

DATA PACKAGE

METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS

PROJECT NAME : STOCKTON

G ENVIRONMENTAL

8 Carriage Ln

Succasunna, NJ - 07876

Phone No: 973-294-1771

ORDER ID : Q1736

ATTENTION : Gary Landis



Laboratory Certification ID # 20012



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DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

1

Laboratory Name : Alliance Technical Group LLC Client : G Environmental
 Project Location : NJ Project Number : Stockton
 Laboratory Sample ID(s) : Q1736 Sampling Date(s) : 4/04/2025
 List DKQP Methods Used (e.g., 8260,8270, et Cetra) **,6010D,7471B,8082A,8270-Modified,NJEPH,SOP**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	☒ Yes ☐ No
1A	Were the method specified handling, preservation, and holding time requirements met?	☒ Yes ☐ No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☒ Yes ☐ No ☐ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☒ Yes ☐ No
3	Were samples received at an appropriate temperature (4±2° C)?	☒ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☐ Yes ☒ No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	☒ Yes ☐ No ☒ Yes ☐ No ☐ N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	☒ Yes ☐ No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☐ Yes ☒ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Data of Known Quality."

Cover Page

Order ID : Q1736

Project ID : Stockton

Client : G Environmental

Lab Sample Number

Q1736-01
Q1736-02

Client Sample Number

GST1
GST2

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 4/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

G Environmental

Project Name: Stockton

Project # N/A

Chemtech Project # Q1736

Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 04/04/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: EPH_F2, Mercury, Metals ICP-TAL, METALS-TAL, PCB and SVOC-SIMGroup1. This data package contains results for SVOC-SIMGroup1.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_N using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-SIMGroup1 was based on method 8270-Modified and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements except for GST1, The failure Internal Standard not associated with the client parameters list, therefore no corrective action was taken.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

Samples GST1 analyzed with 10X dilution due to dirty and viscous matrix.

E. Additional Comments:

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

CASE NARRATIVE

G Environmental

Project Name: Stockton

Project # N/A

Chemtech Project # Q1736

Test Name: PCB

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 04/04/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: EPH_F2, Mercury, Metals ICP-TAL, METALS-TAL, PCB and SVOC-SIMGroup1. This data package contains results for PCB.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

E. Additional Comments:

The soil samples results are based on a dry weight basis.



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Phone: 908 789 8900 Fax: 908 789 8922

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

CASE NARRATIVE

G Environmental

Project Name: Stockton

Project # N/A

Chemtech Project # Q1736

Test Name: EPH_F2

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 04/04/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: EPH_F2, Mercury, Metals ICP-TAL, METALS-TAL, PCB and SVOC-SIMGroup1. This data package contains results for EPH_F2.

C. Analytical Techniques:

The analysis were performed on instrument FID_C. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224. The analysis of EPH_F2s was based on method NJEPH and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

Sample GST1 was diluted due to high concentration for Aliphatic compounds.

E. Additional Comments:

The soil samples results are based on a dry weight basis.



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F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

CASE NARRATIVE

G Environmental

Project Name: Stockton

Project # N/A

Chemtech Project # Q1736

Test Name: Metals ICP-TAL,Mercury

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 04/04/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: EPH_F2, Mercury, Metals ICP-TAL, METALS-TAL, PCB and SVOC-SIMGroup1. This data package contains results for Metals ICP-TAL,Mercury.

C. Analytical Techniques:

The analysis of Metals ICP-TAL was based on method 6010D, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Duplicate (OK-02-040425DUP) analysis met criteria for all samples except for Cadmium, Calcium and Potassium due to sample matrix interference.

The Matrix Spike (OK-02-040425MS) analysis met criteria for all samples except for Arsenic, Barium, Beryllium, Chromium, Cobalt, Copper, Selenium, Silver, Vanadium and Zinc due to Chemical Interference during Digestion Process.

The Matrix Spike Duplicate (OK-02-040425MSD) analysis met criteria for all samples except for Arsenic, Barium, Beryllium, Chromium, Cobalt, Copper, Potassium, Silver, Vanadium and Zinc due to Chemical Interference during Digestion Process.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers “P” for ICP instrument “PM” for ICP when Microwave Digestion is used “CV” for Manual Cold Vapor AA “AV” for automated Cold Vapor AA “CA” for MIDI-Distillation Spectrophotometric “AS” for Semi -Automated Spectrophotometric “C” for Manual Spectrophotometric “T” for Titrimetric “NR” for analyte not required to be analyzed
OR	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1736

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 04/17/2025



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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q1736

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :		0.00			
			Total Concentration:		0.00			



SAMPLE DATA

A

B

C

D

E

F

G

H

I

J

K

Report of Analysis

Client:	G Environmental	Date Collected:	04/04/25
Project:	Stockton	Date Received:	04/04/25
Client Sample ID:	GST1	SDG No.:	Q1736
Lab Sample ID:	Q1736-01	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	78.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036855.D	10	04/07/25 08:55	04/07/25 16:06	PB167475

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	29.8	U	29.8	83.8	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.24		30 (17) - 150 (161)	60%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.31		30 (23) - 150 (138)	77%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		30 (33) - 130 (121)	65%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.20		30 (32) - 130 (121)	50%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.25		30 (21) - 130 (130)	63%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1940	7.688			
1146-65-2	Naphthalene-d8	5040	10.477			
15067-26-2	Acenaphthene-d10	2980	14.334			
1517-22-2	Phenanthrene-d10	6220	17.074			
1719-03-5	Chrysene-d12	7410	21.268			
1520-96-3	Perylene-d12	8860	23.516			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	G Environmental	Date Collected:	04/04/25
Project:	Stockton	Date Received:	04/04/25
Client Sample ID:	GST2	SDG No.:	Q1736
Lab Sample ID:	Q1736-02	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	80.5
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036850.D	1	04/07/25 08:55	04/07/25 13:06	PB167475

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	2.90	U	2.90	8.20	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.30		30 (17) - 150 (161)	75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 (23) - 150 (138)	94%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.29		30 (33) - 130 (121)	73%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		30 (32) - 130 (121)	76%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.29		30 (21) - 130 (130)	72%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1540	7.688			
1146-65-2	Naphthalene-d8	3990	10.477			
15067-26-2	Acenaphthene-d10	2300	14.334			
1517-22-2	Phenanthrene-d10	4940	17.074			
1719-03-5	Chrysene-d12	4940	21.277			
1520-96-3	Perylene-d12	4830	23.519			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

A

B

C

D

E

F

G

H

I

J

K

Surrogate Summary

SW-846

SDG No.: Q1736

Client: G Environmental

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB167475BL	PB167475BL	2-Methylnaphthalene-d10	0.4	0.33	82		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.41	103		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.31	76		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.26	65		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.35	88		30 (21)	130 (130)
PB167475BS	PB167475BS	2-Methylnaphthalene-d10	0.4	0.37	93		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.36	89		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.31	78		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.34	85		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.33	83		30 (21)	130 (130)
Q1736-01	GST1	2-Methylnaphthalene-d10	0.4	0.24	60		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.31	77		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.26	65		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.20	50		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.25	63		30 (21)	130 (130)
Q1736-02	GST2	2-Methylnaphthalene-d10	0.4	0.30	75		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.38	94		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.29	73		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.30	76		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.29	72		30 (21)	130 (130)
Q1736-02MS	GST2MS	2-Methylnaphthalene-d10	0.4	0.27	67		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.31	78		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.25	63		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.27	66		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.26	64		30 (21)	130 (130)
Q1736-02MSD	GST2MSD	2-Methylnaphthalene-d10	0.4	0.30	75		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.34	84		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.28	69		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.27	66		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.28	70		30 (21)	130 (130)

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1736

Client: G Environmental

Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1736-02MS	Client Sample ID:	GST2MS					DataFile:	BN036851.D		
1,4-Dioxane	16.5	0	12.7	ug/Kg	77				20 (70)	160 (130)	

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1736

Client: G Environmental

Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1736-02MSD	Client Sample ID:	GST2MSD					DataFile:	BN036852.D		
1,4-Dioxane	16.5	0	14.3	ug/Kg	87		12		20 (70)	160 (130)	30 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1736

Client: G Environmental

Analytical Method: 8270-Modified DataFile: BN036853.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB167475BS	1,4-Dioxane	13.3	10.4	ug/Kg	78				20 (70)	160 (130)	

() = LABORATORY INHOUSE LIMIT

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167475BL

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1736

SAS No.: Q1736 SDG NO.: Q1736

Lab File ID: BN036854.D

Lab Sample ID: PB167475BL

Instrument ID: BNA_N

Date Extracted: 04/07/2025

Matrix: (soil/water) SOIL

Date Analyzed: 04/07/2025

Level: (low/med) LOW

Time Analyzed: 15:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167475BS	PB167475BS	BN036853.D	04/07/2025
GST2	Q1736-02	BN036850.D	04/07/2025
GST2MS	Q1736-02MS	BN036851.D	04/07/2025
GST2MSD	Q1736-02MSD	BN036852.D	04/07/2025
GST1	Q1736-01	BN036855.D	04/07/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q1736 SDG NO.: Q1736

Lab File ID: BN036556.D

DFTPP Injection Date: 03/10/2025

Instrument ID: BNA_N

DFTPP Injection Time: 11:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	58.6
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	52.3
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	50.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	24.8
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	9.3
442	Greater than 50% of mass 198	55.6
443	15.0 - 24.0% of mass 442	10.9 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN036557.D	03/10/2025	11:42
SSTDICC0.2	SSTDICC0.2	BN036558.D	03/10/2025	12:18
SSTDICCC0.4	SSTDICCC0.4	BN036559.D	03/10/2025	12:54
SSTDICC0.8	SSTDICC0.8	BN036560.D	03/10/2025	13:31
SSTDICC1.6	SSTDICC1.6	BN036561.D	03/10/2025	14:07
SSTDICC3.2	SSTDICC3.2	BN036562.D	03/10/2025	14:43
SSTDICC5.0	SSTDICC5.0	BN036563.D	03/10/2025	15:19

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q1736 SDG NO.: Q1736

Lab File ID: BN036846.D

DFTPP Injection Date: 04/07/2025

Instrument ID: BNA_N

DFTPP Injection Time: 08:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	64.1
68	Less than 2.0% of mass 69	0.9 (1.6) 1
69	Mass 69 relative abundance	54
70	Less than 2.0% of mass 69	0.3 (0.5) 1
127	10.0 - 80.0% of mass 198	51.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	23.9
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	8.8
442	Greater than 50% of mass 198	55.6
443	15.0 - 24.0% of mass 442	10.4 (18.7) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN036847.D	04/07/2025	09:10
GST2	Q1736-02	BN036850.D	04/07/2025	13:06
GST2MS	Q1736-02MS	BN036851.D	04/07/2025	13:41
GST2MSD	Q1736-02MSD	BN036852.D	04/07/2025	14:18
PB167475BS	PB167475BS	BN036853.D	04/07/2025	14:54
PB167475BL	PB167475BL	BN036854.D	04/07/2025	15:30
GST1	Q1736-01	BN036855.D	04/07/2025	16:06

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736 SDG NO.: Q1736

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 04/07/2025

Lab File ID: BN036847.D Time Analyzed: 09:10

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	1549	7.688	3923	10.48	2335	14.33
UPPER LIMIT	3098	8.188	7846	10.977	4670	14.834
LOWER LIMIT	774.5	7.188	1961.5	9.977	1167.5	13.834
EPA SAMPLE NO.						
01 PB167475BL	1861	7.70	4270	10.49	2449	14.35
02 GST2	1541	7.69	3985	10.48	2296	14.33
03 PB167475BS	2470	7.69	6168	10.48	3444	14.33
04 GST1	1939	7.69	5044	10.48	2978	14.33
05 GST2MS	2354	7.69	6078	10.47	3507	14.33
06 GST2MSD	2270	7.69	5950	10.48	3412	14.33

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736 SDG NO.: Q1736

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 04/07/2025

Lab File ID: BN036847.D Time Analyzed: 09:10

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	5079	17.074	4233	21.277	3968	23.516
UPPER LIMIT	10158	17.574	8466	21.777	7936	24.016
LOWER LIMIT	2539.5	16.574	2116.5	20.777	1984	23.016
EPA SAMPLE NO.						
01 PB167475BL	4708	17.10	4003	21.29	3652	23.52
02 GST2	4940	17.07	4936	21.28	4825	23.52
03 PB167475BS	7012	17.07	5617	21.27	4951	23.52
04 GST1	6224	17.07	7413	21.27	8861 *	23.52
05 GST2MS	7277	17.07	6717	21.27	6473	23.51
06 GST2MSD	6916	17.07	6228	21.27	5983	23.51

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	PB167475BL	SDG No.:	Q1736
Lab Sample ID:	PB167475BL	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036854.D	1	04/07/25 08:55	04/07/25 15:30	PB167475

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	2.30	U	2.30	6.60	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.33		30 (17) - 150 (161)	82%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 (23) - 150 (138)	103%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		30 (33) - 130 (121)	76%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.26		30 (32) - 130 (121)	65%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.35		30 (21) - 130 (130)	88%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1860	7.695			
1146-65-2	Naphthalene-d8	4270	10.487			
15067-26-2	Acenaphthene-d10	2450	14.345			
1517-22-2	Phenanthrene-d10	4710	17.099			
1719-03-5	Chrysene-d12	4000	21.286			
1520-96-3	Perylene-d12	3650	23.522			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	PB167475BS	SDG No.:	Q1736
Lab Sample ID:	PB167475BS	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036853.D	1	04/07/25 08:55	04/07/25 14:54	PB167475

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	10.4		2.30	6.60	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.37		30 (17) - 150 (161)	93%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 (23) - 150 (138)	89%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		30 (33) - 130 (121)	78%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		30 (32) - 130 (121)	85%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.33		30 (21) - 130 (130)	83%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2470	7.688			
1146-65-2	Naphthalene-d8	6170	10.477			
15067-26-2	Acenaphthene-d10	3440	14.334			
1517-22-2	Phenanthrene-d10	7010	17.074			
1719-03-5	Chrysene-d12	5620	21.268			
1520-96-3	Perylene-d12	4950	23.516			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	G Environmental	Date Collected:	04/04/25
Project:	Stockton	Date Received:	04/04/25
Client Sample ID:	GST2MS	SDG No.:	Q1736
Lab Sample ID:	Q1736-02MS	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	80.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036851.D	1	04/07/25 08:55	04/07/25 13:41	PB167475

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	12.7		2.90	8.20	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.27		30 (17) - 150 (161)	67%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.31		30 (23) - 150 (138)	78%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.25		30 (33) - 130 (121)	63%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.27		30 (32) - 130 (121)	66%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.26		30 (21) - 130 (130)	64%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2350	7.688			
1146-65-2	Naphthalene-d8	6080	10.466			
15067-26-2	Acenaphthene-d10	3510	14.334			
1517-22-2	Phenanthrene-d10	7280	17.074			
1719-03-5	Chrysene-d12	6720	21.268			
1520-96-3	Perylene-d12	6470	23.513			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	G Environmental	Date Collected:	04/04/25
Project:	Stockton	Date Received:	04/04/25
Client Sample ID:	GST2MSD	SDG No.:	Q1736
Lab Sample ID:	Q1736-02MSD	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	80.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036852.D	1	04/07/25 08:55	04/07/25 14:18	PB167475

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	14.3		2.90	8.20	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.30		30 (17) - 150 (161)	75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 (23) - 150 (138)	84%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		30 (33) - 130 (121)	69%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.27		30 (32) - 130 (121)	66%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.28		30 (21) - 130 (130)	70%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2270	7.688			
1146-65-2	Naphthalene-d8	5950	10.477			
15067-26-2	Acenaphthene-d10	3410	14.334			
1517-22-2	Phenanthrene-d10	6920	17.074			
1719-03-5	Chrysene-d12	6230	21.268			
1520-96-3	Perylene-d12	5980	23.514			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

A

B

C

D

E

F

G

H

I

J

K

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : 8270-SIM-BN031025.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Mar 10 16:06:28 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN036557.D 0.2 =BN036558.D 0.4 =BN036559.D 0.8 =BN036560.D 1.6 =BN036561.D 3.2 =BN036562.D 5.0 =BN036563.D

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.434	0.439	0.498	0.451	0.440	0.445	0.399	0.444	6.60
3)	n-Nitrosodimet...	1.112	0.874	0.935	0.841	0.850	0.883	0.789	0.898	11.64
4) S	2-Fluorophenol	0.931	0.908	0.987	0.878	0.914	0.996	0.911	0.932	4.67
5) S	Phenol-d6	1.243	1.057	1.128	1.067	1.133	1.254	1.180	1.152	6.79
6)	bis(2-Chloroet...	1.426	1.150	1.183	1.129	1.132	1.210	1.104	1.190	9.22
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.572	0.396	0.415	0.401	0.402	0.450	0.411	0.435	14.47
9)	Naphthalene	1.371	1.125	1.206	1.111	1.108	1.222	1.094	1.177	8.45
10)	Hexachlorobuta...	0.296	0.283	0.294	0.267	0.261	0.286	0.251	0.277	6.24
11) SURR2	Methylnaphth...	0.656	0.549	0.606	0.562	0.577	0.633	0.581	0.595	6.55
12)	2-Methylnaphth...	0.810	0.696	0.765	0.703	0.734	0.802	0.731	0.749	6.03
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.181	0.160	0.187	0.169	0.188	0.197	0.188	0.182	7.04
15) S	2-Fluorobiphenyl	2.208	1.982	2.398	2.350	2.364	2.566	2.419	2.327	7.96
16)	Acenaphthylene	1.882	1.756	1.938	1.794	1.834	2.074	1.935	1.888	5.66
17)	Acenaphthene	1.257	1.159	1.281	1.171	1.199	1.339	1.243	1.236	5.17
18)	Fluorene	1.629	1.600	1.764	1.609	1.670	1.778	1.650	1.672	4.32
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.057	0.077	0.075	0.088	0.110	0.111	0.086		24.66
21)	4-Bromophenyl-...	0.243	0.227	0.274	0.238	0.241	0.278	0.253	0.251	7.53
22)	Hexachlorobenzene	0.306	0.288	0.336	0.295	0.283	0.322	0.289	0.303	6.58
23)	Atrazine	0.193	0.191	0.213	0.192	0.200	0.216	0.200	0.201	5.08
24)	Pentachlorophenol	0.140	0.116	0.137	0.122	0.135	0.161	0.155	0.138	11.76
25)	Phenanthrene	1.190	1.111	1.297	1.141	1.165	1.300	1.195	1.200	6.09
26)	Anthracene	1.026	0.971	1.147	1.033	1.075	1.215	1.112	1.083	7.60
27) SURR	Fluoranthene-d10	1.037	0.955	1.116	0.956	1.025	1.087	1.000	1.025	5.98
28)	Fluoranthene	1.341	1.243	1.452	1.272	1.364	1.447	1.316	1.348	5.95
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.945	2.005	2.131	1.910	1.870	1.992	1.837	1.956	5.04
31) S	Terphenyl-d14	0.962	0.965	1.028	0.924	0.915	0.987	0.926	0.958	4.23
32)	Benzo(a)anthra...	1.389	1.315	1.437	1.304	1.347	1.528	1.415	1.391	5.63
33)	Chrysene	1.486	1.509	1.610	1.507	1.462	1.616	1.448	1.520	4.44
34)	Bis(2-ethylhex...	1.196	1.100	1.044	0.865	0.946	0.912	0.870	0.990	12.74
35) I	Perylene-d12	-----ISTD-----								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\

Method File : 8270-SIM-BN031025.M

36)	Indeno(1,2,3-c...	1.160	1.316	1.546	1.404	1.417	1.693	1.571	1.444	12.27
37)	Benzo(b)fluora...	1.311	1.360	1.547	1.402	1.477	1.595	1.498	1.456	7.04
38)	Benzo(k)fluora...	1.504	1.397	1.620	1.481	1.521	1.635	1.534	1.527	5.34
39) C	Benzo(a)pyrene	1.090	1.152	1.303	1.195	1.223	1.350	1.268	1.226	7.29
40)	Dibenzo(a,h)an...	0.893	0.981	1.163	1.126	1.102	1.351	1.252	1.124	13.76
41)	Benzo(g,h,i)pe...	1.138	1.213	1.382	1.250	1.233	1.449	1.334	1.286	8.36

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736 SDG No.: Q1736

Instrument ID: BNA_N Calibration Date/Time: 04/07/2025 09:10

Lab File ID: BN036847.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:42 15:19

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.595	0.593		-0.3	20.0
Fluoranthene-d10	1.025	1.128		10.0	20.0
2-Fluorophenol	0.932	0.910		-2.4	20.0
Phenol-d6	1.152	1.108		-3.8	20.0
Nitrobenzene-d5	0.435	0.406		-6.7	20.0
2-Fluorobiphenyl	2.327	2.119		-8.9	20.0
2,4,6-Tribromophenol	0.182	0.174		-4.4	20.0
Terphenyl-d14	0.958	0.887		-7.4	20.0
1,4-Dioxane	0.444	0.474		6.8	20.0

All other compounds must meet a minimum RRF of 0.010.



SAMPLE RAW DATA

A

B

C

D

E

F

G

H

I

J

K

5

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
 Data File : BN036855.D
 Acq On : 07 Apr 2025 16:06
 Operator : RC/JU
 Sample : Q1736-01 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GST1

Quant Time: Apr 07 16:29:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 04 17:30:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

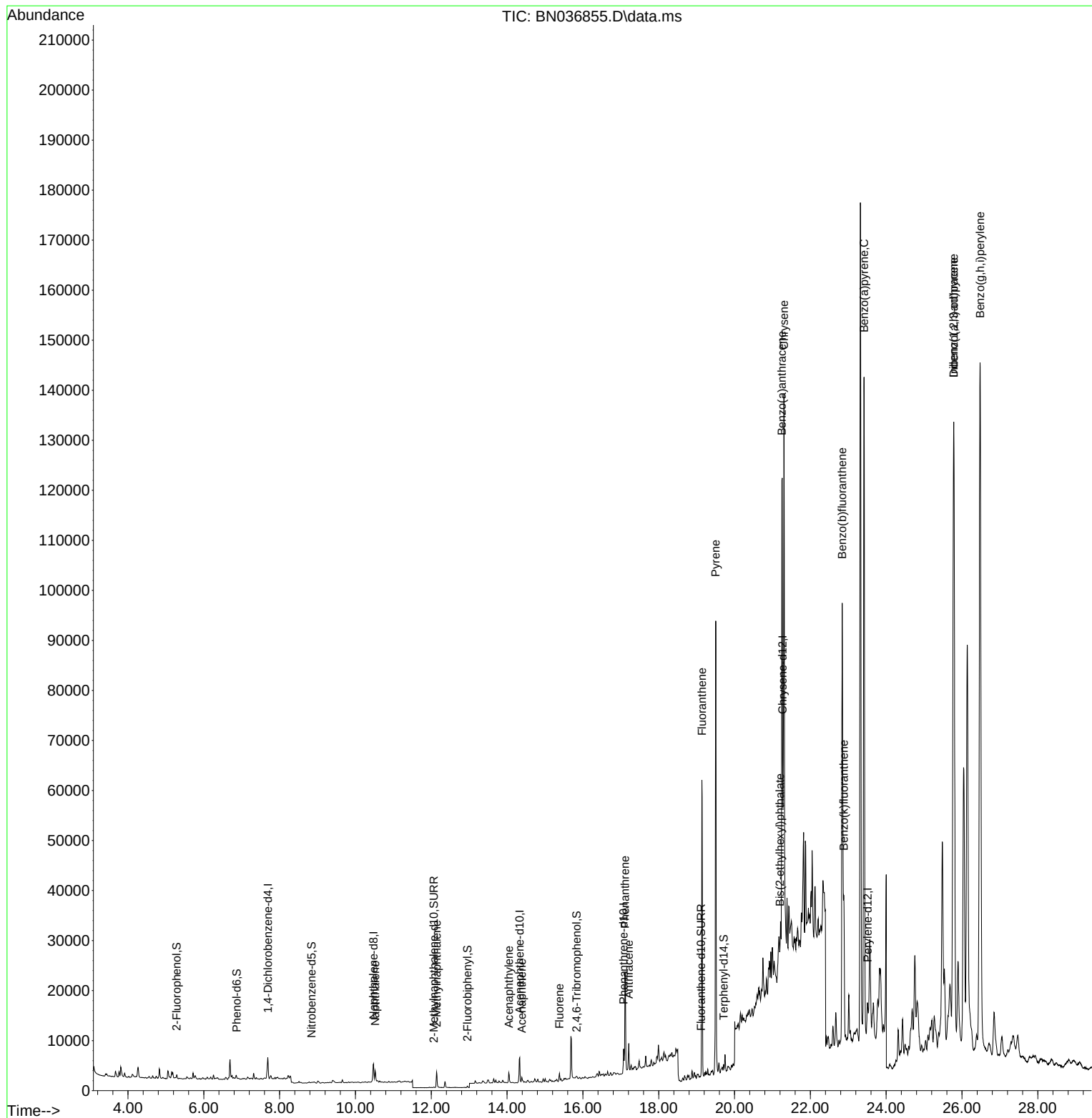
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.688	152	1939	0.400	ng	0.00
7) Naphthalene-d8	10.477	136	5044	0.400	ng	0.00
13) Acenaphthene-d10	14.334	164	2978	0.400	ng	0.00
19) Phenanthrene-d10	17.074	188	6224	0.400	ng	# 0.00
29) Chrysene-d12	21.268	240	7413	0.400	ng	# 0.00
35) Perylene-d12	23.516	264	8861	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	120	0.027	ng	0.00
5) Phenol-d6	6.865	99	152	0.027	ng	0.00
8) Nitrobenzene-d5	8.843	82	142	0.026	ng	0.00
11) 2-Methylnaphthalene-d10	12.065	152	180	0.024	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	39	0.029	ng	0.00
15) 2-Fluorobiphenyl	12.953	172	355	0.020	ng	0.00
27) Fluoranthene-d10	19.113	212	502	0.031	ng	0.00
31) Terphenyl-d14	19.713	244	452	0.025	ng	0.00
Target Compounds					Qvalue	
9) Naphthalene	10.520	128	3104	0.209	ng	95
12) 2-Methylnaphthalene	12.141	142	2323	0.246	ng	98
16) Acenaphthylene	14.046	152	2115	0.150	ng	96
17) Acenaphthene	14.388	154	411	0.045	ng	93
18) Fluorene	15.382	166	918	0.074	ng	# 85
25) Phenanthrene	17.111	178	22624	1.212	ng	99
26) Anthracene	17.211	178	5756	0.342	ng	98
28) Fluoranthene	19.141	202	51418	2.452	ng	99
30) Pyrene	19.504	202	78266	2.159	ng	# 96
32) Benzo(a)anthracene	21.250	228	90150	3.497	ng	95
33) Chrysene	21.304	228	100010	3.551	ng	97
34) Bis(2-ethylhexyl)phtha...	21.196	149	2141	0.117	ng	# 97
36) Indeno(1,2,3-cd)pyrene	25.782	276	128371	4.014	ng	# 92
37) Benzo(b)fluoranthene	22.841	252	132699	4.115	ng	# 89
38) Benzo(k)fluoranthene	22.879	252	32592m	0.963	ng	
39) Benzo(a)pyrene	23.417	252	177833m	6.549	ng	
40) Dibenzo(a,h)anthracene	25.782	278	124897	5.016	ng	95
41) Benzo(g,h,i)perylene	26.478	276	270825	9.508	ng	96

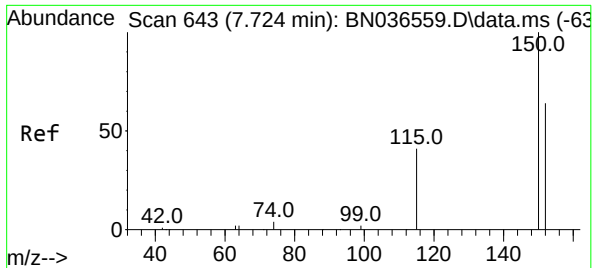
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
Data File : BN036855.D
Acq On : 07 Apr 2025 16:06
Operator : RC/JU
Sample : Q1736-01 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GST1

Quant Time: Apr 07 16:29:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 04 17:30:43 2025
Response via : Initial Calibration

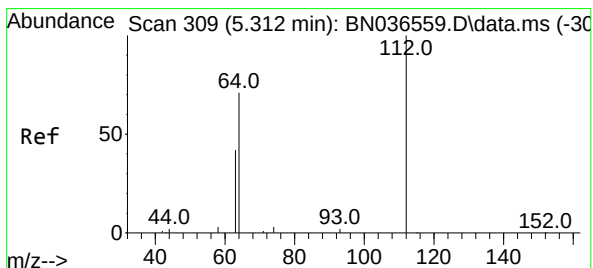
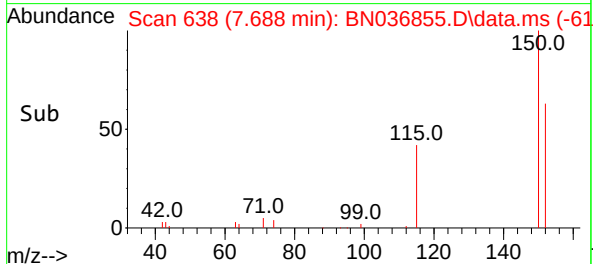
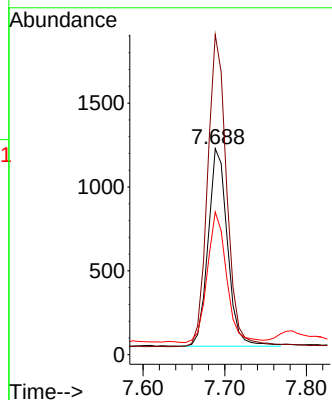
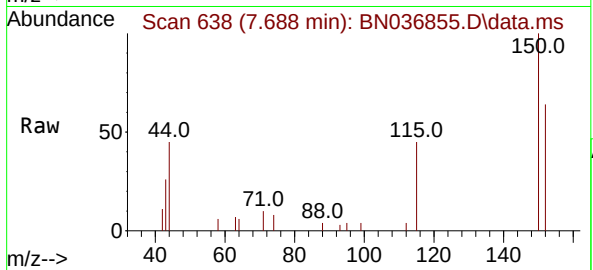




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.688 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

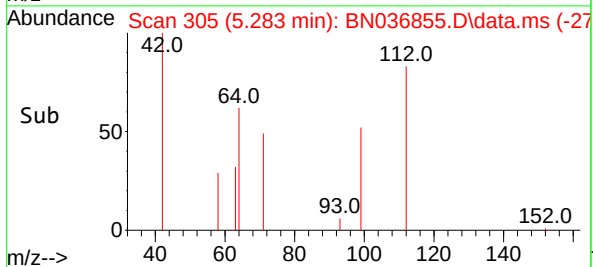
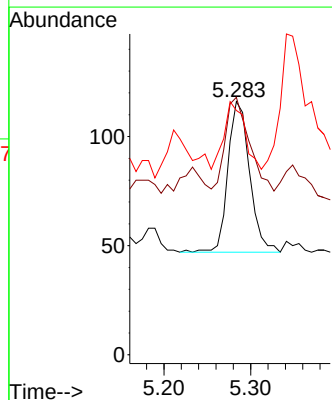
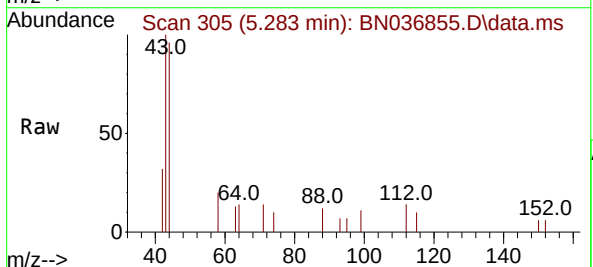
Instrument :
BNA_N
ClientSampleId :
GST1

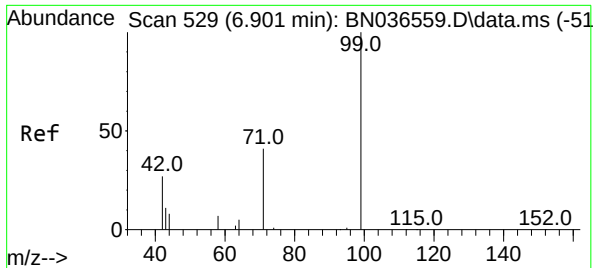
Tgt Ion:152 Resp: 1939
Ion Ratio Lower Upper
152 100
150 155.2 123.7 185.5
115 69.2 54.3 81.5



#4
2-Fluorophenol
Concen: 0.027 ng
RT: 5.283 min Scan# 305
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion:112 Resp: 120
Ion Ratio Lower Upper
112 100
64 91.7 53.1 79.7#
63 41.7 31.8 47.8

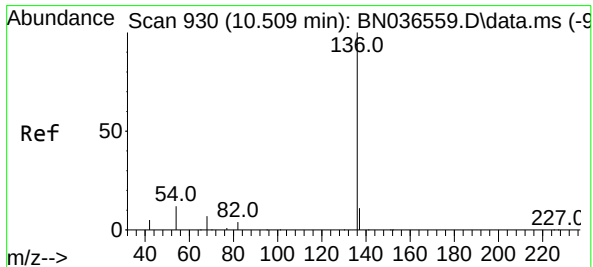
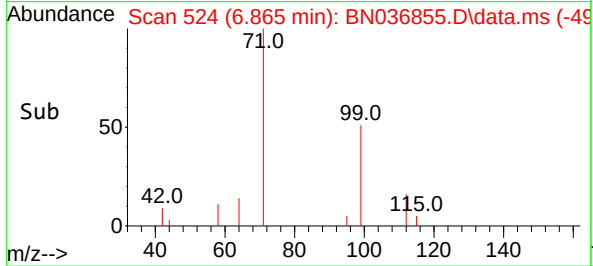
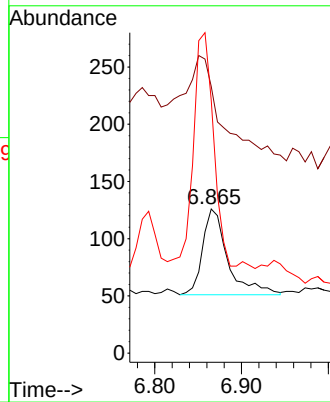
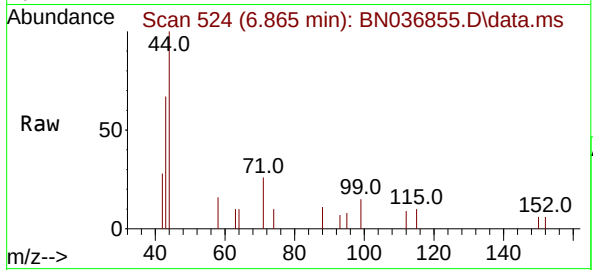




#5
Phenol-d6
Concen: 0.027 ng
RT: 6.865 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

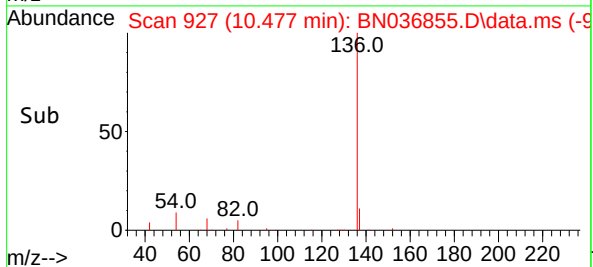
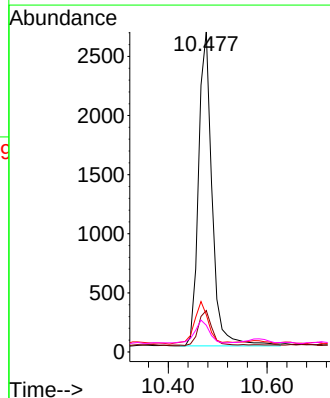
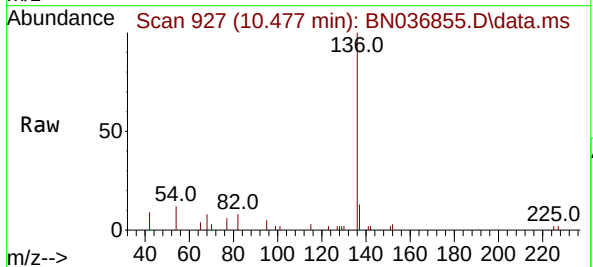
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BNA_N
ClientSampleId :
GST1

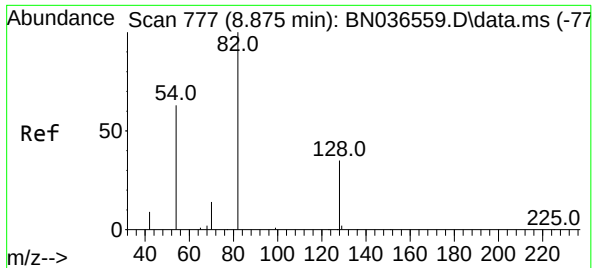
Tgt Ion: 99 Resp: 152
Ion Ratio Lower Upper
99 100
42 162.5 26.5 39.7#
71 217.1 34.1 51.1#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.477 min Scan# 927
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion: 136 Resp: 5044
Ion Ratio Lower Upper
136 100
137 13.0 10.3 15.5
54 11.7 11.5 17.3
68 8.3 7.0 10.4

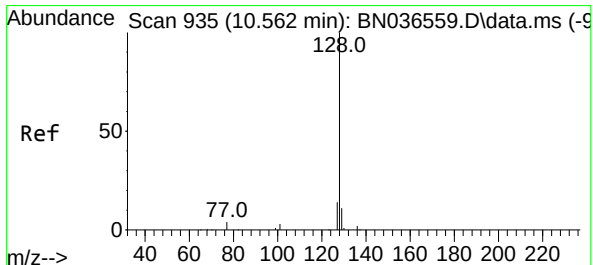
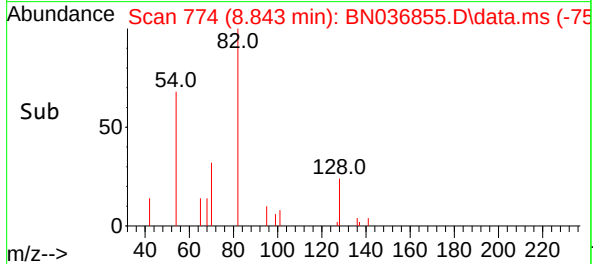
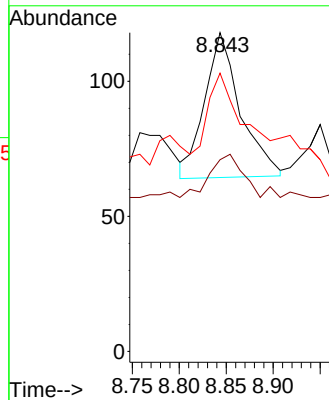
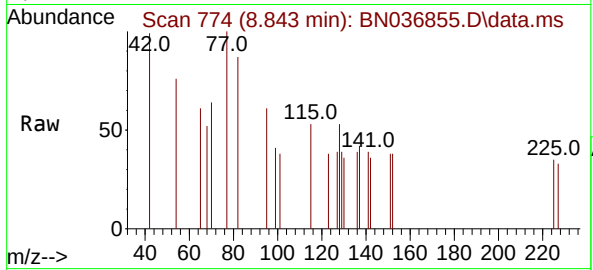




#8
Nitrobenzene-d5
Concen: 0.026 ng
RT: 8.843 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

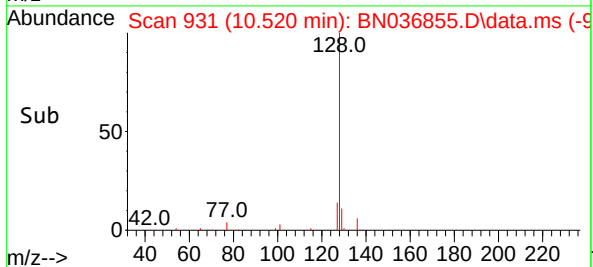
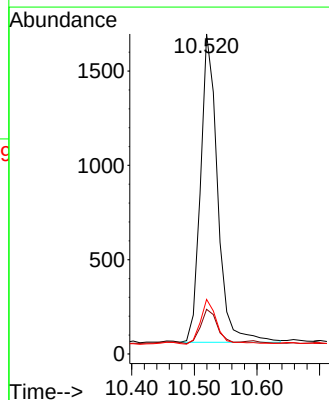
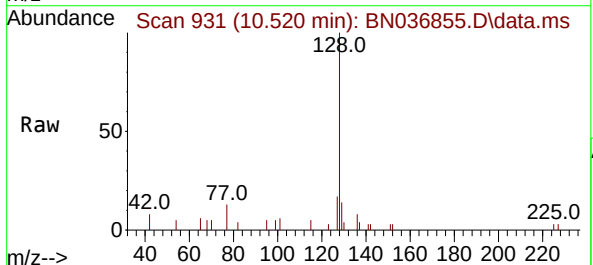
Instrument :
BNA_N
ClientSampleId :
GST1

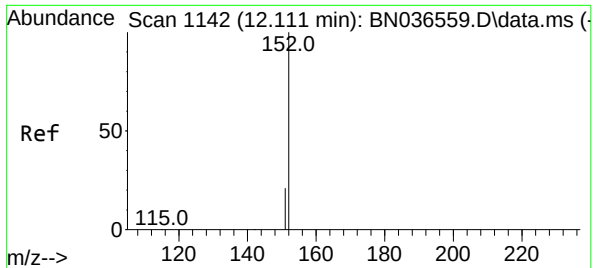
Tgt Ion: 82 Resp: 142
Ion Ratio Lower Upper
82 100
128 60.2 30.6 45.8#
54 87.3 52.2 78.4#



#9
Naphthalene
Concen: 0.209 ng
RT: 10.520 min Scan# 931
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion: 128 Resp: 3104
Ion Ratio Lower Upper
128 100
129 14.0 9.8 14.6
127 17.0 11.8 17.8

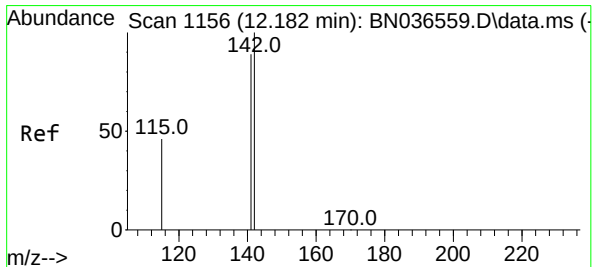
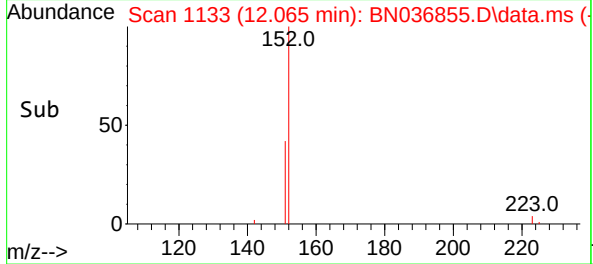
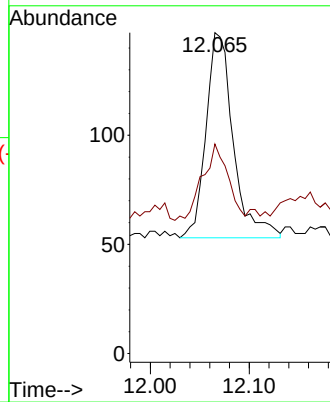
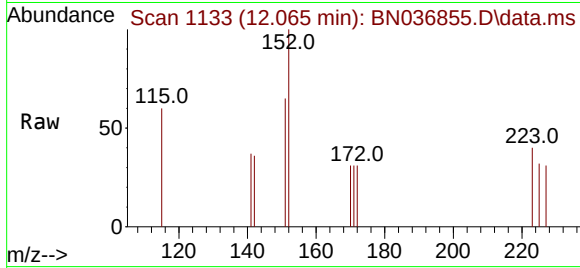




#11
2-Methylnaphthalene-d10
Concen: 0.024 ng
RT: 12.065 min Scan# 1141
Delta R.T. -0.005 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

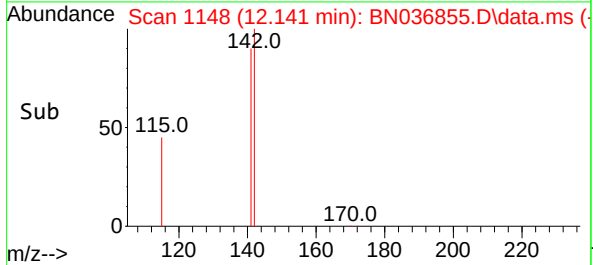
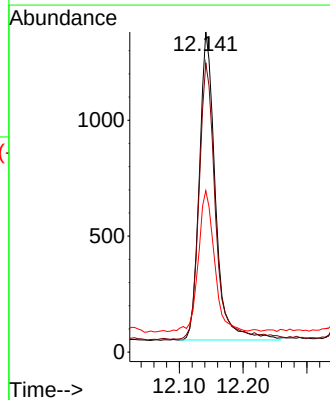
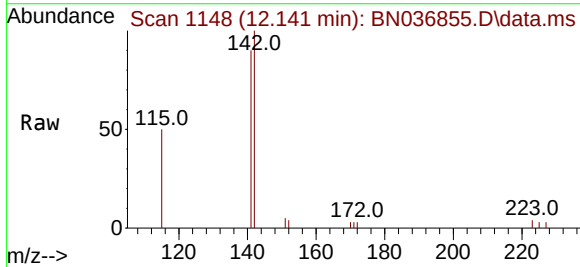
Instrument :
BNA_N
ClientSampleId :
GST1

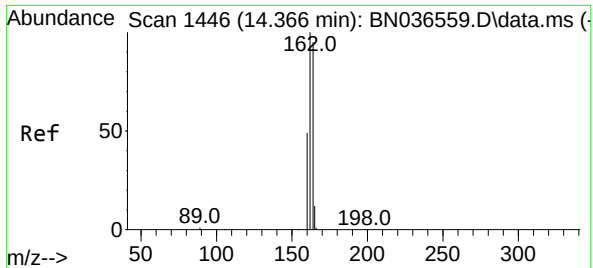
Tgt Ion:152 Resp: 180
Ion Ratio Lower Upper
152 100
151 35.0 17.0 25.6#



#12
2-Methylnaphthalene
Concen: 0.246 ng
RT: 12.141 min Scan# 1148
Delta R.T. -0.005 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion:142 Resp: 2323
Ion Ratio Lower Upper
142 100
141 90.3 71.7 107.5
115 50.4 38.3 57.5

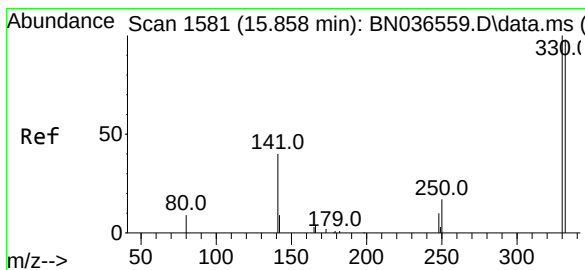
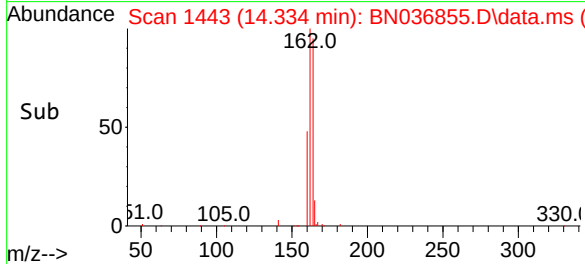
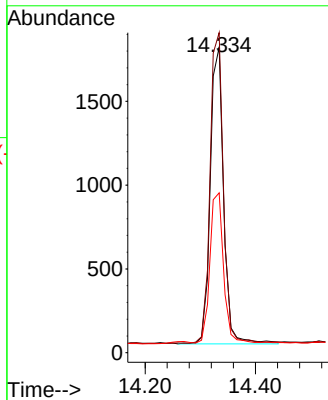
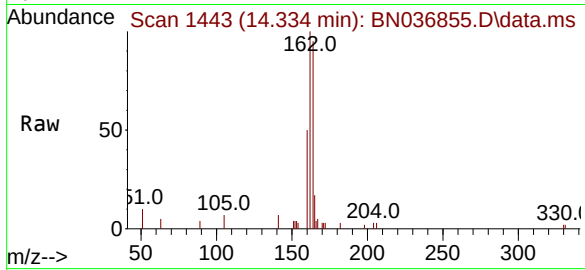




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

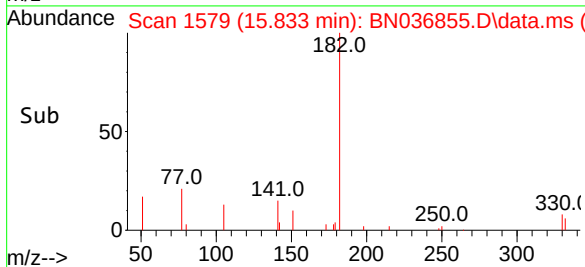
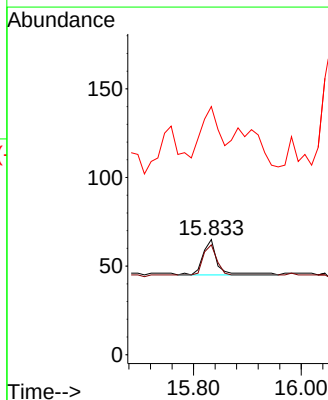
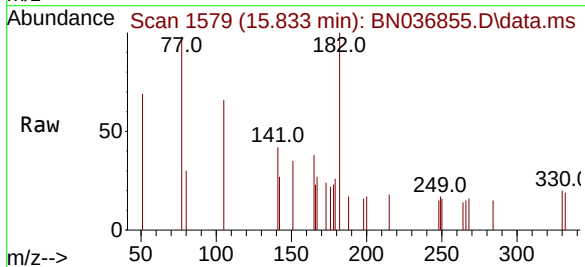
Instrument :
BNA_N
ClientSampleId :
GST1

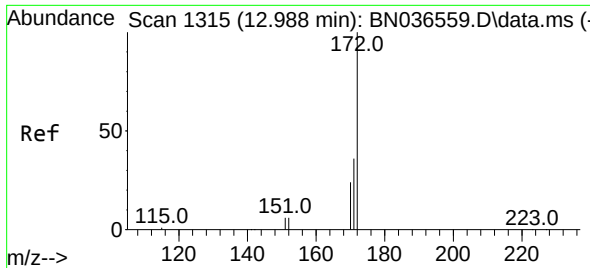
Tgt Ion:	164	Resp:	2978
Ion	Ratio	Lower	Upper
164	100		
162	104.8	84.2	126.2
160	52.3	42.2	63.2



#14
2,4,6-Tribromophenol
Concen: 0.029 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion:	330	Resp:	39
Ion	Ratio	Lower	Upper
330	100		
332	82.1	75.2	112.8
141	223.1	43.4	65.2#

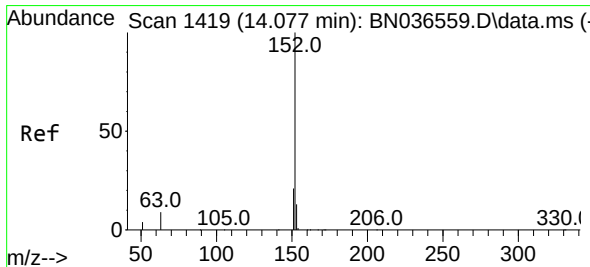
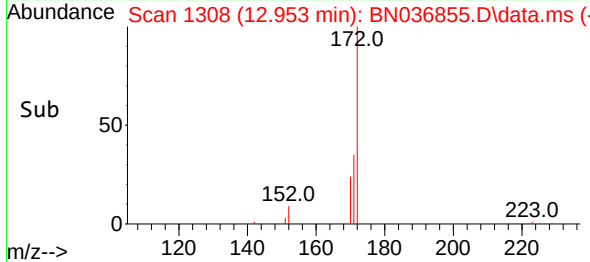
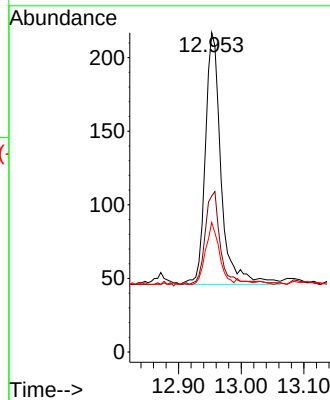
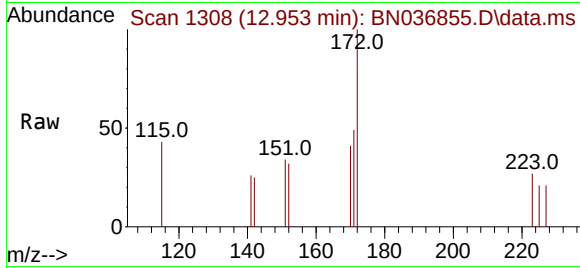




#15
2-Fluorobiphenyl
Concen: 0.020 ng
RT: 12.953 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

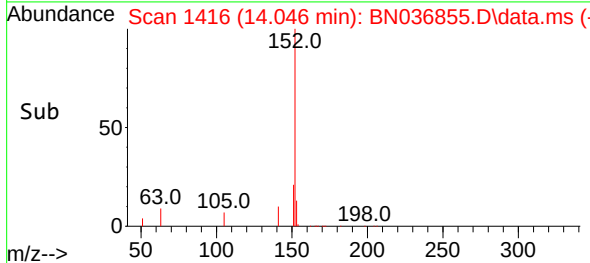
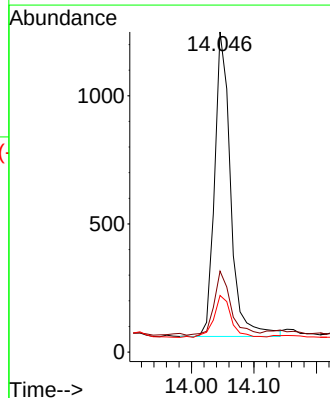
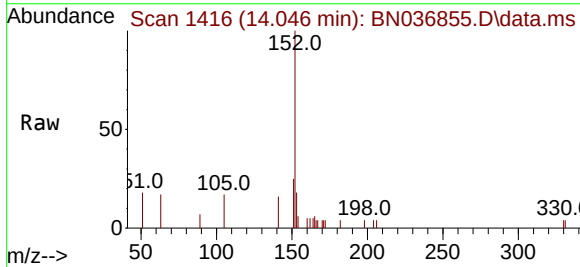
Instrument :
BNA_N
ClientSampleId :
GST1

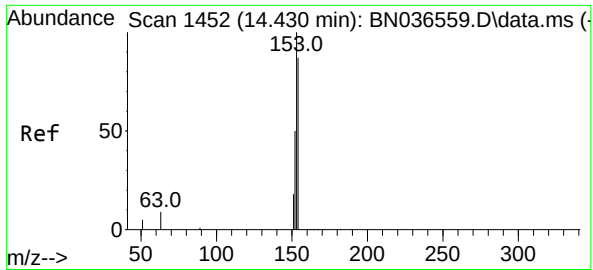
Tgt Ion	Ratio	Lower	Upper
172	100		
171	48.8	29.5	44.3#
170	40.6	20.2	30.4#



#16
Acenaphthylene
Concen: 0.150 ng
RT: 14.046 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

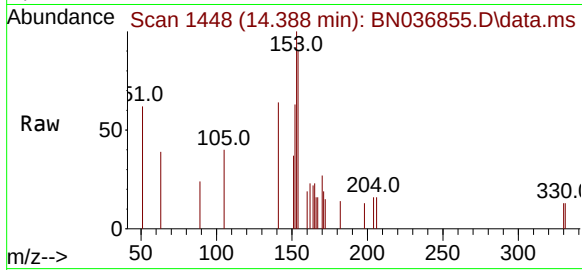
Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.8	16.2	24.4
153	15.1	10.6	15.8



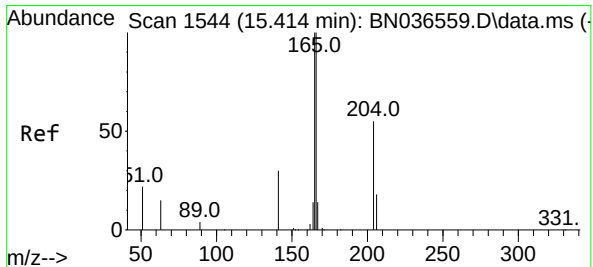
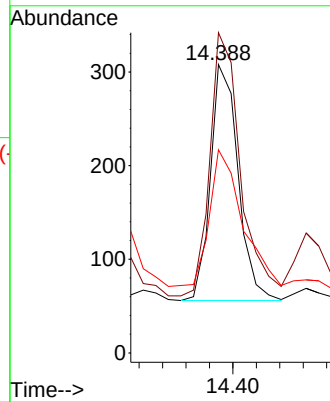
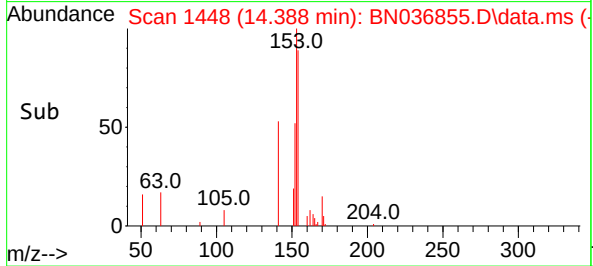


#17
Acenaphthene
Concen: 0.045 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Instrument :
BNA_N
ClientSampleId :
GST1

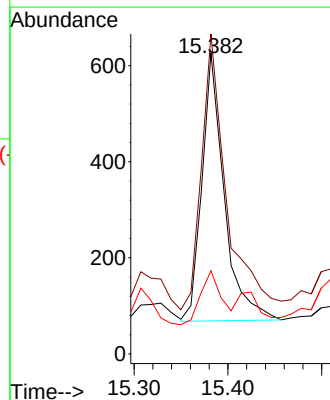
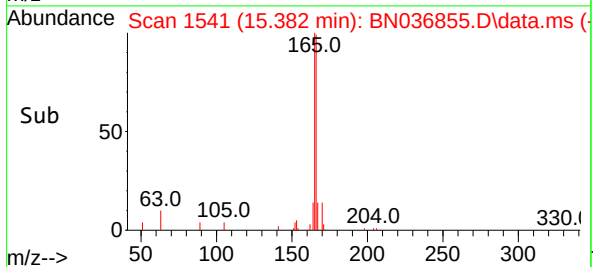
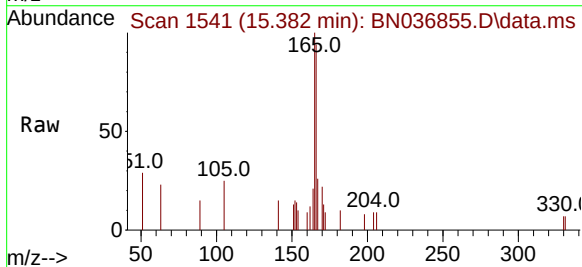


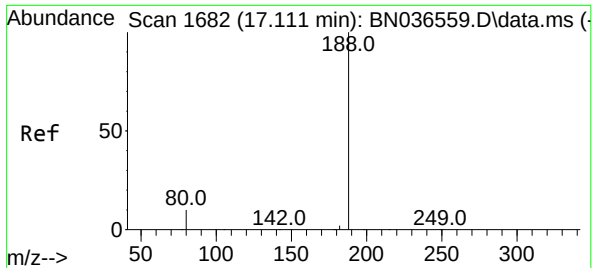
Tgt Ion:154 Resp: 411
Ion Ratio Lower Upper
154 100
153 123.4 94.1 141.1
152 69.3 49.8 74.6



#18
Fluorene
Concen: 0.074 ng
RT: 15.382 min Scan# 1541
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion:166 Resp: 918
Ion Ratio Lower Upper
166 100
165 114.5 79.8 119.8
167 19.1 10.6 15.8#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.074 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN036855.D

Acq: 07 Apr 2025 16:06

Instrument :

BNA_N

ClientSampleId :

GST1

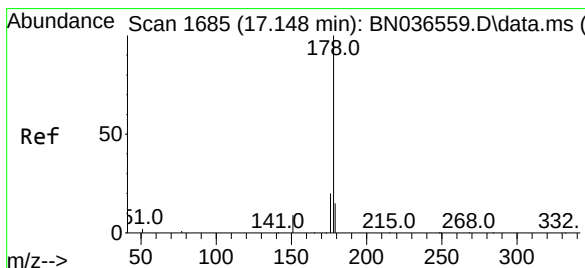
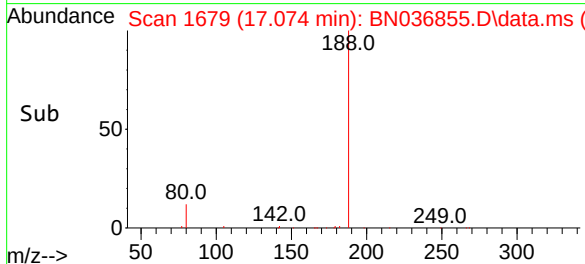
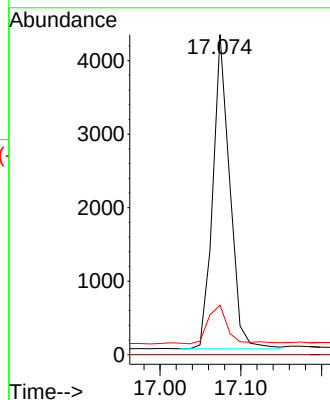
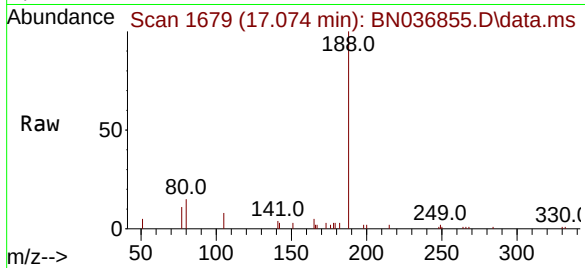
Tgt Ion:188 Resp: 6224

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.5 8.8 13.2#



#25

Phenanthrene

Concen: 1.212 ng

RT: 17.111 min Scan# 1682

Delta R.T. -0.012 min

Lab File: BN036855.D

Acq: 07 Apr 2025 16:06

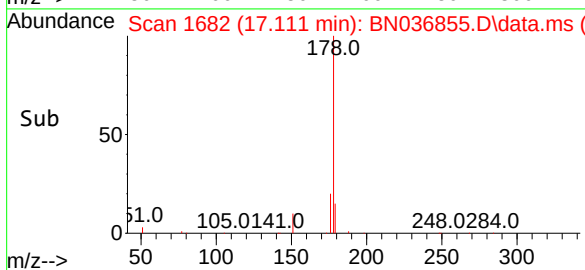
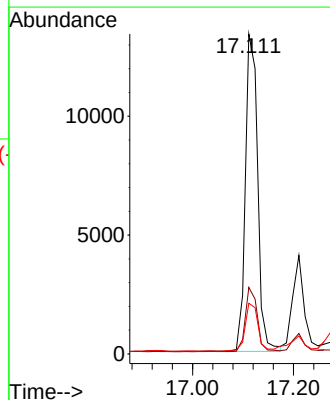
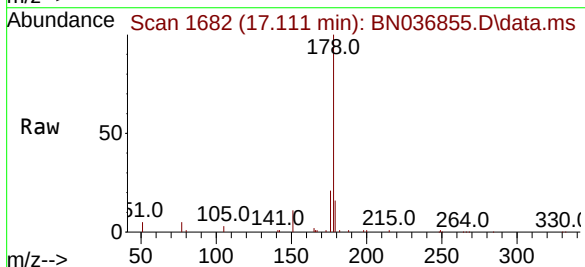
Tgt Ion:178 Resp: 22624

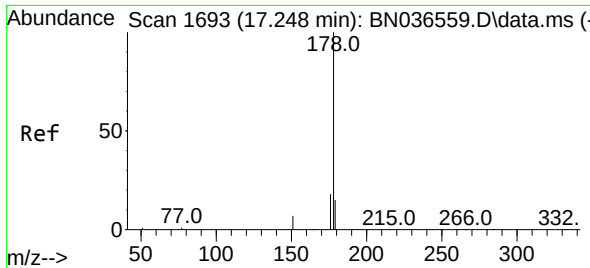
Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

179 15.6 12.2 18.4

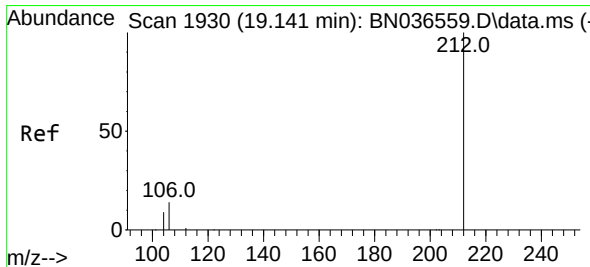
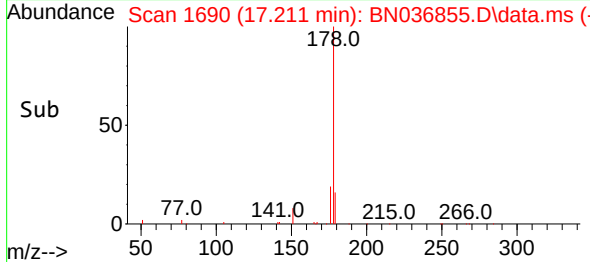
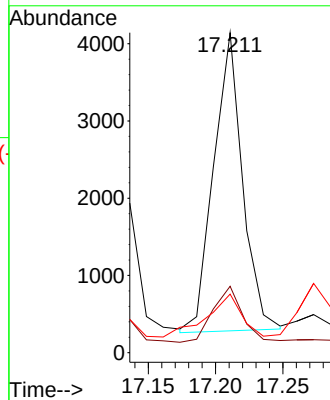
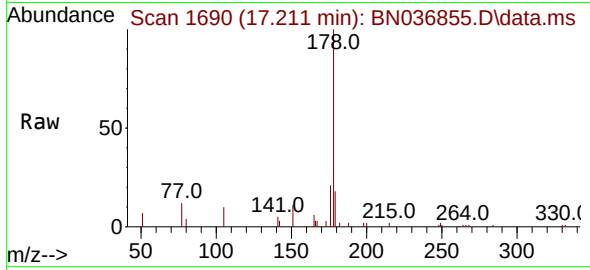




#26
Anthracene
Concen: 0.342 ng
RT: 17.211 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

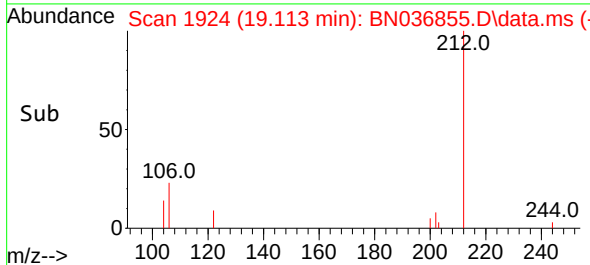
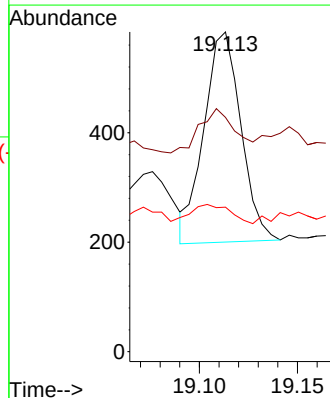
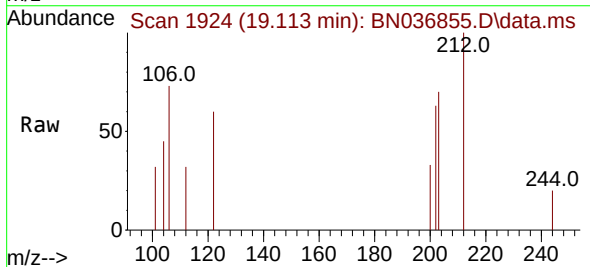
Instrument :
BNA_N
ClientSampleId :
GST1

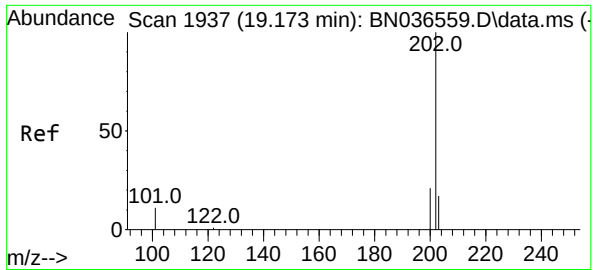
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	17.8	12.6	18.8



#27
Fluoranthene-d10
Concen: 0.031 ng
RT: 19.113 min Scan# 1924
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion	Ratio	Lower	Upper
212	100		
106	20.1	11.8	17.6#
104	10.8	7.3	10.9

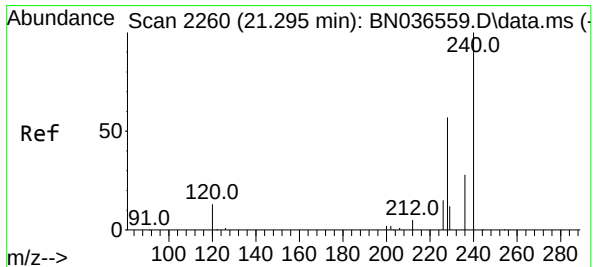
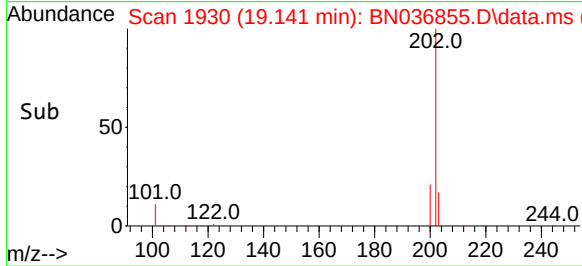
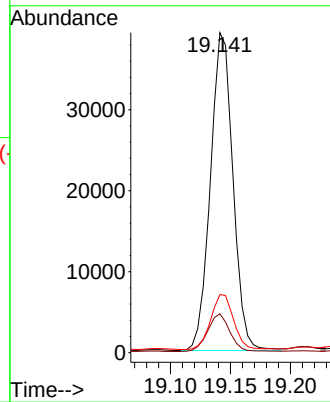
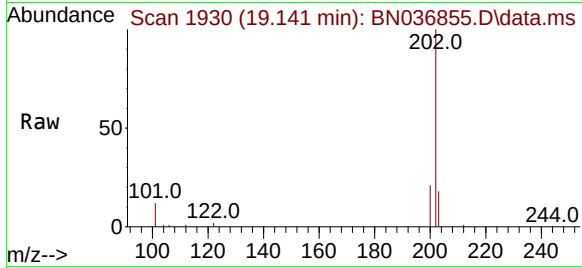




#28
Fluoranthene
Concen: 2.452 ng
RT: 19.141 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

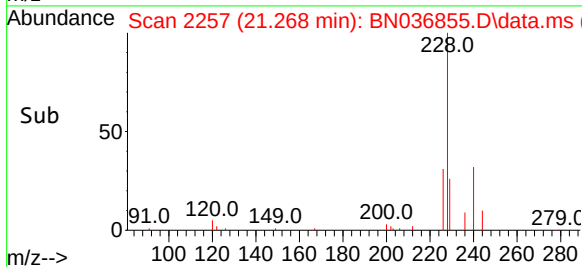
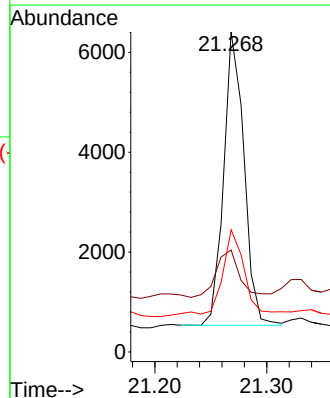
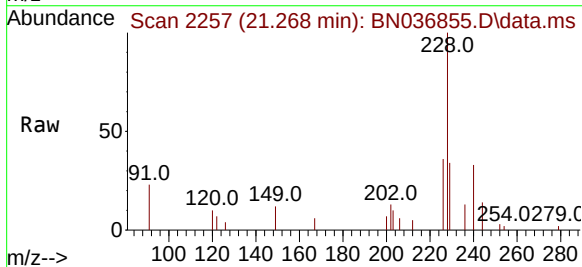
Instrument :
BNA_N
ClientSampleId :
GST1

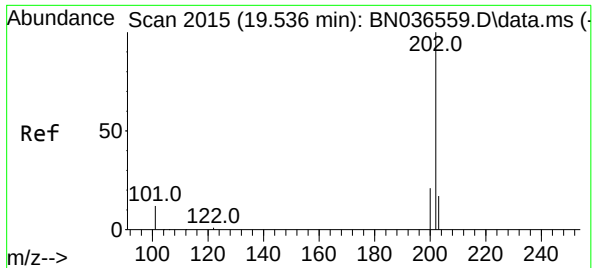
Tgt Ion:202 Resp: 51418
Ion Ratio Lower Upper
202 100
101 11.7 9.4 14.0
203 17.6 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2257
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion:240 Resp: 7413
Ion Ratio Lower Upper
240 100
120 31.8 14.6 22.0#
236 38.2 24.1 36.1#

