TIC % Uncertainty

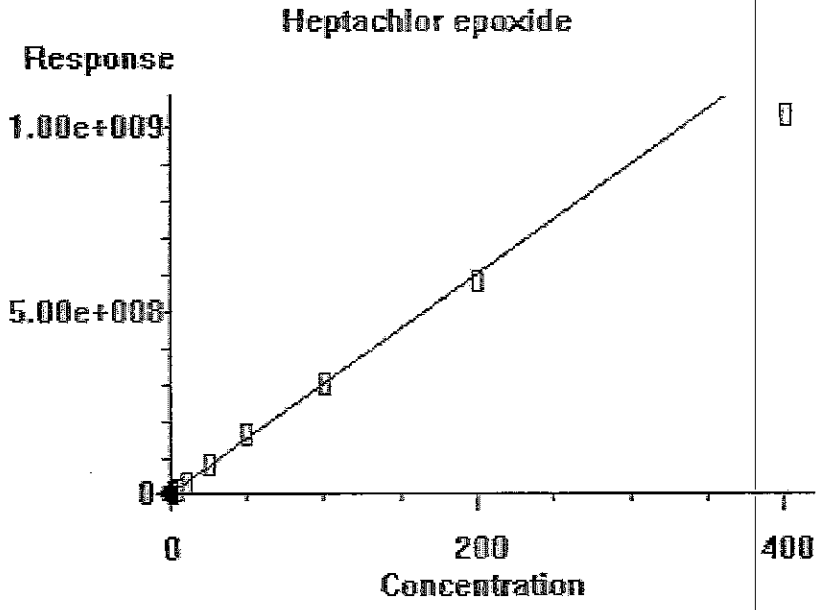
m/z Relative Response: Rel

Target			
	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	3375259.952555
2	2.000000	5900853.484257
3	5.000000	14591414.448825
4	10.000000	28737740.620513
5	25.000000	79398593.966480
6	50.000000	160761145.7542
7	100.000000	301169798.9218
8	200.000000	584362802.24548
9	400.000000	1032180990.6852

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ıpounds -- Compound #11 -- gamma-Chlordane

Search by: Ret Time | Name | Index | Find Compound

Compound Database | External Standard Comp

- HCBD
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC
- gamma-BHC
- beta-BHC
- delta-BHC
- Heptachlor
- Aldrin
- Heptachlor epoxide
- gamma-Chlordane
- alpha-Chlordane
- 4,4'-DDE
- Endosulfan I
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Methoxychlor
- Endosulfan sulfate
- Endrin ketone
- Decachlorobiphenyl
- Toxaphene(1)
- Toxaphene(2)
- Toxaphene(3)
- Toxaphene(4)
- Toxaphene(5)
- Tech Chlordane(1)
- Tech Chlordane(2)
- Tech Chlordane(3)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: gamma-Chlordane Concentration Units: ppb Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 5.329 RRT: 0.000

Extract signals from

- 0.020 + 0.020 Min | %

This is 5.309 to 5.349 minutes

Quant signal: TIC % Uncertainty

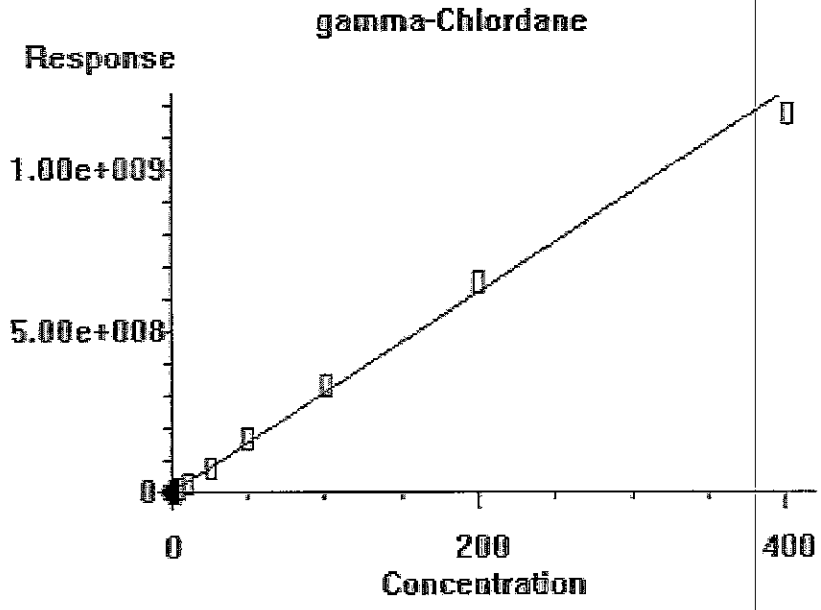
m/z Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	3102804.071164
2	2.000000	5740408.858930
3	5.000000	14706113.564173
4	10.000000	28935193.584186
5	25.000000	80810399.056082
6	50.000000	168623577.78048
7	100.000000	333268022.48443
8	200.000000	656263530.51554
9	400.000000	1173199003.9136

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #12 -- alpha-Chlordane

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- HCBD
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC
- gamma-BHC
- beta-BHC
- delta-BHC
- Heptachlor
- Aldrin
- Heptachlor epoxide
- gamma-Chlordane
- alpha-Chlordane
- 4,4'-DDE
- Endosulfan I
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Methoxychlor
- Endosulfan sulfate
- Endrin ketone
- Decachlorobiphenyl
- Toxaphene(1)
- Toxaphene(2)
- Toxaphene(3)
- Toxaphene(4)
- Toxaphene(5)
- Tech Chlordane(1)
- Tech Chlordane(2)
- Tech Chlordane(3)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: alpha-Chlordane Concentration Units: ppb Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 5.427 RRT: 0.000

Extract signals from
- 0.020 + 0.020 Min | %

This is 5.407 to 5.447 minutes

Quant signal: TIC % Uncertainty

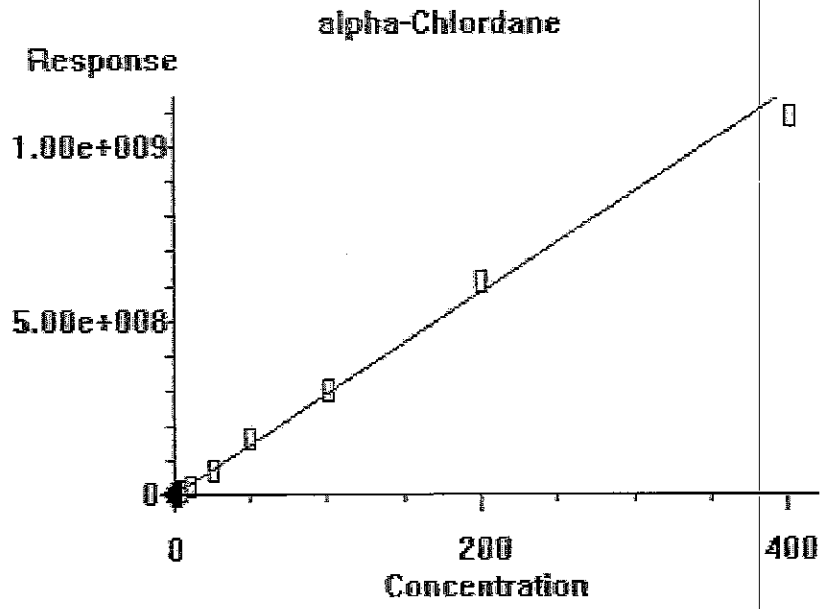
m/z Relative Response: Rel

Target			
	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	2956839.675326
2	2.000000	5458294.079559
3	5.000000	13475289.81458
4	10.000000	27191392.75810
5	25.000000	75534472.56779
6	50.000000	162536090.8517
7	100.000000	304132640.3245
8	200.000000	610395523.7874
9	400.000000	1087365187.889

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #13 -- 4,4'-DDE

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- HCBD
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC
- gamma-BHC
- beta-BHC
- delta-BHC
- Heptachlor
- Aldrin
- Heptachlor epoxide
- gamma-Chlordane
- alpha-Chlordane
- 4,4'-DDE
- Endosulfan I
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Methoxychlor
- Endosulfan sulfate
- Endrin ketone
- Decachlorobiphenyl
- Toxaphene(1)
- Toxaphene(2)
- Toxaphene(3)
- Toxaphene(4)
- Toxaphene(5)
- Tech Chlordane(1)
- Tech Chlordane(2)
- Tech Chlordane(3)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: 4,4'-DDE Concentration Units: ppb Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 5.475 RRT: 0.000

Extract signals from

- 0.020 + 0.020 Min %

This is 5.455 to 5.495 minutes

Quant signal: TIC % Uncertainty

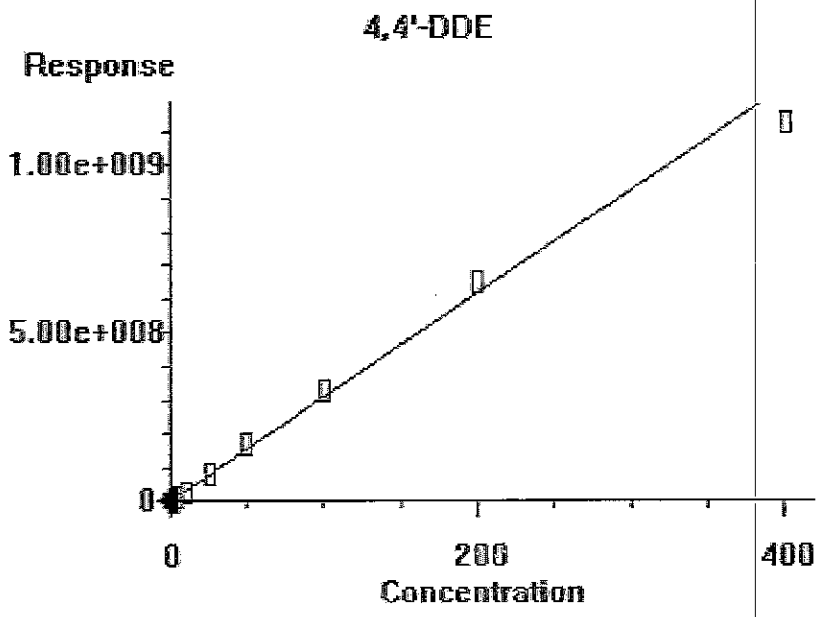
m/z Relative Response: Rel

Target			
TIC	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc

Level	Concentration	Response
1	1.000000	2968704.354378
2	2.000000	5585381.715242
3	5.000000	14689747.080233
4	10.000000	29920439.913998
5	25.000000	81539465.96303
6	50.000000	169348044.7304
7	100.000000	330732640.0013
8	200.000000	652295791.8590
9	400.000000	1127174666.540



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound #14 -- Endosulfan I

Search by: Ret Time | Name | Index | Find Compound

Compound Database

External Standard Comp

- HCBD
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC
- gamma-BHC
- beta-BHC
- delta-BHC
- Heptachlor
- Aldrin
- Heptachlor epoxide
- gamma-Chlordane
- alpha-Chlordane
- 4,4'-DDE
- Endosulfan I
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Methoxychlor
- Endosulfan sulfate
- Endrin ketone
- Decachlorobiphenyl
- Toxaphene(1)
- Toxaphene(2)
- Toxaphene(3)
- Toxaphene(4)
- Toxaphene(5)
- Tech Chlordane(1)
- Tech Chlordane(2)
- Tech Chlordane(3)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Endosulfan I | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 5.532 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 (Min / %)

This is 5.512 to 5.552 minutes

Quant signal: TIC | % Uncertainty

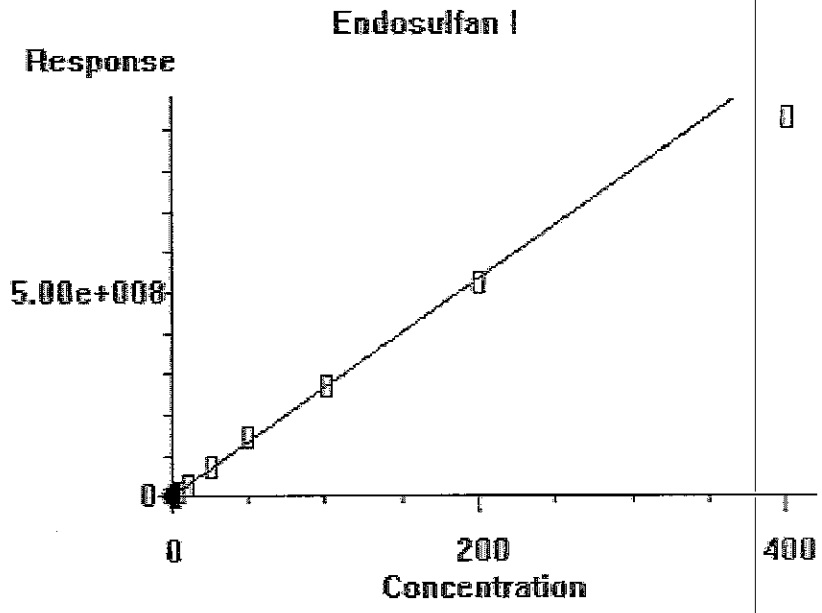
m/z | Relative Response: Rel

Target			
TIC	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting

Level	Concentration	Response
1	1.000000	2805241.365296
2	2.000000	5163121.866881
3	5.000000	13274889.94928
4	10.000000	26106993.396529
5	25.000000	71236557.061542
6	50.000000	144633226.03172
7	100.000000	273791711.5707
8	200.000000	523375867.64352
9	400.000000	931520052.91421



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #15 -- Dieldrin

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- HCBD
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC
- gamma-BHC
- beta-BHC
- delta-BHC
- Heptachlor
- Aldrin
- Heptachlor epoxide
- gamma-Chlordane
- alpha-Chlordane
- 4,4'-DDE
- Endosulfan I
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Methoxychlor
- Endosulfan sulfate
- Endrin ketone
- Decachlorobiphenyl
- Toxaphene(1)
- Toxaphene(2)
- Toxaphene(3)
- Toxaphene(4)
- Toxaphene(5)
- Tech Chlordane(1)
- Tech Chlordane(2)
- Tech Chlordane(3)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Dieldrin | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 5.706 | RRT: 0.000

Extract signals from: - 0.020 + 0.020 (Min / %)

This is 5.686 to 5.726 minutes

Quant signal: TIC | % Uncertainty

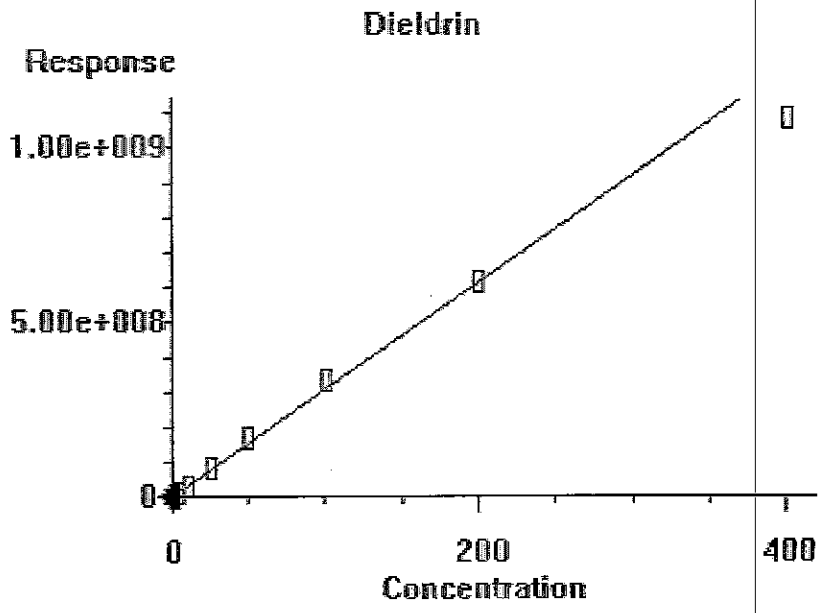
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	2890623.217705
2	2.000000	5553958.354958
3	5.000000	15319398.180003
4	10.000000	30507185.47320
5	25.000000	83140066.64050
6	50.000000	171710725.36432
7	100.000000	332122687.0577
8	200.000000	616213338.70166
9	400.000000	1083128835.910

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #16 -- Endrin

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- HCBD
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC
- gamma-BHC
- beta-BHC
- delta-BHC
- Heptachlor
- Aldrin
- Heptachlor epoxide
- gamma-Chlordane
- alpha-Chlordane
- 4,4'-DDE
- Endosulfan I
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Methoxychlor
- Endosulfan sulfate
- Endrin ketone
- Decachlorobiphenyl
- Toxaphene(1)
- Toxaphene(2)
- Toxaphene(3)
- Toxaphene(4)
- Toxaphene(5)
- Tech Chlordane(1)
- Tech Chlordane(2)
- Tech Chlordane(3)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Endrin Concentration Units: ppb Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 5.877 RRT: 0.000

Extract signals from

- 0.020 + 0.020 Min %

This is 5.857 to 5.897 minutes

Quant signal: TIC % Uncertainty

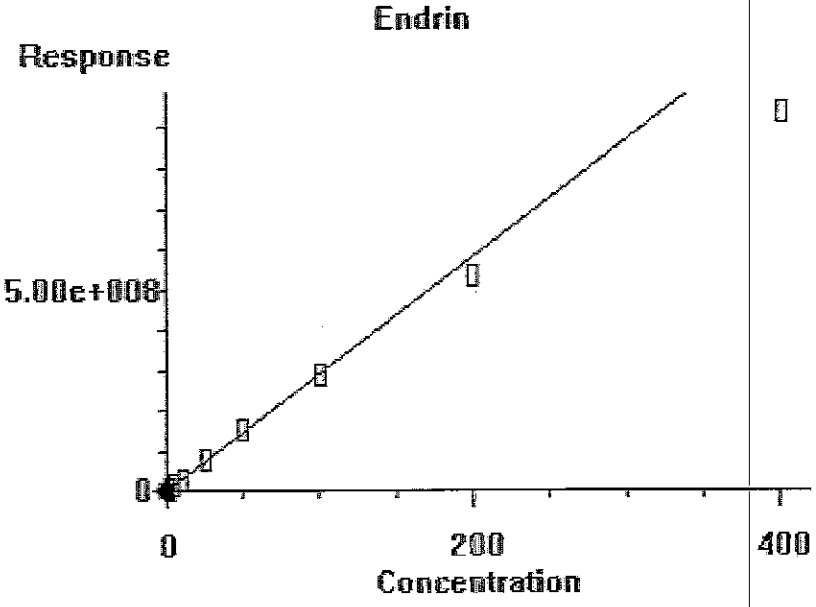
m/z Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting

Level	Concentration	Response
1	1.000000	3219841.379639
2	2.000000	5818887.976043
3	5.000000	14932053.716926
4	10.000000	29813179.046232
5	25.000000	77460361.349846
6	50.000000	153683907.7300
7	100.000000	290213208.0038
8	200.000000	534527788.7690
9	400.000000	938181386.0854



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound #17 -- 4,4'-DDD

Search by: Ret Time | Name | Index | Find Compound

Compound Database | External Standard Comp

- HCBD
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC
- gamma-BHC
- beta-BHC
- delta-BHC
- Heptachlor
- Aldrin
- Heptachlor epoxide
- gamma-Chlordane
- alpha-Chlordane
- 4,4'-DDE
- Endosulfan I
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Methoxychlor
- Endosulfan sulfate
- Endrin ketone
- Decachlorobiphenyl
- Toxaphene(1)
- Toxaphene(2)
- Toxaphene(3)
- Toxaphene(4)
- Toxaphene(5)
- Tech Chlordane(1)
- Tech Chlordane(2)
- Tech Chlordane(3)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: 4,4'-DDD Concentration Units: ppb Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 5.908 RRT: 0.000

Extract signals from

- 0.020 + 0.020 Min | %

This is 5.888 to 5.928 minutes

Quant signal: TIC % Uncertainty

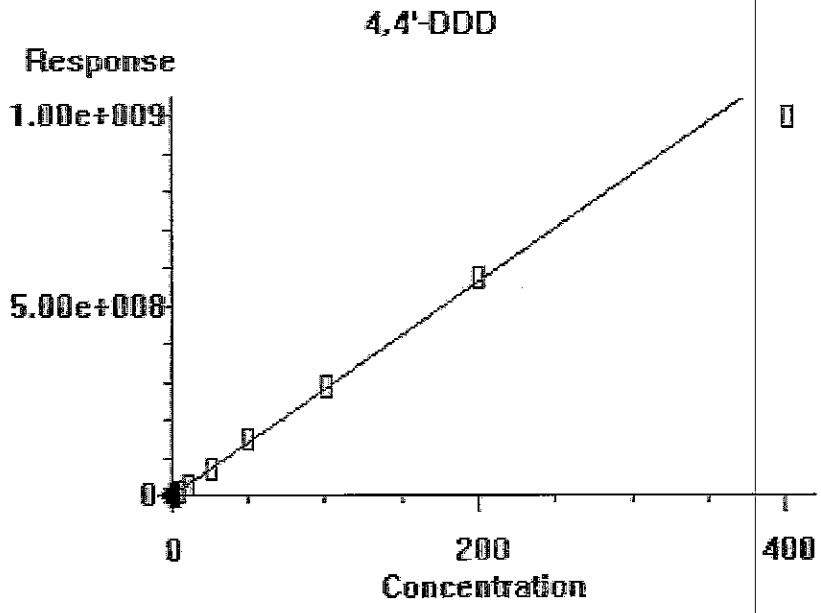
m/z Relative Response: Rel

Target			
TIC	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	3003295.232325
2	2.000000	5164074.416988
3	5.000000	13404699.44929
4	10.000000	28277244.54141
5	25.000000	73567038.31946
6	50.000000	150965422.2741
7	100.000000	291981986.8368
8	200.000000	572055355.5875
9	400.000000	997551341.6945

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #18 -- Endosulfan II

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- HCBD
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC
- gamma-BHC
- beta-BHC
- delta-BHC
- Heptachlor
- Aldrin
- Heptachlor epoxide
- gamma-Chlordane
- alpha-Chlordane
- 4,4'-DDE
- Endosulfan I
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Methoxychlor
- Endosulfan sulfate
- Endrin ketone
- Decachlorobiphenyl
- Toxaphene(1)
- Toxaphene(2)
- Toxaphene(3)
- Toxaphene(4)
- Toxaphene(5)
- Tech Chlordane(1)
- Tech Chlordane(2)
- Tech Chlordane(3)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Endosulfan II | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 6.039 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 Min %

This is 6.019 to 6.059 minutes

Quant signal: TIC | % Uncertainty

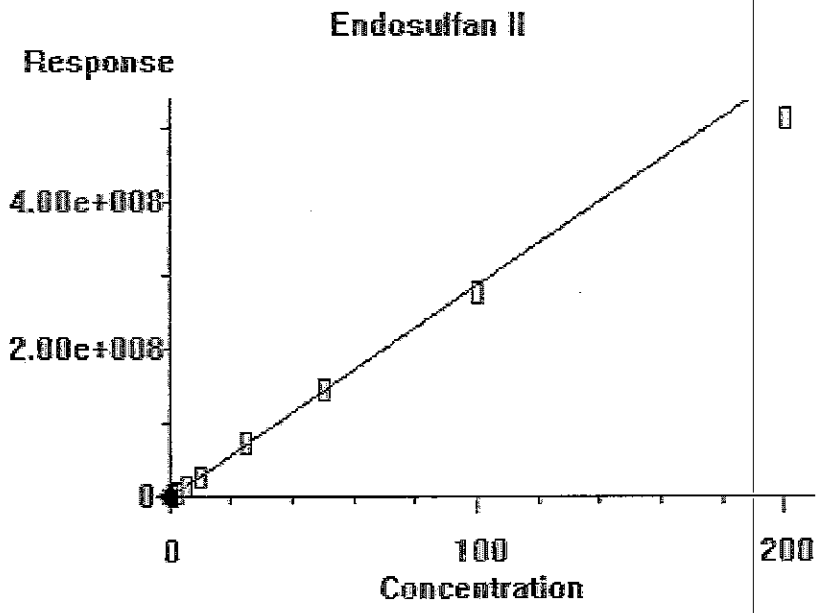
m/z | Relative Response: Rel

Target			
	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	3301487.449564
2	2.000000	5635069.807376
3	5.000000	14239114.40323
4	10.000000	28188650.619531
5	25.000000	73523304.894628
6	50.000000	145474503.53906
7	100.000000	278211136.90072
8	200.000000	514418937.78875
9		

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound #19 -- 4,4'-DDT

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- HCBD
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC
- gamma-BHC
- beta-BHC
- delta-BHC
- Heptachlor
- Aldrin
- Heptachlor epoxide
- gamma-Chlordane
- alpha-Chlordane
- 4,4'-DDE
- Endosulfan I
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Methoxychlor
- Endosulfan sulfate
- Endrin ketone
- Decachlorobiphenyl
- Toxaphene(1)
- Toxaphene(2)
- Toxaphene(3)
- Toxaphene(4)
- Toxaphene(5)
- Tech Chlordane(1)
- Tech Chlordane(2)
- Tech Chlordane(3)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: 4,4'-DDT Concentration Units: ppb Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 6.107 RRT: 0.000

Extract signals from

- 0.020 + 0.020 Min | %

This is 6.087 to 6.127 minutes

Quant signal: TIC % Uncertainty

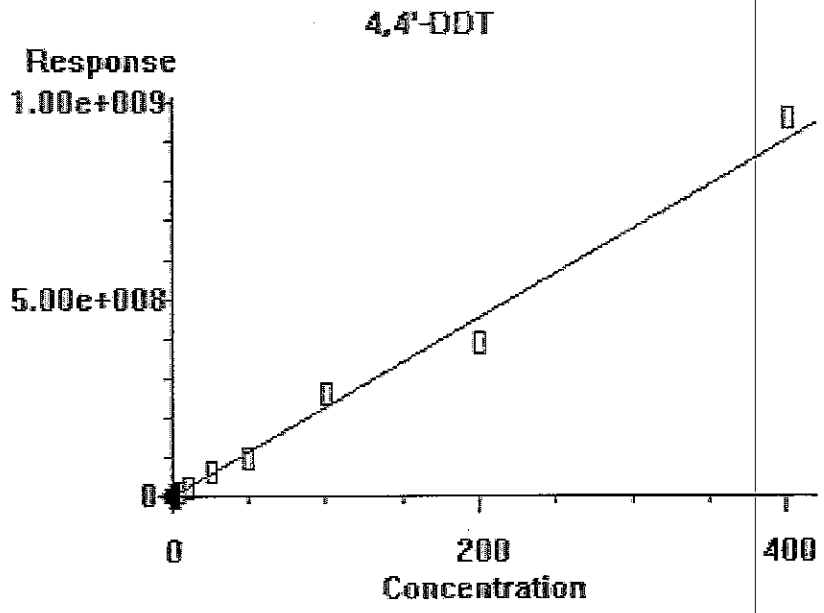
m/z Relative Response: Rel

Target			
TIC	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	2489464.071368
2	2.000000	4046040.274475
3	5.000000	10430806.49493
4	10.000000	23080256.04373
5	25.000000	62093648.71758
6	50.000000	101710285.12225
7	100.000000	261770032.21198
8	200.000000	390408587.47263
9	400.000000	961071499.08329

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound #20 -- Endrin aldehyde

Search by: Ret Time | Name | Index | Find Compound

Compound Database

External Standard Comp

- HCBD
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC
- gamma-BHC
- beta-BHC
- delta-BHC
- Heptachlor
- Aldrin
- Heptachlor epoxide
- gamma-Chlordane
- alpha-Chlordane
- 4,4'-DDE
- Endosulfan I
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Methoxychlor
- Endosulfan sulfate
- Endrin ketone
- Decachlorobiphenyl
- Toxaphene(1)
- Toxaphene(2)
- Toxaphene(3)
- Toxaphene(4)
- Toxaphene(5)
- Tech Chlordane(1)
- Tech Chlordane(2)
- Tech Chlordane(3)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Endrin aldehyde | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 6.337 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 | Min | %

This is 6.317 to 6.357 minutes

Quant signal: TIC | % Uncertainty

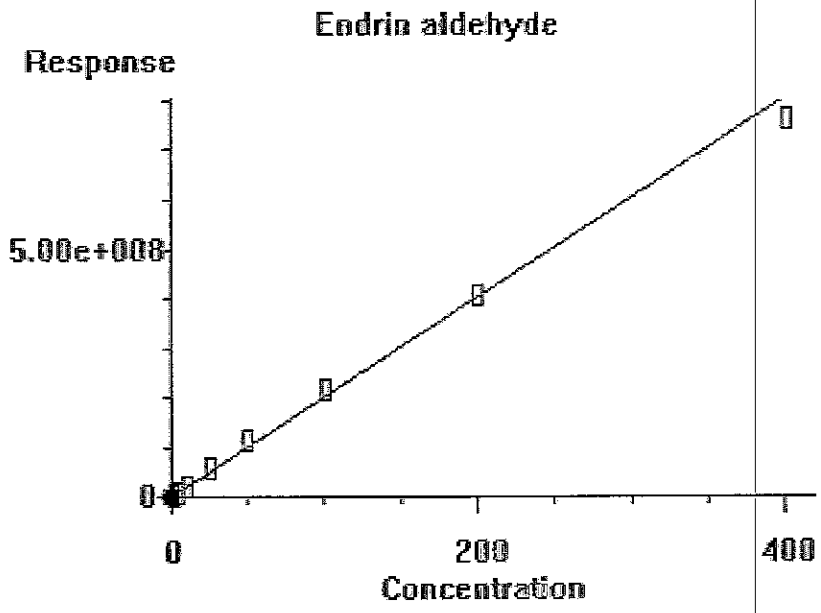
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	2601027.103912
2	2.000000	4341010.523041
3	5.000000	11223202.60588
4	10.000000	22219481.16230
5	25.000000	58241240.336845
6	50.000000	115562256.40248
7	100.000000	219348444.36195
8	200.000000	408983469.39583
9	400.000000	763388303.5439

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Linear Regression
Weight	Inverse of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound #21 -- Methoxychlor

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- HCBD
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC
- gamma-BHC
- beta-BHC
- delta-BHC
- Heptachlor
- Aldrin
- Heptachlor epoxide
- gamma-Chlordane
- alpha-Chlordane
- 4,4'-DDE
- Endosulfan I
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Methoxychlor
- Endosulfan sulfate
- Endrin ketone
- Decachlorobiphenyl
- Toxaphene(1)
- Toxaphene(2)
- Toxaphene(3)
- Toxaphene(4)
- Toxaphene(5)
- Tech Chlordane(1)
- Tech Chlordane(2)
- Tech Chlordane(3)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Methoxychlor | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 6.439 | RRT: 0.000

Extract signals from

- 0.030 + 0.030 (Min / %)

This is 6.409 to 6.469 minutes

Quant signal: TIC | % Uncertainty

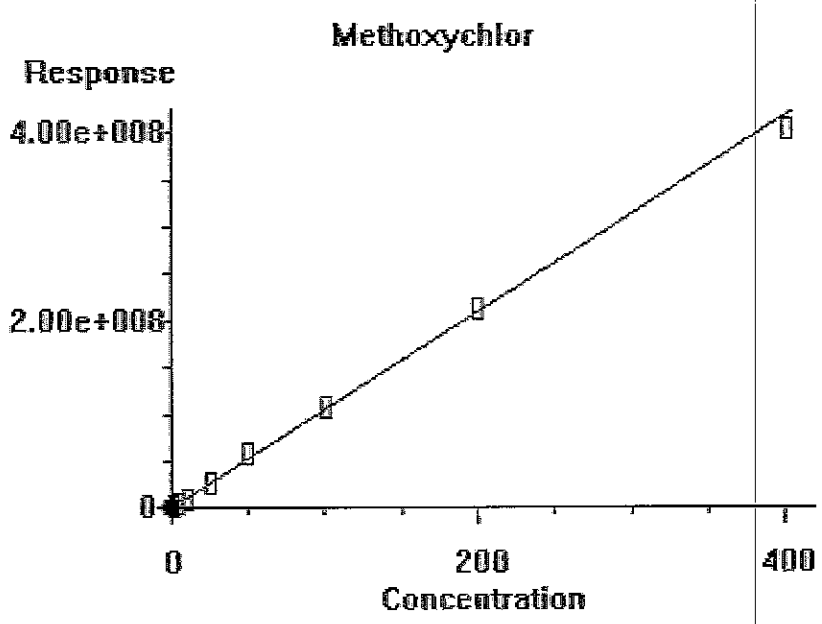
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	1370528.586146
2	2.000000	2309764.116228
3	5.000000	5629316.979594
4	10.000000	10726034.893084
5	25.000000	27891742.485668
6	50.000000	57621490.982639
7	100.000000	108979279.1775
8	200.000000	214039692.04243
9	400.000000	403727463.21838

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Linear Regression
Weight	Inverse of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound #22 -- Endosulfan sulfate

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp.
- HCBD
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC
- gamma-BHC
- beta-BHC
- delta-BHC
- Heptachlor
- Aldrin
- Heptachlor epoxide
- gamma-Chlordane
- alpha-Chlordane
- 4,4'-DDE
- Endosulfan I
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Methoxychlor
- Endosulfan sulfate
- Endrin ketone
- Decachlorobiphenyl
- Toxaphene(1)
- Toxaphene(2)
- Toxaphene(3)
- Toxaphene(4)
- Toxaphene(5)
- Tech Chlordane(1)
- Tech Chlordane(2)
- Tech Chlordane(3)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Endosulfan sulfate | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 6.646 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 | Min | %

This is 6.626 to 6.666 minutes

Quant signal: TIC | % Uncertainty

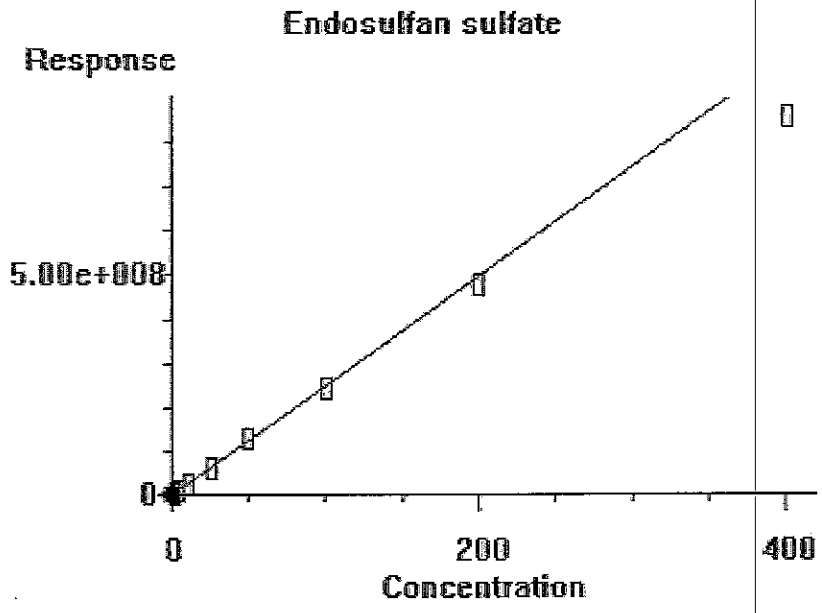
m/z | Relative Response: Rel

Target			
	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	2771293.011910
2	2.000000	4947382.796374
3	5.000000	12536822.741206
4	10.000000	24459433.583774
5	25.000000	63328477.867833
6	50.000000	128317651.55038
7	100.000000	245890245.60456
8	200.000000	477864805.36287
9	400.000000	857042660.97176

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Equal weighting



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #23 -- Endrin ketone

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- HCBD
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC
- gamma-BHC
- beta-BHC
- delta-BHC
- Heptachlor
- Aldrin
- Heptachlor epoxide
- gamma-Chlordane
- alpha-Chlordane
- 4,4'-DDE
- Endosulfan I
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Methoxychlor
- Endosulfan sulfate
- Endrin ketone
- Decachlorobiphenyl
- Toxaphene(1)
- Toxaphene(2)
- Toxaphene(3)
- Toxaphene(4)
- Toxaphene(5)
- Tech Chlordane(1)
- Tech Chlordane(2)
- Tech Chlordane(3)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Endrin ketone | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 6.850 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 (Min / %)

This is 6.830 to 6.870 minutes

Quant signal: TIC | % Uncertainty

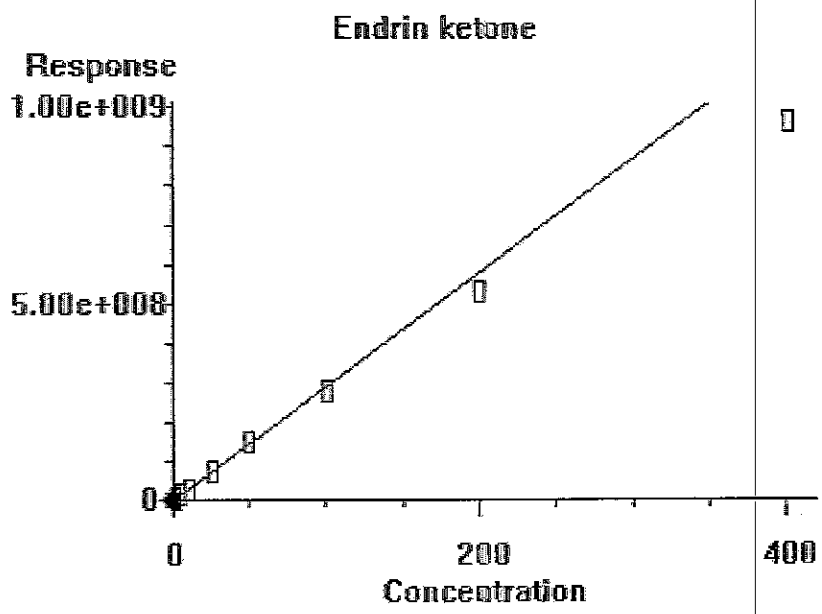
m/z | Relative Response: Rel

Target			
TIC	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	3356802.662801
2	2.000000	5724579.888169
3	5.000000	14796313.776952
4	10.000000	28617389.230049
5	25.000000	76234865.047952
6	50.000000	151867185.30181
7	100.000000	281761858.88608
8	200.000000	533001655.10233
9	400.000000	961949401.49375

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

pounds -- Compound #24 -- Decachlorobiphenyl

Search by: Ret Time | Name | Index | Find Compound

Compound Database
External Standard Comp
- HCBD
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC
- gamma-BHC
- beta-BHC
- delta-BHC
- Heptachlor
- Aldrin
- Heptachlor epoxide
- gamma-Chlordane
- alpha-Chlordane
- 4,4'-DDE
- Endosulfan I
- Dieldrin
- Endrin
- 4,4'-DDD
- Endosulfan II
- 4,4'-DDT
- Endrin aldehyde
- Methoxychlor
- Endosulfan sulfate
- Endrin ketone
- Decachlorobiphenyl
- Toxaphene(1)
- Toxaphene(2)
- Toxaphene(3)
- Toxaphene(4)
- Toxaphene(5)
- Tech Chlordane(1)
- Tech Chlordane(2)
- Tech Chlordane(3)

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Decachlorobiphenyl | Concentration Units: ppb | Compound Type: S

Signals to Be Used for Quantitation

Ret Time: 7.525 | RRT: 0.000

Extract signals from: - 0.030 + 0.030 (Min / %)

This is 7.495 to 7.555 minutes

Quant signal: TIC | % Uncertainty

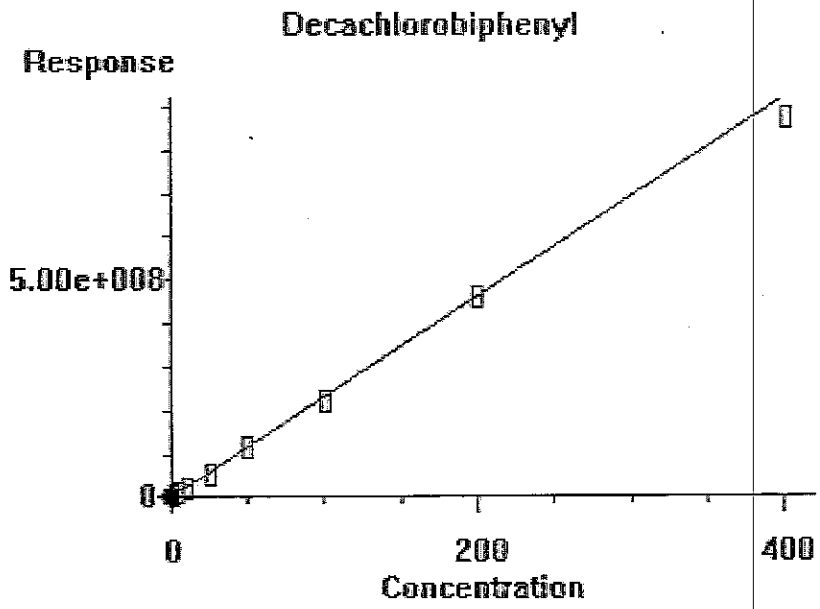
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Level	Concentration	Response
1	1.000000	2828623.777344
2	2.000000	4783721.916558
3	5.000000	11085323.50836
4	10.000000	21317831.53438
5	25.000000	55309312.02616
6	50.000000	115720819.4423
7	100.000000	224319938.4428
8	200.000000	461907742.5999
9	400.000000	874732636.4934

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #36 -- HCBD #2

Search by: Ret Time | Name | Index | Find Compound

- HCBD #2
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide :
- gamma-Chlordane #:
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- Dieldrin #2
- Endrin #2
- 4,4'-DDD #2
- Endosulfan II #2
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) #
- Tech Chlordane(2) #
- Tech Chlordane(3) #
- Tech Chlordane(4) #
- Tech Chlordane(5) #

Identification | Calibration | User-Defined | Advanced | Reporting

Name: HCBD #2 | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 1.299 | RRT: 0.000

Extract signals from: - 0.020 + 0.040 (Min / %)

This is 1.279 to 1.339 minutes

Quant signal: TIC | % Uncertainty

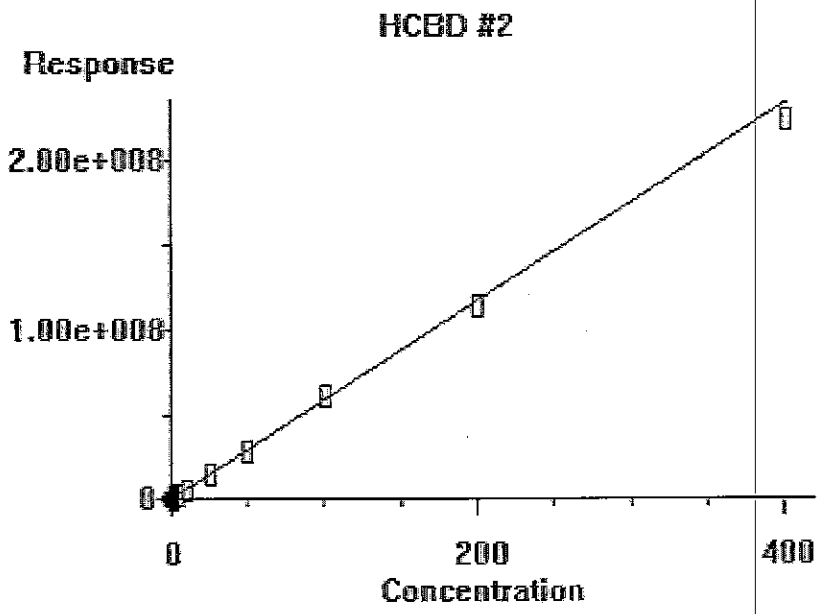
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.50	0.50
Q2	0.00	0.50	0.50
Q3	0.00	0.50	0.50

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Best RT Match
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc

Level	Concentration	Response
1	1.000000	656381.997489
2	2.000000	1140634.861430
3	5.000000	2840169.505891
4	10.000000	5590685.748362
5	25.000000	14512867.57427
6	50.000000	28727956.55137
7	100.000000	60788501.094507
8	200.000000	114176235.93683
9	400.000000	223542387.61929



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #37 -- Tetrachloro-m-xylene #2

Search by: Ret Time | Name | Index | Find Compound

- HCBD #2
- Tetrachloro-m-xylene #2
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide :
- gamma-Chlordane #
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- Dieldrin #2
- Endrin #2
- 4,4'-DDD #2
- Endosulfan II #2
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) #
- Tech Chlordane(2) #
- Tech Chlordane(3) #
- Tech Chlordane(4) #
- Tech Chlordane(5) #

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Tetrachloro-m-xylene #2 | Concentration Units: ppb | Compound Type: S

Signals to Be Used for Quantitation

Ret Time: 3.137 | RRT: 0.000

Extract signals from: - 0.049 + 0.049 (Min / %)

This is 3.088 to 3.186 minutes

Quant signal: TIC | % Uncertainty

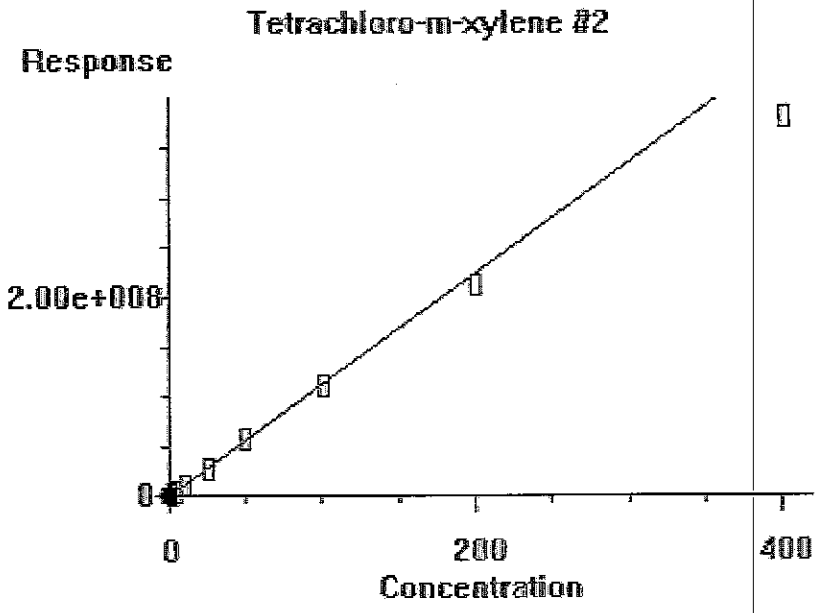
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc

Level	Concentration	Response
1	1.000000	1411432.737443
2	2.000000	2240058.800191
3	5.000000	5467068.416283
4	10.000000	10746096.643179
5	25.000000	28100130.478199
6	50.000000	56606108.837378
7	100.000000	109759663.16422
8	200.000000	212631754.10328
9	400.000000	380610910.44685



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #38 -- Hexachlorobenzene #2

Search by: Ret Time | Name | Index | Find Compound

- HCBD #2
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide :
- gamma-Chlordane #:
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- Dieldrin #2
- Endrin #2
- 4,4'-DDD #2
- Endosulfan II #2
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) #
- Tech Chlordane(2) #
- Tech Chlordane(3) #
- Tech Chlordane(4) #
- Tech Chlordane(5) #

Identification | Calibration | User-Defined | Advanced | Reporting

Name: Hexachlorobenzene #2 | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 3.544 | RRT: 0.000

Extract signals from: - 0.020 + 0.020 (Min / %)

This is 3.524 to 3.564 minutes

Quant signal: TIC | % Uncertainty

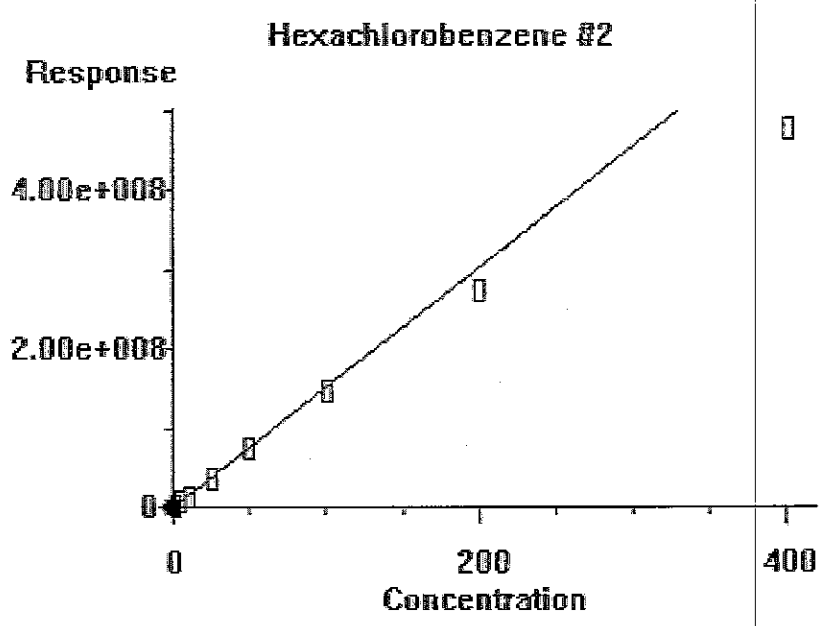
m/z | Relative Response: Rel

Target	TIC	100.00	
Q1	0.00	2.40	2.40
Q2	0.00	2.40	2.40
Q3	0.00	2.40	2.40

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Best RT Match
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc

Level	Concentration	Response
1	1.000000	1980035.889188
2	2.000000	3168256.723602
3	5.000000	7663419.247542
4	10.000000	14851189.296127
5	25.000000	38346728.904083
6	50.000000	76236043.922907
7	100.000000	146875174.56899
8	200.000000	274180482.22826
9	400.000000	477516230.90516



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #39 -- alpha-BHC #2

Search by: Ret Time | Name | Index | Find Compound

- HCBD #2
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide :
- gamma-Chlordane #
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- Dieldrin #2
- Endrin #2
- 4,4'-DDD #2
- Endosulfan II #2
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) #
- Tech Chlordane(2) #
- Tech Chlordane(3) #
- Tech Chlordane(4) #
- Tech Chlordane(5) #

Identification | Calibration | User-Defined | Advanced | Reporting

Name: alpha-BHC #2 | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 3.662 | RRT: 0.000

Extract signals from

- 0.020 + 0.020 (Min / %)

This is 3.642 to 3.682 minutes

Quant signal: TIC | % Uncertainty

m/z | Relative Response: Rel

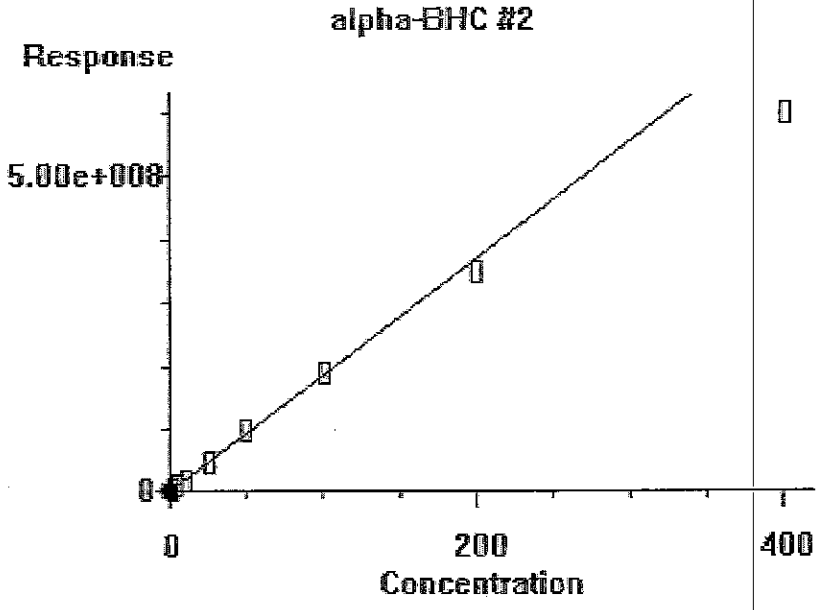
Target

TIC	100.00		
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse of conc

Level	Concentration	Response
1	1.000000	2118521.418197
2	2.000000	3576834.537225
3	5.000000	9358168.407785
4	10.000000	18559494.819442
5	25.000000	48393541.09819
6	50.000000	98510141.288910
7	100.000000	188939680.35629
8	200.000000	349394094.98622
9	400.000000	600697525.70516



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

ipounds -- Compound #40 -- gamma-BHC #2

Search by: Ret Time | Name | Index | Find Compound

- HCBD #2
- Tetrachloro-m-xylene
- Hexachlorobenzene
- alpha-BHC #2
- gamma-BHC #2
- beta-BHC #2
- delta-BHC #2
- Heptachlor #2
- Aldrin #2
- Heptachlor epoxide :
- gamma-Chlordane #:
- alpha-Chlordane #2
- 4,4'-DDE #2
- Endosulfan I #2
- Dieldrin #2
- Endrin #2
- 4,4'-DDD #2
- Endosulfan II #2
- 4,4'-DDT #2
- Endrin aldehyde #2
- Methoxychlor #2
- Endosulfan sulfate #
- Endrin ketone #2
- Decachlorobiphenyl
- Toxaphene(1) #2
- Toxaphene(2) #2
- Toxaphene(3) #2
- Toxaphene(4) #2
- Toxaphene(5) #2
- Tech Chlordane(1) #
- Tech Chlordane(2) #
- Tech Chlordane(3) #
- Tech Chlordane(4) #
- Tech Chlordane(5) #

Identification | Calibration | User-Defined | Advanced | Reporting

Name: gamma-BHC #2 | Concentration Units: ppb | Compound Type: A

Signals to Be Used for Quantitation

Ret Time: 3.956 | RRT: 0.000

Extract signals from: - 0.020 + 0.020 (Min / %)

This is 3.936 to 3.976 minutes

Quant signal: TIC | % Uncertainty

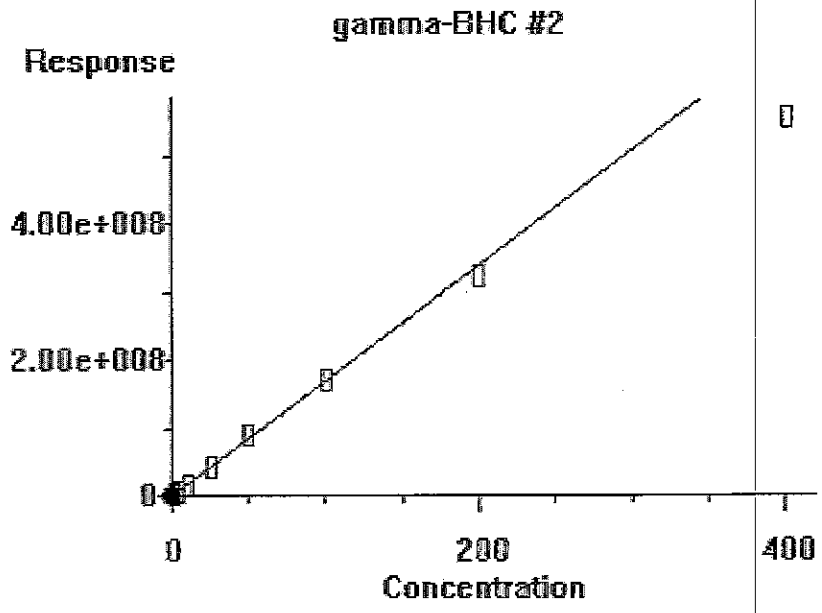
m/z | Relative Response: Rel

Target			
	TIC	100.00	
Q1	0.00	0.00	20.00
Q2	0.00	0.00	20.00
Q3	0.00	0.00	20.00

Quantitation Options

Quantitation type	Target compound
Sample ISTD Concentration	-1.000000
Measure response by	Height
Identify by	Meets qualifiers, Best RT
Maximum number of hits	1
Subtraction Method	Extend Area Quant
Curve Fit	Avg of Response Factors
Weight	Inverse square of conc

Level	Concentration	Response
1	1.000000	1951415.573935
2	2.000000	3270348.032729
3	5.000000	8446312.502692
4	10.000000	16911845.91603
5	25.000000	44562845.724026
6	50.000000	89875721.788938
7	100.000000	171567214.22683
8	200.000000	325308078.13834
9	400.000000	556866446.72885



OK | Cancel | Help | Print Calibration Curve | Copy Calibration Curve

Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Frank\DATA\F230505\
Data File : F0505022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 May 2023 14:29
Operator : LAD
Sample : PEST IC 1.0 PPB (PS5-018-15)
Misc :
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 09:14:57 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
2) S	Tetrachlo...	3.073	2.851	3550180	1411433	1.159	1.262	
Spiked Amount	100.000			Recovery	=	1.16%	1.26%	
24) S	Decachlor...	7.242	7.212	2942566	1549390	1.271	1.325	
Spiked Amount	100.000			Recovery	=	1.27%	1.33%	
	Target Compounds							
1) A	HCBD	1.533	1.361	1751151	656382	1.030	1.126	
3) A	Hexachlor...	3.424	3.259	4337852	1980036	1.179	1.303	
4) A	alpha-BHC	3.576	3.382	4954019	2118521	1.064	1.143	
5) A	gamma-BHC	3.849	3.675	4682509	1951416	1.085	1.149	
6) A	beta-BHC	3.924	3.749	2133579	953306	1.149	1.245	
7) A	delta-BHC	4.070	3.979	4445927	1834430	1.027	1.102	
8) A	Heptachlor	4.238	4.027	4248017	1681452	1.138	1.186	
9) A	Aldrin	4.476	4.274	4041519	1827962	1.084	1.193	
10) A	Heptachlo...	4.944	4.703	3375260	1576297	1.124	1.213	
11) A	gamma-Chl...	5.036	4.843	3102804	1599930	0.999	1.171	
12) A	alpha-Chl...	5.134	4.949	2956900	1568816	1.016	1.215	
13) A	4,4'-DDE	5.191	5.082	2968704	1608076	0.964	1.185	
14) A	Endosulfan I	5.236	4.985	2805241	1469826	1.048	1.263	
15) A	Dieldrin	5.411	5.181	2890623	1597950	0.941	1.182	#
16) A	Endrin	5.580	5.393	3219841	1437089	1.106	1.235	
17) A	4,4'-DDD	5.624	5.488	3003295	1309749	1.067	1.161	
18) A	Endosulfa...	5.741	5.543	3301487	1422797	1.148	1.244	
19) A	4,4'-DDT	5.823	5.708	2489464	766095	1.098	0.988	
20) A	Endrin al...	6.042	5.780	2601027	1198350	0.788	0.677	
21) A	Methoxychlor	6.162	6.188	1370529	478825	0.926	1.248	#
22) A	Endosulfa...	6.352	5.975	2771299	1403465	1.119	1.304	
23) A	Endrin ke...	6.551	6.339	3356803	1519072	1.161	1.269	
27) L8	Toxaphene{3}	6.042	0.000	2601027	0	231.754	N.D.	#
28) L8	Toxaphene{4}	6.352	6.188	2771299	478825	221.053	267.699	
Sum	Toxaphene			5372326	478825	452.807	267.699	
Average	Toxaphene					226.404	267.699	
32) L9	Tech Chlo...	5.134	0.000	2956900	0	109.716	N.D.	#
33) L9	Tech Chlo...	5.191	4.985	2968704	1469826	101.047	123.347	
34) L9	Tech Chlo...	5.741	0.000	3301487	0	115.444	N.D.	#
Sum	Tech Chlordane			9227091	1469826	326.206	123.347	
Average	Tech Chlordane					108.735	123.347	

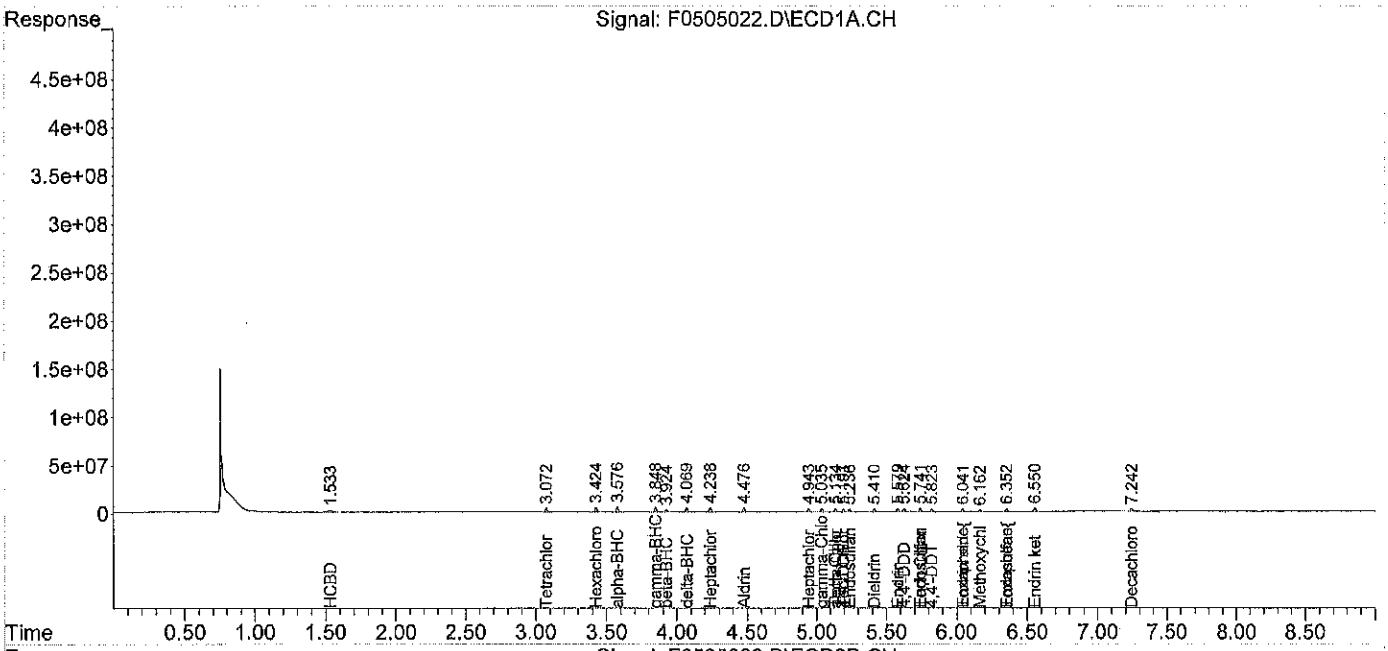
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

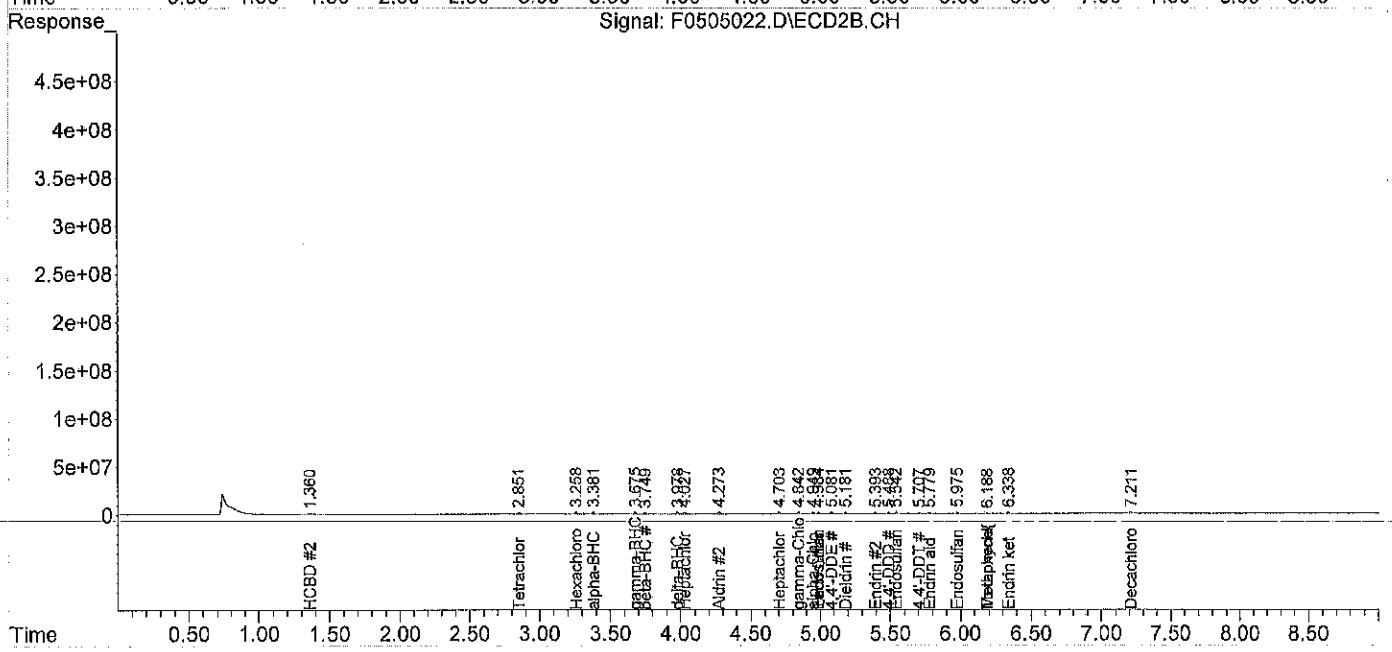
Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Frank\DATA\F230505\
Data File : F0505022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 May 2023 14:29
Operator : LAD
Sample : PEST IC 1.0 PPB (PS5-018-15)
Misc :
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 09:14:57 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Frank\DATA\F230505\
Data File : F0505023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 May 2023 14:42
Operator : LAD
Sample : PEST IC 2.0 PPB (PS5-018-16)
Misc :
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 09:15:05 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

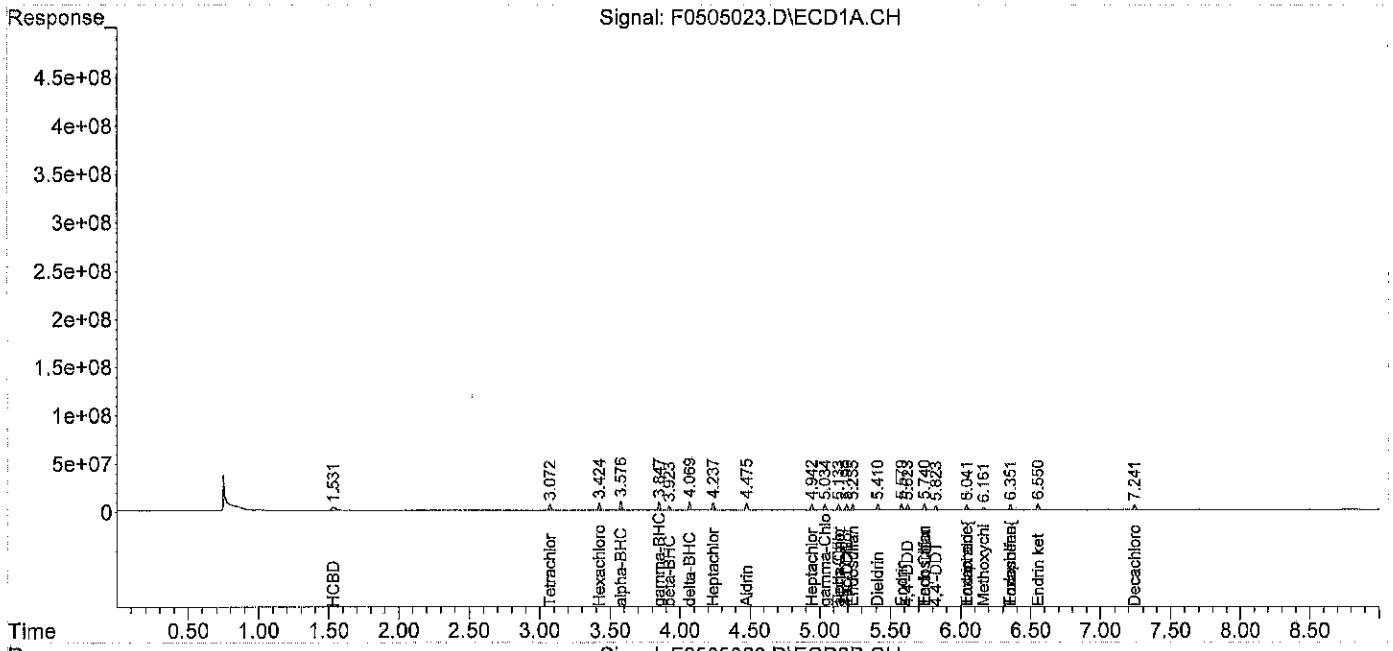
	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
2) S	Tetrachlo...	3.072	2.851	5588651	2240059	1.825	2.002	
Spiked Amount	100.000			Recovery	=	1.83%	2.00%	
24) S	Decachlor...	7.241	7.211	4783722	2605471	2.067	2.228	
Spiked Amount	100.000			Recovery	=	2.07%	2.23%	
	Target Compounds							
1) A	HCBD	1.531	1.361	3051323	1140635	1.795	1.957	
3) A	Hexachlor...	3.424	3.259	7103263	3168267	1.930	2.085	
4) A	alpha-BHC	3.576	3.382	8509648	3576835	1.828	1.930	
5) A	gamma-BHC	3.848	3.675	7888118	3270348	1.828	1.926	
6) A	beta-BHC	3.924	3.749	3590702	1585265	1.933	2.071	
7) A	delta-BHC	4.069	3.979	7890363	3146239	1.823	1.891	
8) A	Heptachlor	4.237	4.028	7277163	2853884	1.949	2.013	
9) A	Aldrin	4.475	4.273	6880062	3023194	1.845	1.973	
10) A	Heptachlo...	4.943	4.703	5900853	2644428	1.965	2.035	
11) A	gamma-Chl...	5.035	4.843	5740409	2713966	1.847	1.987	
12) A	alpha-Chl...	5.134	4.949	5458294	2606130	1.876	2.019	
13) A	4,4'-DDE	5.191	5.082	5585382	2758912	1.813	2.034	
14) A	Endosulfan I	5.235	4.984	5163122	2418090	1.930	2.078	
15) A	Dieldrin	5.411	5.181	5553958	2792247	1.808	2.065	
16) A	Endrin	5.580	5.394	5818888	2436980	1.999	2.094	
17) A	4,4'-DDD	5.624	5.489	5164074	2206229	1.835	1.956	
18) A	Endosulfa...	5.741	5.543	5635070	2410947	1.960	2.108	
19) A	4,4'-DDT	5.823	5.708	4046040	1276377	1.785	1.646	
20) A	Endrin al...	6.042	5.780	4341011	2030528	1.652	1.701	
21) A	Methoxychlor	6.161	6.188	2309764	757908	1.825	1.985	
22) A	Endosulfa...	6.351	5.975	4947383	2366317	1.998	2.198	
23) A	Endrin ke...	6.550	6.340	5724680	2514475	1.981	2.101	
27) L8	Toxaphene(3)	6.042	0.000	4341011	0	386.789	N.D.	#
28) L8	Toxaphene(4)	6.351	6.188	4947383	757908	394.628	423.727	
Sum	Toxaphene			9288393	757908	781.417	423.727	
Average	Toxaphene					390.709	423.727	
32) L9	Tech Chlo...	5.134	0.000	5458294	0	202.530	N.D.	#
33) L9	Tech Chlo...	5.191	4.984	5585382	2418090	190.112	202.925	
34) L9	Tech Chlo...	5.741	0.000	5635070	0	197.043	N.D.	#
Sum	Tech Chlordane			16678746	2418090	589.684	202.925	
Average	Tech Chlordane					196.561	202.925	

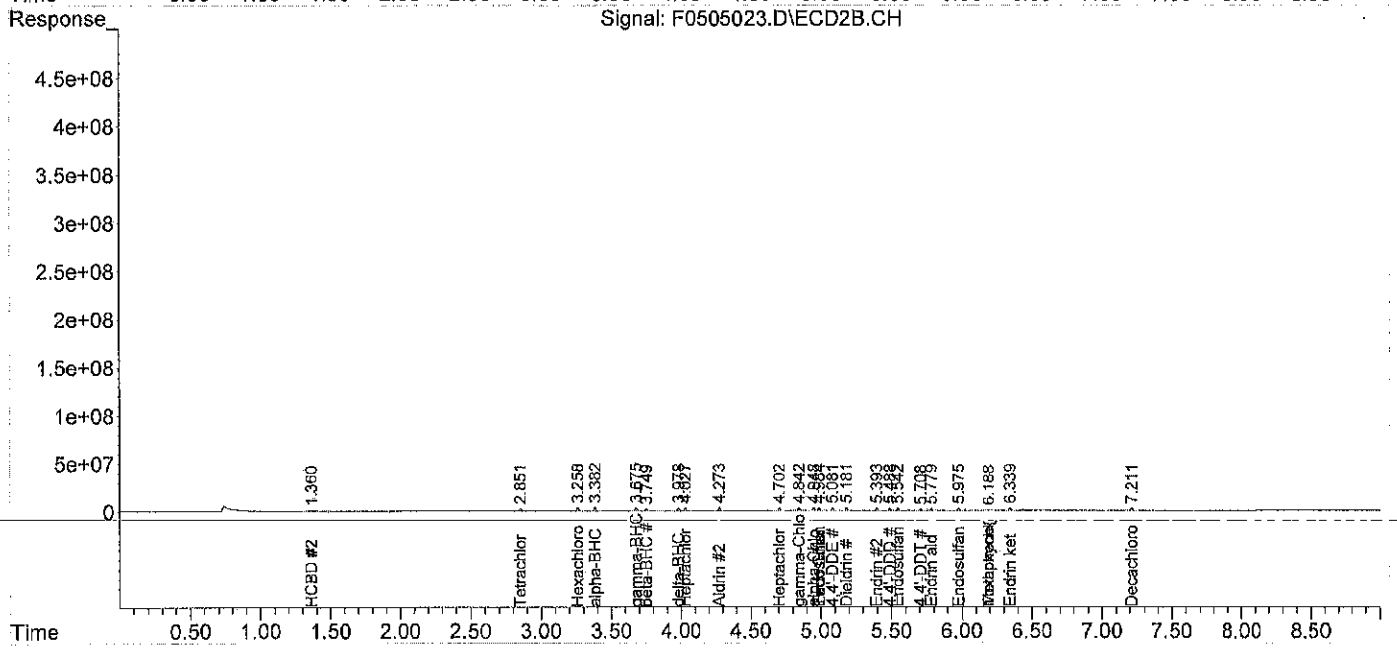
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : X:\PEST\Frank\DATA\F230505\
Data File : F0505023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 May 2023 14:42
Operator : LAD
Sample : PEST IC 2.0 PPB (PS5-018-16)
Misc :
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 09:15:05 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Frank\DATA\F230505\
Data File : F0505024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 May 2023 14:54
Operator : LAD
Sample : PEST IC 5.0 PPB (PS5-018-17)
Misc :
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 09:15:09 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
2) S	Tetrachlo...	3.072	2.852	14213367	5467068	4.641	4.887	
Spiked Amount	100.000			Recovery	=	4.64%	4.89%	
24) S	Decachlor...	7.241	7.211	11085324	5842715	4.789	4.995	
Spiked Amount	100.000			Recovery	=	4.79%	5.00%	
	Target Compounds							
1) A	HCBD	1.533	1.362	7868117	2840170	4.628	4.873	
3) A	Hexachlor...	3.424	3.259	17142698	7663419	4.658	5.044	
4) A	alpha-BHC	3.576	3.382	22012596	9358168	4.729	5.050	
5) A	gamma-BHC	3.848	3.676	20196947	8446313	4.680	4.974	
6) A	beta-BHC	3.924	3.750	8712884	3718539	4.690	4.858	
7) A	delta-BHC	4.068	3.979	20578737	8050676	4.755	4.838	
8) A	Heptachlor	4.238	4.028	18713708	7075876	5.011	4.992	
9) A	Aldrin	4.475	4.274	18299088	7708740	4.907	5.030	
10) A	Heptachlo...	4.943	4.703	14591414	6453833	4.860	4.967	
11) A	gamma-Chl...	5.035	4.843	14706114	6824738	4.733	4.997	
12) A	alpha-Chl...	5.134	4.949	13475290	6381230	4.632	4.943	
13) A	4,4'-DDE	5.191	5.081	14689747	6800026	4.768	5.013	
14) A	Endosulfan I	5.235	4.985	13274890	5958077	4.961	5.120	
15) A	Dieldrin	5.411	5.181	15319398	6789606	4.986	5.022	
16) A	Endrin	5.579	5.393	14992054	5963104	5.150	5.125	
17) A	4,4'-DDD	5.624	5.488	13404699	5565227	4.763	4.935	
18) A	Endosulfa...	5.740	5.543	14299114	5728388	4.973	5.008	
19) A	4,4'-DDT	5.822	5.708	10430806	3250274	4.602	4.192	
20) A	Endrin al...	6.041	5.780	11223203	4809732	5.070	5.123	
21) A	Methoxychlor	6.161	6.188	5629317	1788672	5.001	4.707	
22) A	Endosulfa...	6.351	5.975	12536823	5363886	5.062	4.983	
23) A	Endrin ke...	6.550	6.339	14796314	6197685	5.119	5.179	
27) L8	Toxaphene{3}	6.041	0.000	11223203	0	1000.000	N.D.	#
28) L8	Toxaphene{4}	6.351	6.188	12536823	1788672	1000.000	1000.000	
Sum	Toxaphene			23760025	1788672	2000.000	1000.000	
Average	Toxaphene					1000.000	1000.000	
32) L9	Tech Chlo...	5.134	0.000	13475290	0	500.000	N.D.	#
33) L9	Tech Chlo...	5.191	4.985	14689747	5958077	500.000	500.000	
34) L9	Tech Chlo...	5.740	0.000	14299114	0	500.000	N.D.	#
Sum	Tech Chlordane			42464151	5958077	1500.000	500.000	
Average	Tech Chlordane					500.000	500.000	