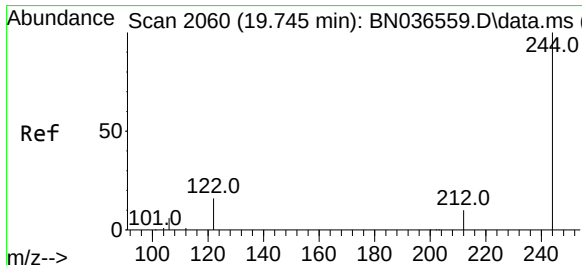
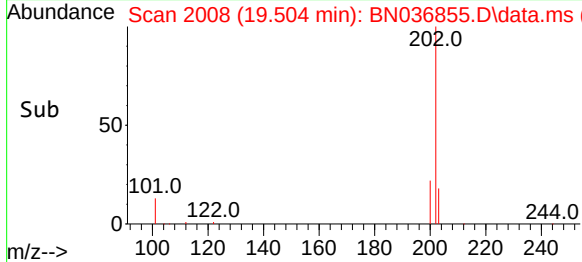
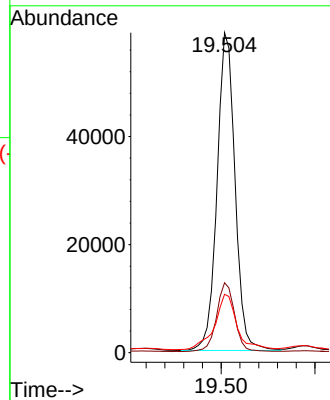
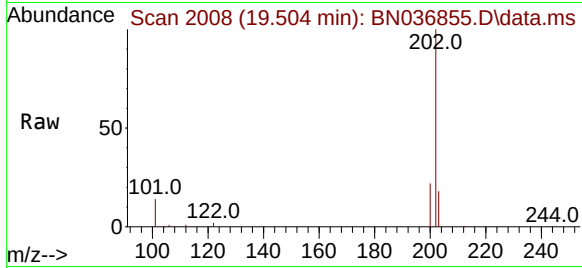




#30
Pyrene
Concen: 2.159 ng
RT: 19.504 min Scan# 2015
Delta R.T. -0.005 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

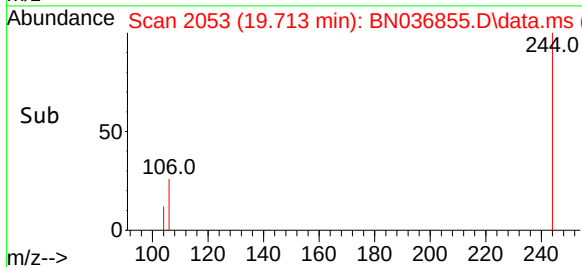
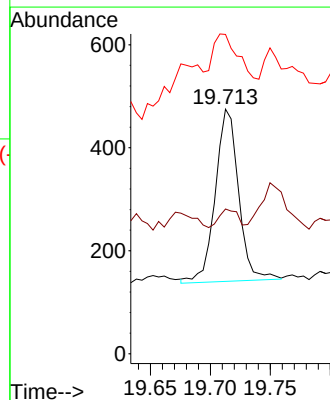
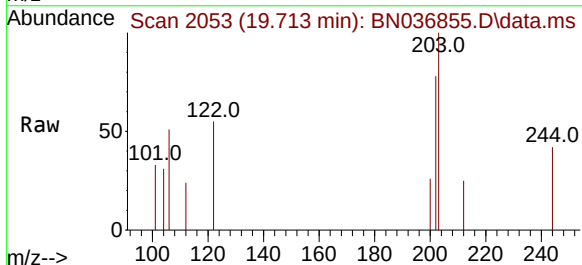
Instrument :
BNA_N
ClientSampleId :
GST1

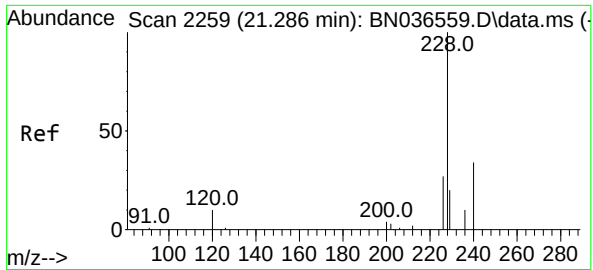
Tgt Ion:202 Resp: 78266
Ion Ratio Lower Upper
202 100
200 21.6 17.1 25.7
203 21.5 14.1 21.1#



#31
Terphenyl-d14
Concen: 0.025 ng
RT: 19.713 min Scan# 2053
Delta R.T. -0.005 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion:244 Resp: 452
Ion Ratio Lower Upper
244 100
212 59.2 9.6 14.4#
122 130.5 13.9 20.9#

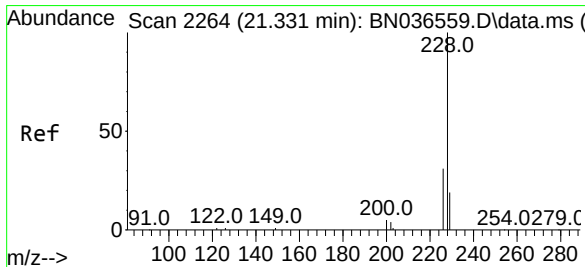
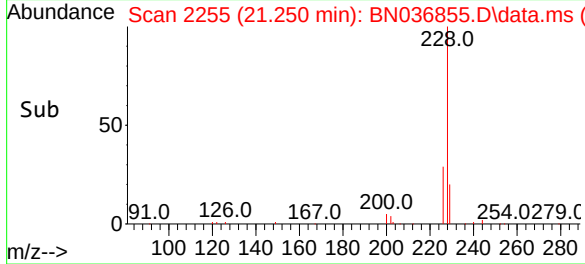
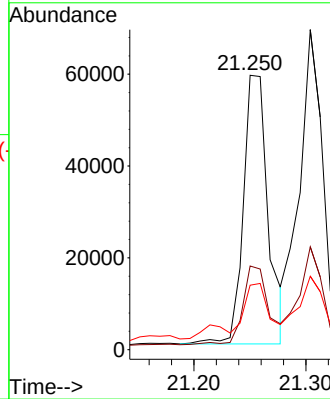
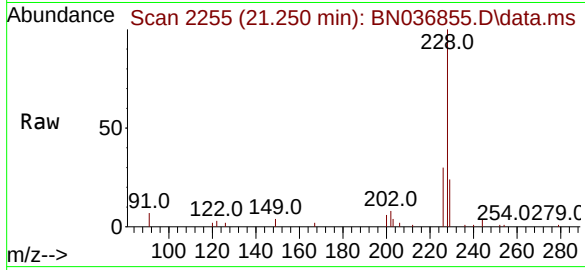




#32
Benzo(a)anthracene
Concen: 3.497 ng
RT: 21.250 min Scan# 211
Delta R.T. -0.009 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

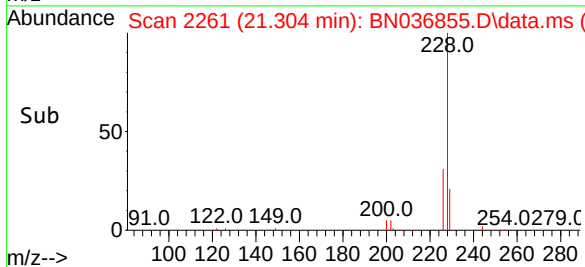
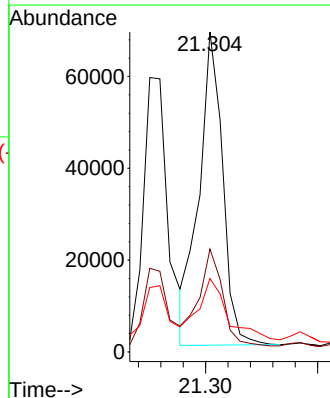
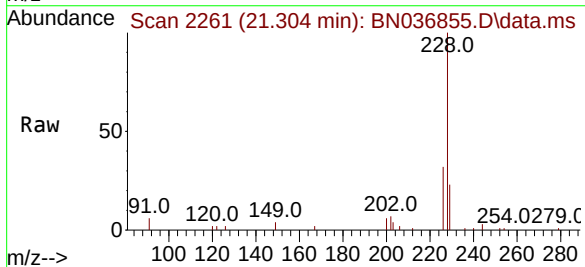
Instrument :
BNA_N
ClientSampleId :
GST1

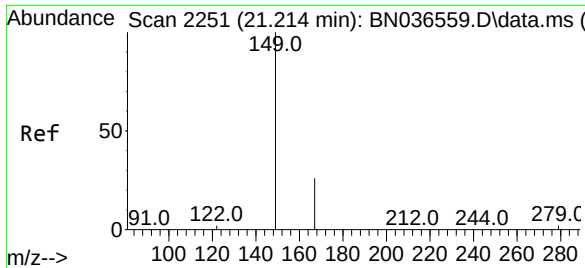
Tgt Ion:228 Resp: 90150
Ion Ratio Lower Upper
228 100
226 30.5 22.5 33.7
229 23.5 16.6 25.0



#33
Chrysene
Concen: 3.551 ng
RT: 21.304 min Scan# 2261
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion:228 Resp: 100010
Ion Ratio Lower Upper
228 100
226 32.2 25.3 37.9
229 23.0 15.8 23.8

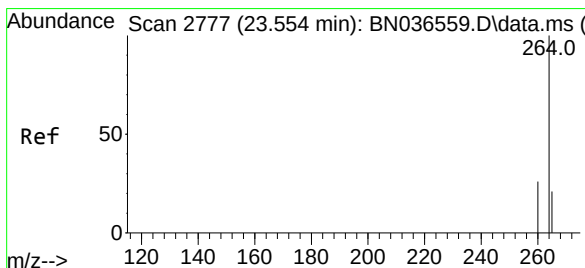
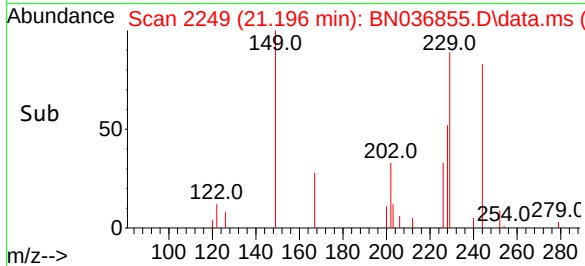
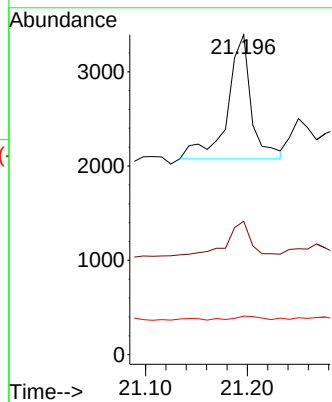
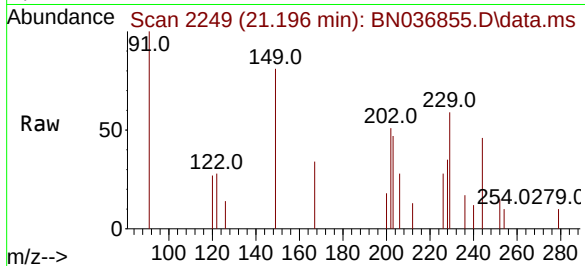




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.117 ng
RT: 21.196 min Scan# 2141
Delta R.T. 0.009 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

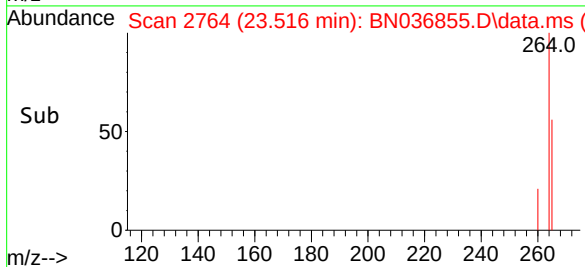
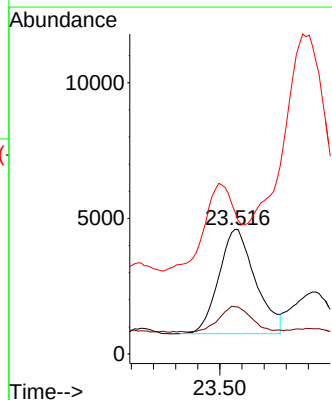
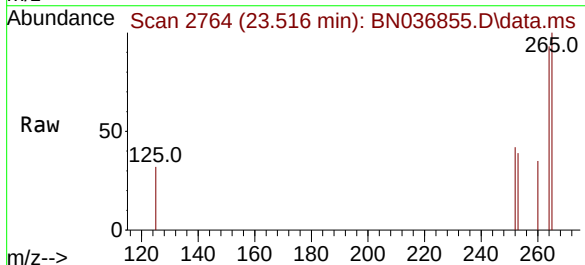
Instrument :
BNA_N
ClientSampleId :
GST1

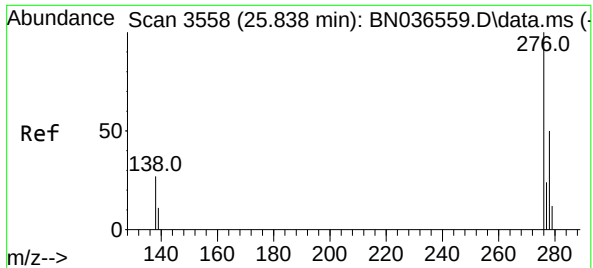
Tgt Ion:149 Resp: 2141
Ion Ratio Lower Upper
149 100
167 24.3 20.7 31.1
279 3.6 3.6 5.4#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.516 min Scan# 2764
Delta R.T. 0.006 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

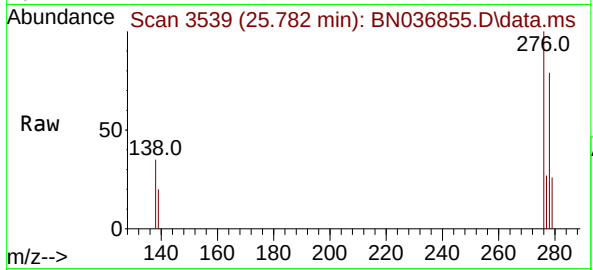
Tgt Ion:264 Resp: 8861
Ion Ratio Lower Upper
264 100
260 37.7 22.6 33.8#
265 107.2 88.1 132.1



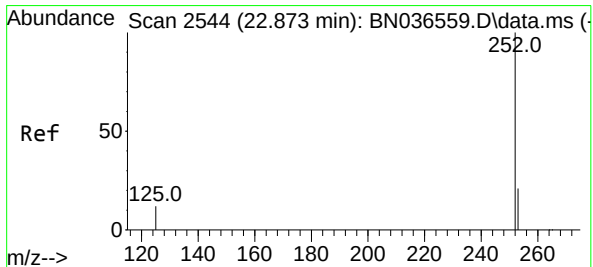
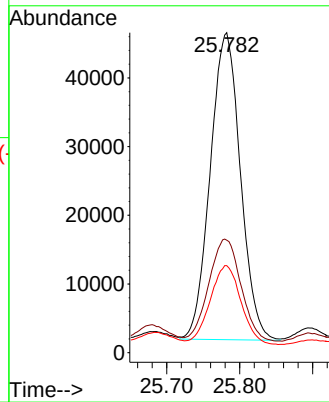
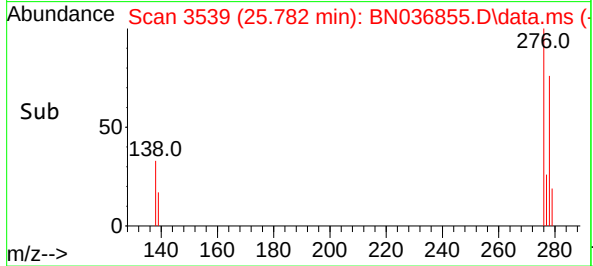


#36
Indeno(1,2,3-cd)pyrene
Concen: 4.014 ng
RT: 25.782 min Scan# 31
Delta R.T. 0.012 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Instrument :
BNA_N
ClientSampleId :
GST1

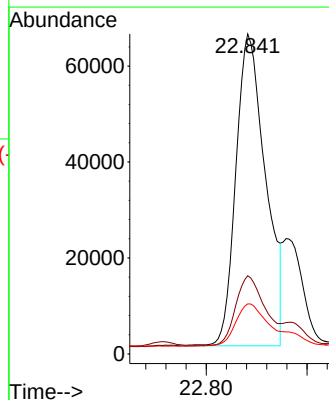
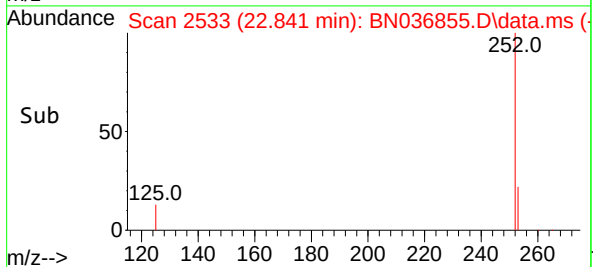
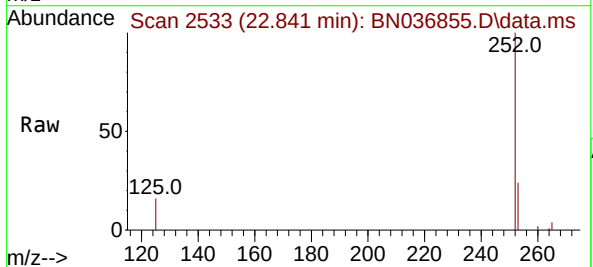


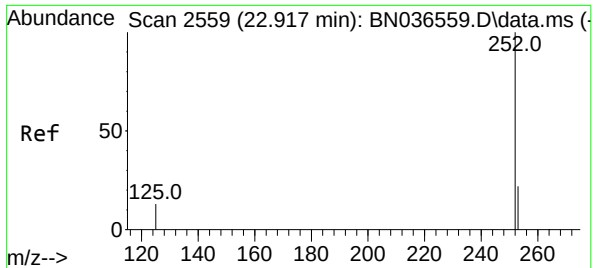
Tgt Ion:276 Resp: 128371
Ion Ratio Lower Upper
276 100
138 36.4 23.4 35.2#
277 26.4 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 4.115 ng
RT: 22.841 min Scan# 2533
Delta R.T. 0.003 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

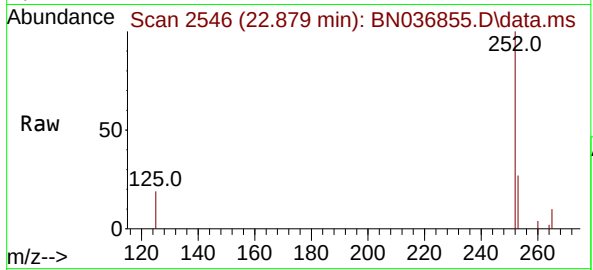
Tgt Ion:252 Resp: 132699
Ion Ratio Lower Upper
252 100
253 24.5 23.9 35.9
125 15.6 17.4 26.2#



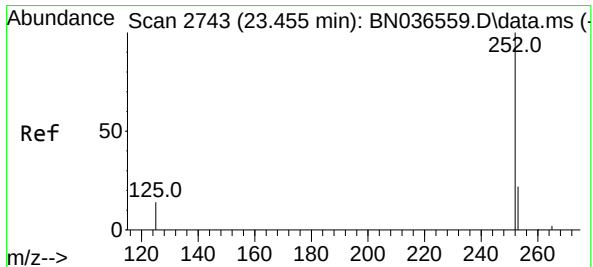
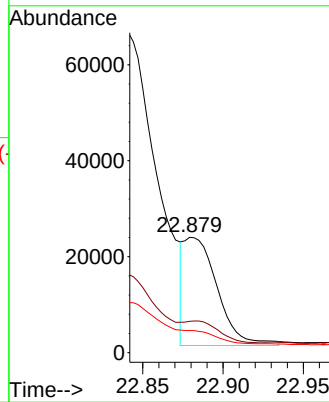
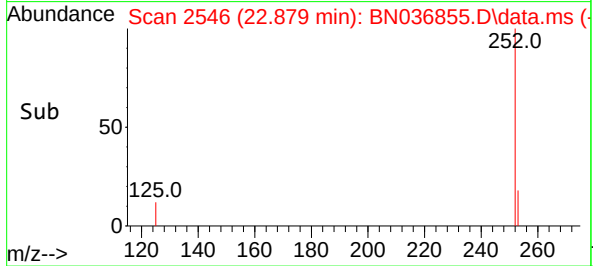


#38
Benzo(k)fluoranthene
Concen: 0.963 ng m
RT: 22.879 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Instrument :
BNA_N
ClientSampleId :
GST1

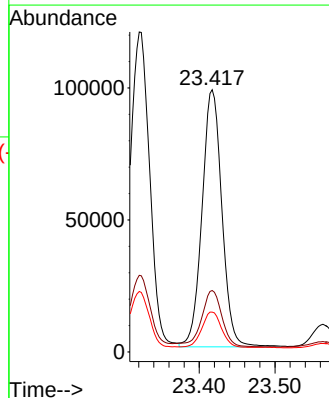
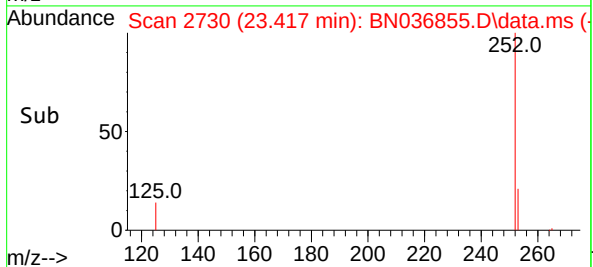
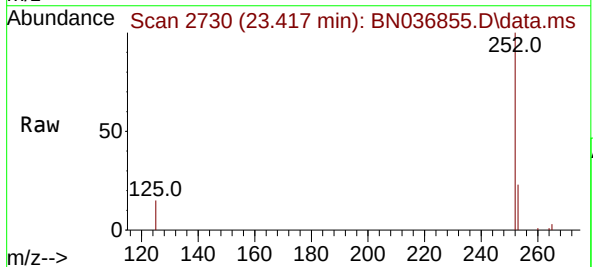


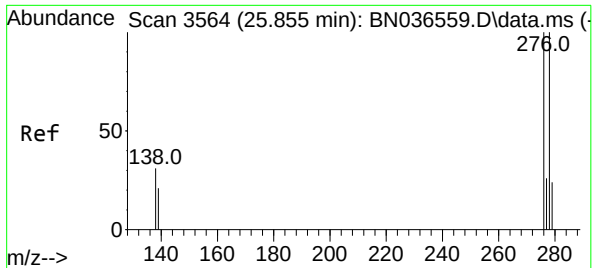
Tgt Ion:252 Resp: 32592
Ion Ratio Lower Upper
252 100
253 27.2 24.6 36.8
125 19.1 17.8 26.8



#39
Benzo(a)pyrene
Concen: 6.549 ng m
RT: 23.417 min Scan# 2730
Delta R.T. 0.006 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion:252 Resp: 177833
Ion Ratio Lower Upper
252 100
253 23.4 27.8 41.8#
125 15.2 22.7 34.1#

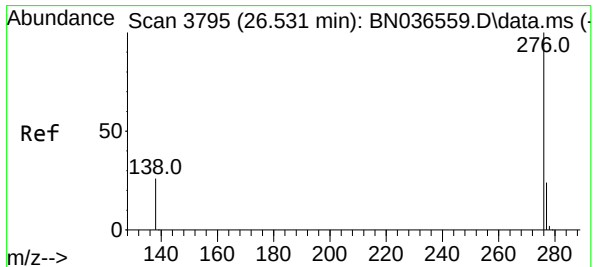
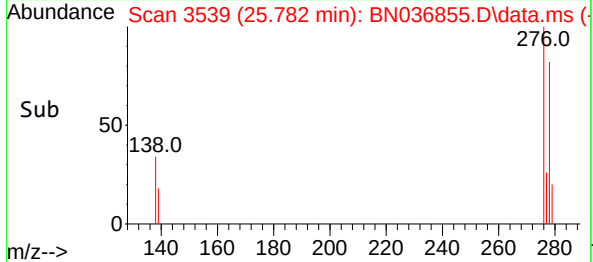
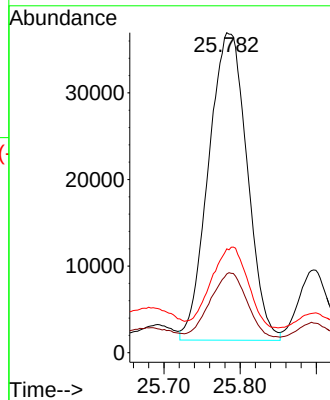
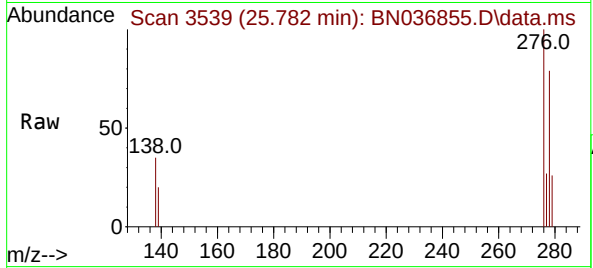




#40
Dibenzo(a,h)anthracene
Concen: 5.016 ng
RT: 25.782 min Scan# 31
Delta R.T. -0.009 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

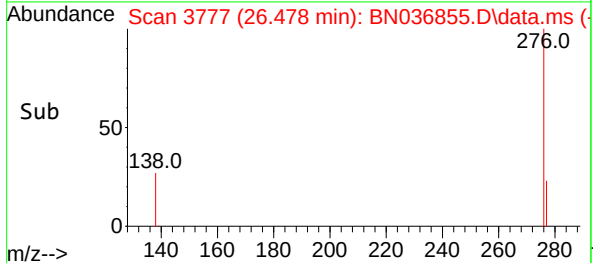
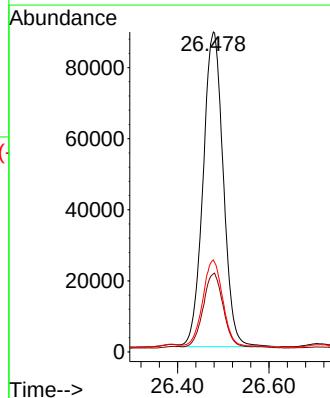
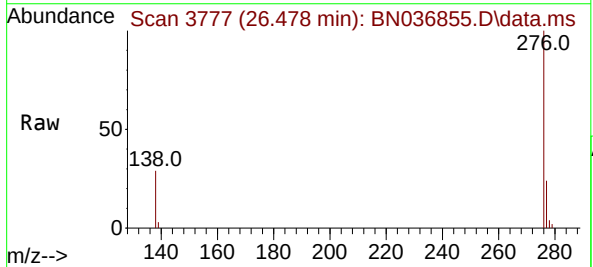
Instrument :
BNA_N
ClientSampleId :
GST1

Tgt Ion:278 Resp: 124897
Ion Ratio Lower Upper
278 100
139 24.6 20.8 31.2
279 32.4 28.8 43.2



#41
Benzo(g,h,i)perylene
Concen: 9.508 ng
RT: 26.478 min Scan# 3777
Delta R.T. 0.021 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion:276 Resp: 270825
Ion Ratio Lower Upper
276 100
277 24.4 22.2 33.4
138 28.8 24.1 36.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
Data File : BN036850.D
Acq On : 07 Apr 2025 13:06
Operator : RC/JU
Sample : Q1736-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GST2

Quant Time: Apr 07 14:06:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 04 17:30:43 2025
Response via : Initial Calibration

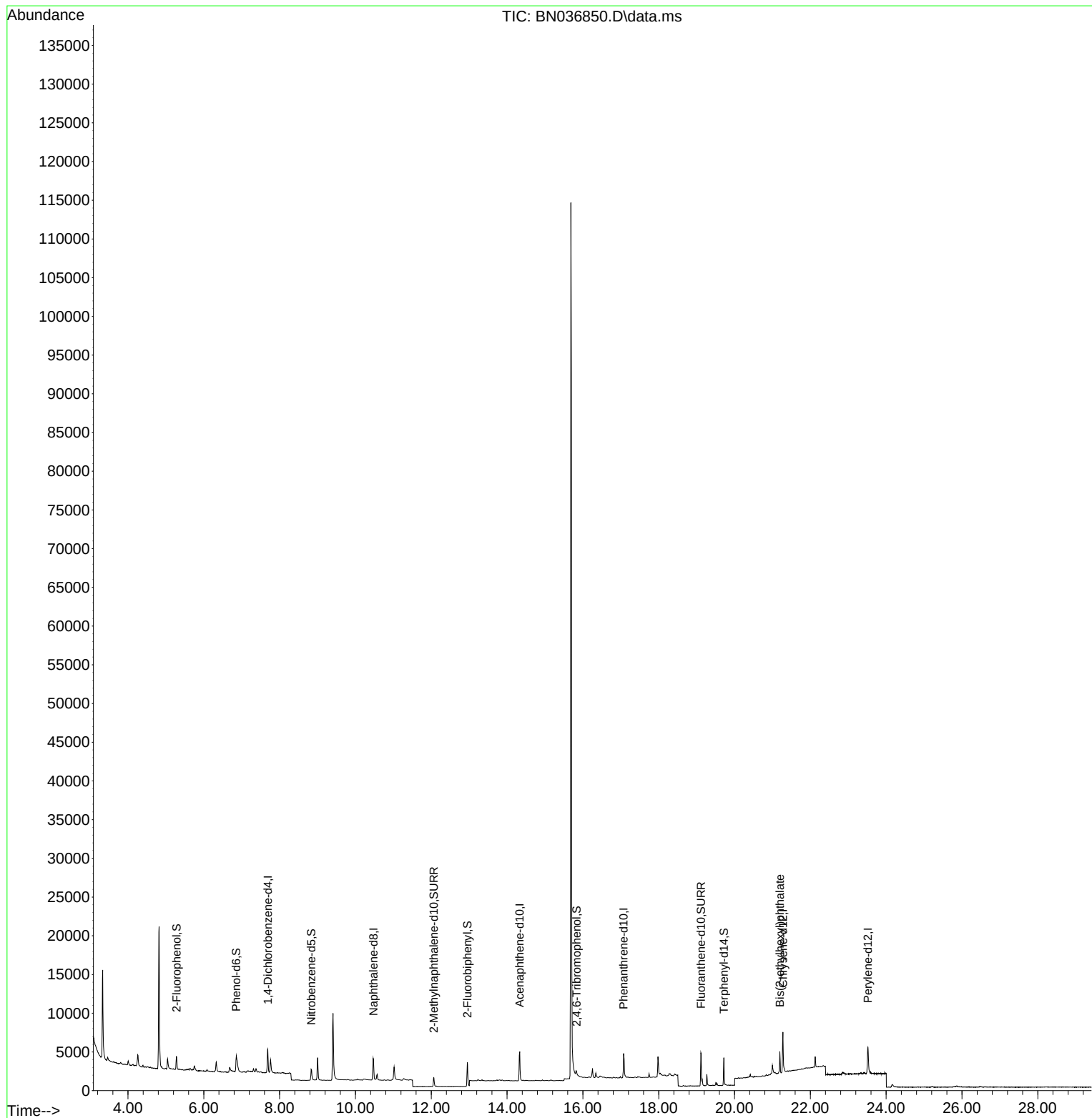
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.688	152	1541	0.400	ng	0.00
7) Naphthalene-d8	10.477	136	3985	0.400	ng	# 0.00
13) Acenaphthene-d10	14.334	164	2296	0.400	ng	0.00
19) Phenanthrene-d10	17.074	188	4940	0.400	ng	# 0.00
29) Chrysene-d12	21.277	240	4936	0.400	ng	# 0.00
35) Perylene-d12	23.519	264	4825	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	1311	0.365	ng	0.00
5) Phenol-d6	6.858	99	1696	0.382	ng	0.00
8) Nitrobenzene-d5	8.833	82	1266	0.292	ng	-0.01
11) 2-Methylnaphthalene-d10	12.065	152	1780	0.300	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	386	0.370	ng	0.00
15) 2-Fluorobiphenyl	12.953	172	4051	0.303	ng	0.00
27) Fluoranthene-d10	19.113	212	4788	0.378	ng	0.00
31) Terphenyl-d14	19.717	244	3416	0.289	ng	0.00
Target Compounds						
34) Bis(2-ethylhexyl)phtha...	21.196	149	2646	0.217	ng	# 99

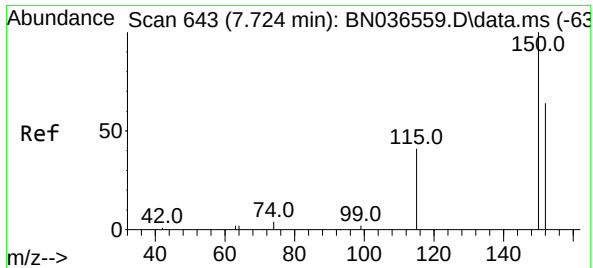
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
Data File : BN036850.D
Acq On : 07 Apr 2025 13:06
Operator : RC/JU
Sample : Q1736-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GST2

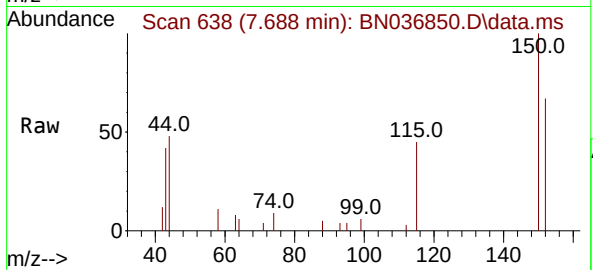
Quant Time: Apr 07 14:06:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 04 17:30:43 2025
Response via : Initial Calibration



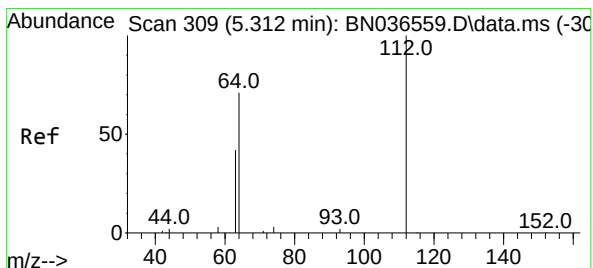
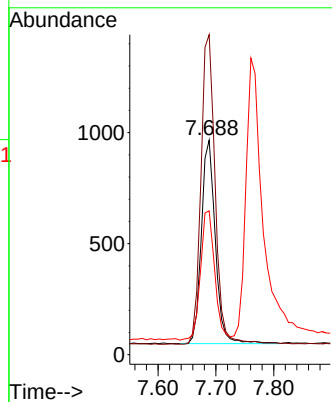
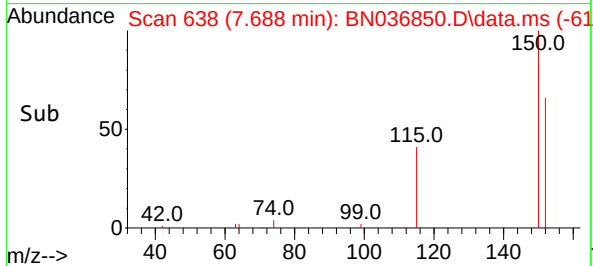


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.688 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

Instrument :
BNA_N
ClientSampleId :
GST2

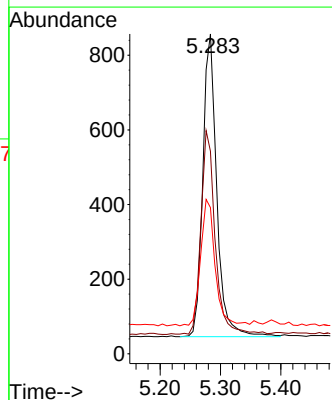
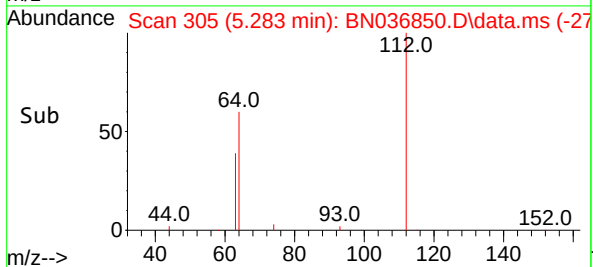
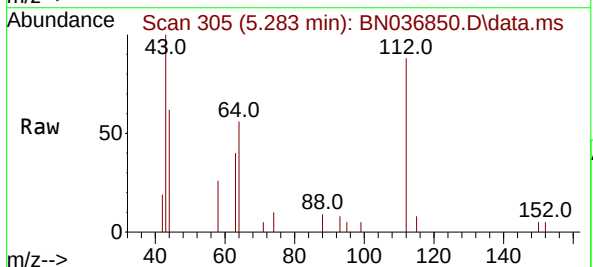


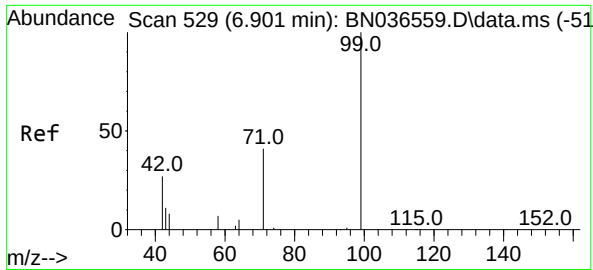
Tgt Ion:152 Resp: 1541
Ion Ratio Lower Upper
152 100
150 149.2 123.7 185.5
115 67.1 54.3 81.5



#4
2-Fluorophenol
Concen: 0.365 ng
RT: 5.283 min Scan# 305
Delta R.T. -0.000 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

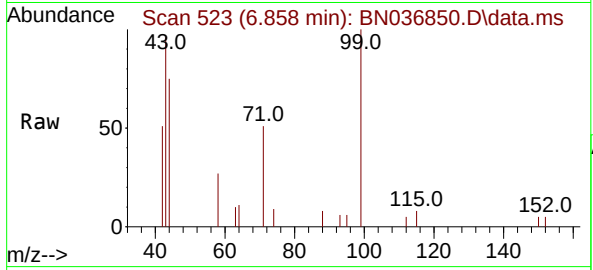
Tgt Ion:112 Resp: 1311
Ion Ratio Lower Upper
112 100
64 68.7 53.1 79.7
63 43.0 31.8 47.8



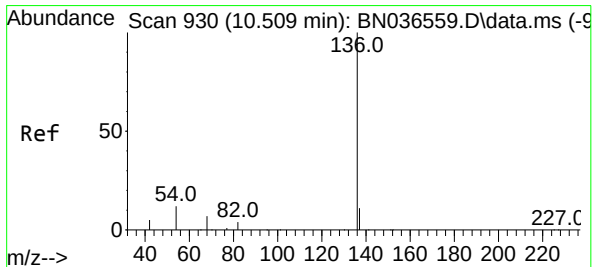
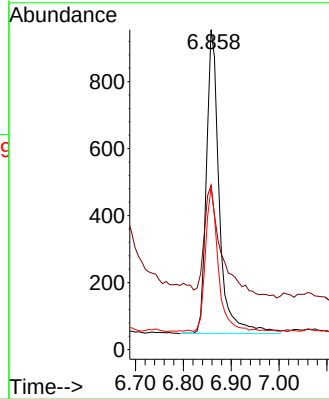
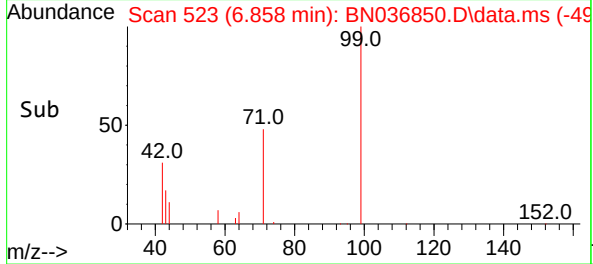


#5
Phenol-d6
Concen: 0.382 ng
RT: 6.858 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

Instrument :
BNA_N
ClientSampleId :
GST2

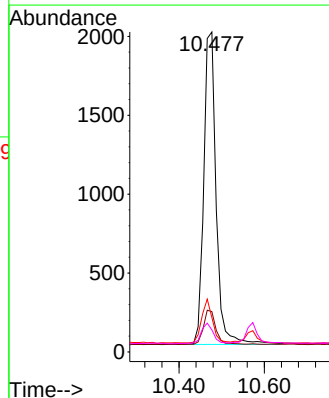
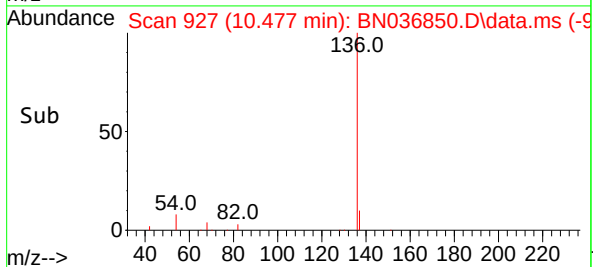
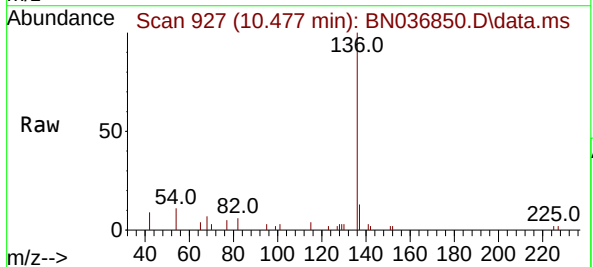


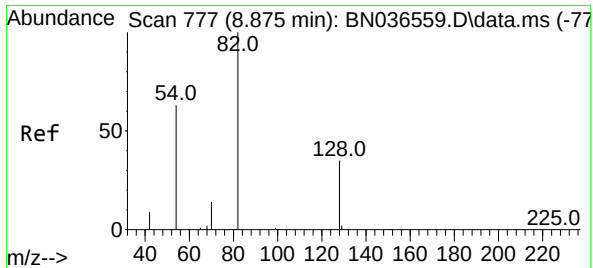
Tgt Ion: 99 Resp: 1696
Ion Ratio Lower Upper
99 100
42 51.4 26.5 39.7#
71 48.2 34.1 51.1



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.477 min Scan# 927
Delta R.T. 0.000 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

Tgt Ion: 136 Resp: 3985
Ion Ratio Lower Upper
136 100
137 12.6 10.3 15.5
54 10.7 11.5 17.3#
68 6.9 7.0 10.4#

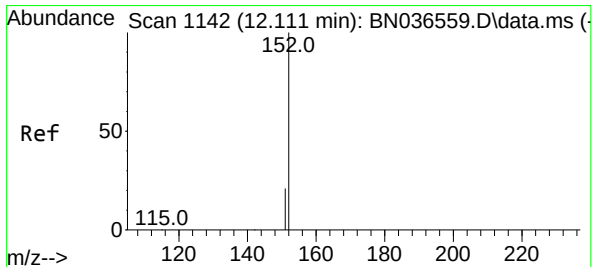
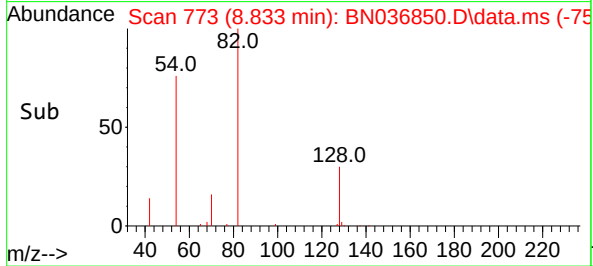
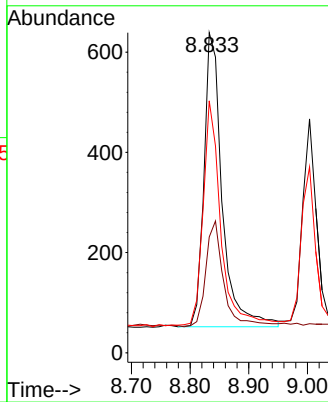
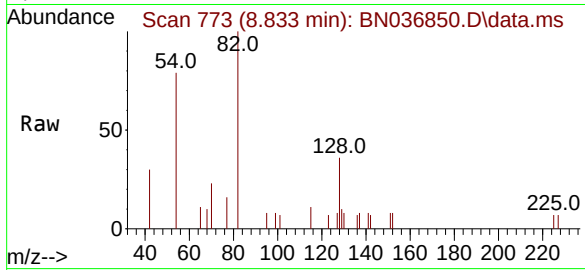




#8
Nitrobenzene-d5
Concen: 0.292 ng
RT: 8.833 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

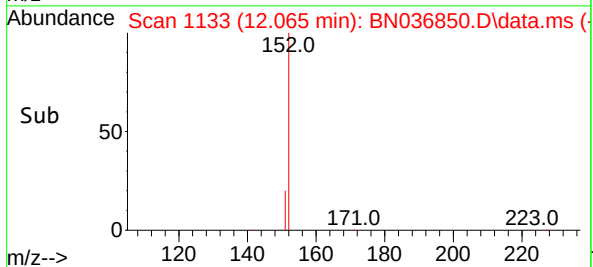
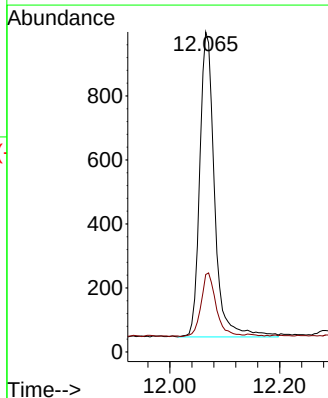
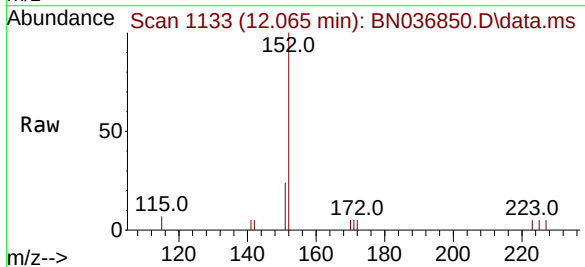
Instrument :
BNA_N
ClientSampleId :
GST2

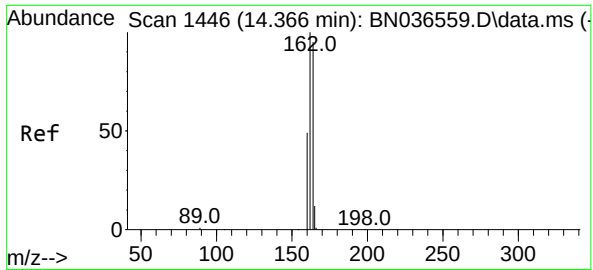
Tgt Ion: 82 Resp: 1266
Ion Ratio Lower Upper
82 100
128 36.2 30.6 45.8
54 78.7 52.2 78.4#



#11
2-Methylnaphthalene-d10
Concen: 0.300 ng
RT: 12.065 min Scan# 1133
Delta R.T. -0.005 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

Tgt Ion: 152 Resp: 1780
Ion Ratio Lower Upper
152 100
151 21.3 17.0 25.6

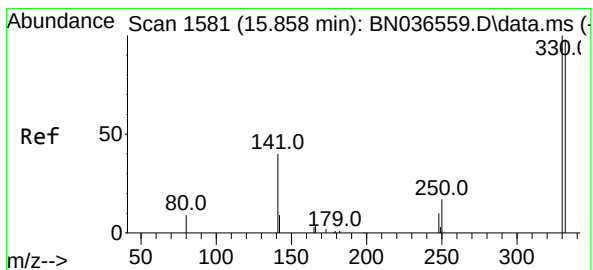
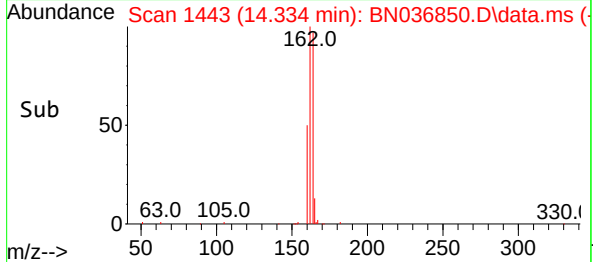
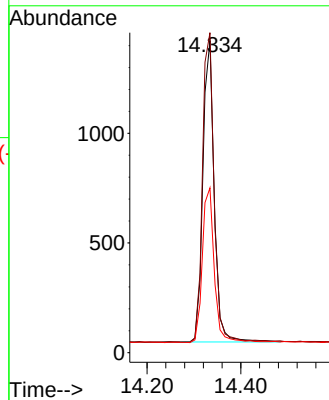
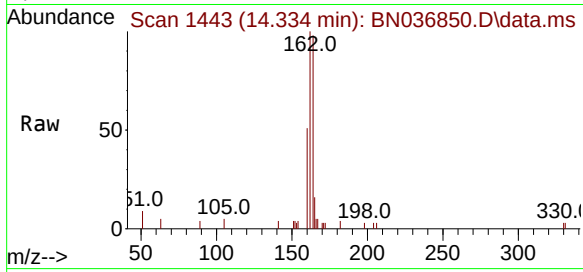




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

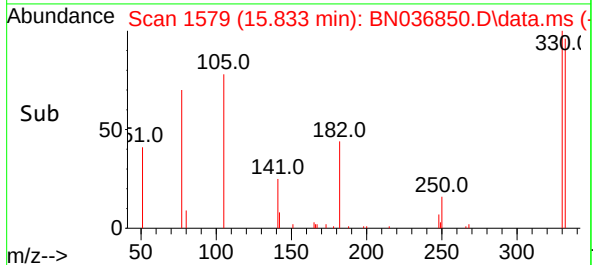
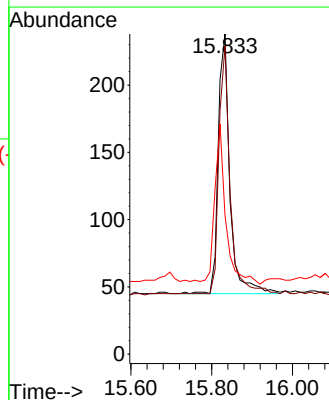
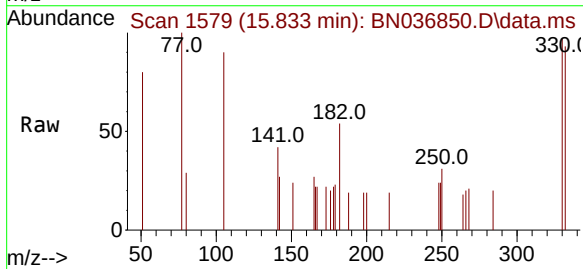
Instrument :
BNA_N
ClientSampleId :
GST2

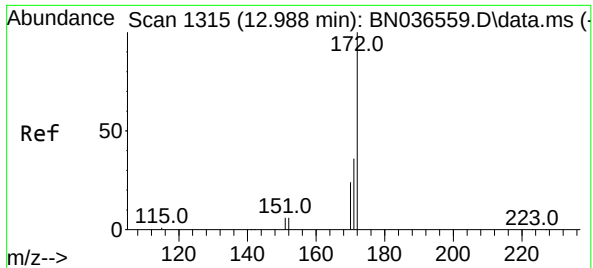
Tgt Ion:164 Resp: 2296
Ion Ratio Lower Upper
164 100
162 102.5 84.2 126.2
160 52.8 42.2 63.2



#14
2,4,6-Tribromophenol
Concen: 0.370 ng
RT: 15.833 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

Tgt Ion:330 Resp: 386
Ion Ratio Lower Upper
330 100
332 91.2 75.2 112.8
141 58.8 43.4 65.2

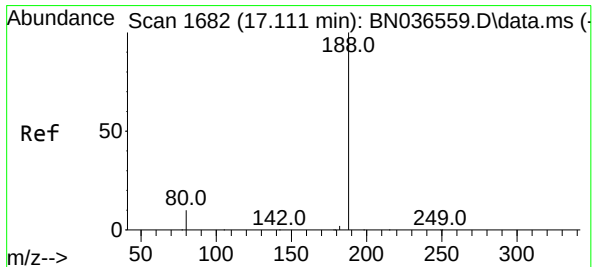
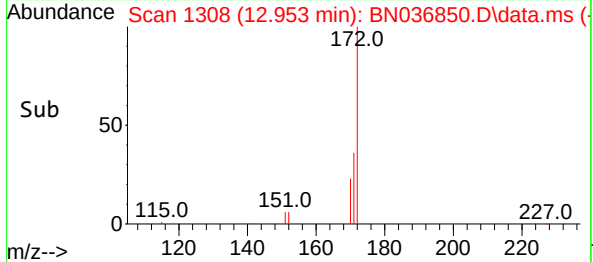
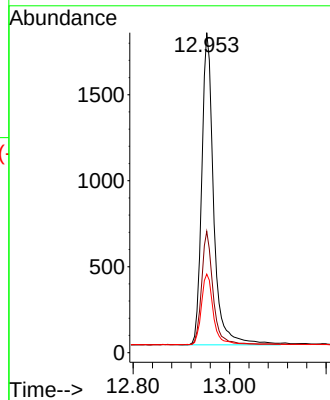
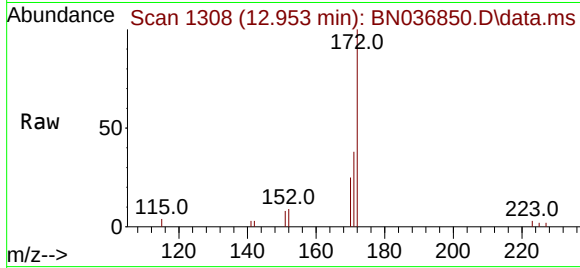




#15
2-Fluorobiphenyl
Concen: 0.303 ng
RT: 12.953 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

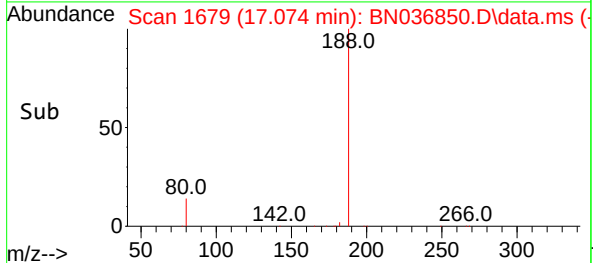
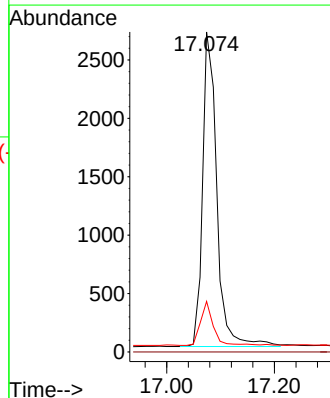
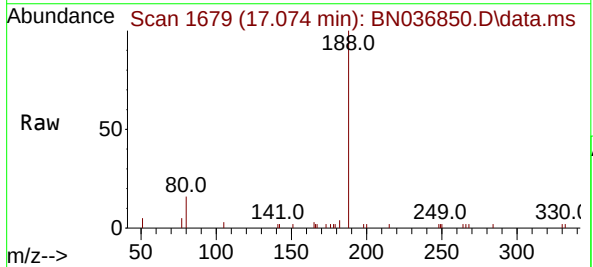
Instrument :
BNA_N
ClientSampleId :
GST2

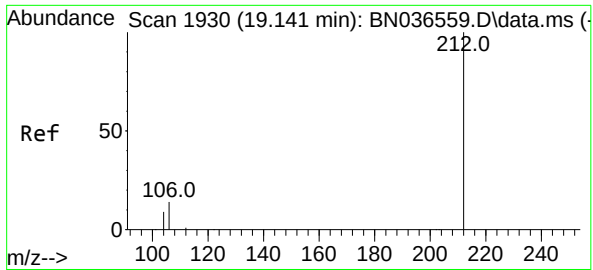
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.5	44.3
170	24.6	20.2	30.4



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.074 min Scan# 1679
Delta R.T. -0.000 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

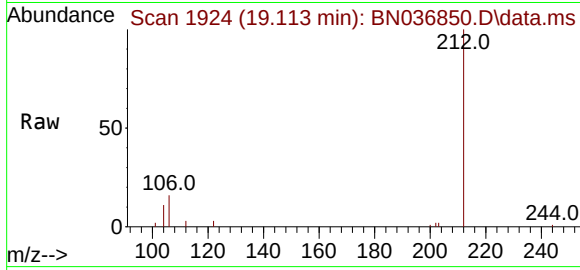
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.8	8.8	13.2



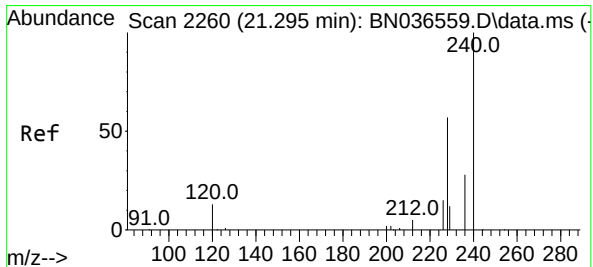
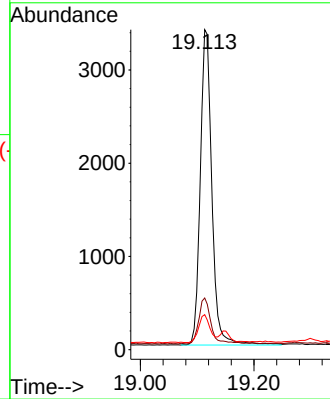
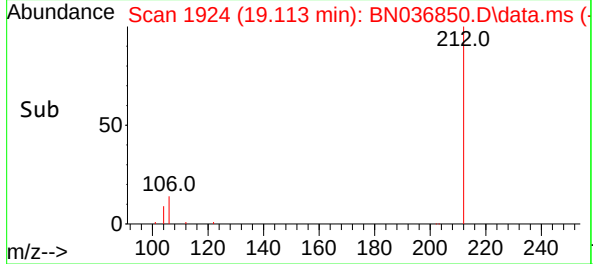


#27
Fluoranthene-d10
Concen: 0.378 ng
RT: 19.113 min Scan# 1911
Delta R.T. -0.000 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

Instrument :
BNA_N
ClientSampleId :
GST2

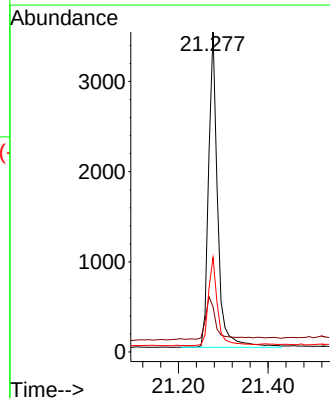
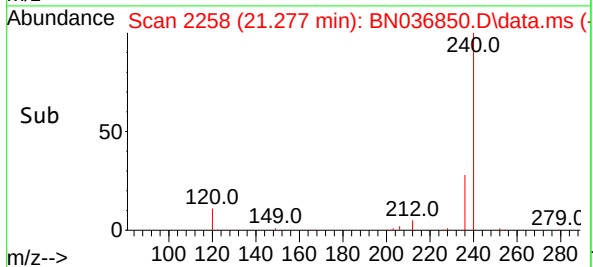
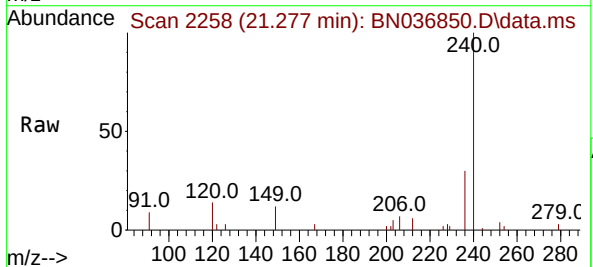


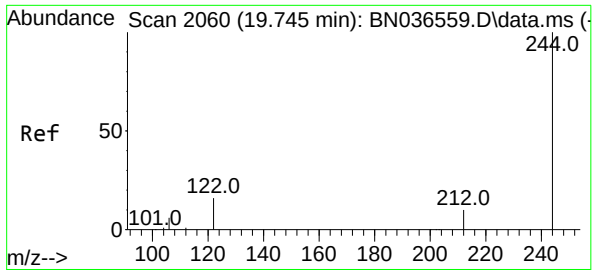
Tgt Ion:212 Resp: 4788
Ion Ratio Lower Upper
212 100
106 15.2 11.8 17.6
104 8.5 7.3 10.9



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.277 min Scan# 2258
Delta R.T. 0.009 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

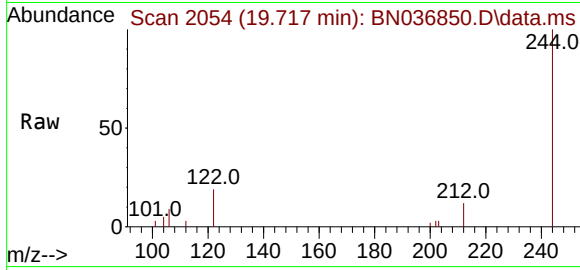
Tgt Ion:240 Resp: 4936
Ion Ratio Lower Upper
240 100
120 14.1 14.6 22.0#
236 29.5 24.1 36.1



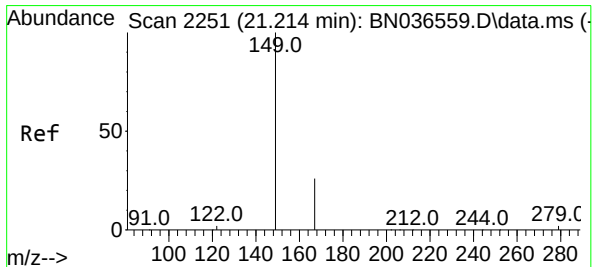
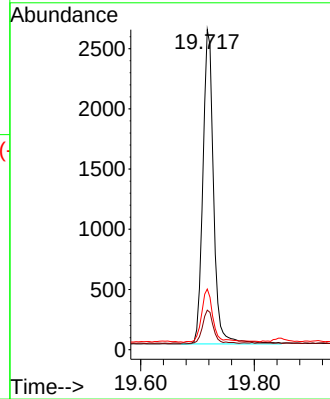
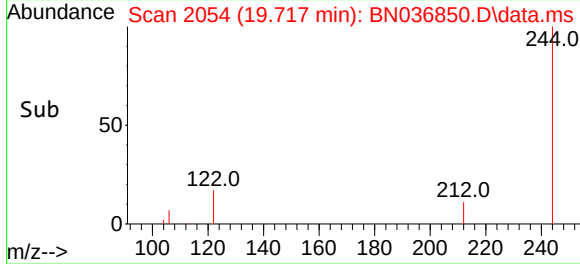


#31
Terphenyl-d14
Concen: 0.289 ng
RT: 19.717 min Scan# 2060
Delta R.T. -0.000 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

Instrument :
BNA_N
ClientSampleId :
GST2

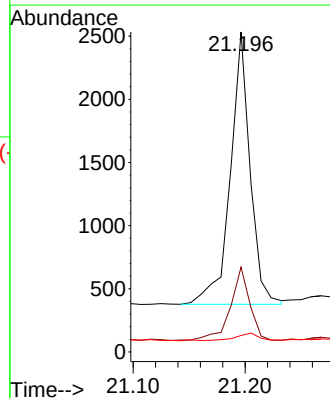
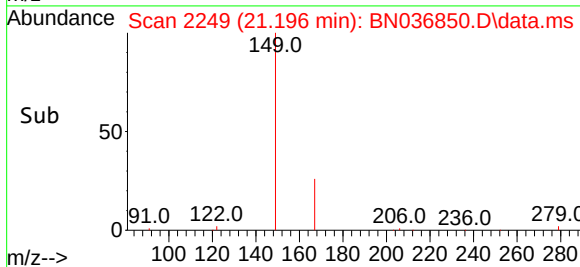
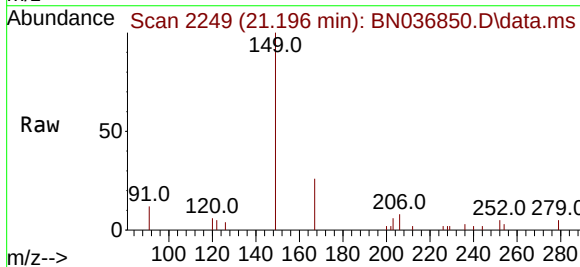


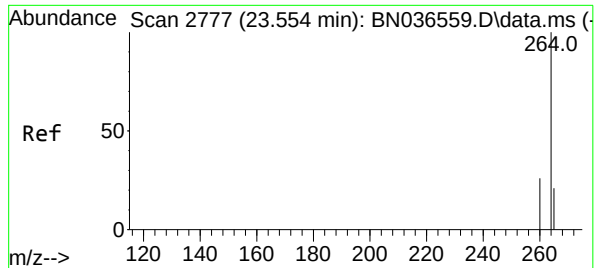
Tgt Ion:244 Resp: 3416
Ion Ratio Lower Upper
244 100
212 12.3 9.6 14.4
122 19.0 13.9 20.9



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.217 ng
RT: 21.196 min Scan# 2249
Delta R.T. 0.009 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

Tgt Ion:149 Resp: 2646
Ion Ratio Lower Upper
149 100
167 26.0 20.7 31.1
279 3.4 3.6 5.4#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.519 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN036850.D

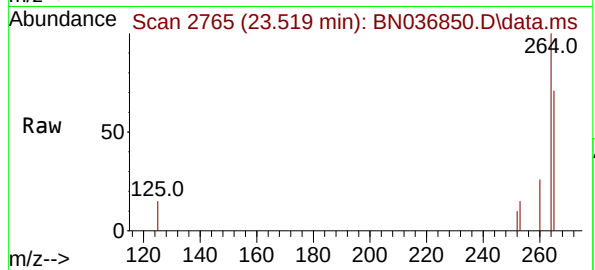
Acq: 07 Apr 2025 13:06

Instrument :

BNA_N

ClientSampleId :

GST2



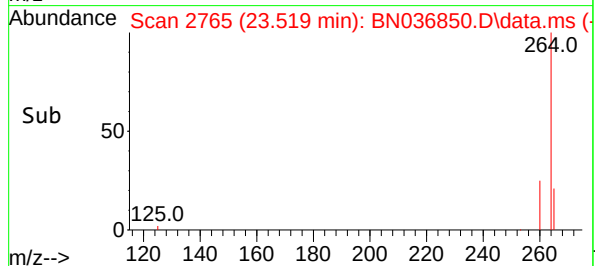
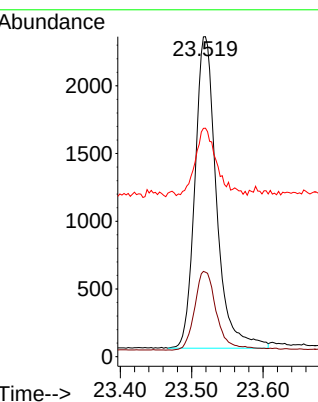
Tgt Ion:264 Resp: 4825

Ion Ratio Lower Upper

264 100

260 26.4 22.6 33.8

265 71.4 88.1 132.1#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
Data File : BN036854.D
Acq On : 07 Apr 2025 15:30
Operator : RC/JU
Sample : PB167475BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB167475BL

Quant Time: Apr 07 16:29:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 04 17:30:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.695	152	1861	0.400	ng	0.00
7) Naphthalene-d8	10.487	136	4270	0.400	ng	0.01
13) Acenaphthene-d10	14.345	164	2449	0.400	ng	0.01
19) Phenanthrene-d10	17.099	188	4708	0.400	ng	# 0.02
29) Chrysene-d12	21.286	240	4003	0.400	ng	0.02
35) Perylene-d12	23.522	264	3652	0.400	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	1829	0.422	ng	0.00
5) Phenol-d6	6.872	99	1933	0.361	ng	0.00
8) Nitrobenzene-d5	8.854	82	1419	0.305	ng	0.01
11) 2-Methylnaphthalene-d10	12.096	152	2081	0.328	ng	0.03
14) 2,4,6-Tribromophenol	15.858	330	270	0.243	ng	0.02
15) 2-Fluorobiphenyl	12.983	172	3708	0.260	ng	0.03
27) Fluoranthene-d10	19.122	212	4981	0.413	ng	0.00
31) Terphenyl-d14	19.726	244	3383	0.353	ng	0.00

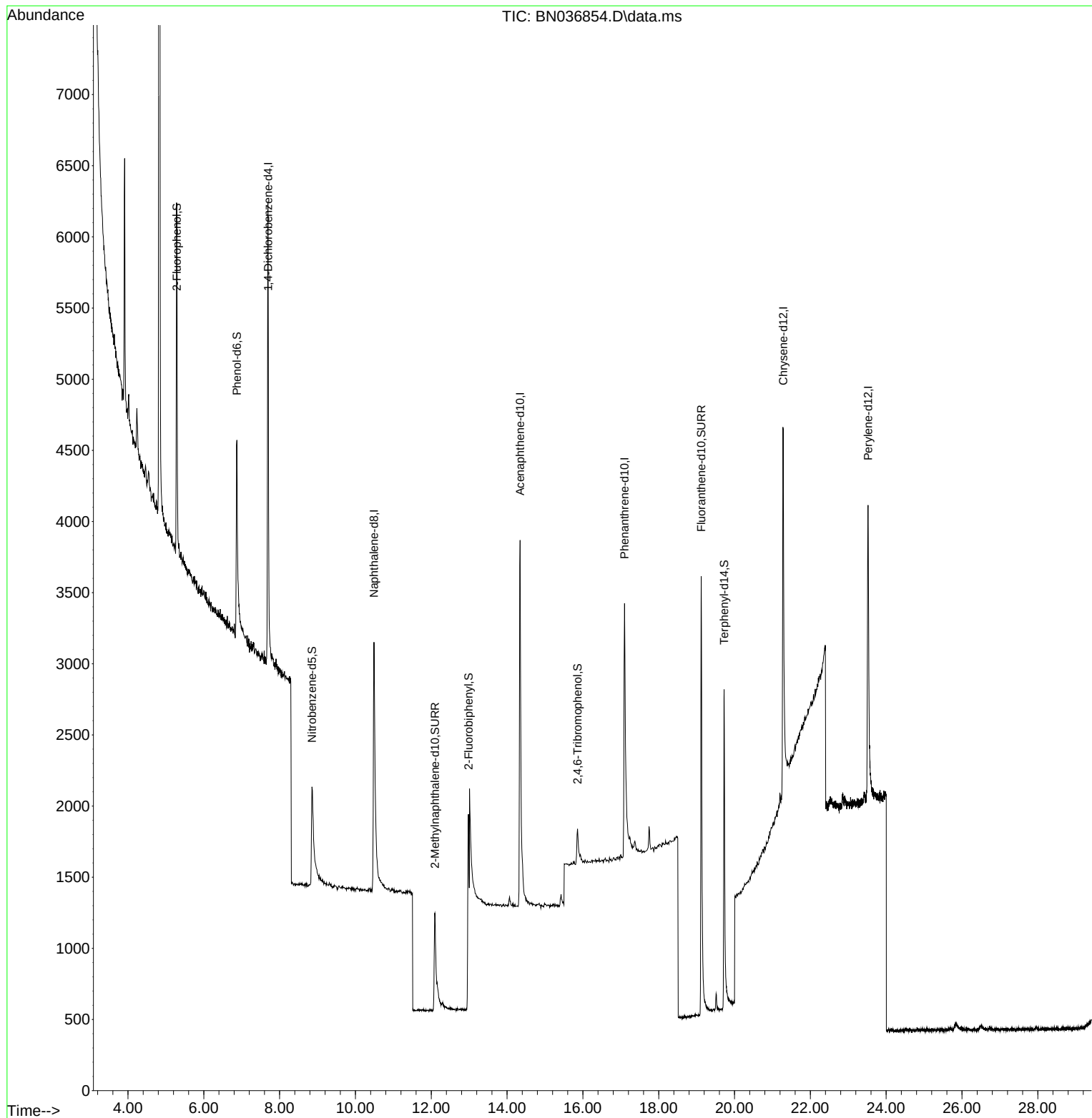
Target Compounds Qvalue

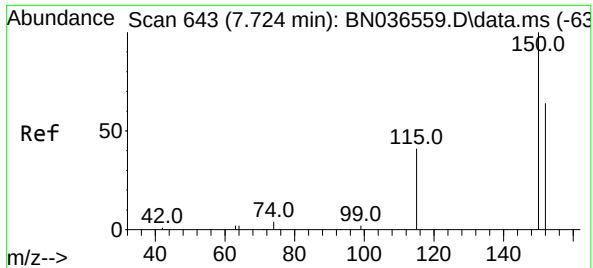
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
Data File : BN036854.D
Acq On : 07 Apr 2025 15:30
Operator : RC/JU
Sample : PB167475BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB167475BL

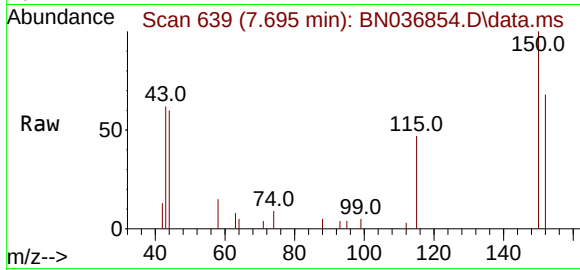
Quant Time: Apr 07 16:29:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 04 17:30:43 2025
Response via : Initial Calibration



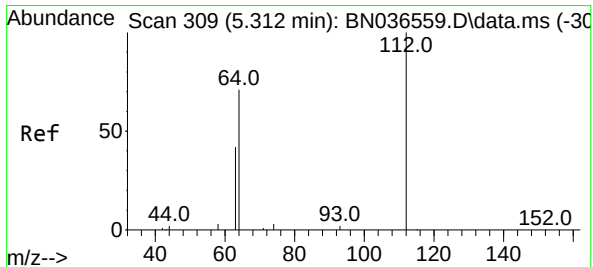
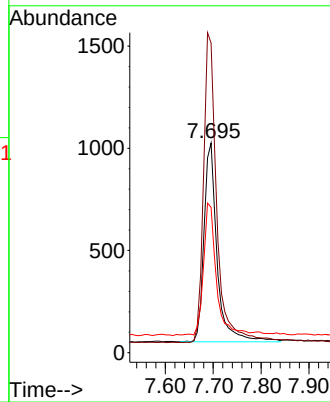
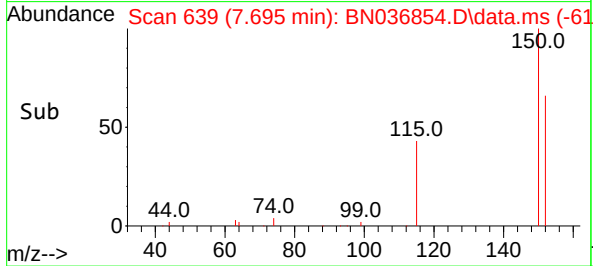


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.695 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