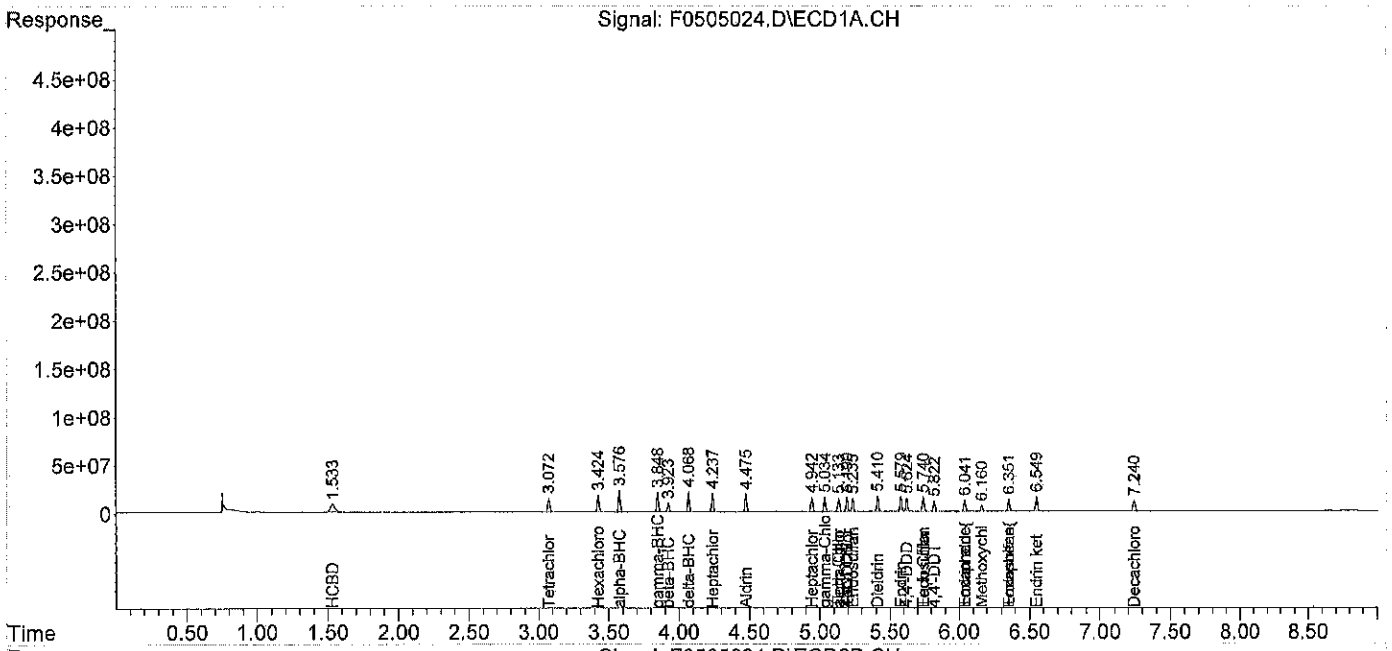
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

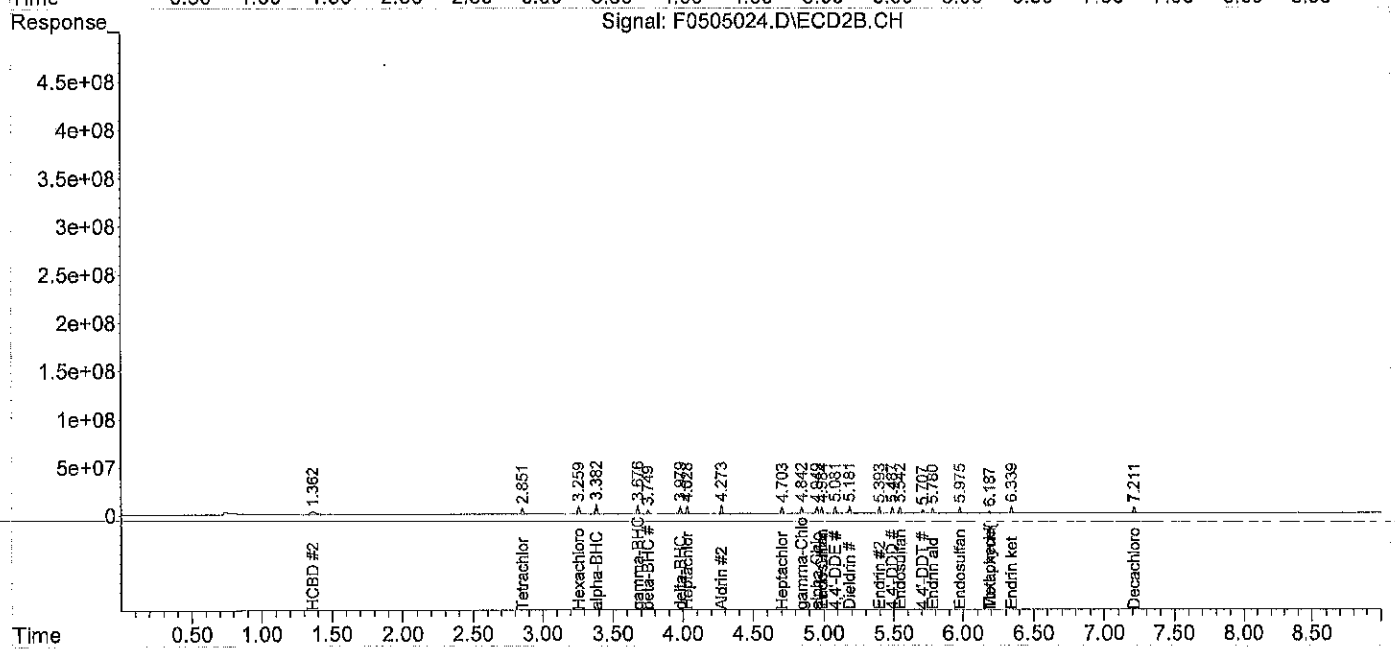
Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Frank\DATA\F230505\
Data File : F0505024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 May 2023 14:54
Operator : LAD
Sample : PEST IC 5.0 PPB (PS5-018-17)
Misc :
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 09:15:09 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Frank\DATA\F230505\
Data File : F0505025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 May 2023 15:06
Operator : LAD
Sample : PEST IC 10 PPB (PS5-018-18)
Misc :
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 09:15:12 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

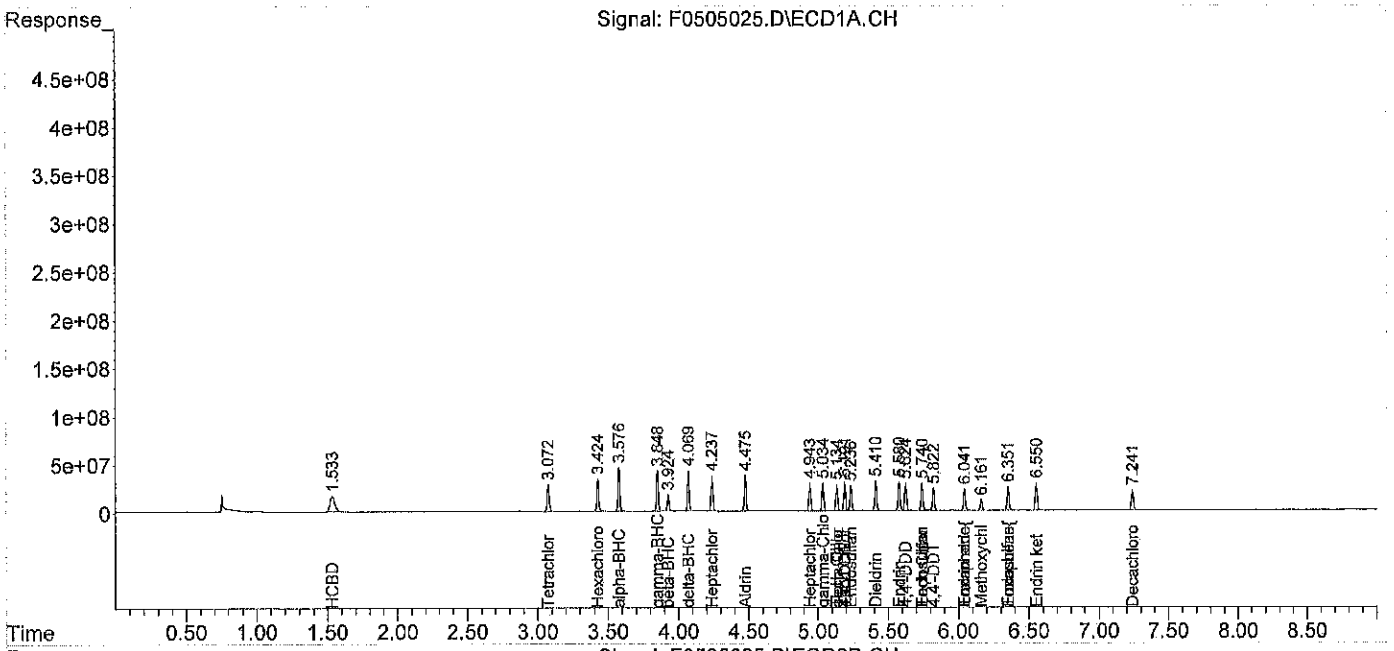
	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
2)	S Tetrachlo...	3.073	2.852	27995020	10746097	9.140	9.606	
	Spiked Amount 100.000			Recovery	=	9.14%	9.61%	
24)	S Decachlor...	7.241	7.211	21317832	11249013	9.209	9.617	
	Spiked Amount 100.000			Recovery	=	9.21%	9.62%	
	Target Compounds							
1)	A HCBD	1.533	1.362	15793829	5580686	9.289	9.575	
3)	A Hexachlor...	3.424	3.259	33432940	14851189	9.085	9.775	
4)	A alpha-BHC	3.577	3.382	45091428	18559495	9.687	10.015	
5)	A gamma-BHC	3.848	3.676	41986015	16911846	9.729	9.960	
6)	A beta-BHC	3.924	3.750	17137580	7208191	9.225	9.417	
7)	A delta-BHC	4.069	3.979	41690551	16349716	9.633	9.826	
8)	A Heptachlor	4.237	4.028	36580217	14286997	9.796	10.080	
9)	A Aldrin	4.476	4.274	36792963	15553415	9.866	10.149	
10)	A Heptachlo...	4.943	4.703	28737741	13083662	9.571	10.070	
11)	A gamma-Chl...	5.035	4.843	28995200	13356162	9.331	9.779	
12)	A alpha-Chl...	5.134	4.950	27191393	12496653	9.346	9.680	
13)	A 4,4'-DDE	5.191	5.082	29920440	13892867	9.712	10.241	
14)	A Endosulfan I	5.236	4.985	26106993	11499105	9.757	9.881	
15)	A Dieldrin	5.410	5.181	30507185	13723140	9.929	10.150	
16)	A Endrin	5.580	5.393	29813179	11521217	10.241	9.902	
17)	A 4,4'-DDD	5.624	5.489	28277245	11047939	10.047	9.797	
18)	A Endosulfa...	5.740	5.543	28188651	11285966	9.804	9.867	
19)	A 4,4'-DDT	5.823	5.708	23080256	6749893	10.184	8.706	
20)	A Endrin al...	6.042	5.780	22219481	9398937	10.531	10.772	
21)	A Methoxychlor	6.162	6.188	10726035	3462105	9.879	9.126	
22)	A Endosulfa...	6.351	5.975	24459434	10821673	9.877	10.054	
23)	A Endrin ke...	6.550	6.340	28617389	12108337	9.901	10.118	
27)	L8 Toxaphene{3}	6.042	5.833	22219481	255338	1979.781	NoCal	#
28)	L8 Toxaphene{4}	6.351	6.188	24459434	3462105	1951.007	1935.572	
	Sum Toxaphene			46678915	3462105	3930.788	1935.572	
Average	Toxaphene					1965.394	1935.572	
32)	L9 Tech Chlo...	5.134	0.000	27191393	0	1008.935	N.D.	#
33)	L9 Tech Chlo...	5.191	4.985	29920440	11499105	1018.412	965.001	
34)	L9 Tech Chlo...	5.740	0.000	28188651	0	985.678	N.D.	#
	Sum Tech Chlordane			85300483	11499105	3013.026	965.001	
Average	Tech Chlordane					1004.342	965.001	

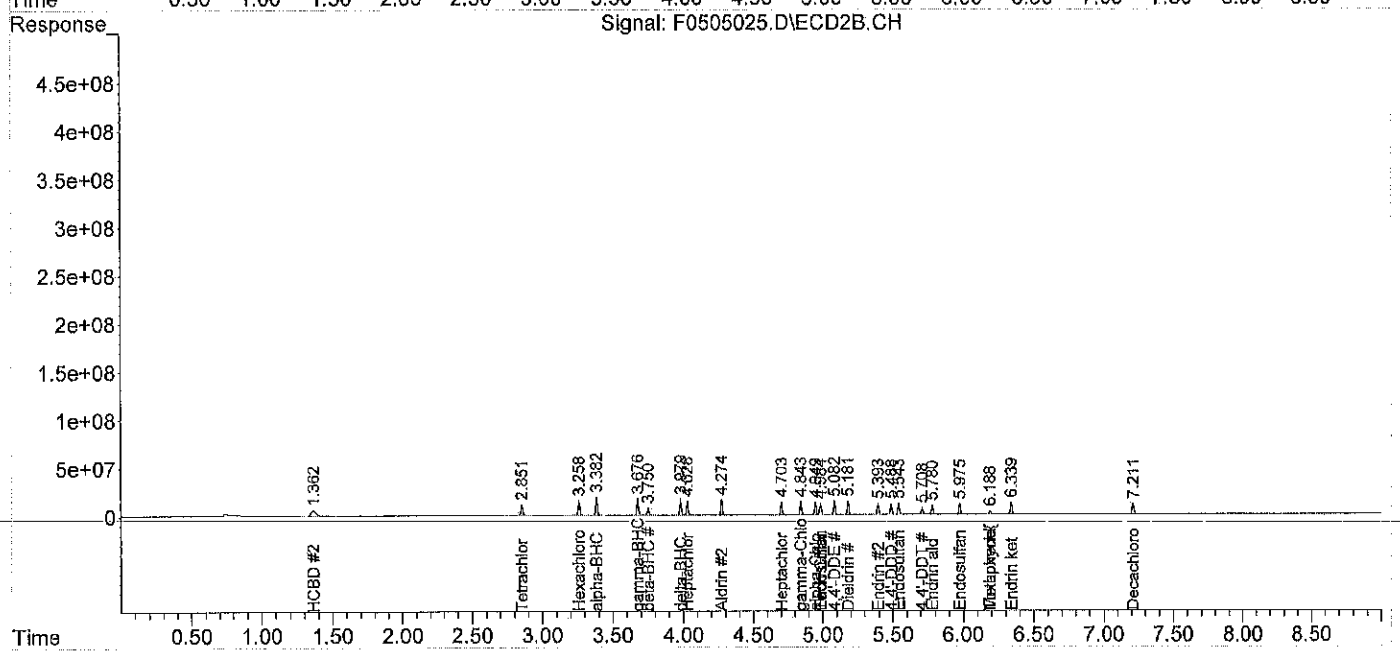
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : X:\PEST\Frank\DATA\F230505\
Data File : F0505025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 May 2023 15:06
Operator : LAD
Sample : PEST IC 10 PPB (PS5-018-18)
Misc :
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 09:15:12 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Frank\DATA\F230505\
Data File : F0505026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 May 2023 15:18
Operator : LAD
Sample : PEST IC 25 PPB (PS5-018-19)
Misc :
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 09:15:17 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

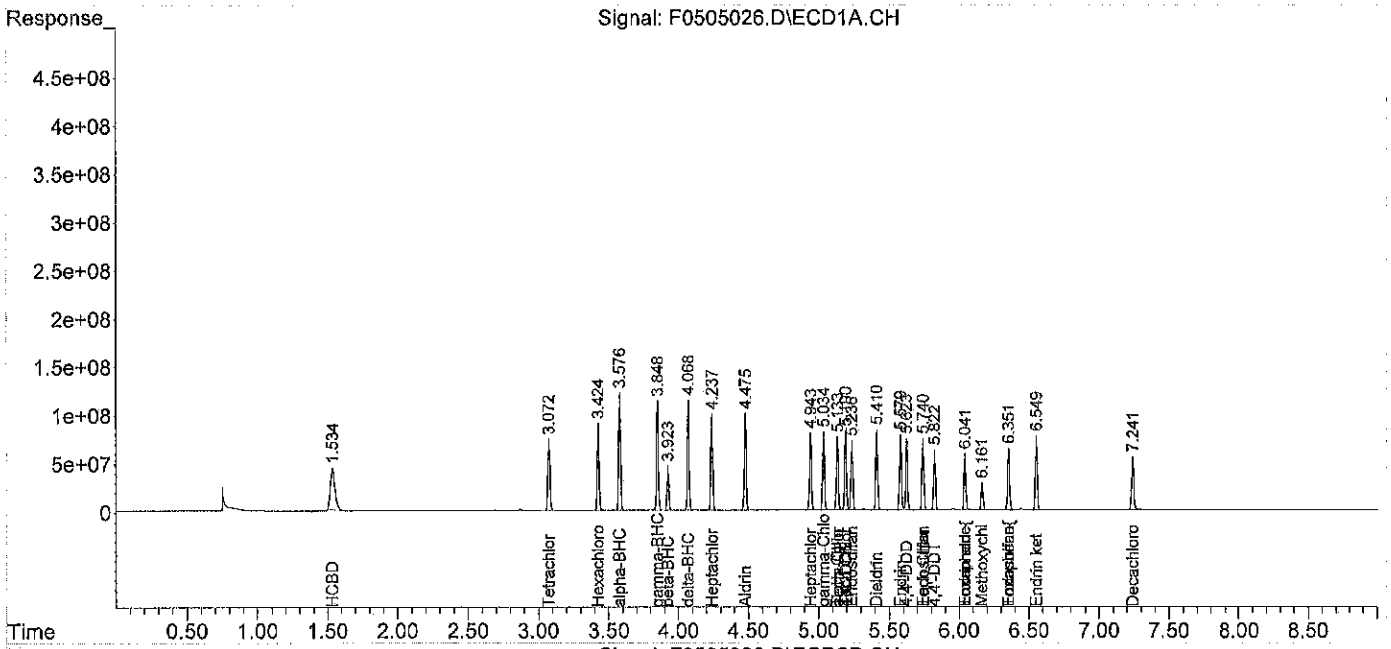
	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
2)	S Tetrachlo...	3.073	2.852	73826186	28100130	24.104	25.119	
	Spiked Amount 100.000			Recovery	=	24.10%	25.12%	
24)	S Decachlor...	7.241	7.212	55309312	28287306	23.893	24.184	
	Spiked Amount 100.000			Recovery	=	23.89%	24.18%	
	Target Compounds							
1)	A HCBD	1.534	1.363	43094586	14512868	25.347	24.901	
3)	A Hexachlor...	3.424	3.259	89690928	38346729	24.371	25.239	
4)	A alpha-BHC	3.576	3.382	121.8E6	48393541	26.167	26.114	
5)	A gamma-BHC	3.848	3.676	113.2E6	44562846	26.221	26.245	
6)	A beta-BHC	3.924	3.750	45741188	18681748	24.623	24.407	
7)	A delta-BHC	4.069	3.979	114.2E6	43678251	26.387	26.249	
8)	A Heptachlor	4.237	4.028	99575411	37277452	26.666	26.300	
9)	A Aldrin	4.476	4.274	99983398	40662614	26.811	26.534	
10)	A Heptachlo...	4.943	4.704	79398594	33555967	26.444	25.827	
11)	A gamma-Chl...	5.035	4.844	80810399	35277927	26.007	25.828	
12)	A alpha-Chl...	5.134	4.950	75534473	32859958	25.963	25.454	
13)	A 4,4'-DDE	5.191	5.082	81539466	36601341	26.467	26.981	
14)	A Endosulfan I	5.236	4.985	71296557	29703997	26.647	25.525	
15)	A Dieldrin	5.411	5.182	83140067	35947963	27.060	26.588	
16)	A Endrin	5.579	5.394	77460361	30166336	26.607	25.926	
17)	A 4,4'-DDD	5.624	5.489	73567038	28805964	26.139	25.544	
18)	A Endosulfa...	5.741	5.543	73523305	29479427	25.571	25.774	
19)	A 4,4'-DDT	5.823	5.708	62093649	18996968	27.398	24.502	
20)	A Endrin al...	6.041	5.780	58241240	24258216	28.420	29.066	
21)	A Methoxychlor	6.161	6.188	27891742	8752175	26.306	23.096	
22)	A Endosulfa...	6.351	5.975	63328478	26939680	25.572	25.029	
23)	A Endrin ke...	6.550	6.340	76234865	30717593	26.374	25.668	
27)	L8 Toxaphene{3}	6.041	5.833	58241240	692978	5189.360	NoCal	#
28)	L8 Toxaphene{4}	6.351	6.188	63328478	8752175	5051.398	4893.112	
	Sum Toxaphene			121.6E6	8752175	10240.758	4893.112	
Average	Toxaphene					5120.379	4893.112	
32)	L9 Tech Chlo...	5.134	0.000	75534473	0	2802.703	N.D.	#
33)	L9 Tech Chlo...	5.191	4.985	81539466	29703997	2775.387	2492.750	
34)	L9 Tech Chlo...	5.741	0.000	73523305	0	2570.904	N.D.	#
	Sum Tech Chlordane			230.6E6	29703997	8148.994	2492.750	
Average	Tech Chlordane					2716.331	2492.750	

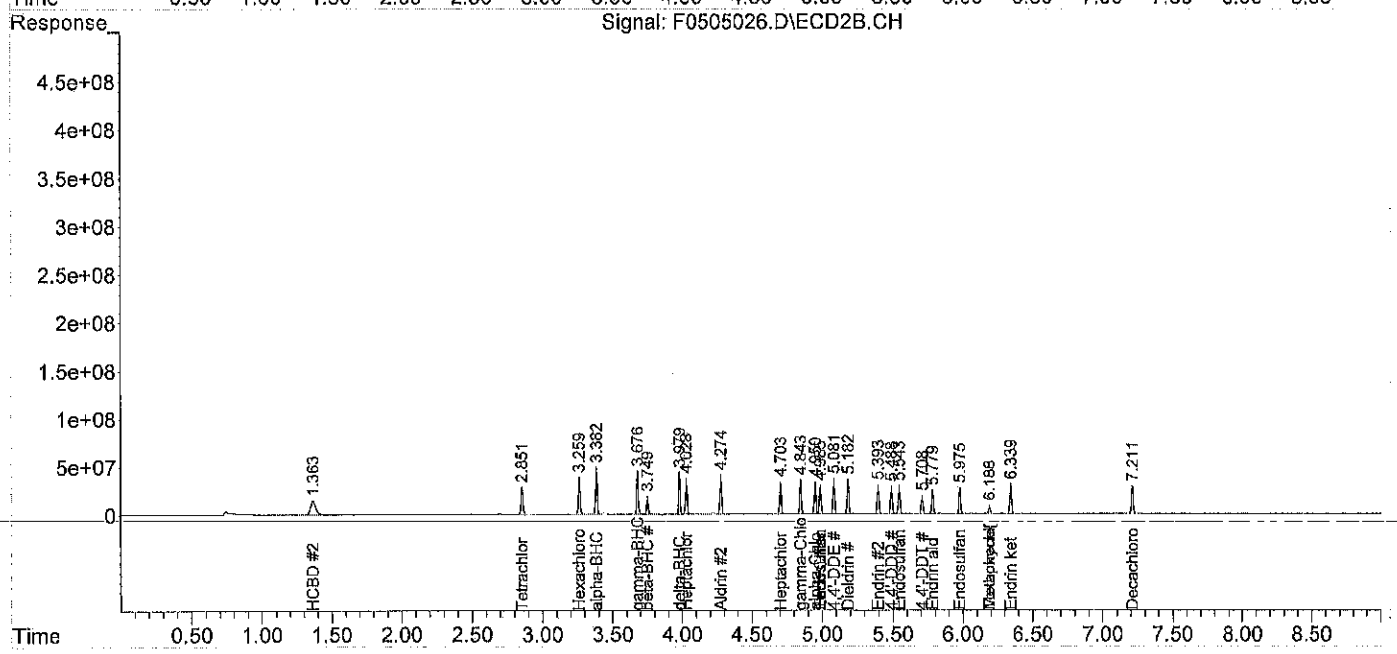
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : X:\PEST\Frank\DATA\F230505\
Data File : F0505026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 May 2023 15:18
Operator : LAD
Sample : PEST IC 25 PPB (PS5-018-19)
Misc :
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 09:15:17 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Frank\DATA\F230505\
Data File : F0505027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 May 2023 15:30
Operator : LAD
Sample : PEST IC 50 PPB (PS5-018-20)
Misc :
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 09:15:21 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
2) S	Tetrachlo...	3.073	2.852	153.9E6	56606109	50.247	50.601
	Spiked Amount 100.000			Recovery	=	50.25%	50.60%
24) S	Decachlor...	7.240	7.210	115.7E6	57184147	49.991	48.890
	Spiked Amount 100.000			Recovery	=	49.99%	48.89%
	Target Compounds						
1) A	HCBD	1.534	1.363	87772679	28727957	51.625	49.290
3) A	Hexachlor...	3.424	3.259	181.1E6	76236044	49.207	50.177
4) A	alpha-BHC	3.577	3.382	249.9E6	98510141	53.679	53.157
5) A	gamma-BHC	3.849	3.676	230.8E6	89875722	53.486	52.932
6) A	beta-BHC	3.924	3.750	94986219	37919112	51.131	49.540
7) A	delta-BHC	4.069	3.979	231.2E6	90293577	53.424	54.264
8) A	Heptachlor	4.238	4.028	199.9E6	73401154	53.534	51.786
9) A	Aldrin	4.476	4.274	199.7E6	80490804	53.550	52.524
10) A	Heptachlo...	4.943	4.703	160.8E6	67495316	53.542	51.949
11) A	gamma-Chl...	5.035	4.843	168.6E6	71750739	54.267	52.531
12) A	alpha-Chl...	5.134	4.949	162.5E6	66286154	55.867	51.347
13) A	4,4'-DDE	5.191	5.081	169.3E6	65719770	54.970	48.445
14) A	Endosulfan I	5.236	4.985	144.6E6	58950351	54.056	50.657
15) A	Dieldrin	5.411	5.181	171.7E6	70256874	55.887	51.964
16) A	Endrin	5.579	5.393	153.7E6	59020722	52.791	50.724
17) A	4,4'-DDD	5.623	5.488	151.0E6	59484174	53.640	52.748
18) A	Endosulfa...	5.740	5.542	145.5E6	58254632	50.595	50.932
19) A	4,4'-DDT	5.823	5.707	101.7E6	41652078	44.879	53.722
20) A	Endrin al...	6.041	5.779	115.6E6	47846670	56.887	58.105
21) A	Methoxychlor	6.161	6.187	57621491	18350672	54.756	48.444
22) A	Endosulfa...	6.351	5.975	128.3E6	53565553	51.814	49.766
23) A	Endrin ke...	6.549	6.339	151.9E6	59213046	52.540	49.479
27) L8	Toxaphene{3}	6.041	5.832	115.6E6	1335734	10296.727	NoCal #
28) L8	Toxaphene{4}	6.351	6.187	128.3E6	18350672	10235.261	10259.381
	Sum Toxaphene			243.9E6	18350672	20531.988	10259.381
	Average Toxaphene					10265.994	10259.381
32) L9	Tech Chlo...	5.134	4.914	162.5E6	152674	6030.894	NoCal #
33) L9	Tech Chlo...	5.191	4.985	169.3E6	58950351	5764.158	4947.096
34) L9	Tech Chlo...	5.740	0.000	145.5E6	0	5086.836	N.D. #
	Sum Tech Chlordane			477.4E6	58950351	16881.888	4947.096
	Average Tech Chlordane					5627.296	4947.096

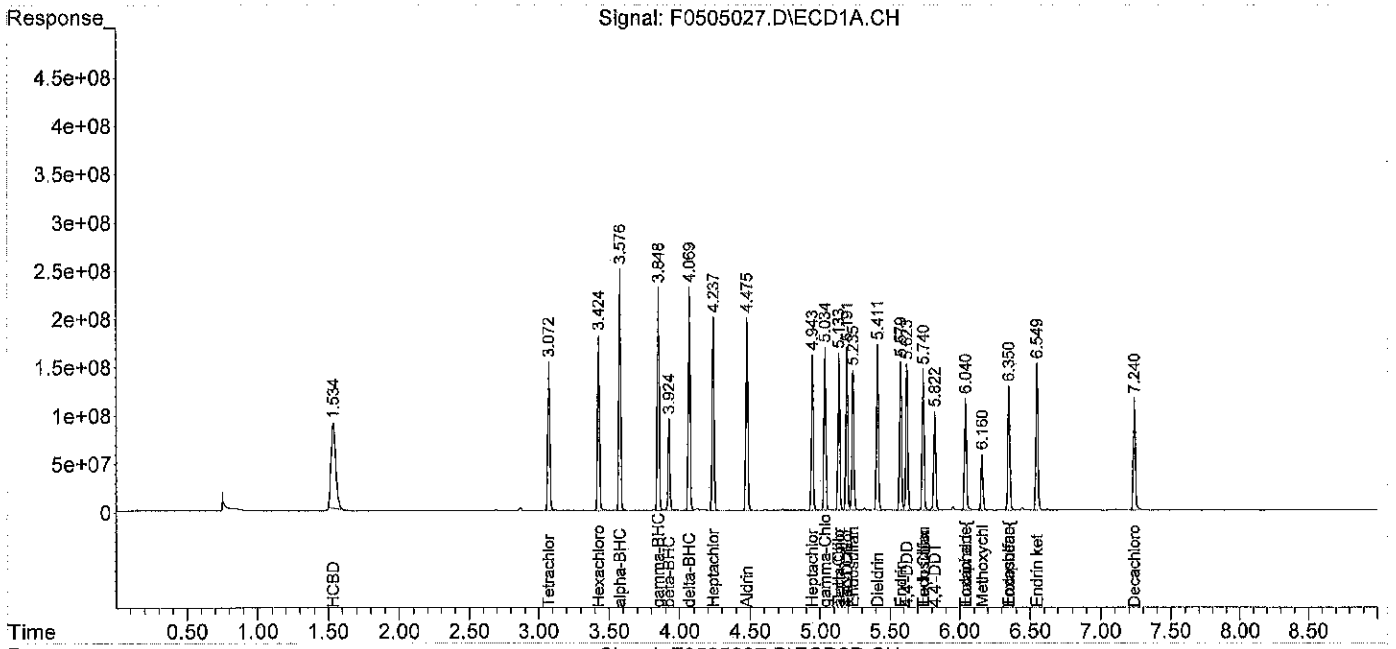
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

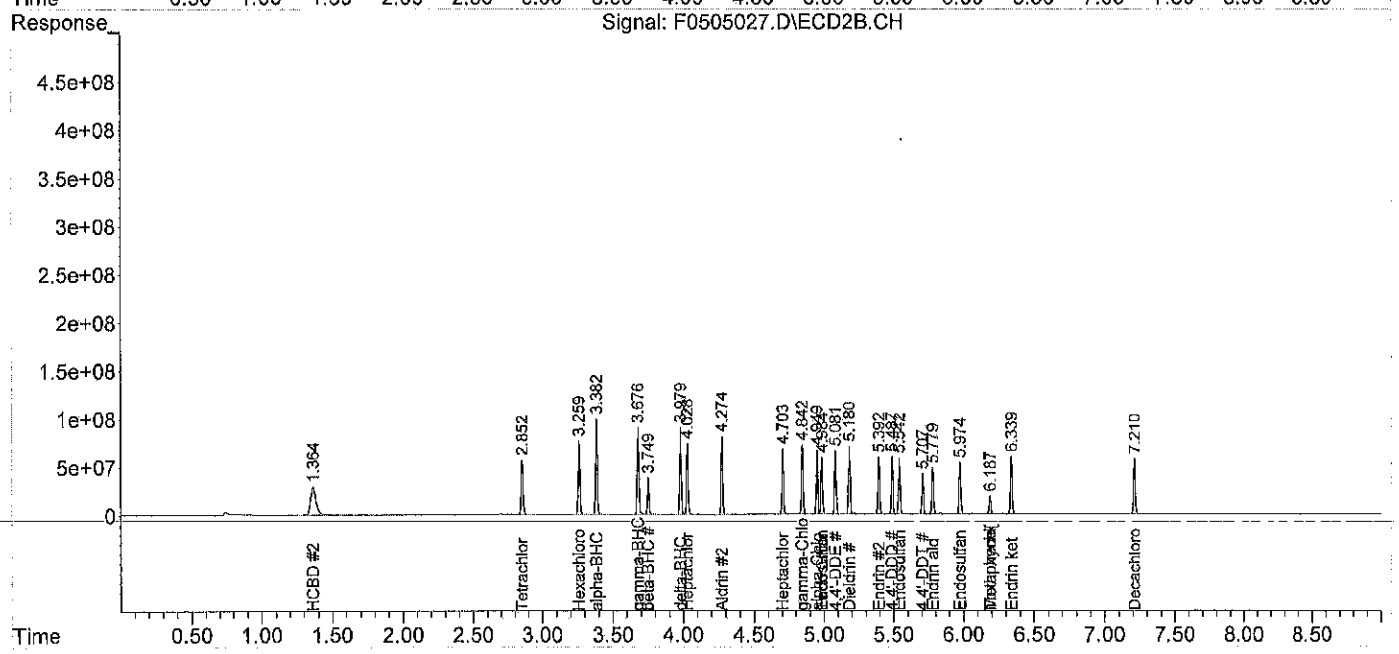
Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Frank\DATA\F230505\
Data File : F0505027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 May 2023 15:30
Operator : LAD
Sample : PEST IC 50 PPB (PS5-018-20)
Misc :
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 09:15:21 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Frank\DATA\F230505\
Data File : F0505028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 May 2023 15:43
Operator : LAD
Sample : PEST IC 100 PPB (PS5-018-21)
Misc :
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 09:15:24 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

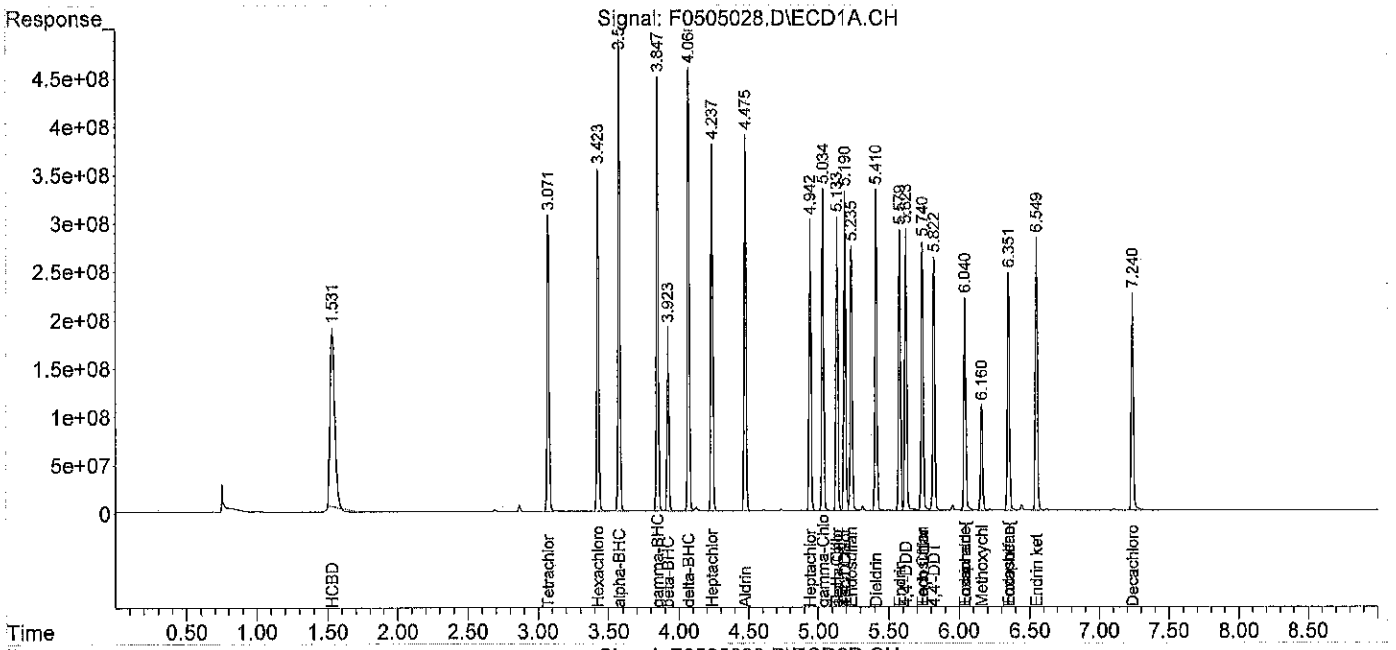
	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
2) S	Tetrachlo...	3.072	2.852	306.0E6	109.8E6	99.921	98.115
Spiked Amount	100.000			Recovery	=	99.92%	98.11%
24) S	Decachlor...	7.240	7.211	224.3E6	109.0E6	96.905	93.157
Spiked Amount	100.000			Recovery	=	96.91%	93.16%
	Target Compounds						
1) A	HCBD	1.532	1.361	184.3E6	60788501	108.378	104.298
3) A	Hexachlor...	3.424	3.259	354.2E6	146.9E6	96.237	96.671
4) A	alpha-BHC	3.576	3.382	487.4E6	188.9E6	104.692	101.955
5) A	gamma-BHC	3.848	3.676	449.2E6	171.6E6	104.093	101.044
6) A	beta-BHC	3.923	3.749	189.9E6	74734420	102.246	97.638
7) A	delta-BHC	4.068	3.979	458.6E6	172.4E6	105.963	103.613
8) A	Heptachlor	4.237	4.028	379.6E6	138.8E6	101.645	97.950
9) A	Aldrin	4.475	4.274	389.4E6	151.1E6	104.413	98.589
10) A	Heptachlo...	4.943	4.703	301.2E6	126.4E6	100.305	97.309
11) A	gamma-Chl...	5.034	4.843	333.3E6	134.8E6	107.254	98.659
12) A	alpha-Chl...	5.133	4.949	304.1E6	126.5E6	104.537	97.977
13) A	4,4'-DDE	5.190	5.081	330.7E6	137.5E6	107.355	101.330
14) A	Endosulfan I	5.235	4.985	273.8E6	110.5E6	102.328	94.921
15) A	Dieldrin	5.410	5.181	332.1E6	131.7E6	108.097	97.427
16) A	Endrin	5.579	5.393	290.2E6	111.3E6	99.686	95.643
17) A	4,4'-DDD	5.623	5.488	292.0E6	113.4E6	103.744	100.516
18) A	Endosulfa...	5.740	5.543	278.2E6	108.8E6	96.759	95.110
19) A	4,4'-DDT	5.822	5.708	261.8E6	88244749	115.504	113.815
20) A	Endrin al...	6.041	5.780	219.3E6	88939984	108.430	108.695
21) A	Methoxychlor	6.161	6.188	109.0E6	37621561	103.903	99.335
22) A	Endosulfa...	6.351	5.975	245.9E6	99389234	99.289	92.338
23) A	Endrin ke...	6.549	6.339	281.8E6	111.7E6	97.479	93.373
27) L8	Toxaphene{3}	6.041	5.832	219.3E6	2346619	19544.194	NoCal #
28) L8	Toxaphene{4}	6.351	6.188	245.9E6	37621561	19613.442	21033.231
Sum	Toxaphene			465.2E6	37621561	39157.636	21033.231
Average	Toxaphene					19578.818	21033.231
32) L9	Tech Chlo...	5.133	4.914	304.1E6	312027	11284.827	NoCal #
33) L9	Tech Chlo...	5.190	4.985	330.7E6	110.5E6	11257.261	9269.891
34) L9	Tech Chlo...	5.740	0.000	278.2E6	0	9728.265	N.D. #
Sum	Tech Chlordane			913.1E6	110.5E6	32270.353	9269.891
Average	Tech Chlordane					10756.784	9269.891

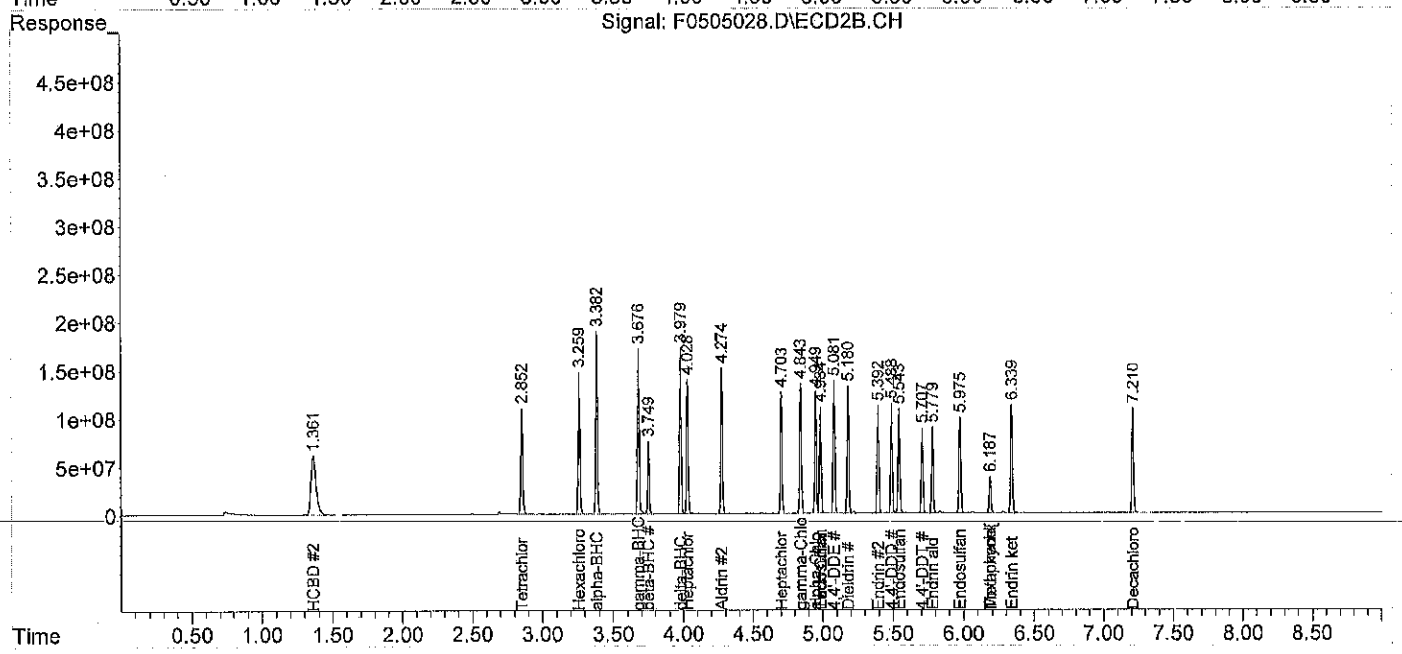
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : X:\PEST\Frank\DATA\F230505\
Data File : F0505028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 May 2023 15:43
Operator : LAD
Sample : PEST IC 100 PPB (PS5-018-21)
Misc :
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 09:15:24 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Frank\DATA\F230505\
Data File : F0505029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 May 2023 15:55
Operator : LAD
Sample : PEST IC 200 PPB (PS5-018-22)
Misc :
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 09:15:29 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
2)	S Tetrachlo...	3.073	2.852	599.2E6	212.7E6	195.650	190.118	
	Spiked Amount 100.000			Recovery	=	195.65%	190.12%	
24)	S Decachlor...	7.240	7.211	461.9E6	211.9E6	199.541	181.195	
	Spiked Amount 100.000			Recovery	=	199.54%	181.19%	
	Target Compounds							
1)	A HCBD	1.534	1.364	361.7E6	114.2E6	212.760	195.899	
3)	A Hexachlor...	3.424	3.259	713.9E6	274.2E6	193.983	180.461	
4)	A alpha-BHC	3.576	3.382	948.5E6	349.4E6	203.762	188.538	
5)	A gamma-BHC	3.848	3.676	880.5E6	325.3E6	204.043	191.590	
6)	A beta-BHC	3.924	3.749	379.1E6	150.7E6	204.055	196.846	
7)	A delta-BHC	4.069	3.979	898.1E6	326.2E6	207.505	196.012	
8)	A Heptachlor	4.238	4.028	699.1E6	264.6E6	187.211	186.670	
9)	A Aldrin	4.475	4.274	735.3E6	282.8E6	197.179	184.526	
10)	A Heptachlo...	4.943	4.703	584.4E6	238.8E6	194.623	183.807	
11)	A gamma-Chl...	5.035	4.843	656.3E6	259.2E6	211.201	189.777	
12)	A alpha-Chl...	5.134	4.949	610.4E6	248.0E6	209.805	192.108	
13)	A 4,4'-DDE	5.191	5.081	652.3E6	234.1E6	211.733	172.552	
14)	A Endosulfan I	5.235	4.985	523.4E6	210.0E6	195.609	180.494	
15)	A Dieldrin	5.411	5.181	616.2E6	244.0E6	200.560	180.466	
16)	A Endrin	5.579	5.393	534.5E6	211.5E6	183.606	181.802	
17)	A 4,4'-DDD	5.623	5.488	572.1E6	218.4E6	203.257	193.666	
18)	A Endosulfa...	5.740	5.543	514.4E6	209.0E6	178.910	182.693	
19)	A 4,4'-DDT	5.822	5.708	390.4E6	182.3E6	172.264	235.066	#
20)	A Endrin al...	6.041	5.780	409.0E6	167.1E6	202.607	204.908	
21)	A Methoxychlor	6.161	6.187	214.0E6	76769162	204.441	202.717	
22)	A Endosulfa...	6.351	5.975	477.9E6	191.2E6	192.959	177.664	
23)	A Endrin ke...	6.549	6.339	533.0E6	213.3E6	184.399	178.236	
27)	L8 Toxaphene{3}	6.041	5.832	409.0E6	4652641	36440.888	NoCal	#
28)	L8 Toxaphene{4}	6.351	6.187	477.9E6	76769162	38116.899	42919.631	
	Sum Toxaphene			886.8E6	76769162	74557.787	42919.631	
Average	Toxaphene					37278.893	42919.631	
32)	L9 Tech Chlo...	5.134	4.914	610.4E6	666066	22648.697	NoCal	#
33)	L9 Tech Chlo...	5.191	4.985	652.3E6	210.0E6	22202.417	17626.901	
34)	L9 Tech Chlo...	5.740	0.000	514.4E6	0	17987.792	N.D.	#
	Sum Tech Chlordane			1777.1E6	210.0E6	62838.907	17626.901	
Average	Tech Chlordane					20946.302	17626.901	

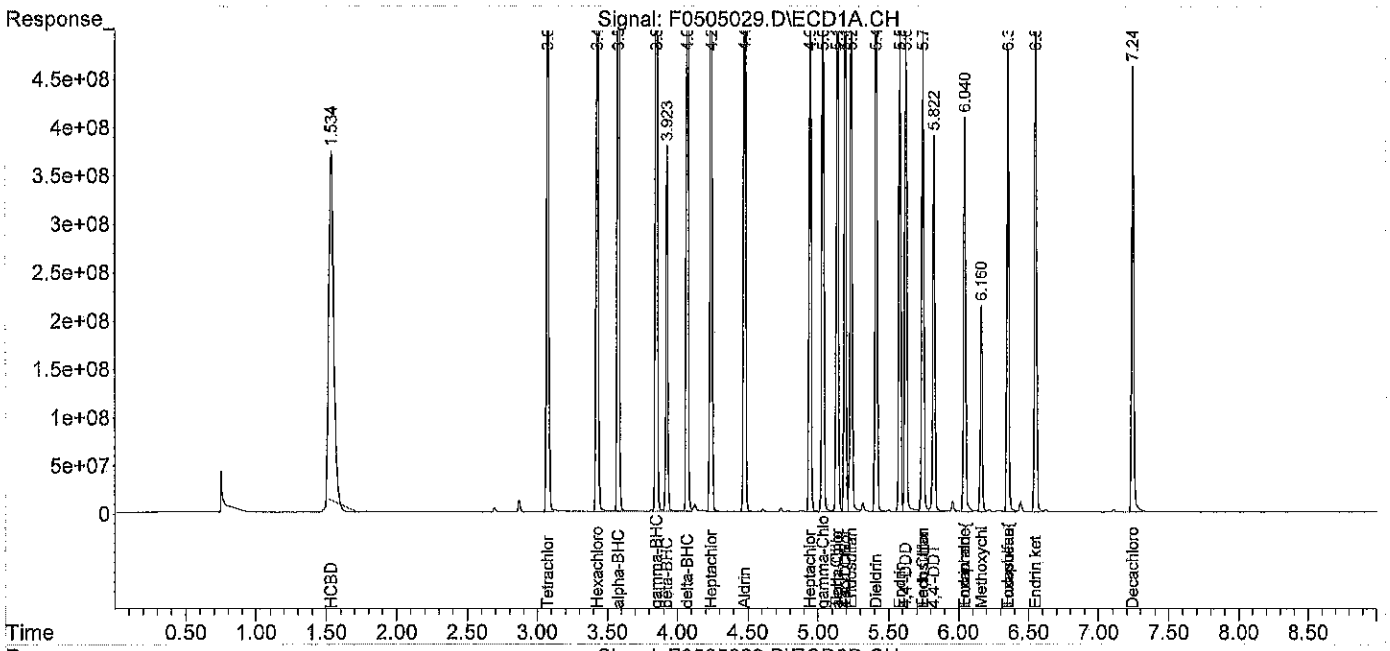
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

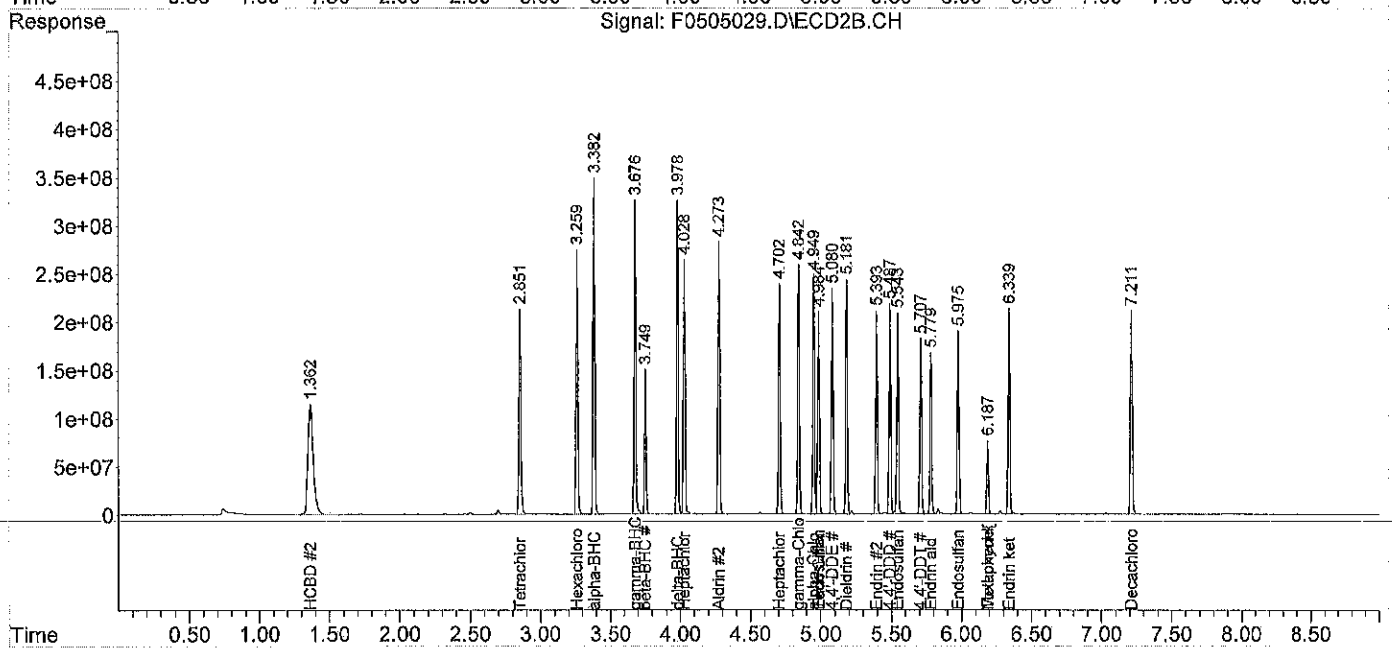
Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Frank\DATA\F230505\
Data File : F0505029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 May 2023 15:55
Operator : LAD
Sample : PEST IC 200 PPB (PS5-018-22)
Misc :
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 09:15:29 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Frank\DATA\F230505\
Data File : F0505030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 May 2023 16:07
Operator : LAD
Sample : PEST IC 400 PPB (PS5-018-23)
Misc :
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 09:15:33 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
		System Monitoring Compounds							
2)	S	Tetrachlo...	3.073	2.852	1101.1E6	380.6E6	359.504	340.231	
		Spiked Amount 100.000			Recovery	=	359.50%	340.23%	
24)	S	Decachlor...	7.240	7.211	874.7E6	382.7E6	377.878	327.231	
		Spiked Amount 100.000			Recovery	=	377.88%	327.23%	
		Target Compounds							
1)	A	HCBD	1.532	1.361	696.5E6	223.5E6	409.684	383.544	
3)	A	Hexachlor...	3.425	3.260	1297.2E6	477.5E6	352.471	314.293	
4)	A	alpha-BHC	3.577	3.383	1715.6E6	600.7E6	368.542	324.145	
5)	A	gamma-BHC	3.849	3.677	1574.8E6	556.9E6	364.918	327.966	
6)	A	beta-BHC	3.924	3.750	723.9E6	268.8E6	389.693	351.178	
7)	A	delta-BHC	4.070	3.980	1602.9E6	566.1E6	370.353	340.209	
8)	A	Heptachlor	4.238	4.029	1219.3E6	453.6E6	326.512	319.993	
9)	A	Aldrin	4.476	4.274	1271.5E6	477.7E6	340.958	311.747	
10)	A	Heptachlo...	4.943	4.704	1032.2E6	418.1E6	343.769	321.782	
11)	A	gamma-Chl...	5.035	4.844	1173.2E6	458.2E6	377.563	335.481	
12)	A	alpha-Chl...	5.134	4.950	1087.4E6	430.3E6	373.750	333.321	
13)	A	4,4'-DDE	5.191	5.082	1127.2E6	459.6E6	365.878	338.768	
14)	A	Endosulfan I	5.235	4.985	931.5E6	372.4E6	348.151	320.044	
15)	A	Dieldrin	5.411	5.182	1083.1E6	425.5E6	352.528	314.701	
16)	A	Endrin	5.579	5.394	938.2E6	365.6E6	322.258	314.234	
17)	A	4,4'-DDD	5.624	5.489	997.6E6	380.5E6	354.440	337.374	
18)	A	Endosulfa...	5.741	5.543	944.8E6	365.8E6	328.592	319.818	
19)	A	4,4'-DDT	5.822	5.708	961.1E6	344.8E6	424.064	444.727	
20)	A	Endrin al...	6.041	5.780	763.4E6	304.4E6	378.613	373.953	
21)	A	Methoxychlor	6.161	6.188	403.7E6	152.4E6	385.964	402.341	
22)	A	Endosulfa...	6.351	5.975	857.0E6	338.7E6	346.068	314.660	
23)	A	Endrin ke...	6.550	6.340	961.9E6	378.8E6	332.798	316.510	
27)	L8	Toxaphene{3}	6.041	5.832	763.4E6	8551742	68018.758	NoCal	#
28)	L8	Toxaphene{4}	6.351	6.188	857.0E6	152.4E6	68362.031	85181.054	
		Sum Toxaphene			1620.4E6	152.4E6	136380.789	85181.054	
		Average Toxaphene					68190.394	85181.054	
32)	L9	Tech Chlo...	5.134	4.914	1087.4E6	1179477	40346.635	NoCal	#
33)	L9	Tech Chlo...	5.191	4.985	1127.2E6	372.4E6	38366.034	31255.250	
34)	L9	Tech Chlo...	5.741	0.000	944.8E6	0	33036.932	N.D.	#
		Sum Tech Chlordane			3159.3E6	372.4E6	111749.600	31255.250	
		Average Tech Chlordane					37249.867	31255.250	

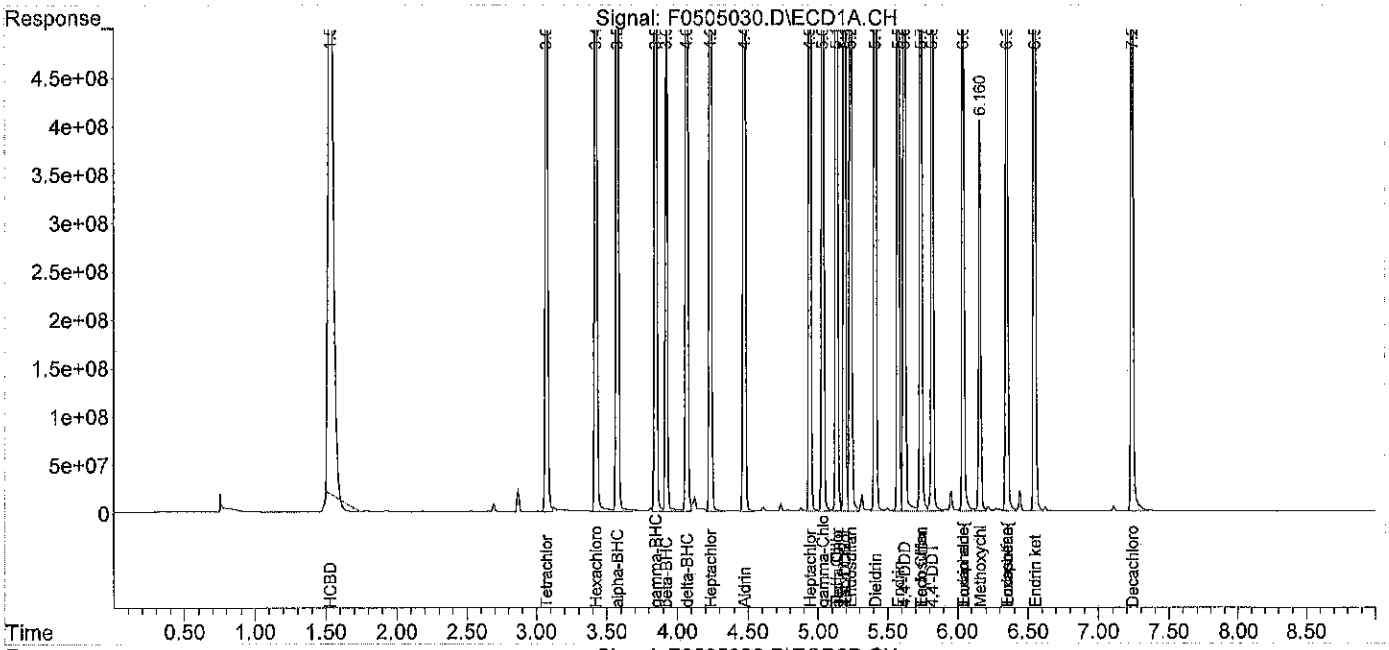
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

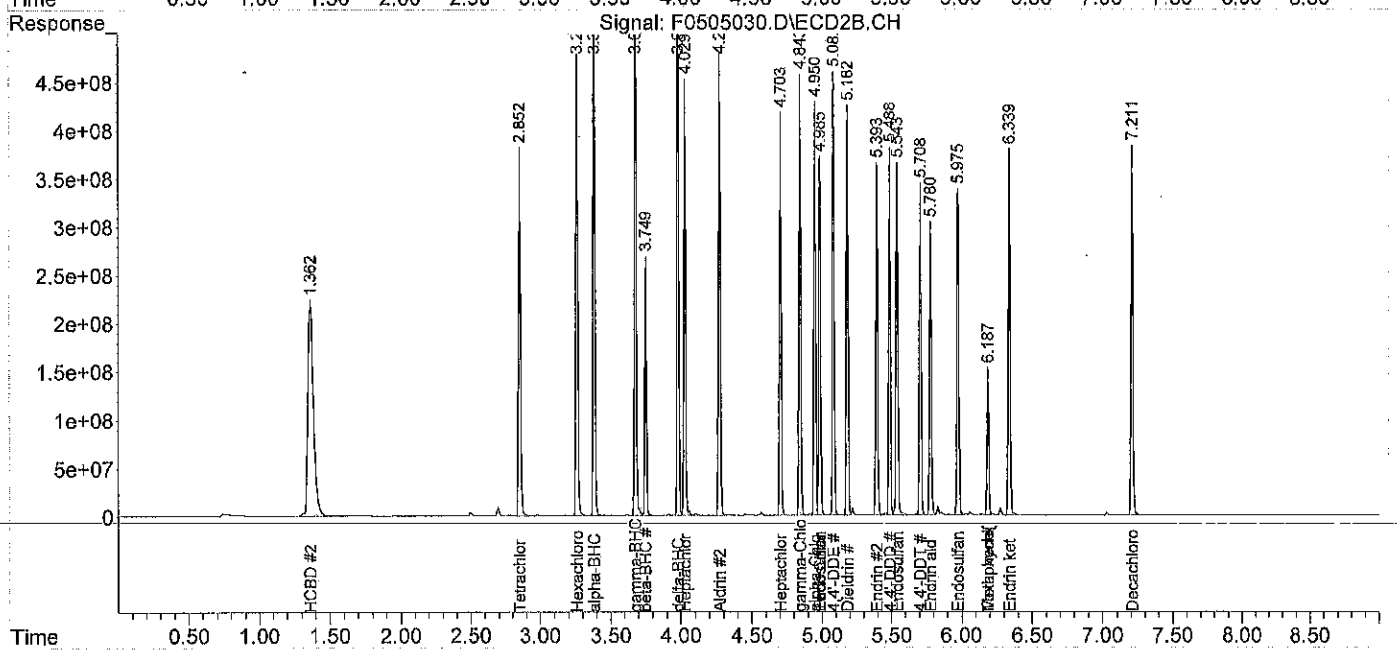
Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Frank\DATA\F230505\
Data File : F0505030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 May 2023 16:07
Operator : LAD
Sample : PEST IC 400 PPB (PS5-018-23)
Misc :
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 09:15:33 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Frank\DATA\F230505\
Data File : F0505032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 May 2023 16:31
Operator : LAD
Sample : PEST ICV 100 PPB (PS5-019-12)
Misc :
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 09:25:26 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

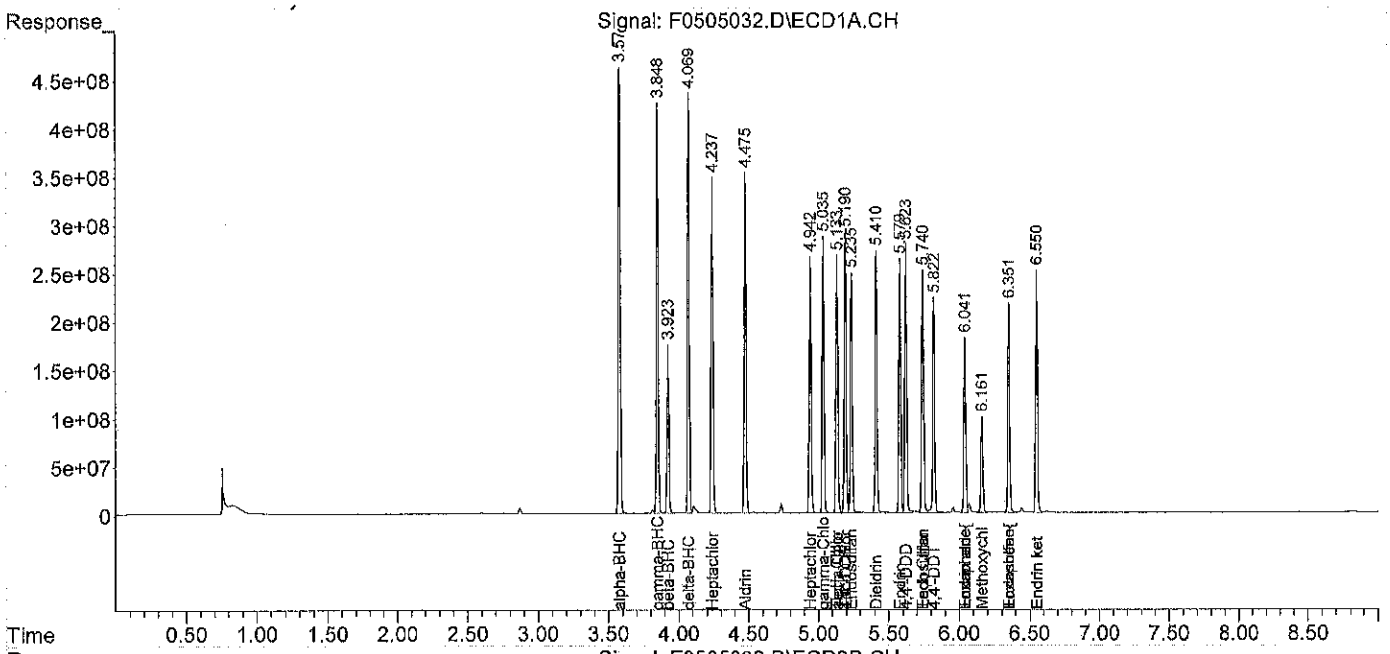
		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
		System Monitoring Compounds							
		Target Compounds							
4)	A	alpha-BHC	3.577	3.383	462.4E6	171.5E6	99.337	92.520	
5)	A	gamma-BHC	3.849	3.677	425.3E6	156.2E6	98.560	91.992	
6)	A	beta-BHC	3.924	3.750	175.1E6	69310794	94.234	90.552	
7)	A	delta-BHC	4.069	3.979	435.6E6	163.6E6	100.642	98.313	
8)	A	Heptachlor	4.238	4.029	348.2E6	127.5E6	93.235	89.947	
9)	A	Aldrin	4.476	4.274	352.8E6	137.3E6	94.604	89.607	
10)	A	Heptachlo...	4.943	4.704	265.3E6	117.3E6	88.361	90.272	
11)	A	gamma-Chl...	5.035	4.843	286.2E6	124.0E6	92.121	90.818	
12)	A	alpha-Chl...	5.134	4.950	266.9E6	116.2E6	91.726	89.976	
13)	A	4,4'-DDE	5.191	5.082	290.9E6	131.0E6	94.437	96.548	
14)	A	Endosulfan I	5.236	4.985	248.8E6	105.5E6	92.989	90.645	
15)	A	Dieldrin	5.411	5.182	271.6E6	114.6E6	88.409	84.795	
16)	A	Endrin	5.580	5.393	263.3E6	100.9E6	90.450	86.717	
17)	A	4,4'-DDD	5.624	5.489	278.7E6	107.3E6	99.022	95.173	
18)	A	Endosulfa...	5.740	5.543	251.6E6	98957007	87.496	86.518	
19)	A	4,4'-DDT	5.822	5.708	223.0E6	68746080	98.392	88.667	
20)	A	Endrin al...	6.041	5.780	182.0E6	72305143	89.863	88.216	
21)	A	Methoxychlor	6.161	6.188	99664457	32813270	94.989	86.637	
22)	A	Endosulfa...	6.351	5.976	217.0E6	88112499	87.641	81.862	
23)	A	Endrin ke...	6.550	6.340	251.4E6	95605226	86.963	79.889	
27)	L8	Toxaphene{3}	6.041	5.833	182.0E6	2414224	16212.959	NoCal	#
28)	L8	Toxaphene{4}	6.351	6.188	217.0E6	32813270	17312.608	18345.041	
		Sum Toxaphene			399.0E6	32813270	33525.567	18345.041	
		Average Toxaphene					16762.784	18345.041	
32)	L9	Tech Chlo...	5.134	4.899	266.9E6	376728	9901.961	NoCal	#
33)	L9	Tech Chlo...	5.191	4.985	290.9E6	105.5E6	9902.640	8852.278	
34)	L9	Tech Chlo...	5.740	0.000	251.6E6	0	8796.903	N.D.	#
		Sum Tech Chlordane			809.4E6	105.5E6	28601.504	8852.278	
		Average Tech Chlordane					9533.835	8852.278	

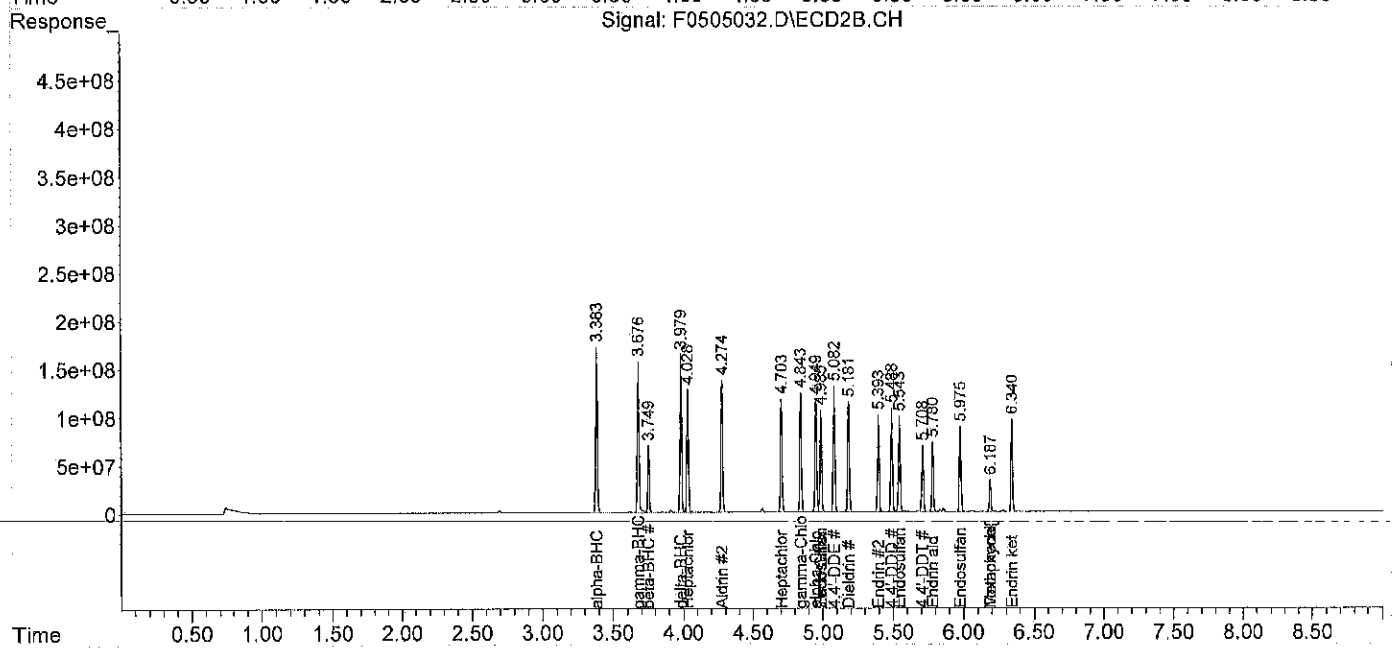
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : X:\PEST\Frank\DATA\F230505\
Data File : F0505032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 May 2023 16:31
Operator : LAD
Sample : PEST ICV 100 PPB (PS5-019-12)
Misc :
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 09:25:26 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Lab ID: PEST MIDLEVEL 0508-1
Date Analyzed: 5-8-23
File ID:F230508\F0508004
Instrument: FRANK

EPA Method 8081
Continuing Calibration Summary

Lab ID: PEST MIDLEVEL 0508-1

		Column 1		Column 2		
Analyte	True Value (ppb)	Calc. Value	Percent Difference	Calc. Value	Percent Difference	Control Limits
alpha-BHC	100	141	-41	114	-14	+/- 20%
gamma-BHC	100	139	-39	115	-15	+/- 20%
beta-BHC	100	133	-33	112	-12	+/- 20%
delta-BHC	100	142	-42	124	-24	+/- 20%
Heptachlor	100	128	-28	112	-12	+/- 20%
Aldrin	100	123	-23	120	-20	+/- 20%
Heptachlor epoxide	100	100	0	119	-19	+/- 20%
gamma-Chlordane	100	98.7	1.3	127	-27	+/- 20%
alpha-Chlordane	100	104	-4	128	-28	+/- 20%
4,4'-DDE	100	107	-7	128	-28	+/- 20%
Endosulfan I	100	110	-10	121	-21	+/- 20%
Dieldrin	100	123	-23	119	-19	+/- 20%
Endrin	100	110	-10	110	-10	+/- 20%
4,4'-DDD	100	119	-19	124	-24	+/- 20%
Endosulfan II	100	116	-16	118	-18	+/- 20%
4,4'-DDT	100	118	-18	113	-13	+/- 20%
Endrin aldehyde	100	118	-18	126	-26	+/- 20%
Methoxychlor	100	107	-7	94.8	5.2	+/- 20%
Endosulfan sulfate	100	123	-23	109	-9	+/- 20%
Endrin ketone	100	121	-21	107	-7	+/- 20%
Tetrachloro-m-xylene	100	130	-30	113	-13	+/- 20%
Decachlorobiphenyl	100	140	-40	119	-19	+/- 20%