Instrument :
BNA_N
ClientSampleId :
PB167475BL

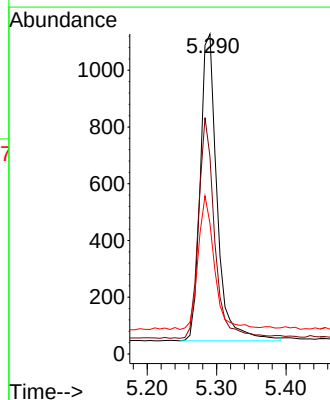
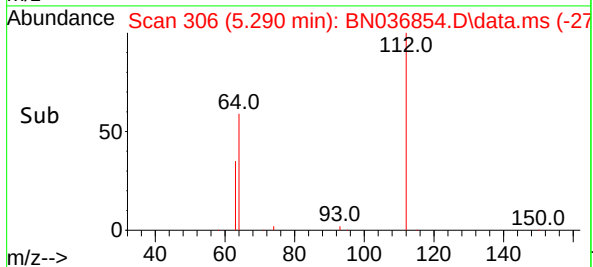
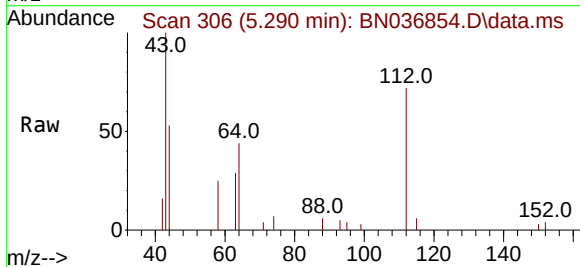


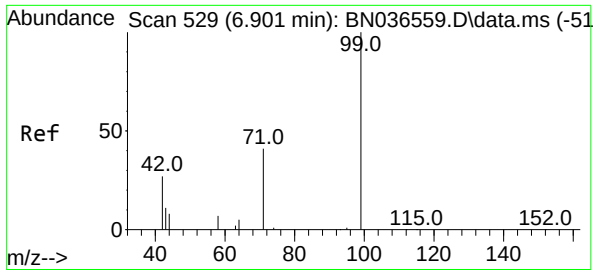
Tgt Ion:152 Resp: 1861
Ion Ratio Lower Upper
152 100
150 147.7 123.7 185.5
115 69.3 54.3 81.5



#4
2-Fluorophenol
Concen: 0.422 ng
RT: 5.290 min Scan# 306
Delta R.T. 0.007 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

Tgt Ion:112 Resp: 1829
Ion Ratio Lower Upper
112 100
64 68.8 53.1 79.7
63 42.2 31.8 47.8

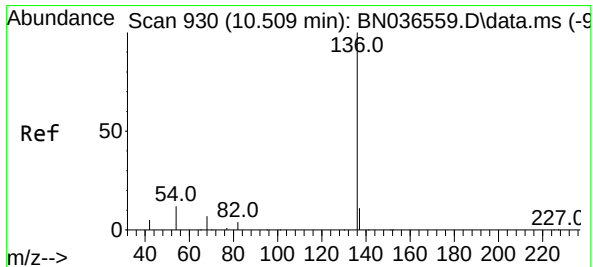
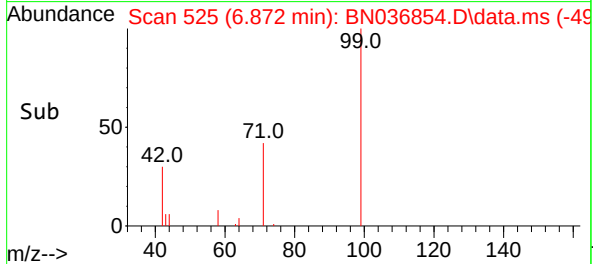
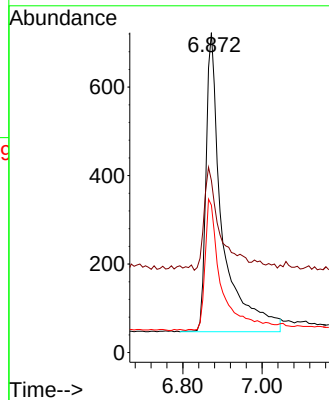
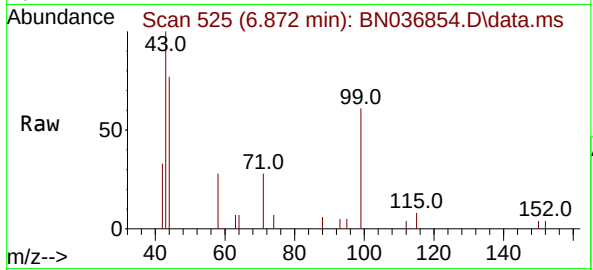




#5
Phenol-d6
Concen: 0.361 ng
RT: 6.872 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

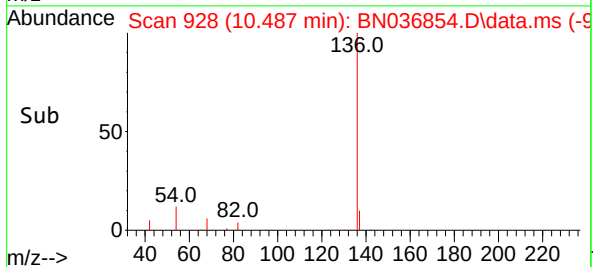
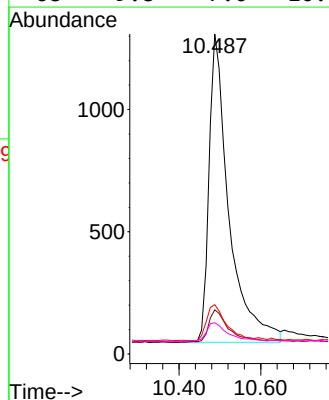
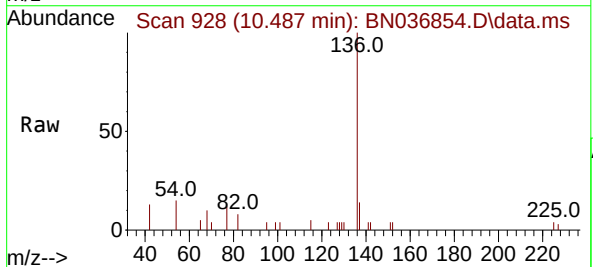
Instrument :
BNA_N
ClientSampleId :
PB167475BL

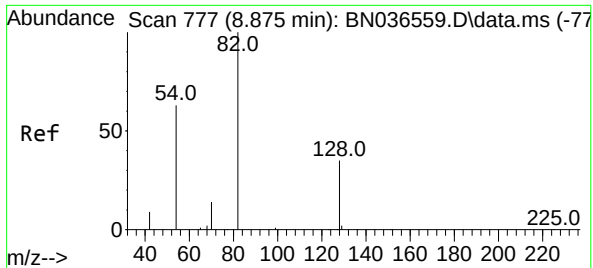
Tgt Ion: 99 Resp: 1933
Ion Ratio Lower Upper
99 100
42 33.3 26.5 39.7
71 43.7 34.1 51.1



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.487 min Scan# 928
Delta R.T. 0.011 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

Tgt Ion: 136 Resp: 4270
Ion Ratio Lower Upper
136 100
137 13.8 10.3 15.5
54 15.4 11.5 17.3
68 9.8 7.0 10.4

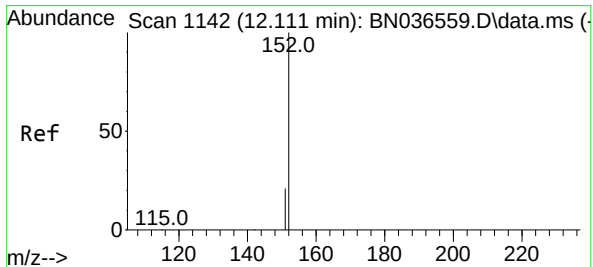
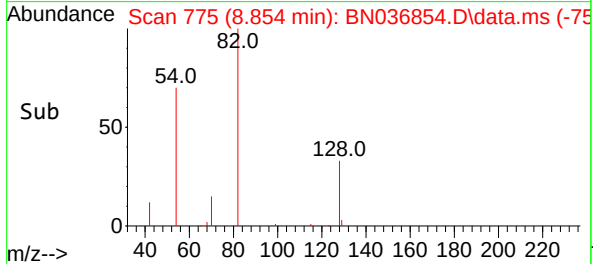
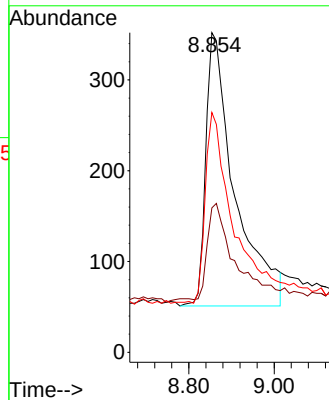
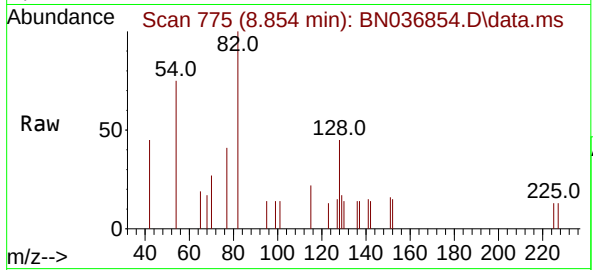




#8
Nitrobenzene-d5
Concen: 0.305 ng
RT: 8.854 min Scan# 71
Delta R.T. 0.011 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

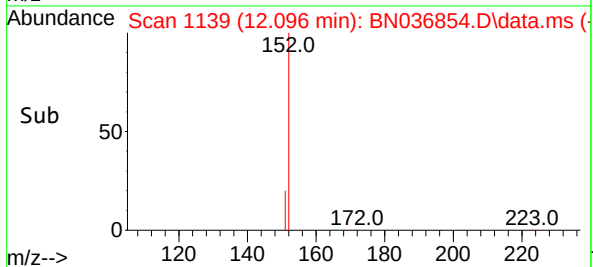
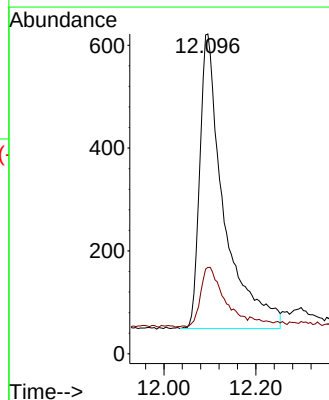
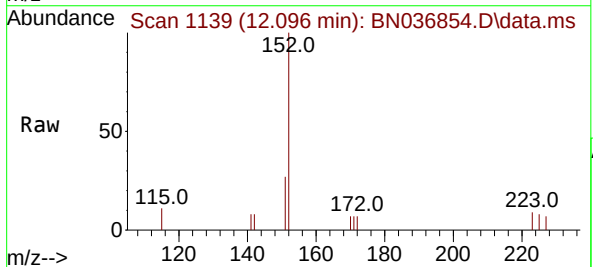
Instrument :
BNA_N
ClientSampleId :
PB167475BL

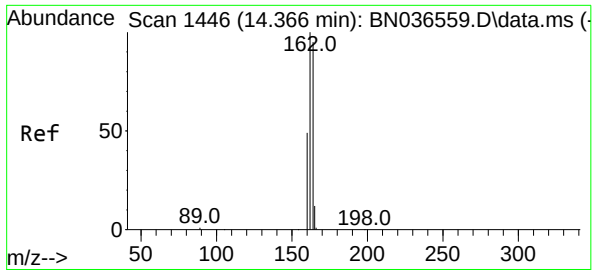
Tgt Ion: 82 Resp: 1419
Ion Ratio Lower Upper
82 100
128 45.2 30.6 45.8
54 75.0 52.2 78.4



#11
2-Methylnaphthalene-d10
Concen: 0.328 ng
RT: 12.096 min Scan# 1139
Delta R.T. 0.025 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

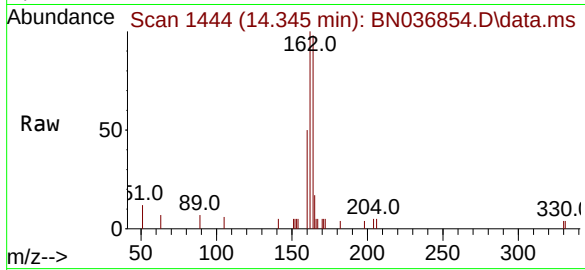
Tgt Ion: 152 Resp: 2081
Ion Ratio Lower Upper
152 100
151 19.9 17.0 25.6



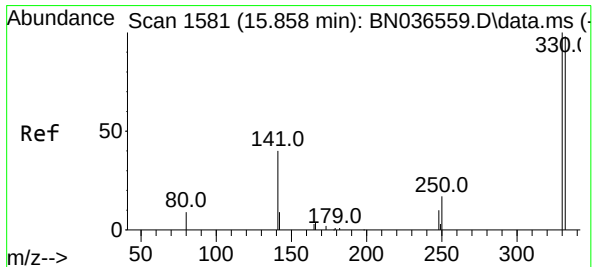
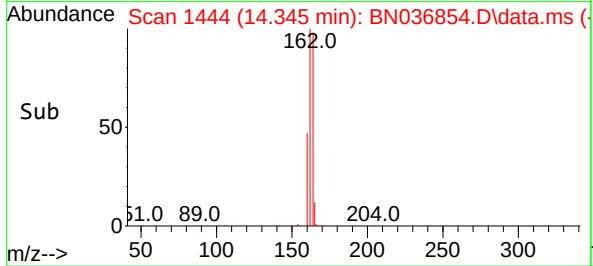
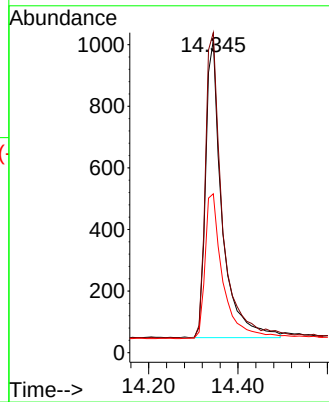


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.011 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

Instrument :
BNA_N
ClientSampleId :
PB167475BL

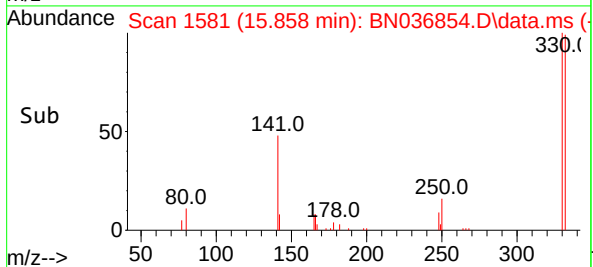
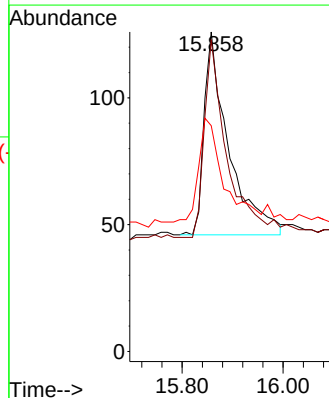
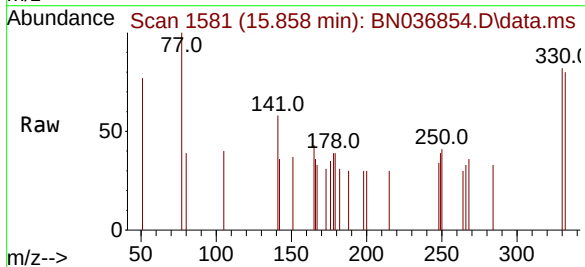


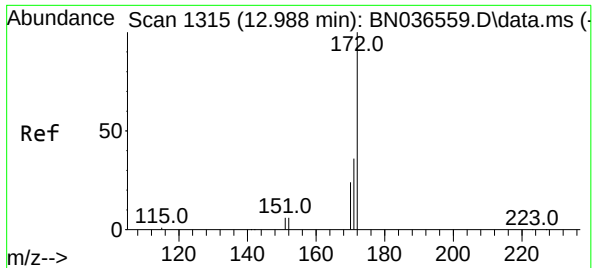
Tgt Ion:164 Resp: 2449
Ion Ratio Lower Upper
164 100
162 102.4 84.2 126.2
160 50.8 42.2 63.2



#14
2,4,6-Tribromophenol
Concen: 0.243 ng
RT: 15.858 min Scan# 1581
Delta R.T. 0.025 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

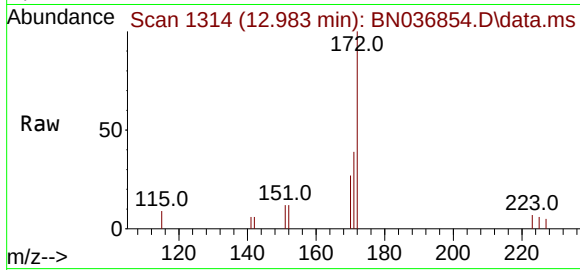
Tgt Ion:330 Resp: 270
Ion Ratio Lower Upper
330 100
332 91.9 75.2 112.8
141 51.9 43.4 65.2



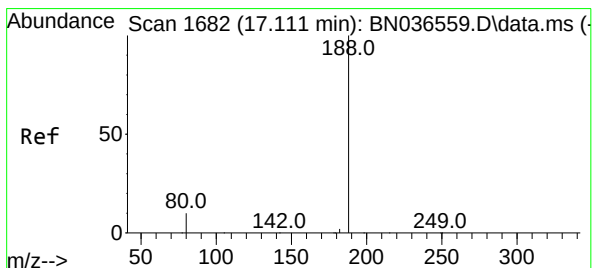
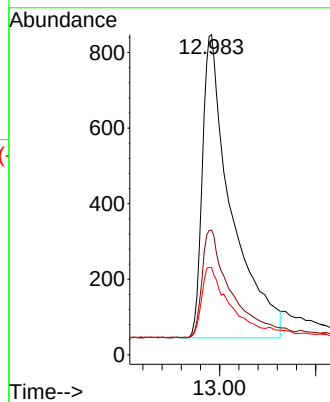
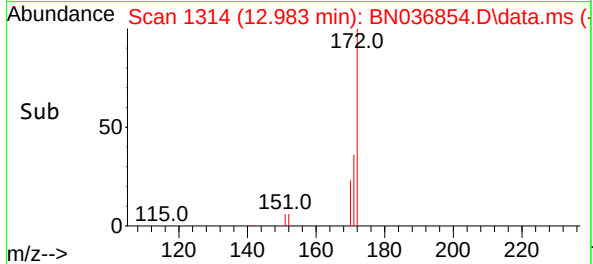


#15
2-Fluorobiphenyl
Concen: 0.260 ng
RT: 12.983 min Scan# 11
Delta R.T. 0.025 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

Instrument :
BNA_N
ClientSampleId :
PB167475BL

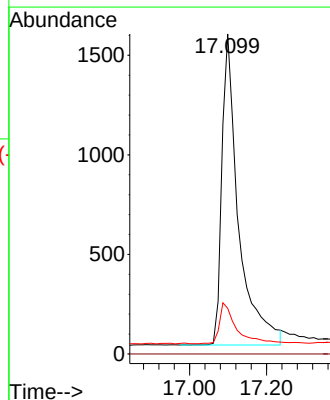
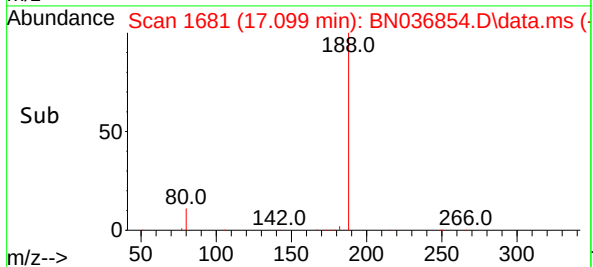
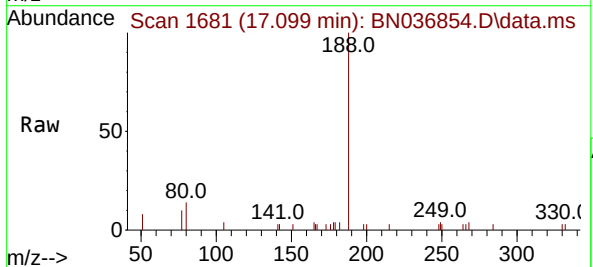


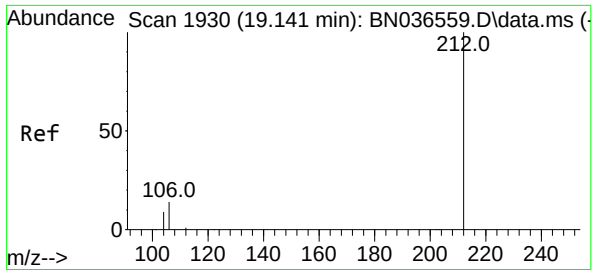
Tgt Ion:172 Resp: 3708
Ion Ratio Lower Upper
172 100
171 39.0 29.5 44.3
170 27.3 20.2 30.4



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.099 min Scan# 1681
Delta R.T. 0.025 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

Tgt Ion:188 Resp: 4708
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.3 8.8 13.2#

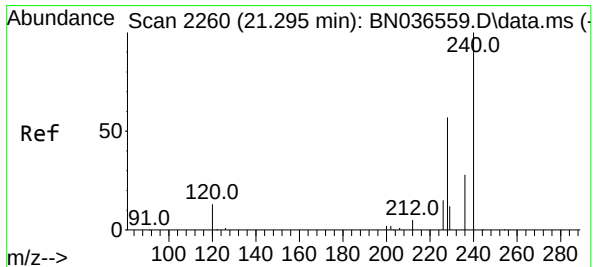
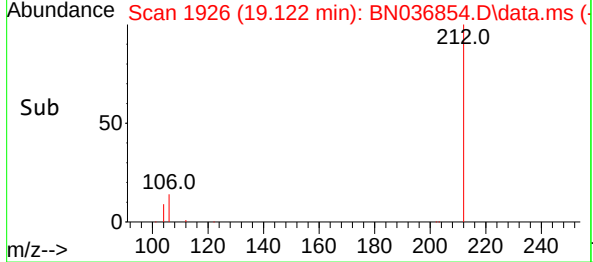
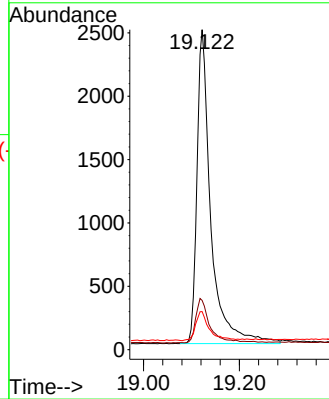
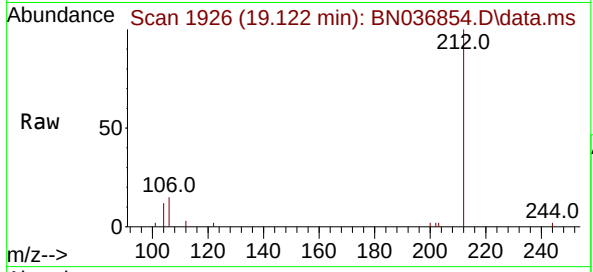




#27
Fluoranthene-d10
Concen: 0.413 ng
RT: 19.122 min Scan# 1930
Delta R.T. 0.009 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

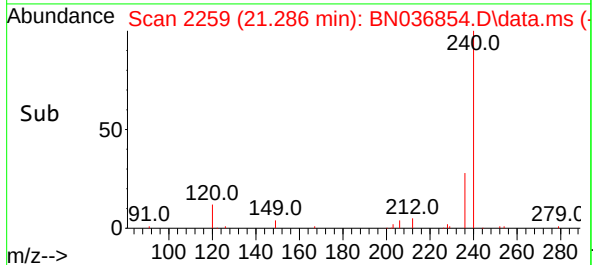
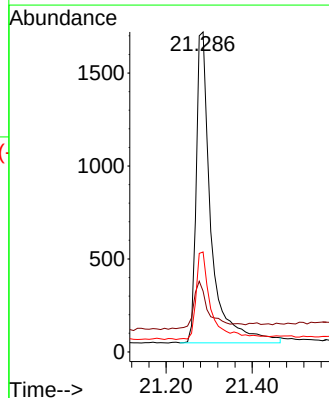
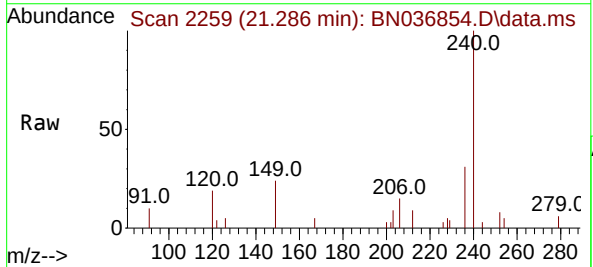
Instrument :
BNA_N
ClientSampleId :
PB167475BL

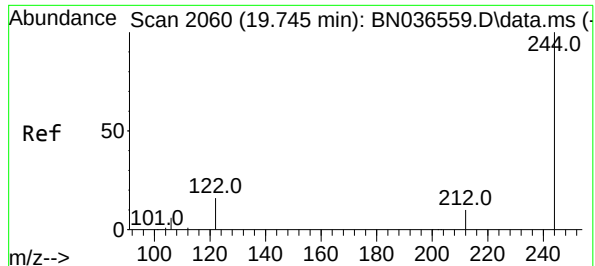
Tgt Ion	Ratio	Lower	Upper
212	100		
106	14.1	11.8	17.6
104	9.2	7.3	10.9



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.286 min Scan# 2259
Delta R.T. 0.018 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

Tgt Ion	Ratio	Lower	Upper
240	100		
120	19.0	14.6	22.0
236	31.3	24.1	36.1





#31

Terphenyl-d14

Concen: 0.353 ng

RT: 19.726 min Scan# 2056

Delta R.T. 0.009 min

Lab File: BN036854.D

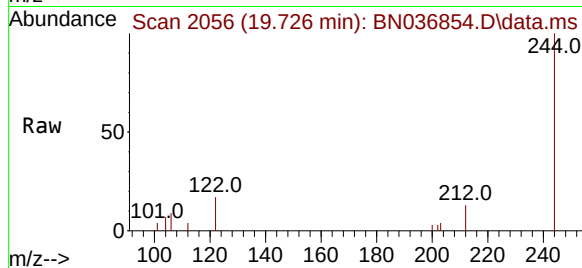
Acq: 07 Apr 2025 15:30

Instrument :

BNA_N

ClientSampleId :

PB167475BL



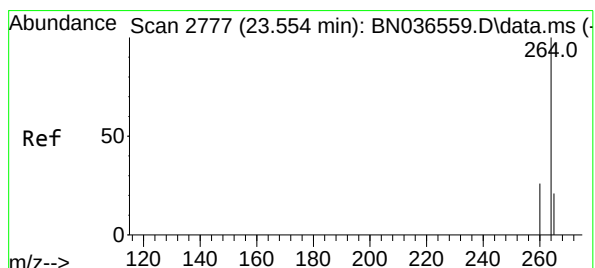
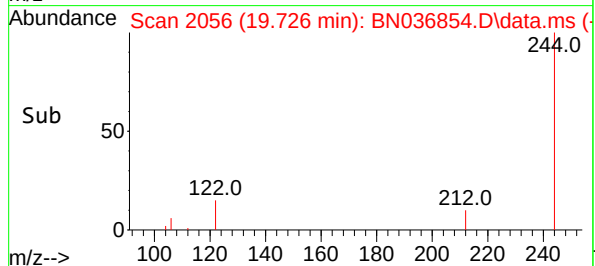
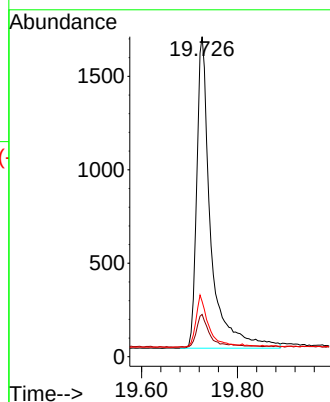
Tgt Ion:244 Resp: 3383

Ion Ratio Lower Upper

244 100

212 13.2 9.6 14.4

122 17.3 13.9 20.9



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.522 min Scan# 2766

Delta R.T. 0.012 min

Lab File: BN036854.D

Acq: 07 Apr 2025 15:30

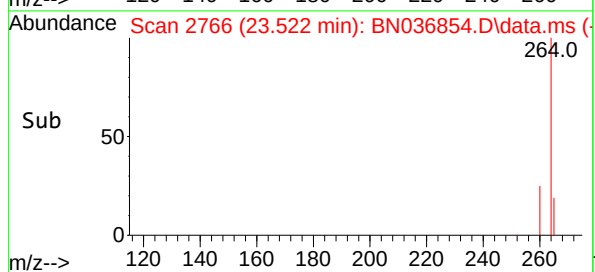
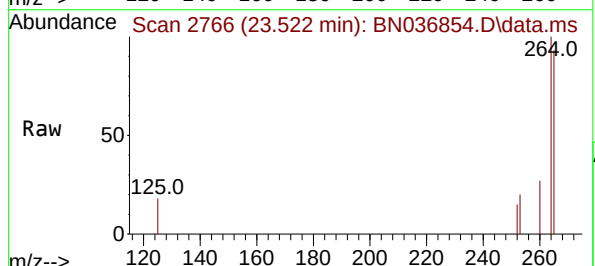
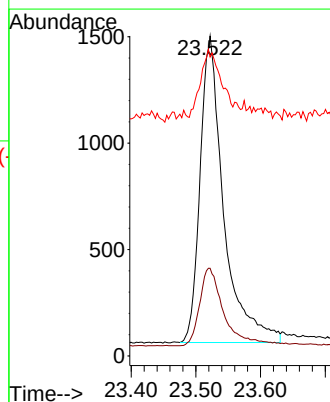
Tgt Ion:264 Resp: 3652

Ion Ratio Lower Upper

264 100

260 27.4 22.6 33.8

265 93.4 88.1 132.1



5

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
 Data File : BN036853.D
 Acq On : 07 Apr 2025 14:54
 Operator : RC/JU
 Sample : PB167475BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB167475BS

Quant Time: Apr 07 15:15:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 04 17:30:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

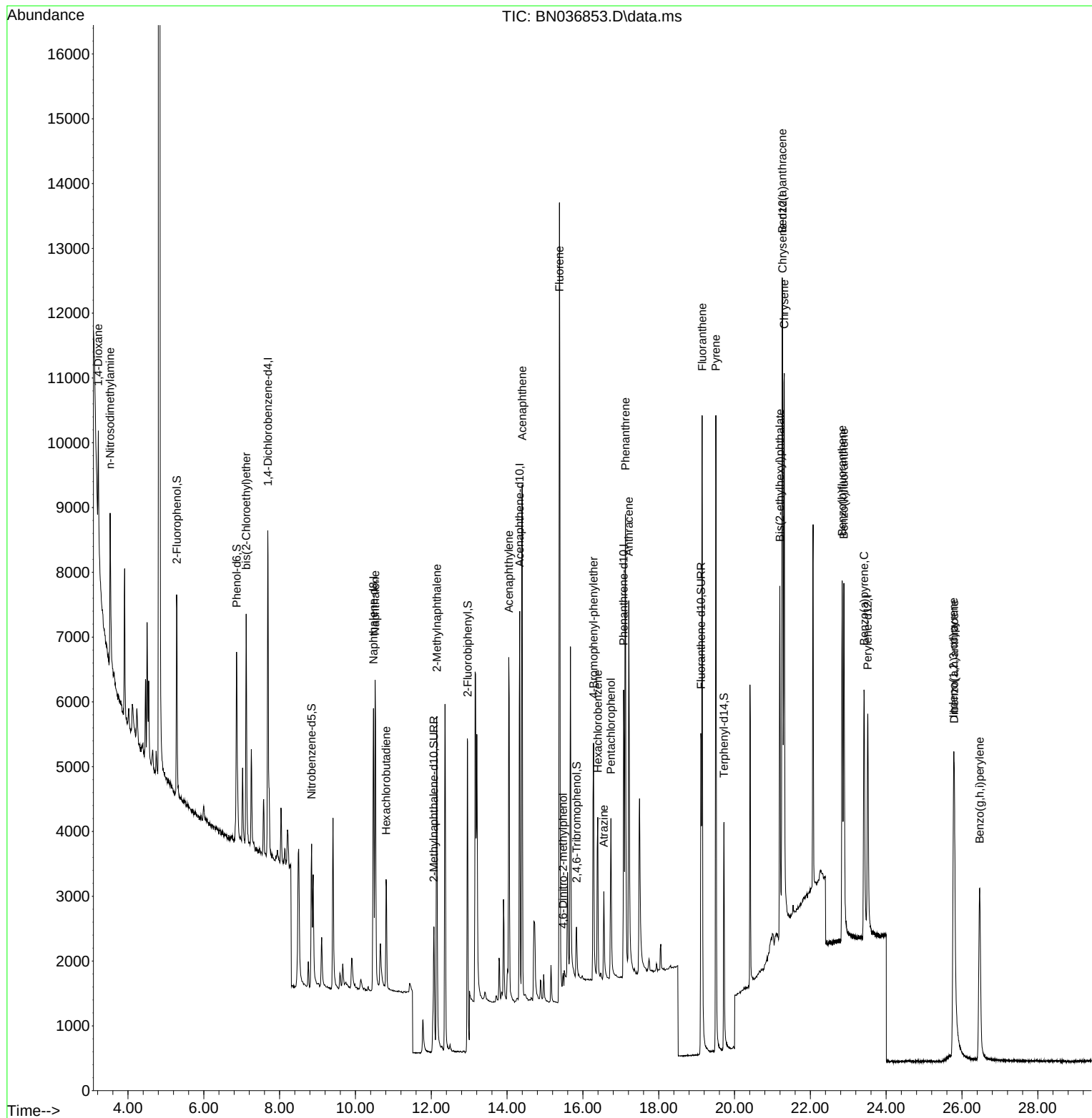
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.688	152	2470	0.400	ng	0.00
7) Naphthalene-d8	10.477	136	6168	0.400	ng	0.00
13) Acenaphthene-d10	14.334	164	3444	0.400	ng	0.00
19) Phenanthrene-d10	17.074	188	7012	0.400	ng	# 0.00
29) Chrysene-d12	21.268	240	5617	0.400	ng	0.00
35) Perylene-d12	23.516	264	4951	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	2353	0.409	ng	0.00
5) Phenol-d6	6.865	99	2815	0.396	ng	0.00
8) Nitrobenzene-d5	8.843	82	2099	0.313	ng	0.00
11) 2-Methylnaphthalene-d10	12.070	152	3396m	0.370	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	515	0.330	ng	0.00
15) 2-Fluorobiphenyl	12.958	172	6803	0.340	ng	0.00
27) Fluoranthene-d10	19.113	212	6408	0.357	ng	0.00
31) Terphenyl-d14	19.722	244	4448	0.331	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.218	88	852	0.311	ng	# 19
3) n-Nitrosodimethylamine	3.528	42	2060	0.372	ng	95
6) bis(2-Chloroethyl)ether	7.118	93	2699	0.367	ng	99
9) Naphthalene	10.519	128	6729	0.371	ng	99
10) Hexachlorobutadiene	10.808	225	1456	0.341	ng	# 97
12) 2-Methylnaphthalene	12.146	142	4261	0.369	ng	99
16) Acenaphthylene	14.045	152	6403	0.394	ng	99
17) Acenaphthene	14.398	154	4160	0.391	ng	99
18) Fluorene	15.382	166	5479	0.381	ng	100
20) 4,6-Dinitro-2-methylph...	15.478	198	391	0.364	ng	90
21) 4-Bromophenyl-phenylether	16.280	248	1565	0.356	ng	88
22) Hexachlorobenzene	16.391	284	1875	0.354	ng	98
23) Atrazine	16.553	200	1388	0.394	ng	97
24) Pentachlorophenol	16.739	266	1419	0.587	ng	100
25) Phenanthrene	17.124	178	8470	0.403	ng	99
26) Anthracene	17.210	178	7654	0.403	ng	100
28) Fluoranthene	19.146	202	9471	0.401	ng	100
30) Pyrene	19.508	202	9764	0.356	ng	99
32) Benzo(a)anthracene	21.259	228	7735	0.396	ng	99
33) Chrysene	21.313	228	8835	0.414	ng	99
34) Bis(2-ethylhexyl)phtha...	21.196	149	4505	0.324	ng	# 97
36) Indeno(1,2,3-cd)pyrene	25.779	276	7577	0.424	ng	99
37) Benzo(b)fluoranthene	22.841	252	7224	0.401	ng	96
38) Benzo(k)fluoranthene	22.885	252	7900	0.418	ng	94
39) Benzo(a)pyrene	23.417	252	6701	0.442	ng	92
40) Dibenzo(a,h)anthracene	25.797	278	5830	0.419	ng	96
41) Benzo(g,h,i)perylene	26.466	276	6259	0.393	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
 Data File : BN036853.D
 Acq On : 07 Apr 2025 14:54
 Operator : RC/JU
 Sample : PB167475BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB167475BS

Quant Time: Apr 07 15:15:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 04 17:30:43 2025
 Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
 Data File : BN036851.D
 Acq On : 07 Apr 2025 13:41
 Operator : RC/JU
 Sample : Q1736-02MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GST2MS

Quant Time: Apr 07 14:06:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 04 17:30:43 2025
 Response via : Initial Calibration

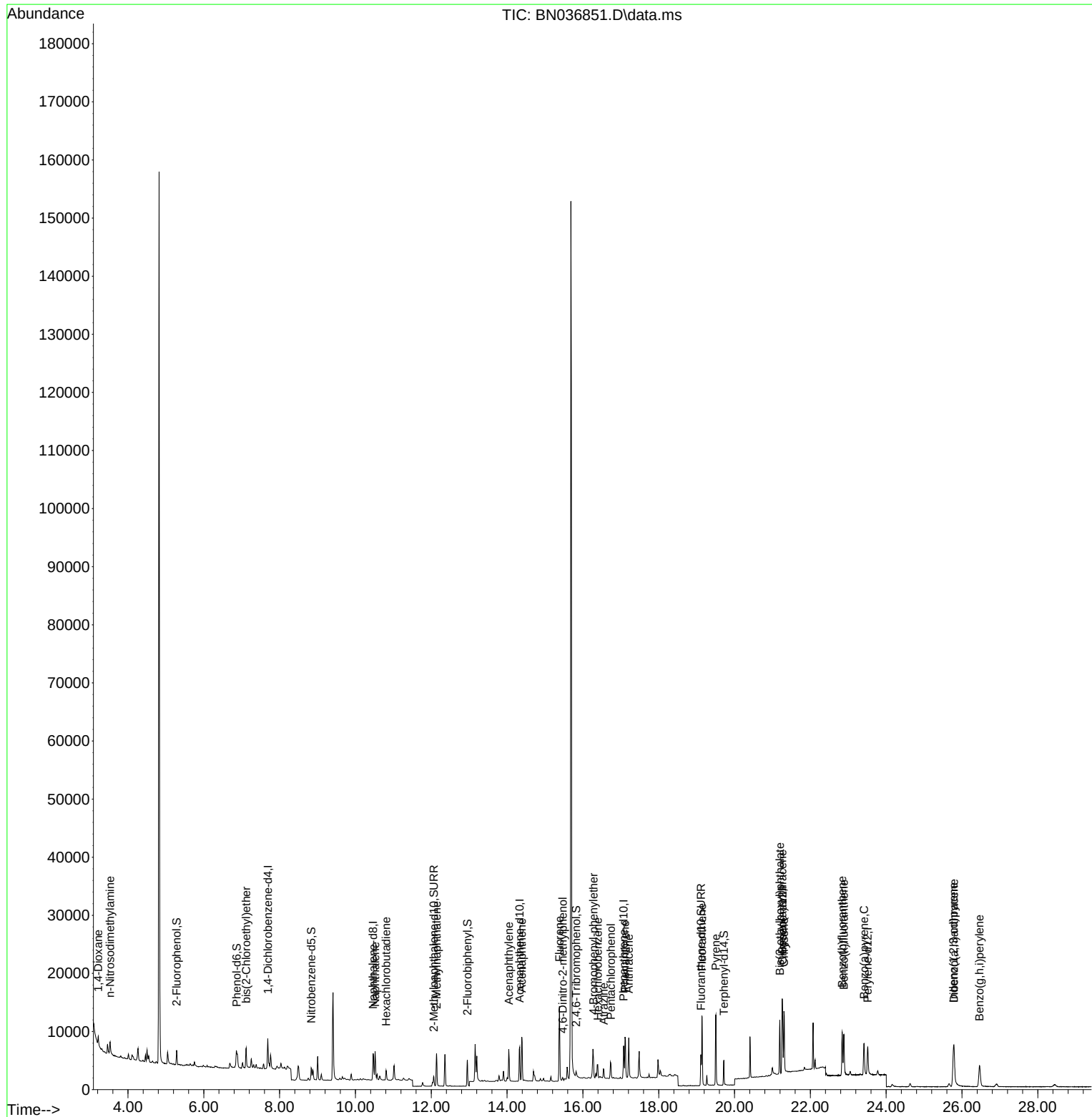
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.688	152	2354	0.400	ng	0.00
7) Naphthalene-d8	10.466	136	6078	0.400	ng	-0.01
13) Acenaphthene-d10	14.334	164	3507	0.400	ng	0.00
19) Phenanthrene-d10	17.074	188	7277	0.400	ng	# 0.00
29) Chrysene-d12	21.268	240	6717	0.400	ng	0.00
35) Perylene-d12	23.513	264	6473	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	1804	0.329	ng	0.00
5) Phenol-d6	6.865	99	2335	0.345	ng	0.00
8) Nitrobenzene-d5	8.833	82	1657	0.251	ng	-0.01
11) 2-Methylnaphthalene-d10	12.065	152	2414	0.267	ng	0.00
14) 2,4,6-Tribromophenol	15.820	330	485	0.305	ng	-0.01
15) 2-Fluorobiphenyl	12.953	172	5409	0.265	ng	0.00
27) Fluoranthene-d10	19.113	212	5797	0.311	ng	0.00
31) Terphenyl-d14	19.717	244	4144	0.258	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.218	88	804	0.308	ng	# 23
3) n-Nitrosodimethylamine	3.528	42	1855	0.351	ng	# 98
6) bis(2-Chloroethyl)ether	7.118	93	2498	0.357	ng	98
9) Naphthalene	10.519	128	6140	0.343	ng	100
10) Hexachlorobutadiene	10.808	225	1319	0.313	ng	# 100
12) 2-Methylnaphthalene	12.141	142	4012	0.353	ng	99
16) Acenaphthylene	14.045	152	5984	0.362	ng	100
17) Acenaphthene	14.388	154	3806	0.351	ng	100
18) Fluorene	15.382	166	5112	0.349	ng	97
20) 4,6-Dinitro-2-methylph...	15.467	198	495	0.412	ng	# 82
21) 4-Bromophenyl-phenylether	16.280	248	1620	0.355	ng	# 71
22) Hexachlorobenzene	16.391	284	1819	0.330	ng	98
23) Atrazine	16.553	200	1437	0.393	ng	# 92
24) Pentachlorophenol	16.739	266	1517	0.604	ng	99
25) Phenanthrene	17.111	178	8495	0.389	ng	99
26) Anthracene	17.211	178	7730	0.392	ng	99
28) Fluoranthene	19.141	202	10367	0.423	ng	98
30) Pyrene	19.508	202	11046	0.336	ng	99
32) Benzo(a)anthracene	21.259	228	9220	0.395	ng	100
33) Chrysene	21.304	228	9602	0.376	ng	99
34) Bis(2-ethylhexyl)phtha...	21.196	149	9178	0.552	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.776	276	9589	0.410	ng	98
37) Benzo(b)fluoranthene	22.841	252	9121	0.387	ng	94
38) Benzo(k)fluoranthene	22.885	252	9355	0.379	ng	94
39) Benzo(a)pyrene	23.414	252	8108	0.409	ng	91
40) Dibenzo(a,h)anthracene	25.791	278	7130	0.392	ng	91
41) Benzo(g,h,i)perylene	26.460	276	7664	0.368	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
Data File : BN036851.D
Acq On : 07 Apr 2025 13:41
Operator : RC/JU
Sample : Q1736-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GST2MS

Quant Time: Apr 07 14:06:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 04 17:30:43 2025
Response via : Initial Calibration



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A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
 Data File : BN036852.D
 Acq On : 07 Apr 2025 14:18
 Operator : RC/JU
 Sample : Q1736-02MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GST2MSD

Quant Time: Apr 07 15:12:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 04 17:30:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

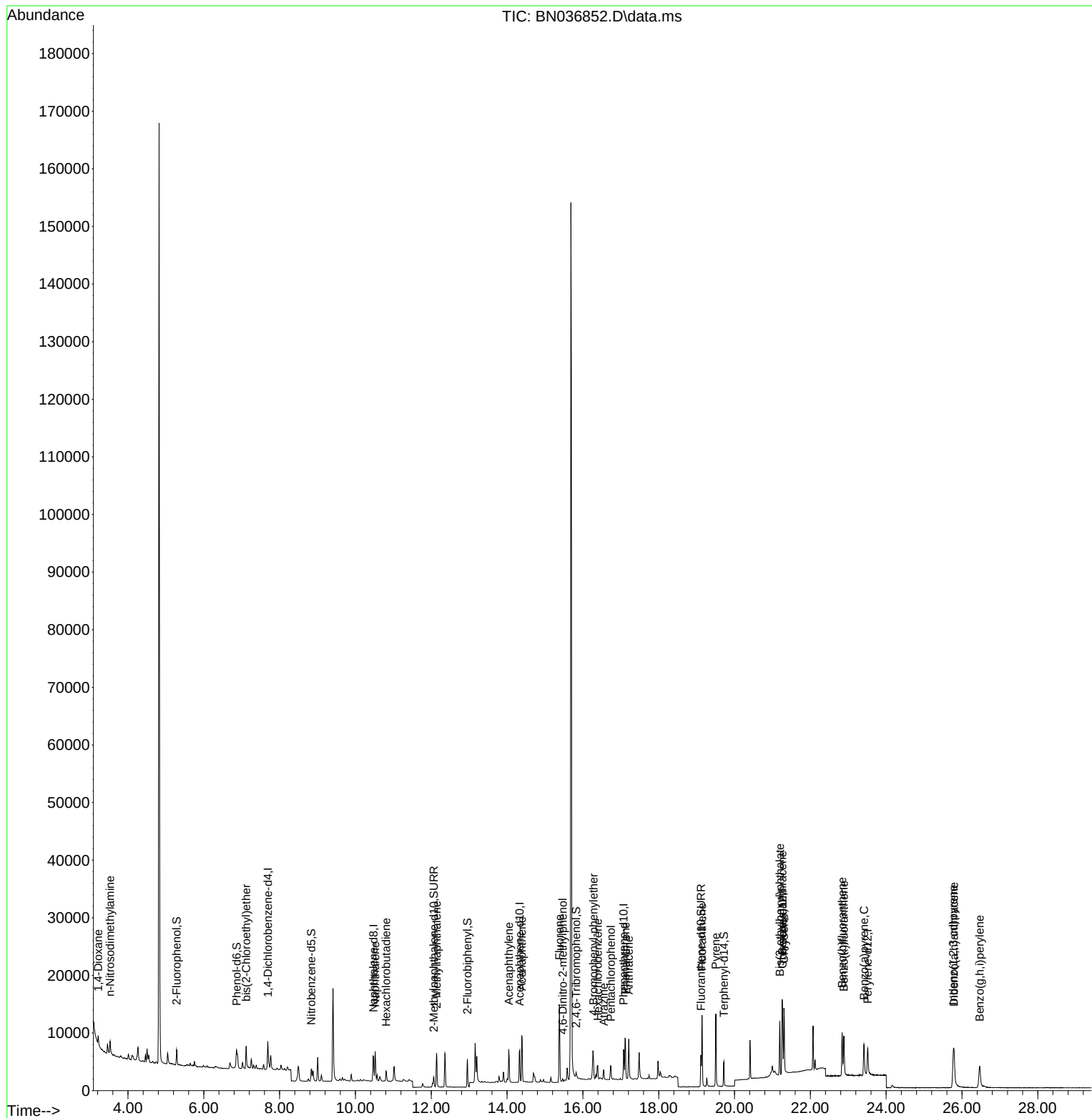
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.688	152	2270	0.400	ng	0.00
7) Naphthalene-d8	10.477	136	5950	0.400	ng	# 0.00
13) Acenaphthene-d10	14.334	164	3412	0.400	ng	0.00
19) Phenanthrene-d10	17.074	188	6916	0.400	ng	# 0.00
29) Chrysene-d12	21.268	240	6228	0.400	ng	0.00
35) Perylene-d12	23.514	264	5983	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	1938	0.366	ng	0.00
5) Phenol-d6	6.865	99	2517	0.385	ng	0.00
8) Nitrobenzene-d5	8.833	82	1777	0.275	ng	-0.01
11) 2-Methylnaphthalene-d10	12.065	152	2666	0.301	ng	0.00
14) 2,4,6-Tribromophenol	15.821	330	525	0.339	ng	-0.01
15) 2-Fluorobiphenyl	12.953	172	5255	0.265	ng	0.00
27) Fluoranthene-d10	19.113	212	5957	0.336	ng	0.00
31) Terphenyl-d14	19.717	244	4172	0.280	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.218	88	873	0.347	ng	# 33
3) n-Nitrosodimethylamine	3.528	42	2017	0.396	ng	# 99
6) bis(2-Chloroethyl)ether	7.118	93	2683	0.397	ng	99
9) Naphthalene	10.520	128	6590	0.377	ng	100
10) Hexachlorobutadiene	10.808	225	1408	0.342	ng	# 99
12) 2-Methylnaphthalene	12.141	142	4248	0.381	ng	98
16) Acenaphthylene	14.046	152	6281	0.390	ng	100
17) Acenaphthene	14.388	154	4061	0.385	ng	99
18) Fluorene	15.382	166	5318	0.373	ng	100
20) 4,6-Dinitro-2-methylph...	15.467	198	464	0.409	ng	88
21) 4-Bromophenyl-phenylether	16.280	248	1667	0.385	ng	# 73
22) Hexachlorobenzene	16.391	284	1854	0.354	ng	97
23) Atrazine	16.553	200	1515	0.436	ng	# 92
24) Pentachlorophenol	16.739	266	1377	0.577	ng	98
25) Phenanthrene	17.124	178	8707	0.420	ng	100
26) Anthracene	17.211	178	7816	0.418	ng	99
28) Fluoranthene	19.141	202	10630	0.456	ng	99
30) Pyrene	19.508	202	11422	0.375	ng	100
32) Benzo(a)anthracene	21.259	228	9428	0.435	ng	99
33) Chrysene	21.304	228	9967	0.421	ng	99
34) Bis(2-ethylhexyl)phtha...	21.196	149	9058	0.587	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.774	276	9689	0.449	ng	97
37) Benzo(b)fluoranthene	22.838	252	9273	0.426	ng	95
38) Benzo(k)fluoranthene	22.885	252	9448	0.414	ng	94
39) Benzo(a)pyrene	23.414	252	8394	0.458	ng	# 90
40) Dibenzo(a,h)anthracene	25.791	278	7268	0.432	ng	91
41) Benzo(g,h,i)perylene	26.466	276	7744	0.403	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
Data File : BN036852.D
Acq On : 07 Apr 2025 14:18
Operator : RC/JU
Sample : Q1736-02MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GST2MSD

Quant Time: Apr 07 15:12:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 04 17:30:43 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	BN031025	Instrument	BNA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC0.1	BN036557.D	1,4-Dioxane	anahy	3/11/2025 9:18:29 AM	Jagrut	3/11/2025 10:27:49 AM	Peak Integrated by Software
SSTDICC0.2	BN036558.D	1,4-Dioxane	anahy	3/11/2025 9:19:12 AM	Jagrut	3/11/2025 10:27:51 AM	Peak Integrated by Software
SSTDCCC0.4	BN036572.D	Benzo(k)fluoranthene	anahy	3/11/2025 9:20:59 AM	Jagrut	3/11/2025 10:27:55 AM	Peak Integrated by Software
SSTDCCC0.4	BN036572.D	Chrysene-d12	anahy	3/11/2025 9:20:59 AM	Jagrut	3/11/2025 10:27:55 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	BN040725	Instrument	BNA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167475BS	BN036853.D	2-Methylnaphthalene-d10	anahy	4/8/2025 12:00:45 PM	Jagrut	4/10/2025 3:32:18 PM	Peak Integrated by Software
Q1736-01	BN036855.D	Benzo(a)pyrene	anahy	4/8/2025 12:04:50 PM	Jagrut	4/10/2025 3:32:23 PM	Peak Integrated by Software
Q1736-01	BN036855.D	Benzo(k)fluoranthene	anahy	4/8/2025 12:04:50 PM	Jagrut	4/10/2025 3:32:23 PM	Peak Integrated by Software

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN031025

Review By	anahy	Review On	3/11/2025 9:36:11 AM
Supervise By	Jagrut	Supervise On	3/11/2025 10:28:11 AM
SubDirectory	BN031025	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn031025
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731		
CCC	SP6735		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6684		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN036556.D	10 Mar 2025 11:03	RC/JU	Ok
2	SSTDIC0.1	BN036557.D	10 Mar 2025 11:42	RC/JU	Ok,M
3	SSTDIC0.2	BN036558.D	10 Mar 2025 12:18	RC/JU	Ok,M
4	SSTDIC0.4	BN036559.D	10 Mar 2025 12:54	RC/JU	Ok
5	SSTDIC0.8	BN036560.D	10 Mar 2025 13:31	RC/JU	Ok
6	SSTDIC1.6	BN036561.D	10 Mar 2025 14:07	RC/JU	Ok
7	SSTDIC3.2	BN036562.D	10 Mar 2025 14:43	RC/JU	Ok
8	SSTDIC5.0	BN036563.D	10 Mar 2025 15:19	RC/JU	Ok
9	SSTDICV0.4	BN036564.D	10 Mar 2025 16:38	RC/JU	Ok
10	PB167057BL	BN036565.D	10 Mar 2025 17:14	RC/JU	Ok
11	Q1531-03	BN036566.D	10 Mar 2025 17:50	RC/JU	Ok
12	Q1531-04	BN036567.D	10 Mar 2025 18:26	RC/JU	Ok
13	Q1531-05	BN036568.D	10 Mar 2025 19:02	RC/JU	Ok
14	Q1531-06	BN036569.D	10 Mar 2025 19:38	RC/JU	Ok,M
15	Q1531-13	BN036570.D	10 Mar 2025 20:14	RC/JU	Ok
16	Q1531-14	BN036571.D	10 Mar 2025 20:50	RC/JU	Ok
17	SSTDIC0.4	BN036572.D	10 Mar 2025 21:26	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN040725

Review By	anahy	Review On	4/8/2025 12:29:57 PM
Supervise By	Jagrut	Supervise On	4/10/2025 3:32:44 PM
SubDirectory	BN040725	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn031025
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731		
CCC	SP6735		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6684		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN036846.D	07 Apr 2025 08:31	RC/JU	Ok
2	SSTDCCC0.4	BN036847.D	07 Apr 2025 09:10	RC/JU	Ok
3	PB167468BL	BN036848.D	07 Apr 2025 09:46	RC/JU	Ok
4	Q1731-04DL	BN036849.D	07 Apr 2025 10:22	RC/JU	Ok
5	Q1736-02	BN036850.D	07 Apr 2025 13:06	RC/JU	Ok
6	Q1736-02MS	BN036851.D	07 Apr 2025 13:41	RC/JU	Ok
7	Q1736-02MSD	BN036852.D	07 Apr 2025 14:18	RC/JU	Ok
8	PB167475BS	BN036853.D	07 Apr 2025 14:54	RC/JU	Ok,M
9	PB167475BL	BN036854.D	07 Apr 2025 15:30	RC/JU	Ok
10	Q1736-01	BN036855.D	07 Apr 2025 16:06	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN031025

Review By	anahy	Review On	3/11/2025 9:36:11 AM
Supervise By	Jagrut	Supervise On	3/11/2025 10:28:11 AM
SubDirectory	BN031025	HP Acquire Method	BNA_N, 8270_HP Processing Method bn031025
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731		
CCC	SP6735		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6684		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN036556.D	10 Mar 2025 11:03		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN036557.D	10 Mar 2025 11:42	Compound #20 removed.	RC/JU	Ok,M
3	SSTDICC0.2	SSTDICC0.2	BN036558.D	10 Mar 2025 12:18		RC/JU	Ok,M
4	SSTDICCC0.4	SSTDICCC0.4	BN036559.D	10 Mar 2025 12:54		RC/JU	Ok
5	SSTDICC0.8	SSTDICC0.8	BN036560.D	10 Mar 2025 13:31		RC/JU	Ok
6	SSTDICC1.6	SSTDICC1.6	BN036561.D	10 Mar 2025 14:07	Compound #20 kept on QR.	RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN036562.D	10 Mar 2025 14:43	Method is good for DOD.	RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN036563.D	10 Mar 2025 15:19		RC/JU	Ok
9	SSTDICV0.4	ICVBN031025	BN036564.D	10 Mar 2025 16:38		RC/JU	Ok
10	PB167057BL	PB167057BL	BN036565.D	10 Mar 2025 17:14		RC/JU	Ok
11	Q1531-03	RE122D1-20250305	BN036566.D	10 Mar 2025 17:50		RC/JU	Ok
12	Q1531-04	RE126D1-20250306	BN036567.D	10 Mar 2025 18:26		RC/JU	Ok
13	Q1531-05	RE126D2-20250306	BN036568.D	10 Mar 2025 19:02		RC/JU	Ok
14	Q1531-06	DUP01-20250306	BN036569.D	10 Mar 2025 19:38		RC/JU	Ok,M
15	Q1531-13	RE108D1-20250306	BN036570.D	10 Mar 2025 20:14		RC/JU	Ok
16	Q1531-14	RE105D1-20250306	BN036571.D	10 Mar 2025 20:50		RC/JU	Ok
17	SSTDCCC0.4	SSTDCCC0.4EC	BN036572.D	10 Mar 2025 21:26		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN040725

Review By	anahy	Review On	4/8/2025 12:29:57 PM
Supervise By	Jagrut	Supervise On	4/10/2025 3:32:44 PM
SubDirectory	BN040725	HP Acquire Method	BNA_N, 8270_HP Processing Method bn031025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731
CCC	SP6735
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6684
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN036846.D	07 Apr 2025 08:31		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN036847.D	07 Apr 2025 09:10		RC/JU	Ok
3	PB167468BL	PB167468BL	BN036848.D	07 Apr 2025 09:46		RC/JU	Ok
4	Q1731-04DL	RMW-03B-90-040325D	BN036849.D	07 Apr 2025 10:22		RC/JU	Ok
5	Q1736-02	GST2	BN036850.D	07 Apr 2025 13:06		RC/JU	Ok
6	Q1736-02MS	GST2MS	BN036851.D	07 Apr 2025 13:41		RC/JU	Ok
7	Q1736-02MSD	GST2MSD	BN036852.D	07 Apr 2025 14:18		RC/JU	Ok
8	PB167475BS	PB167475BS	BN036853.D	07 Apr 2025 14:54		RC/JU	Ok,M
9	PB167475BL	PB167475BL	BN036854.D	07 Apr 2025 15:30		RC/JU	Ok
10	Q1736-01	GST1	BN036855.D	07 Apr 2025 16:06		RC/JU	Ok,M

M : Manual Integration

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 04/07/2025

Extraction Start Time : 08:55

Extraction End Date : 04/07/2025

Extraction End Time : 11:50

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standardized Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	0.4 PPM	SP6739
Surrogate	1.0ML	0.4 PPM	SP6755
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2591
Baked Na2SO4	N/A	EP2597
Sand	N/A	E2865
Methylene Chloride	N/A	E3904
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/07/25	RP (Ext. Lab)	RC/svoc
11:55	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 04/07/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167475BL	SBLK475	SVOC-SIMGrou p1	30.01	N/A	ritesh	Evelyn	1			U6-1
PB167475BS	SLCS475	SVOC-SIMGrou p1	30.02	N/A	ritesh	Evelyn	1			2
Q1736-01	GST1	SVOC-SIMGrou p1	30.05	N/A	ritesh	Evelyn	1			3
Q1736-02	GST2	SVOC-SIMGrou p1	30.03	N/A	ritesh	Evelyn	1			4
Q1736-02MS	GST2MS	SVOC-SIMGrou p1	30.08	N/A	ritesh	Evelyn	1			5
Q1736-02MS D	GST2MSD	SVOC-SIMGrou p1	30.06	N/A	ritesh	Evelyn	1			6



* Extracts relinquished on the same date as received.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1736M WorkList ID : 188766 Department : Extraction Date : 04-07-2025 08:26:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1736-01	GST1	Solid	SVOC-SIMGroup1	Cool 4 deg C	GENV01	L21	04/04/2025	8270-Modified
Q1736-02	GST2	Solid	SVOC-SIMGroup1	Cool 4 deg C	GENV01	L21	04/04/2025	8270-Modified

Date/Time 04/07/25 8:50
Raw Sample Received by: RJ (Est 123)
Raw Sample Relinquished by: CP SR

Date/Time 04/07/25 9:10
Raw Sample Received by: CP SR
Raw Sample Relinquished by: RJ (Est 123)

LAB CHRONICLE

OrderID:	Q1736	OrderDate:	4/4/2025 1:39:00 PM
Client:	G Environmental	Project:	Stockton
Contact:	Gary Landis	Location:	L21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1736-01	GST1	SOIL	SVOC-SIMGroup1	8270-Modified	04/04/25	04/07/25	04/07/25	04/04/25
Q1736-02	GST2	SOIL	SVOC-SIMGroup1	8270-Modified	04/04/25	04/07/25	04/07/25	04/04/25



Hit Summary Sheet
SW-846

SDG No.: Q1736

Order ID: Q1736

Client: G Environmental

Project ID: Stockton

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :				Total Concentration:	0.000			



SAMPLE DATA

A

B

C

D

E

F

G

H

I

J

K

L

Report of Analysis

Client:	G Environmental	Date Collected:	04/04/25
Project:	Stockton	Date Received:	04/04/25
Client Sample ID:	GST1	SDG No.:	Q1736
Lab Sample ID:	Q1736-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	78.6
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110273.D	1	04/07/25 08:20	04/07/25 14:51	PB167469

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	5.00	U	5.00	21.6	ug/kg
11104-28-2	Aroclor-1221	5.10	U	5.10	21.6	ug/kg
11141-16-5	Aroclor-1232	4.70	U	4.70	21.6	ug/kg
53469-21-9	Aroclor-1242	5.10	U	5.10	21.6	ug/kg
12672-29-6	Aroclor-1248	7.50	U	7.50	21.6	ug/kg
11097-69-1	Aroclor-1254	4.10	U	4.10	21.6	ug/kg
37324-23-5	Aroclor-1262	6.40	U	6.40	21.6	ug/kg
11100-14-4	Aroclor-1268	4.60	U	4.60	21.6	ug/kg
11096-82-5	Aroclor-1260	4.10	U	4.10	21.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.2		30 (32) - 150 (144)	76%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.68		30 (32) - 150 (175)	48%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	G Environmental	Date Collected:	04/04/25
Project:	Stockton	Date Received:	04/04/25
Client Sample ID:	GST2	SDG No.:	Q1736
Lab Sample ID:	Q1736-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	80.5
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110274.D	1	04/07/25 08:20	04/07/25 15:10	PB167469

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.90	U	4.90	21.1	ug/kg
11104-28-2	Aroclor-1221	5.00	U	5.00	21.1	ug/kg
11141-16-5	Aroclor-1232	4.60	U	4.60	21.1	ug/kg
53469-21-9	Aroclor-1242	5.00	U	5.00	21.1	ug/kg
12672-29-6	Aroclor-1248	7.30	U	7.30	21.1	ug/kg
11097-69-1	Aroclor-1254	4.00	U	4.00	21.1	ug/kg
37324-23-5	Aroclor-1262	6.20	U	6.20	21.1	ug/kg
11100-14-4	Aroclor-1268	4.50	U	4.50	21.1	ug/kg
11096-82-5	Aroclor-1260	4.00	U	4.00	21.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		30 (32) - 150 (144)	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.9		30 (32) - 150 (175)	75%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



QC SUMMARY

Surrogate Summary

SDG No.: **Q1736**

Client: **G Environmental**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PO109971.D	PIBLK-PO109971.D	Tetrachloro-m-xylene	1	20	18.5	93		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	20.0	100		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	18.6	93		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	21.3	107		70 (60)	130 (140)
I.BLK-PO110267.D	PIBLK-PO110267.D	Tetrachloro-m-xylene	1	20	19.5	97		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	18.4	92		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	18.8	94		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	15.9	79		70 (60)	130 (140)
Q1730-03MS	OU4-VSL-16-040325MS	Tetrachloro-m-xylene	1	20	22.8	114		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.9	104		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.8	109		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	18.0	90		30 (32)	150 (175)
Q1730-03MSD	OU4-VSL-16-040325MSD	Tetrachloro-m-xylene	1	20	21.6	108		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.8	99		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.8	104		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	17.3	86		30 (32)	150 (175)
Q1736-01	GST1	Tetrachloro-m-xylene	1	20	15.2	76		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	9.68	48		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	15.1	75		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	8.71	44		30 (32)	150 (175)
Q1736-02	GST2	Tetrachloro-m-xylene	1	20	20.1	100		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	14.9	75		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.6	93		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	13.6	68		30 (32)	150 (175)
I.BLK-PO110282.D	PIBLK-PO110282.D	Tetrachloro-m-xylene	1	20	19.3	97		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	17.2	86		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	18.8	94		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	16.2	81		70 (60)	130 (140)
PB167469BL	PB167469BL	Tetrachloro-m-xylene	1	20	19.0	95		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	17.3	86		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.3	91		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	16.0	80		30 (32)	150 (175)
PB167469BS	PB167469BS	Tetrachloro-m-xylene	1	20	19.9	99		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.1	95		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.9	95		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	17.3	86		30 (32)	150 (175)
I.BLK-PO110290.D	PIBLK-PO110290.D	Tetrachloro-m-xylene	1	20	19.5	98		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	17.7	89		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	18.9	94		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	16.2	81		70 (60)	130 (140)

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1736

Client: G Environmental

Analytical Method: 8082A

DataFile : PO110271.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: OU4-VSL-16-040325MS												
Q1730-03MS	AR1016	176.1	0	170	ug/kg	97				40 (55)	140 (146)	
	AR1260	176.1	0	157	ug/kg	89				40 (31)	140 (146)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1736

Client: G Environmental

Analytical Method: 8082A

DataFile : PO110272.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	OU4-VSL-16-040325MSD											
Q1730-03MSD	AR1016	176.2	0	164	ug/kg	93		4		40 (55)	140 (146)	30 (20)
	AR1260	176.2	0	153	ug/kg	87		2		40 (31)	140 (146)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1736

Client: G Environmental

Analytical Method: 8082A **Datafile :** PO110284.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB167469BS	AR1016	166.6	141	ug/kg	85				40 (71)	140 (120)		
	AR1260	166.6	134	ug/kg	80				40 (65)	140 (130)		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167469BL

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1736

SAS No.: Q1736 SDG NO.: Q1736

Lab Sample ID: PB167469BL

Lab File ID: PO110283.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 04/07/2025

Date Analyzed (1): 04/07/2025

Date Analyzed (2): 04/07/2025

Time Analyzed (1): 19:22

Time Analyzed (2): 19:22

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

GC Column (1): ZB-MR1 ID: 0.32 (mm)

GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
OU4-VSL-16-040325MS	Q1730-03MS	PO110271.D	04/07/2025	04/07/2025
OU4-VSL-16-040325MSD	Q1730-03MSD	PO110272.D	04/07/2025	04/07/2025
GST1	Q1736-01	PO110273.D	04/07/2025	04/07/2025
GST2	Q1736-02	PO110274.D	04/07/2025	04/07/2025
PB167469BS	PB167469BS	PO110284.D	04/07/2025	04/07/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Stockton		Date Received:		
Client Sample ID:	PB167469BL		SDG No.:	Q1736	
Lab Sample ID:	PB167469BL		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110283.D	1	04/07/25 08:20	04/07/25 19:22	PB167469

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.0		30 (32) - 150 (144)	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.3		30 (32) - 150 (175)	86%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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() = Laboratory InHouse Limit

Report of Analysis

Client:	G Environmental		Date Collected:	03/18/25	
Project:	Stockton		Date Received:	03/18/25	
Client Sample ID:	PIBLK-PO109971.D		SDG No.:	Q1736	
Lab Sample ID:	I.BLK-PO109971.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109971.D	1		03/18/25	PO031925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.5		70 (60) - 130 (140)	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.0		70 (60) - 130 (140)	100%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	G Environmental		Date Collected:	04/07/25	
Project:	Stockton		Date Received:	04/07/25	
Client Sample ID:	PIBLK-PO110267.D		SDG No.:	Q1736	
Lab Sample ID:	I.BLK-PO110267.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110267.D	1		04/07/25	PO040725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.8		70 (60) - 130 (140)	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.9		70 (60) - 130 (140)	79%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	G Environmental		Date Collected:	04/07/25	
Project:	Stockton		Date Received:	04/07/25	
Client Sample ID:	PIBLK-PO110282.D		SDG No.:	Q1736	
Lab Sample ID:	I.BLK-PO110282.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110282.D	1		04/07/25	PO040725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.8		70 (60) - 130 (140)	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.2		70 (60) - 130 (140)	81%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	G Environmental		Date Collected:	04/07/25	
Project:	Stockton		Date Received:	04/07/25	
Client Sample ID:	PIBLK-PO110290.D		SDG No.:	Q1736	
Lab Sample ID:	I.BLK-PO110290.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110290.D	1		04/07/25	PO040725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.9		70 (60) - 130 (140)	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.2		70 (60) - 130 (140)	81%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	PB167469BS	SDG No.:	Q1736
Lab Sample ID:	PB167469BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110284.D	1	04/07/25 08:20	04/07/25 19:41	PB167469

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	141		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	134		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.9		30 (32) - 150 (144)	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.1		30 (32) - 150 (175)	95%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	G Environmental		Date Collected:	04/03/25	
Project:	Stockton		Date Received:	04/04/25	
Client Sample ID:	OU4-VSL-16-040325MS		SDG No.:	Q1736	
Lab Sample ID:	Q1730-03MS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	94.5	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110271.D	1	04/07/25 08:20	04/07/25 14:15	PB167469

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	170		4.20	18.0	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.0	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	18.0	ug/kg
53469-21-9	Aroclor-1242	4.20	U	4.20	18.0	ug/kg
12672-29-6	Aroclor-1248	6.30	U	6.30	18.0	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	18.0	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	18.0	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.0	ug/kg
11096-82-5	Aroclor-1260	157		3.40	18.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.8		30 (32) - 150 (144)	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.9		30 (32) - 150 (175)	104%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	G Environmental	Date Collected:	04/03/25
Project:	Stockton	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-16-040325MSD	SDG No.:	Q1736
Lab Sample ID:	Q1730-03MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	94.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110272.D	1	04/07/25 08:20	04/07/25 14:33	PB167469

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	164		4.20	18.0	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.0	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	18.0	ug/kg
53469-21-9	Aroclor-1242	4.20	U	4.20	18.0	ug/kg
12672-29-6	Aroclor-1248	6.30	U	6.30	18.0	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	18.0	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	18.0	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.0	ug/kg
11096-82-5	Aroclor-1260	153		3.40	18.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.6		30 (32) - 150 (144)	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.8		30 (32) - 150 (175)	99%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract: GENV01
Lab Code: CHEM **Case No.:** Q1736 **SAS No.:** Q1736 **SDG NO.:** Q1736
Instrument ID: ECD_O **Calibration Date(s):** 03/18/2025 03/18/2025
Calibration Times: 14:03 22:15

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: **RT 1000 =** PO109972.D **RT 750 =** PO109973.D
RT 500 = PO109974.D **RT 250 =** PO109975.D **RT 050 =** PO109976.D

COMPOUND	RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM TO	
Aroclor-1016-1 (1)	4.79	4.79	4.79	4.79	4.78	4.79	4.69	4.89
Aroclor-1016-2 (2)	4.81	4.81	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1016-3 (3)	4.86	4.86	4.86	4.86	4.86	4.86	4.76	4.96
Aroclor-1016-4 (4)	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Aroclor-1016-5 (5)	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
Aroclor-1260-1 (1)	6.28	6.28	6.28	6.28	6.28	6.28	6.18	6.38
Aroclor-1260-2 (2)	6.47	6.47	6.47	6.47	6.47	6.47	6.37	6.57
Aroclor-1260-3 (3)	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
Aroclor-1260-4 (4)	7.10	7.10	7.10	7.10	7.10	7.10	7.00	7.20
Aroclor-1260-5 (5)	7.34	7.34	7.34	7.34	7.34	7.34	7.24	7.44
Decachlorobiphenyl	8.75	8.75	8.75	8.75	8.74	8.75	8.65	8.85
Tetrachloro-m-xylene	3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1242-1 (1)	4.79	4.79	4.79	4.79	4.78	4.79	4.69	4.89
Aroclor-1242-2 (2)	4.80	4.80	4.81	4.80	4.80	4.80	4.70	4.90
Aroclor-1242-3 (3)	4.86	4.86	4.86	4.86	4.86	4.86	4.76	4.96
Aroclor-1242-4 (4)	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Aroclor-1242-5 (5)	5.64	5.63	5.64	5.63	5.63	5.63	5.53	5.73
Decachlorobiphenyl	8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene	3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1248-1 (1)	4.78	4.79	4.79	4.78	4.78	4.78	4.68	4.88
Aroclor-1248-2 (2)	5.02	5.02	5.02	5.02	5.02	5.02	4.92	5.12
Aroclor-1248-3 (3)	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
Aroclor-1248-4 (4)	5.59	5.59	5.59	5.59	5.59	5.59	5.49	5.69
Aroclor-1248-5 (5)	5.63	5.64	5.63	5.63	5.63	5.63	5.53	5.73
Decachlorobiphenyl	8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene	3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1254-1 (1)	5.59	5.59	5.59	5.59	5.59	5.59	5.49	5.69
Aroclor-1254-2 (2)	5.74	5.74	5.74	5.74	5.74	5.74	5.64	5.84
Aroclor-1254-3 (3)	6.15	6.15	6.15	6.15	6.15	6.15	6.05	6.25
Aroclor-1254-4 (4)	6.38	6.38	6.38	6.38	6.38	6.38	6.28	6.48
Aroclor-1254-5 (5)	6.80	6.80	6.80	6.80	6.80	6.80	6.70	6.90
Decachlorobiphenyl	8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene	3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1268-1 (1)	7.62	7.62	7.62	7.62	7.62	7.62	7.52	7.72
Aroclor-1268-2 (2)	7.69	7.69	7.69	7.69	7.69	7.69	7.59	7.79
Aroclor-1268-3 (3)	7.90	7.90	7.90	7.90	7.90	7.90	7.80	8.00
Aroclor-1268-4 (4)	8.18	8.18	8.19	8.18	8.18	8.18	8.08	8.28
Aroclor-1268-5 (5)	8.48	8.48	8.48	8.48	8.48	8.48	8.38	8.58

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene	3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79

A

B

C

D

E

F

G

H

I

J

K

L

RETENTION TIMES OF INITIAL CALIBRATION

Contract: GENV01
Lab Code: CHEM **Case No.:** Q1736 **SAS No.:** Q1736 **SDG NO.:** Q1736
Instrument ID: ECD_O **Calibration Date(s):** 03/18/2025 03/18/2025
Calibration Times: 14:03 22:15

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: **RT 1000 =** PO109972.D **RT 750 =** PO109973.D
RT 500 = PO109974.D **RT 250 =** PO109975.D **RT 050 =** PO109976.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM TO	
Aroclor-1016-1	(1)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1016-2	(2)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1016-3	(3)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1016-4	(4)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1016-5	(5)	5.22	5.22	5.22	5.22	5.22	5.22	5.12	5.32
Aroclor-1260-1	(1)	6.25	6.26	6.26	6.25	6.25	6.25	6.15	6.35
Aroclor-1260-2	(2)	6.44	6.44	6.44	6.44	6.44	6.44	6.34	6.54
Aroclor-1260-3	(3)	6.60	6.60	6.60	6.59	6.59	6.59	6.49	6.69
Aroclor-1260-4	(4)	7.07	7.07	7.07	7.07	7.07	7.07	6.97	7.17
Aroclor-1260-5	(5)	7.31	7.31	7.31	7.31	7.31	7.31	7.21	7.41
Decachlorobiphenyl		8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1242-1	(1)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1242-2	(2)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1242-3	(3)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1242-4	(4)	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
Aroclor-1242-5	(5)	5.57	5.57	5.57	5.57	5.57	5.57	5.47	5.67
Decachlorobiphenyl		8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1248-1	(1)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1248-2	(2)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1248-3	(3)	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
Aroclor-1248-4	(4)	5.22	5.22	5.22	5.22	5.22	5.22	5.12	5.32
Aroclor-1248-5	(5)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Decachlorobiphenyl		8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1254-1	(1)	5.57	5.57	5.57	5.57	5.57	5.57	5.47	5.67
Aroclor-1254-2	(2)	5.72	5.72	5.72	5.72	5.72	5.72	5.62	5.82
Aroclor-1254-3	(3)	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Aroclor-1254-4	(4)	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Aroclor-1254-5	(5)	6.77	6.77	6.77	6.77	6.77	6.77	6.67	6.87
Decachlorobiphenyl		8.69	8.70	8.70	8.70	8.69	8.70	8.60	8.80
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1268-1	(1)	7.59	7.59	7.59	7.59	7.59	7.59	7.49	7.69
Aroclor-1268-2	(2)	7.66	7.66	7.65	7.65	7.65	7.65	7.55	7.75
Aroclor-1268-3	(3)	7.86	7.86	7.86	7.86	7.86	7.86	7.76	7.96
Aroclor-1268-4	(4)	8.15	8.15	8.15	8.15	8.15	8.15	8.05	8.25
Aroclor-1268-5	(5)	8.44	8.44	8.44	8.44	8.44	8.44	8.34	8.54

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.70	8.70	8.69	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene	3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: GENV01
Lab Code: CHEM **Case No.:** Q1736 **SAS No.:** Q1736 **SDG NO.:** Q1736
Instrument ID: ECD_O
Calibration Date(s): 03/18/2025 03/18/2025
Calibration Times: 14:03 22:15
GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID:		CF 1000 = <u>PO109972.D</u>		CF 750 = <u>PO109973.D</u>			
CF 500 = <u>PO109974.D</u>		CF 250 = <u>PO109975.D</u>		CF 050 = <u>PO109976.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	318793340	329109113	342176988	354587888	338053060	4
Aroclor-1016-2	(2)	446388679	463709840	475172436	492289896	440868120	5
Aroclor-1016-3	(3)	297123739	311570976	324283686	341714956	328237360	5
Aroclor-1016-4	(4)	237983440	248526219	257445742	268101480	251389660	4
Aroclor-1016-5	(5)	250501585	263674729	272727188	289617476	297814400	7
Aroclor-1260-1	(1)	448474074	467586512	475904282	500944916	463845060	4
Aroclor-1260-2	(2)	549756400	573035712	574538170	604900316	675365020	8
Aroclor-1260-3	(3)	466244522	483474499	486507370	506233648	484047880	3
Aroclor-1260-4	(4)	395577993	413728377	429812132	453058452	428662340	5
Aroclor-1260-5	(5)	1037246832	1067855560	1076605366	1088369780	959152240	5
Decachlorobiphenyl		7314268770	7585202853	7715836840	8064386520	7763558800	4
Tetrachloro-m-xylene		9191618080	9409704013	9556350980	9350200040	7999627400	7
Aroclor-1242-1	(1)	257021206	271242037	274350776	287750984	246670040	6
Aroclor-1242-2	(2)	361656206	376061644	380771426	397296944	325229300	7
Aroclor-1242-3	(3)	239272274	256595597	260500336	277304732	256081460	5
Aroclor-1242-4	(4)	191269111	202702439	206227546	215710620	184561000	6
Aroclor-1242-5	(5)	200342595	212233400	219728410	230305716	192670380	7
Decachlorobiphenyl		7073021470	7288055093	7382383840	7783557400	6481660800	7
Tetrachloro-m-xylene		8702773030	8995385800	8954862760	9053765120	6655083400	12
Aroclor-1248-1	(1)	203222777	210833551	219941524	231478528	236936100	6
Aroclor-1248-2	(2)	271717932	285234192	301067598	320199420	327717760	8
Aroclor-1248-3	(3)	341855080	357243465	374409124	395224264	397211640	6
Aroclor-1248-4	(4)	484718685	503724613	523274664	543824872	584555460	7
Aroclor-1248-5	(5)	341874536	354831647	369725290	387414496	410903120	7
Decachlorobiphenyl		7279802030	7532134600	7794766540	8111831880	8262032800	5
Tetrachloro-m-xylene		8896906280	9107530813	9275989780	9374608920	8757655400	3
Aroclor-1254-1	(1)	527461301	541865743	559314886	571016624	626589000	7
Aroclor-1254-2	(2)	454907170	469007857	483702014	470938584	527635000	6
Aroclor-1254-3	(3)	753626169	772675721	789277352	760170300	789680960	2
Aroclor-1254-4	(4)	465418236	477798716	486446390	499614064	471424900	3
Aroclor-1254-5	(5)	652046620	666447925	680525202	682124008	569584060	7
Decachlorobiphenyl		7506577390	7722603000	7867257780	8042146160	8253331200	4
Tetrachloro-m-xylene		9124017490	9264222013	9387241720	8732477200	8689133000	3
Aroclor-1268-1	(1)	1369838059	1374439380	1401378006	1431422640	1423576940	2

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1266296617	1262736967	1279632688	1321583800	1270503560	1280150726	2
Aroclor-1268-3	(3)	1019701747	1019547960	1038648586	1056461448	1003450380	1027562024	2
Aroclor-1268-4	(4)	432675859	421354135	447439086	473337560	435173000	441995928	4
Aroclor-1268-5	(5)	3202130253	3192211076	3228608174	3247761892	3036317900	3181405859	3
Decachlorobiphenyl		13640006290	13735597093	14120230440	14566780400	14594697800	14131462405	3
Tetrachloro-m-xylene		9016621250	8994153573	9277514520	9319153840	8874982800	9096485197	2

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: GENV01
Lab Code: CHEM **Case No.:** Q1736 **SAS No.:** Q1736 **SDG NO.:** Q1736
Instrument ID: ECD_O
Calibration Date(s): 03/18/2025 03/18/2025
Calibration Times: 14:03 22:15
GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 1000 = <u>PO109972.D</u>		CF 750 = <u>PO109973.D</u>			
CF 500 = <u>PO109974.D</u>		CF 250 = <u>PO109975.D</u>		CF 050 = <u>PO109976.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	173731434	178393712	185954312	194985500	183209860	4
Aroclor-1016-2	(2)	252919767	260842944	268062016	276298580	249399140	4
Aroclor-1016-3	(3)	134029267	138651783	144331354	150165168	141715700	4
Aroclor-1016-4	(4)	107671732	112396073	118651742	125867636	125061600	7
Aroclor-1016-5	(5)	141734749	147685869	153486032	162580972	159105760	6
Aroclor-1260-1	(1)	240074381	247747439	258832620	273383796	257170920	5
Aroclor-1260-2	(2)	281757793	288999419	301276956	315867360	313526020	5
Aroclor-1260-3	(3)	267611935	278954948	288530668	305847736	303966000	6
Aroclor-1260-4	(4)	196048044	205344145	218294872	229292036	226412760	7
Aroclor-1260-5	(5)	481983300	481761991	513782868	520791536	495161780	4
Decachlorobiphenyl		2314898720	2277821173	2432747880	2620033760	2485044400	6
Tetrachloro-m-xylene		5279380900	5378354400	5480250420	5516817960	4565680000	7
Aroclor-1242-1	(1)	141331278	146781083	150759024	159963196	132242600	7
Aroclor-1242-2	(2)	205951481	214434265	215763772	224841412	179186640	8
Aroclor-1242-3	(3)	108828803	114341291	116166340	122887996	95840060	9
Aroclor-1242-4	(4)	107629937	113953347	117437436	126339948	114521460	6
Aroclor-1242-5	(5)	132486572	139043136	144664964	152408060	117607760	10
Decachlorobiphenyl		2177773130	2225931947	2270761420	2435729160	2067519400	6
Tetrachloro-m-xylene		5049304150	5177204613	5163887520	5207194080	3529903800	15
Aroclor-1248-1	(1)	111262575	115666484	120322434	126703700	133730220	7
Aroclor-1248-2	(2)	153166873	160144767	168518512	179835124	180628540	7
Aroclor-1248-3	(3)	163639212	170966695	179105274	191715488	200520960	8
Aroclor-1248-4	(4)	192034431	200649257	208567738	223057368	227978540	7
Aroclor-1248-5	(5)	189825244	196639567	203671792	215836044	233387660	8
Decachlorobiphenyl		2147083620	2251559707	2344655820	2535991200	2605882000	8
Tetrachloro-m-xylene		5118943080	5218637120	5295153740	5366945840	5070595200	2
Aroclor-1254-1	(1)	289813236	298739165	307722880	314204860	352998300	8
Aroclor-1254-2	(2)	250736607	259627313	268490268	271062664	307765180	8
Aroclor-1254-3	(3)	402159669	413409125	421207530	415558372	424838600	2
Aroclor-1254-4	(4)	231846868	237861840	244387952	246184552	252577700	3
Aroclor-1254-5	(5)	329301884	337898680	348664586	361298960	302328380	7
Decachlorobiphenyl		2196807900	2276377227	2418572320	2516603360	2645427200	7
Tetrachloro-m-xylene		5207556450	5288727027	5346917000	5051956440	5061201200	3
Aroclor-1268-1	(1)	560759375	568986040	578205714	598591620	620126960	4

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	519206129	525348819	532636024	548739284	562258340	537637719	3
Aroclor-1268-3	(3)	397648794	399556300	412917038	427809808	440374680	415661324	4
Aroclor-1268-4	(4)	153792414	154678659	162023954	168698684	166024000	161043542	4
Aroclor-1268-5	(5)	963659212	966574348	987141016	1016062428	1031847640	993056929	3
Decachlorobiphenyl		3902633900	3983566053	4144258760	4413490680	4552839600	4199357799	7
Tetrachloro-m-xylene		5158364110	5158184947	5281917420	5320423880	5129069800	5209592031	2

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: GENV01

Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736 SDG NO.: Q1736

Instrument ID: ECD_O Date(s) Analyzed: 03/18/2025 03/18/2025

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.91	3.81	4.01	115828000
		2	3.99	3.89	4.09	86499800
		3	4.07	3.97	4.17	261696000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.07	3.97	4.17	215744000
		2	4.56	4.46	4.66	114786000
		3	4.81	4.71	4.91	211780000
		4	4.98	4.88	5.08	113561000
		5	5.02	4.92	5.12	80454000
Aroclor-1262	500	1	6.84	6.74	6.94	688120000
		2	7.34	7.24	7.44	1191970000
		3	7.62	7.52	7.72	470630000
		4	7.69	7.59	7.79	874576000
		5	8.18	8.08	8.28	394442000

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: GENV01

Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736 SDG NO.: Q1736

Instrument ID: ECD_O Date(s) Analyzed: 03/18/2025 03/18/2025

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.90	3.80	4.00	66882200
		2	3.99	3.89	4.09	49381600
		3	4.06	3.96	4.16	151684000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.06	3.96	4.16	124093000
		2	4.79	4.69	4.89	120349000
		3	4.97	4.87	5.07	63656000
		4	5.05	4.95	5.15	59341000
		5	5.22	5.12	5.32	63217800
Aroclor-1262	500	1	6.81	6.71	6.91	344312000
		2	7.31	7.21	7.41	537220000
		3	7.59	7.49	7.69	194051000
		4	7.65	7.55	7.75	361786000
		5	8.15	8.05	8.25	141162000

CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736 SDG NO.: Q1736

Continuing Calib Date: 04/07/2025 Initial Calibration Date(s): 03/18/2025 03/18/2025

Continuing Calib Time: 09:46 Initial Calibration Time(s): 14:03 22:15

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.78	4.79	4.69	4.89	0.01
Aroclor-1016-2	(2)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-3	(3)	4.86	4.86	4.76	4.96	0.00
Aroclor-1016-4	(4)	4.98	4.98	4.88	5.08	0.00
Aroclor-1016-5	(5)	5.24	5.24	5.14	5.34	0.00
Aroclor-1260-1	(1)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-2	(2)	6.47	6.47	6.37	6.57	0.00
Aroclor-1260-3	(3)	6.84	6.84	6.74	6.94	0.00
Aroclor-1260-4	(4)	7.10	7.10	7.00	7.20	0.00
Aroclor-1260-5	(5)	7.34	7.34	7.24	7.44	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.74	8.75	8.65	8.85	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736 SDG NO.: Q1736

Continuing Calib Date: 04/07/2025 Initial Calibration Date(s): 03/18/2025 03/18/2025

Continuing Calib Time: 09:46 Initial Calibration Time(s): 14:03 22:15

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-3	(3)	4.96	4.97	4.87	5.07	0.01
Aroclor-1016-4	(4)	5.01	5.01	4.91	5.11	0.00
Aroclor-1016-5	(5)	5.22	5.22	5.12	5.32	0.00
Aroclor-1260-1	(1)	6.25	6.26	6.16	6.36	0.01
Aroclor-1260-2	(2)	6.44	6.44	6.34	6.54	0.00
Aroclor-1260-3	(3)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-4	(4)	7.06	7.07	6.97	7.17	0.01
Aroclor-1260-5	(5)	7.30	7.31	7.21	7.41	0.01
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.69	8.70	8.60	8.80	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736 SDG NO.: Q1736

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 03/18/2025 03/18/2025

Client Sample No.: CCAL01 Date Analyzed: 04/07/2025

Lab Sample No.: AR1660CCC500 Data File : PO110263.D Time Analyzed: 09:46

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.784	4.685	4.885	533.050	500.000	6.6
Aroclor-1016-2	4.803	4.704	4.904	532.950	500.000	6.6
Aroclor-1016-3	4.860	4.761	4.961	534.220	500.000	6.8
Aroclor-1016-4	4.980	4.881	5.081	533.580	500.000	6.7
Aroclor-1016-5	5.238	5.139	5.339	534.560	500.000	6.9
Aroclor-1260-1	6.279	6.180	6.380	540.840	500.000	8.2
Aroclor-1260-2	6.467	6.369	6.569	507.690	500.000	1.5
Aroclor-1260-3	6.835	6.737	6.937	498.120	500.000	-0.4
Aroclor-1260-4	7.096	6.998	7.198	486.870	500.000	-2.6
Aroclor-1260-5	7.337	7.239	7.439	480.250	500.000	-4.0
Decachlorobiphenyl	8.742	8.645	8.845	57.530	50.000	15.1
Tetrachloro-m-xylene	3.692	3.592	3.792	53.720	50.000	7.4

CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736 SDG NO.: Q1736

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 03/18/2025 03/18/2025

Client Sample No.: CCAL01 Date Analyzed: 04/07/2025

Lab Sample No.: AR1660CCC500 Data File : PO110263.D Time Analyzed: 09:46

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.769	4.672	4.872	509.410	500.000	1.9
Aroclor-1016-2	4.788	4.691	4.891	506.900	500.000	1.4
Aroclor-1016-3	4.964	4.867	5.067	511.350	500.000	2.3
Aroclor-1016-4	5.005	4.909	5.109	504.600	500.000	0.9
Aroclor-1016-5	5.219	5.122	5.322	510.930	500.000	2.2
Aroclor-1260-1	6.250	6.155	6.355	495.180	500.000	-1.0
Aroclor-1260-2	6.438	6.342	6.542	487.390	500.000	-2.5
Aroclor-1260-3	6.591	6.495	6.695	473.050	500.000	-5.4
Aroclor-1260-4	7.062	6.967	7.167	467.970	500.000	-6.4
Aroclor-1260-5	7.302	7.207	7.407	455.220	500.000	-9.0
Decachlorobiphenyl	8.690	8.596	8.796	48.910	50.000	-2.2
Tetrachloro-m-xylene	3.687	3.590	3.790	52.660	50.000	5.3

CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736 SDG NO.: Q1736

Continuing Calib Date: 04/07/2025 Initial Calibration Date(s): 03/18/2025 03/18/2025

Continuing Calib Time: 17:14 Initial Calibration Time(s): 14:03 22:15

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.78	4.79	4.69	4.89	0.01
Aroclor-1016-2	(2)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-3	(3)	4.86	4.86	4.76	4.96	0.00
Aroclor-1016-4	(4)	4.98	4.98	4.88	5.08	0.00
Aroclor-1016-5	(5)	5.24	5.24	5.14	5.34	0.00
Aroclor-1260-1	(1)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-2	(2)	6.47	6.47	6.37	6.57	0.00
Aroclor-1260-3	(3)	6.83	6.84	6.74	6.94	0.01
Aroclor-1260-4	(4)	7.09	7.10	7.00	7.20	0.01
Aroclor-1260-5	(5)	7.34	7.34	7.24	7.44	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.74	8.75	8.65	8.85	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736 SDG NO.: Q1736

Continuing Calib Date: 04/07/2025 Initial Calibration Date(s): 03/18/2025 03/18/2025

Continuing Calib Time: 17:14 Initial Calibration Time(s): 14:03 22:15

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-3	(3)	4.96	4.97	4.87	5.07	0.01
Aroclor-1016-4	(4)	5.01	5.01	4.91	5.11	0.00
Aroclor-1016-5	(5)	5.22	5.22	5.12	5.32	0.00
Aroclor-1260-1	(1)	6.25	6.26	6.16	6.36	0.01
Aroclor-1260-2	(2)	6.44	6.44	6.34	6.54	0.00
Aroclor-1260-3	(3)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-4	(4)	7.06	7.07	6.97	7.17	0.01
Aroclor-1260-5	(5)	7.30	7.31	7.21	7.41	0.01
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.69	8.70	8.60	8.80	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736 SDG NO.: Q1736

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 03/18/2025 03/18/2025

Client Sample No.: CCAL02 Date Analyzed: 04/07/2025

Lab Sample No.: AR1660CCC500 Data File : PO110278.D Time Analyzed: 17:14

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.782	4.685	4.885	511.900	500.000	2.4
Aroclor-1016-2	4.802	4.704	4.904	513.800	500.000	2.8
Aroclor-1016-3	4.858	4.761	4.961	513.560	500.000	2.7
Aroclor-1016-4	4.979	4.881	5.081	505.500	500.000	1.1
Aroclor-1016-5	5.236	5.139	5.339	483.610	500.000	-3.3
Aroclor-1260-1	6.276	6.180	6.380	516.970	500.000	3.4
Aroclor-1260-2	6.466	6.369	6.569	486.490	500.000	-2.7
Aroclor-1260-3	6.834	6.737	6.937	450.780	500.000	-9.8
Aroclor-1260-4	7.094	6.998	7.198	442.100	500.000	-11.6
Aroclor-1260-5	7.336	7.239	7.439	429.820	500.000	-14.0
Decachlorobiphenyl	8.741	8.645	8.845	52.440	50.000	4.9
Tetrachloro-m-xylene	3.691	3.592	3.792	52.070	50.000	4.1

CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736 SDG NO.: Q1736

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 03/18/2025 03/18/2025

Client Sample No.: CCAL02 Date Analyzed: 04/07/2025

Lab Sample No.: AR1660CCC500 Data File : PO110278.D Time Analyzed: 17:14

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.769	4.672	4.872	501.230	500.000	0.2
Aroclor-1016-2	4.788	4.691	4.891	505.970	500.000	1.2
Aroclor-1016-3	4.964	4.867	5.067	506.650	500.000	1.3
Aroclor-1016-4	5.006	4.909	5.109	501.000	500.000	0.2
Aroclor-1016-5	5.218	5.122	5.322	500.710	500.000	0.1
Aroclor-1260-1	6.250	6.155	6.355	459.750	500.000	-8.1
Aroclor-1260-2	6.438	6.342	6.542	450.220	500.000	-10.0
Aroclor-1260-3	6.591	6.495	6.695	435.550	500.000	-12.9
Aroclor-1260-4	7.063	6.967	7.167	432.750	500.000	-13.5
Aroclor-1260-5	7.303	7.207	7.407	419.150	500.000	-16.2
Decachlorobiphenyl	8.691	8.596	8.796	46.440	50.000	-7.1
Tetrachloro-m-xylene	3.688	3.590	3.790	52.230	50.000	4.5

CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736 SDG NO.: Q1736

Continuing Calib Date: 04/07/2025 Initial Calibration Date(s): 03/18/2025 03/18/2025

Continuing Calib Time: 21:27 Initial Calibration Time(s): 14:03 22:15

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.78	4.79	4.69	4.89	0.01
Aroclor-1016-2	(2)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-3	(3)	4.86	4.86	4.76	4.96	0.00
Aroclor-1016-4	(4)	4.98	4.98	4.88	5.08	0.00
Aroclor-1016-5	(5)	5.24	5.24	5.14	5.34	0.00
Aroclor-1260-1	(1)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-2	(2)	6.47	6.47	6.37	6.57	0.00
Aroclor-1260-3	(3)	6.83	6.84	6.74	6.94	0.01
Aroclor-1260-4	(4)	7.09	7.10	7.00	7.20	0.01
Aroclor-1260-5	(5)	7.34	7.34	7.24	7.44	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.74	8.75	8.65	8.85	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736 SDG NO.: Q1736

Continuing Calib Date: 04/07/2025 Initial Calibration Date(s): 03/18/2025 03/18/2025

Continuing Calib Time: 21:27 Initial Calibration Time(s): 14:03 22:15

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-3	(3)	4.96	4.97	4.87	5.07	0.01
Aroclor-1016-4	(4)	5.01	5.01	4.91	5.11	0.00
Aroclor-1016-5	(5)	5.22	5.22	5.12	5.32	0.00
Aroclor-1260-1	(1)	6.25	6.26	6.16	6.36	0.01
Aroclor-1260-2	(2)	6.44	6.44	6.34	6.54	0.00
Aroclor-1260-3	(3)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-4	(4)	7.06	7.07	6.97	7.17	0.01
Aroclor-1260-5	(5)	7.30	7.31	7.21	7.41	0.01
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.69	8.70	8.60	8.80	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736 SDG NO.: Q1736

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 03/18/2025 03/18/2025

Client Sample No.: CCAL03 Date Analyzed: 04/07/2025

Lab Sample No.: AR1660CCC500 Data File : PO110286.D Time Analyzed: 21:27

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.783	4.685	4.885	528.320	500.000	5.7
Aroclor-1016-2	4.802	4.704	4.904	526.450	500.000	5.3
Aroclor-1016-3	4.858	4.761	4.961	529.370	500.000	5.9
Aroclor-1016-4	4.979	4.881	5.081	518.990	500.000	3.8
Aroclor-1016-5	5.236	5.139	5.339	496.090	500.000	-0.8
Aroclor-1260-1	6.277	6.180	6.380	550.160	500.000	10.0
Aroclor-1260-2	6.466	6.369	6.569	508.400	500.000	1.7
Aroclor-1260-3	6.834	6.737	6.937	481.740	500.000	-3.7
Aroclor-1260-4	7.094	6.998	7.198	471.490	500.000	-5.7
Aroclor-1260-5	7.336	7.239	7.439	462.920	500.000	-7.4
Decachlorobiphenyl	8.740	8.645	8.845	54.690	50.000	9.4
Tetrachloro-m-xylene	3.691	3.592	3.792	53.480	50.000	7.0

CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736 SDG NO.: Q1736

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 03/18/2025 03/18/2025

Client Sample No.: CCAL03 Date Analyzed: 04/07/2025

Lab Sample No.: AR1660CCC500 Data File : PO110286.D Time Analyzed: 21:27

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.769	4.672	4.872	512.420	500.000	2.5
Aroclor-1016-2	4.788	4.691	4.891	514.070	500.000	2.8
Aroclor-1016-3	4.964	4.867	5.067	515.160	500.000	3.0
Aroclor-1016-4	5.006	4.909	5.109	469.250	500.000	-6.2
Aroclor-1016-5	5.218	5.122	5.322	514.370	500.000	2.9
Aroclor-1260-1	6.251	6.155	6.355	483.370	500.000	-3.3
Aroclor-1260-2	6.439	6.342	6.542	477.180	500.000	-4.6
Aroclor-1260-3	6.591	6.495	6.695	462.160	500.000	-7.6
Aroclor-1260-4	7.063	6.967	7.167	461.970	500.000	-7.6
Aroclor-1260-5	7.303	7.207	7.407	444.510	500.000	-11.1
Decachlorobiphenyl	8.691	8.596	8.796	48.770	50.000	-2.5
Tetrachloro-m-xylene	3.688	3.590	3.790	53.150	50.000	6.3

Analytical Sequence

Client: G Environmental

SDG No.: Q1736

Project: Stockton

Instrument ID: ECD_O

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 03/18/2025

03/18/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	03/18/2025	13:44	PO109971.D	8.74	3.69
AR1660ICC1000	AR1660ICC1000	03/18/2025	14:03	PO109972.D	8.75	3.69
AR1660ICC750	AR1660ICC750	03/18/2025	14:21	PO109973.D	8.75	3.69
AR1660ICC500	AR1660ICC500	03/18/2025	14:39	PO109974.D	8.75	3.69
AR1660ICC250	AR1660ICC250	03/18/2025	14:58	PO109975.D	8.75	3.69
AR1660ICC050	AR1660ICC050	03/18/2025	15:16	PO109976.D	8.74	3.69
AR1221ICC500	AR1221ICC500	03/18/2025	15:34	PO109977.D	8.74	3.69
AR1232ICC500	AR1232ICC500	03/18/2025	15:53	PO109978.D	8.74	3.69
AR1242ICC1000	AR1242ICC1000	03/18/2025	16:11	PO109979.D	8.74	3.69
AR1242ICC750	AR1242ICC750	03/18/2025	16:30	PO109980.D	8.74	3.69
AR1242ICC500	AR1242ICC500	03/18/2025	16:48	PO109981.D	8.74	3.69
AR1242ICC250	AR1242ICC250	03/18/2025	17:06	PO109982.D	8.74	3.69
AR1242ICC050	AR1242ICC050	03/18/2025	17:25	PO109983.D	8.74	3.69
AR1248ICC1000	AR1248ICC1000	03/18/2025	17:42	PO109984.D	8.74	3.69
AR1248ICC750	AR1248ICC750	03/18/2025	18:00	PO109985.D	8.74	3.69
AR1248ICC500	AR1248ICC500	03/18/2025	18:19	PO109986.D	8.74	3.69
AR1248ICC250	AR1248ICC250	03/18/2025	18:37	PO109987.D	8.74	3.69
AR1248ICC050	AR1248ICC050	03/18/2025	18:54	PO109988.D	8.74	3.69
AR1254ICC1000	AR1254ICC1000	03/18/2025	19:13	PO109989.D	8.74	3.69
AR1254ICC750	AR1254ICC750	03/18/2025	19:31	PO109990.D	8.74	3.69
AR1254ICC500	AR1254ICC500	03/18/2025	19:49	PO109991.D	8.74	3.69
AR1254ICC250	AR1254ICC250	03/18/2025	20:07	PO109992.D	8.74	3.69
AR1254ICC050	AR1254ICC050	03/18/2025	20:25	PO109993.D	8.74	3.69
AR1262ICC500	AR1262ICC500	03/18/2025	20:43	PO109994.D	8.74	3.69
AR1268ICC1000	AR1268ICC1000	03/18/2025	21:02	PO109995.D	8.74	3.69
AR1268ICC750	AR1268ICC750	03/18/2025	21:20	PO109996.D	8.74	3.69
AR1268ICC500	AR1268ICC500	03/18/2025	21:39	PO109997.D	8.74	3.69
AR1268ICC250	AR1268ICC250	03/18/2025	21:57	PO109998.D	8.74	3.69
AR1268ICC050	AR1268ICC050	03/18/2025	22:15	PO109999.D	8.74	3.69
AR1660CCC500	AR1660CCC500	04/07/2025	09:46	PO110263.D	8.74	3.69
IBLK	IBLK	04/07/2025	11:36	PO110267.D	8.74	3.69
OU4-VSL-16-040325MS	Q1730-03MS	04/07/2025	14:15	PO110271.D	8.74	3.69
OU4-VSL-16-040325MSD	Q1730-03MSD	04/07/2025	14:33	PO110272.D	8.74	3.69
GST1	Q1736-01	04/07/2025	14:51	PO110273.D	8.74	3.69
GST2	Q1736-02	04/07/2025	15:10	PO110274.D	8.74	3.69
AR1660CCC500	AR1660CCC500	04/07/2025	17:14	PO110278.D	8.74	3.69
IBLK	IBLK	04/07/2025	19:04	PO110282.D	8.74	3.69
PB167469BL	PB167469BL	04/07/2025	19:22	PO110283.D	8.74	3.69
PB167469BS	PB167469BS	04/07/2025	19:41	PO110284.D	8.74	3.69
AR1660CCC500	AR1660CCC500	04/07/2025	21:27	PO110286.D	8.74	3.69
IBLK	IBLK	04/07/2025	23:17	PO110290.D	8.74	3.69

Analytical Sequence

Client: G Environmental

SDG No.: Q1736

Project: Stockton

Instrument ID: ECD_O

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 03/18/2025 03/18/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	03/18/2025	13:44	PO109971.D	8.70	3.69
AR1660ICC1000	AR1660ICC1000	03/18/2025	14:03	PO109972.D	8.70	3.69
AR1660ICC750	AR1660ICC750	03/18/2025	14:21	PO109973.D	8.70	3.69
AR1660ICC500	AR1660ICC500	03/18/2025	14:39	PO109974.D	8.70	3.69
AR1660ICC250	AR1660ICC250	03/18/2025	14:58	PO109975.D	8.70	3.69
AR1660ICC050	AR1660ICC050	03/18/2025	15:16	PO109976.D	8.70	3.69
AR1221ICC500	AR1221ICC500	03/18/2025	15:34	PO109977.D	8.70	3.69
AR1232ICC500	AR1232ICC500	03/18/2025	15:53	PO109978.D	8.70	3.69
AR1242ICC1000	AR1242ICC1000	03/18/2025	16:11	PO109979.D	8.70	3.69
AR1242ICC750	AR1242ICC750	03/18/2025	16:30	PO109980.D	8.70	3.69
AR1242ICC500	AR1242ICC500	03/18/2025	16:48	PO109981.D	8.70	3.69
AR1242ICC250	AR1242ICC250	03/18/2025	17:06	PO109982.D	8.70	3.69
AR1242ICC050	AR1242ICC050	03/18/2025	17:25	PO109983.D	8.70	3.69
AR1248ICC1000	AR1248ICC1000	03/18/2025	17:42	PO109984.D	8.70	3.69
AR1248ICC750	AR1248ICC750	03/18/2025	18:00	PO109985.D	8.70	3.69
AR1248ICC500	AR1248ICC500	03/18/2025	18:19	PO109986.D	8.70	3.69
AR1248ICC250	AR1248ICC250	03/18/2025	18:37	PO109987.D	8.70	3.69
AR1248ICC050	AR1248ICC050	03/18/2025	18:54	PO109988.D	8.70	3.69
AR1254ICC1000	AR1254ICC1000	03/18/2025	19:13	PO109989.D	8.69	3.69
AR1254ICC750	AR1254ICC750	03/18/2025	19:31	PO109990.D	8.70	3.69
AR1254ICC500	AR1254ICC500	03/18/2025	19:49	PO109991.D	8.70	3.69
AR1254ICC250	AR1254ICC250	03/18/2025	20:07	PO109992.D	8.70	3.69
AR1254ICC050	AR1254ICC050	03/18/2025	20:25	PO109993.D	8.69	3.69
AR1262ICC500	AR1262ICC500	03/18/2025	20:43	PO109994.D	8.70	3.69
AR1268ICC1000	AR1268ICC1000	03/18/2025	21:02	PO109995.D	8.70	3.69
AR1268ICC750	AR1268ICC750	03/18/2025	21:20	PO109996.D	8.70	3.69
AR1268ICC500	AR1268ICC500	03/18/2025	21:39	PO109997.D	8.69	3.69
AR1268ICC250	AR1268ICC250	03/18/2025	21:57	PO109998.D	8.70	3.69
AR1268ICC050	AR1268ICC050	03/18/2025	22:15	PO109999.D	8.70	3.69
AR1660CCC500	AR1660CCC500	04/07/2025	09:46	PO110263.D	8.69	3.69
IBLK	IBLK	04/07/2025	11:36	PO110267.D	8.69	3.69
OU4-VSL-16-040325MS	Q1730-03MS	04/07/2025	14:15	PO110271.D	8.69	3.69
OU4-VSL-16-040325MSD	Q1730-03MSD	04/07/2025	14:33	PO110272.D	8.69	3.69
GST1	Q1736-01	04/07/2025	14:51	PO110273.D	8.69	3.69
GST2	Q1736-02	04/07/2025	15:10	PO110274.D	8.69	3.69
AR1660CCC500	AR1660CCC500	04/07/2025	17:14	PO110278.D	8.69	3.69
IBLK	IBLK	04/07/2025	19:04	PO110282.D	8.69	3.69
PB167469BL	PB167469BL	04/07/2025	19:22	PO110283.D	8.69	3.69
PB167469BS	PB167469BS	04/07/2025	19:41	PO110284.D	8.69	3.69
AR1660CCC500	AR1660CCC500	04/07/2025	21:27	PO110286.D	8.69	3.69
IBLK	IBLK	04/07/2025	23:17	PO110290.D	8.69	3.69

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

OU4-VSL-16-040325MS

Contract: GENV01

Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736 SDG NO.: Q1736

Lab Sample ID: Q1730-03MS Date(s) Analyzed: 04/07/2025 04/07/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column: (2): ZB-MR2 ID: 0.32 (mm)

Data file PO110271.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.782	4.732	4.832	171	170	3.59
COLUMN 1	2	4.802	4.752	4.852	172		
	3	4.858	4.808	4.908	172		
	4	4.978	4.928	5.028	171		
	5	5.236	5.186	5.286	163		
	1	4.768	4.718	4.818	166		
COLUMN 2	2	4.787	4.737	4.837	166	164	
	3	4.963	4.913	5.013	166		
	4	5.005	4.955	5.055	163		
	5	5.218	5.168	5.268	159		
Aroclor-1260	1	6.276	6.226	6.326	178	157	3.9
COLUMN 1	2	6.466	6.416	6.516	169		
	3	6.833	6.783	6.883	144		
	4	7.094	7.044	7.144	152		
	5	7.335	7.285	7.385	141		
	1	6.25	6.2	6.3	164	151	
COLUMN 2	2	6.438	6.388	6.488	160		
	3	6.591	6.541	6.641	155		
	4	7.062	7.012	7.112	142		
	5	7.303	7.253	7.353	133		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

OU4-VSL-16-040325MSI

Contract: GENV01

Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736 SDG NO.: Q1736

Lab Sample ID: Q1730-03MSD Date(s) Analyzed: 04/07/2025 04/07/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column: (2): ZB-MR2 ID: 0.32 (mm)

Data file PO110272.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.782	4.732	4.832	163	164	3.73
COLUMN 1	2	4.801	4.751	4.851	167		
	3	4.857	4.807	4.907	167		
	4	4.978	4.928	5.028	166		
	5	5.235	5.185	5.285	159		
	1	4.768	4.718	4.818	159		
COLUMN 2	2	4.788	4.738	4.838	160	158	
	3	4.963	4.913	5.013	160		
	4	5.005	4.955	5.055	157		
	5	5.217	5.167	5.267	154		
Aroclor-1260	1	6.276	6.226	6.326	169	153	4.68
COLUMN 1	2	6.466	6.416	6.516	163		
	3	6.833	6.783	6.883	143		
	4	7.093	7.043	7.143	150		
	5	7.335	7.285	7.385	138		
	1	6.25	6.2	6.3	159		
COLUMN 2	2	6.438	6.388	6.488	156	146	
	3	6.59	6.54	6.64	150		
	4	7.061	7.011	7.111	138		
	5	7.302	7.252	7.352	129		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB167469BS

Contract: GENV01

Lab Code: CHEM

Case No.: Q1736

SAS No.: Q1736

SDG NO.: Q1736

Lab Sample ID: PB167469BS

Date(s) Analyzed: 04/07/2025

04/07/2025

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm)

GC Column: (2): ZB-MR2 ID: 0.32 (mm)

Data file PO110284.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.782	4.732	4.832	141	141	5.09
COLUMN 1	2	4.802	4.752	4.852	143		
	3	4.858	4.808	4.908	142		
	4	4.978	4.928	5.028	142		
	5	5.236	5.186	5.286	138		
	1	4.769	4.719	4.819	136		
COLUMN 2	2	4.788	4.738	4.838	134	134	
	3	4.964	4.914	5.014	136		
	4	5.005	4.955	5.055	135		
	5	5.218	5.168	5.268	131		
Aroclor-1260	1	6.277	6.227	6.327	149	134	4.58
COLUMN 1	2	6.465	6.415	6.515	141		
	3	6.833	6.783	6.883	119		
	4	7.093	7.043	7.143	131		
	5	7.336	7.286	7.386	129		
	1	6.25	6.2	6.3	140	128	
COLUMN 2	2	6.438	6.388	6.488	138		
	3	6.59	6.54	6.64	133		
	4	7.062	7.012	7.112	119		
	5	7.303	7.253	7.353	113		



SAMPLE RAW DATA

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Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110273.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 14:51
Operator : YP/AJ
Sample : Q1736-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
GST1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 07 16:23:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.691	3.688	138.0E6	78987499	15.161	15.062
2) SA Decachlor...	8.741	8.692	74450560	21138313	9.683	8.713

Target Compounds

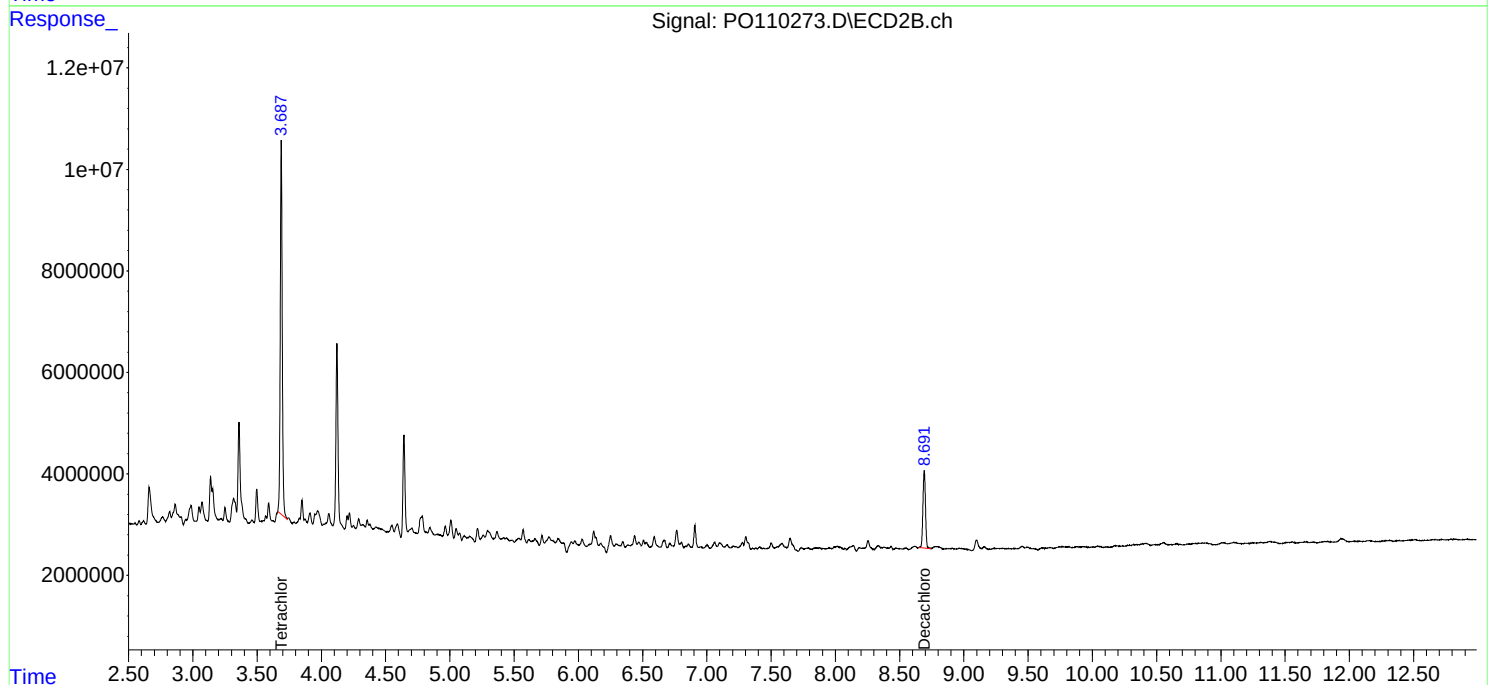
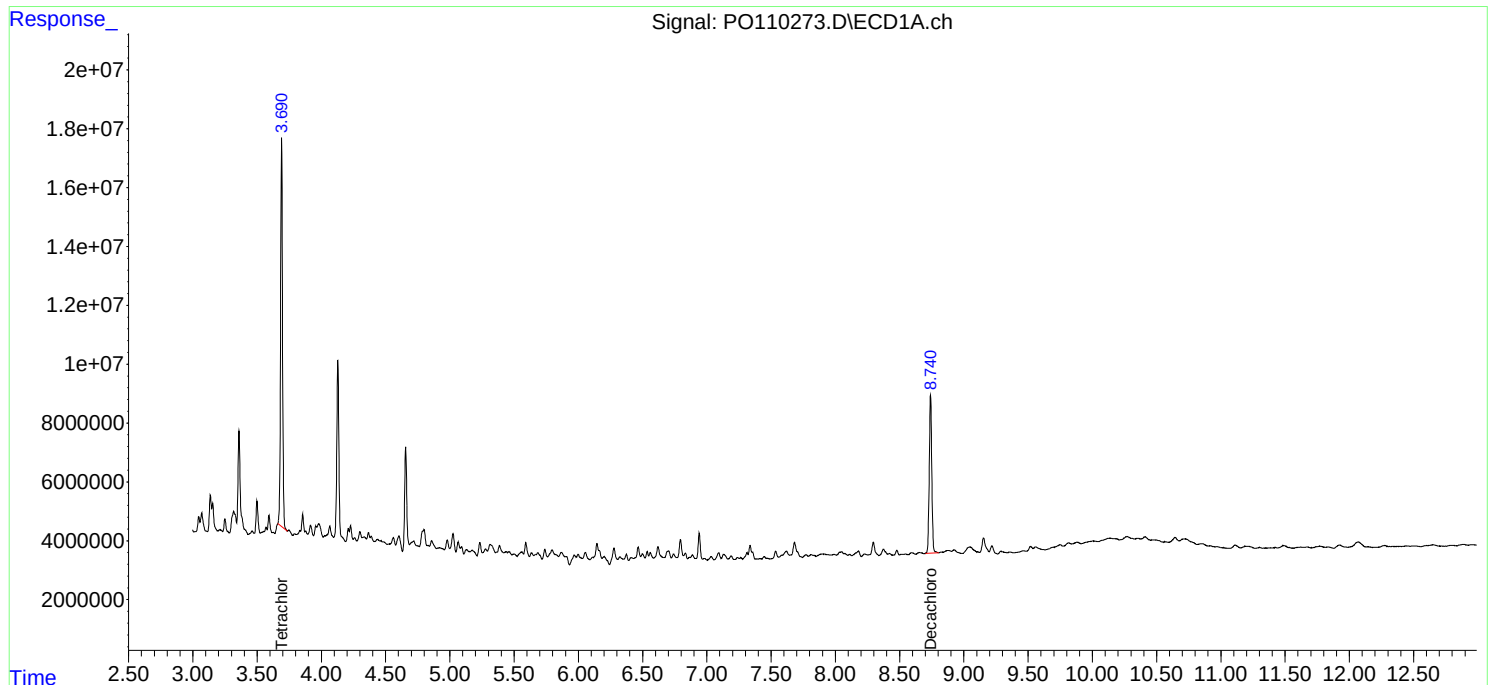
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

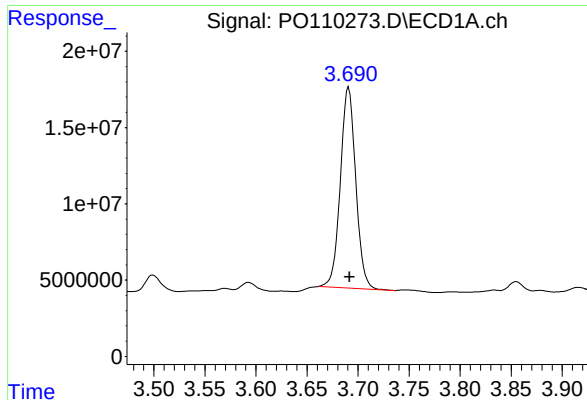
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110273.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 14:51
Operator : YP/AJ
Sample : Q1736-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
GST1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 07 16:23:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

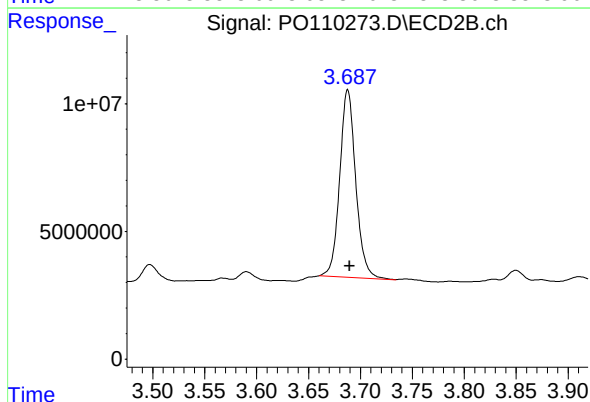




#1 Tetrachloro-m-xylene

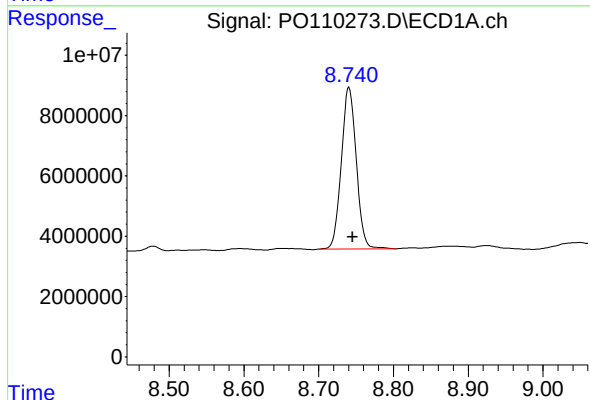
R.T.: 3.691 min
Delta R.T.: -0.001 min
Response: 137986145
Conc: 15.16 ng/ml

Instrument :
ECD_O
ClientSampleId :
GST1



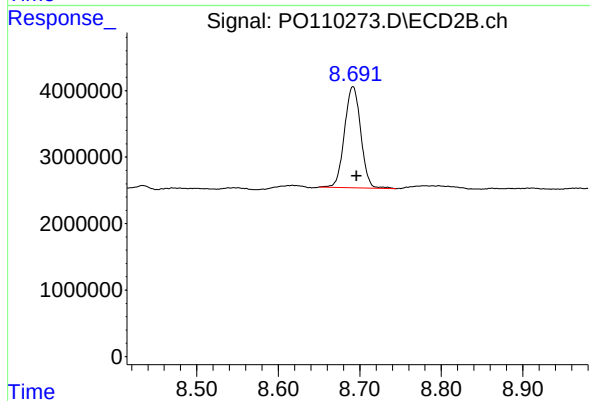
#1 Tetrachloro-m-xylene

R.T.: 3.688 min
Delta R.T.: -0.002 min
Response: 78987499
Conc: 15.06 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.741 min
Delta R.T.: -0.005 min
Response: 74450560
Conc: 9.68 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.692 min
Delta R.T.: -0.004 min
Response: 21138313
Conc: 8.71 ng/ml

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Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
 Data File : PO110274.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Apr 2025 15:10
 Operator : YP/AJ
 Sample : Q1736-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 GST2

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 07 16:24:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Mar 19 02:52:01 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.690	3.688	182.9E6	97720958	20.095	18.634
2) SA Decachlor...	8.741	8.692	114.6E6	32972583	14.911	13.591

Target Compounds

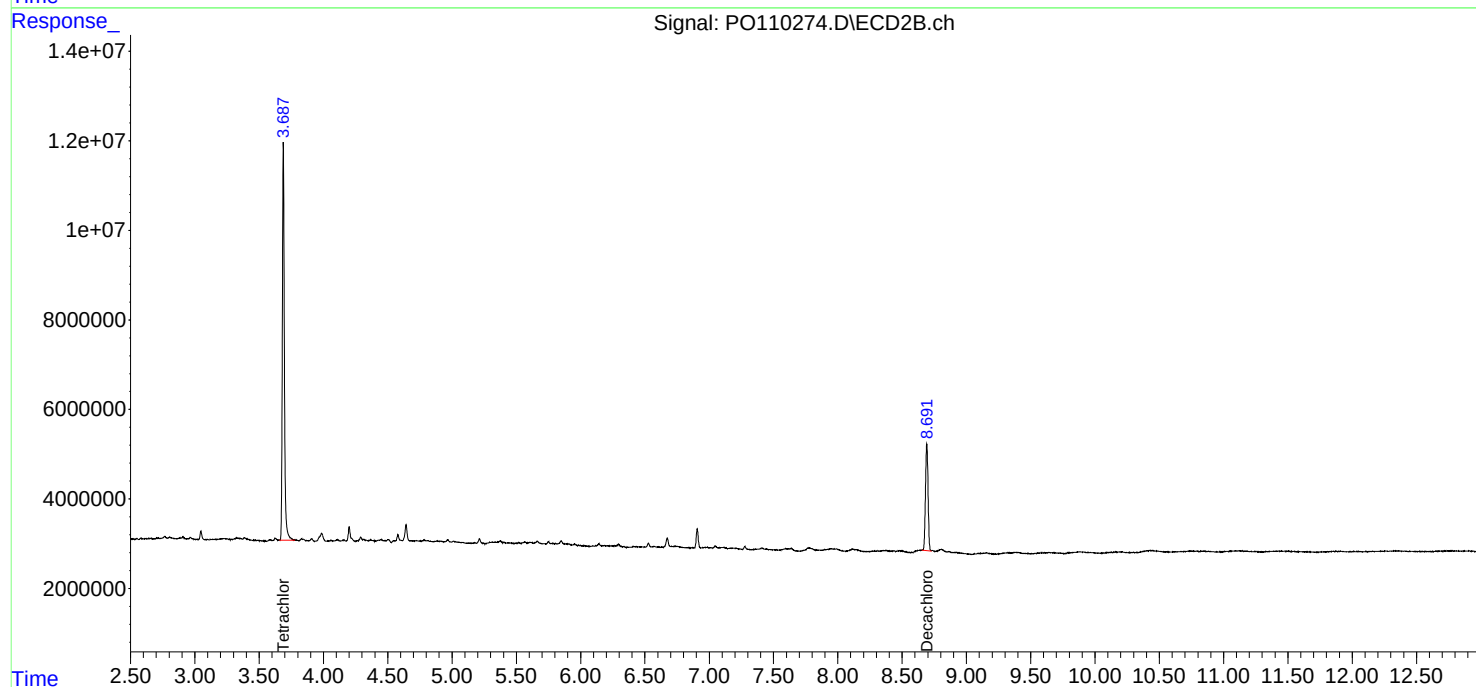
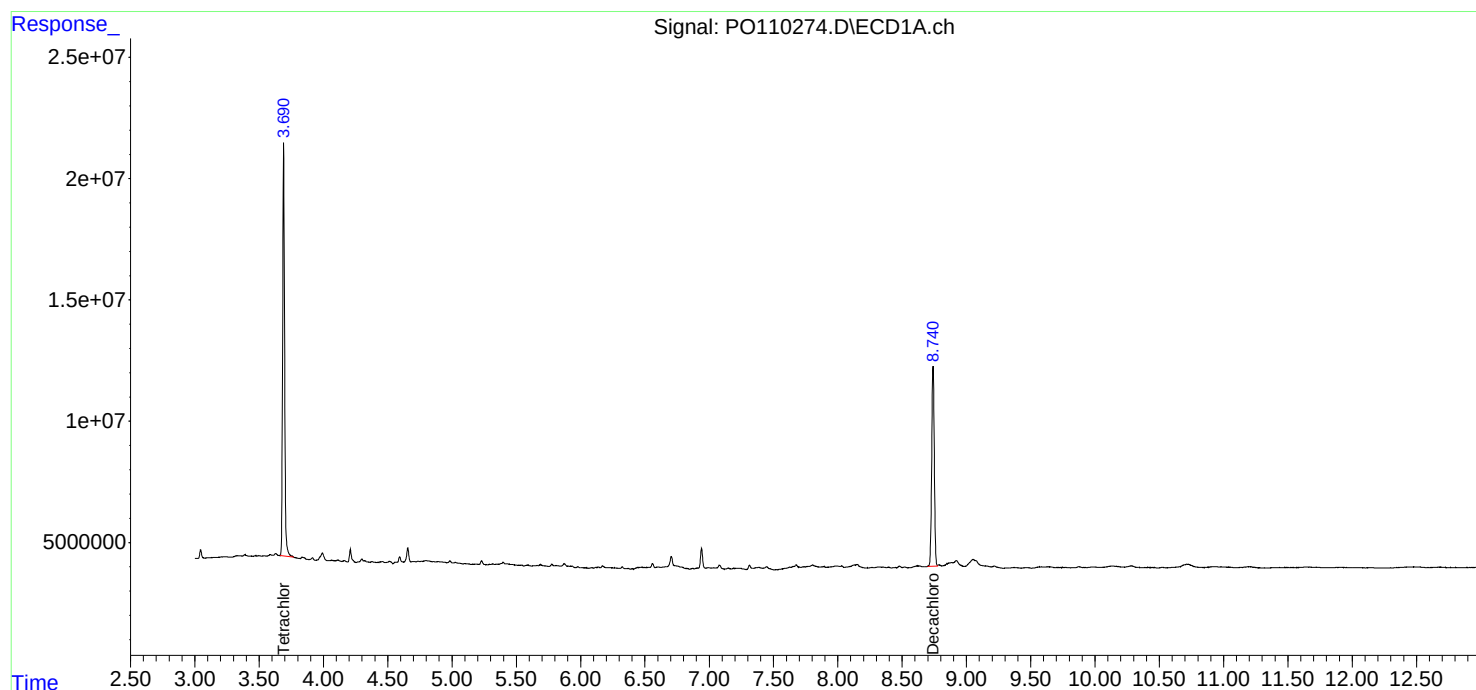
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

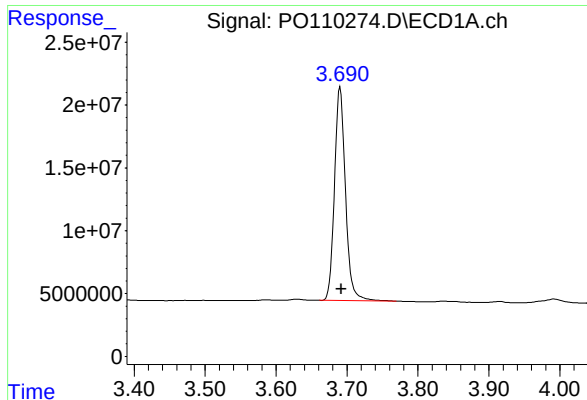
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110274.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 15:10
Operator : YP/AJ
Sample : Q1736-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
GST2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 07 16:24:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

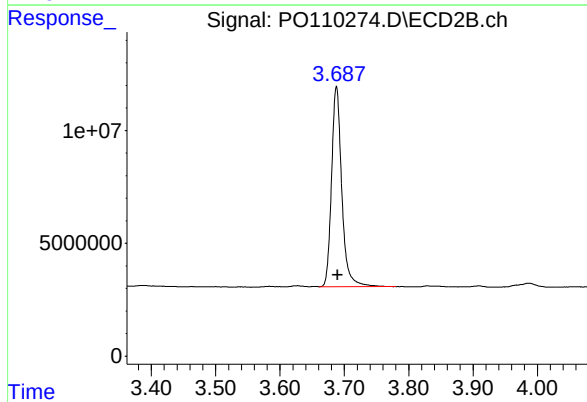




#1 Tetrachloro-m-xylene

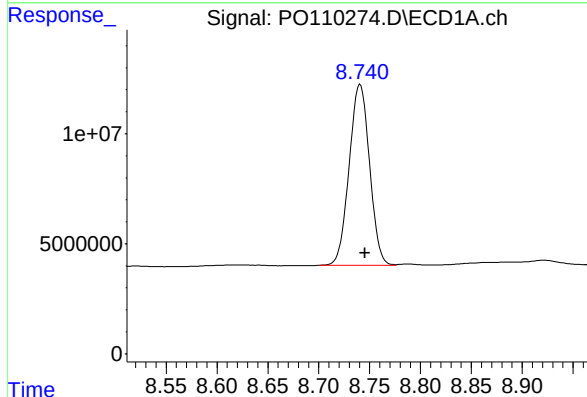
R.T.: 3.690 min
Delta R.T.: -0.002 min
Response: 182892057
Conc: 20.09 ng/ml

Instrument :
ECD_O
ClientSampleId :
GST2



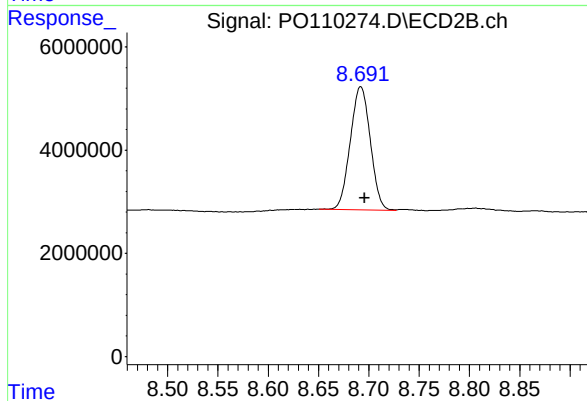
#1 Tetrachloro-m-xylene

R.T.: 3.688 min
Delta R.T.: -0.002 min
Response: 97720958
Conc: 18.63 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.741 min
Delta R.T.: -0.005 min
Response: 114647248
Conc: 14.91 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.692 min
Delta R.T.: -0.004 min
Response: 32972583
Conc: 13.59 ng/ml

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Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
 Data File : PO110283.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Apr 2025 19:22
 Operator : YP/AJ
 Sample : PB167469BL
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 PB167469BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 01:35:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Mar 19 02:52:01 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.691	3.688	173.1E6	95749355	19.020	18.259
2) SA Decachlor...	8.741	8.691	133.0E6	38862706	17.297	16.019

Target Compounds

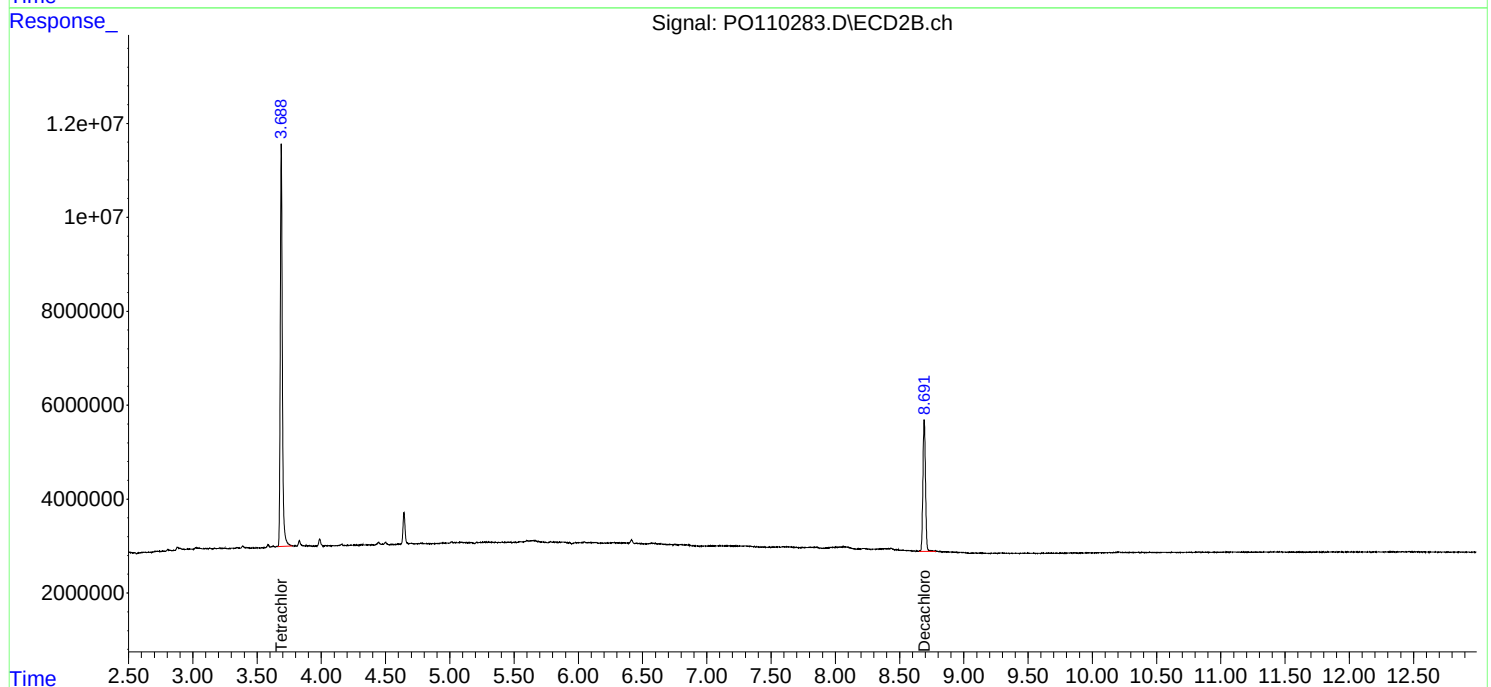
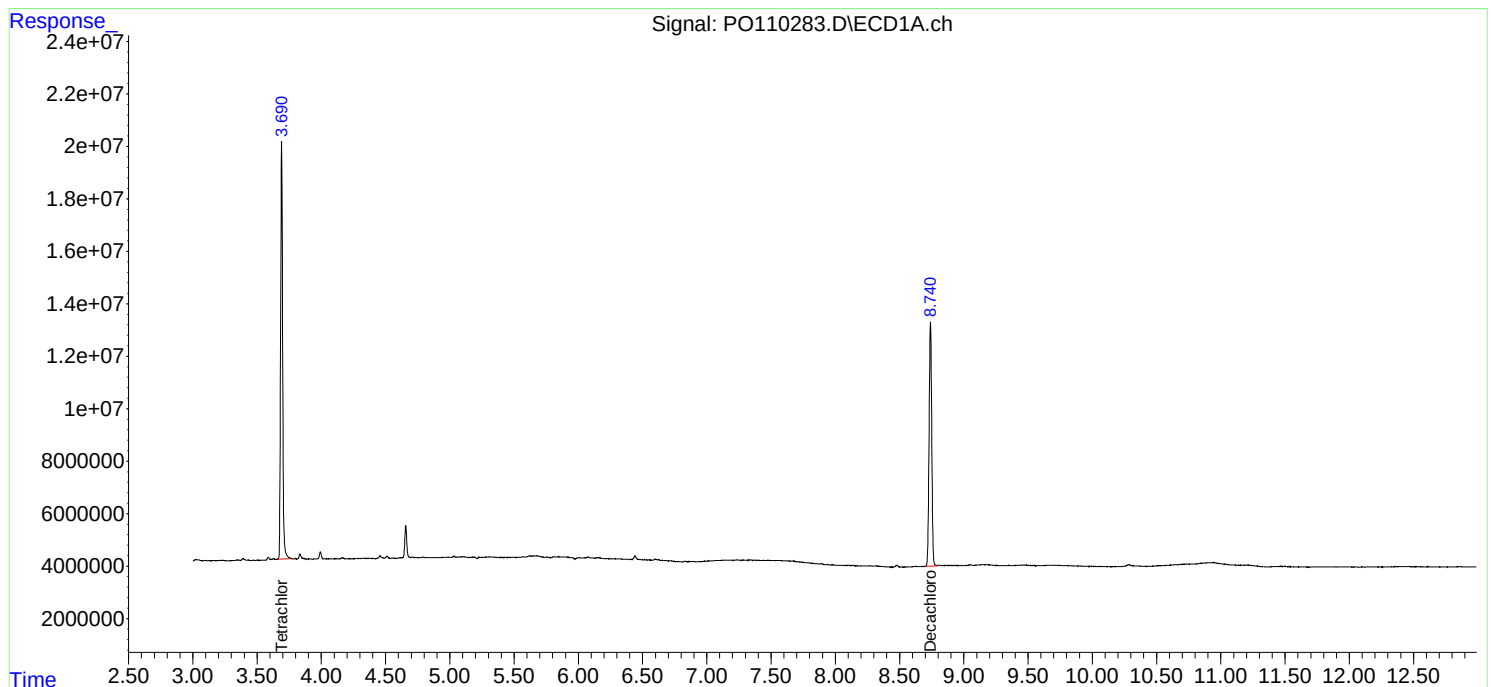
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

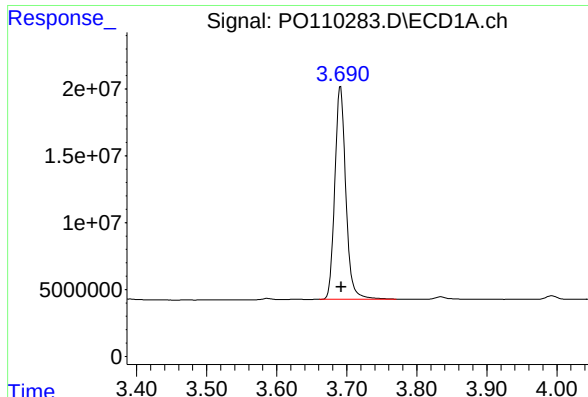
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 19:22
Operator : YP/AJ
Sample : PB167469BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB167469BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 01:35:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

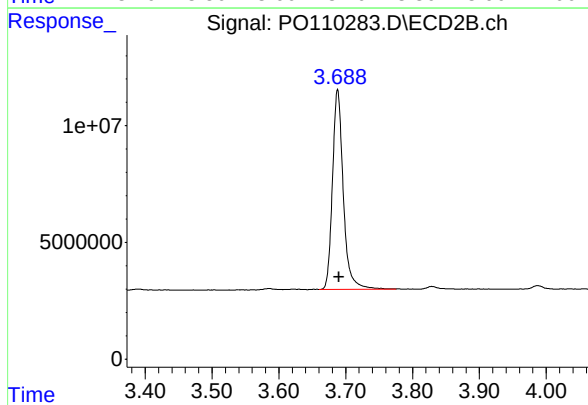




#1 Tetrachloro-m-xylene

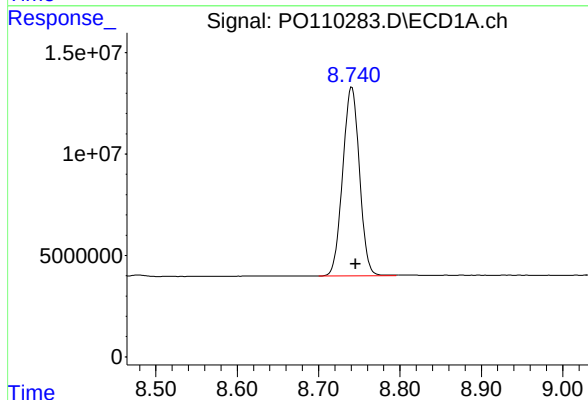
R.T.: 3.691 min
Delta R.T.: 0.000 min
Response: 173109300
Conc: 19.02 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167469BL



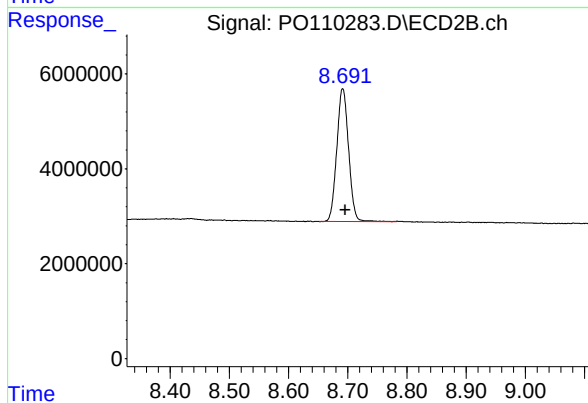
#1 Tetrachloro-m-xylene

R.T.: 3.688 min
Delta R.T.: -0.002 min
Response: 95749355
Conc: 18.26 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.741 min
Delta R.T.: -0.005 min
Response: 132989663
Conc: 17.30 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.691 min
Delta R.T.: -0.004 min
Response: 38862706
Conc: 16.02 ng/ml

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Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0040725\
 Data File : PO110284.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Apr 2025 19:41
 Operator : YP/AJ
 Sample : PB167469BS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 PB167469BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 01:36:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0031925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Mar 19 02:52:01 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.691	3.688	180.6E6	99143578	19.847	18.906
2) SA Decachlor...	8.740	8.691	146.7E6	41863016	19.080	17.255
Target Compounds						
3) L1 AR-1016-1	4.782	4.769	142.0E6	74923264	421.865	408.847
4) L1 AR-1016-2	4.802	4.788	199.0E6	105.5E6	429.173	403.452
5) L1 AR-1016-3	4.858	4.964	137.1E6	57705339	427.778	407.010
6) L1 AR-1016-4	4.978	5.005	107.7E6	47781418	426.066	405.168
7) L1 AR-1016-5	5.236	5.218	113.5E6	60210398	412.871	393.741
31) L7 AR-1260-1	6.277	6.250	210.2E6	107.2E6	446.044	419.635
32) L7 AR-1260-2	6.465	6.438	251.9E6	124.0E6	422.920	413.030
33) L7 AR-1260-3	6.833	6.590	173.8E6	115.3E6	358.056	399.028
34) L7 AR-1260-4	7.093	7.062	166.9E6	76919777	393.513	357.636
35) L7 AR-1260-5	7.336	7.303	405.0E6	168.5E6	387.245	337.822