Lab ID: PEST MIDLEVEL 0508-2
Date Analyzed: 5-8-23
File ID:F230508\F0508013
Instrument: FRANK

EPA Method 8081
Continuing Calibration Summary

Lab ID: PEST MIDLEVEL 0508-2

		Column 1		Column 2		
Analyte	True Value (ppb)	Calc. Value	Percent Difference	Calc. Value	Percent Difference	Control Limits
alpha-BHC	100	119	-19	114	-14	+/- 20%
gamma-BHC	100	118	-18	117	-17	+/- 20%
beta-BHC	100	115	-15	113	-13	+/- 20%
delta-BHC	100	123	-23	117	-17	+/- 20%
Heptachlor	100	114	-14	120	-20	+/- 20%
Aldrin	100	116	-16	120	-20	+/- 20%
Heptachlor epoxide	100	122	-22	117	-17	+/- 20%
gamma-Chlordane	100	130	-30	125	-25	+/- 20%
alpha-Chlordane	100	129	-29	127	-27	+/- 20%
4,4'-DDE	100	128	-28	126	-26	+/- 20%
Endosulfan I	100	120	-20	120	-20	+/- 20%
Dieldrin	100	125	-25	118	-18	+/- 20%
Endrin	100	112	-12	118	-18	+/- 20%
4,4'-DDD	100	121	-21	127	-27	+/- 20%
Endosulfan II	100	106	-6	117	-17	+/- 20%
4,4'-DDT	100	130	-30	160	-60	+/- 20%
Endrin aldehyde	100	113	-13	123	-23	+/- 20%
Methoxychlor	100	115	-15	145	-45	+/- 20%
Endosulfan sulfate	100	114	-14	111	-11	+/- 20%
Endrin ketone	100	111	-11	117	-17	+/- 20%
Tetrachloro-m-xylene	100	110	-10	112	-12	+/- 20%
Decachlorobiphenyl	100	113	-13	110	-10	+/- 20%

Lab ID: PEST MIDLEVEL 0509-2
Date Analyzed: 5-9-23
File ID:F230509\F0509012
Instrument: FRANK

EPA Method 8081
Continuing Calibration Summary

Lab ID: PEST MIDLEVEL 0509-2

Analyte	True Value (ppb)	Column 1 Calc. Value	Percent Difference	Column 2 Calc. Value	Percent Difference	Control Limits
alpha-BHC	100	107	-7	113	-13	+/- 20%
gamma-BHC	100	106	-6	111	-11	+/- 20%
beta-BHC	100	102	-2	105	-5	+/- 20%
delta-BHC	100	95.2	4.8	91.2	8.8	+/- 20%
Heptachlor	100	103	-3	111	-11	+/- 20%
Aldrin	100	100	0	108	-8	+/- 20%
Heptachlor epoxide	100	112	-12	109	-9	+/- 20%
gamma-Chlordane	100	101	-1	112	-12	+/- 20%
alpha-Chlordane	100	100	0	113	-13	+/- 20%
4,4'-DDE	100	110	-10	112	-12	+/- 20%
Endosulfan I	100	112	-12	110	-10	+/- 20%
Dieldrin	100	111	-11	114	-14	+/- 20%
Endrin	100	101	-1	116	-16	+/- 20%
4,4'-DDD	100	101	-1	116	-16	+/- 20%
Endosulfan II	100	95.5	4.5	112	-12	+/- 20%
4,4'-DDT	100	105	-5	116	-16	+/- 20%
Endrin aldehyde	100	97.3	2.7	117	-17	+/- 20%
Methoxychlor	100	99.2	0.8	130	-30	+/- 20%
Endosulfan sulfate	100	92.2	7.8	101	-1	+/- 20%
Endrin ketone	100	92.1	7.9	103	-3	+/- 20%
Tetrachloro-m-xylene	100	111	-11	116	-16	+/- 20%
Decachlorobiphenyl	100	91.7	8.3	88.9	11.1	+/- 20%

Lab ID: PEST MIDLEVEL 0509-3
Date Analyzed: 5-9-23
File ID:F230509\F0509016
Instrument: FRANK

EPA Method 8081
Continuing Calibration Summary

Lab ID: PEST MIDLEVEL 0509-3

Analyte	True Value (ppb)	Column 1 Calc. Value	Percent Difference	Column 2 Calc. Value	Percent Difference	Control Limits
alpha-BHC	100	111	-11	113	-13	+/- 20%
gamma-BHC	100	109	-9	111	-11	+/- 20%
beta-BHC	100	105	-5	106	-6	+/- 20%
delta-BHC	100	95.9	4.1	90.4	9.6	+/- 20%
Heptachlor	100	104	-4	112	-12	+/- 20%
Aldrin	100	102	-2	107	-7	+/- 20%
Heptachlor epoxide	100	113	-13	109	-9	+/- 20%
gamma-Chlordane	100	106	-6	114	-14	+/- 20%
alpha-Chlordane	100	99.2	0.8	116	-16	+/- 20%
4,4'-DDE	100	116	-16	116	-16	+/- 20%
Endosulfan I	100	115	-15	112	-12	+/- 20%
Dieldrin	100	117	-17	114	-14	+/- 20%
Endrin	100	107	-7	115	-15	+/- 20%
4,4'-DDD	100	105	-5	120	-20	+/- 20%
Endosulfan II	100	98.6	1.4	116	-16	+/- 20%
4,4'-DDT	100	110	-10	155	-55	+/- 20%
Endrin aldehyde	100	104	-4	120	-20	+/- 20%
Methoxychlor	100	105	-5	130	-30	+/- 20%
Endosulfan sulfate	100	97.4	2.6	101	-1	+/- 20%
Endrin ketone	100	94.9	5.1	104	-4	+/- 20%
Tetrachloro-m-xylene	100	110	-10	116	-16	+/- 20%
Decachlorobiphenyl	100	103.0	-3	92.7	7.3	+/- 20%

Lab ID: PEST MIDLEVEL 0509-4
Date Analyzed: 5-9-23
File ID:F230509\F0509024
Instrument: FRANK

EPA Method 8081
Continuing Calibration Summary

Lab ID: PEST MIDLEVEL 0509-4

Analyte	True Value (ppb)	Column 1 Calc. Value	Percent Difference	Column 2 Calc. Value	Percent Difference	Control Limits
alpha-BHC	100	92.6	7.4	113	-13	+/- 20%
gamma-BHC	100	75.2	24.8	96.6	3.4	+/- 20%
beta-BHC	100	74.9	25.1	97.6	2.4	+/- 20%
delta-BHC	100	70.9	29.1	86.1	13.9	+/- 20%
Heptachlor	100	50.1	49.9	67.5	32.5	+/- 20%
Aldrin	100	76.0	24.0	102	-2	+/- 20%
Heptachlor epoxide	100	85.2	14.8	100	0	+/- 20%
gamma-Chlordane	100	76.8	23.2	99.1	0.9	+/- 20%
alpha-Chlordane	100	76.2	23.8	100	0	+/- 20%
4,4'-DDE	100	82.0	18.0	101	-1	+/- 20%
Endosulfan I	100	80.4	19.6	101	-1	+/- 20%
Dieldrin	100	79.6	20.4	103	-3	+/- 20%
Endrin	100	67.2	32.8	95.5	4.5	+/- 20%
4,4'-DDD	100	82.0	18.0	123	-23	+/- 20%
Endosulfan II	100	62.5	37.5	117	-17	+/- 20%
4,4'-DDT	100	8.65	91.35	13.8	86.2	+/- 20%
Endrin aldehyde	100	64.1	35.9	103	-3	+/- 20%
Methoxychlor	100	10.3	89.7	17.8	82.2	+/- 20%
Endosulfan sulfate	100	51.6	48.4	77.6	22.4	+/- 20%
Endrin ketone	100	26.0	74.0	41.3	58.7	+/- 20%
Tetrachloro-m-xylene	100	97.1	2.9	121	-21	+/- 20%
Decachlorobiphenyl	100	55.6	44.4	79.4	20.6	+/- 20%

Quantitation Report (Not Reviewed)

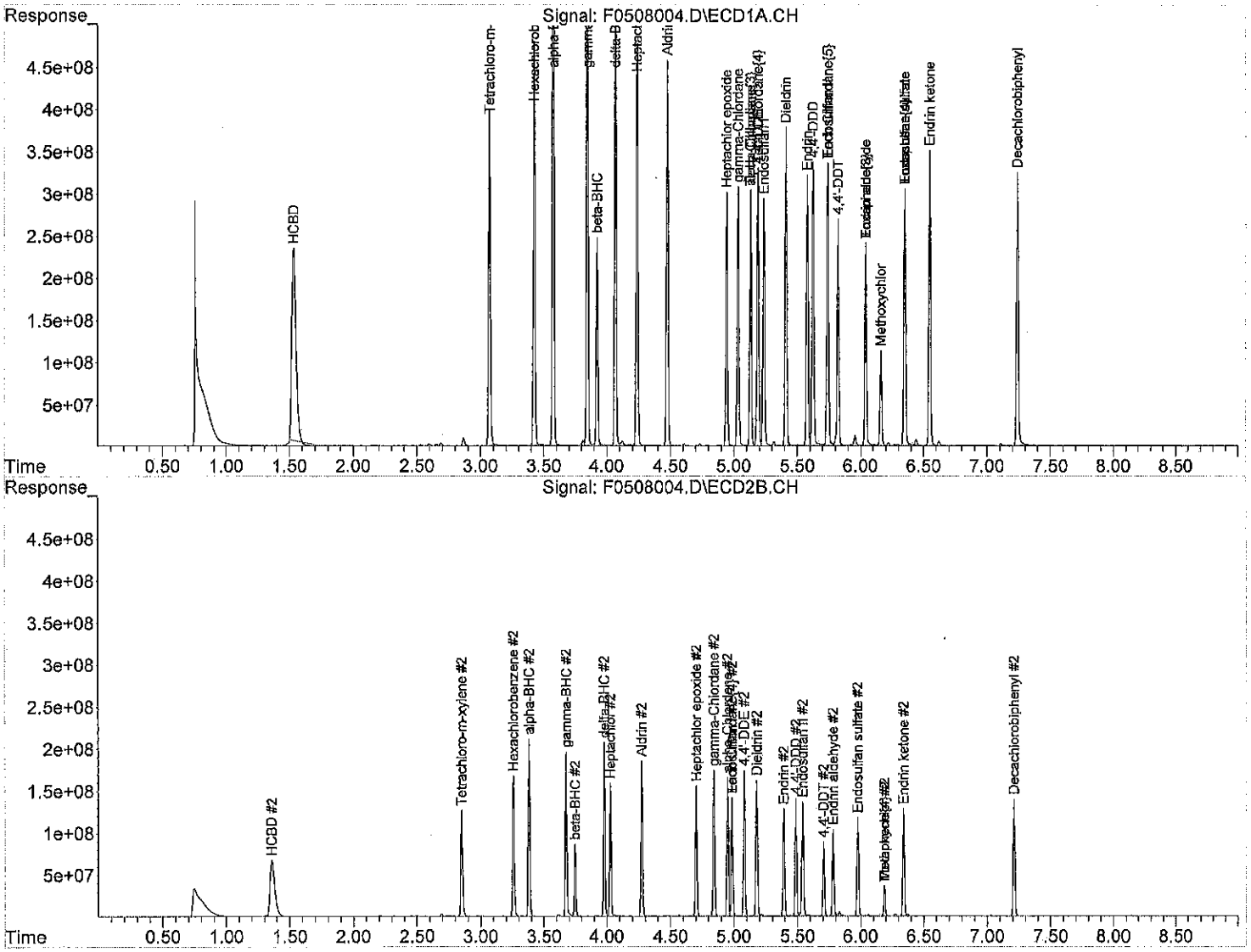
Data Path : X:\PEST\Frank\DATA\F230508\
Data File : F0508004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2023 9:37
Operator : LAD
Sample : PEST MID 0508-1 (PS5-021-02)
Misc :
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 09:52:02 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
2) S	Tetrachlo...	3.072	2.851	396.9E6	126.2E6	129.582	112.843	
Spiked Amount	100.000			Recovery	=	129.58%	112.84%	
24) S	Decachlor...	7.239	7.210	323.0E6	139.1E6	139.513	118.955	
Spiked Amount	100.000			Recovery	=	139.51%	118.95%	
	Target Compounds							
1) A	HCBD	1.531	1.359	227.1E6	66849375	133.590	114.697	
3) A	Hexachlor...	3.423	3.258	478.8E6	166.2E6	130.097	109.368	
4) A	alpha-BHC	3.576	3.381	660.2E6	211.3E6	141.825	114.027	
5) A	gamma-BHC	3.848	3.675	601.4E6	195.4E6	139.361	115.053	
6) A	beta-BHC	3.923	3.749	246.4E6	85734762	132.644	112.010	
7) A	delta-BHC	4.069	3.978	616.5E6	206.5E6	142.447	124.129	
8) A	Heptachlor	4.237	4.027	476.2E6	158.5E6	127.529	111.845	
9) A	Aldrin	4.474	4.273	457.1E6	184.6E6	122.575	120.483	
10) A	Heptachlo...	4.942	4.703	300.4E6	154.9E6	100.060	119.219	
11) A	gamma-Chl...	5.034	4.842	306.8E6	173.5E6	98.725	127.007	#
12) A	alpha-Chl...	5.133	4.949	302.6E6	165.0E6	103.994	127.809	
13) A	4,4'-DDE	5.190	5.081	329.3E6	173.0E6	106.900	127.542	
14) A	Endosulfan I	5.235	4.984	293.1E6	140.6E6	109.561	120.794	
15) A	Dieldrin	5.410	5.180	376.8E6	161.3E6	122.630	119.299	
16) A	Endrin	5.578	5.392	321.0E6	127.7E6	110.271	109.768	
17) A	4,4'-DDD	5.622	5.487	336.2E6	139.9E6	119.451	124.041	
18) A	Endosulfa...	5.739	5.542	334.5E6	135.5E6	116.341	118.483	
19) A	4,4'-DDT	5.821	5.707	268.5E6	87904386	118.458	113.376	
20) A	Endrin al...	6.040	5.779	239.9E6	103.1E6	118.631	126.114	
21) A	Methoxychlor	6.160	6.187	112.3E6	35896427	107.041	94.779	
22) A	Endosulfa...	6.349	5.974	303.7E6	117.1E6	122.649	108.829	
23) A	Endrin ke...	6.548	6.338	349.5E6	127.6E6	120.915	106.611	
27) L8	Toxaphene{3}	6.040	5.832	239.9E6	5188932	21374.394	NoCal	#
28) L8	Toxaphene{4}	6.349	6.187	303.7E6	35896427	24227.890	20068.754	
Sum	Toxaphene			543.6E6	35896427	45602.284	20068.754	
Average	Toxaphene					22801.142	20068.754	
32) L9	Tech Chlo...	5.133	4.913	302.6E6	446300	11226.201	NoCal	#
33) L9	Tech Chlo...	5.190	4.984	329.3E6	140.6E6	11209.587	11796.703	
34) L9	Tech Chlo...	5.739	0.000	334.5E6	0	11697.036	N.D.	#
Sum	Tech Chlordane			966.4E6	140.6E6	34132.824	11796.703	
Average	Tech Chlordane					11377.608	11796.703	

File :X:\PEST\Frank\DATA\F230508\F0508004.D
Operator : LAD
Acquired : 08 May 2023 9:37 using AcqMethod P230505_NEW.M
Instrument : Frank
Sample Name: PEST MID 0508-1 (PS5-021-02)
Misc Info :
Vial Number: 4



Quantitation Report (Not Reviewed)

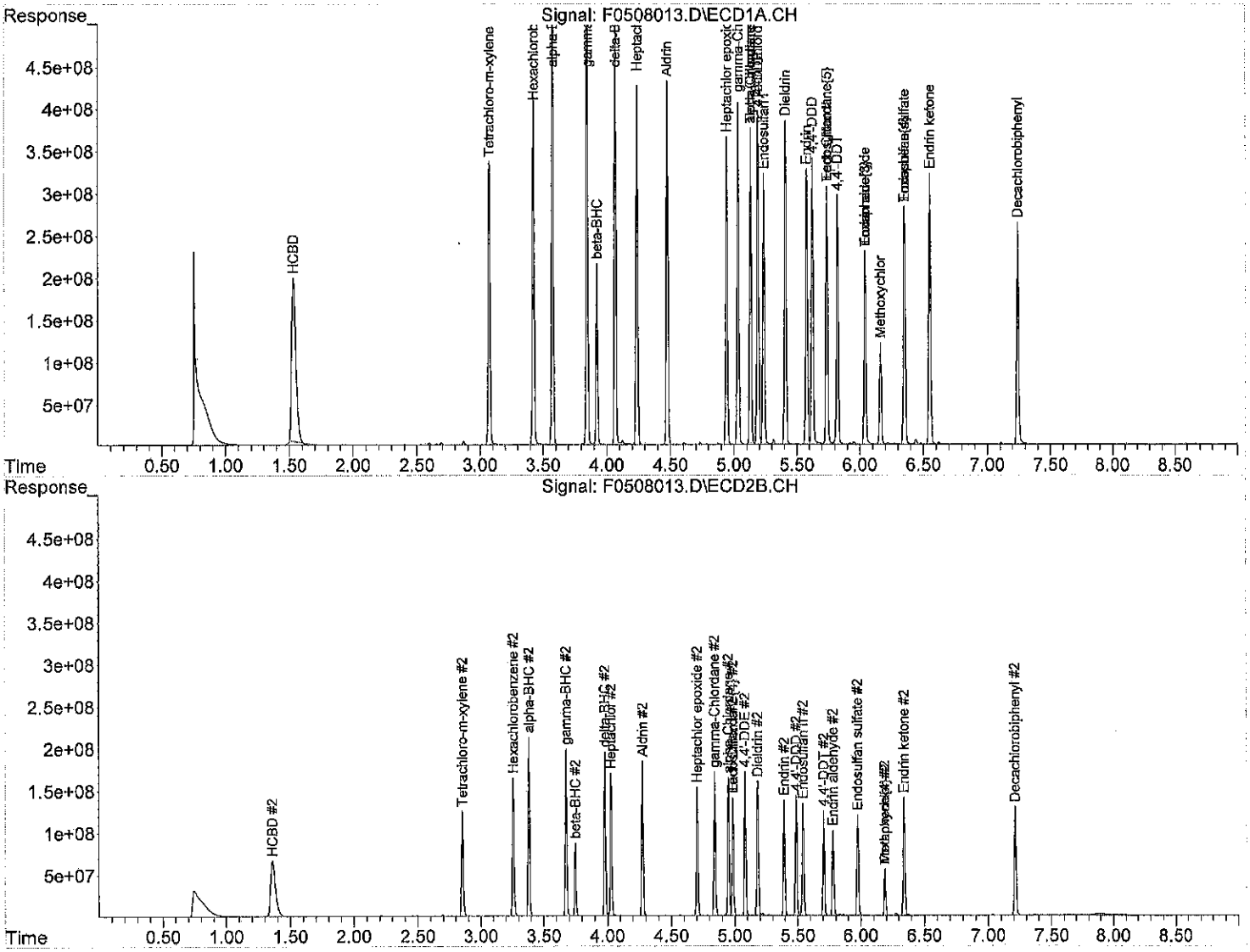
Data Path : X:\PEST\Frank\DATA\F230508\
Data File : F0508013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2023 11:27
Operator : LAD
Sample : PEST MID 0508-2 (PS5-021-02)
Misc :
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 14:14:37 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
2) S	Tetrachlo...	3.072	2.852	336.5E6	125.3E6	109.860	111.970	
Spiked Amount	100.000			Recovery	=	109.86%	111.97%	
24) S	Decachlor...	7.239	7.211	262.6E6	129.2E6	113.447	110.422	
Spiked Amount	100.000			Recovery	=	113.45%	110.42%	
	Target Compounds							
1) A	HCBD	1.532	1.361	193.8E6	65977198	114.005	113.201	
3) A	Hexachlor...	3.424	3.260	408.2E6	164.3E6	110.905	108.119	
4) A	alpha-BHC	3.576	3.383	554.6E6	212.1E6	119.147	114.460	
5) A	gamma-BHC	3.847	3.676	509.7E6	198.4E6	118.101	116.848	
6) A	beta-BHC	3.923	3.750	214.4E6	86131005	115.385	112.527	
7) A	delta-BHC	4.068	3.979	532.5E6	195.0E6	123.041	117.207	
8) A	Heptachlor	4.237	4.028	426.1E6	169.6E6	114.099	119.649	
9) A	Aldrin	4.474	4.274	431.1E6	184.2E6	115.606	120.181	
10) A	Heptachlo...	4.942	4.703	365.1E6	151.9E6	121.588	116.944	
11) A	gamma-Chl...	5.033	4.843	404.8E6	170.5E6	130.259	124.856	
12) A	alpha-Chl...	5.132	4.950	374.6E6	163.9E6	128.757	126.974	
13) A	4,4'-DDE	5.189	5.082	394.6E6	171.1E6	128.083	126.160	
14) A	Endosulfan I	5.234	4.985	320.5E6	139.6E6	119.777	119.929	
15) A	Dieldrin	5.409	5.181	383.3E6	159.5E6	124.739	117.995	
16) A	Endrin	5.578	5.393	326.3E6	137.4E6	112.079	118.101	
17) A	4,4'-DDD	5.622	5.488	339.4E6	142.9E6	120.603	126.704	
18) A	Endosulfa...	5.739	5.543	306.1E6	133.7E6	106.470	116.857	
19) A	4,4'-DDT	5.821	5.708	295.7E6	124.4E6	130.476	160.431	
20) A	Endrin al...	6.039	5.779	229.4E6	101.0E6	113.415	123.498	
21) A	Methoxychlor	6.160	6.188	120.4E6	55044036	114.841	145.348	#
22) A	Endosulfa...	6.349	5.975	281.6E6	119.3E6	113.695	110.870	
23) A	Endrin ke...	6.548	6.339	320.8E6	139.9E6	110.983	116.911	
27) L8	Toxaphene{3}	6.039	5.832	229.4E6	1285497	20438.514	NoCal	#
28) L8	Toxaphene{4}	6.349	6.188	281.6E6	55044036	22459.300	30773.681	#
Sum	Toxaphene			511.0E6	55044036	42897.814	30773.681	
Average	Toxaphene					21448.907	30773.681	
32) L9	Tech Chlo...	5.132	4.914	374.6E6	337391	13899.387	NoCal	#
33) L9	Tech Chlo...	5.189	4.985	394.6E6	139.6E6	13430.859	11712.209	
34) L9	Tech Chlo...	5.739	0.000	306.1E6	0	10704.587	N.D.	#
Sum	Tech Chlordane			1075.3E6	139.6E6	38034.834	11712.209	
Average	Tech Chlordane					12678.278	11712.209	

File :X:\PEST\Frank\DATA\F230508\F0508013.D
Operator : LAD
Acquired : 08 May 2023 11:27 using AcqMethod P230505_NEW.M
Instrument : Frank
Sample Name: PEST MID 0508-2 (PS5-021-02)
Misc Info :
Vial Number: 13



Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Frank\DATA\F230509\
Data File : F0509012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 May 2023 11:49
Operator : LAD
Sample : Pest mid CCV2
Misc :
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 12:05:03 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
2)	S Tetrachlo...	3.007	2.791	341.2E6	129.7E6	111.388	115.980	
	Spiked Amount 100.000			Recovery	=	111.39%	115.98%	
24)	S Decachlor...	7.175	7.151	212.2E6	104.0E6	91.668	88.895	
	Spiked Amount 100.000			Recovery	=	91.67%	88.89%	
	Target Compounds							
1)	A HCBD	0.000	1.300	0	73812540	N.D.	126.644	#
3)	A Hexachlor...	3.358	3.198	385.9E6	166.1E6	104.861	109.304	
4)	A alpha-BHC	3.510	3.322	500.4E6	208.6E6	107.494	112.591	
5)	A gamma-BHC	3.782	3.616	457.9E6	188.1E6	106.119	110.766	
6)	A beta-BHC	3.859	3.690	189.5E6	80708622	102.026	105.443	
7)	A delta-BHC	4.003	3.920	412.2E6	151.8E6	95.240	91.227	
8)	A Heptachlor	4.171	3.968	383.8E6	157.0E6	102.776	110.739	
9)	A Aldrin	4.409	4.213	369.2E6	165.6E6	98.989	108.039	
10)	A Heptachlo...	4.877	4.643	335.3E6	141.0E6	111.661	108.556	
11)	A gamma-Chl...	4.968	4.782	314.0E6	151.0E6	101.046	110.570	
12)	A alpha-Chl...	5.068	4.889	290.9E6	146.3E6	99.973	113.349	
13)	A 4,4'-DDE	5.126	5.023	339.3E6	152.4E6	110.126	112.336	
14)	A Endosulfan I	5.169	4.924	300.5E6	128.2E6	112.297	110.139	
15)	A Dieldrin	5.344	5.120	339.8E6	154.2E6	110.588	114.045	
16)	A Endrin	5.512	5.332	295.5E6	134.6E6	101.494	115.717	
17)	A 4,4'-DDD	5.559	5.430	284.2E6	130.6E6	100.973	115.790	
18)	A Endosulfa...	5.673	5.482	274.6E6	128.6E6	95.509	112.435	
19)	A 4,4'-DDT	5.758	5.649	238.0E6	90265185	105.033	116.421	
20)	A Endrin al...	5.974	5.719	197.0E6	95822281	97.344	117.168	
21)	A Methoxychlor	6.097	6.129	104.1E6	49337605	99.195	130.275	#
22)	A Endosulfa...	6.284	5.914	228.3E6	108.6E6	92.191	100.910	
23)	A Endrin ke...	6.481	6.277	266.4E6	123.4E6	92.148	103.153	
27)	L8 Toxaphene{3}	5.974	5.770	197.0E6	6924544	17555.147	NoCal	#
28)	L8 Toxaphene{4}	6.284	6.129	228.3E6	49337605	18211.336	27583.365	#
	Sum Toxaphene			425.3E6	49337605	35766.483	27583.365	
Average	Toxaphene					17883.241	27583.365	
32)	L9 Tech Chlo...	5.068	4.853f	290.9E6	418870	10792.213	NoCal	#
33)	L9 Tech Chlo...	5.126	4.924	339.3E6	128.2E6	11547.813	10756.084	
34)	L9 Tech Chlo...	5.673	0.000	274.6E6	0	9602.551	N.D.	#
	Sum Tech Chlordane			904.7E6	128.2E6	31942.577	10756.084	
Average	Tech Chlordane					10647.526	10756.084	

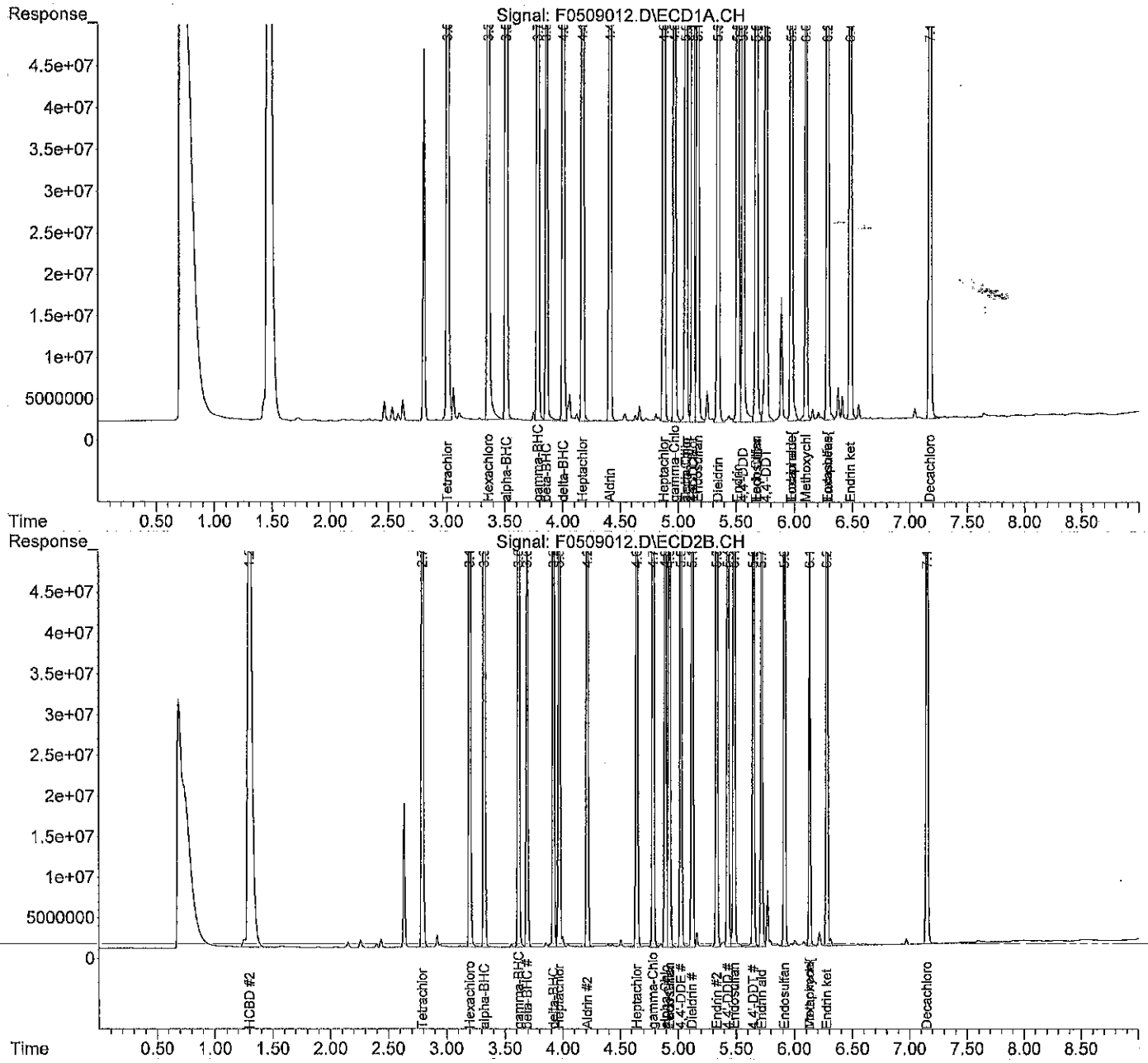
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Frank\DATA\F230509\
Data File : F0509012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 May 2023 11:49
Operator : LAD
Sample :
Misc :
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 12:05:03 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\F230509\
Data File : F0509016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 May 2023 13:08
Operator : LAD
Sample : PEST MID 0509-3 (PS5-019-08)
Misc :
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 13:17:57 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_NEW.M
Quant Title : Pestcides
QLast Update : Tue May 09 12:07:09 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
2)	S Tetrachlo...	3.006	2.790	338.2E6	130.0E6	110.436	116.252
	Spiked Amount 100.000			Recovery	=	110.44%	116.25%
24)	S Decachlor...	7.174	7.150	238.6E6	108.4E6	103.094	92.695
	Spiked Amount 100.000			Recovery	=	103.09%	92.69%
	Target Compounds						
1)	A HCBD	0.000	1.300	0	72313107	~~N.D.~~ 136.45	124.072 #
3)	A Hexachlor...	3.357	3.198	395.8E6	165.4E6	107.551	108.887
4)	A alpha-BHC	3.510	3.321	516.1E6	209.5E6	110.873	113.060
5)	A gamma-BHC	3.782	3.615	472.2E6	189.1E6	109.427	111.350
6)	A beta-BHC	3.858	3.690	195.6E6	81493890	105.318	106.469
7)	A delta-BHC	4.002	3.919	410.7E6	150.4E6	94.900	90.386
8)	A Heptachlor	4.171	3.967	388.6E6	159.2E6	104.070	112.302
9)	A Aldrin	4.408	4.212	380.9E6	164.5E6	102.141	107.338
10)	A Heptachlo...	4.876	4.642	339.2E6	141.8E6	112.975	109.119
11)	A gamma-Chl...	4.967	4.782	330.5E6	156.0E6	106.354	114.243
12)	A alpha-Chl...	5.067	4.888	288.5E6	149.5E6	99.169	115.782
13)	A 4,4'-DDE	5.126	5.022	358.7E6	157.0E6	116.441	115.730
14)	A Endosulfan I	5.168	4.923	307.1E6	129.9E6	114.767	111.647
15)	A Dieldrin	5.343	5.119	359.8E6	154.8E6	117.119	114.478
16)	A Endrin	5.511	5.330	311.4E6	133.7E6	106.965	114.896
17)	A 4,4'-DDD	5.558	5.429	295.6E6	135.4E6	105.046	120.092
18)	A Endosulfa...	5.672	5.481	283.5E6	132.5E6	98.585	115.821
19)	A 4,4'-DDT	5.757	5.648	249.0E6	94936981	109.890	122.447
20)	A Endrin al...	5.973	5.718	210.0E6	97936176	103.778	119.771
21)	A Methoxychlor	6.097	6.128	109.7E6	49293365	104.631	130.158
22)	A Endosulfa...	6.282	5.913	241.3E6	108.8E6	97.447	101.121
23)	A Endrin ke...	6.480	6.276	274.2E6	124.8E6	94.851	104.248
27)	L8 Toxaphene{3}	5.973	5.769	210.0E6	6958277	18709.566	NoCal #
28)	L8 Toxaphene{4}	6.282	6.128	241.3E6	49293365	19249.586	27558.632 #
	Sum Toxaphene			451.3E6	49293365	37959.152	27558.632
Average	Toxaphene					18979.576	27558.632
32)	L9 Tech Chlo...	5.067	4.853f	288.5E6	397567	10705.430	NoCal #
33)	L9 Tech Chlo...	5.126	4.923	358.7E6	129.9E6	12210.072	10903.393
34)	L9 Tech Chlo...	5.672	5.572	283.5E6	214582	9911.790	NoCal #
	Sum Tech Chlordane			930.7E6	129.9E6	32827.293	10903.393
Average	Tech Chlordane					10942.431	10903.393