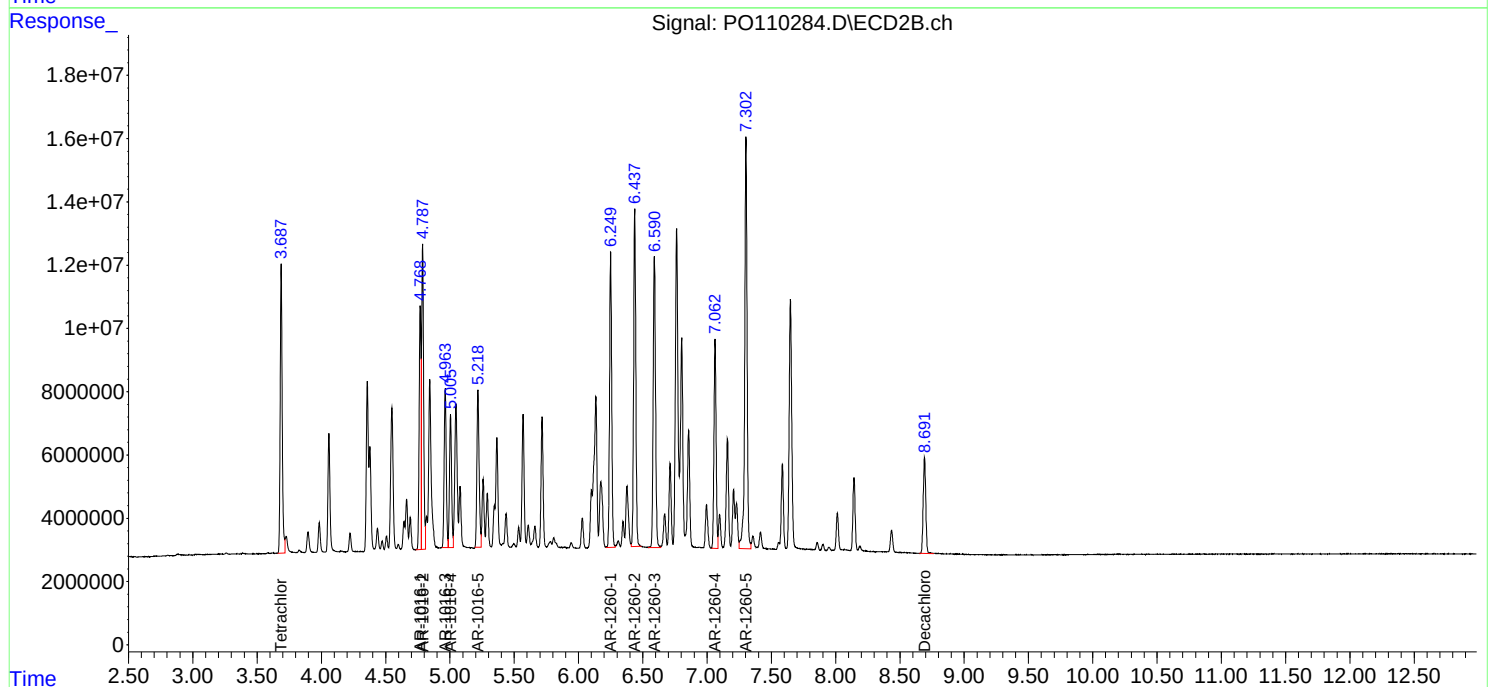
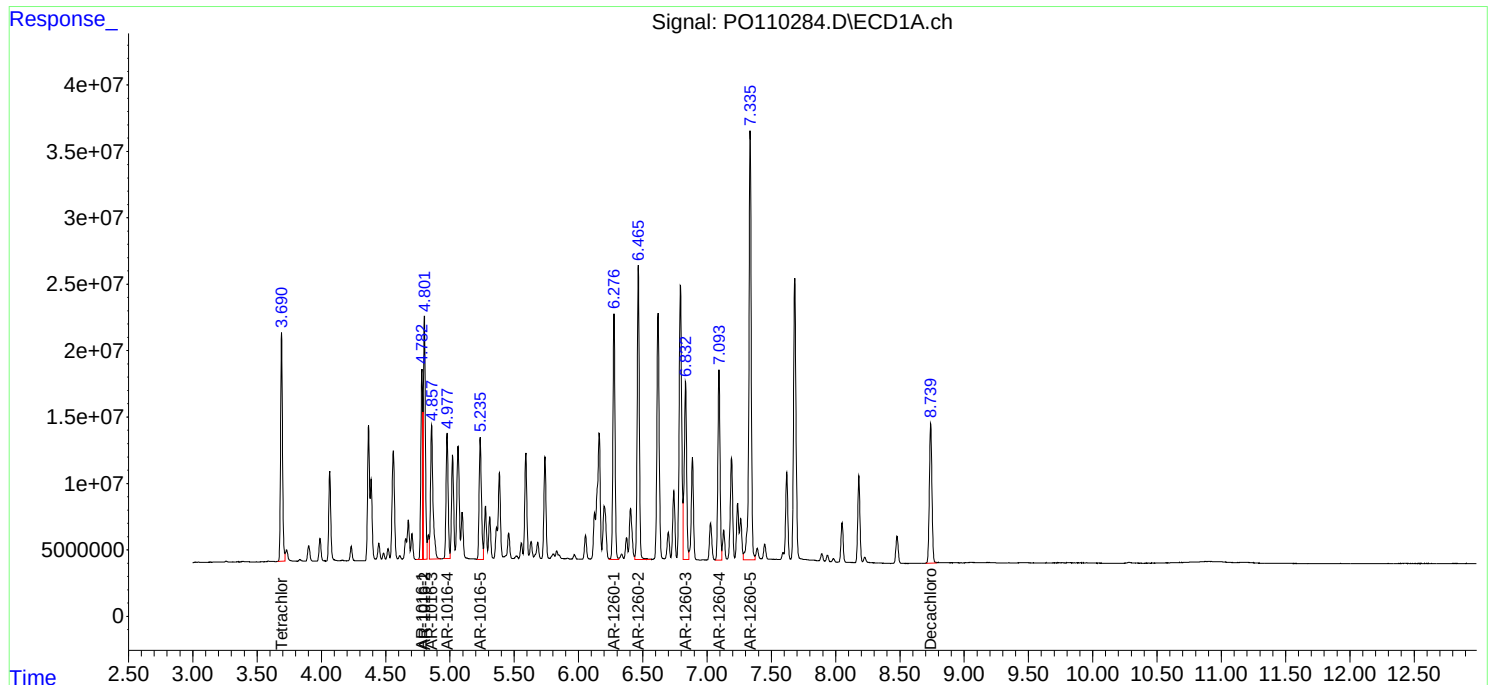
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110284.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 19:41
Operator : YP/AJ
Sample : PB167469BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB167469BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 01:36:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



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Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0040725\
 Data File : PO110271.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Apr 2025 14:15
 Operator : YP/AJ
 Sample : Q1730-03MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 OU4-VSL-16-040325MS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 07 14:28:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0031925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Mar 19 02:52:01 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.690	3.687	207.8E6	114.5E6	22.829	21.843
2) SA Decachlor...	8.740	8.691	160.6E6	43661585	20.882	17.997
Target Compounds						
3) L1 AR-1016-1	4.782	4.768	163.4E6	86371640	485.641	471.320
4) L1 AR-1016-2	4.802	4.787	226.9E6	123.3E6	489.395	471.405
5) L1 AR-1016-3	4.858	4.963	156.9E6	66829797	489.339	471.367
6) L1 AR-1016-4	4.978	5.005	122.7E6	54685236	485.623	463.710
7) L1 AR-1016-5	5.236	5.218	127.1E6	69082264	462.402	451.758
31) L7 AR-1260-1	6.276	6.250	237.9E6	119.0E6	504.637	465.860
32) L7 AR-1260-2	6.466	6.438	285.8E6	136.5E6	479.876	454.662
33) L7 AR-1260-3	6.833	6.591	199.0E6	126.8E6	409.960	438.894
34) L7 AR-1260-4	7.094	7.062	183.3E6	86758507	432.156	403.381
35) L7 AR-1260-5	7.335	7.303	418.2E6	188.7E6	399.895	378.330

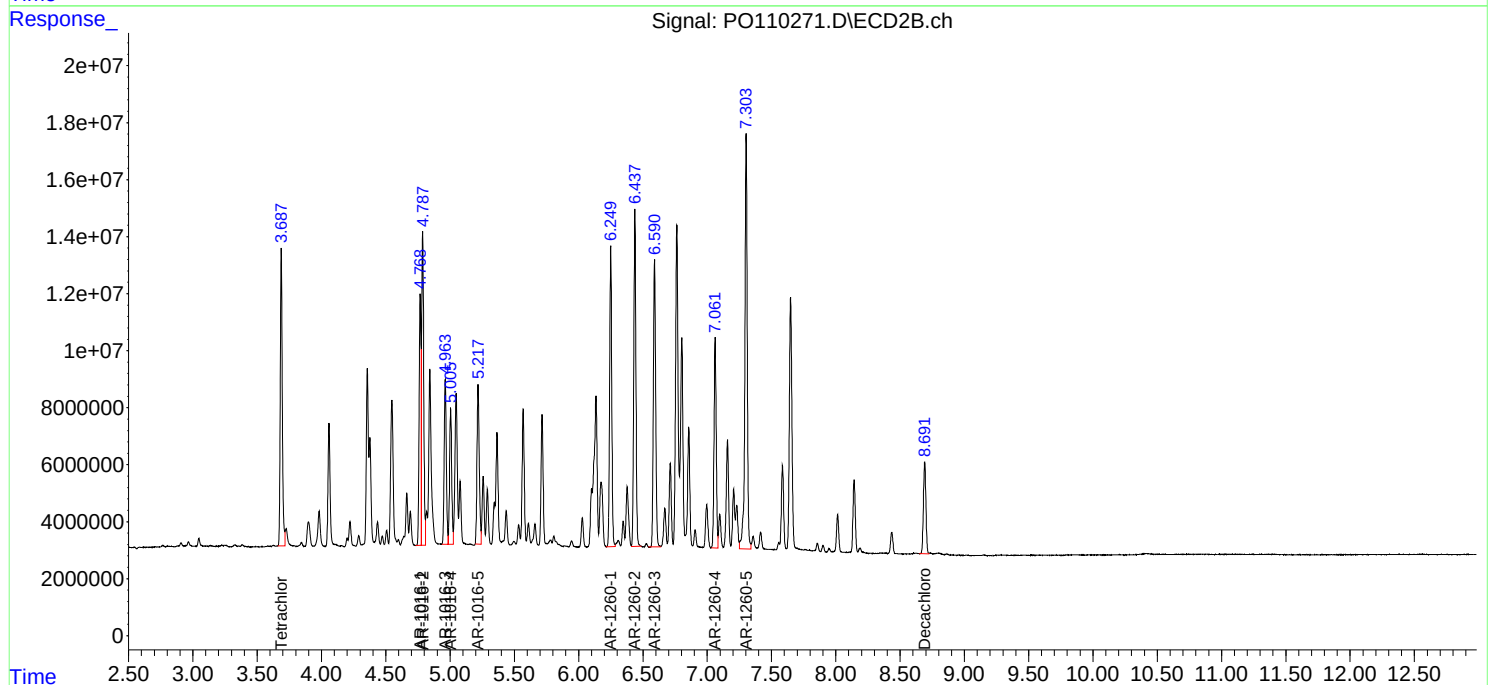
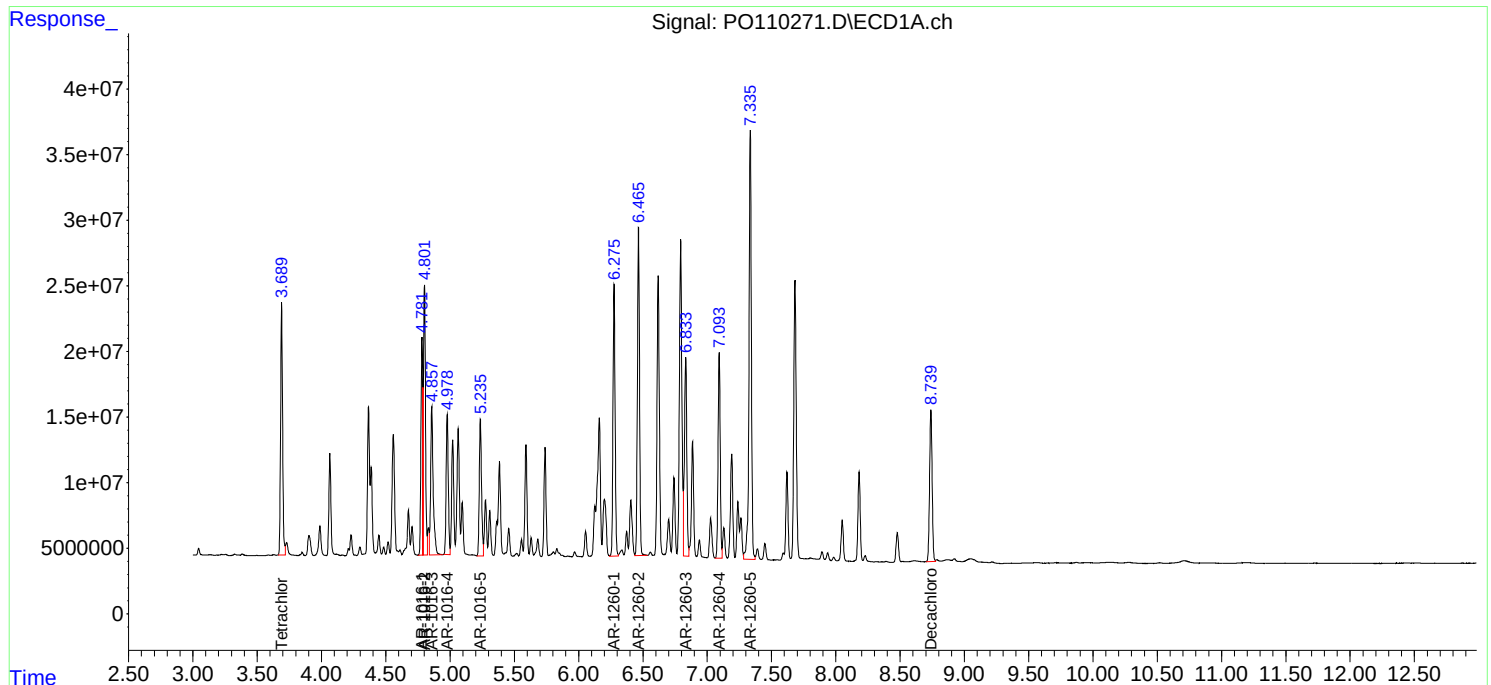
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 14:15
Operator : YP/AJ
Sample : Q1730-03MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-16-040325MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 07 14:28:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



6

A

B

C

D

E

F

G

H

I

J

K

L

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0040725\
 Data File : PO110272.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Apr 2025 14:33
 Operator : YP/AJ
 Sample : Q1730-03MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 OU4-VSL-16-040325MSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 07 14:58:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0031925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Mar 19 02:52:01 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.690	3.687	196.9E6	109.1E6	21.633	20.795
2) SA Decachlor...	8.739	8.690	152.2E6	41848584	19.800	17.249
Target Compounds						
3) L1 AR-1016-1	4.782	4.768	156.1E6	82580554	463.781	450.632
4) L1 AR-1016-2	4.801	4.788	219.3E6	118.8E6	472.954	454.443
5) L1 AR-1016-3	4.857	4.963	151.9E6	64490825	473.697	454.870
6) L1 AR-1016-4	4.978	5.005	118.8E6	52631687	470.083	446.297
7) L1 AR-1016-5	5.235	5.217	123.9E6	66656091	450.663	435.892
31) L7 AR-1260-1	6.276	6.250	225.9E6	115.3E6	479.366	451.204
32) L7 AR-1260-2	6.466	6.438	276.1E6	132.5E6	463.567	441.258
33) L7 AR-1260-3	6.833	6.590	196.5E6	122.9E6	404.805	425.130
34) L7 AR-1260-4	7.093	7.061	180.2E6	84267581	424.947	391.799
35) L7 AR-1260-5	7.335	7.302	409.9E6	182.8E6	391.944	366.611

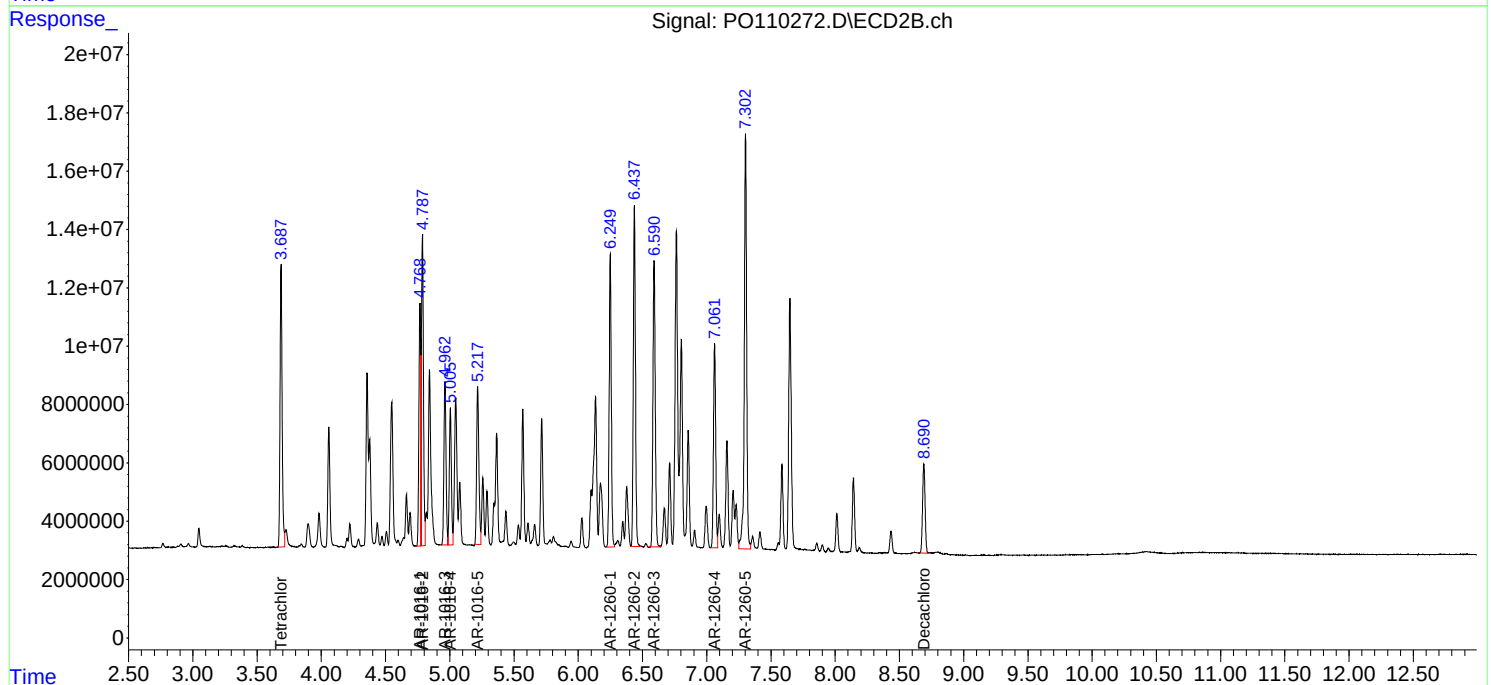
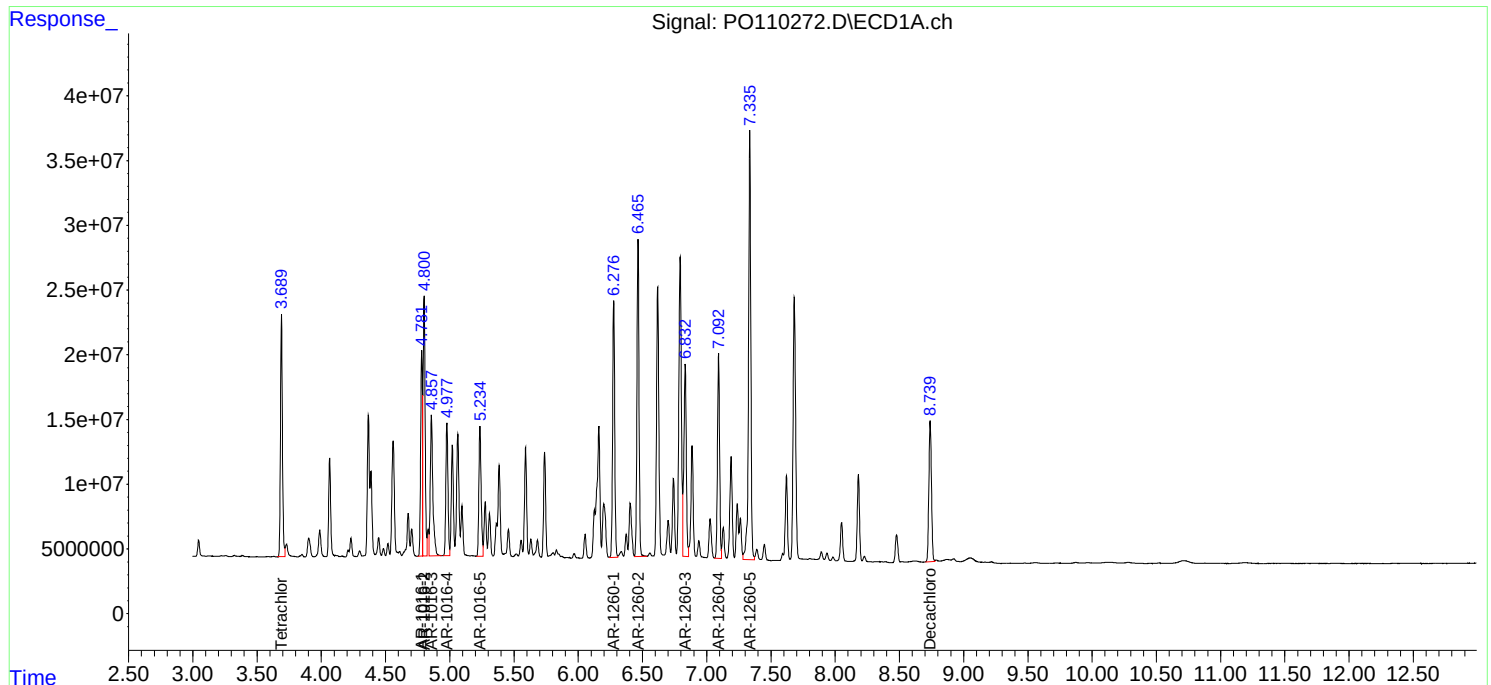
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110272.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 14:33
Operator : YP/AJ
Sample : Q1730-03MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-16-040325MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 07 14:58:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Manual Integration Report

Sequence:	PO031925	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC750	PO109973.D	AR-1260-5 #2	yogesh	3/19/2025 8:01:07 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1660ICC050	PO109976.D	AR-1260-1	yogesh	3/19/2025 8:01:25 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1660ICC050	PO109976.D	AR-1260-1 #2	yogesh	3/19/2025 8:01:25 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1660ICC050	PO109976.D	AR-1260-3 #2	yogesh	3/19/2025 8:01:25 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1242ICC050	PO109983.D	AR-1242-3 #2	yogesh	3/19/2025 8:01:09 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1242ICC050	PO109983.D	AR-1242-4	yogesh	3/19/2025 8:01:09 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1242ICC050	PO109983.D	AR-1242-5	yogesh	3/19/2025 8:01:09 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1242ICC050	PO109983.D	AR-1242-5 #2	yogesh	3/19/2025 8:01:09 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1242ICC050	PO109983.D	Tetrachloro-m-xylene	yogesh	3/19/2025 8:01:09 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1242ICC050	PO109983.D	Tetrachloro-m-xylene #2	yogesh	3/19/2025 8:01:09 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1248ICC050	PO109988.D	AR-1248-3	yogesh	3/19/2025 8:01:10 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1248ICC050	PO109988.D	AR-1248-4 #2	yogesh	3/19/2025 8:01:10 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1254ICC050	PO109993.D	AR-1254-5 #2	yogesh	3/19/2025 8:01:12 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software

Manual Integration Report

Sequence:	PO031925	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1268ICC500	PO109997.D	AR-1268-1	yogesh	3/19/2025 8:01:13 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1268ICC250	PO109998.D	AR-1268-1	yogesh	3/19/2025 8:01:15 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1268ICC050	PO109999.D	AR-1268-1	yogesh	3/19/2025 8:01:16 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1268ICC050	PO109999.D	AR-1268-4	yogesh	3/19/2025 8:01:16 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1268ICC050	PO109999.D	Tetrachloro-m-xylene	yogesh	3/19/2025 8:01:16 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software
AR1268ICC050	PO109999.D	Tetrachloro-m-xylene #2	yogesh	3/19/2025 8:01:16 AM	mohammad	3/24/2025 3:02:46	Peak Integrated by Software

Manual Integration Report

Sequence:	PO040725	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO110286.D	AR-1016-5	yogesh	4/8/2025 7:46:34 AM	mohammad	4/9/2025 2:57:57	Peak Integrated by Software
AR1660CCC500	PO110286.D	AR-1016-5 #2	yogesh	4/8/2025 7:46:34 AM	mohammad	4/9/2025 2:57:57	Peak Integrated by Software

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO031925

Review By	yogesh	Review On	3/18/2025 3:19:21 PM
Supervise By	mohammad	Supervise On	3/24/2025 3:02:46 AM
SubDirectory	PO031925	HP Acquire Method	HP Processing Method PO031925
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO109970.D	18 Mar 2025 13:26	YP/AJ	Ok
2	I.BLK	PO109971.D	18 Mar 2025 13:44	YP/AJ	Ok
3	AR1660ICC1000	PO109972.D	18 Mar 2025 14:03	YP/AJ	Ok
4	AR1660ICC750	PO109973.D	18 Mar 2025 14:21	YP/AJ	Ok,M
5	AR1660ICC500	PO109974.D	18 Mar 2025 14:39	YP/AJ	Ok
6	AR1660ICC250	PO109975.D	18 Mar 2025 14:58	YP/AJ	Ok
7	AR1660ICC050	PO109976.D	18 Mar 2025 15:16	YP/AJ	Ok,M
8	AR1221ICC500	PO109977.D	18 Mar 2025 15:34	YP/AJ	Ok
9	AR1232ICC500	PO109978.D	18 Mar 2025 15:53	YP/AJ	Ok
10	AR1242ICC1000	PO109979.D	18 Mar 2025 16:11	YP/AJ	Ok
11	AR1242ICC750	PO109980.D	18 Mar 2025 16:30	YP/AJ	Ok
12	AR1242ICC500	PO109981.D	18 Mar 2025 16:48	YP/AJ	Ok
13	AR1242ICC250	PO109982.D	18 Mar 2025 17:06	YP/AJ	Ok
14	AR1242ICC050	PO109983.D	18 Mar 2025 17:25	YP/AJ	Ok,M
15	AR1248ICC1000	PO109984.D	18 Mar 2025 17:42	YP/AJ	Ok
16	AR1248ICC750	PO109985.D	18 Mar 2025 18:00	YP/AJ	Ok
17	AR1248ICC500	PO109986.D	18 Mar 2025 18:19	YP/AJ	Ok
18	AR1248ICC250	PO109987.D	18 Mar 2025 18:37	YP/AJ	Ok
19	AR1248ICC050	PO109988.D	18 Mar 2025 18:54	YP/AJ	Ok,M
20	AR1254ICC1000	PO109989.D	18 Mar 2025 19:13	YP/AJ	Ok
21	AR1254ICC750	PO109990.D	18 Mar 2025 19:31	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO031925

Review By	yogesh	Review On	3/18/2025 3:19:21 PM
Supervise By	mohammad	Supervise On	3/24/2025 3:02:46 AM
SubDirectory	PO031925	HP Acquire Method	HP Processing Method PO031925
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	AR1254ICC500	PO109991.D	18 Mar 2025 19:49	YP/AJ	Ok
23	AR1254ICC250	PO109992.D	18 Mar 2025 20:07	YP/AJ	Ok
24	AR1254ICC050	PO109993.D	18 Mar 2025 20:25	YP/AJ	Ok,M
25	AR1262ICC500	PO109994.D	18 Mar 2025 20:43	YP/AJ	Ok
26	AR1268ICC1000	PO109995.D	18 Mar 2025 21:02	YP/AJ	Ok
27	AR1268ICC750	PO109996.D	18 Mar 2025 21:20	YP/AJ	Ok
28	AR1268ICC500	PO109997.D	18 Mar 2025 21:39	YP/AJ	Ok,M
29	AR1268ICC250	PO109998.D	18 Mar 2025 21:57	YP/AJ	Ok,M
30	AR1268ICC050	PO109999.D	18 Mar 2025 22:15	YP/AJ	Ok,M
31	PO031925ICV500	PO110000.D	18 Mar 2025 22:34	YP/AJ	Ok
32	AR1242ICV500	PO110001.D	18 Mar 2025 23:47	YP/AJ	Ok
33	AR1248ICV500	PO110002.D	19 Mar 2025 00:05	YP/AJ	Ok
34	AR1254ICV500	PO110003.D	19 Mar 2025 00:24	YP/AJ	Ok
35	AR1268ICV500	PO110004.D	19 Mar 2025 00:42	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO040725

Review By	yogesh	Review On	4/7/2025 11:16:09 AM
Supervise By	mohammad	Supervise On	4/9/2025 2:57:57 AM
SubDirectory	PO040725	HP Acquire Method	HP Processing Method PO031925
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO110262.D	07 Apr 2025 09:08	YP/AJ	Ok
2	AR1660CCC500	PO110263.D	07 Apr 2025 09:46	YP/AJ	Ok
3	AR1242CCC500	PO110264.D	07 Apr 2025 10:05	YP/AJ	Ok
4	AR1248CCC500	PO110265.D	07 Apr 2025 10:23	YP/AJ	Ok
5	AR1254CCC500	PO110266.D	07 Apr 2025 11:18	YP/AJ	Ok
6	I.BLK	PO110267.D	07 Apr 2025 11:36	YP/AJ	Ok
7	Q1723-04DL	PO110268.D	07 Apr 2025 12:14	YP/AJ	Ok
8	Q1730-01	PO110269.D	07 Apr 2025 13:38	YP/AJ	Ok
9	Q1730-03	PO110270.D	07 Apr 2025 13:56	YP/AJ	Ok
10	Q1730-03MS	PO110271.D	07 Apr 2025 14:15	YP/AJ	Ok
11	Q1730-03MSD	PO110272.D	07 Apr 2025 14:33	YP/AJ	Ok
12	Q1736-01	PO110273.D	07 Apr 2025 14:51	YP/AJ	Ok
13	Q1736-02	PO110274.D	07 Apr 2025 15:10	YP/AJ	Ok
14	Q1737-01	PO110275.D	07 Apr 2025 15:28	YP/AJ	Ok,M
15	Q1733-01	PO110276.D	07 Apr 2025 15:47	YP/AJ	Ok,M
16	Q1735-01	PO110277.D	07 Apr 2025 16:05	YP/AJ	Ok
17	AR1660CCC500	PO110278.D	07 Apr 2025 17:14	YP/AJ	Ok
18	AR1242CCC500	PO110279.D	07 Apr 2025 18:09	YP/AJ	Ok
19	AR1248CCC500	PO110280.D	07 Apr 2025 18:27	YP/AJ	Ok
20	AR1254CCC500	PO110281.D	07 Apr 2025 18:45	YP/AJ	Ok
21	I.BLK	PO110282.D	07 Apr 2025 19:04	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO040725

Review By	yogesh	Review On	4/7/2025 11:16:09 AM
Supervise By	mohammad	Supervise On	4/9/2025 2:57:57 AM
SubDirectory	PO040725	HP Acquire Method	HP Processing Method PO031925
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PB167469BL	PO110283.D	07 Apr 2025 19:22	YP/AJ	Ok
23	PB167469BS	PO110284.D	07 Apr 2025 19:41	YP/AJ	Ok
24	Q1738-01	PO110285.D	07 Apr 2025 19:59	YP/AJ	Ok
25	AR1660CCC500	PO110286.D	07 Apr 2025 21:27	YP/AJ	Ok,M
26	AR1242CCC500	PO110287.D	07 Apr 2025 22:22	YP/AJ	Ok
27	AR1248CCC500	PO110288.D	07 Apr 2025 22:40	YP/AJ	Ok
28	AR1254CCC500	PO110289.D	07 Apr 2025 22:59	YP/AJ	Ok
29	I.BLK	PO110290.D	07 Apr 2025 23:17	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO031925

Review By	yogesh	Review On	3/18/2025 3:19:21 PM		
Supervise By	mohammad	Supervise On	3/24/2025 3:02:46 AM		
SubDirectory	PO031925	HP Acquire Method	HP Processing Method	PO031925	
STD. NAME	STD REF.#				
Tune/Reschk					
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369				
CCC	PP24332,PP24347,PP24352,PP24357				
Internal Standard/PEM					
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO109970.D	18 Mar 2025 13:26		YP/AJ	Ok
2	I.BLK	I.BLK	PO109971.D	18 Mar 2025 13:44		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO109972.D	18 Mar 2025 14:03		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO109973.D	18 Mar 2025 14:21		YP/AJ	Ok,M
5	AR1660ICC500	AR1660ICC500	PO109974.D	18 Mar 2025 14:39		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO109975.D	18 Mar 2025 14:58		YP/AJ	Ok
7	AR1660ICC050	AR1660ICC050	PO109976.D	18 Mar 2025 15:16		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO109977.D	18 Mar 2025 15:34		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO109978.D	18 Mar 2025 15:53		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO109979.D	18 Mar 2025 16:11		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO109980.D	18 Mar 2025 16:30		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO109981.D	18 Mar 2025 16:48		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO109982.D	18 Mar 2025 17:06		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO109983.D	18 Mar 2025 17:25		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO109984.D	18 Mar 2025 17:42		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO109985.D	18 Mar 2025 18:00		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO109986.D	18 Mar 2025 18:19		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO109987.D	18 Mar 2025 18:37		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO031925

Review By	yogesh	Review On	3/18/2025 3:19:21 PM
Supervise By	mohammad	Supervise On	3/24/2025 3:02:46 AM
SubDirectory	PO031925	HP Acquire Method	HP Processing Method PO031925
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248ICC050	AR1248ICC050	PO109988.D	18 Mar 2025 18:54		YP/AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PO109989.D	18 Mar 2025 19:13		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO109990.D	18 Mar 2025 19:31		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO109991.D	18 Mar 2025 19:49		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO109992.D	18 Mar 2025 20:07		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO109993.D	18 Mar 2025 20:25		YP/AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PO109994.D	18 Mar 2025 20:43		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO109995.D	18 Mar 2025 21:02		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO109996.D	18 Mar 2025 21:20		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO109997.D	18 Mar 2025 21:39		YP/AJ	Ok,M
29	AR1268ICC250	AR1268ICC250	PO109998.D	18 Mar 2025 21:57		YP/AJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PO109999.D	18 Mar 2025 22:15		YP/AJ	Ok,M
31	PO031925ICV500	ICVPO031925	PO110000.D	18 Mar 2025 22:34		YP/AJ	Ok
32	AR1242ICV500	ICVPO031925AR1242	PO110001.D	18 Mar 2025 23:47		YP/AJ	Ok
33	AR1248ICV500	ICVPO031925AR1248	PO110002.D	19 Mar 2025 00:05		YP/AJ	Ok
34	AR1254ICV500	ICVPO031925AR1254	PO110003.D	19 Mar 2025 00:24		YP/AJ	Ok
35	AR1268ICV500	ICVPO031925AR1268	PO110004.D	19 Mar 2025 00:42		YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO040725

Review By	yogesh	Review On	4/7/2025 11:16:09 AM
Supervise By	mohammad	Supervise On	4/9/2025 2:57:57 AM
SubDirectory	PO040725	HP Acquire Method	HP Processing Method PO031925
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO110262.D	07 Apr 2025 09:08		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO110263.D	07 Apr 2025 09:46		YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO110264.D	07 Apr 2025 10:05		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO110265.D	07 Apr 2025 10:23		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO110266.D	07 Apr 2025 11:18		YP/AJ	Ok
6	I.BLK	I.BLK	PO110267.D	07 Apr 2025 11:36		YP/AJ	Ok
7	Q1723-04DL	GAS-AUD-25-0037DL	PO110268.D	07 Apr 2025 12:14	AR1254 Hit	YP/AJ	Ok
8	Q1730-01	OU4-VSL-15-040325	PO110269.D	07 Apr 2025 13:38		YP/AJ	Ok
9	Q1730-03	OU4-VSL-16-040325	PO110270.D	07 Apr 2025 13:56		YP/AJ	Ok
10	Q1730-03MS	OU4-VSL-16-040325M	PO110271.D	07 Apr 2025 14:15		YP/AJ	Ok
11	Q1730-03MSD	OU4-VSL-16-040325M	PO110272.D	07 Apr 2025 14:33		YP/AJ	Ok
12	Q1736-01	GST1	PO110273.D	07 Apr 2025 14:51		YP/AJ	Ok
13	Q1736-02	GST2	PO110274.D	07 Apr 2025 15:10		YP/AJ	Ok
14	Q1737-01	RT3069	PO110275.D	07 Apr 2025 15:28	AR1260 hit	YP/AJ	Ok,M
15	Q1733-01	ETGI-328	PO110276.D	07 Apr 2025 15:47		YP/AJ	Ok,M
16	Q1735-01	50660-50661-50662-50663	PO110277.D	07 Apr 2025 16:05		YP/AJ	Ok
17	AR1660CCC500	AR1660CCC500	PO110278.D	07 Apr 2025 17:14		YP/AJ	Ok
18	AR1242CCC500	AR1242CCC500	PO110279.D	07 Apr 2025 18:09		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO040725

Review By	yogesh	Review On	4/7/2025 11:16:09 AM
Supervise By	mohammad	Supervise On	4/9/2025 2:57:57 AM
SubDirectory	PO040725	HP Acquire Method	HP Processing Method PO031925
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248CCC500	AR1248CCC500	PO110280.D	07 Apr 2025 18:27		YP/AJ	Ok
20	AR1254CCC500	AR1254CCC500	PO110281.D	07 Apr 2025 18:45		YP/AJ	Ok
21	I.BLK	I.BLK	PO110282.D	07 Apr 2025 19:04		YP/AJ	Ok
22	PB167469BL	PB167469BL	PO110283.D	07 Apr 2025 19:22		YP/AJ	Ok
23	PB167469BS	PB167469BS	PO110284.D	07 Apr 2025 19:41		YP/AJ	Ok
24	Q1738-01	OK-02-040425	PO110285.D	07 Apr 2025 19:59		YP/AJ	Ok
25	AR1660CCC500	AR1660CCC500	PO110286.D	07 Apr 2025 21:27		YP/AJ	Ok,M
26	AR1242CCC500	AR1242CCC500	PO110287.D	07 Apr 2025 22:22		YP/AJ	Ok
27	AR1248CCC500	AR1248CCC500	PO110288.D	07 Apr 2025 22:40		YP/AJ	Ok
28	AR1254CCC500	AR1254CCC500	PO110289.D	07 Apr 2025 22:59		YP/AJ	Ok
29	I.BLK	I.BLK	PO110290.D	07 Apr 2025 23:17		YP/AJ	Ok

M : Manual Integration

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Weigh By: EH **Extraction By:** RJ

Balance check: RJ **Filter By:** RJ

Balance ID: EX-SC-2 **pH Meter ID:** N/A

pH Strip Lot#: N/A **Hood ID:** 3,7

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Extraction Start Date : 04/07/2025

Extraction Start Time : 08:20

Extraction End Date : 04/07/2025

Extraction End Time : 11:30

Concentration By: EH

Supervisor By : rajesh

Standarded Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24328
Surrogate	1.0ML	200 PPB	PP24217
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2592
Baked Na2SO4	N/A	EP2597
Sand	N/A	E2865
Hexane	N/A	E3916
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721. Q1735-01 Limited volume used as sample is Oily matrix.

KD Bath ID: N/A **Envap ID:** NEVAP-02

KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/07/25	RP (Ext. 243)	Y.p.pes + IPCB
11:35	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 04/07/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167469BL	ABLK469	PCB	30.01	N/A	ritesh	Evelyn	10			U7-1
PB167469BS	ALCS469	PCB	30.02	N/A	ritesh	Evelyn	10			2
Q1730-01	OU4-VSL-15-040325	PCB	30.07	N/A	ritesh	Evelyn	10	E		3
Q1730-03	OU4-VSL-16-040325	PCB	30.03	N/A	ritesh	Evelyn	10	E		4
Q1730-03MS	OU4-VSL-16-040325MS	PCB	30.05	N/A	ritesh	Evelyn	10	E		5
Q1730-03MS D	OU4-VSL-16-040325MSD	PCB	30.02	N/A	ritesh	Evelyn	10	E		6
Q1730-05	OU4-VSL-17-040325	PCB	30.08	N/A	ritesh	Evelyn	10	E		U2-1
Q1730-07	OU4-PCS-TC-21-040325	PCB	30.01	N/A	ritesh	Evelyn	10	E		2
Q1730-09	OU4-PCS-TC-22-040325	PCB	30.02	N/A	ritesh	Evelyn	10	E		3
Q1730-11	OU4-PCS-TC-23-040325	PCB	30.05	N/A	ritesh	Evelyn	10	E		4
Q1730-13	OU4-PCS-TC-24-040325	PCB	30.08	N/A	ritesh	Evelyn	10	E		5
Q1730-15	OU4-PCS-TC-25-040325	PCB	30.06	N/A	ritesh	Evelyn	10	E		6
Q1730-17	OU4-PCS-TC-26-040325	PCB	30.03	N/A	ritesh	Evelyn	10	E		U3-1
Q1730-19	OU4-CF-15-040325	PCB	30.02	N/A	ritesh	Evelyn	10	E		2
Q1732-01	TT-8	PCB	30.04	N/A	ritesh	Evelyn	10	D		3
Q1733-01	ETGI-328	PCB	30.06	N/A	ritesh	Evelyn	10	E	Small Particle	4
Q1735-01	50660-50661-50662-566 3-COMP	PCB	5.06	N/A	ritesh	Evelyn	10	E	Oily Debris	5
Q1736-01	GST1	PCB	30.07	N/A	ritesh	Evelyn	10			6
Q1736-02	GST2	PCB	30.03	N/A	ritesh	Evelyn	10			U6-1
Q1737-01	RT3069	PCB	30.05	N/A	ritesh	Evelyn	10	D		2
Q1738-01	OK-02-040425	PCB	30.01	N/A	ritesh	Evelyn	10	E		3

* Extracts relinquished on the same date as received.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1730

WorkList ID : 188758

Department : Extraction

Date : 04-07-2025 08:14:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1736-01	GST1	Solid	PCB	Cool 4 deg C	GENV01	L21	04/04/2025	8082A
Q1736-02	GST2	Solid	PCB	Cool 4 deg C	GENV01	L21	04/04/2025	8082A
Q1730-01	OU4-VSL-15-040325	Solid	PCB	Cool 4 deg C	NOBI03	L31	04/03/2025	8082A
Q1730-03	OU4-VSL-16-040325	Solid	PCB	Cool 4 deg C	NOBI03	L31	04/03/2025	8082A
Q1730-05	OU4-VSL-17-040325	Solid	PCB	Cool 4 deg C	NOBI03	L31	04/03/2025	8082A
Q1730-07	OU4-PCS-TC-21-040325	Solid	PCB	Cool 4 deg C	NOBI03	L31	04/03/2025	8082A
Q1730-09	OU4-PCS-TC-22-040325	Solid	PCB	Cool 4 deg C	NOBI03	L31	04/03/2025	8082A
Q1730-11	OU4-PCS-TC-23-040325	Solid	PCB	Cool 4 deg C	NOBI03	L31	04/03/2025	8082A
Q1730-13	OU4-PCS-TC-24-040325	Solid	PCB	Cool 4 deg C	NOBI03	L31	04/03/2025	8082A
Q1730-15	OU4-PCS-TC-25-040325	Solid	PCB	Cool 4 deg C	NOBI03	L31	04/03/2025	8082A
Q1730-17	OU4-PCS-TC-26-040325	Solid	PCB	Cool 4 deg C	NOBI03	L31	04/03/2025	8082A
Q1730-19	OU4-CF-15-040325	Solid	PCB	Cool 4 deg C	NOBI03	L31	04/03/2025	8082A
Q1732-01	TT-8	Solid	PCB	Cool 4 deg C	PSEG03	L31	04/03/2025	8082A
Q1733-01	ETGI-328	Solid	PCB	Cool 4 deg C	PSEG03	I31	04/04/2025	8082A
Q1735-01	50660-50661-50662-5663-COM	Solid	PCB	Cool 4 deg C	PSEG03	L31	04/04/2025	8082A
Q1737-01	RT3069	Solid	PCB	Cool 4 deg C	PSEG03	L31	04/04/2025	8082A
Q1738-01	OK-02-040425	Solid	PCB	Cool 4 deg C	PSEG05	L31	04/04/2025	8082A

Date/Time 04/07/25 8:17
 Raw Sample Received by: RJ (Get 105)
 Raw Sample Relinquished by: JD (CSM)

Date/Time 04/07/25 9:00
 Raw Sample Received by: JD (CSM)
 Raw Sample Relinquished by: RJ (Get 105)

LAB CHRONICLE

OrderID:	Q1736	OrderDate:	4/4/2025 1:39:00 PM
Client:	G Environmental	Project:	Stockton
Contact:	Gary Landis	Location:	L21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1736-01	GST1	SOIL	PCB	8082A	04/04/25	04/07/25	04/07/25	04/04/25
Q1736-02	GST2	SOIL	PCB	8082A	04/04/25	04/07/25	04/07/25	04/04/25



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	04/04/25
Project:	Stockton	Date Received:	04/04/25
Client Sample ID:	GST1	SDG No.:	Q1736
Lab Sample ID:	Q1736-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.6
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_F2

Prep Date :	Date Analyzed :	Prep Batch ID
04/07/25 09:40	04/08/25 9:30	PB167477

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28	119		2	2.32	10.2	mg/kg
Total EPH	Total EPH	119			2.32	10.2	mg/kg

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	04/04/25
Project:	Stockton	Date Received:	04/04/25
Client Sample ID:	GST1	SDG No.:	Q1736
Lab Sample ID:	Q1736-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068504.D	1	04/07/25	04/07/25	PB167477

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	110	E	1.16	5.08	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	579	E	1.50	2.54	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.3		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.7		40 - 140	49%	SPK: 50



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1736-01	Acq On:	07 Apr 2025 18:45
Client Sample ID:	GST1	Operator:	YP/AJ
Data file:	FC068504.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.349	6.652	2561760	22.54	300	ug/ml
Aliphatic C12-C16	6.653	10.053	4257325	37.687	200	ug/ml
Aliphatic C16-C21	10.054	13.420	11507056	104.388	300	ug/ml
Aliphatic C21-C28	13.421	17.087	124436506	1130	400	ug/ml
Aliphatic C28-C40	17.088	22.097	556531624	6840	600	ug/ml
Aliphatic EPH	3.349	22.097	699294271	8130		ug/ml
ortho-Terphenyl (SURR)	11.725	11.725	3188741	24.73		ug/ml
1-chlorooctadecane (SURR)	13.159	13.159	2696785	29.32		ug/ml
Aliphatic C9-C28	3.349	17.087	142762647	1290	1200	ug/ml

Report of Analysis

Client:	G Environmental	Date Collected:	04/04/25
Project:	Stockton	Date Received:	04/04/25
Client Sample ID:	GST1DL	SDG No.:	Q1736
Lab Sample ID:	Q1736-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068510.D	2	04/07/25	04/08/25	PB167477

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	119		2.32	10.2	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	606	E	3.00	5.08	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	14.8		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	12.4		40 - 140	49%	SPK: 50



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1736-01DL	Acq On:	08 Apr 2025 09:30
Client Sample ID:	GST1DL	Operator:	YP/AJ
Data file:	FC068510.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	2	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.349	6.653	1320353	11.617	300	ug/ml
Aliphatic C12-C16	6.654	10.055	2155348	19.08	200	ug/ml
Aliphatic C16-C21	10.056	13.422	6460622	58.608	300	ug/ml
Aliphatic C21-C28	13.423	17.087	67890917	615.253	400	ug/ml
Aliphatic C28-C40	17.088	22.094	291387982	3580	600	ug/ml
Aliphatic EPH	3.349	22.094	369215222	4280		ug/ml
ortho-Terphenyl (SURR)	11.722	11.722	1595521	12.37		ug/ml
1-chlorooctadecane (SURR)	13.156	13.156	1366124	14.85		ug/ml
Aliphatic C9-C28	3.349	17.087	77827240	704.558	1200	ug/ml

Report of Analysis

Client:	G Environmental	Date Collected:	04/04/25
Project:	Stockton	Date Received:	04/04/25
Client Sample ID:	GST2	SDG No.:	Q1736
Lab Sample ID:	Q1736-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.5
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_F2

Prep Date :	Date Analyzed :	Prep Batch ID
04/07/25 09:40	04/07/25 16:52	PB167477

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	4.51	J	1	1.13	4.97	mg/kg	FC068501.D
Total EPH	Total EPH	4.51	J		1.13	4.97	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	04/04/25
Project:	Stockton	Date Received:	04/04/25
Client Sample ID:	GST2	SDG No.:	Q1736
Lab Sample ID:	Q1736-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068501.D	1	04/07/25	04/07/25	PB167477

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.51	J	1.13	4.97	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	14.2		1.47	2.48	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.3		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.2		40 - 140	86%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1736-02	Acq On:	07 Apr 2025 16:52
Client Sample ID:	GST2	Operator:	YP/AJ
Data file:	FC068501.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.349	6.652	476224	4.19	300	ug/ml
Aliphatic C12-C16	6.653	10.053	1030185	9.119	200	ug/ml
Aliphatic C16-C21	10.054	13.420	1923758	17.452	300	ug/ml
Aliphatic C21-C28	13.421	17.087	2628535	23.821	400	ug/ml
Aliphatic C28-C40	17.088	22.097	13959959	171.449	600	ug/ml
Aliphatic EPH	3.349	22.097	20018661	226.031		ug/ml
ortho-Terphenyl (SURR)	11.726	11.726	5571738	43.21		ug/ml
1-chlorooctadecane (SURR)	13.158	13.158	4166783	45.3		ug/ml
Aliphatic C9-C28	3.349	17.087	6058702	54.582	1200	ug/ml



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM CASE No.: Q1736 SAS No.: Q1736 SDG No.: Q1736
Run Number: FC040725AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB167477BL	78	74		0
PB167477BS	83	78		0
PB167477BSD	84	78		0
GST1	59	49		0
GST2	91	86		0
GST2MS	86	80		0
GST2MSD	85	79		0

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

ortho-Terphenyl (SURR)

(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM CASE No.: Q1736 SAS No.: Q1736 SDG No.: Q1736
Run Number: FC040825AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
GST1DL	59	49		0

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G
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I
J

QC LIMITS

1-chlorooctadecane (SURR) (40-140)
ortho-Terphenyl (SURR) (40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

SOIL EPH SURROGATE RECOVERY

- A
- B
- C
- D
- E
- F
- G
- H
- I
- J

QC LIMITS

1-chlorooctadecane (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

SOLID EPH_F2 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental
Lab Code: CHEM **Cas No:** Q1736 **SAS No :** Q1736 **SDG No:** Q1736
Sample No : Q1736-02MS **Datafile:** FC068502.D
Client ID : GST2MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	37.2	14.2	56.5	113		(40-140)
Aliphatic C9-C28	124.1	4.51	111	86		(40-140)

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SOLID EPH_F2 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental
Lab Code: CHEM **Cas No:** Q1736 **SAS No :** Q1736 **SDG No:** Q1736
Sample No : Q1736-02MSD **Datafile:** FC068503.D
Client ID : GST2MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS QC Limit Of RPD
Aliphatic C28-C40	37.2	14.2	56.9	114		0.88 (40-140) 25
Aliphatic C9-C28	124.1	4.51	108	84		2.6 (40-140) 25

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SOLID EPH_F2 LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental
Lab Code: CHEM **Cas No:** Q1736 **SAS No :** Q1736 **SDG No:** Q1736
Sample No : PB167477BS **Datafile:** FC068499.D
Client ID : PB167477BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	30.0	26.7	89		(40-140)
Aliphatic C9-C28	99.9	82.4	83		(40-140)

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SOLID EPH_F2 LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental
Lab Code: CHEM **Cas No:** Q1736 **SAS No :** Q1736 **SDG No:** Q1736
Sample No : PB167477BSD **Datafile:** FC068500.D
Client ID : PB167477BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C28-C40	30.0	25.5	85		4.6 (40-140)	50
Aliphatic C9-C28	99.9	82.1	82		0.465 (40-140)	50

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4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167477BL

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1736

SAS No.: Q1736 SDG NO.: Q1736

Instrument ID: FID_C

Lab Sample ID: PB167477BL

Matrix: (soil/water) Solid

Date Extracted: 4/7/2025 9:40:00 AM

Level: (low/med) low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID
PB167477BS	PB167477BS
PB167477BSD	PB167477BSD
GST1	Q1736-01
GST2	Q1736-02
GST2MS	Q1736-02MS
GST2MSD	Q1736-02MSD

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	PB167477BL	SDG No.:	Q1736
Lab Sample ID:	PB167477BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/07/25 09:40	04/07/25 15:00	PB167477

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	4.00	mg/kg	FC068498.D
Total EPH	Total EPH	0.91	U		0.91	4.00	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	PB167477BL	SDG No.:	Q1736
Lab Sample ID:	PB167477BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068498.D	1	04/07/25	04/07/25	PB167477

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.8		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.8		40 - 140	74%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167477BL	Acq On:	07 Apr 2025 15:00
Client Sample ID:	PB167477BL	Operator:	YP/AJ
Data file:	FC068498.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.349	6.652	0	0	300	ug/ml
Aliphatic C12-C16	6.653	10.053	0	0	200	ug/ml
Aliphatic C16-C21	10.054	13.420	0	0	300	ug/ml
Aliphatic C21-C28	13.421	17.087	0	0	400	ug/ml
Aliphatic C28-C40	17.088	22.097	0	0	600	ug/ml
Aliphatic EPH	3.349	22.097	0	0		ug/ml
ortho-Terphenyl (SURR)	11.726	11.726	4743922	36.79		ug/ml
1-chlorooctadecane (SURR)	13.157	13.157	3572616	38.84		ug/ml
Aliphatic C9-C28	3.349	17.087	0	0	1200	ug/ml

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	PB167477BS	SDG No.:	Q1736
Lab Sample ID:	PB167477BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/07/25 09:40	04/07/25 15:38	PB167477

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	82.4	E	1	0.91	3.99	mg/kg	FC068499.D
Total EPH	Total EPH	82.4			0.91	3.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	PB167477BS	SDG No.:	Q1736
Lab Sample ID:	PB167477BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068499.D	1	04/07/25	04/07/25	PB167477

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	82.4	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.7		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.6		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.9		40 - 140	78%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167477BS	Acq On:	07 Apr 2025 15:38
Client Sample ID:	PB167477BS	Operator:	YP/AJ
Data file:	FC068499.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.349	6.652	25085090	220.711	300	ug/ml
Aliphatic C12-C16	6.653	10.053	31632981	280.021	200	ug/ml
Aliphatic C16-C21	10.054	13.420	36406234	330.264	300	ug/ml
Aliphatic C21-C28	13.421	17.087	44723519	405.302	400	ug/ml
Aliphatic C28-C40	17.088	22.097	32657686	401.085	600	ug/ml
Aliphatic EPH	3.349	22.097	170505510	1640		ug/ml
ortho-Terphenyl (SURR)	11.723	11.723	5017440	38.91		ug/ml
1-chlorooctadecane (SURR)	13.155	13.155	3829400	41.63		ug/ml
Aliphatic C9-C28	3.349	17.087	137847824	1240	1200	ug/ml

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	PB167477BSD	SDG No.:	Q1736
Lab Sample ID:	PB167477BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/07/25 09:40	04/07/25 16:15	PB167477

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	82.1	E	1	0.91	3.99	mg/kg	FC068500.D
Total EPH	Total EPH	82.1			0.91	3.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	PB167477BSD	SDG No.:	Q1736
Lab Sample ID:	PB167477BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068500.D	1	04/07/25	04/07/25	PB167477

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	82.1	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.5		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.0		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.9		40 - 140	78%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167477BSD	Acq On:	07 Apr 2025 16:15
Client Sample ID:	PB167477BSD	Operator:	YP/AJ
Data file:	FC068500.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.349	6.652	24828638	218.454	300	ug/ml
Aliphatic C12-C16	6.653	10.053	31458596	278.477	200	ug/ml
Aliphatic C16-C21	10.054	13.420	36281862	329.135	300	ug/ml
Aliphatic C21-C28	13.421	17.087	44757186	405.607	400	ug/ml
Aliphatic C28-C40	17.088	22.097	31223292	383.469	600	ug/ml
Aliphatic EPH	3.349	22.097	168549574	1620		ug/ml
ortho-Terphenyl (SURR)	11.726	11.726	5016735	38.9		ug/ml
1-chlorooctadecane (SURR)	13.157	13.157	3861482	41.98		ug/ml
Aliphatic C9-C28	3.349	17.087	137326282	1230	1200	ug/ml

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	GST2MS	SDG No.:	Q1736
Lab Sample ID:	Q1736-02MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.5
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_F2

Prep Date :	Date Analyzed :	Prep Batch ID
04/07/25 09:40	04/07/25 17:30	PB167477

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	111	E	1	1.13	4.96	mg/kg	FC068502.D
Total EPH	Total EPH	111			1.13	4.96	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	GST2MS	SDG No.:	Q1736
Lab Sample ID:	Q1736-02MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068502.D	1	04/07/25	04/07/25	PB167477

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	111	E	1.13	4.96	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	56.5	E	1.46	2.48	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.9		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.9		40 - 140	80%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1736-02MS	Acq On:	07 Apr 2025 17:30
Client Sample ID:	GST2MS	Operator:	YP/AJ
Data file:	FC068502.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.349	6.652	27436774	241.402	300	ug/ml
Aliphatic C12-C16	6.653	10.053	35128627	310.965	200	ug/ml
Aliphatic C16-C21	10.054	13.420	40249527	365.128	300	ug/ml
Aliphatic C21-C28	13.421	17.087	47368512	429.271	400	ug/ml
Aliphatic C28-C40	17.088	22.097	55673647	683.756	600	ug/ml
Aliphatic EPH	3.349	22.097	205857087	2030		ug/ml
ortho-Terphenyl (SURR)	11.727	11.727	5146164	39.91		ug/ml
1-chlorooctadecane (SURR)	13.158	13.158	3943089	42.86		ug/ml
Aliphatic C9-C28	3.349	17.087	150183440	1350	1200	ug/ml

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	GST2MSD	SDG No.:	Q1736
Lab Sample ID:	Q1736-02MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/07/25 09:40	04/07/25 18:08	PB167477

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	109	E	1	1.13	4.96	mg/kg	FC068503.D
Total EPH	Total EPH	109			1.13	4.96	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Stockton		Date Received:	
Client Sample ID:	GST2MSD		SDG No.:	Q1736
Lab Sample ID:	Q1736-02MSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	80.5
Sample Wt/Vol:	30.04	Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:		uL	Test:	EPH_F2
Prep Method :				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068503.D	1	04/07/25	04/07/25	PB167477

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	109	E	1.13	4.96	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	56.9	E	1.46	2.48	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.3		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.3		40 - 140	79%	SPK: 50



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1736-02MSD	Acq On:	07 Apr 2025 18:08
Client Sample ID:	GST2MSD	Operator:	YP/AJ
Data file:	FC068503.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.349	6.652	26521674	233.35	300	ug/ml
Aliphatic C12-C16	6.653	10.053	33962049	300.638	200	ug/ml
Aliphatic C16-C21	10.054	13.420	39116334	354.849	300	ug/ml
Aliphatic C21-C28	13.421	17.087	46787993	424.011	400	ug/ml
Aliphatic C28-C40	17.088	22.097	56036693	688.215	600	ug/ml
Aliphatic EPH	3.349	22.097	202424743	2000		ug/ml
ortho-Terphenyl (SURR)	11.727	11.727	5069084	39.31		ug/ml
1-chlorooctadecane (SURR)	13.159	13.159	3889005	42.28		ug/ml
Aliphatic C9-C28	3.349	17.087	146388050	1310	1200	ug/ml



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FC040225AL

AreaCount

Parameter Range	FC068487.D	FC068488.D	FC068489.D	FC068490.D	FC068491.D	
Aliphatic C9-C12	31367127.000	16130027.000	6778558.000	3641705.000	1827350.000	
Aliphatic C12-C16	20853084.000	10782879.000	4521531.000	2435718.000	1179147.000	
Aliphatic C16-C21	30321517.000	15706100.000	6611532.000	3549560.000	1753192.000	
Aliphatic C21-C28	39460175.000	19791819.000	8362333.000	4426042.000	2778833.000	
Aliphatic C28-C40	48104700.000	23485614.000	9405447.000	4618163.000	2799253.000	
Aliphatic EPH	170106603.000	85896439.000	35679401.000	18671188.000	10337775.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	113656.0139996	6.918				
Aliphatic C12-C16	112966.617	6.328				
Aliphatic C16-C21	110233.8779996	6.789				
Aliphatic C21-C28	110346.279	15.151				
Aliphatic C28-C40	81423.2843332	8.279				
Aliphatic EPH	101529.318444	8.166				

Concentration

Parameter Range	FC068487.D	FC068488.D	FC068489.D	FC068490.D	FC068491.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FC068487.D	FC068488.D	FC068489.D	FC068490.D	FC068491.D	
Aliphatic C9-C12	104557.090000	107533.513333	112975.966666	121390.166666	121823.333333	
Aliphatic C12-C16	104265.420000	107828.790000	113038.275000	121785.900000	117914.700000	
Aliphatic C16-C21	101071.723333	104707.333333	110192.200000	118318.666666	116879.466666	

Initial Calibration Report for SequenceID : FC040225AL

Aliphatic C21-C28	98650.437500	98959.095000	104529.162500	110651.050000	138941.650000	
Aliphatic C28-C40	80174.500000	78285.380000	78378.725000	76969.383333	93308.433333	
Aliphatic EPH	94503.668333	95440.487777	99109.447222	103728.822222	114864.166666	

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Continuing Calibration Report for SequenceID : FC040725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068497.D

Aliphatic C9-C12	6682131.000	60.000	3.349	6.652	111368.850	113656.014	2.012
Aliphatic C12-C16	4492250.000	40.000	6.653	10.053	112306.250	112966.617	0.585
Aliphatic C16-C21	6578642.000	60.000	10.054	13.420	109644.033	110233.878	0.535
Aliphatic C21-C28	8495195.000	80.000	13.421	17.087	106189.938	110346.279	3.767
Aliphatic C28-C40	9408552.000	120.000	17.088	22.097	78404.600	81423.284	3.707
Aliphatic EPH	35656770.000	360.000	3.349	22.097	99046.583	101529.318	2.445

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	07 Apr 2025 14:23
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068497.D	Misc:	
Instrument:	FID_C	ALS Vial:	10
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.349	6.652	6682131.000	60.000	ug/ml
Aliphatic C12-C16	6.653	10.053	4492250.000	40.000	ug/ml
Aliphatic C16-C21	10.054	13.420	6578642.000	60.000	ug/ml
Aliphatic C21-C28	13.421	17.087	8495195.000	80.000	ug/ml
Aliphatic C28-C40	17.088	22.097	9408552.000	120.000	ug/ml
Aliphatic EPH	3.349	22.097	35656770.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC040725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068506.D

Aliphatic C9-C12	7148989.000	60.000	3.349	6.652	119149.817	113656.014	-4.834
Aliphatic C12-C16	4796745.000	40.000	6.653	10.053	119918.625	112966.617	-6.154
Aliphatic C16-C21	6987395.000	60.000	10.054	13.420	116456.583	110233.878	-5.645
Aliphatic C21-C28	8925778.000	80.000	13.421	17.087	111572.225	110346.279	-1.111
Aliphatic C28-C40	9592709.000	120.000	17.088	22.097	79939.242	81423.284	1.823
Aliphatic EPH	37451616.000	360.000	3.349	22.097	104032.267	101529.318	-2.465

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Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	07 Apr 2025 21:15
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068506.D	Misc:	
Instrument:	FID_C	ALS Vial:	10
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.349	6.652	7148989.000	60.000	ug/ml
Aliphatic C12-C16	6.653	10.053	4796745.000	40.000	ug/ml
Aliphatic C16-C21	10.054	13.420	6987395.000	60.000	ug/ml
Aliphatic C21-C28	13.421	17.087	8925778.000	80.000	ug/ml
Aliphatic C28-C40	17.088	22.097	9592709.000	120.000	ug/ml
Aliphatic EPH	3.349	22.097	37451616.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC040825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068509.D

Aliphatic C9-C12	7037737.000	60.000	3.349	6.653	117295.617	113656.014	-3.202
Aliphatic C12-C16	4773823.000	40.000	6.654	10.055	119345.575	112966.617	-5.647
Aliphatic C16-C21	7017670.000	60.000	10.056	13.422	116961.167	110233.878	-6.103
Aliphatic C21-C28	9090037.000	80.000	13.423	17.087	113625.463	110346.279	-2.972
Aliphatic C28-C40	9806940.000	120.000	17.088	22.094	81724.500	81423.284	-0.370
Aliphatic EPH	37726207.000	360.000	3.349	22.094	104795.019	101529.318	-3.217

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	08 Apr 2025 08:52
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068509.D	Misc:	
Instrument:	FID_C	ALS Vial:	10
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.349	6.653	7037737.000	60.000	ug/ml
Aliphatic C12-C16	6.654	10.055	4773823.000	40.000	ug/ml
Aliphatic C16-C21	10.056	13.422	7017670.000	60.000	ug/ml
Aliphatic C21-C28	13.423	17.087	9090037.000	80.000	ug/ml
Aliphatic C28-C40	17.088	22.094	9806940.000	120.000	ug/ml
Aliphatic EPH	3.349	22.094	37726207.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC040825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068512.D

Aliphatic C9-C12	7222772.000	60.000	3.349	6.653	120379.533	113656.014	-5.916
Aliphatic C12-C16	4679529.000	40.000	6.654	10.055	116988.225	112966.617	-3.560
Aliphatic C16-C21	6686553.000	60.000	10.056	13.422	111442.550	110233.878	-1.096
Aliphatic C21-C28	8623503.000	80.000	13.423	17.087	107793.788	110346.279	2.313
Aliphatic C28-C40	9762172.000	120.000	17.088	22.094	81351.433	81423.284	0.088
Aliphatic EPH	36974529.000	360.000	3.349	22.094	102707.025	101529.318	-1.160

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	08 Apr 2025 11:24
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068512.D	Misc:	
Instrument:	FID_C	ALS Vial:	10
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.349	6.653	7222772.000	60.000	ug/ml
Aliphatic C12-C16	6.654	10.055	4679529.000	40.000	ug/ml
Aliphatic C16-C21	10.056	13.422	6686553.000	60.000	ug/ml
Aliphatic C21-C28	13.423	17.087	8623503.000	80.000	ug/ml
Aliphatic C28-C40	17.088	22.094	9762172.000	120.000	ug/ml
Aliphatic EPH	3.349	22.094	36974529.000	360.000	ug/ml



SAMPLE RAW DATA

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
 Data File : FC068504.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 18:45
 Operator : YP/AJ
 Sample : Q1736-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 GST1

Integration File: autoint1.e
 Quant Time: Apr 08 02:36:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 07 16:09:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.725	3188741	24.728 ug/ml
Spiked Amount	50.000	Recovery	= 49.46%
12) S 1-chlorooctadecane (S...	13.159	2696785	29.316 ug/ml
Spiked Amount	50.000	Recovery	= 58.63%

Target Compounds

(f)=RT Delta > 1/2 Window

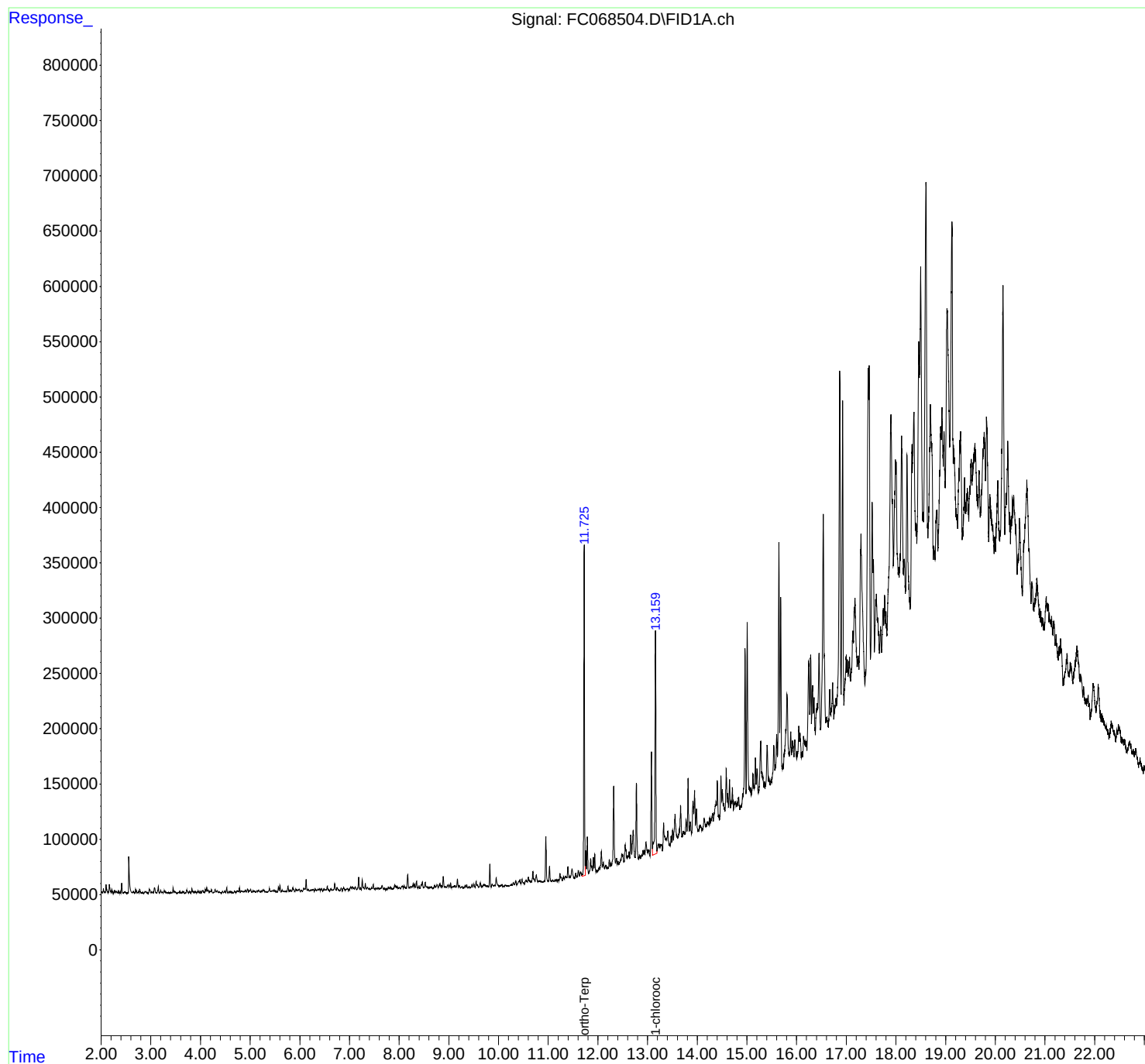
(m)=manual int.

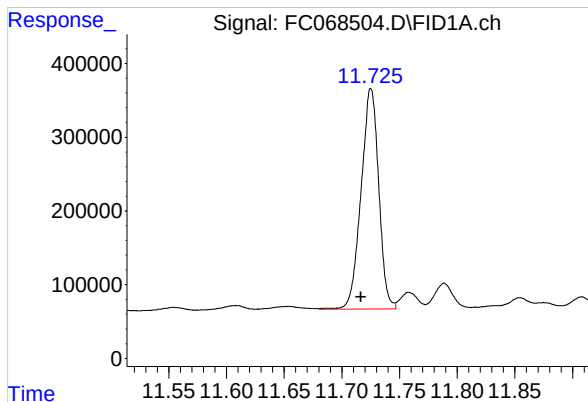
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
Data File : FC068504.D
Signal(s) : FID1A.ch
Acq On : 07 Apr 2025 18:45
Operator : YP/AJ
Sample : Q1736-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GST1

Integration File: autoint1.e
Quant Time: Apr 08 02:36:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Mon Apr 07 16:09:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

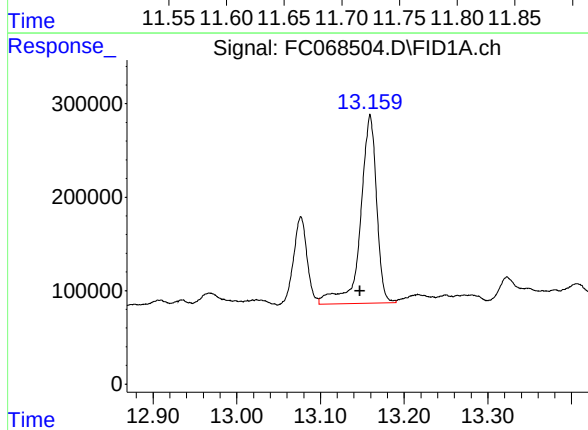




#9 ortho-Terphenyl (SURR)

R.T.: 11.725 min
Delta R.T.: 0.009 min
Response: 3188741
Conc: 24.73 ug/ml

Instrument :
FID_C
ClientSampleId :
GST1



#12 1-chlorooctadecane (SURR)

R.T.: 13.159 min
Delta R.T.: 0.012 min
Response: 2696785
Conc: 29.32 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
 Data File : FC068504.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 18:45
 Sample : Q1736-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.352	2.304	2.371	BV	1922	5613	0.02%	0.001%
2	2.385	2.371	2.396	PV	1014	7389	0.03%	0.001%
3	2.414	2.396	2.441	VV	8897	82084	0.28%	0.012%
4	2.482	2.441	2.514	VV	1198	18763	0.06%	0.003%
5	2.559	2.514	2.634	PV	31596	350015	1.21%	0.050%
6	2.646	2.634	2.672	VV	1737	21988	0.08%	0.003%
7	2.695	2.672	2.706	VV	3393	33376	0.11%	0.005%
8	2.710	2.706	2.728	VV	2378	16982	0.06%	0.002%
9	2.750	2.728	2.761	VV	1440	14813	0.05%	0.002%
10	2.777	2.761	2.864	VV	3587	50674	0.17%	0.007%
11	2.883	2.864	2.893	VV	1528	16312	0.06%	0.002%
12	2.903	2.893	2.954	VV	1613	17996	0.06%	0.003%
13	2.970	2.954	3.002	VV	3692	57102	0.20%	0.008%
14	3.018	3.002	3.028	VV	881	11394	0.04%	0.002%
15	3.039	3.028	3.053	VV	929	11537	0.04%	0.002%
16	3.075	3.053	3.120	VV	4853	79912	0.28%	0.011%
17	3.151	3.120	3.174	VV	6300	70512	0.24%	0.010%
18	3.200	3.174	3.220	VV	2671	33454	0.12%	0.005%
19	3.234	3.220	3.251	VV	1208	13564	0.05%	0.002%
20	3.272	3.251	3.287	VV	2315	32155	0.11%	0.005%
21	3.298	3.287	3.315	VV	1833	17706	0.06%	0.003%
22	3.329	3.315	3.369	VV	706	16280	0.06%	0.002%
23	3.389	3.369	3.412	VV	563	10177	0.04%	0.001%
24	3.449	3.412	3.463	VV	4963	49752	0.17%	0.007%
25	3.474	3.463	3.532	VV	2115	32786	0.11%	0.005%
26	3.554	3.532	3.567	PV	939	9122	0.03%	0.001%
27	3.581	3.567	3.595	VV	1294	14174	0.05%	0.002%
28	3.605	3.595	3.619	VV	846	8801	0.03%	0.001%
29	3.653	3.619	3.686	VV	1556	29617	0.10%	0.004%
30	3.727	3.686	3.757	VV	2716	48010	0.17%	0.007%
31	3.780	3.757	3.801	VV	1351	21760	0.07%	0.003%
32	3.828	3.801	3.850	VV	4308	52522	0.18%	0.007%
33	3.863	3.850	3.877	VV	1766	21353	0.07%	0.003%
34	3.900	3.877	3.917	VV	1809	29326	0.10%	0.004%
35	3.926	3.917	3.936	VV	837	7528	0.03%	0.001%
36	3.952	3.936	3.986	VV	2428	33494	0.12%	0.005%

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37	4.003	3.986	4.017	VV	1254	11756	0.04%	0.002%
38	4.038	4.017	4.080	VV	2423	48575	0.17%	0.007%
39	4.098	4.080	4.111	VV	3533	36941	0.13%	0.005%
40	4.126	4.111	4.144	VV	5054	62225	0.21%	0.009%
41	4.154	4.144	4.177	VV	2923	37838	0.13%	0.005%
42	4.191	4.177	4.203	VV	1717	22136	0.08%	0.003%
43	4.222	4.203	4.247	VV	3221	43288	0.15%	0.006%
44	4.294	4.247	4.318	VV	3415	56269	0.19%	0.008%
45	4.335	4.318	4.363	VV	2276	37170	0.13%	0.005%
46	4.375	4.363	4.417	VV	955	18620	0.06%	0.003%
47	4.447	4.417	4.468	PV	1309	20483	0.07%	0.003%
48	4.489	4.468	4.508	VV	1628	24674	0.09%	0.003%
49	4.528	4.508	4.558	VV	4810	55980	0.19%	0.008%
50	4.575	4.558	4.589	VV	1658	17107	0.06%	0.002%
51	4.603	4.589	4.617	VV	1281	13610	0.05%	0.002%
52	4.633	4.617	4.663	VV	744	12820	0.04%	0.002%
53	4.685	4.663	4.716	VV	1465	25147	0.09%	0.004%
54	4.734	4.716	4.745	VV	1914	22801	0.08%	0.003%
55	4.753	4.745	4.771	VV	1477	19513	0.07%	0.003%
56	4.784	4.771	4.802	VV	4442	41680	0.14%	0.006%
57	4.818	4.802	4.828	VV	1842	18656	0.06%	0.003%
58	4.838	4.828	4.854	VV	1589	18891	0.07%	0.003%
59	4.865	4.854	4.876	VV	1469	13767	0.05%	0.002%
60	4.907	4.876	4.927	VV	2495	43217	0.15%	0.006%
61	4.947	4.927	4.967	VV	3382	47426	0.16%	0.007%
62	4.982	4.967	4.994	VV	1619	22579	0.08%	0.003%
63	5.011	4.994	5.031	VV	3039	38570	0.13%	0.005%
64	5.061	5.031	5.113	VV	1370	43154	0.15%	0.006%
65	5.141	5.113	5.155	VV	1900	24894	0.09%	0.004%
66	5.170	5.155	5.199	VV	2210	34603	0.12%	0.005%
67	5.229	5.199	5.241	VV	1579	24736	0.09%	0.004%
68	5.256	5.241	5.265	VV	2347	22650	0.08%	0.003%
69	5.275	5.265	5.320	VV	2275	35492	0.12%	0.005%
70	5.342	5.320	5.355	PV	515	6654	0.02%	0.001%
71	5.389	5.355	5.421	VV	3373	53517	0.18%	0.008%
72	5.437	5.421	5.450	VV	1128	15761	0.05%	0.002%
73	5.468	5.450	5.484	VV	2083	26670	0.09%	0.004%
74	5.499	5.484	5.551	VV	1190	23104	0.08%	0.003%
75	5.571	5.551	5.586	VV	4764	52795	0.18%	0.007%
76	5.601	5.586	5.626	VV	6145	68169	0.23%	0.010%
77	5.643	5.626	5.684	VV	1716	26776	0.09%	0.004%
78	5.729	5.684	5.737	VV	629	16304	0.06%	0.002%
79	5.762	5.737	5.781	VV	5172	62596	0.22%	0.009%
80	5.791	5.781	5.799	VV	1146	10536	0.04%	0.001%
81	5.815	5.799	5.835	VV	1435	23049	0.08%	0.003%
82	5.858	5.835	5.901	VV	3608	70461	0.24%	0.010%
83	5.919	5.901	5.934	VV	2340	29248	0.10%	0.004%
84	5.947	5.934	5.959	VV	1811	22671	0.08%	0.003%
85	5.987	5.959	6.011	VV	2151	44573	0.15%	0.006%
86	6.029	6.011	6.054	PV	1645	22245	0.08%	0.003%
87	6.080	6.054	6.094	VV	3329	47853	0.16%	0.007%
88	6.128	6.094	6.151	VV	11163	144680	0.50%	0.020%
89	6.172	6.151	6.190	VV	1909	29384	0.10%	0.004%

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90	6.232	6.190	6.247	VV	1926	39404	0.14%	0.006%
91	6.271	6.247	6.291	VV	1945	37037	0.13%	0.005%
92	6.317	6.291	6.333	VV	1771	32407	0.11%	0.005%
93	6.372	6.333	6.384	VV	1817	42242	0.15%	0.006%
94	6.400	6.384	6.418	VV	2649	35262	0.12%	0.005%
95	6.438	6.418	6.458	VV	2479	33574	0.12%	0.005%
96	6.487	6.458	6.505	VV	1914	35328	0.12%	0.005%
97	6.517	6.505	6.532	VV	1564	21115	0.07%	0.003%
98	6.553	6.532	6.569	VV	4696	55681	0.19%	0.008%
99	6.578	6.569	6.604	VV	1594	20031	0.07%	0.003%
100	6.625	6.604	6.641	PV	2255	26943	0.09%	0.004%
101	6.655	6.641	6.664	VV	1130	14896	0.05%	0.002%
102	6.703	6.664	6.725	VV	6820	97114	0.33%	0.014%
103	6.754	6.725	6.804	VV	3166	66716	0.23%	0.009%
104	6.832	6.804	6.856	VV	2479	38578	0.13%	0.005%
105	6.883	6.856	6.911	VV	2612	53560	0.18%	0.008%
106	6.959	6.911	6.981	VV	1922	53091	0.18%	0.008%
107	7.023	6.981	7.039	VV	2808	64393	0.22%	0.009%
108	7.056	7.039	7.076	VV	3370	60963	0.21%	0.009%
109	7.086	7.076	7.100	VV	2670	32217	0.11%	0.005%
110	7.117	7.100	7.145	VV	3375	56012	0.19%	0.008%
111	7.185	7.145	7.206	VV	11970	145760	0.50%	0.021%
112	7.219	7.206	7.238	VV	2151	30015	0.10%	0.004%
113	7.258	7.238	7.301	VV	9556	140243	0.48%	0.020%
114	7.320	7.301	7.339	VV	6057	69421	0.24%	0.010%
115	7.361	7.339	7.384	VV	2702	50476	0.17%	0.007%
116	7.394	7.384	7.424	VV	1354	24341	0.08%	0.003%
117	7.446	7.424	7.457	VV	2004	27637	0.10%	0.004%
118	7.479	7.457	7.516	VV	5196	81971	0.28%	0.012%
119	7.534	7.516	7.553	VV	1705	26852	0.09%	0.004%
120	7.574	7.553	7.592	VV	1744	33188	0.11%	0.005%
121	7.619	7.592	7.631	VV	1520	30658	0.11%	0.004%
122	7.656	7.631	7.694	VV	4055	85305	0.29%	0.012%
123	7.708	7.694	7.728	VV	1191	17448	0.06%	0.002%
124	7.746	7.728	7.758	VV	721	9381	0.03%	0.001%
125	7.782	7.758	7.801	VV	2531	40035	0.14%	0.006%
126	7.822	7.801	7.861	VV	2433	51416	0.18%	0.007%
127	7.910	7.861	7.949	VV	4199	114360	0.39%	0.016%
128	7.959	7.949	7.984	VV	2351	36579	0.13%	0.005%
129	8.002	7.984	8.021	VV	2135	31753	0.11%	0.004%
130	8.067	8.021	8.085	VV	3359	81649	0.28%	0.012%
131	8.102	8.085	8.145	VV	3337	66425	0.23%	0.009%
132	8.172	8.145	8.196	VV	13215	184879	0.64%	0.026%
133	8.205	8.196	8.218	VV	1664	19981	0.07%	0.003%
134	8.240	8.218	8.253	VV	2375	44664	0.15%	0.006%
135	8.284	8.253	8.299	VV	5405	88154	0.30%	0.012%
136	8.311	8.299	8.328	VV	4500	53406	0.18%	0.008%
137	8.350	8.328	8.379	VV	7219	100259	0.35%	0.014%
138	8.399	8.379	8.418	VV	2866	40519	0.14%	0.006%
139	8.468	8.418	8.490	VV	6492	138020	0.48%	0.020%
140	8.524	8.490	8.547	VV	5816	95887	0.33%	0.014%
141	8.557	8.547	8.592	VV	1807	38230	0.13%	0.005%

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142	8.606	8.592	8.617	VV	1311	16455	0.06%	0.002%
143	8.631	8.617	8.669	VV	1537	36739	0.13%	0.005%
144	8.714	8.669	8.734	VV	2913	52495	0.18%	0.007%
145	8.763	8.734	8.788	VV	3588	72604	0.25%	0.010%
146	8.820	8.788	8.853	VV	4783	109279	0.38%	0.015%
147	8.889	8.853	8.950	VV	10864	191426	0.66%	0.027%
148	8.974	8.950	8.988	VV	3036	44419	0.15%	0.006%
149	9.003	8.988	9.021	VV	3322	46703	0.16%	0.007%
150	9.037	9.021	9.057	VV	4571	54224	0.19%	0.008%
151	9.126	9.057	9.142	VV	2411	74873	0.26%	0.011%
152	9.174	9.142	9.194	VV	8414	109920	0.38%	0.016%
153	9.213	9.194	9.237	VV	2629	37277	0.13%	0.005%
154	9.259	9.237	9.290	VV	1140	19320	0.07%	0.003%
155	9.329	9.290	9.345	PV	2314	31770	0.11%	0.004%
156	9.361	9.345	9.391	VV	2878	31397	0.11%	0.004%
157	9.411	9.391	9.426	VV	806	8085	0.03%	0.001%
158	9.466	9.426	9.484	VV	2702	37972	0.13%	0.005%
159	9.502	9.484	9.526	VV	2947	41470	0.14%	0.006%
160	9.550	9.526	9.603	VV	5617	94044	0.32%	0.013%
161	9.631	9.603	9.661	VV	4039	69632	0.24%	0.010%
162	9.671	9.661	9.681	VV	1000	9642	0.03%	0.001%
163	9.703	9.681	9.716	VV	2538	38144	0.13%	0.005%
164	9.728	9.716	9.744	VV	2482	31616	0.11%	0.004%
165	9.756	9.744	9.769	VV	1368	17409	0.06%	0.002%
166	9.780	9.769	9.800	VV	1117	15084	0.05%	0.002%
167	9.827	9.800	9.851	VV	20679	204978	0.71%	0.029%
168	9.872	9.851	9.904	PV	2700	45591	0.16%	0.006%
169	9.919	9.904	9.932	VV	1345	19103	0.07%	0.003%
170	9.955	9.932	10.011	VV	8102	140516	0.48%	0.020%
171	10.038	10.011	10.051	VV	1081	18686	0.06%	0.003%
172	10.064	10.051	10.091	VV	1339	21186	0.07%	0.003%
173	10.133	10.091	10.157	PV	1163	18939	0.07%	0.003%
174	10.170	10.157	10.188	VV	595	8235	0.03%	0.001%
175	10.205	10.188	10.216	VV	315	2994	0.01%	0.000%
176	10.251	10.216	10.276	PV	1256	27239	0.09%	0.004%
177	10.299	10.276	10.322	VV	2871	44766	0.15%	0.006%
178	10.345	10.322	10.368	VV	3833	58579	0.20%	0.008%
179	10.430	10.368	10.454	VV	4800	129700	0.45%	0.018%
180	10.474	10.454	10.521	VV	5087	91584	0.32%	0.013%
181	10.551	10.521	10.581	VV	3536	88348	0.30%	0.013%
182	10.601	10.581	10.637	VV	6341	123724	0.43%	0.018%
183	10.646	10.637	10.663	VV	2729	35485	0.12%	0.005%
184	10.692	10.663	10.735	VV	11083	213762	0.74%	0.030%
185	10.761	10.735	10.796	VV	7493	151321	0.52%	0.021%
186	10.819	10.796	10.839	VV	2038	42915	0.15%	0.006%
187	10.851	10.839	10.867	VV	1797	22245	0.08%	0.003%
188	10.878	10.867	10.904	VV	946	16353	0.06%	0.002%
189	10.919	10.904	10.929	VV	1621	17570	0.06%	0.002%
190	10.954	10.929	10.998	VV	40851	479254	1.65%	0.068%
191	11.028	10.998	11.068	VV	14261	171109	0.59%	0.024%
192	11.088	11.068	11.120	VV	1748	22924	0.08%	0.003%
193	11.145	11.120	11.160	VV	1306	17390	0.06%	0.002%
194	11.174	11.160	11.188	VV	1464	13293	0.05%	0.002%

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195	11.202	11.188	11.221	VV	1090	13155	0.05%	0.002%
196	11.238	11.221	11.283	VV	6421	107540	0.37%	0.015%
197	11.310	11.283	11.327	PV	2987	47678	0.16%	0.007%
198	11.347	11.327	11.375	VV	3577	72016	0.25%	0.010%
199	11.398	11.375	11.419	VV	11820	153025	0.53%	0.022%
200	11.480	11.419	11.524	VV	8895	220605	0.76%	0.031%
201	11.555	11.524	11.574	PV	4364	55937	0.19%	0.008%
202	11.608	11.574	11.626	VV	6063	84568	0.29%	0.012%
203	11.653	11.626	11.678	VV	4331	77990	0.27%	0.011%
204	11.725	11.678	11.747	VV	300208	3188290	10.99%	0.451%
205	11.758	11.747	11.772	VV	22193	227023	0.78%	0.032%
206	11.789	11.772	11.814	VV	33822	370613	1.28%	0.052%
207	11.854	11.814	11.890	VV	13671	255698	0.88%	0.036%
208	11.908	11.890	11.922	VV	14114	154010	0.53%	0.022%
209	11.938	11.922	11.963	VV	16610	191142	0.66%	0.027%
210	11.977	11.963	11.994	VV	1612	15475	0.05%	0.002%
211	12.026	11.994	12.038	PV	3659	56133	0.19%	0.008%
212	12.069	12.038	12.091	VV	17627	256912	0.89%	0.036%
213	12.111	12.091	12.134	VV	6968	106567	0.37%	0.015%
214	12.158	12.134	12.179	VV	3846	61736	0.21%	0.009%
215	12.194	12.179	12.209	VV	1379	16889	0.06%	0.002%
216	12.230	12.209	12.248	VV	7817	88652	0.31%	0.013%
217	12.261	12.248	12.273	VV	4631	43204	0.15%	0.006%
218	12.319	12.273	12.356	VV	73213	1067111	3.68%	0.151%
219	12.374	12.356	12.392	VV	7343	103873	0.36%	0.015%
220	12.406	12.392	12.421	VV	3987	46233	0.16%	0.007%
221	12.482	12.421	12.524	VV	9307	300704	1.04%	0.043%
222	12.549	12.524	12.582	VV	16780	319616	1.10%	0.045%
223	12.627	12.582	12.641	VV	9416	212469	0.73%	0.030%
224	12.661	12.641	12.679	VV	24264	312784	1.08%	0.044%
225	12.710	12.679	12.749	VV	27762	615666	2.12%	0.087%
226	12.776	12.749	12.817	VV	67958	871481	3.00%	0.123%
227	12.844	12.817	12.861	VV	2588	51671	0.18%	0.007%
228	12.908	12.861	12.921	VV	6889	128018	0.44%	0.018%
229	12.934	12.921	12.946	VV	6851	74648	0.26%	0.011%
230	12.968	12.946	13.006	VV	13659	277684	0.96%	0.039%
231	13.024	13.006	13.048	VV	5757	99284	0.34%	0.014%
232	13.077	13.048	13.098	VV	93851	1054659	3.63%	0.149%
233	13.159	13.098	13.188	VV	197479	2709072	9.33%	0.384%
234	13.217	13.188	13.237	VV	8681	181466	0.63%	0.026%
235	13.249	13.237	13.300	VV	7965	233195	0.80%	0.033%
236	13.323	13.300	13.370	VV	25662	569504	1.96%	0.081%
237	13.407	13.370	13.450	VV	17730	491507	1.69%	0.070%
238	13.472	13.450	13.485	VV	11940	164238	0.57%	0.023%
239	13.503	13.485	13.519	VV	16139	250293	0.86%	0.035%
240	13.552	13.519	13.592	VV	31264	784564	2.70%	0.111%
241	13.603	13.592	13.614	VV	10449	133125	0.46%	0.019%
242	13.665	13.614	13.691	VV	37494	844832	2.91%	0.120%
243	13.722	13.691	13.735	VV	13204	295972	1.02%	0.042%
244	13.744	13.735	13.754	VV	11982	129417	0.45%	0.018%
245	13.775	13.754	13.792	VV	22659	382687	1.32%	0.054%
246	13.815	13.792	13.837	VV	60024	833334	2.87%	0.118%

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247	13.859	13.837	13.884	VV	19807	410438	1.41%	0.058%
248	13.914	13.884	13.928	VV	37368	650685	2.24%	0.092%
249	13.945	13.928	13.964	VV	46905	706817	2.44%	0.100%
250	13.984	13.964	14.021	VV	29917	605084	2.08%	0.086%
251	14.057	14.021	14.105	VV	14287	583175	2.01%	0.083%
252	14.137	14.105	14.170	VV	18519	556584	1.92%	0.079%
253	14.182	14.170	14.187	VV	13086	126108	0.43%	0.018%
254	14.209	14.187	14.234	VV	14950	391585	1.35%	0.055%
255	14.249	14.234	14.262	VV	18002	267314	0.92%	0.038%
256	14.304	14.262	14.322	VV	21158	611368	2.11%	0.087%
257	14.402	14.322	14.447	VV	49171	1910825	6.58%	0.271%
258	14.475	14.447	14.493	VV	52186	921909	3.18%	0.131%
259	14.505	14.493	14.522	VV	40634	591713	2.04%	0.084%
260	14.531	14.522	14.556	VV	27692	483892	1.67%	0.069%
261	14.584	14.556	14.601	VV	58462	1027296	3.54%	0.145%
262	14.610	14.601	14.628	VV	34257	488703	1.68%	0.069%
263	14.648	14.628	14.668	VV	47573	806303	2.78%	0.114%
264	14.707	14.668	14.729	VV	39435	1024572	3.53%	0.145%
265	14.771	14.729	14.792	VV	25959	875389	3.02%	0.124%
266	14.833	14.792	14.858	VV	28475	939223	3.24%	0.133%
267	14.961	14.858	14.982	VV	161486	3542982	12.21%	0.502%
268	15.004	14.982	15.058	VV	184239	3375080	11.63%	0.478%
269	15.073	15.058	15.085	VV	34283	534210	1.84%	0.076%
270	15.120	15.085	15.151	VV	46612	1404478	4.84%	0.199%
271	15.169	15.151	15.186	VV	58734	952787	3.28%	0.135%
272	15.204	15.186	15.231	VV	49443	1081853	3.73%	0.153%
273	15.276	15.231	15.340	VV	73109	2983814	10.28%	0.423%
274	15.352	15.340	15.374	VV	35575	661736	2.28%	0.094%
275	15.406	15.374	15.467	VV	68197	2407372	8.29%	0.341%
276	15.541	15.467	15.565	VV	65400	2572485	8.86%	0.364%
277	15.598	15.565	15.615	VV	75084	1751202	6.03%	0.248%
278	15.643	15.615	15.661	VV	247538	3892243	13.41%	0.551%
279	15.678	15.661	15.723	VV	197518	3435249	11.84%	0.486%
280	15.808	15.723	15.853	VV	108044	5367635	18.49%	0.760%
281	15.879	15.853	15.898	VV	73876	1631421	5.62%	0.231%
282	15.921	15.898	15.944	VV	63142	1634774	5.63%	0.231%
283	15.962	15.944	16.000	VV	64206	1910076	6.58%	0.270%
284	16.044	16.000	16.058	VV	75985	2068730	7.13%	0.293%
285	16.068	16.058	16.098	VV	70101	1436384	4.95%	0.203%
286	16.110	16.098	16.119	VV	52583	653412	2.25%	0.093%
287	16.143	16.119	16.162	VV	65030	1499910	5.17%	0.212%
288	16.174	16.162	16.207	VV	61068	1571598	5.41%	0.223%
289	16.242	16.207	16.264	VV	131742	3335048	11.49%	0.472%
290	16.282	16.264	16.300	VV	136913	2328799	8.02%	0.330%
291	16.317	16.300	16.334	VV	106972	1993482	6.87%	0.282%
292	16.349	16.334	16.375	VV	98029	2033566	7.01%	0.288%
293	16.414	16.375	16.424	VV	92394	2480094	8.55%	0.351%
294	16.450	16.424	16.483	VV	136720	3529283	12.16%	0.500%
295	16.535	16.483	16.596	VV	260593	8739354	30.11%	1.238%
296	16.610	16.596	16.637	VV	77412	1827135	6.30%	0.259%
297	16.665	16.637	16.688	VV	100645	2567868	8.85%	0.364%
298	16.723	16.688	16.748	VV	106593	3170272	10.92%	0.449%
299	16.792	16.748	16.804	VV	90078	2880356	9.92%	0.408%

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300	16.868	16.804	16.894	VV	383727	9657233	33.27%	1.368%
301	16.925	16.894	16.952	VV	355454	6797696	23.42%	0.963%
302	16.997	16.952	17.014	VV	124416	4078937	14.05%	0.578%
303	17.022	17.014	17.036	VV	123316	1544202	5.32%	0.219%
304	17.064	17.036	17.085	VV	123261	3306305	11.39%	0.468%
305	17.133	17.085	17.142	VV	148323	4291567	14.79%	0.608%
306	17.175	17.142	17.218	VV	174167	6809121	23.46%	0.964%
307	17.235	17.218	17.254	VV	122605	2546611	8.77%	0.361%
308	17.294	17.254	17.374	VV	231269	11553367	39.81%	1.636%
309	17.441	17.374	17.451	VV	374376	9814645	33.82%	1.390%
310	17.460	17.451	17.487	VV	384533	5666140	19.52%	0.802%
311	17.521	17.487	17.568	VV	257070	8907550	30.69%	1.261%
312	17.604	17.568	17.667	VV	174259	8955429	30.86%	1.268%
313	17.690	17.667	17.711	VV	143231	3496011	12.05%	0.495%
314	17.743	17.711	17.756	VV	160238	3917446	13.50%	0.555%
315	17.772	17.756	17.816	VV	170564	5478206	18.88%	0.776%
316	17.896	17.816	17.948	VV	331433	18233559	62.82%	2.582%
317	17.989	17.948	18.063	VV	290311	16083005	55.41%	2.277%
318	18.112	18.063	18.154	VV	307424	12644809	43.57%	1.791%
319	18.169	18.154	18.189	VV	198029	3956459	13.63%	0.560%
320	18.222	18.189	18.287	VV	291782	11827382	40.75%	1.675%
321	18.321	18.287	18.331	VV	299401	6141254	21.16%	0.870%
322	18.360	18.331	18.421	VV	330194	14293695	49.25%	2.024%
323	18.458	18.421	18.474	VV	387603	9852016	33.95%	1.395%
324	18.496	18.474	18.538	VV	454156	13485171	46.46%	1.910%
325	18.603	18.538	18.643	VV	533605	20944769	72.17%	2.966%
326	18.694	18.643	18.754	VV	329976	17788466	61.29%	2.519%
327	18.766	18.754	18.788	VV	201197	3912947	13.48%	0.554%
328	18.816	18.788	18.845	VV	233364	7479863	25.77%	1.059%
329	18.925	18.845	18.950	VV	322968	17372169	59.86%	2.460%
330	18.968	18.950	18.994	VV	303353	7393186	25.47%	1.047%
331	19.032	18.994	19.081	VV	410742	18109700	62.40%	2.564%
332	19.125	19.081	19.240	VV	487560	29023100	100.00%	4.110%
333	19.300	19.240	19.347	VV	297758	16107289	55.50%	2.281%
334	19.379	19.347	19.408	VV	254031	8438936	29.08%	1.195%
335	19.437	19.408	19.465	VV	245137	7962561	27.44%	1.128%
336	19.513	19.465	19.531	VV	266552	9882874	34.05%	1.400%
337	19.586	19.531	19.654	VV	283253	19084540	65.76%	2.703%
338	19.673	19.654	19.696	VV	258709	6022060	20.75%	0.853%
339	19.775	19.696	19.802	VV	288772	16387448	56.46%	2.321%
340	19.826	19.802	19.867	VV	300586	10078131	34.72%	1.427%
341	19.888	19.867	19.975	VV	231275	13684448	47.15%	1.938%
342	19.988	19.975	20.004	VV	191864	3285495	11.32%	0.465%
343	20.048	20.004	20.102	VV	240643	12224066	42.12%	1.731%
344	20.154	20.102	20.191	VV	416141	15145855	52.19%	2.145%
345	20.251	20.191	20.305	VV	274125	15308006	52.74%	2.168%
346	20.371	20.305	20.439	VV	225762	16391057	56.48%	2.321%
347	20.489	20.439	20.544	VV	200378	10676142	36.78%	1.512%
348	20.635	20.544	20.720	VV	236532	19216955	66.21%	2.721%
349	20.742	20.720	20.777	VV	141377	4478338	15.43%	0.634%
350	20.836	20.777	20.931	VV	145316	11300084	38.93%	1.600%
351	20.940	20.931	20.988	VV	107244	3516776	12.12%	0.498%

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352	21.024	20.988	21.162	VV	124158	11305713	38.95%	1.601%
353	21.182	21.162	21.206	VV	101553	2516103	8.67%	0.356%
354	21.222	21.206	21.263	VV	87195	2686643	9.26%	0.380%
355	21.315	21.263	21.362	VV	83862	4125350	14.21%	0.584%
356	21.371	21.362	21.380	VV	46800	485336	1.67%	0.069%
357	21.443	21.380	21.488	VV	67686	3538685	12.19%	0.501%
358	21.519	21.488	21.561	VV	59050	2293252	7.90%	0.325%
359	21.643	21.561	21.717	VV	73331	5198319	17.91%	0.736%
360	21.730	21.717	21.815	VV	43625	1852072	6.38%	0.262%
361	21.824	21.815	21.834	VV	22098	237449	0.82%	0.034%
362	21.868	21.834	21.881	VV	25469	588218	2.03%	0.083%
363	21.890	21.881	21.908	VV	17889	215984	0.74%	0.031%
364	21.969	21.908	22.029	VV	33712	1377468	4.75%	0.195%
365	22.071	22.029	22.129	VV	31984	942328	3.25%	0.133%

Sum of corrected areas: 706171261

Aliphatic EPH 040225.M Tue Apr 08 03:26:29 2025

7

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040825AL\
Data File : FC068510.D
Signal(s) : FID1A.ch
Acq On : 08 Apr 2025 09:30
Operator : YP/AJ
Sample : Q1736-01DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GST1DL

Integration File: autoint1.e
Quant Time: Apr 09 04:12:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Mon Apr 07 16:09:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.722	1595521	12.373 ug/ml
Spiked Amount	50.000	Recovery	= 24.75%
12) S 1-chlorooctadecane (S...	13.156	1366124	14.851 ug/ml
Spiked Amount	50.000	Recovery	= 29.70%

Target Compounds

(f)=RT Delta > 1/2 Window

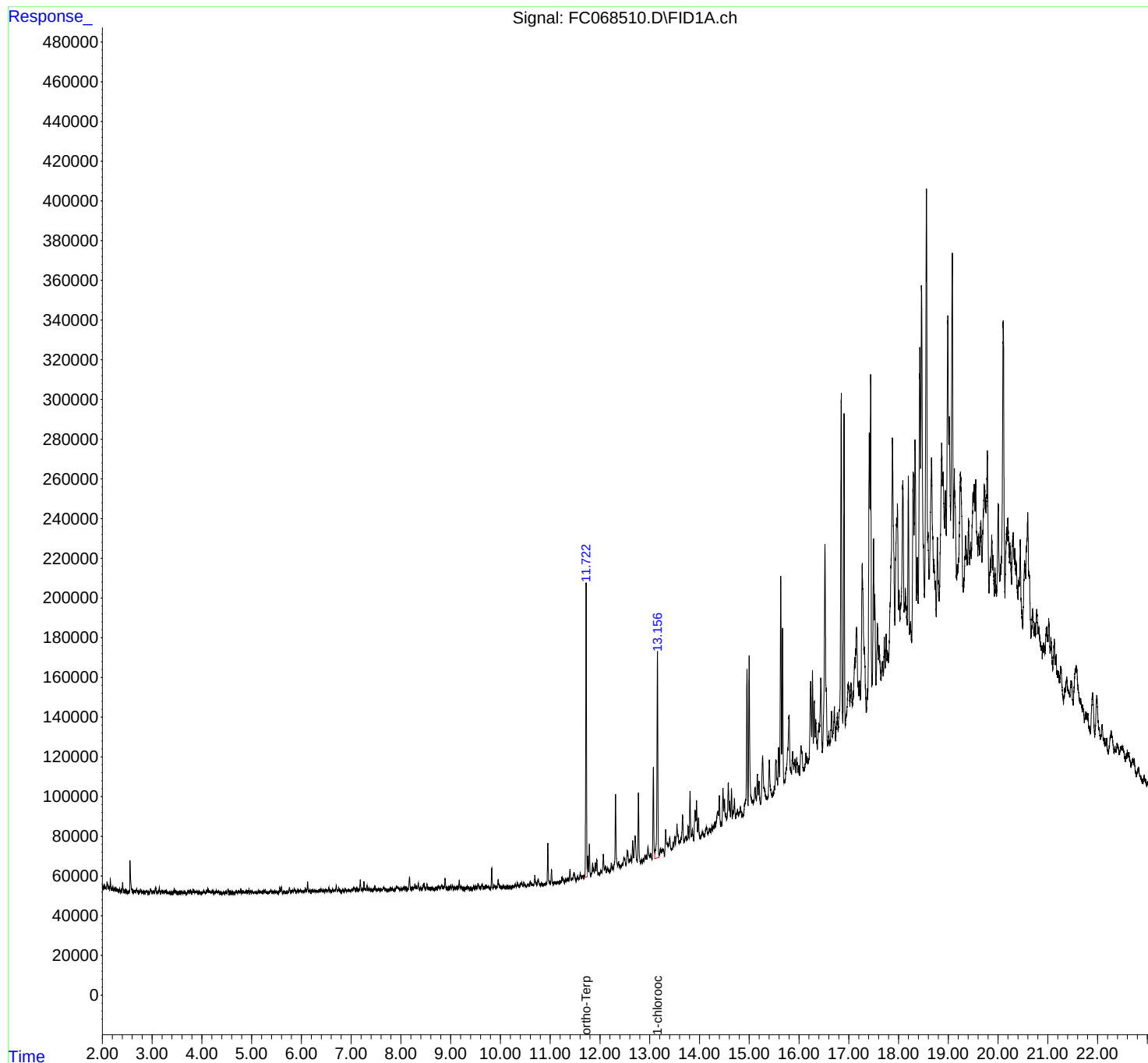
(m)=manual int.

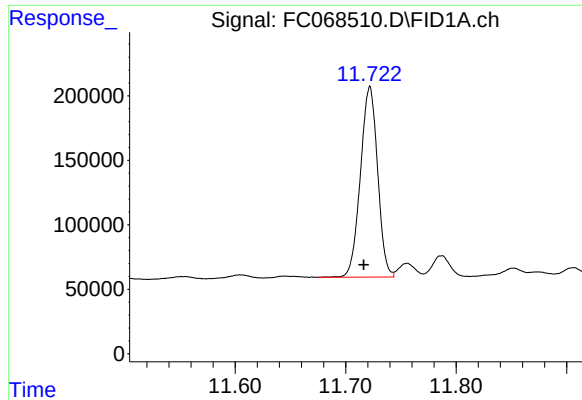
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040825AL\
Data File : FC068510.D
Signal(s) : FID1A.ch
Acq On : 08 Apr 2025 09:30
Operator : YP/AJ
Sample : Q1736-01DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GST1DL

Integration File: autoint1.e
Quant Time: Apr 09 04:12:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Mon Apr 07 16:09:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

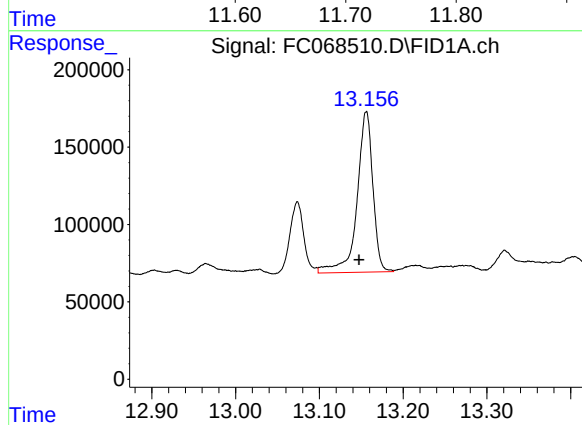




#9 ortho-Terphenyl (SURR)

R.T.: 11.722 min
Delta R.T.: 0.005 min
Response: 1595521
Conc: 12.37 ug/ml

Instrument :
FID_C
ClientSampleId :
GST1DL



#12 1-chlorooctadecane (SURR)

R.T.: 13.156 min
Delta R.T.: 0.009 min
Response: 1366124
Conc: 14.85 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040825AL\
 Data File : FC068510.D
 Signal(s) : FID1A.ch
 Acq On : 08 Apr 2025 09:30
 Sample : Q1736-01DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.345	2.304	2.364	BV	974	3472	0.03%	0.001%
2	2.378	2.364	2.389	PV	558	4511	0.04%	0.001%
3	2.407	2.389	2.447	VV	4541	41684	0.38%	0.011%
4	2.475	2.447	2.503	VV	550	8372	0.08%	0.002%
5	2.515	2.503	2.522	PV	90	416	0.00%	0.000%
6	2.558	2.522	2.626	VV	14082	175360	1.61%	0.047%
7	2.640	2.626	2.669	VV	904	13271	0.12%	0.004%
8	2.689	2.669	2.699	VV	1636	16481	0.15%	0.004%
9	2.704	2.699	2.723	VV	1182	8495	0.08%	0.002%
10	2.744	2.723	2.755	VV	703	6332	0.06%	0.002%
11	2.771	2.755	2.854	VV	1801	24534	0.23%	0.007%
12	2.896	2.854	2.931	VV	836	17320	0.16%	0.005%
13	2.964	2.931	2.996	PV	1831	28409	0.26%	0.008%
14	3.013	2.996	3.023	VV	439	6059	0.06%	0.002%
15	3.034	3.023	3.051	VV	518	6561	0.06%	0.002%
16	3.069	3.051	3.118	VV	2494	40058	0.37%	0.011%
17	3.145	3.118	3.166	VV	3036	35260	0.32%	0.009%
18	3.194	3.166	3.216	VV	1361	18961	0.17%	0.005%
19	3.230	3.216	3.244	VV	675	7583	0.07%	0.002%
20	3.267	3.244	3.282	VV	1136	16080	0.15%	0.004%
21	3.292	3.282	3.310	VV	938	8910	0.08%	0.002%
22	3.337	3.310	3.362	VV	444	8902	0.08%	0.002%
23	3.384	3.362	3.409	VV	339	5844	0.05%	0.002%
24	3.445	3.409	3.459	VV	2482	24575	0.23%	0.007%
25	3.469	3.459	3.525	VV	1097	16092	0.15%	0.004%
26	3.549	3.525	3.561	PV	492	5144	0.05%	0.001%
27	3.576	3.561	3.588	VV	661	6897	0.06%	0.002%
28	3.600	3.588	3.615	VV	583	5419	0.05%	0.001%
29	3.648	3.615	3.684	VV	718	15043	0.14%	0.004%
30	3.723	3.684	3.743	VV	1284	21723	0.20%	0.006%
31	3.755	3.743	3.796	VV	1156	23904	0.22%	0.006%
32	3.824	3.796	3.848	VV	2156	27277	0.25%	0.007%
33	3.860	3.848	3.874	VV	968	11256	0.10%	0.003%
34	3.896	3.874	3.912	VV	930	15132	0.14%	0.004%
35	3.922	3.912	3.933	VV	502	4685	0.04%	0.001%
36	3.948	3.933	3.983	VV	1162	16527	0.15%	0.004%

Page 1

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37	3.999	3.983	4.011	VV	628	5424	0.05%	0.001%
38	4.033	4.011	4.079	VV	1178	25901	0.24%	0.007%
39	4.096	4.079	4.108	VV	1766	17765	0.16%	0.005%
40	4.123	4.108	4.138	VV	2441	27308	0.25%	0.007%
41	4.151	4.138	4.173	VV	1337	18028	0.17%	0.005%
42	4.188	4.173	4.200	VV	842	11386	0.10%	0.003%
43	4.219	4.200	4.244	VV	1578	20504	0.19%	0.005%
44	4.291	4.244	4.314	VV	1668	26800	0.25%	0.007%
45	4.331	4.314	4.359	VV	1174	18960	0.17%	0.005%
46	4.371	4.359	4.382	VV	508	4914	0.05%	0.001%
47	4.391	4.382	4.414	VV	384	3337	0.03%	0.001%
48	4.443	4.414	4.463	PV	652	9314	0.09%	0.002%
49	4.485	4.463	4.508	VV	848	13216	0.12%	0.004%
50	4.525	4.508	4.555	VV	2264	26059	0.24%	0.007%
51	4.572	4.555	4.586	VV	787	8353	0.08%	0.002%
52	4.599	4.586	4.614	VV	596	6825	0.06%	0.002%
53	4.625	4.614	4.658	VV	439	6740	0.06%	0.002%
54	4.684	4.658	4.713	VV	859	16745	0.15%	0.004%
55	4.731	4.713	4.742	VV	1109	14495	0.13%	0.004%
56	4.749	4.742	4.766	VV	912	11011	0.10%	0.003%
57	4.782	4.766	4.799	VV	2333	22784	0.21%	0.006%
58	4.815	4.799	4.828	VV	989	11347	0.10%	0.003%
59	4.835	4.828	4.849	VV	889	8744	0.08%	0.002%
60	4.861	4.849	4.872	VV	723	7545	0.07%	0.002%
61	4.905	4.872	4.925	VV	1229	22609	0.21%	0.006%
62	4.944	4.925	4.964	VV	1550	21428	0.20%	0.006%
63	4.977	4.964	4.991	VV	644	8939	0.08%	0.002%
64	5.008	4.991	5.028	VV	1312	16424	0.15%	0.004%
65	5.059	5.028	5.071	VV	674	10988	0.10%	0.003%
66	5.077	5.071	5.111	VV	588	9909	0.09%	0.003%
67	5.138	5.111	5.151	VV	867	11260	0.10%	0.003%
68	5.169	5.151	5.196	VV	1054	17020	0.16%	0.005%
69	5.226	5.196	5.238	VV	841	12839	0.12%	0.003%
70	5.254	5.238	5.295	VV	1165	27084	0.25%	0.007%
71	5.303	5.295	5.316	VV	358	3002	0.03%	0.001%
72	5.337	5.316	5.353	PV	392	5493	0.05%	0.001%
73	5.388	5.353	5.416	VV	1793	28005	0.26%	0.008%
74	5.437	5.416	5.447	VV	553	8682	0.08%	0.002%
75	5.465	5.447	5.482	VV	1030	13819	0.13%	0.004%
76	5.496	5.482	5.544	VV	643	13295	0.12%	0.004%
77	5.568	5.544	5.584	VV	2443	27721	0.25%	0.007%
78	5.599	5.584	5.624	VV	3070	33353	0.31%	0.009%
79	5.641	5.624	5.676	PV	845	13356	0.12%	0.004%
80	5.705	5.676	5.714	VV	374	6910	0.06%	0.002%
81	5.725	5.714	5.738	VV	329	3851	0.04%	0.001%
82	5.760	5.738	5.801	VV	2614	37415	0.34%	0.010%
83	5.815	5.801	5.832	VV	632	10344	0.09%	0.003%
84	5.856	5.832	5.897	VV	1874	37594	0.34%	0.010%
85	5.918	5.897	5.931	VV	948	12230	0.11%	0.003%
86	5.945	5.931	5.957	VV	948	11864	0.11%	0.003%
87	5.984	5.957	6.009	VV	1177	23902	0.22%	0.006%
88	6.027	6.009	6.050	VV	935	12969	0.12%	0.003%
89	6.079	6.050	6.093	VV	1664	24977	0.23%	0.007%

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90	6.126	6.093	6.151	VV	5320	71620	0.66%	0.019%
91	6.170	6.151	6.188	VV	979	14341	0.13%	0.004%
92	6.230	6.188	6.248	VV	951	21011	0.19%	0.006%
93	6.272	6.248	6.291	VV	996	19423	0.18%	0.005%
94	6.305	6.291	6.332	VV	876	16009	0.15%	0.004%
95	6.370	6.332	6.383	VV	999	22198	0.20%	0.006%
96	6.398	6.383	6.418	VV	1395	19368	0.18%	0.005%
97	6.437	6.418	6.458	VV	1331	17520	0.16%	0.005%
98	6.486	6.458	6.502	VV	956	17489	0.16%	0.005%
99	6.516	6.502	6.534	VV	814	12534	0.12%	0.003%
100	6.551	6.534	6.568	VV	2285	26324	0.24%	0.007%
101	6.577	6.568	6.602	VV	786	9170	0.08%	0.002%
102	6.624	6.602	6.668	PV	1223	23041	0.21%	0.006%
103	6.676	6.668	6.684	VV	665	6246	0.06%	0.002%
104	6.702	6.684	6.723	VV	3410	40275	0.37%	0.011%
105	6.753	6.723	6.802	VV	1559	32650	0.30%	0.009%
106	6.831	6.802	6.856	VV	1205	18758	0.17%	0.005%
107	6.882	6.856	6.908	VV	1307	25359	0.23%	0.007%
108	6.955	6.908	6.977	VV	938	26381	0.24%	0.007%
109	7.025	6.977	7.038	VV	1317	29806	0.27%	0.008%
110	7.056	7.038	7.075	VV	1867	32036	0.29%	0.009%
111	7.084	7.075	7.101	VV	1311	16401	0.15%	0.004%
112	7.116	7.101	7.144	VV	1776	28214	0.26%	0.008%
113	7.184	7.144	7.205	VV	5818	73219	0.67%	0.020%
114	7.218	7.205	7.237	VV	1049	15003	0.14%	0.004%
115	7.257	7.237	7.300	VV	4851	71225	0.65%	0.019%
116	7.319	7.300	7.338	VV	2977	34524	0.32%	0.009%
117	7.359	7.338	7.424	VV	1395	37717	0.35%	0.010%
118	7.445	7.424	7.458	VV	991	14536	0.13%	0.004%
119	7.477	7.458	7.518	VV	2624	41402	0.38%	0.011%
120	7.534	7.518	7.549	VV	798	11833	0.11%	0.003%
121	7.570	7.549	7.588	VV	912	15935	0.15%	0.004%
122	7.601	7.588	7.631	VV	716	16046	0.15%	0.004%
123	7.654	7.631	7.691	VV	2036	41526	0.38%	0.011%
124	7.707	7.691	7.728	VV	729	9833	0.09%	0.003%
125	7.742	7.728	7.756	VV	425	5435	0.05%	0.001%
126	7.780	7.756	7.798	VV	1129	19403	0.18%	0.005%
127	7.821	7.798	7.861	VV	1192	28409	0.26%	0.008%
128	7.874	7.861	7.884	VV	599	6455	0.06%	0.002%
129	7.910	7.884	7.984	VV	2143	72393	0.66%	0.019%
130	8.001	7.984	8.024	VV	1053	17516	0.16%	0.005%
131	8.066	8.024	8.083	VV	1707	40371	0.37%	0.011%
132	8.100	8.083	8.142	VV	1686	34314	0.31%	0.009%
133	8.172	8.142	8.194	VV	6736	93915	0.86%	0.025%
134	8.205	8.194	8.216	VV	866	11207	0.10%	0.003%
135	8.240	8.216	8.254	VV	1274	25484	0.23%	0.007%
136	8.283	8.254	8.297	VV	2970	43880	0.40%	0.012%
137	8.310	8.297	8.326	VV	2327	27846	0.26%	0.007%
138	8.349	8.326	8.377	VV	3655	52432	0.48%	0.014%
139	8.397	8.377	8.418	VV	1440	20796	0.19%	0.006%
140	8.446	8.418	8.453	VV	2012	25777	0.24%	0.007%
141	8.467	8.453	8.488	VV	3228	42330	0.39%	0.011%

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142	8.523	8.488	8.547	VV	2844	50270	0.46%	0.013%
143	8.557	8.547	8.591	VV	1014	20223	0.19%	0.005%
144	8.605	8.591	8.614	VV	764	8453	0.08%	0.002%
145	8.633	8.614	8.667	VV	785	18359	0.17%	0.005%
146	8.714	8.667	8.729	VV	1208	22010	0.20%	0.006%
147	8.762	8.729	8.786	VV	1803	39015	0.36%	0.010%
148	8.818	8.786	8.850	VV	2363	53934	0.49%	0.014%
149	8.888	8.850	8.913	VV	5553	85331	0.78%	0.023%
150	8.925	8.913	8.948	VV	801	14144	0.13%	0.004%
151	8.973	8.948	8.986	VV	1502	21913	0.20%	0.006%
152	9.002	8.986	9.020	VV	1792	24358	0.22%	0.007%
153	9.036	9.020	9.055	VV	2372	27775	0.25%	0.007%
154	9.089	9.055	9.099	VV	839	17746	0.16%	0.005%
155	9.126	9.099	9.142	VV	1281	22928	0.21%	0.006%
156	9.172	9.142	9.194	VV	4220	56029	0.51%	0.015%
157	9.211	9.194	9.233	VV	1431	18335	0.17%	0.005%
158	9.258	9.233	9.285	VV	556	9787	0.09%	0.003%
159	9.328	9.285	9.344	VV	1119	15824	0.15%	0.004%
160	9.360	9.344	9.391	VV	1386	16014	0.15%	0.004%
161	9.408	9.391	9.424	VV	423	4601	0.04%	0.001%
162	9.465	9.424	9.486	PV	1447	21667	0.20%	0.006%
163	9.504	9.486	9.525	VV	1141	15717	0.14%	0.004%
164	9.549	9.525	9.602	VV	2926	50954	0.47%	0.014%
165	9.630	9.602	9.660	VV	2036	36839	0.34%	0.010%
166	9.671	9.660	9.684	VV	584	7097	0.07%	0.002%
167	9.703	9.684	9.718	VV	1250	19907	0.18%	0.005%
168	9.728	9.718	9.800	VV	1124	30743	0.28%	0.008%
169	9.825	9.800	9.849	VV	10286	102282	0.94%	0.027%
170	9.871	9.849	9.905	PV	1361	26299	0.24%	0.007%
171	9.920	9.905	9.932	VV	659	9919	0.09%	0.003%
172	9.954	9.932	10.016	VV	4378	73719	0.68%	0.020%
173	10.032	10.016	10.043	VV	477	6268	0.06%	0.002%
174	10.062	10.043	10.101	VV	796	13499	0.12%	0.004%
175	10.132	10.101	10.204	PV	636	15339	0.14%	0.004%
176	10.254	10.204	10.275	VV	657	14337	0.13%	0.004%
177	10.297	10.275	10.324	VV	1528	25303	0.23%	0.007%
178	10.343	10.324	10.368	VV	2040	29210	0.27%	0.008%
179	10.405	10.368	10.413	VV	1605	25061	0.23%	0.007%
180	10.428	10.413	10.453	VV	2311	32615	0.30%	0.009%
181	10.471	10.453	10.516	VV	2219	31684	0.29%	0.008%
182	10.551	10.516	10.579	PV	1215	26210	0.24%	0.007%
183	10.600	10.579	10.641	VV	2631	44833	0.41%	0.012%
184	10.647	10.641	10.660	VV	674	5206	0.05%	0.001%
185	10.692	10.660	10.733	VV	5216	82513	0.76%	0.022%
186	10.759	10.733	10.794	VV	3170	57838	0.53%	0.016%
187	10.818	10.794	10.837	VV	636	11304	0.10%	0.003%
188	10.848	10.837	10.864	VV	717	5962	0.05%	0.002%
189	10.890	10.864	10.900	PV	279	4371	0.04%	0.001%
190	10.917	10.900	10.928	VV	777	7908	0.07%	0.002%
191	10.953	10.928	10.996	VV	20748	235028	2.16%	0.063%
192	11.027	10.996	11.065	VV	7274	89747	0.82%	0.024%
193	11.087	11.065	11.111	VV	909	14550	0.13%	0.004%
194	11.147	11.111	11.160	VV	657	12485	0.11%	0.003%

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195	11.174	11.160	11.187	VV	749	7913	0.07%	0.002%
196	11.202	11.187	11.215	VV	661	7658	0.07%	0.002%
197	11.237	11.215	11.252	VV	3016	38001	0.35%	0.010%
198	11.260	11.252	11.282	VV	1705	18984	0.17%	0.005%
199	11.309	11.282	11.328	PV	1499	26082	0.24%	0.007%
200	11.343	11.328	11.356	VV	1729	23549	0.22%	0.006%
201	11.362	11.356	11.371	VV	1290	11373	0.10%	0.003%
202	11.397	11.371	11.417	VV	6253	80095	0.73%	0.021%
203	11.478	11.417	11.521	VV	4438	113125	1.04%	0.030%
204	11.553	11.521	11.574	PV	1954	29610	0.27%	0.008%
205	11.605	11.574	11.626	VV	2992	43393	0.40%	0.012%
206	11.646	11.626	11.674	VV	1837	33585	0.31%	0.009%
207	11.722	11.674	11.744	VV	147306	1624475	14.91%	0.436%
208	11.755	11.744	11.770	VV	11031	115448	1.06%	0.031%
209	11.787	11.770	11.813	VV	16874	190816	1.75%	0.051%
210	11.852	11.813	11.888	VV	6793	141602	1.30%	0.038%
211	11.906	11.888	11.920	VV	6763	83226	0.76%	0.022%
212	11.936	11.920	11.961	VV	8010	101344	0.93%	0.027%
213	11.976	11.961	11.988	VV	997	10347	0.09%	0.003%
214	12.027	11.988	12.037	VV	1769	34634	0.32%	0.009%
215	12.068	12.037	12.090	VV	9887	141191	1.30%	0.038%
216	12.108	12.090	12.134	VV	3955	62730	0.58%	0.017%
217	12.158	12.134	12.180	VV	2352	41860	0.38%	0.011%
218	12.196	12.180	12.206	VV	1160	13751	0.13%	0.004%
219	12.228	12.206	12.244	VV	4577	56426	0.52%	0.015%
220	12.258	12.244	12.272	VV	2766	32482	0.30%	0.009%
221	12.313	12.272	12.356	VV	38392	541797	4.97%	0.145%
222	12.374	12.356	12.392	VV	4520	69773	0.64%	0.019%
223	12.405	12.392	12.421	VV	2489	34958	0.32%	0.009%
224	12.481	12.421	12.493	VV	5798	140836	1.29%	0.038%
225	12.498	12.493	12.523	VV	5143	65049	0.60%	0.017%
226	12.548	12.523	12.594	VV	9245	219117	2.01%	0.059%
227	12.624	12.594	12.638	VV	5712	106730	0.98%	0.029%
228	12.658	12.638	12.676	VV	13166	179338	1.65%	0.048%
229	12.707	12.676	12.748	VV	15108	358242	3.29%	0.096%
230	12.773	12.748	12.817	VV	35997	477938	4.39%	0.128%
231	12.835	12.817	12.856	VV	2848	48217	0.44%	0.013%
232	12.874	12.856	12.884	VV	2929	37184	0.34%	0.010%
233	12.903	12.884	12.917	VV	4569	67334	0.62%	0.018%
234	12.929	12.917	12.943	VV	4274	53675	0.49%	0.014%
235	12.965	12.943	13.007	VV	8477	187604	1.72%	0.050%
236	13.027	13.007	13.045	VV	4329	74644	0.68%	0.020%
237	13.074	13.045	13.098	VV	47895	577838	5.30%	0.155%
238	13.156	13.098	13.189	VV	105532	1463678	13.43%	0.392%
239	13.215	13.189	13.234	VV	5734	123135	1.13%	0.033%
240	13.272	13.234	13.296	VV	5335	169276	1.55%	0.045%
241	13.322	13.296	13.384	VV	14876	415369	3.81%	0.111%
242	13.403	13.384	13.453	VV	10324	268340	2.46%	0.072%
243	13.471	13.453	13.484	VV	7731	110253	1.01%	0.030%
244	13.502	13.484	13.517	VV	10301	161636	1.48%	0.043%
245	13.549	13.517	13.591	VV	16152	457347	4.20%	0.123%
246	13.661	13.591	13.688	VV	20303	597852	5.49%	0.160%

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247	13.726	13.688	13.748	VV	8913	279020	2.56%	0.075%
248	13.772	13.748	13.789	VV	13746	255630	2.35%	0.069%
249	13.810	13.789	13.841	VV	31342	502901	4.61%	0.135%
250	13.859	13.841	13.883	VV	11797	234936	2.16%	0.063%
251	13.910	13.883	13.926	VV	20868	378927	3.48%	0.102%
252	13.942	13.926	13.962	VV	25729	404342	3.71%	0.108%
253	13.980	13.962	14.009	VV	16597	329227	3.02%	0.088%
254	14.058	14.009	14.101	VV	9444	432656	3.97%	0.116%
255	14.141	14.101	14.169	VV	11392	379003	3.48%	0.102%
256	14.195	14.169	14.228	VV	10061	319153	2.93%	0.086%
257	14.248	14.228	14.263	VV	11427	211214	1.94%	0.057%
258	14.283	14.263	14.294	VV	10932	192308	1.76%	0.052%
259	14.370	14.294	14.381	VV	17725	716807	6.58%	0.192%
260	14.398	14.381	14.424	VV	25456	467271	4.29%	0.125%
261	14.433	14.424	14.443	VV	11318	123909	1.14%	0.033%
262	14.472	14.443	14.488	VV	28752	524126	4.81%	0.141%
263	14.501	14.488	14.519	VV	22792	356327	3.27%	0.096%
264	14.529	14.519	14.548	VV	15521	247809	2.27%	0.066%
265	14.580	14.548	14.597	VV	31337	613995	5.63%	0.165%
266	14.607	14.597	14.624	VV	21416	291599	2.68%	0.078%
267	14.643	14.624	14.661	VV	27334	437059	4.01%	0.117%
268	14.702	14.661	14.724	VV	22087	625658	5.74%	0.168%
269	14.766	14.724	14.788	VV	16254	545285	5.00%	0.146%
270	14.825	14.788	14.849	VV	17131	549304	5.04%	0.147%
271	14.865	14.849	14.881	VV	13602	246353	2.26%	0.066%
272	14.954	14.881	14.975	VV	85793	1730225	15.88%	0.464%
273	14.998	14.975	15.081	VV	92467	2142040	19.65%	0.574%
274	15.112	15.081	15.143	VV	25420	776462	7.12%	0.208%
275	15.163	15.143	15.180	VV	31584	570297	5.23%	0.153%
276	15.196	15.180	15.231	VV	27571	662071	6.07%	0.178%
277	15.269	15.231	15.358	VV	39844	1890527	17.35%	0.507%
278	15.403	15.358	15.459	VV	37020	1463002	13.42%	0.392%
279	15.476	15.459	15.486	VV	20903	315025	2.89%	0.084%
280	15.535	15.486	15.570	VV	36493	1366324	12.54%	0.366%
281	15.590	15.570	15.608	VV	42379	777829	7.14%	0.209%
282	15.633	15.608	15.652	VV	127380	1957381	17.96%	0.525%
283	15.670	15.652	15.718	VV	102990	1867527	17.14%	0.501%
284	15.800	15.718	15.850	VV	56412	2920763	26.80%	0.783%
285	15.871	15.850	15.897	VV	38941	951234	8.73%	0.255%
286	15.916	15.897	15.936	VV	34888	759530	6.97%	0.204%
287	15.955	15.936	15.980	VV	35267	824256	7.56%	0.221%
288	15.996	15.980	16.012	VV	31373	570269	5.23%	0.153%
289	16.040	16.012	16.084	VV	40859	1488140	13.65%	0.399%
290	16.097	16.084	16.107	VV	29144	394767	3.62%	0.106%
291	16.138	16.107	16.151	VV	36794	854479	7.84%	0.229%
292	16.163	16.151	16.176	VV	34747	489137	4.49%	0.131%
293	16.234	16.176	16.255	VV	72296	2193756	20.13%	0.588%
294	16.272	16.255	16.289	VV	76908	1204901	11.06%	0.323%
295	16.306	16.289	16.323	VV	62158	1033947	9.49%	0.277%
296	16.338	16.323	16.368	VV	52244	1216205	11.16%	0.326%
297	16.400	16.368	16.410	VV	49486	1127707	10.35%	0.302%
298	16.440	16.410	16.474	VV	71944	2050406	18.81%	0.550%
299	16.522	16.474	16.577	VV	139297	4303547	39.49%	1.154%

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300	16.601	16.577	16.618	VV	44145	964438	8.85%	0.259%
301	16.655	16.618	16.674	VV	54190	1544081	14.17%	0.414%
302	16.711	16.674	16.738	VV	55952	1778062	16.31%	0.477%
303	16.771	16.738	16.791	VV	52554	1504237	13.80%	0.403%
304	16.850	16.791	16.881	VV	214328	4980824	45.70%	1.336%
305	16.906	16.881	16.931	VV	203860	3182252	29.20%	0.853%
306	16.991	16.931	17.023	VV	66770	3175229	29.13%	0.851%
307	17.045	17.023	17.074	VV	66405	1868133	17.14%	0.501%
308	17.155	17.074	17.201	VV	92497	5547328	50.90%	1.488%
309	17.217	17.201	17.235	VV	65817	1273497	11.69%	0.341%
310	17.271	17.235	17.352	VV	124769	5892302	54.07%	1.580%
311	17.414	17.352	17.426	VV	189438	4515233	41.43%	1.211%
312	17.440	17.426	17.464	VV	220731	3296260	30.25%	0.884%
313	17.499	17.464	17.515	VV	135962	2895635	26.57%	0.776%
314	17.524	17.515	17.547	VV	107663	1670720	15.33%	0.448%
315	17.576	17.547	17.598	VV	90594	2450316	22.48%	0.657%
316	17.612	17.598	17.649	VV	81307	2279640	20.92%	0.611%
317	17.673	17.649	17.692	VV	72491	1789848	16.42%	0.480%
318	17.715	17.692	17.734	VV	85122	1916533	17.59%	0.514%
319	17.753	17.734	17.769	VV	85821	1649465	15.13%	0.442%
320	17.778	17.769	17.794	VV	77417	1155758	10.60%	0.310%
321	17.878	17.794	17.925	VV	184129	9330254	85.61%	2.502%
322	17.979	17.925	17.999	VV	150798	5635759	51.71%	1.511%
323	18.011	17.999	18.028	VV	105407	1718049	15.76%	0.461%
324	18.086	18.028	18.115	VV	161450	6148222	56.41%	1.649%
325	18.139	18.115	18.173	VV	106773	3428334	31.46%	0.919%
326	18.197	18.173	18.222	VV	163247	3451181	31.67%	0.925%
327	18.242	18.222	18.263	VV	89959	2094832	19.22%	0.562%
328	18.296	18.263	18.312	VV	165023	3758153	34.48%	1.008%
329	18.332	18.312	18.359	VV	180507	4187839	38.43%	1.123%
330	18.377	18.359	18.395	VV	121545	2355020	21.61%	0.631%
331	18.428	18.395	18.444	VV	226896	5004104	45.92%	1.342%
332	18.462	18.444	18.521	VV	258132	7703110	70.68%	2.066%
333	18.561	18.521	18.612	VV	305655	9415319	86.39%	2.525%
334	18.663	18.612	18.757	VV	167239	10898371	100.00%	2.922%
335	18.781	18.757	18.818	VV	128710	3968562	36.41%	1.064%
336	18.867	18.818	18.888	VV	175845	5929340	54.41%	1.590%
337	18.897	18.888	18.924	VV	159290	3249036	29.81%	0.871%
338	18.942	18.924	18.960	VV	150631	3030606	27.81%	0.813%
339	18.991	18.960	19.011	VV	238859	5799217	53.21%	1.555%
340	19.020	19.011	19.046	VV	187546	3517935	32.28%	0.943%
341	19.081	19.046	19.104	VV	270072	6710269	61.57%	1.799%
342	19.122	19.104	19.171	VV	158674	5414374	49.68%	1.452%
343	19.245	19.171	19.313	VV	158694	10667286	97.88%	2.860%
344	19.348	19.313	19.391	VV	126224	5408086	49.62%	1.450%
345	19.408	19.391	19.432	VV	133318	3036197	27.86%	0.814%
346	19.451	19.432	19.463	VV	122560	2172079	19.93%	0.582%
347	19.523	19.463	19.536	VV	149259	6120866	56.16%	1.641%
348	19.552	19.536	19.595	VV	152456	4701904	43.14%	1.261%
349	19.611	19.595	19.630	VV	125866	2586402	23.73%	0.694%
350	19.654	19.630	19.678	VV	131981	3485342	31.98%	0.935%
351	19.723	19.678	19.764	VV	150701	7100440	65.15%	1.904%

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352	19.785	19.764	19.820	VV	165953	4510392	41.39%	1.209%
353	19.845	19.820	19.856	VV	112143	2309628	21.19%	0.619%
354	19.874	19.856	19.925	VV	122599	4537684	41.64%	1.217%
355	19.939	19.925	19.971	VV	105883	2729299	25.04%	0.732%
356	20.004	19.971	20.034	VV	137099	4332352	39.75%	1.162%
357	20.105	20.034	20.139	VV	229147	8725015	80.06%	2.340%
358	20.171	20.139	20.183	VV	124958	3037032	27.87%	0.814%
359	20.197	20.183	20.230	VV	130090	3403214	31.23%	0.913%
360	20.241	20.230	20.269	VV	114396	2568781	23.57%	0.689%
361	20.307	20.269	20.357	VV	122198	5850203	53.68%	1.569%
362	20.366	20.357	20.404	VV	104504	2809335	25.78%	0.753%
363	20.447	20.404	20.497	VV	117175	5184803	47.57%	1.390%
364	20.535	20.497	20.549	VV	107030	2966226	27.22%	0.795%
365	20.597	20.549	20.668	VV	130747	7222016	66.27%	1.937%
366	20.695	20.668	20.728	VV	81993	2688000	24.66%	0.721%
367	20.738	20.728	20.752	VV	73866	1025066	9.41%	0.275%
368	20.776	20.752	20.808	VV	79929	2502138	22.96%	0.671%
369	20.818	20.808	20.870	VV	71933	2475411	22.71%	0.664%
370	20.880	20.870	20.891	VV	62592	771507	7.08%	0.207%
371	20.913	20.891	20.943	VV	62738	1885726	17.30%	0.506%
372	20.980	20.943	21.003	VV	71453	2396675	21.99%	0.643%
373	21.018	21.003	21.046	VV	75070	1752428	16.08%	0.470%
374	21.066	21.046	21.100	VV	64612	1896070	17.40%	0.508%
375	21.130	21.100	21.149	VV	63569	1639485	15.04%	0.440%
376	21.166	21.149	21.241	VV	56353	2637611	24.20%	0.707%
377	21.264	21.241	21.315	VV	48192	1843082	16.91%	0.494%
378	21.380	21.315	21.444	VV	43501	2901881	26.63%	0.778%
379	21.466	21.444	21.508	VV	40852	1390120	12.76%	0.373%
380	21.570	21.508	21.734	VV	48128	4627858	42.46%	1.241%
381	21.753	21.734	21.768	VV	22749	430572	3.95%	0.115%
382	21.780	21.768	21.794	VV	22785	344655	3.16%	0.092%
383	21.806	21.794	21.861	VV	22529	674830	6.19%	0.181%
384	21.898	21.861	21.943	VV	31289	1126139	10.33%	0.302%
385	21.984	21.943	22.056	VV	30667	1228895	11.28%	0.330%
386	22.093	22.056	22.167	VV	15651	604830	5.55%	0.162%
387	22.185	22.167	22.220	VV	7875	125009	1.15%	0.034%
Sum of corrected areas:						372925422		

Aliphatic EPH 040225.M Wed Apr 09 04:46:52 2025

7

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
 Data File : FC068501.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 16:52
 Operator : YP/AJ
 Sample : Q1736-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 GST2

Integration File: autoint1.e
 Quant Time: Apr 08 02:35:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 07 16:09:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.726	5571738	43.208 ug/ml
Spiked Amount	50.000	Recovery	= 86.42%
12) S 1-chlorooctadecane (S...	13.158	4166783	45.297 ug/ml
Spiked Amount	50.000	Recovery	= 90.59%

Target Compounds

(f)=RT Delta > 1/2 Window

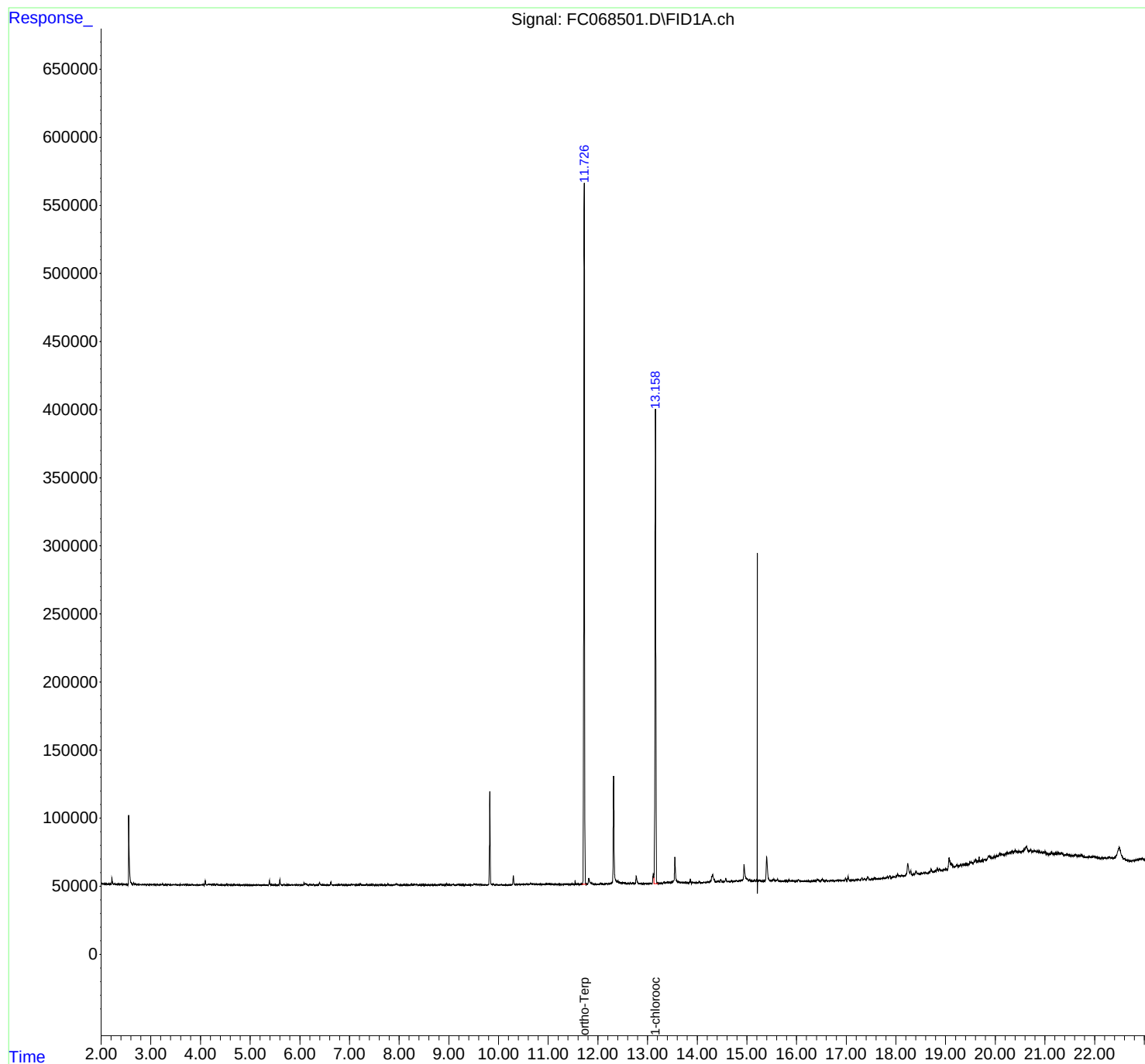
(m)=manual int.