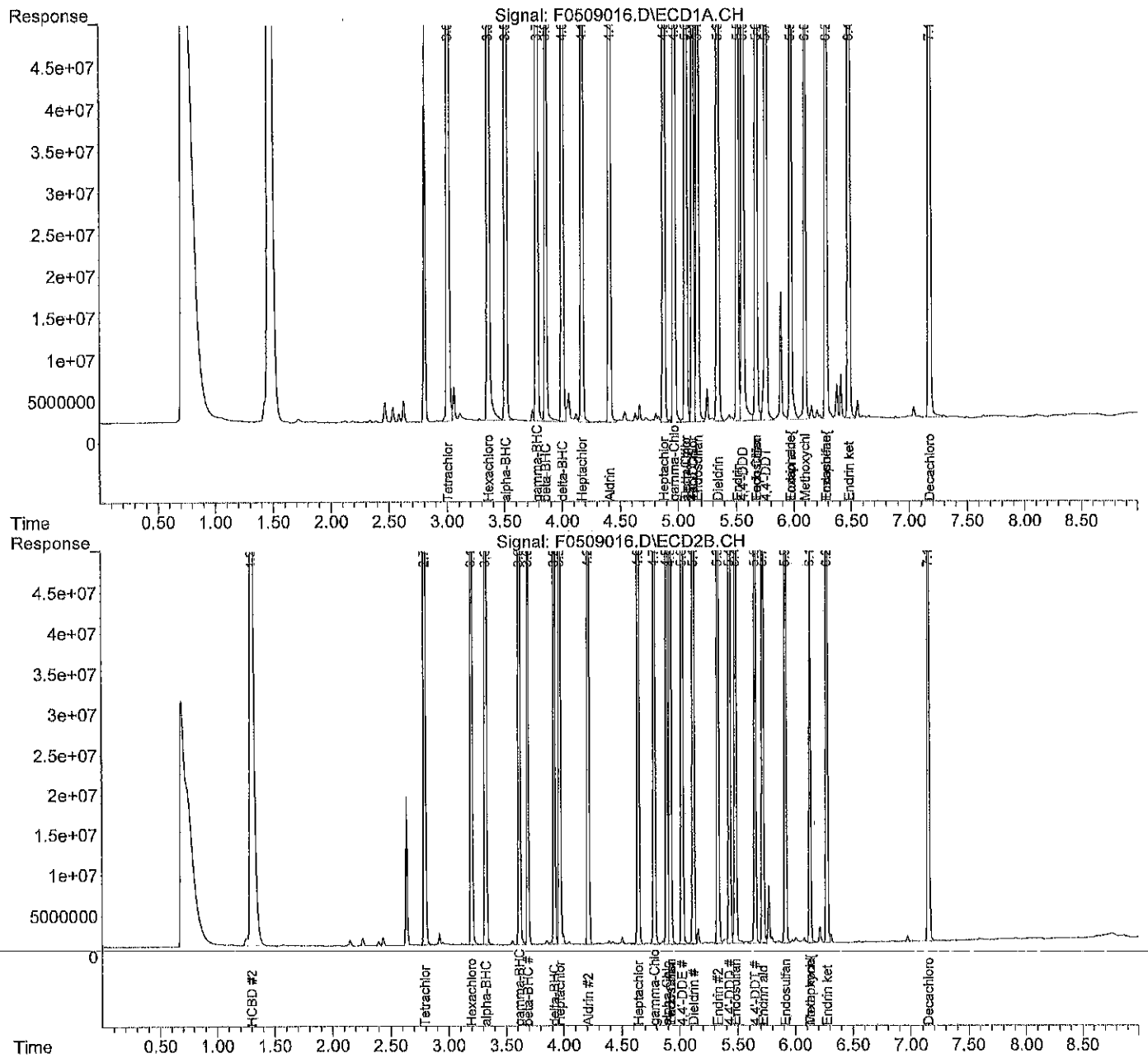
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\F230509\
Data File : F0509016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 May 2023 13:08
Operator : LAD
Sample : PEST MID 0509-3 (PS5-019-08)
Misc :
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 13:17:57 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_NEW.M
Quant Title : Pestcides
QLast Update : Tue May 09 12:07:09 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\F230509\
Data File : F0509024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 May 2023 16:36
Operator : LAD
Sample : PEST MID 0509-4 (PS5-019-08)
Misc :
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 16:45:08 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_NEW.M
Quant Title : Pestcides
QLast Update : Tue May 09 12:07:09 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
2)	S Tetrachlo...	3.007	2.791	297.5E6	135.1E6	97.136	120.790	
	Spiked Amount 100.000			Recovery	=	97.14%	120.79%	
24)	S Decachlor...	7.175	7.150	128.6E6	92882839	55.561	79.410	#
	Spiked Amount 100.000			Recovery	=	55.56%	79.41%	
	Target Compounds							
1)	A HCBD	0.000	1.301	0	82727316	~~N.D.~~ 139387	141.940	#
3)	A Hexachlor...	3.359	3.199	323.8E6	165.3E6	87.995	108.786	
4)	A alpha-BHC	3.511	3.322	431.3E6	208.7E6	92.648	112.592	
5)	A gamma-BHC	3.783	3.616	324.4E6	164.0E6	75.182	96.565	#
6)	A beta-BHC	3.859	3.691	139.2E6	74696936	74.930	97.589	#
7)	A delta-BHC	4.004	3.920	306.7E6	143.3E6	70.874	86.111	
8)	A Heptachlor	4.171	3.967	187.1E6	95654089	50.094	67.486	#
9)	A Aldrin	4.409	4.213	283.4E6	155.9E6	75.981	101.748	#
10)	A Heptachlo...	4.877	4.643	255.9E6	129.8E6	85.242	99.925	
11)	A gamma-Chl...	4.968	4.783	238.7E6	135.3E6	76.825	99.073	#
12)	A alpha-Chl...	5.068	4.889	221.6E6	129.2E6	76.178	100.120	#
13)	A 4,4'-DDE	5.127	5.023	252.5E6	136.9E6	81.950	100.918	
14)	A Endosulfan I	5.169	4.924	215.0E6	117.6E6	80.339	101.088	#
15)	A Dieldrin	5.344	5.120	244.5E6	138.6E6	79.591	102.540	#
16)	A Endrin	5.512	5.331	195.6E6	111.1E6	67.188	95.449	#
17)	A 4,4'-DDD	5.559	5.429	230.8E6	138.5E6	82.021	122.845	#
18)	A Endosulfa...	5.673	5.481	179.8E6	134.3E6	62.528	117.377	#
19)	A 4,4'-DDT	5.757	5.648	19597519	10731060	8.647	13.841	#
20)	A Endrin al...	5.974	5.719	130.2E6	84668620	64.141	103.437	#
21)	A Methoxychlor	6.098	6.129	11164744	6730271	10.299	17.757	#
22)	A Endosulfa...	6.284	5.914	127.8E6	83571720	51.604	77.643	#
23)	A Endrin ke...	6.481	6.277	75019265	49383648	25.954	41.266	#
27)	L8 Toxaphene{3}	5.974	5.770	130.2E6	2016421	11598.108	NoCal	#
28)	L8 Toxaphene{4}	6.284	6.129	127.8E6	6730271	10193.851	3762.719	#
	Sum Toxaphene			258.0E6	6730271	21791.959	3762.719	
	Average Toxaphene					10895.980	3762.719	
32)	L9 Tech Chlo...	5.068	4.823	221.6E6	830931	8223.480	NoCal	#
33)	L9 Tech Chlo...	5.127	4.924	252.5E6	117.6E6	8593.348	9872.165	
34)	L9 Tech Chlo...	5.673	5.566	179.8E6	398413	6286.632	NoCal	#
	Sum Tech Chlordane			653.9E6	117.6E6	23103.460	9872.165	
	Average Tech Chlordane					7701.153	9872.165	

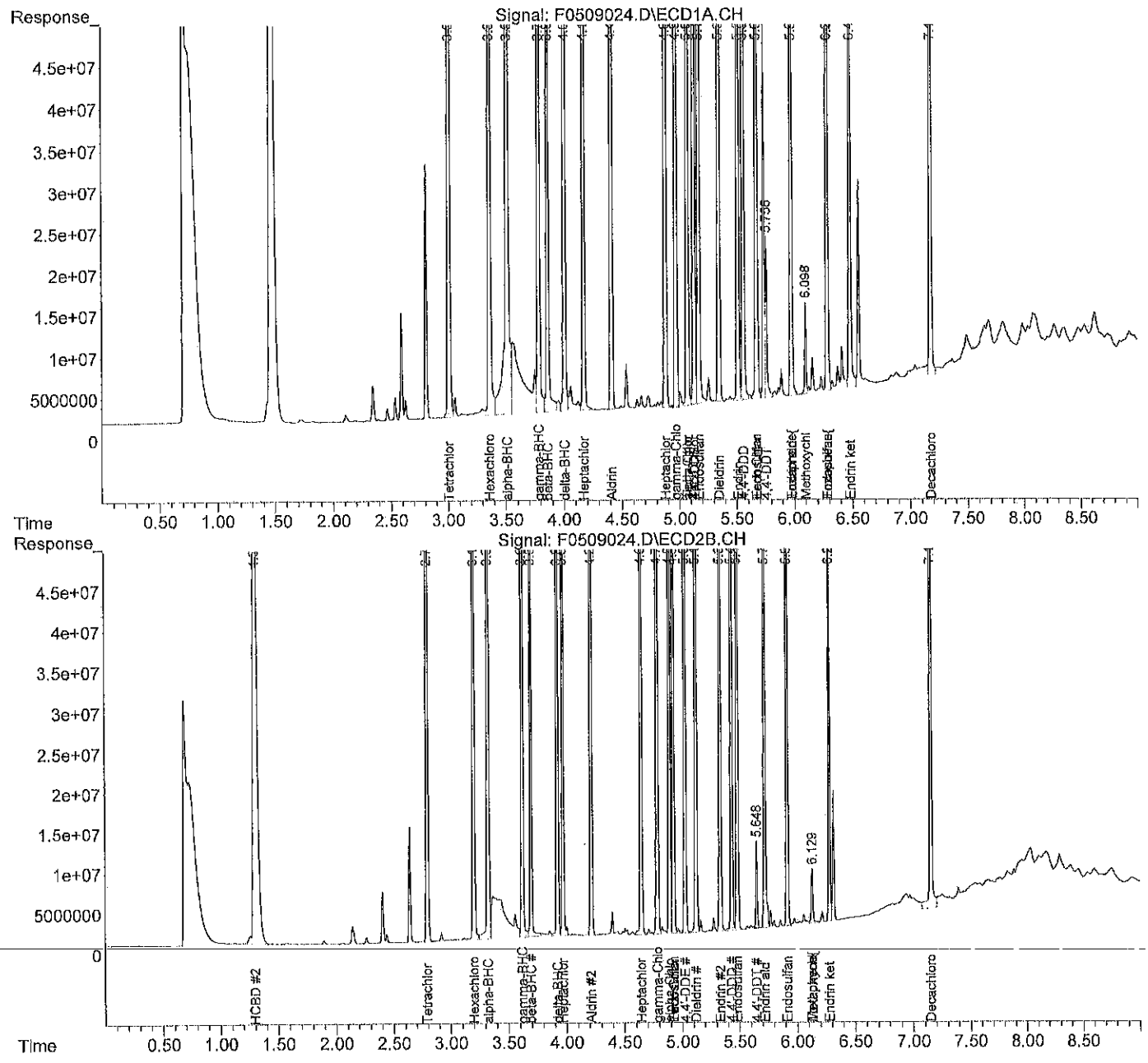
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\F230509\
Data File : F0509024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 May 2023 16:36
Operator : LAD
Sample : PEST MID 0509-4 (PS5-019-08)
Misc :
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 16:45:08 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_NEW.M
Quant Title : Pestcides
QLast Update : Tue May 09 12:07:09 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Lab ID: PEST EVAL 0608-1
Date Analyzed: 6-8-23
File ID:F230508\F0508003
Instrument: FRANK

EPA Method 8081
DDT/ENDRIN Breakdown

Lab ID: PEST EVAL 0608-1

Analyte	Column 1 % Breakdown	Column 2 % Breakdown
Endrin	10.0%	10.5%
4,4'-DDT	8.0%	9.0%

Lab ID: PEST EVAL 0609-2
Date Analyzed: 6-9-23
File ID:F230509\F0509011
Instrument: FRANK

EPA Method 8081
DDT/ENDRIN Breakdown

Lab ID: PEST EVAL 0609-2

Analyte	Column 1 % Breakdown	Column 2 % Breakdown
Endrin	3.2%	3.5%
4,4'-DDT	6.2%	7.5%

Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Frank\DATA\F230508\
Data File : F0508003.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2023 9:24
Operator : LAD
Sample : PEST EVAL 0508-1 (PS5-019-08)
Misc. :
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 08 09:35:37 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
	Target Compounds							
8)	A Heptachlor	4.231	0.000	349795	0	0.094	N.D.	#
9)	A Aldrin	4.494f	0.000	262607	0	0.070	N.D.	#
10)	A Heptachlo...	4.941	0.000	839257	0	0.280	N.D.	#
11)	A gamma-Chl...	5.025	4.830f	93403	276775	0.030	0.203	#
13)	A 4,4'-DDE	5.190	5.081	1967572	713327	0.639	0.526	
14)	A Endosulfan I	5.248f	0.000	159025	0	0.059	N.D.	#
16)	A Endrin	5.579	5.392	338.1E6	120.2E6	116.131	103.344	
17)	A 4,4'-DDD	5.623	5.488	23784529	8135817	8.451	7.215	
18)	A Endosulfa...	0.000	5.524f	0	2404749	N.D.	2.102	#
19)	A 4,4'-DDT	5.822	5.707	295.6E6	75508183	130.438	97.388	#
20)	A Endrin al...	6.041	5.779	10010707	3594534	4.468	3.627	
23)	A Endrin ke...	6.549	6.339	276145[illegible]	8853[illegible]	9.554	6.989	#
27)	L8 Toxaphene{3}	6.041	5.832	10010707	414237	891.965	NoCal	#
	Sum Toxaphene			10010707	0	891.965	N.D.	
Average	Toxaphene					891.965	0.000	
33)	L9 Tech Chlo...	5.190	0.000	1967572	0	66.971	N.D.	#
	Sum Tech Chlordane			1967572	0	66.971	N.D.	
Average	Tech Chlordane					66.971	0.000	

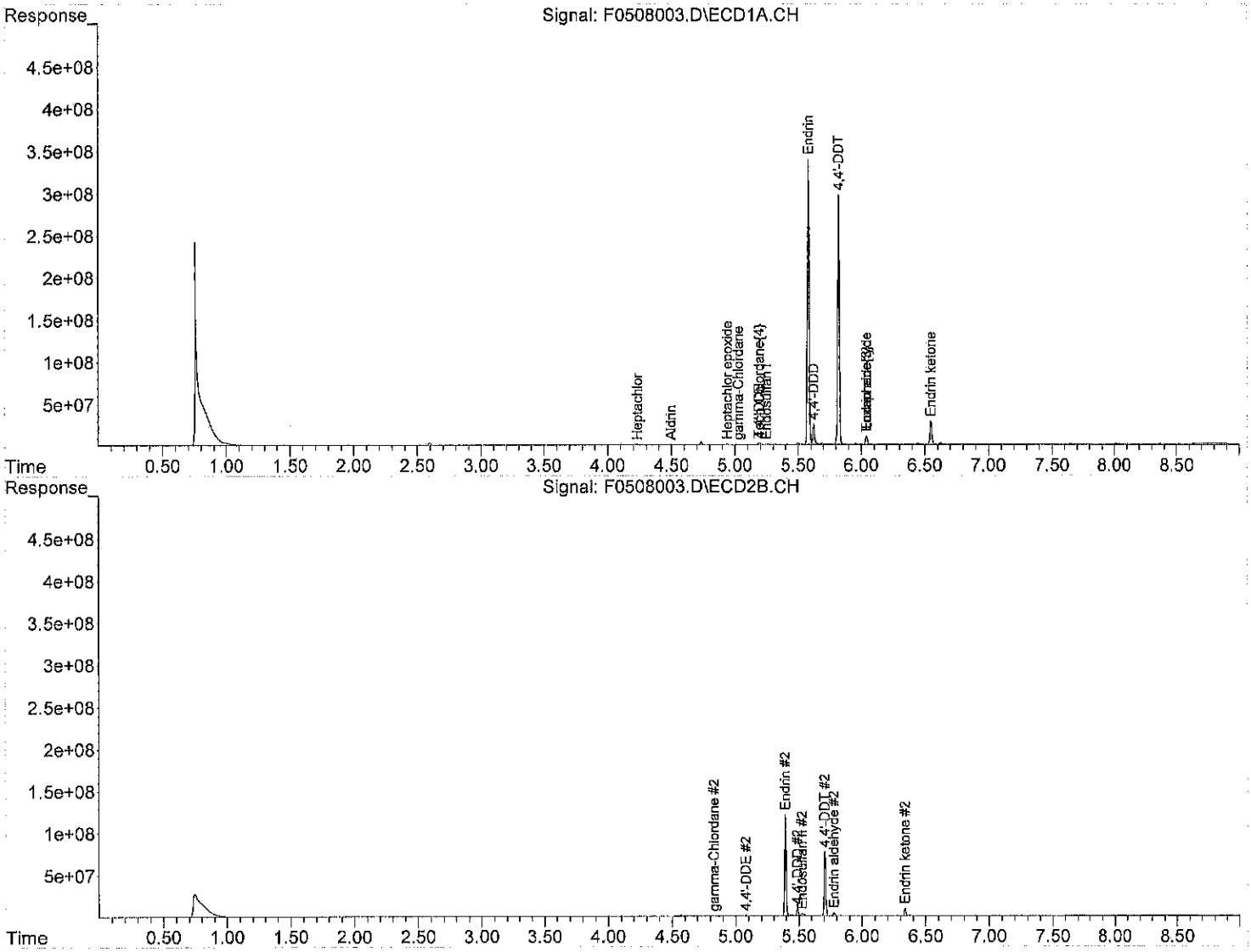
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

P230505_new.M Mon May 08 09:35:38 2023

DDT = 8.0%, 10.5% ✓

Endrin = 10%, 9.0%.

File :X:\PEST\Frank\DATA\F230508\F0508003.D
Operator : LAD
Acquired : 08 May 2023 9:24 using AcqMethod P230505_NEW.M
Instrument : Frank
Sample Name: PEST EVAL 0508-1 (PS5-019-08)
Misc Info :
Vial Number: 3



Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Frank\DATA\F230509\
Data File : F0509011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 May 2023 11:37
Operator : LAD
Sample : PEST EVAL 0509-2 (PS5-019-08)
Misc :
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 12:09:02 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
2) S	Tetrachlo...	2.976f	0.000	237563	0	0.078	N.D.	#
Spiked Amount	100.000			Recovery	=	0.08%	0.00%	
24) S	Decachlor...	7.165	0.000	825601	0	0.357	N.D.	#
Spiked Amount	100.000			Recovery	=	0.36%	0.00%	
	Target Compounds							
10) A	Heptachlo...	4.875	4.629f	369543	384087	0.123	0.296	#
11) A	gamma-Chl...	4.962	4.772	403247	298807	0.130	0.219	#
12) A	alpha-Chl...	0.000	4.899f	0	360049	N.D.	0.279	#
13) A	4,4'-DDE	5.125	5.022	3541677	1513136	1.150	1.115	
14) A	Endosulfan I	5.173	0.000	448945	0	0.168	N.D.	#
15) A	Dieldrin	5.341	0.000	82090	0	0.027	N.D.	#
16) A	Endrin	5.511	5.330	283.6E6	116.0E6	97.404	99.730	
17) A	4,4'-DDD	5.558	5.429	10992177	5520359	3.906	4.895	#
18) A	Endosulfa...	5.659f	5.465f	1995647	1219723	0.694	1.066	#
19) A	4,4'-DDT	5.756	5.648	219.1E6	87212699	96.657	112.484	
20) A	Endrin al...	5.973	5.718	1707206	861272	0.344	0.262	
23) A	Endrin ke...	6.480	6.276	7694959	3351622	2.662	2.801	
27) L8	Toxaphene{3}	5.973	5.770	1707206	167836	152.114	NoCal	#
Sum	Toxaphene			1707206	0	152.114	N.D.	
Average	Toxaphene					152.114	0.000	
32) L9	Tech Chlo...	5.093f	0.000	486194	0	18.040	N.D.	#
33) L9	Tech Chlo...	5.125	4.899f	3541677	360049	120.549	30.215	#
34) L9	Tech Chlo...	5.659f	5.584	1995647	156727	69.782	NoCal	#
Sum	Tech Chlordane			6023519	360049	208.372	30.215	
Average	Tech Chlordane					69.457	30.215	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

DDT = 6.2%, 7.5%

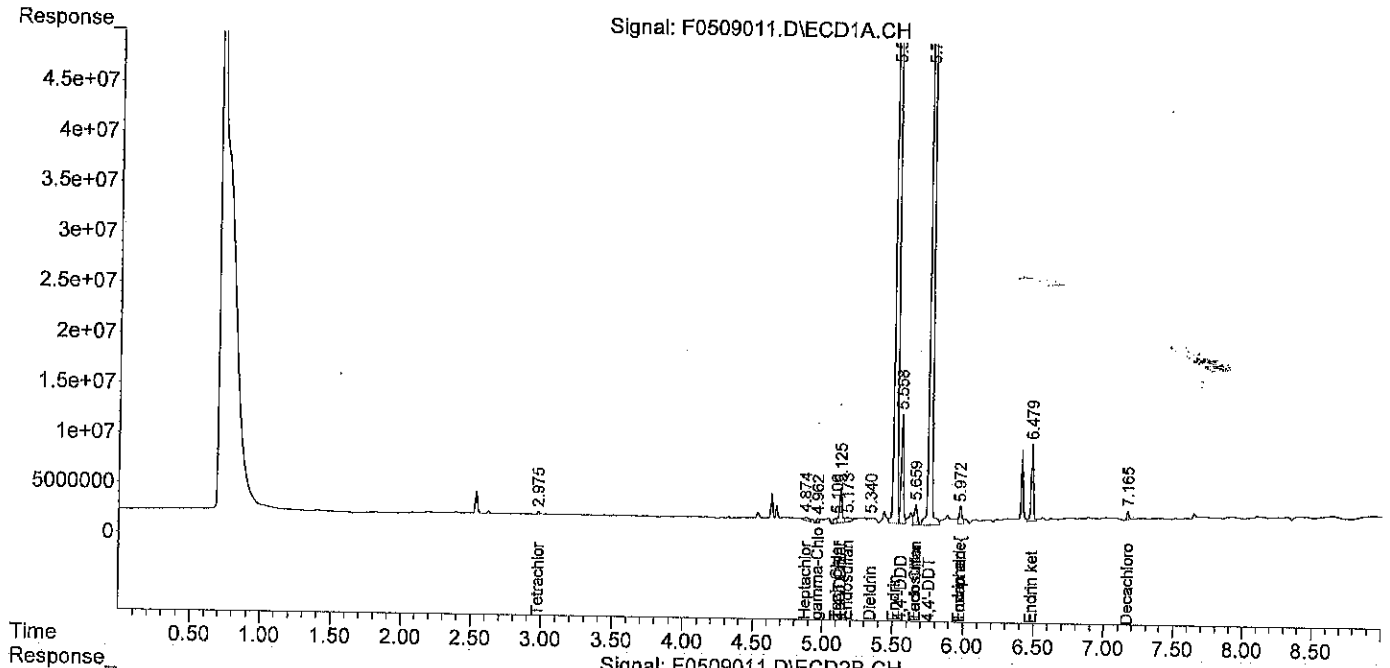
Endrin = 3.2%, 3.5%

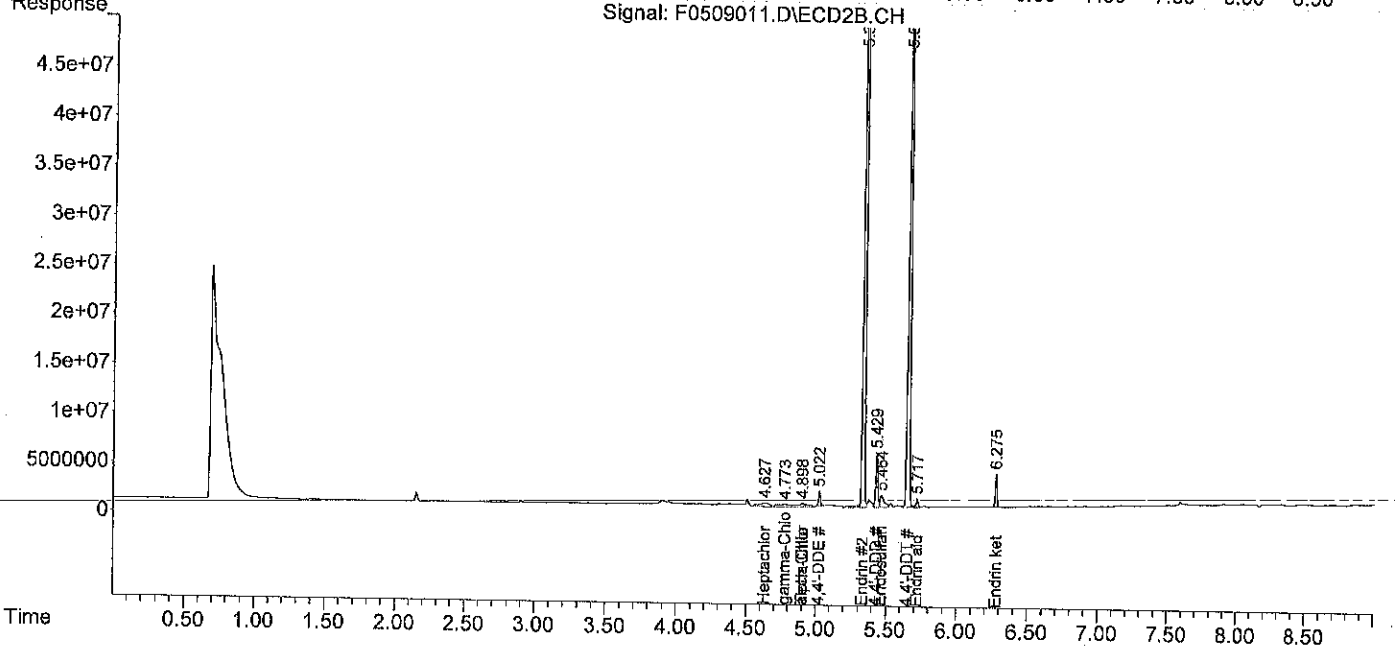
Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Frank\DATA\F230509\
Data File : F0509011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 May 2023 11:37
Operator : LAD
Sample : PEST EVAL 0509-2 (PS5-019-08)
Misc :
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 12:09:02 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





Sequence Name: C:\msdchem\1\sequence\F230508.s
Comment:
Operator: LAD
Data Path: C:\MSDCHEM\1\DATA\F230508\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
(X) On Mismatch, Don't Inject
( ) Barcode Disabled

Line		Sample Name/Misc Info
1) Sample	1	HEX
Datafile		F0508001
Method		P230505_NEW
2) Sample	2	HEX
Datafile		F0508002
Method		P230505_NEW
3) Sample	3	PEST EVAL 0508-1 (PS5-019-08)
Datafile		F0508003
Method		P230505_NEW
4) Sample	4	PEST MID 0508-1 (PS5-021-02)
Datafile		F0508004
Method		P230505_NEW
5) Sample	5	TECH CHLORDANE SPQ PS5-019-06
Datafile		F0508005
Method		P230505_NEW
6) Sample	6	MB0504W1
Datafile		F0508006
Method		P230505_NEW
7) Sample	7	MB0505S2
Datafile		F0508007
Method		P230505_NEW
8) Sample	8	SB0504W1
Datafile		F0508008
Method		P230505_NEW
9) Sample	9	SBD0504W1
Datafile		F0508009
Method		P230505_NEW
10) Sample	10	SB0505S2
Datafile		F0508010
Method		P230505_NEW
11) Sample	11	SBD0505S2
Datafile		F0508011
Method		P230505_NEW
12) Sample	12	HEX
Datafile		F0508012
Method		P230505_NEW
13) Sample	13	PEST MID 0508-2 (PS5-021-02)
Datafile		F0508013
Method		P230505_NEW
14) Sample	14	05-020-01
Datafile		F0508014
Method		P230505_NEW
15) Sample	15	HEX
Datafile		F0508015
Method		P230505_NEW
16) Sample	16	HEX
Datafile		F0508016
Method		P230505_NEW
17) Sample	17	HEX
Datafile		F0508017
Method		P230505_NEW
18) Sample	18	HEX
Datafile		F0508018
Method		P230505_NEW

19) Sample	19	HEX
Datafile		F0508019
Method		P230505_NEW
20) Sample	20	PEST MID 0508-3 (PS5-021-02)
Datafile		F0508020
Method		P230505_NEW
21) Sample	21	04-330-01 25X
Datafile		F0508021
Method		P230505_NEW
22) Sample	22	04-330-04 25X
Datafile		F0508022
Method		P230505_NEW
23) Sample	23	04-330-02 50X
Datafile		F0508023
Method		P230505_NEW
24) Sample	24	04-330-03 25X
Datafile		F0508024
Method		P230505_NEW
25) Sample	25	04-330-05 25X
Datafile		F0508025
Method		P230505_NEW
26) Sample	26	HEX
Datafile		F0508026
Method		P230505_NEW
27) Sample	27	PEST MID 0508-4 (PS5-021-02)
Datafile		F0508027
Method		P230505_NEW
28) Sample	28	
Datafile		F0508028
Method		P230505_NEW
29) Sample	29	
Datafile		F0508029
Method		P230505_NEW
30) Sample	30	
Datafile		F0508030
Method		P230505_NEW
31) Sample	31	
Datafile		F0508031
Method		P230505_NEW

Sequence Name: C:\msdchem\1\sequence\F230509.s
Comment:
Operator: LAD
Data Path: C:\MSDCHEM\1\DATA\F230509\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
(X) On Mismatch, Don't Inject
( ) Barcode Disabled

Line		Sample Name/Misc Info
1) Sample	1	HEX
Datafile		F0509001
Method		P230505_NEW
2) Sample	2	HEX
Datafile		F0509002
Method		P230505_NEW
3) Sample	3	PEST EVAL 0509-1 (PS5-019-08)
Datafile		F0509003
Method		P230505_NEW
4) Sample	4	PEST MID 0509-1 (PS5-021-02)
Datafile		F0509004
Method		P230505_NEW
5) Sample	5	HEX
Datafile		F0509005
Method		P230505_NEW
6) Sample	6	HEX
Datafile		F0509006
Method		P230505_NEW
7) Sample	7	HEX
Datafile		F0509007
Method		P230505_NEW
8) Sample	8	HEX
Datafile		F0509008
Method		P230505_NEW
9) Sample	9	HEX
Datafile		F0509009
Method		P230505_NEW
10) Sample	10	HEX
Datafile		F0509010
Method		P230505_NEW
11) Sample	11	PEST EVAL 0509-2 (PS5-019-08)
Datafile		F0509011
Method		P230505_NEW
12) Sample	12	PEST MID 0509-2 (PS5-021-02)
Datafile		F0509012
Method		P230505_NEW
13) Sample	13	SBD0505S2
Datafile		F0509013
Method		P230505_NEW
14) Sample	14	SB0505S2
Datafile		F0509014
Method		P230505_NEW
15) Sample	15	HEX
Datafile		F0509015
Method		P230505_NEW
16) Sample	16	PEST MID 0509-3 (PS5-019-08)
Datafile		F0509016
Method		P230505_NEW
17) Sample	17	04-330-01 10X
Datafile		F0509017
Method		P230505_NEW
18) Sample	18	04-330-05 10X
Datafile		F0509018
Method		P230505_NEW

19) Sample	19	04-330-04 10X
Datafile		F0509019
Method		P230505_NEW
20) Sample	20	04-330-02 20X
Datafile		F0509020
Method		P230505_NEW
21) Sample	21	04-330-03 10X
Datafile		F0509021
Method		P230505_NEW
22) Sample	22	HEX
Datafile		F0509022
Method		P230505_NEW
23) Sample	23	HEX
Datafile		F0509023
Method		P230505_NEW
24) Sample	24	PEST MID 0509-4 (PS5-019-08)
Datafile		F0509024
Method		P230505_NEW

Environmental Inc.

PCB'S EXTRACTION LOG

841

Date: 5/5/23 Time Ext. _____ am/pm

Analysis: Pest

Matrix: Soil

Surrogate Std. I.D: PSS-017-01

Spike Std. I.D: PSS-020-01

LAB ID	pH	SAMPLE W/V	INTER VOLUME	ALIQUOT TAKEN	ALIQUOT FIN VOL	SAMPLE FIN VOL	AMT SUR	AMT SPK	CLEAN UP	ANALYST	COMMENTS/ BATCH QA
MB050552		50g	100ml	50ml	0.5ml	1	100ml	/	/	MB	
SB050552		20g	1	5 ml	1ml	20	1	100ml	1	1	Surr: PSS-021-06
SBD050552		1	1	1	1	1	1	1	1	1	1
04-330-01b		50g	1	50ml	0.5ml	1	1	/	1	1	
02b		1	1	1	1	1	1	1	1	1	
03b		1	1	1	1	1	1	1	1	1	
04b		1	1	1	1	1	1	1	1	1	
05b		1	1	1	1	1	1	1	1	1	

CLD 5/15/23

Clean-up (A)Acid cleanup (S)Silica gel cleanup (F)Florisil cleanup (H)Mercury Cleanup

Description	LAB ID	CONC	MFR/ Lot #	Date Recd	Initials
AR1221	PNZ-16-01	1000 ppm	Agilent CS-0155	8/11/20	KMS
AR1248	PNZ-16-02	1000 ppm	Agilent 0000525168	8/14/20	KMS
AR1260 Stock	PNZ-16-03	5000 ppm	agilent 0006544801	9/15/20	KMS
AR1262	PNZ-16-04	100 ppm	Agilent 0000499800	9/15/20	KMS
Toxaphene	PNZ-16-05	1000 ppm	AccuStd 217111217	9/24/20	KMS
~~Dalapon, Acid~~	~~PNZ-16-06~~	~~1000 ppm~~	AccuStd 220031455-01	11/17/20	KMS Used 11/19
Bentazon, Acid	PNZ-16-07	1000 ppm	AccuStd 220093392		
2,4,6-Trichlorophenol	PNZ-16-08	100 ppm	Agilent 0006463719		
MCPA, Acid	PNZ-16-09	2000 ppm	AccuStd 220081009		
Herbs, Acid	PNZ-16-10	100/10000 ppm	AccuStd 218121181-01		Discard 12/14/21 KMS
~~AR1016~~	~~PNZ-16-11~~	~~1000 ppm~~	Agilent CS-1400	12/3/20	KMS Discard 5/10/21
DCB	PNZ-16-12	1000 ppm	Agilent 0006513005	↓	↓
TCMX	PNZ-16-13	2000 ppm	Agilent CS-1989	1-7-21	KMS
HCBD	PNZ-16-14	2000 ppm	AccuStd 220081360	1-12-21	KMS
Herbs, ME	PNZ-16-15	100/10000 ppm	AccuStd 217081017-01	1-21-21	KMS Used 1/25/22
~~DCAA, ME~~	~~PNZ-16-16~~	~~100 ppm~~	AccuStd 220071258		Discard 5/10/21
Bentazon Methyl	PNZ-16-17	100 ppm	AccuStd 216041398-02	↓	↓
~~2,4,6-TCP ME~~	~~PNZ-16-18~~	~~100 ppm~~	Sigma-Aldrich LRAC8542	2/19/21	KMS Discard 5/10/21 Used up 1/28/22
~~2,4,6-TCP ME~~	~~PNZ-16-19~~	~~100 ppm~~	↓	↓	↓
~~Pest Stock~~	~~PNZ-16-20~~	~~1000 ppm~~	AccuStd 000654678	4/21/21	KMS Discard 10/5/21
DCB	PNZ-16-21	1000 ppm	Agilent 0006549545	4/30/21	KMS
AR1200 Stock	PNZ-16-22	5000 ppm	Agilent 0006544801	6/7/21	KMS Used 5/11/22
TCMX	PNZ-16-23	2000 ppm	Agilent 0006612638	7/13/21	KMS Used 5/4/22
Herb ICV	PNZ-16-24	100, 10000 ppm	Agilent 0006543710	7/13/21	KMS
~~ECB~~	~~PNZ-16-25~~	~~1000 ppm~~	Agilent 0006599545	7/28/21	KMS Used 5/11/22
~~DCAA, Acid~~	~~PNZ-16-26~~	~~100 ppm~~	AccuStd 220021228-01	8-3-21	KMS Used 12/14/22
HCB	PNZ-16-27	2000 ppm	AccuStd 217101125	10/21/21	KMS

Description	Lab ID	Conc	MFR/ Lot #	Date Rec'd	Initials
Pesticide Mix ICV	PNZ-17-01	1000 100ppm	AccuStd 22102152	10/21/21	KMS
Dalapon, Acid	PNZ-17-02	1000 ppm	AccuStd 22003145502		Sig. Used 4/22/22 KMS
Tech Chlordane	PNZ-17-03	1000 ppm	AccuStd 22102254		
TCMX	PNZ-17-04	2000 ppm	Agilent 0006626238	12/6/21	KMS
Herb, Acids	PNZ-17-05	100/10000 ppm	AccuStd 22109379	12/9/21	KMS
Pentachlorophenol	PNZ-17-06	5000 ppm	AccuStd 22006599	12/9/21	KMS
AR1260 Stock	PNZ-17-07	5000 ppm	Agilent 0006544801	12/14/21	KMS
Pest Mix	PNZ-17-08	1000 ppm	Agilent 0006626043	12/14/21	KMS
DCB	PNZ-17-09	1000 ppm	Agilent 0006595545	1/13/22	KMS
DCAA, Acid	PNZ-17-10	100 ppm	AccuStd 22081286	1/13/22	KMS
AR1016	PNZ-17-11	1000 ppm	Agilent 0006609655	1/25/22	KMS
AR1232	PNZ-17-12	1000 ppm	Agilent CS-0560		
AR1254	PNZ-17-13	1000 ppm	Agilent CR-1152		
AR1260	PNZ-17-14	1000 ppm	Agilent 0006592724		
AR1268	PNZ-17-15	100 ppm	Agilent 0006587800		
AR1016 ICV	PNZ-17-16	1000 ppm	Sigma LRAC3582	1/27/22	KMS
AR1260 ICV	PNZ-17-19	1000 ppm	Sigma LRAD1068	1/27/22	KMS
DCAA, ME	PNZ-17-22	100 ppm	AccuStd 22201517	1/27/22	KMS
EDB ICV	PNZ-17-23	200 ppm	AccuStd 22011118	2/3/22	KMS
Herbs, ME	PNZ-17-24	Varied	AccuStd 21708111-01	3/3/22	KMS
*DCAA, ME	PNZ-17-25	100 ppm	AccuStd 22007258-01		
Dalapon, Acid	PNZ-17-26	1000 ppm	AccuStd 22202548		
EDB/DBCP	PNZ-17-27	200 ppm	Agilent 0006621521	3/29/22	KMS

Description	Lab ID	Conc	MFG/ Lot#	Date Rec'd	Initials
2,4,6-Trichloroanisole	PN2-18-01	100 ppm	Sigma / Aldrich LRAD0857	5/4/22	KMS
↓	↓ ↓ 02	↓	↓	↓	↓
DCB	PN2-18-03	1000 µg/mL (ppm)	Agilent 0006666125	6/14/22	P.B.
AR1221	PN2-18-04	1000 ppb	Agilent CS-0155	6/14/22	P.B.
AR 1242	PN2-18-05	1000 ppb	Agilent 0006557581	6/14/22	P.B.
AR 1248	PN2-18-06	1000 ppb	Agilent 0006626342	6/14/22	P.B.
Toxaphene	PN2-18-07	1000 ppb	AccuStandard 22107537	6/16/22	P.B.
Herb ICV	PN2-18-08	100, 10000 ppm	Agilent 0006622857	7/7/22	P.B.
ICV Single-Column Analytes (Pest mix 2nd source)	PN2-18-09	1000 ppm	AccuStandard M-8081-SC	7/8/22	P.B.
Pest Degredation Std.	PN2-18-10	100 ppm	Restek A0186032	7/11/22	P.B.
Bentazon, Me	PN2-18-11	100 ppm	AccuStandard 216041398-02	7/21/22	P.B.
Pest ICV 2nd Source	PN2-18-12	1000 ppm	AccuStandard M-8081-SC	8/4/22	P.B.
TCMX Surr	PN2-18-13	2000 ppm	Agilent IST-440-1	8/19/22	P.B.
DCB Surr.	PN2-18-14	1000 ppm	Agilent 0006666125	10/18/22	P.B.
AR1260 Stock Std.	PN2-18-15	5000 ppm	Agilent 0006544801	11/15/22	P.B.
AR1016 ICV	PN2-18-16	1000 ppm	Sigma LRAD2481	12/14/22	P.B.
↓	PN2-18-17	↓	↓	↓	↓
↓	PN2-18-18	↓	↓	↓	↓
Herb ICV	PN2-18-19	100, 10000 ppm	Agilent 0006681060	1/10/23	P.B.
~~Diabetes~~	~~PN2-18-19~~				
DCAA, acid	PN2-018-20	100 ppm	AccuStandard 222101305	1/12/23	P.B.
DCAA, Me	PN2-018-21	100 ppm	AccuStandard 222011517	1/12/23	P.B.
Pentachloroanisole	PN2-018-22	100 ppm	AccuStandard 219121331	1/12/23	P.B.
Herbs, Me	PN2-018-23	100/10000 ppm	AccuStandard 217081111-01	1/12/23	P.B.
Bentazon, Me	PN2-018-24	100 ppm	AccuStandard 222091037	1/12/23	P.B.
2,4,6-Trichloroanisole	PN2-018-25	100 ppm	AccuStandard LRAD0857	1/12/23	P.B.
↓	-26	↓	↓	↓	↓
↓	-27	↓	↓	↓	↓
2,4,6-Trichlorophenol	PN2-018-28	100 ppm	Agilent	2/7/23	P.B.

Description	Lab ID	Conc.	MFG/ Lot #	Date Rec'd	Initials
DCB Surr.	PN2-19-01	1000 ppm	Agilent 0006666125	2/21/23	P.B.
TCMX Surr.	PN2-19-02	2000 ppm	Agilent 0006672638	2/21/23	P.B.
Herbs, Acid	PN2-19-03	100/1000 ppm	Accustandard 22211180	2/23/23	P.B.
Bentazon, Acid	PN2-19-04	1000 ppm	Accustandard 22212160	2/23/23	P.B.
Toxaphene 2nd Src.	PN2-19-05	100 ppm	Agilent 0006701582	3/7/23	P.B.
Pest ICV 2nd Src.	PN2-19-06	1000 ppm	Accustandard M-8081-SC	3/10/23	P.B.
Toxaphene Primary Src.	PN2-19-07	1000 ppm	Accustandard 22107 1537	3/10/23	P.B.
Tech Chlordane Primary Src	PN2-19-08	1000 ppm	Accustandard 22212208	3/10/23	P.B.
Tech Chlordane 2nd Src	PN2-19-09	1000 ppm	Supelco LRAD2866	3/10/23	P.B.
Aroclor 1260 Stock Std	PN2-19-10	5000 ppm	Agilent 0006544801	3/14/23	P.B.
Dalapon, Me in Hexane	PN2-19-11	2000 µg/mL	Restek ~~Ato9~~ A0193324	3/14/23	P.B.
↓	↓ -12	↓	↓	↓	↓
Dalapon, Me Methanol	PN2-19-13	1000 µg/mL	Agilent 0006733162	3/20/23	P.B.
Dalapon, Me Methanol	PN2-19-14	1000 µg/mL	Restek A0170243	3/22/23	P.B.
Dalapon, Me Methanol	PN2-19-15	1000 µg/mL	Restek A0195901	3/22/23	P.B.
2,4,6-Trichlorophenol	PN2-19-16	100 µg/mL	Agilent 0006634460	4/19/23	P.B.
AR ~~1262~~ 1242	PN2-19-17	1000 µg/mL	Agilent 0006557681	4/19/23	P.B.
AR 1248	PN2-19-18	1000 µg/mL	Agilent 0006626342	4/19/23	P.B.
AR 1262	PN2-~~19~~-~~18~~19	100 µg/mL	Agilent 0006715896	4/19/23	P.B.
2,4,6-Trichloroanisole	PN2-19-20	100 µg/mL	Supelco LRAD0857	4/21/23	P.B.
↓	↓ -21	↓	↓	↓	↓
	↓ -22				
Bentazon, Acid	PN2-19-23	1000 µg/mL	Accustandard 22208 1089	4/21/23	P.B.
~~2,4~~ DCAA, Me	PN2-19-24	0.1 mg/mL	Accustandard 22201517-01	4/21/23	P.B.
EDB/DBCP ICV	PN2-19-25	200 ng/mL	Agilent 0006621521	4/25/23	LAB

16

Name	Lab ID	Stock ID	Stock Conc.	Stock Vol.	Final Vol.	Final Conc.	Solvent	Date	Std. Used?	Exp.
AR1221 SPQ ~~TCMX/DCB~~	PSS-016-01	PN2-16-01	1000 ppm	12.5 µL	25 mL	0.5 ppm	hexane	10/25/22	P.B.	4/25/23
AR1232 SPQ	PSS-016-02	PN2-17-12								
AR 1242 SPQ	PSS-016-03	PN2-15-13								
AR1248 SPQ	PSS-016-04	PN2-16-02								
AR1254 SPQ	PSS-016-05	PN2-17-13								
AR1262 SPQ	PSS-016-06	PN2-16-04	1000 ppm	125 µL						
AR 1268 SPQ	PSS-016-07	PN2-17-15								
Pest/PCB Surr.	PSS-016-08	–			25 mL	20 ppm	Acetone	10/27/22	P.B.	4/27/23
TCMX		PN2-18-13	2000 ppm	0.25 mL						
DCB		PN2-8-03	1000 ppm	0.5 mL						
PCB Stock	PSS-016-09	–	–		10 mL		Hexane	11/8/22	P.B.	11/8/23
AR 1016		PN2-17-11	1000 ppm	250 µL		25 ppm				
AR 1260		PN2-17-14								
TCMX		PN2-18-13	2000 ppm	25 µL		5 ppm				
DCB		PN2-18-03	1000 ppm	50 µL						
PCB ~~ECD~~ IC	–	–	–	–	–	ppm	Hexane	11/8/22	P.B	11/8/23
0.02 ppm	PSS-016-10	PSS-016-09	25/5 ppm	20 µL	25 mL	0.02/0.04				
0.05	-11			50 µL		0.05/0.1				
0.1	-12			100 µL		0.1/0.2				
0.25	-13			250 µL		0.25/0.5				
0.5	-14			500 µL		0.5/1.0				
0.75	-15			750 µL		0.75/1.5				
0.1	-16			1.0 mL		1.0/2.0				
0.2	-17			2.0 mL		2.0/4.0				
PCB CCV	PSS-016-18	PSS-016-09	–	0.5 mL	25 mL	Remade 12/8/22 –	Hexane	11/9/22	P.B.	5/9/23
AR1016/1260			25 ppm			0.5 ppm				
TCMX/DCB			5 ppm			0.1 ppm				

Name	Lab ID	Stock ID ~~Conc~~	Stock Conc. Unit	Stock Vol.	Final Vol.	Final Conc.	Solvent	Date	Initials	Exp.
*HRB Surr (water)	PSS-017-01	–	–	~~25 mL~~	25 mL	2 ppm	Acetone	11/10/22	P.B.	5/10/23
TCMX	"	PN2-18-13	2000 ppm	25 µL	"	"	"	"	"	"
DCB	"	PN2-18-03	1000 ppm	50 µL	"	"	"	"	"	"
*~~H2O~~ Soil Spike	PSS-017-02	PN2-17-08	1000 ppm	0.5 mL	25 mL	20 ppm	Acetone	"	"	"
20 pests				Remade 5/4/23						
*H2O Spike	PSS-017-03	PSS-017-02	20 ppm	0.5 mL	10 mL	1 ppm	"	"	"	"
20 pests		5/4/23								
*HRB Soil Surr	PSS-017-04	–			25 mL					
TCMX	"	PN2-18-13	2000 ppm	0.25 mL	"	0.5 ppm	"	"	"	"
DCB	"	PN2-18-14	1000 ppm	0.5 mL	"	0.1 ppm	"	"	"	"
*Mid CCV	PSS-017-05	PSS-012-10	25 ppm	100 µL	25 mL	100 ppb	Hexane	11/18/22	P.B.	5/18/23
B Soil Spike	PSS-17-06	PN2-017-01	5000 ppm	0.5 mL	25 mL	100 ppm	Acetone	11/30/22	P.B	5/30/23
*HRB Soil Surr	PSS-017-01	–		Remade	12/27/22 25 mL		Acetone	11/30/22	P.B.	5/30/23
TCMX	"	PN2-18-13	2000 ppm	0.25 mL	"	0.5 ppm	"	"	"	"
DCB	"	PN2-18-14	1000 ppm	0.5 mL	"	0.1 ppm	"	"	"	"
*Evnl Endrin/DDT	PSS-017-08	PN2-18-10	100 ppm	25 µL	25 mL	100 ppb	Hexane	12/5/22	P.B	6/5/23
CB CCV	PSS-017-09	PSS-016-09	–	0.5 mL	25 mL	–	Hexane	12/8/22	P.B.	6/8/23
AR1016/1260	"	"	25 ppm	"	"	0.5 ppm	"	"	"	"
TCMX/DCB	"	"	5 ppm	"	"	0.1 ppm	"	"	"	"
CB ICV Stock	PSS-017-10	–	–	–	–	–	Hexane	12/14/22	P.B.	12/14/23
AR1016	"	PN2-18-16	1000 ppm	250 µL	10 mL	25 ppm	"	"	"	"
AR1260	"	PN2-17-19	"	"	"	25 ppm	"	"	"	"
TCMX	"	PN2-18-13	2000 ppm	25 µL	"	5 ppm	"	"	"	"
DCB	"	PN2-18-14	1000 ppm	50 µL	"	5 ppm	"	"	"	"
CB ICV	PSS-017-11	PSS-017-10	–	0.5 mL	25 mL	–	Hexane	12/14/22	P.B.	6/14/23
AR1016/1260	"	"	25 ppm	"	"	0.5 ppm	"	"	"	"
TCMX/DCB	"	"	5 ppm	"	"	0.1 ppm	"	"	"	"

18

Name	Lab ID	Stock ID	Stock conc.	Stock Vol.	Final Vol.	Final Conc.	Solvent	Date	Initials	Exp.
EDB Surr.	PSS-018-01	—	—	—	100 mL	—	MeOH	12/27/22	P.B.	6/27/23
TCMX	"	PN2-18-13	2000 ppm	17.5 µL	"	0.35 ppm	"	"	"	"
PCB/Pest Soil Surr	PSS-018-02	—	—	—	25 mL	20 ppm	Acetone	12/27/22	P.B.	6/27/23
TCMX	"	PN2-018-13	2000 ppm	250 µL	"	"	"	"	"	"
DCB	"	PN2-018-14	1000 ppm	500 µL	"	"	"	"	"	"
Herb Stock	PSS-018-03	—	—	—	10 mL	—	Acetone/ Hexane	12/30/22	P.B.	6/30/23
10 Herbs/Me	"	PN2-17-24	100/10000 ppm	1 mL	"	10/1000 ppm	"	"	"	"
DCAA, Me	"	PN2-17-22	100 ppm	"	"	10 ppm	"	"	"	"
2,4,6-TCP, Me	"	PN2-18-02	"	"	"	10 ppm	"	"	"	"
Bentazon, Me	"	PN2-18-11	"	0.5 mL	"	50 ppm	"	"	"	"
PCP, Me	"	PN2-15-19	"	100 µL	"	10 ppm	"	"	"	"
Herb IC	~~PSS-018-04~~	PSS-018-03	10 ppm, etc	—			Hexane	12/30/22	P.B.	6/30/23
2.0 ppb	PSS-018-04	"	"	2 µL	10 mL	2.0 ppb	"	"	"	"
5.0 ppb	-05	"	"	5	"	5.0	"	"	"	"
10	-06	"	"	10	"	10	"	"	"	"
25	-07	"	"	25	"	25	"	"	"	"
50	-08	"	"	50	"	50	"	"	"	"
100	-09	"	"	100	"	100	"	"	"	"
250	-10	"	"	250	"	250	"	"	"	"
500	-11	"	"	500	"	500	"	"	"	"
1000	-12	"	"	1000	"	1000	"	"	"	"
Herb CCV	PSS-018-13	PSS-018-03	100/1000 ppm	0.25 mL	25 mL	100/1000 ppb	Hexane	12/30/22	P.B.	6/30/23
Herb ICV	PSS-018-14	PN2-18-08	100 ppm	10 ~~25~~ µL	10 ~~25~~ mL	100 ppb	Pesticide Acetone	12/30/22	P.B.	6/30/23
Pest IC	—	—	—	—	—	—	Hexane	1/4/23	P.B.	7/4/23
1 ppb	PSS-018-15	PSS-012-10	25 ppm	1 µL	25 mL	1.0 ppb	"	"	"	"
2	-16	"	"	2	"	2.0	"	"	"	"
5	-17	"	"	5	"	5.0	"	"	"	"
10	-18	"	"	10	"	10	"	"	"	"
25	-19	"	"	25	"	25	"	"	"	"
50	-20	"	"	50	"	50	"	"	"	"
100	-21	"	"	100	"	100	"	"	"	"
200	-22	"	"	200	"	200	"	"	"	"
400	-23	"	"	400	"	400	"	"	"	"

Name	Lab ID	Stock ID	Stock Conc	Stock Vol.	Final Vol.	Final Conc.	Solvent	Date	Initials	Exp.
Herb Surr.	PSS-019-01	-	-	-	-	-	-	1/4/23	P.B.	7/4/23
DCAA, acid	-	PN2-017-10	100 ppm	1 mL	10 mL	10 ppm	Acetone	↓	↓	↓
Herb Spike	PSS-019-02	-	-	-	10 mL	-	Acetone	1/4/23	P.B.	7/4/23
10 Herbs, acid	↓	PN2-17-05	100 ppm	1 mL	↓	10 ppm	↓	↓	↓	↓
Dalapon, acid		PN2-17-26	1000	0.9 mL		90 ppm				
PCP, acid		PN2-17-06	5000	2 µL		1 ppm				
Pest Mid CCV	PSS-019-03	PSS-012-10	25 ppm	100 µL	25 mL	100 ppb	Hexane	1/19/23	P.B.	7/19/23
PCB CCV	PSS-019-04	PSS-016-09	-	0.5 mL	25 mL	-	Hexane	1/19/23	P.B.	7/19/23
AR1016/1260	↓	↓	25 ppm	↓	↓	0.5 ppm	↓	↓	↓	↓
TCMX/DCB			5 ppm			0.1 ppm				
Pest/PCB Surr. Spk	PSS-019-05	-	-	-	25 mL	20 ppm	Acetone	1/23/23	P.B.	7/23/23
TCMX	↓	PN2-018-13	2000 ppm	250 µL	↓	↓	↓	↓	↓	↓
DCB		PN2-018-14	1000 ppm	500 µL						
Tech Chlordane SPK	PSS-019-06	PN2-017-03	1000 ppm	125 µL	25 mL	~~500~~ 1000 ppb	Hexane	1/27/23	P.B.	7/27/23
PCB Wk. Spike	PSS-019-07	PN2-017-07	500 ppm	50 µL	25 mL	10 ppm	Acetone	1/31/23	P.B.	7/31/23
AR1260	↓	↓	↓	↓	-	-	-	-	↓	↓
Pest Eval	PSS-019-08	PN2-18-10	100 ppm	25 µL	25 mL	100 ppb	Hexane	2/6/23	P.B.	8/6/23
Endrin/DDT	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
							5 mL/2			
Herb Spike	PSS-019-09	~~PN2-17-05~~	-	-	~~25~~ 10 mL	-	Acetone	2/13/23	P.B.	8/17/23
10 Herbs, Acid	↓	PN2-17-05	100/1000 ppm	1 mL	↓	10/100 ppm	↓	↓	↓	↓
PCP, acid		PN2-17-06	5000 ppm	2 µL		1 ppm				
Bentazon, acid		PN2-16-07	1000 ppm	50 µL		5 ppm				
2,4,6-TCP, acid		PN2-18-28	100 ppm	1 mL		10 ppm				
Pest/PCB Surr.	PSS-019-10	-	-	-	25 mL	20 ppm	Acetone	2/16/23	P.B.	8/16/23
TCMX	↓	PN2-018-13	2000 ppm	250 µL	↓	↓	↓	↓	↓	↓
DCB		PN2-018-14	1000 ppm	500 µL						
Toxaphene SPK	PSS-019-11	PN2-018-07	1000 ppm	25 µL	25 mL	1000 ppb	Hexane	2/28/23	P.B.	8/28/23
Pest ICV	PSS-019-12	PN2-18-12	1000 ppm	5 mL	50 mL	100 ppb	Hexane	2/28/23	P.B.	8/28/23

20

Name	Lab ID	Stock ID	Stock Conc.	Stock Vol.	Final Vol.	Final Conc.	Solvent	Date	Initials	Exp.
PCB Soil Spike	PSS-020-01	PN2-017-~~04~~	5000 ppm	0.5 mL	25 mL	100 ppm	Acetone	3/14/23	P.B.	9/14/23
Herb Stock	PSS-020-02	—	—	~~450 µL~~ 0.45 mL	10 mL	—	Acetone/ Hexane	3/14/23	P.B.	10/9/23 ~~9/14/23~~
Dalapon, me		PN2-19-11	2000 ppm	~~0.45 mL~~		90 ppm				
10 Herbs, me		PN2-18-23	100/1000 ppm	1 mL		10/100 ppm				
DCAA, me		PN2-17-25	100 ppm			10 ppm				
2,4,6-TCP, me		PN2-18-27								
Bentazon, me		PN2-18-24		~~500 µL~~ 0.5 mL		5.0 ppm				
PCP, me		PN2-15-19		100 µL		1.0 ppm				
Herb IC	—	—	—	—	—	—	Hexane	3/15/23	P.B.	9/15/23
2.0 ppb	PSS-020-03	~~PN2-20-02~~	10 ppm, etc.	2 µL	10 mL	2 ppb				
5.0 ppb	-04			5		5				
10 ppb	-05			10		10				
20 ppb	-06			20		20				
50 ppb	-07			50		50				
100 ppb	-08			100		100				
250 ppb	-09			250		250				
500 ppb	-10			500		500				
1000 ppb	-11			1000		1000				
PCB/PCB Soil Surr	PSS-020-12	—	—	—	25 mL	20 ppm	Acetone	3/20/23	P.B.	9/20/23
TCMX		PN2-18-13	2000 ppm	250 µL						
DCB		PN2-18-14	1000 ppm	500 µL						
PCB CCV	PSS-020-13	PSS-016-09	—	0.5 mL	25 mL	—	Hexane	3/20/23	P.B.	9/20/23
AR 1016/1260			25 ppm			0.5 ppm				
TCMX/DCB			5 ppm			0.1 ppm				
Herb Surr.	PSS-020-14	—	—	—	—	—	Acetone	3/23/23	P.B.	9/23/23
DCAA, acid		~~PN2-17-10~~ PN2-18-20	100 ppm	1 mL	10 mL	10 ppm				
Herb Spike	PSS-020-15	—	—	—	10 mL	—	Acetone	3/23/23	P.B.	9/23/23
10 Herbs, acid	~~PSS-19-03~~	PN2-19-03	100/1000 ppm	1 mL	~~100 ppm~~	10/100 ppm				
Dalapon, acid	~~PN2-17-26~~	PN2-17-26	1000	0.9 mL	~~90 ppm~~	90 ppm				
PCP, acid	~~PN2-17-06~~	PN2-17-06	5000	2 µL	~~1 ppm~~	1 ppm				
Bentazon, acid	~~PN2-16-04~~	PN2-16-07	1000	50 µL	~~5 ppm~~	5 ppm				
2,4,6-TCP, acid	~~PN2-18-28~~	PN2-18-28	100	1 mL	~~10 ppm~~	10 ppm				

22 Name	Lab ID	Stock ID	Stock Conc	Stock Vol.	Final Vol.	Final Conc.	Solvent	Date made	Init.	Date Exp
Pest Primer 20 peaks	PS5-022-01	PN2-17-06	1000 ppm	20 µL	10 mL	2 ppm	Hex	5/15/23	LAB	11/15/23
Pest/PCB Surr	PS5-022-02				25 mL	20 ppm	Ace	5/15/23	LAB	11/15/23
TCMX		PN2-18-13	2000 ppm	250 µL	1	1	1	1	1	1
DCB		PN2-19-01	1000 ppm	500 µL						
PCB Spike	PS5-022-03	PN2-17-07	5000 ppm	500 µL	25 mL	100 ppm	Ace	5/30/23	LAB	11/30/23
Pest/PCB Surr	PS5-022-04				25 mL		ACE	6/5/23	LAB	12/5/23
TCMX		PN2-18-13	2000 ppm	250 µL		20 ppm	1	1		
DCB		PN2-19-01	1000 ppm	500 µL		1				

Evaluate Continuing Calibration Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410017.D Vial: 17
Acq On : 10 Apr 2023 6:04 pm Operator: JP
Sample : ICV Inst : Ralph
Misc : SV6-105-01 Multiplr: 1.00
MS Integration Params: rteint.p

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Jun 06 14:17:04 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	25.000	25.000	0.0	108	0.31
2	T	n-Nitrosodimethylamine	20.000	19.967	0.2	104	0.17
3	T	Pyridine	20.000	20.798	-4.0	104	0.17
4	S	2-Fluorophenol	20.000	19.686	1.6	100	0.23
5	S	Phenol-d6	20.000	19.736	1.3	102	0.29
6	M,C,P	Phenol	20.000	20.315	-1.6	104	0.29
7	T	Aniline	20.000	20.378	-1.9	105	0.29
8	T,P	bis(2-Chloroethyl)ether	20.000	20.180	-0.9	105	0.29
9	M,P	2-Chlorophenol	20.000	20.081	-0.4	104	0.30
10	T	n-Decane	20.000	19.263	3.7	103	0.31
11	T	1,3-Dichlorobenzene	20.000	19.788	1.1	105	0.32
12	M,C	1,4-Dichlorobenzene	20.000	19.755	1.2	105	0.31
13	T	Benzyl alcohol	20.000	21.036	-5.2	105	0.33
14	T	1,2-Dichlorobenzene	20.000	19.799	1.0	104	0.32
15	T,P	2-Methylphenol (o-Cresol)	20.000	20.127	-0.6	104	0.32
16	T	bis(2-Chloroisopropyl)ether	20.000	20.410	-2.1	107	0.34
17	T	(3+4)-Methylphenol (m,p-Cre	20.000	20.256	-1.3	104	0.33
18	M,P	n-Nitroso-di-n-propylamine	20.000	20.003	-0.0	105	0.34
19	T,P	Hexachloroethane	20.000	20.236	-1.2	105	0.35
20	I	Naphthalene-d8	25.000	25.000	0.0	106	0.39
21	S	Nitrobenzene-d5	20.000	20.023	-0.1	103	0.36
22	T,P	Nitrobenzene	20.000	20.027	-0.1	104	0.35
23	T,P	Isophorone	20.000	20.012	-0.1	104	0.37
24	C,P	2-Nitrophenol	20.000	21.354	-6.8	105	0.37
25	T,P	2,4-Dimethylphenol	20.000	20.228	-1.1	104	0.38
26	T,P	bis(2-Chloroethoxy)methane	20.000	20.107	-0.5	105	0.37
27	C,P	2,4-Dichlorophenol	20.000	20.634	-3.2	105	0.39
28	M	1,2,4-Trichlorobenzene	20.000	20.026	-0.1	103	0.39
29	T,P	Naphthalene	20.000	20.115	-0.6	104	0.40
30	T,P	4-Chloroaniline	20.000	20.244	-1.2	106	0.40
31	C,P	Hexachlorobutadiene	20.000	19.863	0.7	104	0.41
32	M,C,P	4-Chloro-3-methylphenol	20.000	20.857	-4.3	106	0.42
33	T,P	2-Methylnaphthalene	20.000	19.938	0.3	104	0.45
34	T	1-Methylnaphthalene	20.000	20.312	-1.6	106	0.44
35	I	Acenaphthene-d10	25.000	25.000	0.0	107	0.50#
36	P	Hexachlorocyclopentadiene	20.000	19.118	4.4	101	0.46
37	C,P	2,4,6-Trichlorophenol	20.000	21.893	-9.5	106	0.45
38	T	2,3-Dichloroaniline	20.000	19.690	1.5	99	0.46
39	T,P	2,4,5-Trichlorophenol	20.000	21.195	-6.0	106	0.46
40	S	2-Fluorobiphenyl	20.000	20.217	-1.1	104	0.47
41	T,P	2-Chloronaphthalene	20.000	20.211	-1.1	104	0.47
42	T,P	2-Nitroaniline	20.000	20.668	-3.3	104	0.48
43	T	1,4-Dinitrobenzene	20.000	22.389	-11.9	108	0.49
44	T,P	Dimethylphthalate	20.000	19.695	1.5	104	0.49
45	T	1,3-Dinitrobenzene	20.000	21.088	-5.4	104	0.48
46	T,P	2,6-Dinitrotoluene	20.000	20.991	-5.0	108	0.50
47	T	1,2-Dinitrobenzene	20.000	20.809	-4.0	104	0.49
48	T,P	Acenaphthylene	20.000	19.820	0.9	102	0.49
49	T,P	3-Nitroaniline	20.000	20.650	-3.2	103	0.50
50	P	2,4-Dinitrophenol	20.000	19.642	1.8	110	0.50#
51	M,C	Acenaphthene	20.000	20.029	-0.1	105	0.50#
52	M,P	4-Nitrophenol	20.000	19.427	2.9	104	0.51#
53	M	2,4-Dinitrotoluene	20.000	20.678	-3.4	103	0.51#

(#) = Out of Range

JP 7/18/23

Evaluate Continuing Calibration Report

Data File : X:\SEMIVOLS\RALPH\DATA\R230410\R0410017.D Vial: 17
Acq On : 10 Apr 2023 6:04 pm Operator: JP
Sample : ICV Inst : Ralph
Misc : SV6-105-01 Multiplr: 1.00
MS Integration Params: rteint.p

Method : E:\HPCHEM\1\METHODS\SV230410.M (RTE Integrator)
Title : Semivolatiles by GC/MS - Method 8270D
Last Update : Tue Jun 06 14:17:04 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
54	T,P	Dibenzofuran	20.000	19.732	1.3	104	0.52#
55	T	2,3,5,6-Tetrachlorophenol	20.000	19.589	2.1	103	0.53#
56	T,P	2,3,4,6-Tetrachlorophenol	20.000	21.469	-7.3	100	0.52#
57	T,P	Diethylphthalate	20.000	20.063	-0.3	104	0.53#
58	T,P	4-Chlorophenyl-phenylether	20.000	19.934	0.3	105	0.54#
59	T,P	4-Nitroaniline	20.000	20.324	-1.6	103	0.54#
60	T,P	Fluorene	20.000	19.551	2.2	103	0.54#
61	I	Phenanthrene-d10	25.000	25.000	0.0	108	0.61#
62	T,P	4,6-Dinitro-2-methylphenol	20.000	20.125	-0.6	110	0.55#
63	C,P	n-Nitrosodiphenylamine	20.000	19.984	0.1	105	0.55#
64	T	1,2-Diphenylhydrazine	20.000	20.126	-0.6	102	0.55#
65	S	2,4,6-Tribromophenol	20.000	21.385	-6.9	100	0.56#
66	T,P	4-Bromophenyl-phenylether	20.000	20.408	-2.0	107	0.56#
67	T,P	Hexachlorobenzene	20.000	20.388	-1.9	107	0.57#
68	M,C,P	Pentachlorophenol	20.000	19.086	4.6	103	0.58#
69	T	n-Octadecane	20.000	19.856	0.7	106	0.59#
70	T,P	Phenanthrene	20.000	18.953	5.2	104	0.61#
71	T,P	Anthracene	20.000	19.967	0.2	104	0.61#
72	T	Carbazole	20.000	19.998	0.0	104	0.62#
73	T,P	Di-n-butylphthalate	20.000	20.076	-0.4	106	0.63#
74	C,P	Fluoranthene	20.000	19.230	3.8	103	0.69#
75	I	Chrysene-d12	25.000	25.000	0.0	108	0.82#
76	T	Benzidine	20.000	20.991	-5.0	103	0.71#
77	M,P	Pyrene	20.000	19.138	4.3	104	0.72#
78	S	Terphenyl-d14	20.000	20.072	-0.4	105	0.72#
79	T,P	Butylbenzylphthalate	20.000	20.073	-0.4	103	0.77#
80	T	bis-2-Ethylhexyladipate	20.000	20.229	-1.1	103	0.78#
81	T,P	3,3'-Dichlorobenzidine	20.000	20.363	-1.8	103	0.83#
82	T,P	Benzo[a]anthracene	20.000	19.382	3.1	105	0.82#
83	T,P	Chrysene	20.000	19.565	2.2	106	0.83#
84	T,P	bis(2-Ethylhexyl)phthalate	20.000	20.068	-0.3	104	0.82#
85	C,P	Di-n-octylphthalate	20.000	20.772	-3.9	106	0.90#
86	I	Perylene-d12	25.000	25.000	0.0	107	0.99#
87	T,P	Benzo[b]fluoranthene	20.000	19.497	2.5	105	0.94#
88	T,P	Benzo(j,k)fluoranthene	20.000	20.024	-0.1	103	0.95#
89	C,P	Benzo[a]pyrene	20.000	20.041	-0.2	104	0.98#
90	T,P	Indeno[1,2,3-cd]pyrene	20.000	21.306	-6.5	108	1.15#
91	T,P	Dibenz[a,h]anthracene	20.000	20.875	-4.4	106	1.14#
92	T,P	Benzo[g,h,i]perylene	20.000	20.415	-2.1	105	1.09#

Evaluate Continuing Calibration Report

Data Path : X:\semivols\Jessie\DATA\J230410\
Data File : J0410016.D
Acq On : 10 Apr 2023 6:37 pm
Operator : JP
Sample : ICV
Misc : SV6-105-02
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 18 12:07:37 2023
Quant Method : C:\msdchem\1\methods\SV230410.M
Quant Title : Semivolatiles by GC/MS - Method 8270D
QLast Update : Tue Apr 18 11:47:38 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	25.000	25.000	0.0	103	0.05
2	T	n-Nitrosodimethylamine	20.000	19.815	0.9	98	0.04
3	T	Pyridine	20.000	19.852	0.7	98	0.04
4	S	2-Fluorophenol	20.000	19.846	0.8	97	0.03
5	S	Phenol-d6	20.000	19.706	1.5	98	0.03
6	M,C	Phenol	20.000	20.346	-1.7	98	0.03
7	T	Aniline	20.000	19.651	1.7	97	0.05
8	T	bis(2-Chloroethyl)ether	20.000	19.489	2.6	98	0.05
9	M	2-Chlorophenol	20.000	19.483	2.6	98	0.05
10	T	n-Decane	20.000	18.463	7.7	95	0.05
11	T	1,3-Dichlorobenzene	20.000	19.578	2.1	97	0.05
12	M,C	1,4-Dichlorobenzene	20.000	19.292	3.5	95	0.05
13	T	Benzyl alcohol	20.000	19.790	1.1	95	0.04
14	T	1,2-Dichlorobenzene	20.000	19.314	3.4	96	0.05
15	T	2-Methylphenol (o-Cresol)	20.000	19.518	2.4	99	0.04
16	T	bis(2-Chloroisopropyl)ether	20.000	18.977	5.1	97	0.05
17	T	(3+4)-Methylphenol (m,p-Cre	20.000	19.234	3.8	96	0.04
18	M,P	n-Nitroso-di-n-propylamine	20.000	19.284	3.6	96	0.05
19	T	Hexachloroethane	20.000	19.392	3.0	97	0.05
20	I	Naphthalene-d8	25.000	25.000	0.0	104	0.05
21	S	Nitrobenzene-d5	20.000	19.377	3.1	97	0.05
22	T	Nitrobenzene	20.000	19.631	1.8	97	0.05
23	T	Isophorone	20.000	19.553	2.2	98	0.05
24	C	2-Nitrophenol	20.000	19.871	0.6	95	0.05
25	T	2,4-Dimethylphenol	20.000	19.408	3.0	97	0.04
26	T	bis(2-Chloroethoxy)methane	20.000	19.346	3.3	99	0.05
27	T	Benzoic Acid	20.000	21.716	-8.6	102	0.03
28	C	2,4-Dichlorophenol	20.000	19.839	0.8	97	0.04
29	M	1,2,4-Trichlorobenzene	20.000	19.556	2.2	97	0.05
30	T	Naphthalene	20.000	19.912	0.4	98	0.05
31	T	4-Chloroaniline	20.000	19.902	0.5	97	0.05
32	C	Hexachlorobutadiene	20.000	19.893	0.5	99	0.05
33	M,C	4-Chloro-3-methylphenol	20.000	19.985	0.1	97	0.04
34	T	2-Methylnaphthalene	20.000	19.918	0.4	98	0.05
35	T	1-Methylnaphthalene	20.000	19.773	1.1	98	0.05
36	I	Acenaphthene-d10	25.000	25.000	0.0	102	0.05
37	P	Hexachlorocyclopentadiene	20.000	18.235	8.8	99	0.05
38	C	2,4,6-Trichlorophenol	20.000	19.938	0.3	99	0.05
39	T	2,3-Dichloroaniline	20.000	19.475	2.6	97	0.05
40	T	2,4,5-Trichlorophenol	20.000	20.363	-1.8	99	0.04
41	S	2-Fluorobiphenyl	20.000	19.653	1.7	97	0.05
42	T	2-Chloronaphthalene	20.000	19.765	1.2	99	0.05
43	T	2-Nitroaniline	20.000	19.853	0.7	98	0.05
44	T	1,4-Dinitrobenzene	20.000	21.805	-9.0	101	0.05

JP
7/18/23

45	T	Dimethylphthalate	20.000	19.957	0.2	100	0.05
46	T	1,3-Dinitrobenzene	20.000	20.876	-4.4	100	0.05
47	T	2,6-Dinitrotoluene	20.000	20.029	-0.1	98	0.05
48	T	1,2-Dinitrobenzene	20.000	20.909	-4.5	101	0.05
49	T	Acenaphthylene	20.000	19.889	0.6	98	0.05
50	T	3-Nitroaniline	20.000	19.867	0.7	96	0.05
51	P	2,4-Dinitrophenol	20.000	22.588	-12.9	125	0.05
52	M,C	Acenaphthene	20.000	19.976	0.1	99	0.05
53	M,P	4-Nitrophenol	20.000	22.232	-11.2	99	0.03
54	M	2,4-Dinitrotoluene	20.000	21.094	-5.5	100	0.05
55	T	Dibenzofuran	20.000	20.071	-0.4	99	0.05
56	T	2,3,5,6-Tetrachlorophenol	20.000	19.340	3.3	100	0.05
57	T	2,3,4,6-Tetrachlorophenol	20.000	20.664	-3.3	97	0.05
58	T	Diethylphthalate	20.000	19.933	0.3	98	0.05
59	T	4-Chlorophenyl-phenylether	20.000	19.650	1.8	99	0.05
60	T	4-Nitroaniline	20.000	20.626	-3.1	99	0.05
61	T	Fluorene	20.000	19.995	0.0	100	0.05
62	I	Phenanthrene-d10	25.000	25.000	0.0	102	0.06
63	T	4,6-Dinitro-2-methylphenol	20.000	19.263	3.7	110	0.05
64	C	n-Nitrosodiphenylamine	20.000	20.231	-1.2	99	0.05
65	T	1,2-Diphenylhydrazine	20.000	20.017	-0.1	100	0.05
66	S	2,4,6-Tribromophenol	20.000	21.686	-8.4	100	0.05
67	T	4-Bromophenyl-phenylether	20.000	20.142	-0.7	100	0.05
68	T	Hexachlorobenzene	20.000	20.108	-0.5	98	0.06
69	M,C	Pentachlorophenol	20.000	21.200	-6.0	102	0.05
70	T	n-Octadecane	20.000	19.540	2.3	99	0.05
71	T	Phenanthrene	20.000	19.901	0.5	100	0.06
72	T	Anthracene	20.000	20.074	-0.4	98	0.06
73	T	Carbazole	20.000	20.008	-0.0	99	0.06
74	T	Di-n-butylphthalate	20.000	20.608	-3.0	99	0.06
75	C	Fluoranthene	20.000	20.049	-0.2	99	0.08
76	I	Chrysene-d12	25.000	25.000	0.0	103	0.09
77	T	Benzidine	20.000	22.102	-10.5	102	0.07
78	M	Pyrene	20.000	20.117	-0.6	100	0.08
79	S	Terphenyl-d14	20.000	20.064	-0.3	99	0.07
80	T	Butylbenzylphthalate	20.000	20.415	-2.1	100	0.08
81	T	bis-2-Ethylhexyladipate	20.000	20.172	-0.9	99	0.08
82	T	3,3'-Dichlorobenzidine	20.000	21.184	-5.9	102	0.08
83	T	Benzo[a]anthracene	20.000	19.699	1.5	99	0.09
84	T	Chrysene	20.000	20.370	-1.9	101	0.09
85	T	bis(2-Ethylhexyl)phthalate	20.000	20.163	-0.8	98	0.09
86	C	Di-n-octylphthalate	20.000	20.347	-1.7	98	0.09
87	I	Perylene-d12	25.000	25.000	0.0	103	0.12
88	T	Benzo[b]fluoranthene	20.000	19.532	2.3	98	0.11
89	T	Benzo(j,k)fluoranthene	20.000	20.694	-3.5	102	0.11
90	C	Benzo[a]pyrene	20.000	20.185	-0.9	100	0.12
91	T	Indeno[1,2,3-cd]pyrene	20.000	20.822	-4.1	101	0.18
92	T	Dibenz[a,h]anthracene	20.000	21.129	-5.6	101	0.19
93	T	Benzo[g,h,i]perylene	20.000	20.798	-4.0	102	0.21