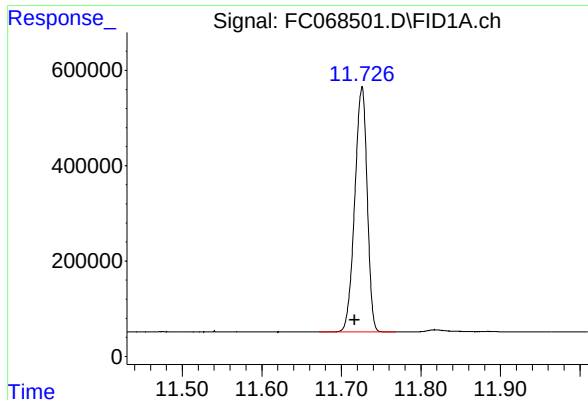
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
Data File : FC068501.D
Signal(s) : FID1A.ch
Acq On : 07 Apr 2025 16:52
Operator : YP/AJ
Sample : Q1736-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GST2

Integration File: autoint1.e
Quant Time: Apr 08 02:35:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Mon Apr 07 16:09:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

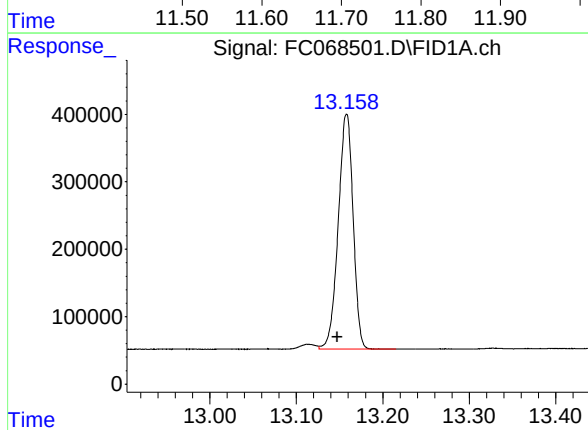




#9 ortho-Terphenyl (SURR)

R.T.: 11.726 min
Delta R.T.: 0.009 min
Response: 5571738
Conc: 43.21 ug/ml

Instrument :
FID_C
ClientSampleId :
GST2



#12 1-chlorooctadecane (SURR)

R.T.: 13.158 min
Delta R.T.: 0.011 min
Response: 4166783
Conc: 45.30 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
 Data File : FC068501.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 16:52
 Sample : Q1736-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.370	2.321	2.381	BV	80	402	0.01%	0.001%
2	2.388	2.381	2.396	VV	117	636	0.01%	0.002%
3	2.414	2.396	2.444	VV	559	5200	0.09%	0.017%
4	2.469	2.444	2.514	PV	149	2825	0.05%	0.009%
5	2.522	2.514	2.531	VV	86	469	0.01%	0.002%
6	2.555	2.531	2.641	VV	48812	493516	8.84%	1.627%
7	2.655	2.641	2.708	VV	1464	18110	0.32%	0.060%
8	2.710	2.708	2.771	VV	162	2410	0.04%	0.008%
9	2.787	2.771	2.871	VV	147	3971	0.07%	0.013%
10	2.895	2.871	2.921	PV	145	1917	0.03%	0.006%
11	2.927	2.921	2.964	VV	99	1283	0.02%	0.004%
12	2.972	2.964	3.000	VV	86	1321	0.02%	0.004%
13	3.026	3.000	3.053	VV	190	2686	0.05%	0.009%
14	3.072	3.053	3.098	VV	147	1943	0.03%	0.006%
15	3.108	3.098	3.116	PV	105	699	0.01%	0.002%
16	3.136	3.116	3.203	VV	277	6381	0.11%	0.021%
17	3.236	3.203	3.274	VV	570	7694	0.14%	0.025%
18	3.352	3.274	3.414	VV	295	8590	0.15%	0.028%
19	3.450	3.414	3.471	VV	318	3813	0.07%	0.013%
20	3.488	3.471	3.558	VV	104	2829	0.05%	0.009%
21	3.571	3.558	3.583	PV	87	890	0.02%	0.003%
22	3.647	3.583	3.678	VV	312	6555	0.12%	0.022%
23	3.692	3.678	3.737	VV	208	4961	0.09%	0.016%
24	3.753	3.737	3.813	VV	185	4869	0.09%	0.016%
25	3.829	3.813	3.852	VV	116	1894	0.03%	0.006%
26	3.866	3.852	3.909	VV	118	1997	0.04%	0.007%
27	3.937	3.909	3.991	PV	124	4119	0.07%	0.014%
28	3.998	3.991	4.008	VV	128	1018	0.02%	0.003%
29	4.016	4.008	4.027	VV	90	736	0.01%	0.002%
30	4.045	4.027	4.078	VV	151	2974	0.05%	0.010%
31	4.097	4.078	4.117	VV	3243	26607	0.48%	0.088%
32	4.149	4.117	4.198	VV	552	15313	0.27%	0.050%
33	4.209	4.198	4.235	VV	304	5915	0.11%	0.020%
34	4.243	4.235	4.258	VV	264	2940	0.05%	0.010%
35	4.291	4.258	4.309	VV	235	5275	0.09%	0.017%
36	4.326	4.309	4.370	VV	589	8395	0.15%	0.028%

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					rteres			
37	4.397	4.370	4.499	VV	221	8264	0.15%	0.027%
38	4.532	4.499	4.556	VV	782	11157	0.20%	0.037%
39	4.568	4.556	4.606	VV	274	4651	0.08%	0.015%
40	4.624	4.606	4.661	VV	238	4462	0.08%	0.015%
41	4.677	4.661	4.741	VV	473	10191	0.18%	0.034%
42	4.748	4.741	4.773	VV	193	2722	0.05%	0.009%
43	4.783	4.773	4.831	VV	252	4357	0.08%	0.014%
44	4.870	4.831	4.891	VV	225	5354	0.10%	0.018%
45	4.897	4.891	4.953	VV	174	4090	0.07%	0.013%
46	4.964	4.953	4.991	VV	176	2462	0.04%	0.008%
47	5.010	4.991	5.094	VV	175	6264	0.11%	0.021%
48	5.108	5.094	5.121	VV	209	2260	0.04%	0.007%
49	5.127	5.121	5.152	VV	208	3184	0.06%	0.010%
50	5.163	5.152	5.193	VV	198	3238	0.06%	0.011%
51	5.209	5.193	5.221	VV	143	2142	0.04%	0.007%
52	5.232	5.221	5.242	VV	161	1606	0.03%	0.005%
53	5.251	5.242	5.258	VV	122	1056	0.02%	0.003%
54	5.272	5.258	5.313	VV	297	5497	0.10%	0.018%
55	5.317	5.313	5.330	VV	155	1176	0.02%	0.004%
56	5.342	5.330	5.366	VV	149	2112	0.04%	0.007%
57	5.389	5.366	5.447	PV	3511	36169	0.65%	0.119%
58	5.459	5.447	5.509	VV	178	5177	0.09%	0.017%
59	5.528	5.509	5.548	VV	194	3188	0.06%	0.011%
60	5.572	5.548	5.580	VV	234	3266	0.06%	0.011%
61	5.598	5.580	5.661	VV	4065	43918	0.79%	0.145%
62	5.681	5.661	5.711	VV	504	7457	0.13%	0.025%
63	5.719	5.711	5.731	VV	184	1772	0.03%	0.006%
64	5.740	5.731	5.755	VV	268	2068	0.04%	0.007%
65	5.806	5.755	5.864	VV	274	13423	0.24%	0.044%
66	5.880	5.864	5.904	VV	343	6122	0.11%	0.020%
67	5.923	5.904	5.973	VV	318	9302	0.17%	0.031%
68	5.982	5.973	6.035	VV	300	7554	0.14%	0.025%
69	6.084	6.035	6.108	VV	1392	25392	0.45%	0.084%
70	6.118	6.108	6.184	VV	891	24390	0.44%	0.080%
71	6.197	6.184	6.250	VV	522	11873	0.21%	0.039%
72	6.269	6.250	6.313	VV	362	8154	0.15%	0.027%
73	6.325	6.313	6.370	VV	257	6641	0.12%	0.022%
74	6.399	6.370	6.421	VV	2061	25122	0.45%	0.083%
75	6.432	6.421	6.520	VV	431	10137	0.18%	0.033%
76	6.551	6.520	6.578	VV	175	4391	0.08%	0.014%
77	6.581	6.578	6.589	VV	203	833	0.01%	0.003%
78	6.594	6.589	6.608	VV	141	1053	0.02%	0.003%
79	6.625	6.608	6.652	VV	2365	22887	0.41%	0.075%
80	6.671	6.652	6.688	VV	138	2050	0.04%	0.007%
81	6.705	6.688	6.713	VV	168	1799	0.03%	0.006%
82	6.729	6.713	6.746	VV	143	2319	0.04%	0.008%
83	6.755	6.746	6.768	VV	124	1411	0.03%	0.005%
84	6.780	6.768	6.794	VV	153	1602	0.03%	0.005%
85	6.832	6.794	6.919	VV	340	13105	0.23%	0.043%
86	6.934	6.919	6.967	PV	138	2486	0.04%	0.008%
87	7.036	6.967	7.164	VV	376	25747	0.46%	0.085%
88	7.177	7.164	7.201	VV	181	2819	0.05%	0.009%
89	7.218	7.201	7.291	VV	1068	15955	0.29%	0.053%

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90	7.320	7.291	7.331	VV	155	2489	0.04%	0.008%	
91	7.349	7.331	7.371	VV	530	6662	0.12%	0.022%	
92	7.377	7.371	7.432	VV	151	4304	0.08%	0.014%	
93	7.480	7.432	7.515	VV	314	6540	0.12%	0.022%	
94	7.534	7.515	7.554	VV	177	3324	0.06%	0.011%	
95	7.567	7.554	7.583	VV	191	2691	0.05%	0.009%	
96	7.605	7.583	7.621	VV	228	3887	0.07%	0.013%	
97	7.627	7.621	7.661	VV	197	2514	0.05%	0.008%	
98	7.704	7.661	7.750	VV	198	5179	0.09%	0.017%	
99	7.775	7.750	7.808	PV	783	11176	0.20%	0.037%	
100	7.901	7.808	7.916	VV	245	7594	0.14%	0.025%	
101	7.937	7.916	7.952	VV	1042	12651	0.23%	0.042%	
102	7.962	7.952	8.024	VV	681	10833	0.19%	0.036%	
103	8.036	8.024	8.060	VV	172	2210	0.04%	0.007%	
104	8.112	8.060	8.132	VV	185	4546	0.08%	0.015%	
105	8.172	8.132	8.197	VV	152	4128	0.07%	0.014%	
106	8.246	8.197	8.271	VV	614	10949	0.20%	0.036%	
107	8.317	8.271	8.334	VV	864	14575	0.26%	0.048%	
108	8.351	8.334	8.404	VV	313	7258	0.13%	0.024%	
109	8.415	8.404	8.431	VV	127	1421	0.03%	0.005%	
110	8.440	8.431	8.534	VV	118	3875	0.07%	0.013%	
111	8.584	8.534	8.624	VV	230	5110	0.09%	0.017%	
112	8.656	8.624	8.666	VV	110	1591	0.03%	0.005%	
113	8.676	8.666	8.687	VV	122	1160	0.02%	0.004%	
114	8.714	8.687	8.742	VV	211	3901	0.07%	0.013%	
115	8.797	8.742	8.807	VV	198	5474	0.10%	0.018%	
116	8.830	8.807	8.881	VV	503	12572	0.23%	0.041%	
117	8.890	8.881	8.904	VV	137	1894	0.03%	0.006%	
118	8.907	8.904	8.931	VV	136	1343	0.02%	0.004%	
119	8.959	8.931	8.998	VV	905	12276	0.22%	0.040%	
120	9.089	8.998	9.154	PV	569	16024	0.29%	0.053%	
121	9.183	9.154	9.248	VV	357	13418	0.24%	0.044%	
122	9.249	9.248	9.303	VV	198	3272	0.06%	0.011%	
123	9.319	9.303	9.328	VV	114	1151	0.02%	0.004%	
124	9.393	9.328	9.412	VV	151	5111	0.09%	0.017%	
125	9.418	9.412	9.447	VV	105	1614	0.03%	0.005%	
126	9.475	9.447	9.486	VV	174	2706	0.05%	0.009%	
127	9.509	9.486	9.544	VV	857	16832	0.30%	0.055%	
128	9.555	9.544	9.604	VV	518	11980	0.21%	0.040%	
129	9.626	9.604	9.648	VV	315	6151	0.11%	0.020%	
130	9.658	9.648	9.718	VV	207	6179	0.11%	0.020%	
131	9.737	9.718	9.761	VV	242	3458	0.06%	0.011%	
132	9.826	9.761	9.878	VV	68439	678980	12.16%	2.239%	
133	9.890	9.878	9.928	VV	654	9452	0.17%	0.031%	
134	9.953	9.928	10.014	VV	491	9229	0.17%	0.030%	
135	10.030	10.014	10.040	PV	146	1208	0.02%	0.004%	
136	10.059	10.040	10.081	VV	279	3279	0.06%	0.011%	
137	10.101	10.081	10.168	VV	179	3430	0.06%	0.011%	
138	10.207	10.168	10.221	VV	109	2019	0.04%	0.007%	
139	10.225	10.221	10.233	VV	126	457	0.01%	0.002%	
140	10.301	10.233	10.361	VV	6771	80731	1.45%	0.266%	
141	10.374	10.361	10.384	VV	320	4004	0.07%	0.013%	

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142	10.403	10.384	10.422	VV	405	7264	0.13%	0.024%
143	10.431	10.422	10.460	VV	313	5998	0.11%	0.020%
144	10.494	10.460	10.511	VV	352	8873	0.16%	0.029%
145	10.559	10.511	10.617	VV	659	27165	0.49%	0.090%
146	10.647	10.617	10.674	VV	1138	22189	0.40%	0.073%
147	10.692	10.674	10.749	VV	705	22985	0.41%	0.076%
148	10.792	10.749	10.814	VV	488	15193	0.27%	0.050%
149	10.831	10.814	10.870	VV	402	9568	0.17%	0.032%
150	10.882	10.870	10.921	VV	262	6883	0.12%	0.023%
151	10.949	10.921	10.968	VV	515	9945	0.18%	0.033%
152	10.985	10.968	11.000	VV	492	8517	0.15%	0.028%
153	11.024	11.000	11.051	VV	640	15049	0.27%	0.050%
154	11.068	11.051	11.102	VV	393	8890	0.16%	0.029%
155	11.145	11.102	11.192	VV	282	10444	0.19%	0.034%
156	11.251	11.192	11.275	VV	224	6176	0.11%	0.020%
157	11.328	11.275	11.350	VV	454	8587	0.15%	0.028%
158	11.369	11.350	11.383	VV	535	6582	0.12%	0.022%
159	11.396	11.383	11.430	VV	419	6091	0.11%	0.020%
160	11.441	11.430	11.453	VV	109	1033	0.02%	0.003%
161	11.475	11.453	11.516	VV	586	9424	0.17%	0.031%
162	11.524	11.516	11.549	VV	106	3685	0.07%	0.012%
163	11.564	11.549	11.588	VV	441	7438	0.13%	0.025%
164	11.594	11.588	11.621	VV	363	3400	0.06%	0.011%
165	11.726	11.621	11.768	PV	509188	5583484	100.00%	18.410%
166	11.818	11.768	11.869	VV	4463	88318	1.58%	0.291%
167	11.886	11.869	11.939	VV	1093	16383	0.29%	0.054%
168	11.958	11.939	11.988	VV	162	1986	0.04%	0.007%
169	12.004	11.988	12.026	VV	180	2252	0.04%	0.007%
170	12.059	12.026	12.104	VV	845	16547	0.30%	0.055%
171	12.115	12.104	12.140	VV	187	2868	0.05%	0.009%
172	12.166	12.140	12.201	VV	722	12133	0.22%	0.040%
173	12.317	12.201	12.386	VV	78951	1021189	18.29%	3.367%
174	12.403	12.386	12.484	VV	2749	78569	1.41%	0.259%
175	12.497	12.484	12.583	VV	818	40171	0.72%	0.132%
176	12.596	12.583	12.614	VV	407	6493	0.12%	0.021%
177	12.649	12.614	12.684	VV	895	19347	0.35%	0.064%
178	12.708	12.684	12.730	VV	1020	14581	0.26%	0.048%
179	12.772	12.730	12.848	VV	5783	98655	1.77%	0.325%
180	12.877	12.848	12.893	VV	298	4743	0.08%	0.016%
181	12.921	12.893	12.932	VV	138	2312	0.04%	0.008%
182	12.948	12.932	12.957	VV	216	2289	0.04%	0.008%
183	12.969	12.957	13.001	VV	285	3869	0.07%	0.013%
184	13.021	13.001	13.041	PV	194	3367	0.06%	0.011%
185	13.068	13.041	13.085	VV	472	6612	0.12%	0.022%
186	13.114	13.085	13.126	VV	7169	92112	1.65%	0.304%
187	13.158	13.126	13.231	VV	349971	4175166	74.78%	13.766%
188	13.244	13.231	13.255	VV	271	2630	0.05%	0.009%
189	13.274	13.255	13.299	VV	403	6327	0.11%	0.021%
190	13.328	13.299	13.350	VV	1386	21874	0.39%	0.072%
191	13.369	13.350	13.381	VV	811	12709	0.23%	0.042%
192	13.397	13.381	13.424	VV	881	20123	0.36%	0.066%
193	13.441	13.424	13.478	VV	835	22681	0.41%	0.075%
194	13.549	13.478	13.695	VV	19603	352384	6.31%	1.162%

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195	13.742	13.695	13.811	VV	712	34725	0.62%	0.114%
196	13.859	13.811	13.884	VV	3082	44477	0.80%	0.147%
197	13.907	13.884	13.921	VV	603	9352	0.17%	0.031%
198	13.929	13.921	13.949	VV	508	6618	0.12%	0.022%
199	13.959	13.949	13.993	VV	336	6676	0.12%	0.022%
200	14.003	13.993	14.013	VV	222	2495	0.04%	0.008%
201	14.038	14.013	14.085	VV	1345	20933	0.37%	0.069%
202	14.147	14.085	14.184	VV	511	18211	0.33%	0.060%
203	14.208	14.184	14.233	VV	861	14861	0.27%	0.049%
204	14.310	14.233	14.373	VV	6082	202562	3.63%	0.668%
205	14.423	14.373	14.450	VV	1181	44195	0.79%	0.146%
206	14.474	14.450	14.517	VV	2502	54142	0.97%	0.179%
207	14.530	14.517	14.548	VV	888	14542	0.26%	0.048%
208	14.575	14.548	14.611	VV	3198	59945	1.07%	0.198%
209	14.635	14.611	14.661	VV	845	21443	0.38%	0.071%
210	14.691	14.661	14.721	VV	1483	34614	0.62%	0.114%
211	14.790	14.721	14.813	VV	1658	56055	1.00%	0.185%
212	14.851	14.813	14.868	VV	1395	36955	0.66%	0.122%
213	14.875	14.868	14.883	VV	1351	11839	0.21%	0.039%
214	14.942	14.883	15.038	VV	13052	348188	6.24%	1.148%
215	15.056	15.038	15.133	VV	1733	72476	1.30%	0.239%
216	15.156	15.133	15.180	VV	1315	31437	0.56%	0.104%
217	15.208	15.180	15.241	VV	73651	185986	3.33%	0.613%
218	15.248	15.241	15.261	VV	1152	13481	0.24%	0.044%
219	15.265	15.261	15.328	VV	1175	38321	0.69%	0.126%
220	15.341	15.328	15.358	VV	822	14138	0.25%	0.047%
221	15.397	15.358	15.507	VV	18441	396964	7.11%	1.309%
222	15.532	15.507	15.571	VV	1942	52908	0.95%	0.174%
223	15.617	15.571	15.645	VV	1764	47228	0.85%	0.156%
224	15.664	15.645	15.708	VV	854	21961	0.39%	0.072%
225	15.718	15.708	15.738	VV	528	8659	0.16%	0.029%
226	15.778	15.738	15.820	VV	642	24798	0.44%	0.082%
227	15.846	15.820	15.903	VV	1244	35225	0.63%	0.116%
228	15.926	15.903	15.991	VV	796	28158	0.50%	0.093%
229	15.999	15.991	16.007	VV	476	3954	0.07%	0.013%
230	16.035	16.007	16.118	VV	1380	38000	0.68%	0.125%
231	16.143	16.118	16.158	VV	261	4856	0.09%	0.016%
232	16.176	16.158	16.185	VV	227	2913	0.05%	0.010%
233	16.222	16.185	16.299	VV	375	15551	0.28%	0.051%
234	16.344	16.299	16.387	PV	423	11009	0.20%	0.036%
235	16.418	16.387	16.466	VV	1495	33450	0.60%	0.110%
236	16.477	16.466	16.486	VV	342	3449	0.06%	0.011%
237	16.518	16.486	16.570	VV	1323	26719	0.48%	0.088%
238	16.601	16.570	16.624	VV	686	10510	0.19%	0.035%
239	16.649	16.624	16.670	PV	116	2610	0.05%	0.009%
240	16.681	16.670	16.696	VV	217	2555	0.05%	0.008%
241	16.710	16.696	16.731	VV	274	3311	0.06%	0.011%
242	16.741	16.731	16.781	VV	194	3572	0.06%	0.012%
243	16.796	16.781	16.813	VV	188	2039	0.04%	0.007%
244	16.834	16.813	16.860	VV	332	4466	0.08%	0.015%
245	16.887	16.860	16.941	VV	385	6370	0.11%	0.021%
246	16.985	16.941	17.011	PV	1342	22189	0.40%	0.073%

					rteres			
247	17.037	17.011	17.077	VV	3007	41379	0.74%	0.136%
248	17.112	17.077	17.128	PV	223	2932	0.05%	0.010%
249	17.140	17.128	17.160	VV	260	2345	0.04%	0.008%
250	17.191	17.160	17.201	PV	215	3050	0.05%	0.010%
251	17.245	17.201	17.280	VV	519	12036	0.22%	0.040%
252	17.316	17.280	17.344	PV	1877	28708	0.51%	0.095%
253	17.364	17.344	17.399	VV	723	16127	0.29%	0.053%
254	17.434	17.399	17.468	VV	2040	39363	0.70%	0.130%
255	17.486	17.468	17.500	VV	156	2214	0.04%	0.007%
256	17.525	17.500	17.535	PV	327	3321	0.06%	0.011%
257	17.570	17.535	17.631	VV	697	20315	0.36%	0.067%
258	17.657	17.631	17.694	VV	319	6157	0.11%	0.020%
259	17.751	17.694	17.766	PV	339	9513	0.17%	0.031%
260	17.830	17.766	17.850	VV	1212	24669	0.44%	0.081%
261	17.875	17.850	17.905	VV	1851	28019	0.50%	0.092%
262	17.966	17.905	17.981	PV	769	19750	0.35%	0.065%
263	18.036	17.981	18.092	VV	2081	71376	1.28%	0.235%
264	18.112	18.092	18.138	VV	1238	23414	0.42%	0.077%
265	18.238	18.138	18.279	VV	9340	255913	4.58%	0.844%
266	18.298	18.279	18.337	VV	4216	80654	1.44%	0.266%
267	18.404	18.337	18.467	VV	3489	127056	2.28%	0.419%
268	18.510	18.467	18.541	VV	1550	54059	0.97%	0.178%
269	18.566	18.541	18.578	VV	1695	30516	0.55%	0.101%
270	18.591	18.578	18.641	VV	1524	48732	0.87%	0.161%
271	18.708	18.641	18.750	VV	3426	130481	2.34%	0.430%
272	18.831	18.750	18.856	VV	3839	150286	2.69%	0.496%
273	18.876	18.856	18.954	VV	3388	145311	2.60%	0.479%
274	18.974	18.954	18.986	VV	2590	46606	0.83%	0.154%
275	19.005	18.986	19.028	VV	2802	62800	1.12%	0.207%
276	19.070	19.028	19.176	VV	10702	509100	9.12%	1.679%
277	19.228	19.176	19.268	VV	5150	233379	4.18%	0.769%
278	19.308	19.268	19.324	VV	5183	158001	2.83%	0.521%
279	19.355	19.324	19.368	VV	5069	123904	2.22%	0.409%
280	19.409	19.368	19.451	VV	5326	241796	4.33%	0.797%
281	19.492	19.451	19.502	VV	6239	165889	2.97%	0.547%
282	19.512	19.502	19.526	VV	6186	85504	1.53%	0.282%
283	19.536	19.526	19.558	VV	6090	108515	1.94%	0.358%
284	19.605	19.558	19.629	VV	7743	281059	5.03%	0.927%
285	19.638	19.629	19.650	VV	6313	77047	1.38%	0.254%
286	19.673	19.650	19.704	VV	7776	215050	3.85%	0.709%
287	19.721	19.704	19.734	VV	6510	113957	2.04%	0.376%
288	19.781	19.734	19.814	VV	7459	330520	5.92%	1.090%
289	19.870	19.814	19.911	VV	9546	482077	8.63%	1.590%
290	19.919	19.911	19.942	VV	8393	152020	2.72%	0.501%
291	19.979	19.942	19.997	VV	8953	270166	4.84%	0.891%
292	20.019	19.997	20.038	VV	8766	205527	3.68%	0.678%
293	20.052	20.038	20.071	VV	9196	178390	3.19%	0.588%
294	20.091	20.071	20.108	VV	10767	222425	3.98%	0.733%
295	20.141	20.108	20.154	VV	10010	268822	4.81%	0.886%
296	20.170	20.154	20.188	VV	9857	189741	3.40%	0.626%
297	20.244	20.188	20.261	VV	10655	443517	7.94%	1.462%
298	20.295	20.261	20.306	VV	10493	278488	4.99%	0.918%
299	20.339	20.306	20.371	VV	11518	422247	7.56%	1.392%

					rterres			
300	20.402	20.371	20.448	VV	11791	504845	9.04%	1.665%
301	20.479	20.448	20.501	VV	11023	334777	6.00%	1.104%
302	20.625	20.501	20.693	VV	13912	1313585	23.53%	4.331%
303	20.718	20.693	20.738	VV	11036	282644	5.06%	0.932%
304	20.751	20.738	20.762	VV	10196	145084	2.60%	0.478%
305	20.795	20.762	20.815	VV	10298	317838	5.69%	1.048%
306	20.835	20.815	20.844	VV	9571	166575	2.98%	0.549%
307	20.853	20.844	20.874	VV	9614	162568	2.91%	0.536%
308	20.885	20.874	20.923	VV	9441	261497	4.68%	0.862%
309	20.935	20.923	20.950	VV	8649	137370	2.46%	0.453%
310	20.971	20.950	21.086	VV	8993	640814	11.48%	2.113%
311	21.135	21.086	21.165	VV	7789	333657	5.98%	1.100%
312	21.176	21.165	21.190	VV	7075	102731	1.84%	0.339%
313	21.206	21.190	21.224	VV	7079	135038	2.42%	0.445%
314	21.269	21.224	21.311	VV	7042	343773	6.16%	1.133%
315	21.335	21.311	21.389	VV	6474	277646	4.97%	0.915%
316	21.411	21.389	21.423	VV	5360	106491	1.91%	0.351%
317	21.458	21.423	21.525	VV	5383	295148	5.29%	0.973%
318	21.539	21.525	21.568	VV	4242	103660	1.86%	0.342%
319	21.615	21.568	21.651	VV	4375	199665	3.58%	0.658%
320	21.665	21.651	21.678	VV	3519	55678	1.00%	0.184%
321	21.681	21.678	21.690	VV	3552	25793	0.46%	0.085%
322	21.728	21.690	21.778	VV	3992	179386	3.21%	0.591%
323	21.784	21.778	21.822	VV	2730	59522	1.07%	0.196%
324	21.840	21.822	21.875	VV	2313	63058	1.13%	0.208%
325	21.895	21.875	21.917	VV	2220	48580	0.87%	0.160%
326	21.927	21.917	21.945	VV	2113	31308	0.56%	0.103%
327	21.986	21.945	22.034	VV	2090	90156	1.61%	0.297%
328	22.042	22.034	22.117	VV	1327	38208	0.68%	0.126%
Sum of corrected areas:					30328774			

Aliphatic EPH 040225.M Tue Apr 08 03:25:04 2025

7

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
 Data File : FC068498.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 15:00
 Operator : YP/AJ
 Sample : PB167477BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB167477BL

Integration File: autoint1.e
 Quant Time: Apr 08 02:33:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 07 16:09:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.726	4743922	36.788 ug/ml
Spiked Amount	50.000	Recovery	= 73.58%
12) S 1-chlorooctadecane (S...	13.157	3572616	38.837 ug/ml
Spiked Amount	50.000	Recovery	= 77.67%

Target Compounds

(f)=RT Delta > 1/2 Window

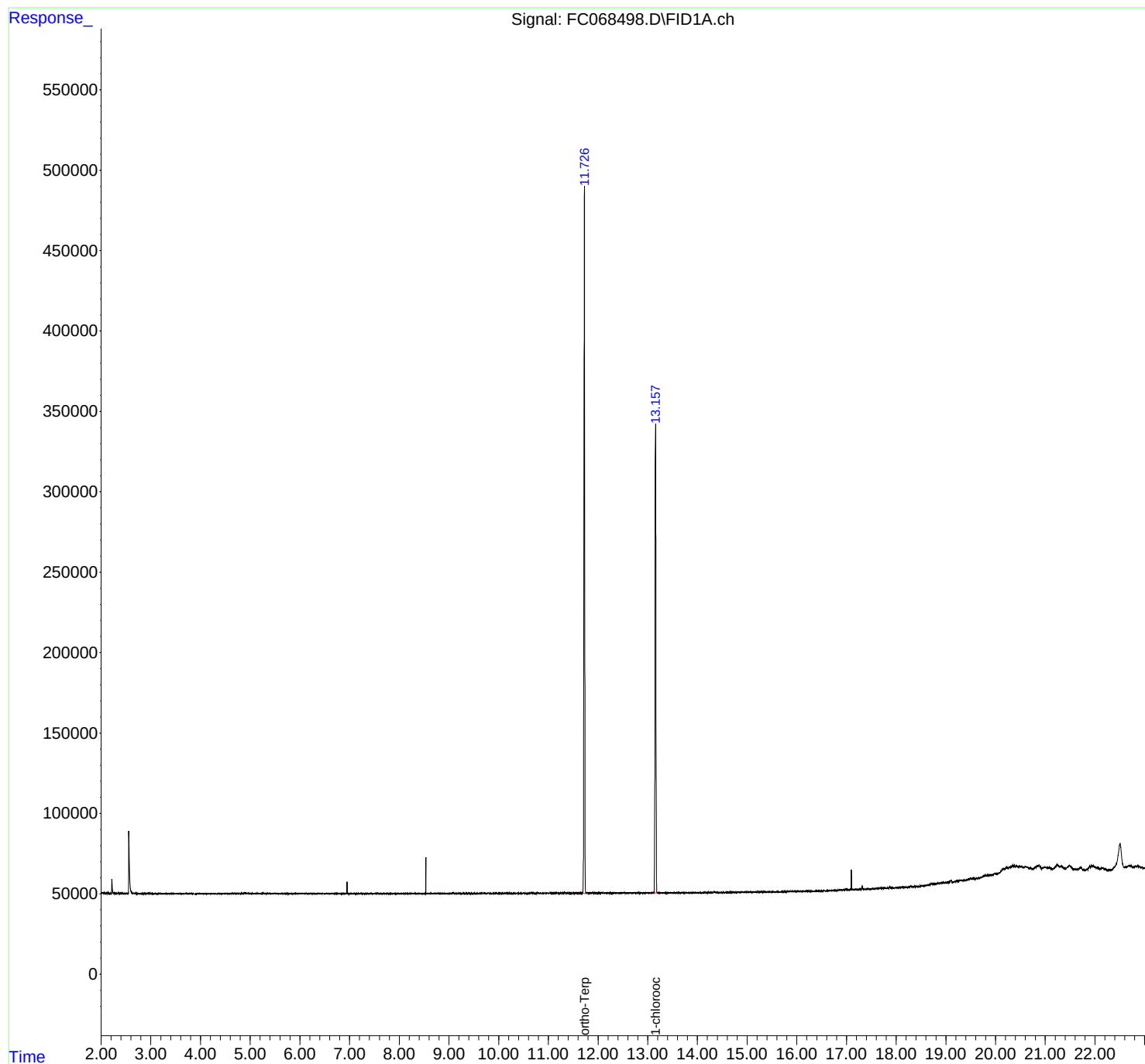
(m)=manual int.

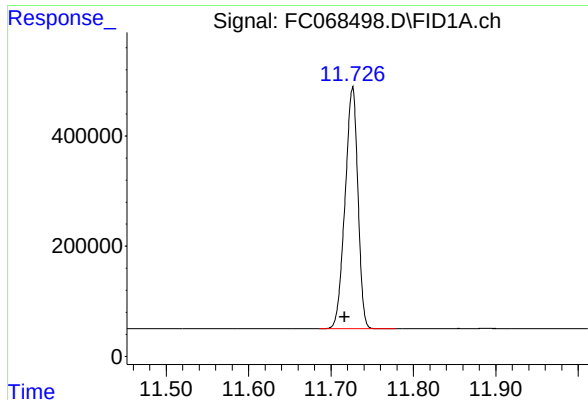
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
Data File : FC068498.D
Signal(s) : FID1A.ch
Acq On : 07 Apr 2025 15:00
Operator : YP/AJ
Sample : PB167477BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167477BL

Integration File: autoint1.e
Quant Time: Apr 08 02:33:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Mon Apr 07 16:09:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

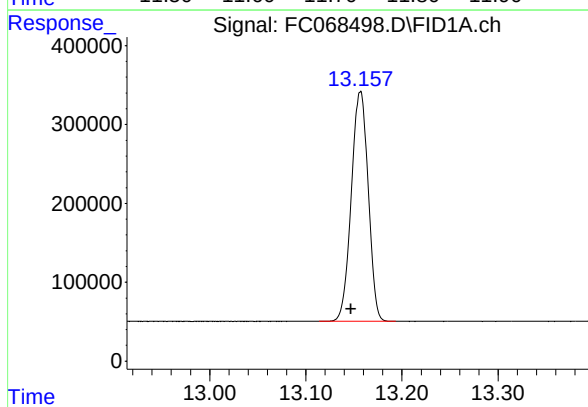




#9 ortho-Terphenyl (SURR)

R.T.: 11.726 min
Delta R.T.: 0.009 min
Response: 4743922
Conc: 36.79 ug/ml

Instrument :
FID_C
ClientSampleId :
PB167477BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.157 min
Delta R.T.: 0.009 min
Response: 3572616
Conc: 38.84 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
Data File : FC068498.D
Signal(s) : FID1A.ch
Acq On : 07 Apr 2025 15:00
Sample : PB167477BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	11.726	11.685	11.779	BB	436095	4743922	100.00%	57.042%
2	13.157	13.114	13.194	BB	291694	3572616	75.31%	42.958%
Sum of corrected areas:							8316538	

Aliphatic EPH 040225.M Tue Apr 08 03:18:41 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
 Data File : FC068499.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 15:38
 Operator : YP/AJ
 Sample : PB167477BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB167477BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/08/2025

Supervised By :mohammad ahmed 04/09/2025

Integration File: autoint1.e

Quant Time: Apr 08 02:34:01 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M

Quant Title : GC Extractables

QLast Update : Mon Apr 07 16:09:59 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.723	5017440	38.909 ug/ml
Spiked Amount 50.000		Recovery =	77.82%
12) S 1-chlorooctadecane (S...	13.155	3829400	41.629 ug/ml
Spiked Amount 50.000		Recovery =	83.26%
Target Compounds			
1) T n-Nonane (C9)	3.464	4527194	40.627 ug/ml
2) T n-Decane (C10)	4.534	4837407	41.543 ug/ml
3) T A~Naphthalene (C11.7)	6.128	5511580	44.068 ug/ml
4) T n-Dodecane (C12)	6.555	4958100	43.841 ug/ml
5) T A~2-methylnaphthalene...	7.185	5022144	41.967 ug/ml
6) T n-Tetradecane (C14)	8.353	4912505	44.017 ug/ml
7) T n-Hexadecane (C16)	9.954	4984029	43.594 ug/ml
8) T n-Octadecane (C18)	11.398	4949660	43.170 ug/ml
10) T n-Eicosane (C20)	12.710	5085985	46.494 ug/ml
11) T n-Heneicosane (C21)	13.322	4883757	45.790 ug/ml
13) T n-Docosane (C22)	13.909	4844280	44.869 ug/ml
14) T n-Tetracosane (C24)	15.008	9965257	89.396 ug/ml
15) T n-Hexacosane (C26)	16.038	4743872	42.652 ug/ml
16) T n-Octacosane (C28)	16.987	4726739	42.689 ug/ml
17) T n-Tricontane (C30)	17.877	4634804	41.928 ug/ml
18) T n-Dotriacontane (C32)	18.711	4475417	42.992 ug/ml
19) T n-Tetratriacontane (C34)	19.496	4317114	48.077 ug/ml
20) T n-Hexatriacontane (C36)	20.236	3968013	53.005 ug/ml
21) T n-Octatriacontane (C38)	21.016	3656573	58.487 ug/ml
22) T n-Tetracontane (C40)	22.000	3268804	69.965 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
Data File : FC068499.D
Signal(s) : FID1A.ch
Acq On : 07 Apr 2025 15:38
Operator : YP/AJ
Sample : PB167477BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB167477BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/08/2025

Supervised By :mohammad ahmed 04/09/2025

Integration File: autoint1.e

Quant Time: Apr 08 02:34:01 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M

Quant Title : GC Extractables

QLast Update : Mon Apr 07 16:09:59 2025

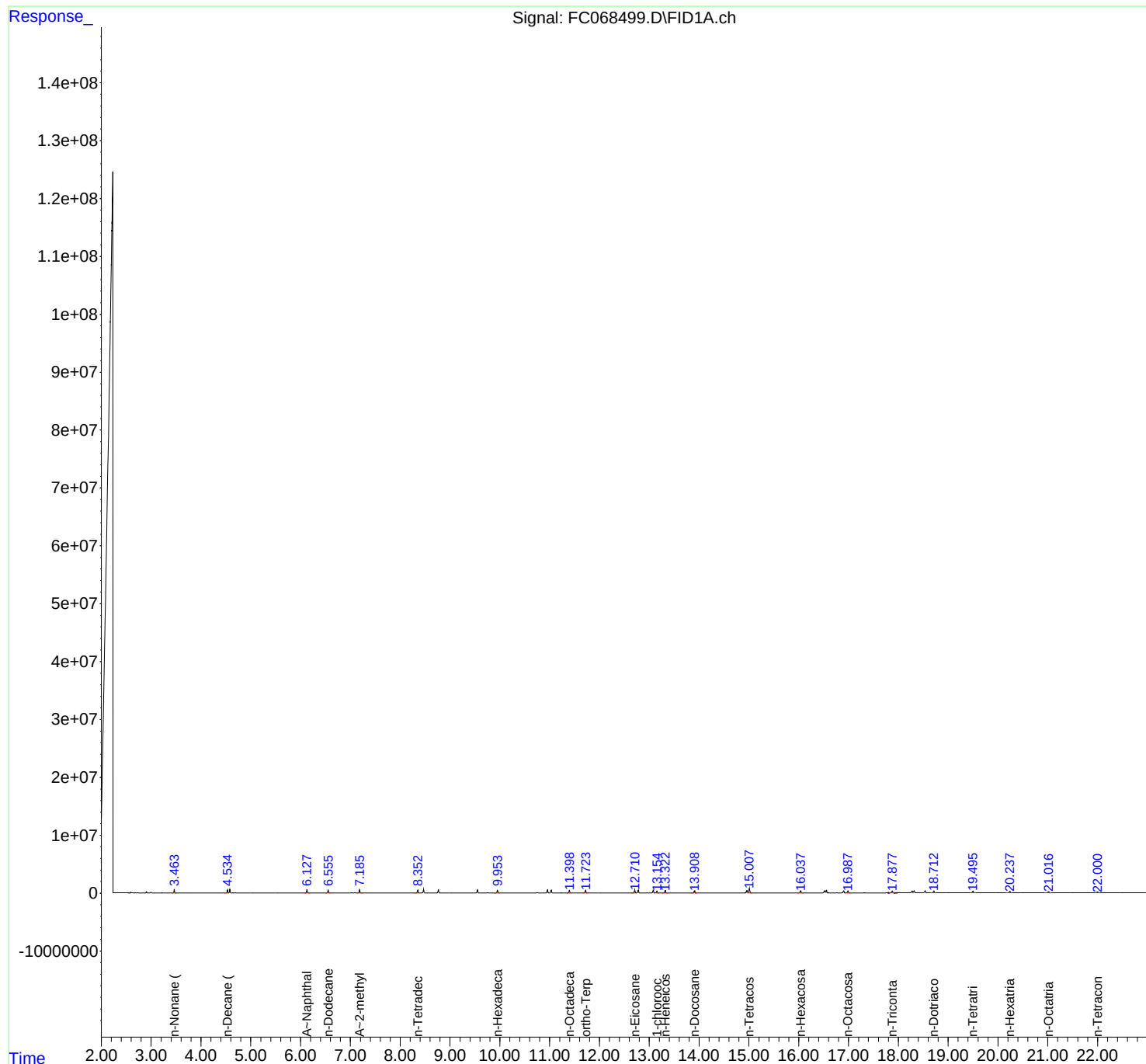
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



Instrument :

FID_C

ClientSampleId :

PB167477BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC04072

Data File : FC068499.D

Signal(s) : FID1A.ch

Acq On : 07 Apr 2025 15:38

Sample : PB167477BS

Misc :

ALS Vial : 12 Sample Multiplier: 1

Reviewed By :Yogesh Patel 04/08/2025

Supervised By :mohammad ahmed 04/09/2025

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M

Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.464	3.429	3.505	BB	546670	4527194	45.43%	2.518%
2	4.534	4.470	4.557	BV	544019	4837407	48.54%	2.690%
3	4.580	4.557	4.624	VV	614789	5250809	52.69%	2.920%
4	6.128	6.064	6.194	BB	601921	5511580	55.31%	3.065%
5	6.555	6.490	6.594	BB	511436	4958100	49.75%	2.757%
6	7.185	7.137	7.247	BB	523509	5022144	50.40%	2.793%
7	8.353	8.284	8.385	BB	481059	4912505	49.30%	2.732%
8	8.471	8.404	8.519	BB	560218	5544472	55.64%	3.084%
9	8.768	8.705	8.810	BB	555818	5559081	55.78%	3.092%
10	9.553	9.490	9.610	BB	547113	5610750	56.30%	3.120%
11	9.954	9.889	10.007	BB	460776	4984029	50.01%	2.772%
12	10.957	10.874	10.994	BV	522491	5452296	54.71%	3.032%
13	11.033	10.994	11.050	PBA	496684	5222298	52.41%	2.904%
14	11.398	11.334	11.435	BB	449117	4949660	49.67%	2.753%
15	11.723	11.664	11.769	BB	467739	5017440	50.35%	2.790%
16	12.710	12.642	12.744	BV	434502	5085985	51.04%	2.829%
17	12.780	12.744	12.825	VB	476941	5455267	54.74%	3.034%
18	13.080	13.007	13.108	BV	479155	5356971	53.76%	2.979%
19	13.155	13.108	13.204	VB	317809	3829400	38.43%	2.130%
20	13.322	13.250	13.375	BB	403386	4883757	49.01%	2.716%
21	13.909	13.839	13.954	BB	383709	4844280	48.61%	2.694%
22	14.960	14.892	14.980	BV	402458	5221497	52.40%	2.904%
23	15.008	14.980	15.069	VB	767501	9965257	100.00%	5.542%
24	16.038	15.972	16.090	BB	358784	4743872	47.60%	2.638%
25	16.520	16.445	16.536	BV	350157	5155766	51.74%	2.867%
26	16.556	16.536	16.584	VV	447055	5127612	51.45%	2.852%
27	16.903	16.825	16.942	BV	377907	4938496	49.56%	2.747%
28	16.987	16.942	17.045	VB	352854	4726739	47.43%	2.629%
29	17.877	17.812	17.932	BB	341415	4634804	46.51%	2.578%
30	18.278	18.195	18.293	BV	286393	3259300	32.71%	1.813%
31	18.538	18.442	18.604	BB	354096	5029490	50.47%	2.797%
32	18.711	18.645	18.755	BB	311626	4475417	44.91%	2.489%
33	19.496	19.440	19.555	BB	311085	4317114	43.32%	2.401%
34	20.236	20.157	20.280	VV	256469	3968013	39.82%	2.207%
35	21.016	20.930	21.075	BV	197393	3656573	36.69%	2.034%
36	21.998	21.922	22.062	PV	130997	3316975	33.29%	1.845%

Page 1

37 22.495 22.217 22.594 BB 8382 452451 4.54% 0.252%
rteres
Sum of corrected areas: 1798

Aliphatic EPH 040225.M Tue Apr 08 03:21:02 2025

Instrument :

FID_C

ClientSampleId :

PB167477BS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/08/2025

Supervised By :mohammad ahmed 04/09/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
 Data File : FC068500.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 16:15
 Operator : YP/AJ
 Sample : PB167477BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB167477BSD

Integration File: autoint1.e
 Quant Time: Apr 08 02:34:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 07 16:09:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.726	5016735	38.904 ug/ml
Spiked Amount 50.000		Recovery =	77.81%
12) S 1-chlorooctadecane (S...	13.157	3861482	41.978 ug/ml
Spiked Amount 50.000		Recovery =	83.96%
Target Compounds			
1) T n-Nonane (C9)	3.464	4508428	40.459 ug/ml
2) T n-Decane (C10)	4.535	4785213	41.095 ug/ml
3) T A~Naphthalene (C11.7)	6.129	5453427	43.603 ug/ml
4) T n-Dodecane (C12)	6.556	4901450	43.340 ug/ml
5) T A~2-methylnaphthalene...	7.187	4970712	41.537 ug/ml
6) T n-Tetradecane (C14)	8.354	4882699	43.750 ug/ml
7) T n-Hexadecane (C16)	9.957	4983600	43.590 ug/ml
8) T n-Octadecane (C18)	11.401	4975696	43.397 ug/ml
10) T n-Eicosane (C20)	12.712	5134921	46.941 ug/ml
11) T n-Heneicosane (C21)	13.325	4937020	46.289 ug/ml
13) T n-Docosane (C22)	13.912	4897705	45.364 ug/ml
14) T n-Tetracosane (C24)	15.010	10008578	89.784 ug/ml
15) T n-Hexacosane (C26)	16.040	4784492	43.017 ug/ml
16) T n-Octacosane (C28)	16.988	4749112	42.891 ug/ml
17) T n-Tricontane (C30)	17.879	4631669	41.899 ug/ml
18) T n-Dotriacontane (C32)	18.712	4418890	42.449 ug/ml
19) T n-Tetratriacontane (C34)	19.496	4147827	46.191 ug/ml
20) T n-Hexatriacontane (C36)	20.236	3618863	48.341 ug/ml
21) T n-Octatriacontane (C38)	21.015	3235533	51.752 ug/ml
22) T n-Tetracontane (C40)	21.997	3010048	64.427 ug/ml

(f)=RT Delta > 1/2 Window

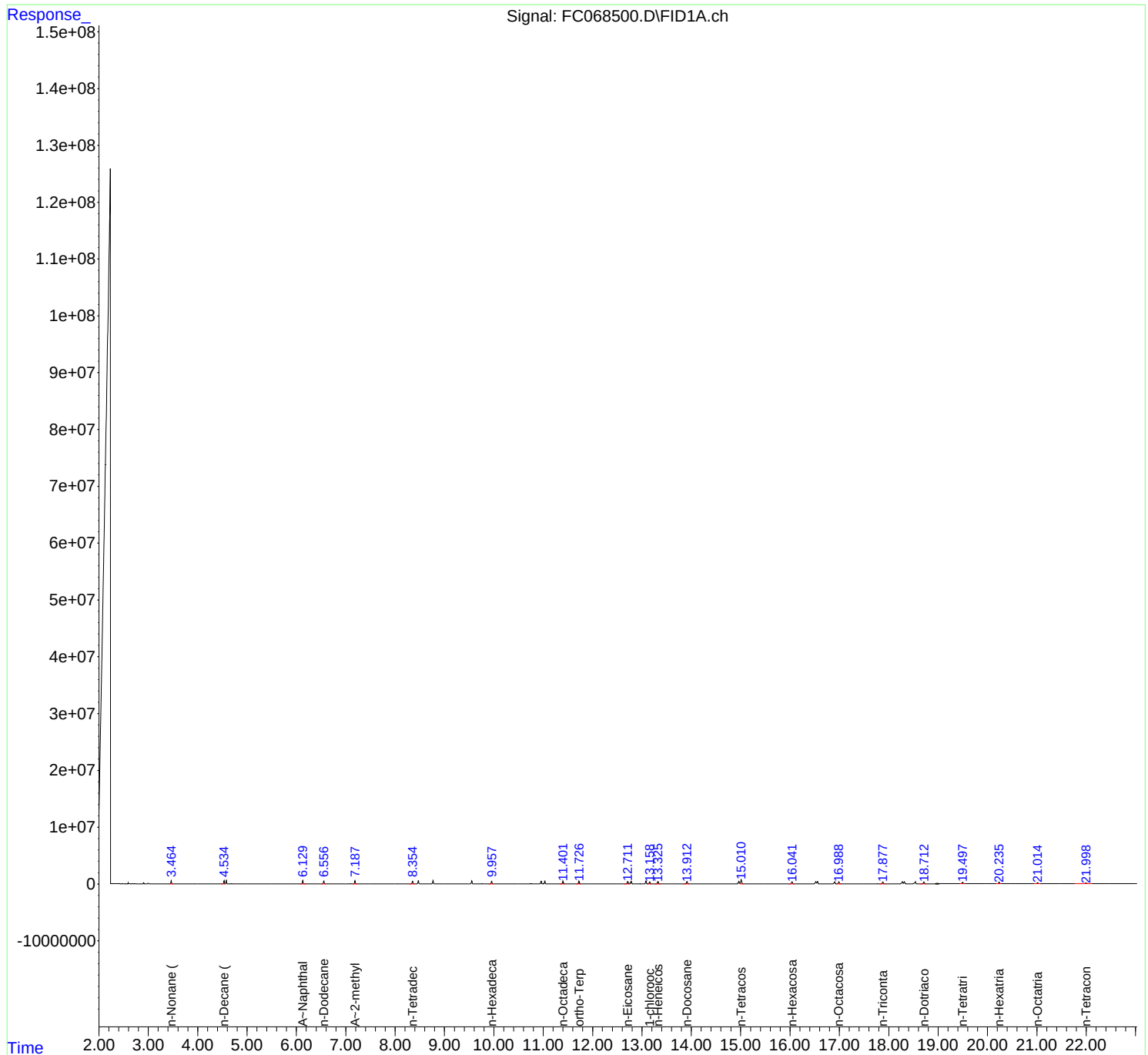
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
Data File : FC068500.D
Signal(s) : FID1A.ch
Acq On : 07 Apr 2025 16:15
Operator : YP/AJ
Sample : PB167477BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167477BSD

Integration File: autoint1.e
Quant Time: Apr 08 02:34:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Mon Apr 07 16:09:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
 Data File : FC068500.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 16:15
 Sample : PB167477BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.464	3.434	3.509	BB	547339	4508428	45.05%	2.534%
2	4.535	4.480	4.557	BV	545784	4785213	47.81%	2.689%
3	4.580	4.557	4.624	VV	599314	5180120	51.76%	2.911%
4	6.129	6.077	6.195	BB	604737	5453427	54.49%	3.065%
5	6.556	6.495	6.600	BB	505570	4901450	48.97%	2.755%
6	7.187	7.139	7.235	BB	529446	4970712	49.66%	2.793%
7	8.354	8.289	8.402	BB	477430	4882699	48.79%	2.744%
8	8.472	8.417	8.510	BB	556109	5504828	55.00%	3.094%
9	8.770	8.707	8.817	BB	590212	5526465	55.22%	3.106%
10	9.555	9.490	9.612	BB	547646	5590292	55.86%	3.142%
11	9.957	9.890	10.004	BB	461372	4983600	49.79%	2.801%
12	10.960	10.877	11.000	BV	517867	5445467	54.41%	3.060%
13	11.035	11.000	11.050	PBA	492607	4990682	49.86%	2.805%
14	11.401	11.337	11.440	BB	446907	4975696	49.71%	2.796%
15	11.726	11.667	11.769	BB	471226	5016735	50.12%	2.819%
16	12.712	12.642	12.744	BV	426415	5134921	51.31%	2.886%
17	12.782	12.744	12.822	VB	473042	5450212	54.46%	3.063%
18	13.082	13.009	13.110	BV	475840	5347864	53.43%	3.005%
19	13.157	13.110	13.200	VB	331809	3861482	38.58%	2.170%
20	13.325	13.254	13.379	BB	412383	4937020	49.33%	2.775%
21	13.912	13.842	13.959	BB	409351	4897705	48.94%	2.752%
22	14.963	14.894	14.982	BV	394353	5210055	52.06%	2.928%
23	15.010	14.982	15.069	VB	756364	10008578	100.00%	5.625%
24	16.040	15.974	16.089	BB	367294	4784492	47.80%	2.689%
25	16.522	16.452	16.537	BV	358129	5100671	50.96%	2.867%
26	16.557	16.537	16.585	VV	417097	5104974	51.01%	2.869%
27	16.904	16.825	16.939	BV	368516	4901599	48.97%	2.755%
28	16.988	16.939	17.039	VB	361838	4749112	47.45%	2.669%
29	17.879	17.814	17.937	BB	339259	4631669	46.28%	2.603%
30	18.279	18.194	18.294	BV	301770	3181963	31.79%	1.788%
31	18.538	18.442	18.592	BB	348418	4978499	49.74%	2.798%
32	18.712	18.634	18.760	BB	321955	4418890	44.15%	2.483%
33	19.496	19.440	19.539	BB	285385	4147827	41.44%	2.331%
34	20.236	20.170	20.279	BV	250061	3618863	36.16%	2.034%
35	21.015	20.940	21.070	BB	177720	3235533	32.33%	1.818%
36	21.997	21.767	22.117	BB	113250	3010048	30.07%	1.692%

Page 1

37 22.487 22.340 22.644 BB rteres 9509 510920 5.10% 0.287%
Sum of corrected areas: 177938711

Aliphatic EPH 040225.M Tue Apr 08 03:22:08 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
 Data File : FC068502.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 17:30
 Operator : YP/AJ
 Sample : Q1736-02MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 GST2MS

Integration File: autoint1.e
 Quant Time: Apr 08 02:35:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 07 16:09:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.727	5146164	39.908 ug/ml
Spiked Amount 50.000		Recovery =	79.82%
12) S 1-chlorooctadecane (S...	13.158	3943089	42.865 ug/ml
Spiked Amount 50.000		Recovery =	85.73%
Target Compounds			
1) T n-Nonane (C9)	3.465	4875280	43.751 ug/ml
2) T n-Decane (C10)	4.536	5158084	44.297 ug/ml
3) T A~Naphthalene (C11.7)	6.130	5874268	46.968 ug/ml
4) T n-Dodecane (C12)	6.557	5267306	46.575 ug/ml
5) T A~2-methylnaphthalene...	7.188	5352196	44.725 ug/ml
6) T n-Tetradecane (C14)	8.355	5232787	46.887 ug/ml
7) T n-Hexadecane (C16)	9.957	5290154	46.271 ug/ml
8) T n-Octadecane (C18)	11.402	5240139	45.703 ug/ml
10) T n-Eicosane (C20)	12.713	5333151	48.754 ug/ml
11) T n-Heneicosane (C21)	13.326	5085493	47.681 ug/ml
13) T n-Docosane (C22)	13.912	5014096	46.442 ug/ml
14) T n-Tetracosane (C24)	15.011	10129364	90.868 ug/ml
15) T n-Hexacosane (C26)	16.040	4773391	42.917 ug/ml
16) T n-Octacosane (C28)	16.990	4630495	41.820 ug/ml
17) T n-Tricontane (C30)	17.880	4550517	41.165 ug/ml
18) T n-Dotriacontane (C32)	18.713	4453308	42.780 ug/ml
19) T n-Tetratriacontane (C34)	19.498	4498977	50.102 ug/ml
20) T n-Hexatriacontane (C36)	20.240	4404073	58.830 ug/ml
21) T n-Octatriacontane (C38)	21.020	4480852	71.671 ug/ml
22) T n-Tetracontane (C40)	22.005	4466916	95.610 ug/ml

(f)=RT Delta > 1/2 Window

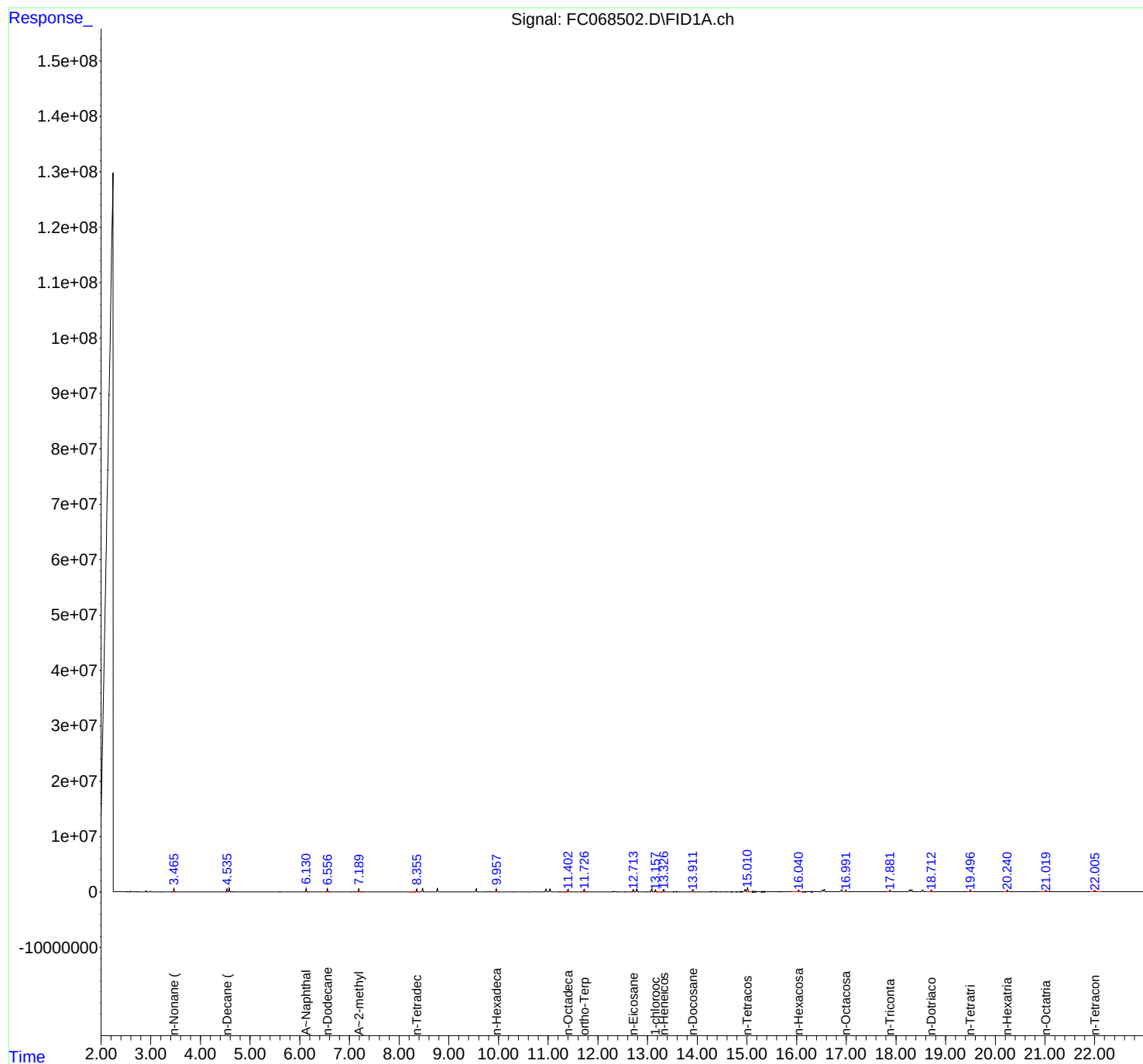
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
Data File : FC068502.D
Signal(s) : FID1A.ch
Acq On : 07 Apr 2025 17:30
Operator : YP/AJ
Sample : Q1736-02MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GST2MS

Integration File: autoint1.e
Quant Time: Apr 08 02:35:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Mon Apr 07 16:09:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
 Data File : FC068502.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 17:30
 Sample : Q1736-02MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.381	2.321	2.407	BV	7453	57859	0.57%	0.026%
2	2.420	2.407	2.449	PV	8454	49149	0.48%	0.022%
3	2.477	2.449	2.511	PV	24058	204658	2.01%	0.093%
4	2.535	2.511	2.553	PV	4384	32791	0.32%	0.015%
5	2.561	2.553	2.581	PV	402	3049	0.03%	0.001%
6	2.592	2.581	2.664	PV	93664	901695	8.84%	0.411%
7	2.684	2.664	2.708	PV	16076	130285	1.28%	0.059%
8	2.731	2.708	2.774	VV	30626	261050	2.56%	0.119%
9	2.784	2.774	2.794	PV	219	1579	0.02%	0.001%
10	2.809	2.794	2.838	VV	1327	12602	0.12%	0.006%
11	2.845	2.838	2.879	VV	250	3878	0.04%	0.002%
12	2.906	2.879	2.969	PV	202005	1503757	14.74%	0.685%
13	2.995	2.969	3.029	VV	114521	1350500	13.24%	0.615%
14	3.046	3.029	3.081	VV	1528	13656	0.13%	0.006%
15	3.094	3.081	3.109	VV	111	936	0.01%	0.000%
16	3.131	3.109	3.142	VV	161	1513	0.01%	0.001%
17	3.156	3.142	3.165	VV	277	2403	0.02%	0.001%
18	3.171	3.165	3.193	VV	242	2259	0.02%	0.001%
19	3.220	3.193	3.243	VV	3877	32402	0.32%	0.015%
20	3.254	3.243	3.271	VV	469	4136	0.04%	0.002%
21	3.292	3.271	3.331	VV	265	5222	0.05%	0.002%
22	3.364	3.331	3.434	PV	618	12157	0.12%	0.006%
23	3.465	3.434	3.545	VV	583285	4880284	47.83%	2.223%
24	3.592	3.545	3.631	PV	358	6091	0.06%	0.003%
25	3.667	3.631	3.694	VV	415	8625	0.08%	0.004%
26	3.713	3.694	3.722	VV	250	2649	0.03%	0.001%
27	3.760	3.722	3.821	VV	1830	30458	0.30%	0.014%
28	3.840	3.821	3.864	VV	186	3469	0.03%	0.002%
29	3.877	3.864	3.931	VV	166	2671	0.03%	0.001%
30	3.962	3.931	3.999	VV	419	6982	0.07%	0.003%
31	4.014	3.999	4.024	VV	123	1182	0.01%	0.001%
32	4.046	4.024	4.076	PV	329	4515	0.04%	0.002%
33	4.104	4.076	4.124	VV	3206	26041	0.26%	0.012%
34	4.151	4.124	4.202	VV	771	19352	0.19%	0.009%
35	4.219	4.202	4.244	VV	288	6027	0.06%	0.003%
36	4.249	4.244	4.284	VV	199	3399	0.03%	0.002%

Page 1

					rteres			
37	4.301	4.284	4.317	VV	566	6305	0.06%	0.003%
38	4.333	4.317	4.351	VV	602	6932	0.07%	0.003%
39	4.362	4.351	4.379	VV	471	4457	0.04%	0.002%
40	4.397	4.379	4.412	VV	222	2831	0.03%	0.001%
41	4.438	4.412	4.474	VV	126	2896	0.03%	0.001%
42	4.491	4.474	4.500	VV	100	1363	0.01%	0.001%
43	4.536	4.500	4.558	VV	575735	5160953	50.58%	2.351%
44	4.581	4.558	4.624	VV	640823	5579364	54.68%	2.541%
45	4.642	4.624	4.668	VV	5630	51351	0.50%	0.023%
46	4.688	4.668	4.728	VV	9860	89132	0.87%	0.041%
47	4.745	4.728	4.758	VV	228	2893	0.03%	0.001%
48	4.765	4.758	4.773	VV	150	1427	0.01%	0.001%
49	4.787	4.773	4.806	VV	311	4159	0.04%	0.002%
50	4.824	4.806	4.836	VV	325	3566	0.03%	0.002%
51	4.870	4.836	4.897	VV	262	6637	0.07%	0.003%
52	4.908	4.897	4.979	VV	198	5845	0.06%	0.003%
53	5.012	4.979	5.028	VV	198	3361	0.03%	0.002%
54	5.040	5.028	5.055	VV	200	2018	0.02%	0.001%
55	5.062	5.055	5.093	VV	140	2725	0.03%	0.001%
56	5.109	5.093	5.154	VV	223	5761	0.06%	0.003%
57	5.174	5.154	5.204	VV	256	5185	0.05%	0.002%
58	5.211	5.204	5.244	VV	262	3400	0.03%	0.002%
59	5.256	5.244	5.264	VV	200	1834	0.02%	0.001%
60	5.281	5.264	5.324	VV	262	5236	0.05%	0.002%
61	5.391	5.324	5.455	PV	3226	36049	0.35%	0.016%
62	5.466	5.455	5.481	VV	189	2210	0.02%	0.001%
63	5.490	5.481	5.507	VV	136	1426	0.01%	0.001%
64	5.527	5.507	5.554	VV	166	3310	0.03%	0.002%
65	5.571	5.554	5.588	VV	1621	16226	0.16%	0.007%
66	5.601	5.588	5.663	VV	3921	40959	0.40%	0.019%
67	5.683	5.663	5.724	VV	440	7874	0.08%	0.004%
68	5.729	5.724	5.735	VV	171	881	0.01%	0.000%
69	5.746	5.735	5.784	VV	149	3639	0.04%	0.002%
70	5.804	5.784	5.829	VV	394	7267	0.07%	0.003%
71	5.836	5.829	5.867	VV	233	4061	0.04%	0.002%
72	5.877	5.867	5.907	VV	295	4709	0.05%	0.002%
73	5.944	5.907	5.954	VV	317	7505	0.07%	0.003%
74	5.973	5.954	6.008	VV	343	8343	0.08%	0.004%
75	6.018	6.008	6.043	VV	251	4445	0.04%	0.002%
76	6.085	6.043	6.100	VV	1491	21715	0.21%	0.010%
77	6.130	6.100	6.168	VV	652856	5886895	57.70%	2.681%
78	6.174	6.168	6.188	VV	1073	10908	0.11%	0.005%
79	6.198	6.188	6.251	VV	755	20469	0.20%	0.009%
80	6.272	6.251	6.314	VV	588	15147	0.15%	0.007%
81	6.323	6.314	6.370	VV	379	9846	0.10%	0.004%
82	6.400	6.370	6.421	VV	1971	27138	0.27%	0.012%
83	6.431	6.421	6.477	VV	555	12807	0.13%	0.006%
84	6.497	6.477	6.524	VV	298	6423	0.06%	0.003%
85	6.557	6.524	6.607	VV	550974	5276894	51.72%	2.404%
86	6.626	6.607	6.661	VV	2326	26095	0.26%	0.012%
87	6.675	6.661	6.687	VV	217	2991	0.03%	0.001%
88	6.706	6.687	6.739	VV	575	9355	0.09%	0.004%
89	6.759	6.739	6.791	VV	234	5313	0.05%	0.002%

					rteres			
90	6.844	6.791	6.864	VV	456	12666	0.12%	0.006%
91	6.880	6.864	6.901	VV	360	5786	0.06%	0.003%
92	6.975	6.901	6.990	VV	472	12603	0.12%	0.006%
93	7.025	6.990	7.058	VV	6462	68357	0.67%	0.031%
94	7.092	7.058	7.144	VV	15017	151967	1.49%	0.069%
95	7.188	7.144	7.298	VV	557215	5372524	52.66%	2.447%
96	7.324	7.298	7.340	VV	2050	24522	0.24%	0.011%
97	7.375	7.340	7.391	VV	3034	43657	0.43%	0.020%
98	7.401	7.391	7.435	VV	1330	19889	0.19%	0.009%
99	7.451	7.435	7.463	VV	1311	13582	0.13%	0.006%
100	7.478	7.463	7.504	VV	1868	22502	0.22%	0.010%
101	7.524	7.504	7.535	VV	562	6763	0.07%	0.003%
102	7.547	7.535	7.564	VV	564	7539	0.07%	0.003%
103	7.575	7.564	7.593	VV	566	6261	0.06%	0.003%
104	7.604	7.593	7.618	VV	228	2564	0.03%	0.001%
105	7.659	7.618	7.687	VV	737	12878	0.13%	0.006%
106	7.703	7.687	7.751	VV	481	9384	0.09%	0.004%
107	7.775	7.751	7.796	VV	883	12800	0.13%	0.006%
108	7.814	7.796	7.861	VV	306	8300	0.08%	0.004%
109	7.904	7.861	7.920	VV	545	11004	0.11%	0.005%
110	7.938	7.920	7.952	VV	1197	14665	0.14%	0.007%
111	7.962	7.952	8.021	VV	685	16315	0.16%	0.007%
112	8.047	8.021	8.081	VV	1770	24094	0.24%	0.011%
113	8.104	8.081	8.158	VV	1212	20000	0.20%	0.009%
114	8.172	8.158	8.184	VV	178	2916	0.03%	0.001%
115	8.217	8.184	8.231	VV	295	6113	0.06%	0.003%
116	8.248	8.231	8.277	VV	703	12812	0.13%	0.006%
117	8.355	8.277	8.396	VV	495285	5233933	51.30%	2.384%
118	8.415	8.396	8.431	VV	298	4601	0.05%	0.002%
119	8.473	8.431	8.521	VV	598693	5863816	57.47%	2.671%
120	8.540	8.521	8.555	VV	367	5341	0.05%	0.002%
121	8.580	8.555	8.640	VV	629	11512	0.11%	0.005%
122	8.650	8.640	8.694	VV	120	2428	0.02%	0.001%
123	8.718	8.694	8.738	PV	477	4837	0.05%	0.002%
124	8.770	8.738	8.804	VV	602958	5892336	57.75%	2.684%
125	8.827	8.804	8.867	VV	524	12001	0.12%	0.005%
126	8.886	8.867	8.930	VV	398	7159	0.07%	0.003%
127	8.959	8.930	8.994	VV	873	12072	0.12%	0.005%
128	9.037	8.994	9.055	VV	968	12719	0.12%	0.006%
129	9.089	9.055	9.128	VV	610	12846	0.13%	0.006%
130	9.135	9.128	9.147	VV	183	1506	0.01%	0.001%
131	9.174	9.147	9.238	VV	970	20561	0.20%	0.009%
132	9.245	9.238	9.278	VV	146	3124	0.03%	0.001%
133	9.282	9.278	9.319	VV	166	2519	0.02%	0.001%
134	9.371	9.335	9.398	PV	219	4421	0.04%	0.002%
135	9.436	9.398	9.451	VV	218	4479	0.04%	0.002%
136	9.475	9.451	9.486	VV	290	3863	0.04%	0.002%
137	9.509	9.486	9.519	VV	874	10785	0.11%	0.005%
138	9.555	9.519	9.583	VV	569751	5949691	58.31%	2.710%
139	9.594	9.583	9.631	VV	696	11963	0.12%	0.005%
140	9.639	9.631	9.663	VV	279	4143	0.04%	0.002%
141	9.695	9.663	9.707	VV	484	8391	0.08%	0.004%

rteres								
142	9.730	9.707	9.748	VV	1814	27608	0.27%	0.013%
143	9.765	9.748	9.800	VV	9238	98106	0.96%	0.045%
144	9.827	9.800	9.873	VV	64085	654300	6.41%	0.298%
145	9.890	9.873	9.918	VV	921	12082	0.12%	0.006%
146	9.957	9.918	10.010	VV	496463	5293456	51.88%	2.411%
147	10.022	10.010	10.034	VV	163	1906	0.02%	0.001%
148	10.055	10.034	10.161	VV	414	10175	0.10%	0.005%
149	10.174	10.161	10.201	VV	95	911	0.01%	0.000%
150	10.237	10.201	10.264	PV	186	3406	0.03%	0.002%
151	10.302	10.264	10.331	VV	6115	68320	0.67%	0.031%
152	10.369	10.331	10.381	VV	279	6150	0.06%	0.003%
153	10.400	10.381	10.424	VV	272	5310	0.05%	0.002%
154	10.434	10.424	10.451	VV	184	2494	0.02%	0.001%
155	10.470	10.451	10.497	VV	177	3165	0.03%	0.001%
156	10.561	10.497	10.607	VV	406	10256	0.10%	0.005%
157	10.649	10.607	10.668	VV	842	13272	0.13%	0.006%
158	10.691	10.668	10.716	VV	1038	16031	0.16%	0.007%
159	10.746	10.716	10.782	VV	11287	162207	1.59%	0.074%
160	10.797	10.782	10.816	VV	305	4262	0.04%	0.002%
161	10.837	10.816	10.888	VV	249	3704	0.04%	0.002%
162	10.960	10.888	10.996	PV	545381	5744405	56.30%	2.617%
163	11.036	10.996	11.090	VV	534180	5622992	55.11%	2.561%
164	11.108	11.090	11.144	VV	991	14834	0.15%	0.007%
165	11.150	11.144	11.159	VV	204	1733	0.02%	0.001%
166	11.203	11.159	11.218	VV	1113	15581	0.15%	0.007%
167	11.238	11.218	11.311	VV	3666	39715	0.39%	0.018%
168	11.330	11.311	11.351	PV	393	5513	0.05%	0.003%
169	11.402	11.351	11.444	VV	455555	5232505	51.28%	2.383%
170	11.478	11.444	11.524	PV	441	7291	0.07%	0.003%
171	11.566	11.524	11.577	VV	316	4150	0.04%	0.002%
172	11.591	11.577	11.626	VV	249	3373	0.03%	0.002%
173	11.727	11.626	11.771	PV	477697	5156217	50.54%	2.349%
174	11.818	11.771	11.871	VV	4361	94465	0.93%	0.043%
175	11.887	11.871	11.921	VV	1357	23601	0.23%	0.011%
176	11.935	11.921	11.981	VV	560	13560	0.13%	0.006%
177	12.002	11.981	12.028	VV	1052	15753	0.15%	0.007%
178	12.060	12.028	12.095	VV	1054	27263	0.27%	0.012%
179	12.111	12.095	12.139	VV	878	15636	0.15%	0.007%
180	12.167	12.139	12.193	VV	924	19518	0.19%	0.009%
181	12.222	12.193	12.235	VV	532	10849	0.11%	0.005%
182	12.318	12.235	12.388	VV	78101	1017794	9.98%	0.464%
183	12.404	12.388	12.425	VV	2815	47019	0.46%	0.021%
184	12.433	12.425	12.481	VV	1409	37478	0.37%	0.017%
185	12.499	12.481	12.511	VV	945	16163	0.16%	0.007%
186	12.552	12.511	12.587	VV	2801	65511	0.64%	0.030%
187	12.599	12.587	12.616	VV	456	6056	0.06%	0.003%
188	12.653	12.616	12.678	VV	928	19635	0.19%	0.009%
189	12.713	12.678	12.745	VV	442992	5342762	52.37%	2.434%
190	12.783	12.745	12.860	VV	511789	5721415	56.08%	2.606%
191	12.878	12.860	12.897	VV	310	4118	0.04%	0.002%
192	12.921	12.897	12.934	VV	180	2528	0.02%	0.001%
193	12.964	12.934	13.006	VV	6157	70500	0.69%	0.032%
194	13.020	13.006	13.040	VV	287	3724	0.04%	0.002%

rteres								
195	13.083	13.040	13.106	VV	489743	5522206	54.12%	2.515%
196	13.158	13.106	13.227	VV	323893	3953979	38.75%	1.801%
197	13.272	13.227	13.287	VV	487	8168	0.08%	0.004%
198	13.326	13.287	13.359	VV	423819	5104784	50.03%	2.325%
199	13.371	13.359	13.379	VV	749	8430	0.08%	0.004%
200	13.402	13.379	13.439	VV	1018	28836	0.28%	0.013%
201	13.443	13.439	13.478	VV	744	13394	0.13%	0.006%
202	13.550	13.478	13.651	VV	18975	327728	3.21%	0.149%
203	13.670	13.651	13.681	VV	737	12237	0.12%	0.006%
204	13.699	13.681	13.721	VV	841	16132	0.16%	0.007%
205	13.751	13.721	13.794	VV	1213	28442	0.28%	0.013%
206	13.805	13.794	13.827	VV	246	4739	0.05%	0.002%
207	13.861	13.827	13.877	VV	2798	36769	0.36%	0.017%
208	13.912	13.877	14.012	VV	413736	5027882	49.28%	2.290%
209	14.038	14.012	14.062	PV	1168	14390	0.14%	0.007%
210	14.088	14.062	14.106	VV	606	8195	0.08%	0.004%
211	14.141	14.106	14.161	VV	282	7202	0.07%	0.003%
212	14.168	14.161	14.186	VV	330	3557	0.03%	0.002%
213	14.209	14.186	14.230	VV	567	9638	0.09%	0.004%
214	14.310	14.230	14.384	VV	5908	189463	1.86%	0.086%
215	14.388	14.384	14.395	VV	1425	5781	0.06%	0.003%
216	14.412	14.395	14.453	VV	949	29306	0.29%	0.013%
217	14.476	14.453	14.549	VV	2239	57825	0.57%	0.026%
218	14.578	14.549	14.616	VV	3016	52382	0.51%	0.024%
219	14.639	14.616	14.660	VV	681	13971	0.14%	0.006%
220	14.693	14.660	14.734	VV	1478	33265	0.33%	0.015%
221	14.790	14.734	14.824	VV	1325	45082	0.44%	0.021%
222	14.854	14.824	14.864	VV	1322	23505	0.23%	0.011%
223	14.880	14.864	14.895	VV	1242	21669	0.21%	0.010%
224	14.964	14.895	14.983	VV	428952	5493447	53.84%	2.502%
225	15.011	14.983	15.114	VV	710366	10202910	100.00%	4.647%
226	15.125	15.114	15.134	VV	849	9917	0.10%	0.005%
227	15.158	15.134	15.178	VV	1100	23765	0.23%	0.011%
228	15.201	15.178	15.244	VV	2501	62082	0.61%	0.028%
229	15.255	15.244	15.304	VV	1114	35103	0.34%	0.016%
230	15.325	15.304	15.338	VV	823	16015	0.16%	0.007%
231	15.348	15.338	15.363	VV	789	10990	0.11%	0.005%
232	15.398	15.363	15.481	VV	16865	362188	3.55%	0.165%
233	15.495	15.481	15.504	VV	938	12037	0.12%	0.005%
234	15.534	15.504	15.572	VV	2237	59319	0.58%	0.027%
235	15.615	15.572	15.646	VV	1729	45883	0.45%	0.021%
236	15.666	15.646	15.694	VV	775	18990	0.19%	0.009%
237	15.721	15.694	15.747	VV	766	21161	0.21%	0.010%
238	15.770	15.747	15.787	VV	733	15764	0.15%	0.007%
239	15.802	15.787	15.821	VV	716	13082	0.13%	0.006%
240	15.868	15.821	15.907	VV	1602	51120	0.50%	0.023%
241	15.928	15.907	15.977	VV	904	28246	0.28%	0.013%
242	16.040	15.977	16.121	VV	358419	4789930	46.95%	2.182%
243	16.137	16.121	16.157	VV	317	4580	0.04%	0.002%
244	16.211	16.157	16.224	VV	672	14007	0.14%	0.006%
245	16.246	16.224	16.305	VV	984	19792	0.19%	0.009%
246	16.343	16.305	16.371	PV	523	11232	0.11%	0.005%

rteres								
247	16.418	16.371	16.471	VV	1406	38919	0.38%	0.018%
248	16.523	16.471	16.539	VV	343734	5166235	50.63%	2.353%
249	16.559	16.539	16.585	VV	425913	5151867	50.49%	2.347%
250	16.601	16.585	16.634	VV	2596	38096	0.37%	0.017%
251	16.652	16.634	16.667	VV	335	4263	0.04%	0.002%
252	16.697	16.667	16.735	VV	309	8503	0.08%	0.004%
253	16.765	16.735	16.796	VV	2380	29817	0.29%	0.014%
254	16.906	16.796	16.938	PV	361362	4920251	48.22%	2.241%
255	16.990	16.938	17.024	VV	361524	4669444	45.77%	2.127%
256	17.040	17.024	17.085	VV	2458	37003	0.36%	0.017%
257	17.195	17.085	17.206	PV	190	8741	0.09%	0.004%
258	17.250	17.206	17.276	VV	456	10126	0.10%	0.005%
259	17.317	17.276	17.344	PV	1812	27131	0.27%	0.012%
260	17.363	17.344	17.401	VV	697	13528	0.13%	0.006%
261	17.436	17.401	17.468	VV	2293	38076	0.37%	0.017%
262	17.483	17.468	17.494	PV	105	817	0.01%	0.000%
263	17.583	17.494	17.630	PV	585	21353	0.21%	0.010%
264	17.671	17.630	17.690	PV	451	7307	0.07%	0.003%
265	17.719	17.690	17.727	PV	392	4447	0.04%	0.002%
266	17.768	17.727	17.799	VV	3853	58538	0.57%	0.027%
267	17.880	17.799	17.921	VV	331685	4558826	44.68%	2.077%
268	17.967	17.921	17.991	VV	726	20111	0.20%	0.009%
269	18.035	17.991	18.056	VV	2376	38729	0.38%	0.018%
270	18.066	18.056	18.096	VV	1031	18768	0.18%	0.009%
271	18.118	18.096	18.171	VV	940	26468	0.26%	0.012%
272	18.178	18.171	18.184	VV	632	4220	0.04%	0.002%
273	18.280	18.184	18.296	VV	376679	5577100	54.66%	2.540%
274	18.320	18.296	18.375	VV	385251	5013507	49.14%	2.284%
275	18.409	18.375	18.465	VV	3605	110230	1.08%	0.050%
276	18.539	18.465	18.645	VV	356589	5221924	51.18%	2.379%
277	18.713	18.645	18.755	VV	313618	4568947	44.78%	2.081%
278	18.834	18.755	18.856	VV	3934	157390	1.54%	0.072%
279	18.878	18.856	18.918	VV	3818	114623	1.12%	0.052%
280	18.924	18.918	18.938	VV	2661	30509	0.30%	0.014%
281	19.010	18.938	19.025	VV	3169	152718	1.50%	0.070%
282	19.072	19.025	19.098	VV	11080	283763	2.78%	0.129%
283	19.104	19.098	19.194	VV	7836	297774	2.92%	0.136%
284	19.230	19.194	19.255	VV	4651	152626	1.50%	0.070%
285	19.305	19.255	19.324	VV	4929	184221	1.81%	0.084%
286	19.409	19.324	19.424	VV	5244	284974	2.79%	0.130%
287	19.433	19.424	19.444	VV	5052	57739	0.57%	0.026%
288	19.498	19.444	19.551	VV	307575	4834165	47.38%	2.202%
289	19.605	19.551	19.636	VV	8342	362188	3.55%	0.165%
290	19.675	19.636	19.698	VV	8364	280427	2.75%	0.128%
291	19.745	19.698	19.758	VV	8024	273508	2.68%	0.125%
292	19.777	19.758	19.830	VV	8071	342360	3.36%	0.156%
293	19.871	19.830	19.908	VV	10323	417658	4.09%	0.190%
294	19.914	19.908	19.939	VV	8836	157796	1.55%	0.072%
295	19.983	19.939	19.997	VV	9925	312641	3.06%	0.142%
296	20.026	19.997	20.063	VV	9543	372224	3.65%	0.170%
297	20.101	20.063	20.118	VV	14139	336979	3.30%	0.153%
298	20.138	20.118	20.152	VV	11564	228533	2.24%	0.104%
299	20.164	20.152	20.173	VV	10929	133615	1.31%	0.061%

rteres								
300	20.240	20.173	20.284	VV	308902	5089919	49.89%	2.318%
301	20.300	20.284	20.311	VV	11429	180471	1.77%	0.082%
302	20.344	20.311	20.358	VV	11865	320997	3.15%	0.146%
303	20.378	20.358	20.394	VV	14464	295371	2.89%	0.135%
304	20.402	20.394	20.442	VV	13912	365314	3.58%	0.166%
305	20.457	20.442	20.501	VV	12266	405820	3.98%	0.185%
306	20.526	20.501	20.539	VV	10555	230106	2.26%	0.105%
307	20.548	20.539	20.564	VV	9860	151765	1.49%	0.069%
308	20.633	20.564	20.662	VV	12950	665460	6.52%	0.303%
309	20.708	20.662	20.801	VV	11443	853218	8.36%	0.389%
310	20.809	20.801	20.819	VV	8767	96509	0.95%	0.044%
311	20.858	20.819	20.912	VV	9113	471181	4.62%	0.215%
312	20.937	20.912	20.950	VV	8612	186339	1.83%	0.085%
313	21.020	20.950	21.084	VV	241821	5053159	49.53%	2.302%
314	21.095	21.084	21.121	VV	24945	198609	1.95%	0.090%
315	21.139	21.121	21.201	VV	7401	322542	3.16%	0.147%
316	21.237	21.201	21.250	VV	7194	196868	1.93%	0.090%
317	21.263	21.250	21.278	VV	6867	110565	1.08%	0.050%
318	21.297	21.278	21.320	VV	6804	164661	1.61%	0.075%
319	21.387	21.378	21.403	VV	5594	77928	0.76%	0.035%
320	21.454	21.403	21.467	VV	5190	191214	1.87%	0.087%
321	21.476	21.467	21.530	VV	4847	158308	1.55%	0.072%
322	21.747	21.738	21.774	VV	2658	53852	0.53%	0.025%
323	21.820	21.774	21.831	VV	2616	80726	0.79%	0.037%
324	21.850	21.831	21.871	VV	2410	51837	0.51%	0.024%
325	21.889	21.871	21.907	VV	2094	36557	0.36%	0.017%
326	22.005	21.907	22.133	VV	172603	4547026	44.57%	2.071%
Sum of corrected areas:					219542653			