(#) = Out of Range SPCC's out = 0 CCC's out = 0

SV230410.M Tue Jul 18 12:39:11 2023

Evaluate Continuing Calibration Report

Data Path : X:\semivols\Corey\DATA\C230411\
Data File : C0411029.D
Acq On : 11 Apr 2023 8:07 pm
Operator : JP
Sample : ICV
Misc : SV6-105-04
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 12 10:37:09 2023
Quant Method : C:\MSDCHEM\1\METHODS\CS230411.M
Quant Title : PAH'S BY SIMS
QLast Update : Wed Apr 12 08:55:51 2023
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Naphthalene-d8	2000.000	2000.000	0.0	95	0.33
2	T	Naphthalene	500.000	512.246	-2.4	95	0.33
3	T	2-Methylnaphthalene	500.000	485.476	2.9	96	0.32
4	T	1-Methylnaphthalene	500.000	489.930	2.0	97	0.32
5	I	Acenaphthene-d10	2000.000	2000.000	0.0	95	0.32
6	S	2-Fluorobiphenyl	500.000	501.894	-0.4	95	0.31
7	T	Acenaphthylene	500.000	482.344	3.5	97	0.33
8	T,M	Acenaphthene	500.000	486.766	2.6	96	0.33
9	I	Phenanthrene-d10	2000.000	2000.000	0.0	96	0.34
10	S	Pyrene-d10	500.000	478.644	4.3	99	0.37
11	T	Fluorene	500.000	482.127	3.6	95	0.33
12	T	Phenanthrene	500.000	464.560	7.1	95	0.33
13	T	Anthracene	500.000	449.518	10.1	90	0.33
14	T	Fluoranthene	500.000	468.173	6.4	95	0.36
15	T,M	Pyrene	500.000	475.013	5.0	98	0.38
16	I	Chrysene-d12	2000.000	2000.000	0.0	96	0.46
17	S	Terphenyl-d14	500.000	537.152	-7.4	97	0.38
18	T	Benzo[a]anthracene	500.000	548.671	-9.7	96	0.46
19	T	Chrysene	500.000	471.084	5.8	97	0.47
20	I	Perylene-d12	2000.000	2000.000	0.0	95	0.54#
21	T	Benzo[b]fluoranthene	500.000	443.804	11.2	96	0.52#
22	T	Benzo(j,k)fluoranthene	500.000	491.421	1.7	98	0.52#
23	T	Benzo[a]pyrene	500.000	469.411	6.1	97	0.54#
24	T	Indeno(1,2,3-c,d)pyrene	500.000	469.136	6.2	96	0.58#
25	T	Dibenz[a,h]anthracene	500.000	466.269	6.7	95	0.58#
26	T	Benzo[g,h,i]perylene	500.000	459.036	8.2	96	0.61#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

CS230411.M Tue Jul 18 12:34:49 2023

JP
7/18/23

Calibration Report Ulysses

Method Path : C:\msdchem\2\methods\
Method File : PC230426.M
Title : PCB
Last Update : Thu Apr 27 09:01:01 2023
Response Via : Initial Calibration

Calibration Files
1 =U0426027 2 =U0426028 3 =U0426029 4 =U0426030 5 =U0426031
6 =U0426032 7 =U0426033 8 =U0426034

		Compound	Fit	Constant	Linear	Quad	RSD/Cf
1)	S	TCX	Avg	-----	1.6485 e9	-----	0.0344
2)	L1	Aroclor-1016	Avg	-----	3.2931 e7	-----	0.1114
3)	L1	Aroclor-1016 {2}	Avg	-----	4.6360 e7	-----	0.0871
4)	L1	Aroclor-1016 {3}	Avg	-----	8.0738 e7	-----	0.0591
5)	L1	Aroclor-1016 {4}	Avg	-----	5.2478 e7	-----	0.1094
6)	L1	Aroclor-1016 {5}	Avg	-----	4.4984 e7	-----	0.0693
7)	L2	Aroclor-1221	Avg	-----	9.5875 e6	-----	-1.0000
8)	L2	Aroclor-1221 {2}	Avg	-----	1.9147 e7	-----	-1.0000
9)	L2	Aroclor-1221 {3}	Avg	-----	4.6898 e7	-----	-1.0000
10)	L2	Aroclor-1221 {4}	Avg	-----	6.7696 e6	-----	-1.0000
11)	L2	Aroclor-1221 {5}	Avg	-----	5.9614 e6	-----	-1.0000
12)	L3	Aroclor-1232	Avg	-----	3.9516 e7	-----	-1.0000
13)	L3	Aroclor-1232 {2}	Avg	-----	2.4964 e7	-----	-1.0000
14)	L3	Aroclor-1232 {3}	Avg	-----	2.9042 e7	-----	-1.0000
15)	L3	Aroclor-1232 {4}	Avg	-----	2.2691 e7	-----	-1.0000
16)	L3	Aroclor-1232 {5}	Avg	-----	2.2098 e7	-----	-1.0000
17)	L4	Aroclor-1242	Avg	-----	8.2770 e7	-----	-1.0000
18)	L4	Aroclor-1242 {2}	Avg	-----	5.3417 e7	-----	-1.0000
19)	L4	Aroclor-1242 {3}	Avg	-----	4.6021 e7	-----	-1.0000
20)	L4	Aroclor-1242 {4}	Avg	-----	4.2940 e7	-----	-1.0000
21)	L4	Aroclor-1242 {5}	Avg	-----	2.1018 e7	-----	-1.0000
22)	L5	Aroclor-1248	Avg	-----	5.8348 e7	-----	-1.0000
23)	L5	Aroclor-1248 {2}	Avg	-----	8.6950 e7	-----	-1.0000
24)	L5	Aroclor-1248 {3}	Avg	-----	8.3163 e7	-----	-1.0000
25)	L5	Aroclor-1248 {4}	Avg	-----	6.0246 e7	-----	-1.0000
26)	L5	Aroclor-1248 {5}	Avg	-----	5.3576 e7	-----	-1.0000
27)	L6	Aroclor-1254	Avg	-----	7.2373 e7	-----	-1.0000
28)	L6	Aroclor-1254 {2}	Avg	-----	1.0328 e8	-----	-1.0000
29)	L6	Aroclor-1254 {3}	Avg	-----	1.3025 e8	-----	-1.0000
30)	L6	Aroclor-1254 {4}	Avg	-----	9.5169 e7	-----	-1.0000
31)	L6	Aroclor-1254 {5}	Avg	-----	1.0661 e8	-----	-1.0000
32)	L7	Aroclor-1260	Avg	-----	8.4907 e7	-----	0.0446
33)	L7	Aroclor-1260 {2}	Avg	-----	1.0333 e8	-----	0.0787
34)	L7	Aroclor-1260 {3}	Avg	-----	9.6365 e7	-----	0.0613
35)	L7	Aroclor-1260 {4}	Avg	-----	1.8288 e8	-----	0.0638
36)	L7	Aroclor-1260 {5}	Avg	-----	8.0562 e7	-----	0.0777
37)	L8	Aroclor-1262	Avg	-----	8.6788 e7	-----	-1.0000
38)	L8	Aroclor-1262 {2}	Avg	-----	1.2369 e8	-----	-1.0000
39)	L8	Aroclor-1262 {3}	Avg	-----	1.0883 e8	-----	-1.0000
40)	L8	Aroclor-1262 {4}	Avg	-----	2.2180 e8	-----	-1.0000
41)	L8	Aroclor-1262 {5}	Avg	-----	8.1825 e7	-----	-1.0000
42)	L9	Aroclor-1268	Avg	-----	7.7765 e6	-----	-1.0000
43)	L9	Aroclor-1268 {2}	Avg	-----	6.6594 e6	-----	-1.0000
44)	L9	Aroclor-1268 {3}	Avg	-----	1.9167 e8	-----	-1.0000
45)	L9	Aroclor-1268 {4}	Avg	-----	1.6840 e8	-----	-1.0000
46)	L9	Aroclor-1268 {5}	Avg	-----	3.6480 e8	-----	-1.0000
47)	S	DCB	Avg	-----	9.5595 e8	-----	0.0756

Signal #2

		Compound	Fit	Constant	Linear	Quad	RSD/Cf
1)	S	TCX	Avg	-----	2.2515 e9	-----	0.0193
2)	L1	Aroclor-1016	Avg	-----	4.2919 e7	-----	0.0988

3)	L1	Aroclor-1016 {2}	Avg	-----	6.3313	e7	-----	0.0904
4)	L1	Aroclor-1016 {3}	Avg	-----	1.1145	e8	-----	0.0191
5)	L1	Aroclor-1016 {4}	Avg	-----	7.0210	e7	-----	0.0501
6)	L1	Aroclor-1016 {5}	Avg	-----	6.4944	e7	-----	0.0515
7)	L2	Aroclor-1221	Avg	-----	1.3267	e7	-----	-1.0000
8)	L2	Aroclor-1221 {2}	Avg	-----	2.7250	e7	-----	-1.0000
9)	L2	Aroclor-1221 {3}	Avg	-----	6.0355	e7	-----	-1.0000
10)	L2	Aroclor-1221 {4}	Avg	-----	9.0909	e6	-----	-1.0000
11)	L2	Aroclor-1221 {5}	Avg	-----	7.8412	e6	-----	-1.0000
12)	L3	Aroclor-1232	Avg	-----	5.0964	e7	-----	-1.0000
13)	L3	Aroclor-1232 {2}	Avg	-----	3.4471	e7	-----	-1.0000
14)	L3	Aroclor-1232 {3}	Avg	-----	3.8230	e7	-----	-1.0000
15)	L3	Aroclor-1232 {4}	Avg	-----	3.2820	e7	-----	-1.0000
16)	L3	Aroclor-1232 {5}	Avg	-----	3.0642	e7	-----	-1.0000
17)	L4	Aroclor-1242	Avg	-----	1.1648	e8	-----	-1.0000
18)	L4	Aroclor-1242 {2}	Avg	-----	7.2762	e7	-----	-1.0000
19)	L4	Aroclor-1242 {3}	Avg	-----	6.6547	e7	-----	-1.0000
20)	L4	Aroclor-1242 {4}	Avg	-----	7.3895	e7	-----	-1.0000
21)	L4	Aroclor-1242 {5}	Avg	-----	2.9776	e7	-----	-1.0000
22)	L5	Aroclor-1248	Avg	-----	8.3295	e7	-----	-1.0000
23)	L5	Aroclor-1248 {2}	Avg	-----	1.2623	e8	-----	-1.0000
24)	L5	Aroclor-1248 {3}	Avg	-----	1.4852	e8	-----	-1.0000
25)	L5	Aroclor-1248 {4}	Avg	-----	1.3144	e8	-----	-1.0000
26)	L5	Aroclor-1248 {5}	Avg	-----	7.5781	e7	-----	-1.0000
27)	L6	Aroclor-1254	Avg	-----	1.1305	e8	-----	-1.0000
28)	L6	Aroclor-1254 {2}	Avg	-----	1.2448	e8	-----	-1.0000
29)	L6	Aroclor-1254 {3}	Avg	-----	1.9030	e8	-----	-1.0000
30)	L6	Aroclor-1254 {4}	Avg	-----	1.3116	e8	-----	-1.0000
31)	L6	Aroclor-1254 {5}	Avg	-----	1.4369	e8	-----	-1.0000
32)	L7	Aroclor-1260	Avg	-----	1.2236	e8	-----	0.0538
33)	L7	Aroclor-1260 {2}	Avg	-----	1.4563	e8	-----	0.0723
34)	L7	Aroclor-1260 {3}	Avg	-----	1.1853	e8	-----	0.0678
35)	L7	Aroclor-1260 {4}	Avg	-----	2.4653	e8	-----	0.0324
36)	L7	Aroclor-1260 {5}	Avg	-----	1.0396	e8	-----	0.0446
37)	L8	Aroclor-1262	Avg	-----	1.2503	e8	-----	-1.0000
38)	L8	Aroclor-1262 {2}	Avg	-----	1.6880	e8	-----	-1.0000
39)	L8	Aroclor-1262 {3}	Avg	-----	1.6522	e8	-----	-1.0000
40)	L8	Aroclor-1262 {4}	Avg	-----	3.0260	e8	-----	-1.0000
41)	L8	Aroclor-1262 {5}	Avg	-----	1.4063	e8	-----	-1.0000
42)	L9	Aroclor-1268	Avg	-----	1.0748	e7	-----	-1.0000
43)	L9	Aroclor-1268 {2}	Avg	-----	7.4332	e6	-----	-1.0000
44)	L9	Aroclor-1268 {3}	Avg	-----	2.5540	e8	-----	-1.0000
45)	L9	Aroclor-1268 {4}	Avg	-----	2.3280	e8	-----	-1.0000
46)	L9	Aroclor-1268 {5}	Avg	-----	5.1420	e8	-----	-1.0000
47)	S	DCB	Avg	-----	1.3266	e9	-----	0.0630

PC230426.M Tue Jul 18 11:07:58 2023

Lab ID: PCB ICV 0.5PPM PS5-017-11
Date Analyzed: 4-26-23
File ID: U230426\U0426036
Instrument: Ulysses

EPA 8082 (PCB's)
Initial Calibration Verification Summary

Lab ID	Analyte	True Value (ppb)	Calc. Value	Percent Difference	Control Limits
Column 1					
PCB ICV (PS5-017-11)	Aroclor 1016	500	469	-6	+/- 30%
PCB ICV (PS5-017-11)	Aroclor 1260	500	466	-7	+/- 30%
PCB ICV (PS5-017-11)	DCB	100	101	1	+/- 30%
Column 2					
PCB ICV (PS5-017-11)	Aroclor 1016	500	480	-4	+/- 30%
PCB ICV (PS5-017-11)	Aroclor 1260	500	478	-4	+/- 30%
PCB ICV (PS5-017-11)	DCB	100	100	0	+/- 30%

Calibration Report Frank

Method Path : C:\msdchem\1\methods\
Method File : P230505_new.M
Title : Pestcides
Last Update : Mon May 08 09:14:06 2023
Response Via : Initial Calibration

Calibration Files
1 =F0505022 2 =F0505023 3 =F0505024 4 =F0505025 5 =F0505026
6 =F0505027 7 =F0505028 8 =F0505029 9 =F0505030

		Compound	Fit	Constant	Linear	Quad	RSD/Cf
1)	A	HCBD	Avg	-----	1.7002 e6	-----	0.0661
2)	S	Tetrachloro-m-xylene	Avg	-----	3.0628 e6	-----	0.1109
3)	A	Hexachlorobenzene	Avg	-----	3.6802 e6	-----	0.1176
4)	A	alpha-BHC	Avg	-----	4.6551 e6	-----	0.0630
5)	A	gamma-BHC	Avg	-----	4.3154 e6	-----	0.0675
6)	A	beta-BHC	Avg	-----	1.8577 e6	-----	0.0665
7)	A	delta-BHC	Avg	-----	4.3280 e6	-----	0.0618
8)	A	Heptachlor	Avg	-----	3.7342 e6	-----	0.0919
9)	A	Aldrin	Avg	-----	3.7293 e6	-----	0.0773
10)	A	Heptachlor epoxide	Avg	-----	3.0025 e6	-----	0.0768
11)	A	gamma-Chlordane	Avg	-----	3.1073 e6	-----	0.0648
12)	A	alpha-Chlordane	Avg	-----	2.9093 e6	-----	0.0688
13)	A	4,4'-DDE	Avg	-----	3.0807 e6	-----	0.0729
14)	A	Endosulfan I	Avg	-----	2.6756 e6	-----	0.0642
15)	A	Dieldrin	Avg	-----	3.0725 e6	-----	0.0822
16)	A	Endrin	Avg	-----	2.9113 e6	-----	0.0898
17)	A	4,4'-DDD	Avg	-----	2.8144 e6	-----	0.0667
18)	A	Endosulfan II	Avg	-----	2.8753 e6	-----	0.0713
19)	A	4,4'-DDT	Avg	-----	2.2663 e6	-----	0.1087
20)	A	Endrin aldehyde	Lin	1.0138 e6	2.0136 e6	-----	0.9954
21)	A	Methoxychlor	Lin	4.0291 e5	1.0450 e6	-----	0.9983
22)	A	Endosulfan sulfate	Avg	-----	2.4765 e6	-----	0.0669
23)	A	Endrin ketone	Avg	-----	2.8905 e6	-----	0.0917
24)	S	Decachlorobiphenyl	Avg	-----	2.3149 e6	-----	0.0894
25)	L8	Toxaphene{1}	Avg	-----	-----	-----	0.0000
26)	L8	Toxaphene{2}	Avg	-----	-----	-----	0.0000
27)	L8	Toxaphene{3}	Avg	-----	1.1223 e4	-----	-1.0000
28)	L8	Toxaphene{4}	Avg	-----	1.2537 e4	-----	-1.0000
29)	L8	Toxaphene{5}	Avg	-----	-----	-----	0.0000
30)	L9	Tech Chlordane{1}	Avg	-----	-----	-----	0.0000
31)	L9	Tech Chlordane{2}	Avg	-----	-----	-----	0.0000
32)	L9	Tech Chlordane{3}	Avg	-----	2.6951 e4	-----	-1.0000
33)	L9	Tech Chlordane{4}	Avg	-----	2.9379 e4	-----	-1.0000
34)	L9	Tech Chlordane{5}	Avg	-----	2.8598 e4	-----	-1.0000

Signal #2

		Compound	Fit	Constant	Linear	Quad	RSD/Cf
36)	A	HCBD #2	Avg	-----	5.8283 e5	-----	0.0536
37)	S	Tetrachloro-m-xyl...	Avg	-----	1.1187 e6	-----	0.1095
38)	A	Hexachlorobenzene #2	Avg	-----	1.5193 e6	-----	0.1374
39)	A	alpha-BHC #2	Avg	-----	1.8532 e6	-----	0.0918
40)	A	gamma-BHC #2	Avg	-----	1.6979 e6	-----	0.0894
41)	A	beta-BHC #2	Avg	-----	7.6542 e5	-----	0.1013
42)	A	delta-BHC #2	Avg	-----	1.6640 e6	-----	0.0780
43)	A	Heptachlor #2	Avg	-----	1.4174 e6	-----	0.1023
44)	A	Aldrin #2	Avg	-----	1.5324 e6	-----	0.1111
45)	A	Heptachlor epoxid...	Avg	-----	1.2993 e6	-----	0.1084
46)	A	gamma-Chlordane #2	Avg	-----	1.3659 e6	-----	0.0883
47)	A	alpha-Chlordane #2	Avg	-----	1.2909 e6	-----	0.0990
48)	A	4,4'-DDE #2	Avg	-----	1.3566 e6	-----	0.1030
49)	A	Endosulfan I #2	Avg	-----	1.1637 e6	-----	0.1245
50)	A	Dieldrin #2	Avg	-----	1.3520 e6	-----	0.1093

51)	A	Endrin #2	Avg	-----	1.1636 e6	-----	0.1204
52)	A	4,4'-DDD #2	Avg	-----	1.1277 e6	-----	0.0838
53)	A	Endosulfan II #2	Avg	-----	1.1438 e6	-----	0.1194
54)	A	4,4'-DDT #2	Avg	-----	7.7533 e5	-----	0.1335
55)	A	Endrin aldehyde #2	Lin	6.4876 e5	8.1228 e5	-----	0.9937
56)	A	Methoxychlor #2	Lin	6.2603 e3	3.7867 e5	-----	0.9995
57)	A	Endosulfan sulfat...	Avg	-----	1.0764 e6	-----	0.1441
58)	A	Endrin ketone #2	Avg	-----	1.1967 e6	-----	0.1309
59)	S	Decachlorobipheny...	Avg	-----	1.1697 e6	-----	0.1449
60)	L8	Toxaphene{1} #2	Avg	-----	-----	-----	0.0000
61)	L8	Toxaphene{2} #2	Avg	-----	-----	-----	0.0000
62)	L8	Toxaphene{3} #2	Avg	-----	-----	-----	0.0000
63)	L8	Toxaphene{4} #2	Avg	-----	1.7887 e3	-----	-1.0000
64)	L8	Toxaphene{5} #2	Avg	-----	-----	-----	0.0000
65)	L9	Tech Chlordane{1} #2	Avg	-----	-----	-----	0.0000
66)	L9	Tech Chlordane{2} #2	Avg	-----	-----	-----	0.0000
67)	L9	Tech Chlordane{3} #2	Avg	-----	-----	-----	0.0000
68)	L9	Tech Chlordane{4} #2	Avg	-----	1.1916 e4	-----	-1.0000
69)	L9	Tech Chlordane{5} #2	Avg	-----	-----	-----	0.0000

P230505_new.M Tue Jul 18 11:10:33 2023

Lab ID: PEST ICV 100 PPB (PS5-019-12)
Date Analyzed: 5-5-23
File ID:F230505\F0505032
Instrument: FRANK

EPA Method 8081
Initial Calibration Verification Summary

Lab ID: PEST ICV 100 PPB (PS5-019-12)

		Column 1		Column 2		
Analyte	True Value (ppb)	Calc. Value	Percent Difference	Calc. Value	Percent Difference	Control Limits
alpha-BHC	100	99.3	0.7	92.5	7.5	+/- 30%
gamma-BHC	100	98.6	1.4	92.0	8.0	+/- 30%
beta-BHC	100	94.2	5.8	90.6	9.4	+/- 30%
delta-BHC	100	101	-1	98.3	1.7	+/- 30%
Heptachlor	100	93.2	6.8	89.9	10.1	+/- 30%
Aldrin	100	94.6	5.4	89.6	10.4	+/- 30%
Heptachlor epoxide	100	88.4	11.6	90.3	9.7	+/- 30%
gamma-Chlordane	100	92.1	7.9	90.8	9.2	+/- 30%
alpha-Chlordane	100	91.7	8.3	90.0	10.0	+/- 30%
4,4'-DDE	100	94.4	5.6	96.5	3.5	+/- 30%
Endosulfan I	100	93.0	7.0	90.6	9.4	+/- 30%
Dieldrin	100	88.4	11.6	84.8	15.2	+/- 30%
Endrin	100	90.5	9.5	86.7	13.3	+/- 30%
4,4'-DDD	100	99.0	1.0	95.2	4.8	+/- 30%
Endosulfan II	100	87.5	12.5	86.5	13.5	+/- 30%
4,4'-DDT	100	98.4	1.6	88.7	11.3	+/- 30%
Endrin aldehyde	100	89.9	10.1	88.2	11.8	+/- 30%
Methoxychlor	100	95.0	5.0	86.6	13.4	+/- 30%
Endosulfan sulfate	100	87.6	12.4	81.9	18.1	+/- 30%
Endrin ketone	100	87.0	13.0	79.9	20.1	+/- 30%

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

PNZ-16-27

Catalog No: M-8120-05
Description: Hexachlorobenzene
Lot: 217101125
Solvent: Hexane
Hazards: *Refer to SDS for complete safety information*



Signal Word: Danger

Rec'd 10/11/17

Date Certified: Oct 9, 2017
Expiration: Oct 9, 2027
Sample Size: 1 mL
Components: 1
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463

ANAB ACCREDITED TESTING LABORATORY AT-1339

ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (µg/mL)	Certified Analyte Concentration[1] (µg/mL)
Hexachlorobenzene	118-74-1	99.2	2002	1986

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[2] All weights are traceable through NIST, Test No. 822-275872-11

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

The information on this certificate may not be reproduced without the express permission of the manufacturer. See reverse side for additional information

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

AccuStandard is accredited to ISO 17034, ISO/IEC 17025 and certified to ISO 9001:2015

QR-ORG/INO-001
Rev. 7/20

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

PN2-16-14

Catalog No: M-8120-06
Description: Hexachlorobutadiene
Lot: 220081360
Solvent: Hexane
Hazards: *Refer to SDS for complete safety information*



Signal Word: Danger

Rec'd 1-12-21

Date Certified: Aug 27, 2020
Expiration: Aug 27, 2023
Sample Size: 1 mL
Components: 1
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED TESTING LABORATORY AT-1339
ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (µg/mL)	Certified Analyte Concentration[1] (µg/mL)
Hexachlorobutadiene	87-68-3	98.1	2010	1972

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[2] All weights are traceable through NIST, Test No. 684/289871-17

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

The information on this certificate may not be reproduced without the express permission of the manufacturer. See reverse side for additional information

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

Lab ID: PEST MIDLEVEL 0508-1
Date Analyzed: 5-8-23
File ID:F230508\F0508004
Instrument: FRANK

EPA Method 8081
Continuing Calibration Summary

Lab ID: PEST MIDLEVEL 0508-1

Analyte	True Value (ppb)	Column 1 Calc. Value	Percent Difference	Column 2 Calc. Value	Percent Difference	Control Limits
HCBD	100	134	-34	115	-15	+/- 20%
Hexachlorobenzene	100	130	-30	109	-9	+/- 20%
alpha-BHC	100	141	-41	114	-14	+/- 20%
gamma-BHC	100	139	-39	115	-15	+/- 20%
beta-BHC	100	133	-33	112	-12	+/- 20%
delta-BHC	100	142	-42	124	-24	+/- 20%
Heptachlor	100	128	-28	112	-12	+/- 20%
Aldrin	100	123	-23	120	-20	+/- 20%
Heptachlor epoxide	100	100	0	119	-19	+/- 20%
gamma-Chlordane	100	98.7	1.3	127	-27	+/- 20%
alpha-Chlordane	100	104	-4	128	-28	+/- 20%
4,4'-DDE	100	107	-7	128	-28	+/- 20%
Endosulfan I	100	110	-10	121	-21	+/- 20%
Dieldrin	100	123	-23	119	-19	+/- 20%
Endrin	100	110	-10	110	-10	+/- 20%
4,4'-DDD	100	119	-19	124	-24	+/- 20%
Endosulfan II	100	116	-16	118	-18	+/- 20%
4,4'-DDT	100	118	-18	113	-13	+/- 20%
Endrin aldehyde	100	118	-18	126	-26	+/- 20%
Methoxychlor	100	107	-7	94.8	5.2	+/- 20%
Endosulfan sulfate	100	123	-23	109	-9	+/- 20%
Endrin ketone	100	121	-21	107	-7	+/- 20%
Tetrachloro-m-xylene	100	130	-30	113	-13	+/- 20%
Decachlorobiphenyl	100	140	-40	119	-19	+/- 20%

Lab ID: PEST MIDLEVEL 0508-2
Date Analyzed: 5-8-23
File ID:F230508\F0508013
Instrument: FRANK

EPA Method 8081
Continuing Calibration Summary

Lab ID: PEST MIDLEVEL 0508-2

Analyte	True Value (ppb)	Column 1 Calc. Value	Percent Difference	Column 2 Calc. Value	Percent Difference	Control Limits
HCBD	100	114	-14	113	-13	+/- 20%
Hexachlorobenzene	100	111	-11	108	-8	+/- 20%
alpha-BHC	100	119	-19	114	-14	+/- 20%
gamma-BHC	100	118	-18	117	-17	+/- 20%
beta-BHC	100	115	-15	113	-13	+/- 20%
delta-BHC	100	123	-23	117	-17	+/- 20%
Heptachlor	100	114	-14	120	-20	+/- 20%
Aldrin	100	116	-16	120	-20	+/- 20%
Heptachlor epoxide	100	122	-22	117	-17	+/- 20%
gamma-Chlordane	100	130	-30	125	-25	+/- 20%
alpha-Chlordane	100	129	-29	127	-27	+/- 20%
4,4'-DDE	100	128	-28	126	-26	+/- 20%
Endosulfan I	100	120	-20	120	-20	+/- 20%
Dieldrin	100	125	-25	118	-18	+/- 20%
Endrin	100	112	-12	118	-18	+/- 20%
4,4'-DDD	100	121	-21	127	-27	+/- 20%
Endosulfan II	100	106	-6	117	-17	+/- 20%
4,4'-DDT	100	130	-30	160	-60	+/- 20%
Endrin aldehyde	100	113	-13	123	-23	+/- 20%
Methoxychlor	100	115	-15	145	-45	+/- 20%
Endosulfan sulfate	100	114	-14	111	-11	+/- 20%
Endrin ketone	100	111	-11	117	-17	+/- 20%
Tetrachloro-m-xylene	100	110	-10	112	-12	+/- 20%
Decachlorobiphenyl	100	113	-13	110	-10	+/- 20%

Lab ID: PEST MIDLEVEL 0509-2
Date Analyzed: 5-9-23
File ID:F230509\F0509012
Instrument: FRANK

EPA Method 8081
Continuing Calibration Summary

Lab ID: PEST MIDLEVEL 0509-2

Analyte	True Value (ppb)	Column 1 Calc. Value	Percent Difference	Column 2 Calc. Value	Percent Difference	Control Limits
HCBD	100	132	-32	127	-27	+/- 20%
Hexachlorobenzene	100	105	-5	109	-9	+/- 20%
alpha-BHC	100	107	-7	113	-13	+/- 20%
gamma-BHC	100	106	-6	111	-11	+/- 20%
beta-BHC	100	102	-2	105	-5	+/- 20%
delta-BHC	100	95.2	4.8	91.2	8.8	+/- 20%
Heptachlor	100	103	-3	111	-11	+/- 20%
Aldrin	100	100	0	108	-8	+/- 20%
Heptachlor epoxide	100	112	-12	109	-9	+/- 20%
gamma-Chlordane	100	101	-1	112	-12	+/- 20%
alpha-Chlordane	100	100	0	113	-13	+/- 20%
4,4'-DDE	100	110	-10	112	-12	+/- 20%
Endosulfan I	100	112	-12	110	-10	+/- 20%
Dieldrin	100	111	-11	114	-14	+/- 20%
Endrin	100	101	-1	116	-16	+/- 20%
4,4'-DDD	100	101	-1	116	-16	+/- 20%
Endosulfan II	100	95.5	4.5	112	-12	+/- 20%
4,4'-DDT	100	105	-5	116	-16	+/- 20%
Endrin aldehyde	100	97.3	2.7	117	-17	+/- 20%
Methoxychlor	100	99.2	0.8	130	-30	+/- 20%
Endosulfan sulfate	100	92.2	7.8	101	-1	+/- 20%
Endrin ketone	100	92.1	7.9	103	-3	+/- 20%
Tetrachloro-m-xylene	100	111	-11	116	-16	+/- 20%
Decachlorobiphenyl	100	91.7	8.3	88.9	11.1	+/- 20%

Lab ID: PEST MIDLEVEL 0509-3
Date Analyzed: 5-9-23
File ID:F230509\F0509016
Instrument: FRANK

EPA Method 8081
Continuing Calibration Summary

Lab ID: PEST MIDLEVEL 0509-3

Analyte	True Value (ppb)	Column 1 Calc. Value	Percent Difference	Column 2 Calc. Value	Percent Difference	Control Limits
HCBD	100	136	-36	124	-24	+/- 20%
Hexachlorobenzene	100	108	-8	109	-9	+/- 20%
alpha-BHC	100	111	-11	113	-13	+/- 20%
gamma-BHC	100	109	-9	111	-11	+/- 20%
beta-BHC	100	105	-5	106	-6	+/- 20%
delta-BHC	100	95.9	4.1	90.4	9.6	+/- 20%
Heptachlor	100	104	-4	112	-12	+/- 20%
Aldrin	100	102	-2	107	-7	+/- 20%
Heptachlor epoxide	100	113	-13	109	-9	+/- 20%
gamma-Chlordane	100	106	-6	114	-14	+/- 20%
alpha-Chlordane	100	99.2	0.8	116	-16	+/- 20%
4,4'-DDE	100	116	-16	116	-16	+/- 20%
Endosulfan I	100	115	-15	112	-12	+/- 20%
Dieldrin	100	117	-17	114	-14	+/- 20%
Endrin	100	107	-7	115	-15	+/- 20%
4,4'-DDD	100	105	-5	120	-20	+/- 20%
Endosulfan II	100	98.6	1.4	116	-16	+/- 20%
4,4'-DDT	100	110	-10	155	-55	+/- 20%
Endrin aldehyde	100	104	-4	120	-20	+/- 20%
Methoxychlor	100	105	-5	130	-30	+/- 20%
Endosulfan sulfate	100	97.4	2.6	101	-1	+/- 20%
Endrin ketone	100	94.9	5.1	104	-4	+/- 20%
Tetrachloro-m-xylene	100	110	-10	116	-16	+/- 20%
Decachlorobiphenyl	100	103	-3	92.7	7.3	+/- 20%

Lab ID: PEST MIDLEVEL 0509-4
Date Analyzed: 5-9-23
File ID:F230509\F0509024
Instrument: FRANK

EPA Method 8081
Continuing Calibration Summary

Lab ID: PEST MIDLEVEL 0509-4

Analyte	True Value (ppb)	Column 1 Calc. Value	Percent Difference	Column 2 Calc. Value	Percent Difference	Control Limits
HCBD	100	132	-32	142	-42	+/- 20%
Hexachlorobenzene	100	88.0	12.0	109	-9	+/- 20%
alpha-BHC	100	92.6	7.4	113	-13	+/- 20%
gamma-BHC	100	75.2	24.8	96.6	3	+/- 20%
beta-BHC	100	74.9	25.1	97.6	2.4	+/- 20%
delta-BHC	100	70.9	29.1	86.1	14	+/- 20%
Heptachlor	100	50.1	49.9	67.5	32.5	+/- 20%
Aldrin	100	76.0	24.0	102	-2	+/- 20%
Heptachlor epoxide	100	85.2	14.8	99.9	0.1	+/- 20%
gamma-Chlordane	100	76.8	23.2	99.1	0.9	+/- 20%
alpha-Chlordane	100	76.2	23.8	100	0	+/- 20%
4,4'-DDE	100	82.0	18.0	101	-1	+/- 20%
Endosulfan I	100	80.4	19.6	101	-1	+/- 20%
Dieldrin	100	79.6	20.4	103	-3	+/- 20%
Endrin	100	67.2	32.8	95.5	4.5	+/- 20%
4,4'-DDD	100	82.0	18.0	123	-23	+/- 20%
Endosulfan II	100	62.5	37.5	117	-17	+/- 20%
4,4'-DDT	100	8.65	91.4	13.8	86.2	+/- 20%
Endrin aldehyde	100	64.1	35.9	103	-3	+/- 20%
Methoxychlor	100	10.3	89.7	17.8	82.2	+/- 20%
Endosulfan sulfate	100	51.6	48.4	77.6	22.4	+/- 20%
Endrin ketone	100	26.0	74.0	41.3	58.7	+/- 20%
Tetrachloro-m-xylene	100	97.1	2.9	121	-21	+/- 20%
Decachlorobiphenyl	100	55.6	44.4	79.4	20.6	+/- 20%

Quantitation Report (Not Reviewed)

Data Path : X:\PEST\Frank\DATA\F230509\
Data File : F0509012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 May 2023 11:49
Operator : LAD
Sample : Pest mid CCV2
Misc :
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 12:05:03 2023
Quant Method : C:\MSDCHEM\1\METHODS\P230505_new.M
Quant Title : Pestcides
QLast Update : Mon May 08 09:14:06 2023
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
2) S	Tetrachlo...	3.007	2.791	341.2E6	129.7E6	111.388	115.980	
Spiked Amount	100.000			Recovery	=	111.39%	115.98%	
24) S	Decachlor...	7.175	7.151	212.2E6	104.0E6	91.668	88.895	
Spiked Amount	100.000			Recovery	=	91.67%	88.89%	
	Target Compounds							
1) A	HCBD	0.000	1.300	0	73812540	~~N.D.~~ 131.829	126.644	#
3) A	Hexachlor...	3.358	3.198	385.9E6	166.1E6	104.861	109.304	
4) A	alpha-BHC	3.510	3.322	500.4E6	208.6E6	107.494	112.591	
5) A	gamma-BHC	3.782	3.616	457.9E6	188.1E6	106.119	110.766	
6) A	beta-BHC	3.859	3.690	189.5E6	80708622	102.026	105.443	
7) A	delta-BHC	4.003	3.920	412.2E6	151.8E6	95.240	91.227	
8) A	Heptachlor	4.171	3.968	383.8E6	157.0E6	102.776	110.739	
9) A	Aldrin	4.409	4.213	369.2E6	165.6E6	98.989	108.039	
10) A	Heptachlo...	4.877	4.643	335.3E6	141.0E6	111.661	108.556	
11) A	gamma-Chl...	4.968	4.782	314.0E6	151.0E6	101.046	110.570	
12) A	alpha-Chl...	5.068	4.889	290.9E6	146.3E6	99.973	113.349	
13) A	4,4'-DDE	5.126	5.023	339.3E6	152.4E6	110.126	112.336	
14) A	Endosulfan I	5.169	4.924	300.5E6	128.2E6	112.297	110.139	
15) A	Dieldrin	5.344	5.120	339.8E6	154.2E6	110.588	114.045	
16) A	Endrin	5.512	5.332	295.5E6	134.6E6	101.494	115.717	
17) A	4,4'-DDD	5.559	5.430	284.2E6	130.6E6	100.973	115.790	
18) A	Endosulfa...	5.673	5.482	274.6E6	128.6E6	95.509	112.435	
19) A	4,4'-DDT	5.758	5.649	238.0E6	90265185	105.033	116.421	
20) A	Endrin al...	5.974	5.719	197.0E6	95822281	97.344	117.168	
21) A	Methoxychlor	6.097	6.129	104.1E6	49337605	99.195	130.275	#
22) A	Endosulfa...	6.284	5.914	228.3E6	108.6E6	92.191	100.910	
23) A	Endrin ke...	6.481	6.277	266.4E6	123.4E6	92.148	103.153	
27) L8	Toxaphene{3}	5.974	5.770	197.0E6	6924544	17555.147	NoCal	#
28) L8	Toxaphene{4}	6.284	6.129	228.3E6	49337605	18211.336	27583.365	#
Sum	Toxaphene			425.3E6	49337605	35766.483	27583.365	
Average	Toxaphene					17883.241	27583.365	
32) L9	Tech Chlo...	5.068	4.853f	290.9E6	418870	10792.213	NoCal	#
33) L9	Tech Chlo...	5.126	4.924	339.3E6	128.2E6	11547.813	10756.084	
34) L9	Tech Chlo...	5.673	0.000	274.6E6	0	9602.551	N.D.	#
Sum	Tech Chlordane			904.7E6	128.2E6	31942.577	10756.084	
Average	Tech Chlordane					10647.526	10756.084	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.