Aliphatic EPH 040225.M Tue Apr 08 03:40:24 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
 Data File : FC068503.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 18:08
 Operator : YP/AJ
 Sample : Q1736-02MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 GST2MSD

Integration File: autoint1.e
 Quant Time: Apr 08 02:36:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 07 16:09:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.727	5069084	39.310 ug/ml
Spiked Amount 50.000		Recovery =	78.62%
12) S 1-chlorooctadecane (S...	13.159	3889005	42.277 ug/ml
Spiked Amount 50.000		Recovery =	84.55%
Target Compounds			
1) T n-Nonane (C9)	3.465	4737387	42.513 ug/ml
2) T n-Decane (C10)	4.536	5003949	42.973 ug/ml
3) T A~Naphthalene (C11.7)	6.130	5698233	45.561 ug/ml
4) T n-Dodecane (C12)	6.557	5094992	45.052 ug/ml
5) T A~2-methylnaphthalene...	7.188	5191429	43.382 ug/ml
6) T n-Tetradecane (C14)	8.355	5065625	45.389 ug/ml
7) T n-Hexadecane (C16)	9.958	5114334	44.734 ug/ml
8) T n-Octadecane (C18)	11.402	5070721	44.226 ug/ml
10) T n-Eicosane (C20)	12.713	5180022	47.354 ug/ml
11) T n-Heneicosane (C21)	13.325	4954719	46.455 ug/ml
13) T n-Docosane (C22)	13.913	4896287	45.351 ug/ml
14) T n-Tetracosane (C24)	15.011	9986153	89.583 ug/ml
15) T n-Hexacosane (C26)	16.040	4708871	42.337 ug/ml
16) T n-Octacosane (C28)	16.990	4595493	41.504 ug/ml
17) T n-Tricontane (C30)	17.881	4519854	40.888 ug/ml
18) T n-Dotriacontane (C32)	18.714	4438837	42.641 ug/ml
19) T n-Tetratriacontane (C34)	19.499	4497802	50.089 ug/ml
20) T n-Hexatriacontane (C36)	20.239	4371394	58.393 ug/ml
21) T n-Octatriacontane (C38)	21.020	4443413	71.072 ug/ml
22) T n-Tetracontane (C40)	22.003	4356763	93.252 ug/ml

(f)=RT Delta > 1/2 Window

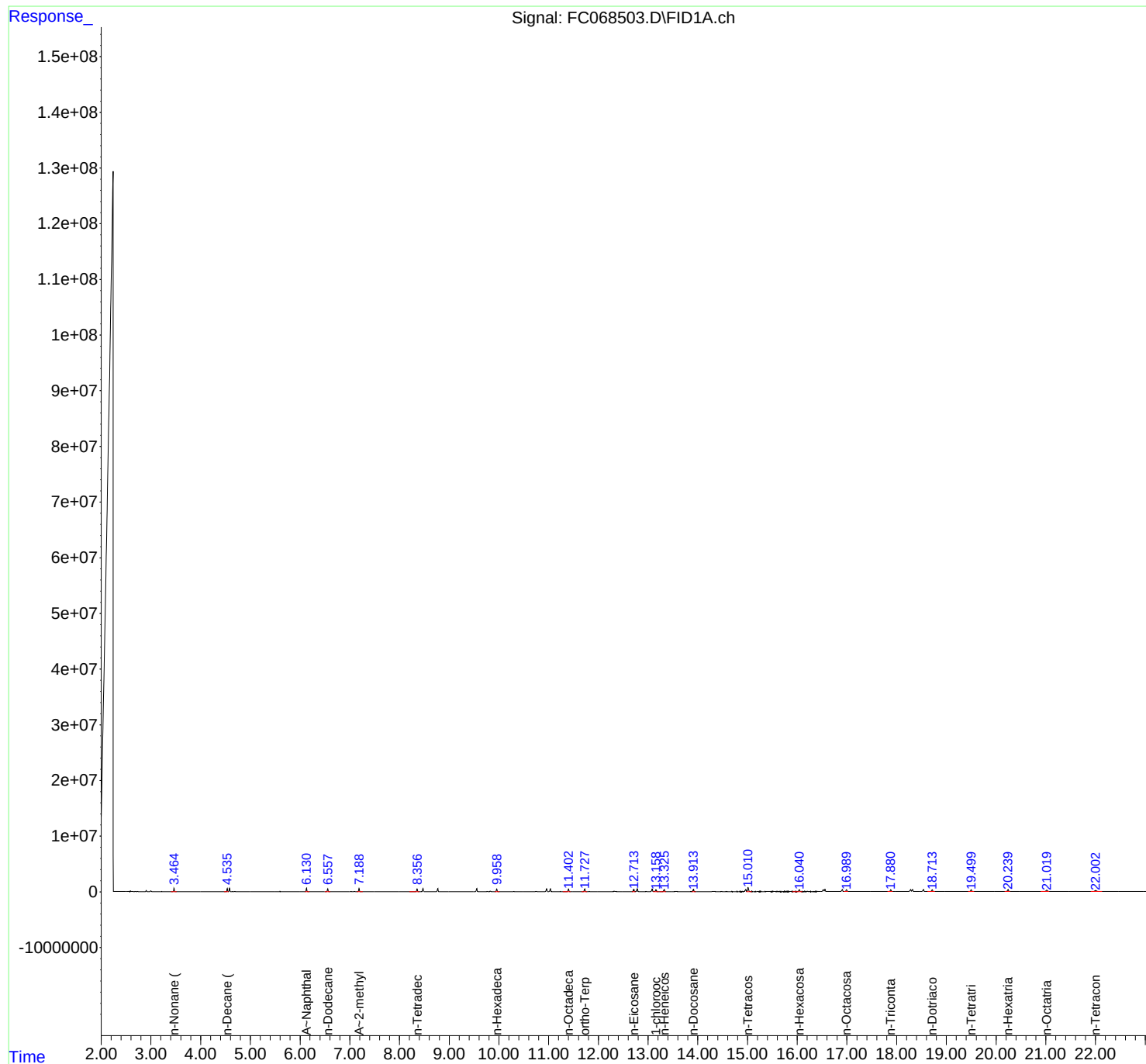
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
Data File : FC068503.D
Signal(s) : FID1A.ch
Acq On : 07 Apr 2025 18:08
Operator : YP/AJ
Sample : Q1736-02MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GST2MSD

Integration File: autoint1.e
Quant Time: Apr 08 02:36:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Mon Apr 07 16:09:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
 Data File : FC068503.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 18:08
 Sample : Q1736-02MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.380	2.363	2.406	PV	7966	72187	0.72%	0.033%
2	2.418	2.406	2.448	PV	8233	49085	0.49%	0.023%
3	2.476	2.448	2.512	PV	22757	199045	1.98%	0.092%
4	2.534	2.512	2.552	PV	4291	31626	0.31%	0.015%
5	2.560	2.552	2.576	VV	414	3240	0.03%	0.002%
6	2.591	2.576	2.665	PV	81838	884055	8.78%	0.410%
7	2.682	2.665	2.707	PV	15490	126283	1.25%	0.058%
8	2.730	2.707	2.793	VV	29576	252930	2.51%	0.117%
9	2.808	2.793	2.881	PV	1232	15240	0.15%	0.007%
10	2.905	2.881	2.975	PV	198220	1462739	14.54%	0.678%
11	2.995	2.975	3.029	VV	109004	1312416	13.04%	0.608%
12	3.045	3.029	3.070	VV	1523	13479	0.13%	0.006%
13	3.089	3.070	3.110	PV	584	3162	0.03%	0.001%
14	3.128	3.110	3.145	VV	147	2344	0.02%	0.001%
15	3.155	3.145	3.191	VV	305	5085	0.05%	0.002%
16	3.219	3.191	3.241	VV	3680	31687	0.31%	0.015%
17	3.253	3.241	3.271	VV	444	4228	0.04%	0.002%
18	3.294	3.271	3.306	VV	283	3182	0.03%	0.001%
19	3.319	3.306	3.335	VV	98	1277	0.01%	0.001%
20	3.363	3.335	3.408	VV	566	10488	0.10%	0.005%
21	3.422	3.408	3.433	PV	132	1420	0.01%	0.001%
22	3.465	3.433	3.538	VV	584071	4740028	47.10%	2.196%
23	3.592	3.538	3.630	VV	372	7825	0.08%	0.004%
24	3.664	3.630	3.694	VV	321	7759	0.08%	0.004%
25	3.712	3.694	3.725	VV	288	3101	0.03%	0.001%
26	3.759	3.725	3.867	VV	1809	31080	0.31%	0.014%
27	3.878	3.867	3.895	VV	153	1386	0.01%	0.001%
28	3.902	3.895	3.948	PV	47	1064	0.01%	0.000%
29	3.962	3.948	4.027	VV	399	6425	0.06%	0.003%
30	4.044	4.027	4.085	PV	301	4484	0.04%	0.002%
31	4.104	4.085	4.126	VV	3066	24849	0.25%	0.012%
32	4.152	4.126	4.196	VV	650	14961	0.15%	0.007%
33	4.205	4.196	4.212	VV	276	2197	0.02%	0.001%
34	4.219	4.212	4.241	VV	253	4064	0.04%	0.002%
35	4.247	4.241	4.285	VV	184	3664	0.04%	0.002%
36	4.301	4.285	4.321	VV	550	6407	0.06%	0.003%

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37	4.333	4.321	4.355	VV	536	6479	0.06%	0.003%	
38	4.363	4.355	4.382	VV	420	3965	0.04%	0.002%	
39	4.400	4.382	4.429	VV	169	2676	0.03%	0.001%	
40	4.441	4.429	4.467	PV	478	2547	0.03%	0.001%	
41	4.486	4.467	4.500	VV	110	1298	0.01%	0.001%	
42	4.536	4.500	4.558	VV	564276	5005387	49.74%	2.319%	
43	4.581	4.558	4.624	VV	623215	5410841	53.77%	2.507%	
44	4.642	4.624	4.668	VV	5401	49234	0.49%	0.023%	
45	4.688	4.668	4.728	VV	9537	85815	0.85%	0.040%	
46	4.737	4.728	4.748	VV	185	1524	0.02%	0.001%	
47	4.752	4.748	4.759	VV	221	1019	0.01%	0.000%	
48	4.788	4.759	4.808	VV	297	5268	0.05%	0.002%	
49	4.823	4.808	4.846	VV	318	3585	0.04%	0.002%	
50	4.856	4.846	4.861	VV	230	1413	0.01%	0.001%	
51	4.871	4.861	4.931	VV	317	6277	0.06%	0.003%	
52	4.956	4.931	5.005	VV	152	4458	0.04%	0.002%	
53	5.019	5.005	5.029	VV	185	1775	0.02%	0.001%	
54	5.036	5.029	5.055	VV	114	1454	0.01%	0.001%	
55	5.073	5.055	5.091	VV	150	1519	0.02%	0.001%	
56	5.112	5.091	5.161	PV	158	3810	0.04%	0.002%	
57	5.168	5.161	5.228	VV	155	4116	0.04%	0.002%	
58	5.235	5.228	5.243	VV	90	786	0.01%	0.000%	
59	5.254	5.243	5.268	VV	170	1370	0.01%	0.001%	
60	5.278	5.268	5.301	VV	240	2424	0.02%	0.001%	
61	5.311	5.301	5.342	VV	97	1198	0.01%	0.001%	
62	5.356	5.342	5.365	PV	70	364	0.00%	0.000%	
63	5.392	5.365	5.438	VV	3017	28102	0.28%	0.013%	
64	5.459	5.438	5.502	VV	86	1736	0.02%	0.001%	
65	5.509	5.502	5.545	VV	36	731	0.01%	0.000%	
66	5.572	5.545	5.588	PV	1547	14764	0.15%	0.007%	
67	5.601	5.588	5.658	VV	3603	34494	0.34%	0.016%	
68	5.684	5.658	5.782	VV	320	6463	0.06%	0.003%	
69	5.799	5.782	5.851	PV	287	6714	0.07%	0.003%	
70	5.863	5.851	5.869	VV	148	1299	0.01%	0.001%	
71	5.878	5.869	5.898	VV	217	2274	0.02%	0.001%	
72	5.949	5.898	5.975	VV	271	7530	0.07%	0.003%	
73	5.987	5.975	6.048	VV	248	6022	0.06%	0.003%	
74	6.085	6.048	6.100	VV	1456	18585	0.18%	0.009%	
75	6.130	6.100	6.168	VV	631092	5706818	56.71%	2.644%	
76	6.174	6.168	6.189	VV	992	9970	0.10%	0.005%	
77	6.198	6.189	6.253	VV	613	15584	0.15%	0.007%	
78	6.271	6.253	6.318	VV	482	11213	0.11%	0.005%	
79	6.328	6.318	6.338	VV	329	3027	0.03%	0.001%	
80	6.347	6.338	6.358	VV	252	2713	0.03%	0.001%	
81	6.401	6.358	6.428	VV	1926	27615	0.27%	0.013%	
82	6.436	6.428	6.474	VV	410	7319	0.07%	0.003%	
83	6.494	6.474	6.521	VV	188	3934	0.04%	0.002%	
84	6.557	6.521	6.607	VV	528209	5100665	50.69%	2.363%	
85	6.626	6.607	6.665	VV	2188	22298	0.22%	0.010%	
86	6.707	6.665	6.728	VV	423	7037	0.07%	0.003%	
87	6.733	6.728	6.743	VV	128	1011	0.01%	0.000%	
88	6.758	6.743	6.774	VV	156	1906	0.02%	0.001%	
89	6.841	6.774	6.875	VV	370	9973	0.10%	0.005%	

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90	6.879	6.875	6.908	VV	214	2698	0.03%	0.001%
91	6.914	6.908	6.931	VV	150	1706	0.02%	0.001%
92	6.938	6.931	6.949	VV	178	1200	0.01%	0.001%
93	6.975	6.949	6.994	VV	318	4386	0.04%	0.002%
94	7.026	6.994	7.064	VV	6328	67161	0.67%	0.031%
95	7.093	7.064	7.144	VV	14404	141398	1.41%	0.066%
96	7.188	7.144	7.301	VV	550699	5204356	51.72%	2.411%
97	7.324	7.301	7.341	VV	1850	20859	0.21%	0.010%
98	7.376	7.341	7.392	VV	2809	38836	0.39%	0.018%
99	7.402	7.392	7.438	VV	1277	17832	0.18%	0.008%
100	7.452	7.438	7.463	VV	1188	11344	0.11%	0.005%
101	7.478	7.463	7.505	VV	1748	20058	0.20%	0.009%
102	7.525	7.505	7.535	VV	476	5362	0.05%	0.002%
103	7.548	7.535	7.564	VV	458	5954	0.06%	0.003%
104	7.576	7.564	7.598	VV	388	4991	0.05%	0.002%
105	7.609	7.598	7.625	VV	158	1822	0.02%	0.001%
106	7.632	7.625	7.642	VV	182	1331	0.01%	0.001%
107	7.661	7.642	7.683	VV	704	7726	0.08%	0.004%
108	7.702	7.683	7.749	VV	351	7064	0.07%	0.003%
109	7.775	7.749	7.861	VV	808	16265	0.16%	0.008%
110	7.903	7.861	7.918	VV	509	7877	0.08%	0.004%
111	7.939	7.918	8.024	VV	1050	23983	0.24%	0.011%
112	8.047	8.024	8.080	VV	1569	20604	0.20%	0.010%
113	8.104	8.080	8.158	VV	1094	16573	0.16%	0.008%
114	8.168	8.158	8.196	VV	189	2659	0.03%	0.001%
115	8.215	8.196	8.225	VV	247	2896	0.03%	0.001%
116	8.248	8.225	8.278	VV	678	12400	0.12%	0.006%
117	8.355	8.278	8.398	VV	486442	5060786	50.29%	2.344%
118	8.412	8.398	8.430	VV	233	3473	0.03%	0.002%
119	8.473	8.430	8.521	VV	579793	5690171	56.54%	2.636%
120	8.540	8.521	8.554	VV	345	4559	0.05%	0.002%
121	8.582	8.554	8.632	VV	540	10059	0.10%	0.005%
122	8.645	8.632	8.659	PV	90	951	0.01%	0.000%
123	8.724	8.659	8.738	VV	273	5454	0.05%	0.003%
124	8.771	8.738	8.806	VV	570376	5718421	56.82%	2.649%
125	8.828	8.806	8.874	VV	504	11720	0.12%	0.005%
126	8.888	8.874	8.931	VV	347	5580	0.06%	0.003%
127	8.960	8.931	8.995	VV	790	11754	0.12%	0.005%
128	9.012	8.995	9.020	VV	180	1835	0.02%	0.001%
129	9.037	9.020	9.056	VV	945	9882	0.10%	0.005%
130	9.091	9.056	9.119	VV	521	10039	0.10%	0.005%
131	9.128	9.119	9.158	VV	154	1937	0.02%	0.001%
132	9.175	9.158	9.278	VV	938	19966	0.20%	0.009%
133	9.304	9.278	9.328	VV	205	3215	0.03%	0.001%
134	9.378	9.328	9.401	VV	183	4700	0.05%	0.002%
135	9.433	9.401	9.448	VV	260	4363	0.04%	0.002%
136	9.475	9.448	9.485	VV	236	3545	0.04%	0.002%
137	9.511	9.485	9.520	VV	818	10766	0.11%	0.005%
138	9.555	9.520	9.584	VV	563992	5780996	57.45%	2.678%
139	9.593	9.584	9.621	VV	671	10283	0.10%	0.005%
140	9.631	9.621	9.661	VV	296	5619	0.06%	0.003%
141	9.695	9.661	9.707	VV	488	8587	0.09%	0.004%

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142	9.731	9.707	9.748	VV	1855	27340	0.27%	0.013%
143	9.765	9.748	9.800	VV	8877	96029	0.95%	0.044%
144	9.828	9.800	9.872	VV	60340	617248	6.13%	0.286%
145	9.891	9.872	9.913	VV	829	12430	0.12%	0.006%
146	9.958	9.913	10.024	VV	472382	5121073	50.89%	2.372%
147	10.059	10.024	10.091	VV	424	9729	0.10%	0.005%
148	10.107	10.091	10.205	VV	194	5773	0.06%	0.003%
149	10.237	10.205	10.266	PV	201	3751	0.04%	0.002%
150	10.302	10.266	10.338	VV	5891	64946	0.65%	0.030%
151	10.345	10.338	10.361	VV	235	2223	0.02%	0.001%
152	10.375	10.361	10.387	VV	206	2720	0.03%	0.001%
153	10.401	10.387	10.424	VV	260	3944	0.04%	0.002%
154	10.471	10.424	10.495	VV	247	5774	0.06%	0.003%
155	10.501	10.495	10.531	VV	167	1610	0.02%	0.001%
156	10.565	10.531	10.616	VV	383	10347	0.10%	0.005%
157	10.650	10.616	10.669	VV	792	12090	0.12%	0.006%
158	10.691	10.669	10.721	VV	1003	16087	0.16%	0.007%
159	10.747	10.721	10.821	VV	11156	164180	1.63%	0.076%
160	10.833	10.821	10.882	VV	218	3753	0.04%	0.002%
161	10.893	10.882	10.897	PV	114	522	0.01%	0.000%
162	10.961	10.897	10.998	VV	524559	5598870	55.64%	2.594%
163	11.036	10.998	11.087	VV	516303	5492429	54.58%	2.544%
164	11.108	11.087	11.165	VV	995	16947	0.17%	0.008%
165	11.172	11.165	11.180	VV	158	1120	0.01%	0.001%
166	11.202	11.180	11.218	VV	1079	12855	0.13%	0.006%
167	11.237	11.218	11.278	VV	3716	39021	0.39%	0.018%
168	11.328	11.278	11.351	PV	386	6194	0.06%	0.003%
169	11.401	11.351	11.439	VV	465562	5064136	50.32%	2.346%
170	11.477	11.439	11.508	VV	454	8184	0.08%	0.004%
171	11.565	11.508	11.579	VV	322	5070	0.05%	0.002%
172	11.591	11.579	11.621	VV	311	3728	0.04%	0.002%
173	11.727	11.621	11.772	PV	462175	5079482	50.47%	2.353%
174	11.819	11.772	11.873	VV	4265	86540	0.86%	0.040%
175	11.886	11.873	11.920	VV	854	15777	0.16%	0.007%
176	11.932	11.920	11.977	VV	492	7641	0.08%	0.004%
177	12.002	11.977	12.025	VV	894	10168	0.10%	0.005%
178	12.060	12.025	12.095	PV	756	14561	0.14%	0.007%
179	12.112	12.095	12.138	VV	589	8306	0.08%	0.004%
180	12.165	12.138	12.201	VV	607	9634	0.10%	0.004%
181	12.318	12.201	12.388	VV	76515	959208	9.53%	0.444%
182	12.404	12.388	12.468	VV	2517	63783	0.63%	0.030%
183	12.478	12.468	12.484	VV	800	7390	0.07%	0.003%
184	12.495	12.484	12.511	VV	822	12139	0.12%	0.006%
185	12.552	12.511	12.591	VV	2604	58008	0.58%	0.027%
186	12.601	12.591	12.623	VV	332	4157	0.04%	0.002%
187	12.653	12.623	12.674	VV	787	13469	0.13%	0.006%
188	12.713	12.674	12.745	VV	446665	5186113	51.53%	2.402%
189	12.783	12.745	12.840	VV	505809	5596212	55.61%	2.592%
190	12.873	12.840	12.903	VV	180	2978	0.03%	0.001%
191	12.917	12.903	12.932	VV	139	1229	0.01%	0.001%
192	12.965	12.932	13.011	PV	5851	66670	0.66%	0.031%
193	13.023	13.011	13.037	VV	132	1737	0.02%	0.001%
194	13.084	13.037	13.107	VV	489853	5419988	53.86%	2.511%

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195	13.159	13.107	13.232	VV	323577	3892187	38.68%	1.803%
196	13.273	13.232	13.286	PV	467	6077	0.06%	0.003%
197	13.325	13.286	13.359	VV	399269	4970238	49.39%	2.302%
198	13.399	13.359	13.438	VV	1054	38308	0.38%	0.018%
199	13.445	13.438	13.475	VV	766	14235	0.14%	0.007%
200	13.550	13.475	13.657	VV	18534	339216	3.37%	0.157%
201	13.668	13.657	13.684	VV	841	12443	0.12%	0.006%
202	13.699	13.684	13.718	VV	983	16474	0.16%	0.008%
203	13.750	13.718	13.808	VV	1507	40613	0.40%	0.019%
204	13.862	13.808	13.877	VV	2967	46895	0.47%	0.022%
205	13.913	13.877	13.958	VV	407486	4913428	48.82%	2.276%
206	13.963	13.958	13.991	VV	417	6230	0.06%	0.003%
207	13.997	13.991	14.018	VV	246	2991	0.03%	0.001%
208	14.039	14.018	14.065	VV	1184	16773	0.17%	0.008%
209	14.087	14.065	14.111	VV	707	11506	0.11%	0.005%
210	14.142	14.111	14.187	VV	351	13540	0.13%	0.006%
211	14.210	14.187	14.238	VV	581	11934	0.12%	0.006%
212	14.309	14.238	14.383	VV	5633	185378	1.84%	0.086%
213	14.418	14.383	14.450	VV	898	31260	0.31%	0.014%
214	14.476	14.450	14.527	VV	2198	51004	0.51%	0.024%
215	14.540	14.527	14.552	VV	644	9431	0.09%	0.004%
216	14.577	14.552	14.617	VV	3019	51058	0.51%	0.024%
217	14.636	14.617	14.662	VV	722	15212	0.15%	0.007%
218	14.693	14.662	14.725	VV	1422	31249	0.31%	0.014%
219	14.791	14.725	14.816	VV	1193	41824	0.42%	0.019%
220	14.855	14.816	14.896	VV	1232	49268	0.49%	0.023%
221	14.963	14.896	14.983	VV	394348	5428466	53.94%	2.515%
222	15.011	14.983	15.131	VV	732236	10063431	100.00%	4.662%
223	15.157	15.131	15.175	VV	1075	22136	0.22%	0.010%
224	15.201	15.175	15.248	VV	2467	61728	0.61%	0.029%
225	15.264	15.248	15.341	VV	1018	43940	0.44%	0.020%
226	15.398	15.341	15.501	VV	16819	367372	3.65%	0.170%
227	15.534	15.501	15.578	VV	2012	57056	0.57%	0.026%
228	15.616	15.578	15.648	VV	1703	41510	0.41%	0.019%
229	15.671	15.648	15.698	VV	720	17749	0.18%	0.008%
230	15.778	15.698	15.823	VV	704	40903	0.41%	0.019%
231	15.867	15.823	15.905	VV	1530	45669	0.45%	0.021%
232	15.925	15.905	15.985	VV	834	29312	0.29%	0.014%
233	16.040	15.985	16.148	VV	361582	4733358	47.04%	2.193%
234	16.166	16.148	16.188	VV	286	5340	0.05%	0.002%
235	16.246	16.188	16.296	VV	891	25522	0.25%	0.012%
236	16.345	16.296	16.384	PV	474	11407	0.11%	0.005%
237	16.418	16.384	16.462	VV	1419	30910	0.31%	0.014%
238	16.522	16.462	16.539	VV	343297	5153537	51.21%	2.387%
239	16.557	16.539	16.636	VV	432132	5099950	50.68%	2.363%
240	16.709	16.636	16.728	VV	280	7261	0.07%	0.003%
241	16.767	16.728	16.813	PV	2356	29717	0.30%	0.014%
242	16.904	16.813	16.939	VV	369698	4880643	48.50%	2.261%
243	16.990	16.939	17.084	VV	344601	4679114	46.50%	2.168%
244	17.130	17.084	17.171	VV	257	10888	0.11%	0.005%
245	17.246	17.171	17.285	VV	444	15829	0.16%	0.007%
246	17.316	17.285	17.344	PV	1834	26147	0.26%	0.012%

rterres								
247	17.368	17.344	17.399	VV	695	13558	0.13%	0.006%
248	17.437	17.399	17.471	VV	2202	35110	0.35%	0.016%
249	17.579	17.471	17.638	PV	504	17955	0.18%	0.008%
250	17.666	17.638	17.695	VV	339	5985	0.06%	0.003%
251	17.768	17.695	17.800	PV	3787	63730	0.63%	0.030%
252	17.881	17.800	17.922	VV	321534	4538456	45.10%	2.102%
253	17.969	17.922	17.991	VV	803	24636	0.24%	0.011%
254	18.040	17.991	18.098	VV	1705	62243	0.62%	0.029%
255	18.120	18.098	18.151	VV	1019	20105	0.20%	0.009%
256	18.279	18.151	18.298	VV	356760	5614998	55.80%	2.601%
257	18.318	18.298	18.371	VV	377344	4903991	48.73%	2.272%
258	18.411	18.371	18.481	VV	3486	125884	1.25%	0.058%
259	18.538	18.481	18.637	VV	367533	5171644	51.39%	2.396%
260	18.713	18.637	18.771	VV	315185	4574475	45.46%	2.119%
261	18.833	18.771	18.854	VV	3810	129326	1.29%	0.060%
262	18.875	18.854	18.930	VV	4808	127647	1.27%	0.059%
263	19.007	18.930	19.035	VV	2797	162554	1.62%	0.075%
264	19.073	19.035	19.171	VV	10923	487424	4.84%	0.226%
265	19.189	19.171	19.204	VV	3615	70260	0.70%	0.033%
266	19.230	19.204	19.258	VV	4629	125466	1.25%	0.058%
267	19.302	19.258	19.324	VV	4516	162378	1.61%	0.075%
268	19.498	19.324	19.558	VV	312002	5159878	51.27%	2.390%
269	19.605	19.558	19.641	VV	7852	337565	3.35%	0.156%
270	19.676	19.641	19.701	VV	7764	260349	2.59%	0.121%
271	19.732	19.701	19.768	VV	8059	305948	3.04%	0.142%
272	19.789	19.768	19.810	VV	8692	204007	2.03%	0.095%
273	19.867	19.810	19.902	VV	10004	492079	4.89%	0.228%
274	19.930	19.902	19.947	VV	9049	243662	2.42%	0.113%
275	20.098	19.947	20.114	VV	10844	949840	9.44%	0.440%
276	20.140	20.114	20.175	VV	11632	397375	3.95%	0.184%
277	20.239	20.175	20.311	VV	300297	5240419	52.07%	2.428%
278	20.382	20.311	20.544	VV	15308	1680025	16.69%	0.778%
279	20.632	20.544	20.696	VV	15451	1162179	11.55%	0.538%
280	20.711	20.696	20.788	VV	11808	576060	5.72%	0.267%
281	20.800	20.788	20.818	VV	9068	161770	1.61%	0.075%
282	20.835	20.818	20.857	VV	9097	205095	2.04%	0.095%
283	20.873	20.857	20.928	VV	8741	349175	3.47%	0.162%
284	21.019	20.928	21.071	VV	248977	5067603	50.36%	2.348%
285	21.126	21.071	21.183	VV	7478	461132	4.58%	0.214%
286	21.202	21.183	21.241	VV	6348	206873	2.06%	0.096%
287	21.261	21.241	21.308	VV	5971	232205	2.31%	0.108%
288	21.350	21.308	21.391	VV	5767	264522	2.63%	0.123%
289	21.449	21.391	21.513	VV	5567	358760	3.56%	0.166%
290	21.594	21.513	21.664	VV	4671	395864	3.93%	0.183%
291	21.690	21.664	21.821	VV	3922	288403	2.87%	0.134%
292	21.840	21.821	21.928	VV	2462	110781	1.10%	0.051%
293	22.003	21.928	22.148	VV	175678	4434435	44.06%	2.054%
Sum of corrected areas:					215869701			

Aliphatic EPH 040225.M Tue Apr 08 03:38:42 2025

Manual Integration Report

Sequence:

FC040225AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
5 PPM ALIPHATIC HC	FC068491.D	n-Octacosane (C28)	yogesh	4/3/2025 7:45:42 AM	mohammad	4/4/2025 7:54:14	Peak Integrated by Software
5 PPM ALIPHATIC HC	FC068491.D	n-Octadecane (C18)	yogesh	4/3/2025 7:45:42 AM	mohammad	4/4/2025 7:54:14	Peak Integrated by Software
5 PPM ALIPHATIC HC	FC068491.D	n-Tetracontane (C40)	yogesh	4/3/2025 7:45:42 AM	mohammad	4/4/2025 7:54:14	Peak Integrated by Software
5 PPM ALIPHATIC HC	FC068491.D	n-Tricontane (C30)	yogesh	4/3/2025 7:45:42 AM	mohammad	4/4/2025 7:54:14	Peak Integrated by Software

Manual Integration Report

Sequence:

FC040725AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC068497.D	n-Octatriacontane (C38)	yogesh	4/8/2025 7:51:49 AM	mohammad	4/9/2025 2:58:48	Peak Integrated by Software
PB167477BS	FC068499.D	n-Tetracontane (C40)	yogesh	4/8/2025 7:51:55 AM	mohammad	4/9/2025 2:58:48	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068506.D	n-Hexatriacontane (C36)	yogesh	4/8/2025 7:51:53 AM	mohammad	4/9/2025 2:58:48	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068506.D	n-Octatriacontane (C38)	yogesh	4/8/2025 7:51:53 AM	mohammad	4/9/2025 2:58:48	Peak Integrated by Software

Manual Integration Report

Sequence:	FC040825AL	Instrument	FID_c
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC068509.D	n-Octatriacontane (C38)	yogesh	4/9/2025 1:39:58 PM	mohammad	4/10/2025 5:30:40	Peak Integrated by Software

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC040225AL

Review By	yogesh	Review On	4/2/2025 1:54:54 PM
Supervise By	mohammad	Supervise On	4/4/2025 7:54:14 AM
SubDirectory	FC040225AL	HP Acquire Method	HP Processing Method FC040225AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068485.D	02 Apr 2025 14:05	YP/AJ	Ok
2	I.BLK	FC068486.D	02 Apr 2025 14:42	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC068487.D	02 Apr 2025 15:55	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC068488.D	02 Apr 2025 16:32	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC068489.D	02 Apr 2025 17:09	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC068490.D	02 Apr 2025 17:45	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC068491.D	02 Apr 2025 19:00	YP/AJ	Ok,M
8	20 PPM ALIPHATIC HC STD ICV	FC068492.D	02 Apr 2025 20:13	YP/AJ	Ok
9	I.BLK	FC068493.D	02 Apr 2025 21:26	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC068494.D	02 Apr 2025 22:04	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC040725AL

Review By	yogesh	Review On	4/7/2025 3:21:12 PM
Supervise By	mohammad	Supervise On	4/9/2025 2:58:48 AM
SubDirectory	FC040725AL	HP Acquire Method	HP Processing Method FC040225AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068495.D	07 Apr 2025 10:25	YP/AJ	Ok
2	I.BLK	FC068496.D	07 Apr 2025 11:03	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068497.D	07 Apr 2025 14:23	YP/AJ	Ok,M
4	PB167477BL	FC068498.D	07 Apr 2025 15:00	YP/AJ	Ok
5	PB167477BS	FC068499.D	07 Apr 2025 15:38	YP/AJ	Ok,M
6	PB167477BSD	FC068500.D	07 Apr 2025 16:15	YP/AJ	Ok
7	Q1736-02	FC068501.D	07 Apr 2025 16:52	YP/AJ	Ok
8	Q1736-02MS	FC068502.D	07 Apr 2025 17:30	YP/AJ	Ok
9	Q1736-02MSD	FC068503.D	07 Apr 2025 18:08	YP/AJ	Ok
10	Q1736-01	FC068504.D	07 Apr 2025 18:45	YP/AJ	Dilution
11	I.BLK	FC068505.D	07 Apr 2025 20:37	YP/AJ	Ok
12	20 PPM ALIPHATIC HC STD	FC068506.D	07 Apr 2025 21:15	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC040825AL

Review By	yogesh	Review On	4/8/2025 10:07:57 AM
Supervise By	mohammad	Supervise On	4/10/2025 5:30:40 AM
SubDirectory	FC040825AL	HP Acquire Method	HP Processing Method FC040225AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

Sr#	SampleID	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068507.D	08 Apr 2025 07:39	YP/AJ	Ok
2	I.BLK	FC068508.D	08 Apr 2025 08:15	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068509.D	08 Apr 2025 08:52	YP/AJ	Ok,M
4	Q1736-01DL	FC068510.D	08 Apr 2025 09:30	YP/AJ	Ok
5	I.BLK	FC068511.D	08 Apr 2025 10:46	YP/AJ	Ok
6	20 PPM ALIPHATIC HC STD	FC068512.D	08 Apr 2025 11:24	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC040225AL

Review By	yogesh	Review On	4/2/2025 1:54:54 PM
Supervise By	mohammad	Supervise On	4/4/2025 7:54:14 AM
SubDirectory	FC040225AL	HP Acquire Method	HP Processing Method FC040225AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068485.D	02 Apr 2025 14:05		YP/AJ	Ok
2	I.BLK	I.BLK	FC068486.D	02 Apr 2025 14:42		YP/AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FC068487.D	02 Apr 2025 15:55		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC068488.D	02 Apr 2025 16:32		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068489.D	02 Apr 2025 17:09		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC068490.D	02 Apr 2025 17:45		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC068491.D	02 Apr 2025 19:00		YP/AJ	Ok,M
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068492.D	02 Apr 2025 20:13		YP/AJ	Ok
9	I.BLK	I.BLK	FC068493.D	02 Apr 2025 21:26		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068494.D	02 Apr 2025 22:04		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC040725AL

Review By	yogesh	Review On	4/7/2025 3:21:12 PM
Supervise By	mohammad	Supervise On	4/9/2025 2:58:48 AM
SubDirectory	FC040725AL	HP Acquire Method	HP Processing Method FC040225AL

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	PP24174,PP24179
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068495.D	07 Apr 2025 10:25		YP/AJ	Ok
2	I.BLK	I.BLK	FC068496.D	07 Apr 2025 11:03		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068497.D	07 Apr 2025 14:23		YP/AJ	Ok,M
4	PB167477BL	PB167477BL	FC068498.D	07 Apr 2025 15:00		YP/AJ	Ok
5	PB167477BS	PB167477BS	FC068499.D	07 Apr 2025 15:38		YP/AJ	Ok,M
6	PB167477BSD	PB167477BSD	FC068500.D	07 Apr 2025 16:15		YP/AJ	Ok
7	Q1736-02	GST2	FC068501.D	07 Apr 2025 16:52		YP/AJ	Ok
8	Q1736-02MS	GST2MS	FC068502.D	07 Apr 2025 17:30	FC068501.D	YP/AJ	Ok
9	Q1736-02MSD	GST2MSD	FC068503.D	07 Apr 2025 18:08	FC068501.D!FC068502.D	YP/AJ	Ok
10	Q1736-01	GST1	FC068504.D	07 Apr 2025 18:45	need 2x dilution	YP/AJ	Dilution
11	I.BLK	I.BLK	FC068505.D	07 Apr 2025 20:37		YP/AJ	Ok
12	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068506.D	07 Apr 2025 21:15		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC040825AL

Review By	yogesh	Review On	4/8/2025 10:07:57 AM
Supervise By	mohammad	Supervise On	4/10/2025 5:30:40 AM
SubDirectory	FC040825AL	HP Acquire Method	HP Processing Method FC040225AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068507.D	08 Apr 2025 07:39		YP/AJ	Ok
2	I.BLK	I.BLK	FC068508.D	08 Apr 2025 08:15		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068509.D	08 Apr 2025 08:52		YP/AJ	Ok,M
4	Q1736-01DL	GST1DL	FC068510.D	08 Apr 2025 09:30		YP/AJ	Ok
5	I.BLK	I.BLK	FC068511.D	08 Apr 2025 10:46		YP/AJ	Ok
6	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068512.D	08 Apr 2025 11:24		YP/AJ	Ok

M : Manual Integration

SOP ID: MNJDEP-EPH-7

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 04/07/2025

Extraction Start Time : 09:40

Extraction End Date : 04/07/2025

Extraction End Time : 12:40

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☐ Separatory Funnel ☐ Continous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24207
Surrogate	1.0ML	100 PPM	PP24432
Fractionation Surrogate	1.0ML	100 PPM	PP24403
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2591
Baked Na2SO4	N/A	EP2597
Sand	N/A	E2865
Hexane	N/A	E3916
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/07/25	RP (Ext. Lab)	Y-P Pest IP CB.
12:45	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-7

Concentration Date: 04/07/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167477BL	PB167477BL	EPH_F2	30.01	N/A	ritesh	Evelyn	2			U3-1
PB167477BS	PB167477BS	EPH_F2	30.02	N/A	ritesh	Evelyn	2			2
PB167477BSD	PB167477BSD	EPH_F2	30.02	N/A	ritesh	Evelyn	2			3
Q1736-01	GST1	EPH_F2	30.03	N/A	ritesh	Evelyn	2			4
Q1736-02	GST2	EPH_F2	30.01	N/A	ritesh	Evelyn	2			5
Q1736-02MS	GST2MS	EPH_F2	30.05	N/A	ritesh	Evelyn	2			6
Q1736-02MS D	GST2MSD	EPH_F2	30.04	N/A	ritesh	Evelyn	2			U2-1

* Extracts relinquished on the same date as received.

167477
9-41

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1736

WorkList ID : 188762

Department : Extraction

Date : 04-07-2025 08:19:46

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1732-01	TT-8	Solid	EPH_NF	Cool 4 deg C	PSEG03	L31	04/04/2025	NJEPH
Q1732-02	TT-8-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	L31	04/04/2025	NJEPH
Q1733-01	ETGI-328	Solid	EPH_NF	Cool 4 deg C	PSEG03	I31	04/04/2025	NJEPH
Q1733-02	ETGI-328-E2	Solid	EPH_NF	Cool 4 deg C	PSEG03	I31	04/04/2025	NJEPH
Q1736-01	GST1	Solid	EPH_F2	Cool 4 deg C	GENV01	L21	04/04/2025	NJEPH
Q1736-02	GST2	Solid	EPH_F2	Cool 4 deg C	GENV01	L21	04/04/2025	NJEPH
Q1737-01	RT3069	Solid	EPH_NF	Cool 4 deg C	PSEG03	L31	04/04/2025	NJEPH
Q1738-01	OK-02-040425	Solid	EPH_NF	Cool 4 deg C	PSEG05	L31	04/04/2025	NJEPH
Q1738-02	OK-02-040425-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05	L31	04/04/2025	NJEPH

Date/Time 04/07/25 9:35
Raw Sample Received by: RJ (Sent Log)
Raw Sample Relinquished by: CR SM

Date/Time 04/07/25 10:00
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (Sent Log)

LAB CHRONICLE

OrderID:	Q1736	OrderDate:	4/4/2025 1:39:00 PM
Client:	G Environmental	Project:	Stockton
Contact:	Gary Landis	Location:	L21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1736-01	GST1	SOIL	PCB	8082A	04/04/25	04/07/25	04/07/25	04/04/25
			EPH_F2	NJEPH		04/07/25	04/07/25	
Q1736-01DL	GST1DL	Solid	EPH_F2	NJEPH	04/04/25	04/07/25	04/08/25	04/04/25
Q1736-02	GST2	SOIL	PCB	8082A	04/04/25	04/07/25	04/07/25	04/04/25
			EPH_F2	NJEPH		04/07/25	04/07/25	

Hit Summary Sheet
SW-846

SDG No.: Q1736
Client: G Environmental

Order ID: Q1736
Project ID: Stockton

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : GST1								
Q1736-01	GST1	SOIL	Aluminum	4450		2.75	5.71	mg/Kg
Q1736-01	GST1	SOIL	Antimony	2.48	J	0.17	2.85	mg/Kg
Q1736-01	GST1	SOIL	Arsenic	29.8		0.33	1.14	mg/Kg
Q1736-01	GST1	SOIL	Barium	70.6		0.73	5.71	mg/Kg
Q1736-01	GST1	SOIL	Beryllium	0.61		0.014	0.34	mg/Kg
Q1736-01	GST1	SOIL	Cadmium	0.22	J	0.018	0.34	mg/Kg
Q1736-01	GST1	SOIL	Calcium	2230		3.19	114	mg/Kg
Q1736-01	GST1	SOIL	Chromium	9.94		0.062	0.57	mg/Kg
Q1736-01	GST1	SOIL	Cobalt	5.58		0.066	1.71	mg/Kg
Q1736-01	GST1	SOIL	Copper	193		0.54	1.14	mg/Kg
Q1736-01	GST1	SOIL	Iron	11300		3.07	5.71	mg/Kg
Q1736-01	GST1	SOIL	Lead	184		0.17	0.69	mg/Kg
Q1736-01	GST1	SOIL	Magnesium	1090		3.91	114	mg/Kg
Q1736-01	GST1	SOIL	Manganese	73.7		0.081	1.14	mg/Kg
Q1736-01	GST1	SOIL	Mercury	0.43		0.0090	0.015	mg/Kg
Q1736-01	GST1	SOIL	Nickel	53.6		0.10	2.28	mg/Kg
Q1736-01	GST1	SOIL	Potassium	520		32.7	114	mg/Kg
Q1736-01	GST1	SOIL	Selenium	0.52	J	0.38	1.14	mg/Kg
Q1736-01	GST1	SOIL	Sodium	327		41.2	114	mg/Kg
Q1736-01	GST1	SOIL	Thallium	0.91	J	0.50	2.28	mg/Kg
Q1736-01	GST1	SOIL	Vanadium	23.0		0.31	2.28	mg/Kg
Q1736-01	GST1	SOIL	Zinc	98.9		0.13	2.28	mg/Kg
Client ID : GST2								
Q1736-02	GST2	SOIL	Aluminum	3670		2.59	5.38	mg/Kg
Q1736-02	GST2	SOIL	Arsenic	1.92		0.31	1.08	mg/Kg
Q1736-02	GST2	SOIL	Barium	39.3		0.69	5.38	mg/Kg
Q1736-02	GST2	SOIL	Beryllium	0.42		0.013	0.32	mg/Kg
Q1736-02	GST2	SOIL	Cadmium	0.14	J	0.017	0.32	mg/Kg
Q1736-02	GST2	SOIL	Calcium	1230		3.01	108	mg/Kg
Q1736-02	GST2	SOIL	Chromium	8.72		0.058	0.54	mg/Kg
Q1736-02	GST2	SOIL	Cobalt	5.44		0.062	1.61	mg/Kg
Q1736-02	GST2	SOIL	Copper	10.2		0.51	1.08	mg/Kg
Q1736-02	GST2	SOIL	Iron	10000		2.89	5.38	mg/Kg
Q1736-02	GST2	SOIL	Lead	6.81		0.16	0.65	mg/Kg
Q1736-02	GST2	SOIL	Magnesium	2010		3.69	108	mg/Kg
Q1736-02	GST2	SOIL	Manganese	127		0.076	1.08	mg/Kg
Q1736-02	GST2	SOIL	Mercury	0.010	J	0.0080	0.015	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	Q1736	Order ID:	Q1736
Client:	G Environmental	Project ID:	Stockton

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1736-02	GST2	SOIL	Nickel	10.8		0.097	2.15	mg/Kg
Q1736-02	GST2	SOIL	Potassium	605		30.9	108	mg/Kg
Q1736-02	GST2	SOIL	Sodium	221		38.8	108	mg/Kg
Q1736-02	GST2	SOIL	Vanadium	13.5		0.29	2.15	mg/Kg
Q1736-02	GST2	SOIL	Zinc	21.4		0.12	2.15	mg/Kg

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SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	04/04/25
Project:	Stockton	Date Received:	04/04/25
Client Sample ID:	GST1	SDG No.:	Q1736
Lab Sample ID:	Q1736-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	78.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4450		1	2.75	5.71	mg/Kg	04/07/25 10:05	04/14/25 19:53	SW6010	SW3050
7440-36-0	Antimony	2.48	J	1	0.17	2.85	mg/Kg	04/07/25 10:05	04/14/25 19:53	SW6010	SW3050
7440-38-2	Arsenic	29.8	N	1	0.33	1.14	mg/Kg	04/07/25 10:05	04/14/25 19:53	SW6010	SW3050
7440-39-3	Barium	70.6	N	1	0.73	5.71	mg/Kg	04/07/25 10:05	04/14/25 19:53	SW6010	SW3050
7440-41-7	Beryllium	0.61	N	1	0.014	0.34	mg/Kg	04/07/25 10:05	04/14/25 19:53	SW6010	SW3050
7440-43-9	Cadmium	0.22	J*	1	0.018	0.34	mg/Kg	04/07/25 10:05	04/14/25 19:53	SW6010	SW3050
7440-70-2	Calcium	2230	*	1	3.19	114	mg/Kg	04/07/25 10:05	04/14/25 19:53	SW6010	SW3050
7440-47-3	Chromium	9.94	N	1	0.062	0.57	mg/Kg	04/07/25 10:05	04/14/25 19:53	SW6010	SW3050
7440-48-4	Cobalt	5.58	N	1	0.066	1.71	mg/Kg	04/07/25 10:05	04/14/25 19:53	SW6010	SW3050
7440-50-8	Copper	193	N	1	0.54	1.14	mg/Kg	04/07/25 10:05	04/14/25 19:53	SW6010	SW3050
7439-89-6	Iron	11300		1	3.07	5.71	mg/Kg	04/07/25 10:05	04/14/25 19:53	SW6010	SW3050
7439-92-1	Lead	184		1	0.17	0.69	mg/Kg	04/07/25 10:05	04/14/25 19:53	SW6010	SW3050
7439-95-4	Magnesium	1090		1	3.91	114	mg/Kg	04/07/25 10:05	04/14/25 19:53	SW6010	SW3050
7439-96-5	Manganese	73.7		1	0.081	1.14	mg/Kg	04/07/25 10:05	04/14/25 19:53	SW6010	SW3050
7439-97-6	Mercury	0.43		1	0.0090	0.015	mg/Kg	04/08/25 07:20	04/08/25 10:38	SW7471B	
7440-02-0	Nickel	53.6		1	0.10	2.28	mg/Kg	04/07/25 10:05	04/14/25 19:53	SW6010	SW3050
7440-09-7	Potassium	520	N*	1	32.7	114	mg/Kg	04/07/25 10:05	04/14/25 19:53	SW6010	SW3050
7782-49-2	Selenium	0.52	JN	1	0.38	1.14	mg/Kg	04/07/25 10:05	04/14/25 19:53	SW6010	SW3050
7440-22-4	Silver	0.059	UN	1	0.059	0.57	mg/Kg	04/07/25 10:05	04/14/25 19:53	SW6010	SW3050
7440-23-5	Sodium	327		1	41.2	114	mg/Kg	04/07/25 10:05	04/14/25 19:53	SW6010	SW3050
7440-28-0	Thallium	0.91	J	1	0.50	2.28	mg/Kg	04/07/25 10:05	04/14/25 19:53	SW6010	SW3050
7440-62-2	Vanadium	23.0	N	1	0.31	2.28	mg/Kg	04/07/25 10:05	04/14/25 19:53	SW6010	SW3050
7440-66-6	Zinc	98.9	N	1	0.13	2.28	mg/Kg	04/07/25 10:05	04/14/25 19:53	SW6010	SW3050

Color Before:	Black	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	G Environmental	Date Collected:	04/04/25
Project:	Stockton	Date Received:	04/04/25
Client Sample ID:	GST2	SDG No.:	Q1736
Lab Sample ID:	Q1736-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	80.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3670		1	2.59	5.38	mg/Kg	04/07/25 10:05	04/14/25 20:05	SW6010	SW3050
7440-36-0	Antimony	0.16	U	1	0.16	2.69	mg/Kg	04/07/25 10:05	04/14/25 20:05	SW6010	SW3050
7440-38-2	Arsenic	1.92	N	1	0.31	1.08	mg/Kg	04/07/25 10:05	04/14/25 20:05	SW6010	SW3050
7440-39-3	Barium	39.3	N	1	0.69	5.38	mg/Kg	04/07/25 10:05	04/14/25 20:05	SW6010	SW3050
7440-41-7	Beryllium	0.42	N	1	0.013	0.32	mg/Kg	04/07/25 10:05	04/14/25 20:05	SW6010	SW3050
7440-43-9	Cadmium	0.14	J*	1	0.017	0.32	mg/Kg	04/07/25 10:05	04/14/25 20:05	SW6010	SW3050
7440-70-2	Calcium	1230	*	1	3.01	108	mg/Kg	04/07/25 10:05	04/14/25 20:05	SW6010	SW3050
7440-47-3	Chromium	8.72	N	1	0.058	0.54	mg/Kg	04/07/25 10:05	04/14/25 20:05	SW6010	SW3050
7440-48-4	Cobalt	5.44	N	1	0.062	1.61	mg/Kg	04/07/25 10:05	04/14/25 20:05	SW6010	SW3050
7440-50-8	Copper	10.2	N	1	0.51	1.08	mg/Kg	04/07/25 10:05	04/14/25 20:05	SW6010	SW3050
7439-89-6	Iron	10000		1	2.89	5.38	mg/Kg	04/07/25 10:05	04/14/25 20:05	SW6010	SW3050
7439-92-1	Lead	6.81		1	0.16	0.65	mg/Kg	04/07/25 10:05	04/14/25 20:05	SW6010	SW3050
7439-95-4	Magnesium	2010		1	3.69	108	mg/Kg	04/07/25 10:05	04/14/25 20:05	SW6010	SW3050
7439-96-5	Manganese	127		1	0.076	1.08	mg/Kg	04/07/25 10:05	04/14/25 20:05	SW6010	SW3050
7439-97-6	Mercury	0.010	J	1	0.0080	0.015	mg/Kg	04/08/25 07:20	04/08/25 10:40	SW7471B	
7440-02-0	Nickel	10.8		1	0.097	2.15	mg/Kg	04/07/25 10:05	04/14/25 20:05	SW6010	SW3050
7440-09-7	Potassium	605	N*	1	30.9	108	mg/Kg	04/07/25 10:05	04/14/25 20:05	SW6010	SW3050
7782-49-2	Selenium	0.36	UN	1	0.36	1.08	mg/Kg	04/07/25 10:05	04/14/25 20:05	SW6010	SW3050
7440-22-4	Silver	0.056	UN	1	0.056	0.54	mg/Kg	04/07/25 10:05	04/14/25 20:05	SW6010	SW3050
7440-23-5	Sodium	221		1	38.8	108	mg/Kg	04/07/25 10:05	04/14/25 20:05	SW6010	SW3050
7440-28-0	Thallium	0.47	U	1	0.47	2.15	mg/Kg	04/07/25 10:05	04/14/25 20:05	SW6010	SW3050
7440-62-2	Vanadium	13.5	N	1	0.29	2.15	mg/Kg	04/07/25 10:05	04/14/25 20:05	SW6010	SW3050
7440-66-6	Zinc	21.4	N	1	0.12	2.15	mg/Kg	04/07/25 10:05	04/14/25 20:05	SW6010	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	G Environmental				SDG No.:	Q1736				
Contract:	GENV01		Lab Code:	CHEM		Case No.:	Q1736		SAS No.:	Q1736
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number	
ICB80	Mercury	0.20	+/-0.20	U	0.20	CV	04/08/2025	09:45	LB135337	

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental		SDG No.: Q1736							
Contract: GENV01	Lab Code: CHEM	Case No.: Q1736	SAS No.: Q1736						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB42	Mercury	0.20	+/-0.20	U	0.20	CV	04/08/2025	09:49	LB135337
CCB43	Mercury	0.20	+/-0.20	U	0.20	CV	04/08/2025	10:17	LB135337
CCB44	Mercury	0.20	+/-0.20	U	0.20	CV	04/08/2025	10:44	LB135337
CCB45	Mercury	0.20	+/-0.20	U	0.20	CV	04/08/2025	11:16	LB135337

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1736
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1736 **SAS No.:** Q1736

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	04/14/2025	14:05	LB135424
	Antimony	50.0	+/-50.0	U	50.0	P	04/14/2025	14:05	LB135424
	Arsenic	20.0	+/-20.0	U	20.0	P	04/14/2025	14:05	LB135424
	Barium	100	+/-100	U	100	P	04/14/2025	14:05	LB135424
	Beryllium	6.00	+/-6.00	U	6.00	P	04/14/2025	14:05	LB135424
	Cadmium	6.00	+/-6.00	U	6.00	P	04/14/2025	14:05	LB135424
	Calcium	2000	+/-2000	U	2000	P	04/14/2025	14:05	LB135424
	Chromium	10.0	+/-10.0	U	10.0	P	04/14/2025	14:05	LB135424
	Cobalt	30.0	+/-30.0	U	30.0	P	04/14/2025	14:05	LB135424
	Copper	20.0	+/-20.0	U	20.0	P	04/14/2025	14:05	LB135424
	Iron	100	+/-100	U	100	P	04/14/2025	14:05	LB135424
	Lead	12.0	+/-12.0	U	12.0	P	04/14/2025	14:05	LB135424
	Magnesium	2000	+/-2000	U	2000	P	04/14/2025	14:05	LB135424
	Manganese	20.0	+/-20.0	U	20.0	P	04/14/2025	14:05	LB135424
	Nickel	40.0	+/-40.0	U	40.0	P	04/14/2025	14:05	LB135424
	Potassium	2000	+/-2000	U	2000	P	04/14/2025	14:05	LB135424
	Selenium	20.0	+/-20.0	U	20.0	P	04/14/2025	14:05	LB135424
	Silver	10.0	+/-10.0	U	10.0	P	04/14/2025	14:05	LB135424
	Sodium	2000	+/-2000	U	2000	P	04/14/2025	14:05	LB135424
	Thallium	40.0	+/-40.0	U	40.0	P	04/14/2025	14:05	LB135424
	Vanadium	40.0	+/-40.0	U	40.0	P	04/14/2025	14:05	LB135424
	Zinc	40.0	+/-40.0	U	40.0	P	04/14/2025	14:05	LB135424

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental		SDG No.: Q1736							
Contract: GENV01	Lab Code: CHEM	Case No.: Q1736	SAS No.: Q1736						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	04/14/2025	14:35	LB135424
	Antimony	50.0	+/-50.0	U	50.0	P	04/14/2025	14:35	LB135424
	Arsenic	20.0	+/-20.0	U	20.0	P	04/14/2025	14:35	LB135424
	Barium	100	+/-100	U	100	P	04/14/2025	14:35	LB135424
	Beryllium	6.00	+/-6.00	U	6.00	P	04/14/2025	14:35	LB135424
	Cadmium	6.00	+/-6.00	U	6.00	P	04/14/2025	14:35	LB135424
	Calcium	2000	+/-2000	U	2000	P	04/14/2025	14:35	LB135424
	Chromium	10.0	+/-10.0	U	10.0	P	04/14/2025	14:35	LB135424
	Cobalt	30.0	+/-30.0	U	30.0	P	04/14/2025	14:35	LB135424
	Copper	20.0	+/-20.0	U	20.0	P	04/14/2025	14:35	LB135424
	Iron	100	+/-100	U	100	P	04/14/2025	14:35	LB135424
	Lead	12.0	+/-12.0	U	12.0	P	04/14/2025	14:35	LB135424
	Magnesium	2000	+/-2000	U	2000	P	04/14/2025	14:35	LB135424
	Manganese	20.0	+/-20.0	U	20.0	P	04/14/2025	14:35	LB135424
	Nickel	40.0	+/-40.0	U	40.0	P	04/14/2025	14:35	LB135424
	Potassium	2000	+/-2000	U	2000	P	04/14/2025	14:35	LB135424
	Selenium	20.0	+/-20.0	U	20.0	P	04/14/2025	14:35	LB135424
	Silver	10.0	+/-10.0	U	10.0	P	04/14/2025	14:35	LB135424
	Sodium	2000	+/-2000	U	2000	P	04/14/2025	14:35	LB135424
	Thallium	40.0	+/-40.0	U	40.0	P	04/14/2025	14:35	LB135424
	Vanadium	40.0	+/-40.0	U	40.0	P	04/14/2025	14:35	LB135424
	Zinc	40.0	+/-40.0	U	40.0	P	04/14/2025	14:35	LB135424
CCB02	Aluminum	100	+/-100	U	100	P	04/14/2025	15:26	LB135424
	Antimony	50.0	+/-50.0	U	50.0	P	04/14/2025	15:26	LB135424
	Arsenic	20.0	+/-20.0	U	20.0	P	04/14/2025	15:26	LB135424
	Barium	100	+/-100	U	100	P	04/14/2025	15:26	LB135424
	Beryllium	6.00	+/-6.00	U	6.00	P	04/14/2025	15:26	LB135424
	Cadmium	6.00	+/-6.00	U	6.00	P	04/14/2025	15:26	LB135424
	Calcium	2000	+/-2000	U	2000	P	04/14/2025	15:26	LB135424
	Chromium	10.0	+/-10.0	U	10.0	P	04/14/2025	15:26	LB135424
	Cobalt	30.0	+/-30.0	U	30.0	P	04/14/2025	15:26	LB135424
	Copper	20.0	+/-20.0	U	20.0	P	04/14/2025	15:26	LB135424
	Iron	100	+/-100	U	100	P	04/14/2025	15:26	LB135424
	Lead	12.0	+/-12.0	U	12.0	P	04/14/2025	15:26	LB135424
	Magnesium	2000	+/-2000	U	2000	P	04/14/2025	15:26	LB135424
	Manganese	20.0	+/-20.0	U	20.0	P	04/14/2025	15:26	LB135424
	Nickel	40.0	+/-40.0	U	40.0	P	04/14/2025	15:26	LB135424
	Potassium	2000	+/-2000	U	2000	P	04/14/2025	15:26	LB135424
	Selenium	20.0	+/-20.0	U	20.0	P	04/14/2025	15:26	LB135424

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental		SDG No.: Q1736							
Contract: GENV01	Lab Code: CHEM	Case No.: Q1736	SAS No.: Q1736						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	04/14/2025	15:26	LB135424
	Sodium	2000	+/-2000	U	2000	P	04/14/2025	15:26	LB135424
	Thallium	40.0	+/-40.0	U	40.0	P	04/14/2025	15:26	LB135424
	Vanadium	40.0	+/-40.0	U	40.0	P	04/14/2025	15:26	LB135424
	Zinc	40.0	+/-40.0	U	40.0	P	04/14/2025	15:26	LB135424
CCB03	Aluminum	100	+/-100	U	100	P	04/14/2025	16:32	LB135424
	Antimony	50.0	+/-50.0	U	50.0	P	04/14/2025	16:32	LB135424
	Arsenic	20.0	+/-20.0	U	20.0	P	04/14/2025	16:32	LB135424
	Barium	100	+/-100	U	100	P	04/14/2025	16:32	LB135424
	Beryllium	6.00	+/-6.00	U	6.00	P	04/14/2025	16:32	LB135424
	Cadmium	6.00	+/-6.00	U	6.00	P	04/14/2025	16:32	LB135424
	Calcium	2000	+/-2000	U	2000	P	04/14/2025	16:32	LB135424
	Chromium	10.0	+/-10.0	U	10.0	P	04/14/2025	16:32	LB135424
	Cobalt	30.0	+/-30.0	U	30.0	P	04/14/2025	16:32	LB135424
	Copper	20.0	+/-20.0	U	20.0	P	04/14/2025	16:32	LB135424
	Iron	100	+/-100	U	100	P	04/14/2025	16:32	LB135424
	Lead	12.0	+/-12.0	U	12.0	P	04/14/2025	16:32	LB135424
	Magnesium	2000	+/-2000	U	2000	P	04/14/2025	16:32	LB135424
	Manganese	20.0	+/-20.0	U	20.0	P	04/14/2025	16:32	LB135424
	Nickel	40.0	+/-40.0	U	40.0	P	04/14/2025	16:32	LB135424
	Potassium	2000	+/-2000	U	2000	P	04/14/2025	16:32	LB135424
	Selenium	20.0	+/-20.0	U	20.0	P	04/14/2025	16:32	LB135424
	Silver	10.0	+/-10.0	U	10.0	P	04/14/2025	16:32	LB135424
	Sodium	2000	+/-2000	U	2000	P	04/14/2025	16:32	LB135424
	Thallium	40.0	+/-40.0	U	40.0	P	04/14/2025	16:32	LB135424
	Vanadium	40.0	+/-40.0	U	40.0	P	04/14/2025	16:32	LB135424
	Zinc	40.0	+/-40.0	U	40.0	P	04/14/2025	16:32	LB135424
CCB04	Aluminum	100	+/-100	U	100	P	04/14/2025	17:22	LB135424
	Antimony	50.0	+/-50.0	U	50.0	P	04/14/2025	17:22	LB135424
	Arsenic	20.0	+/-20.0	U	20.0	P	04/14/2025	17:22	LB135424
	Barium	100	+/-100	U	100	P	04/14/2025	17:22	LB135424
	Beryllium	6.00	+/-6.00	U	6.00	P	04/14/2025	17:22	LB135424
	Cadmium	6.00	+/-6.00	U	6.00	P	04/14/2025	17:22	LB135424
	Calcium	2000	+/-2000	U	2000	P	04/14/2025	17:22	LB135424
	Chromium	10.0	+/-10.0	U	10.0	P	04/14/2025	17:22	LB135424
	Cobalt	30.0	+/-30.0	U	30.0	P	04/14/2025	17:22	LB135424
	Copper	20.0	+/-20.0	U	20.0	P	04/14/2025	17:22	LB135424
	Iron	100	+/-100	U	100	P	04/14/2025	17:22	LB135424
	Lead	12.0	+/-12.0	U	12.0	P	04/14/2025	17:22	LB135424

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental		SDG No.: Q1736							
Contract: GENV01	Lab Code: CHEM	Case No.: Q1736	SAS No.: Q1736						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	04/14/2025	17:22	LB135424
	Manganese	20.0	+/-20.0	U	20.0	P	04/14/2025	17:22	LB135424
	Nickel	40.0	+/-40.0	U	40.0	P	04/14/2025	17:22	LB135424
	Potassium	2000	+/-2000	U	2000	P	04/14/2025	17:22	LB135424
	Selenium	20.0	+/-20.0	U	20.0	P	04/14/2025	17:22	LB135424
	Silver	10.0	+/-10.0	U	10.0	P	04/14/2025	17:22	LB135424
	Sodium	2000	+/-2000	U	2000	P	04/14/2025	17:22	LB135424
	Thallium	40.0	+/-40.0	U	40.0	P	04/14/2025	17:22	LB135424
	Vanadium	40.0	+/-40.0	U	40.0	P	04/14/2025	17:22	LB135424
	Zinc	40.0	+/-40.0	U	40.0	P	04/14/2025	17:22	LB135424
CCB05	Aluminum	100	+/-100	U	100	P	04/14/2025	18:20	LB135424
	Antimony	50.0	+/-50.0	U	50.0	P	04/14/2025	18:20	LB135424
	Arsenic	20.0	+/-20.0	U	20.0	P	04/14/2025	18:20	LB135424
	Barium	100	+/-100	U	100	P	04/14/2025	18:20	LB135424
	Beryllium	6.00	+/-6.00	U	6.00	P	04/14/2025	18:20	LB135424
	Cadmium	6.00	+/-6.00	U	6.00	P	04/14/2025	18:20	LB135424
	Calcium	2000	+/-2000	U	2000	P	04/14/2025	18:20	LB135424
	Chromium	10.0	+/-10.0	U	10.0	P	04/14/2025	18:20	LB135424
	Cobalt	30.0	+/-30.0	U	30.0	P	04/14/2025	18:20	LB135424
	Copper	20.0	+/-20.0	U	20.0	P	04/14/2025	18:20	LB135424
	Iron	100	+/-100	U	100	P	04/14/2025	18:20	LB135424
	Lead	12.0	+/-12.0	U	12.0	P	04/14/2025	18:20	LB135424
	Magnesium	2000	+/-2000	U	2000	P	04/14/2025	18:20	LB135424
	Manganese	20.0	+/-20.0	U	20.0	P	04/14/2025	18:20	LB135424
	Nickel	40.0	+/-40.0	U	40.0	P	04/14/2025	18:20	LB135424
	Potassium	2000	+/-2000	U	2000	P	04/14/2025	18:20	LB135424
	Selenium	20.0	+/-20.0	U	20.0	P	04/14/2025	18:20	LB135424
	Silver	10.0	+/-10.0	U	10.0	P	04/14/2025	18:20	LB135424
	Sodium	2000	+/-2000	U	2000	P	04/14/2025	18:20	LB135424
	Thallium	40.0	+/-40.0	U	40.0	P	04/14/2025	18:20	LB135424
	Vanadium	40.0	+/-40.0	U	40.0	P	04/14/2025	18:20	LB135424
	Zinc	40.0	+/-40.0	U	40.0	P	04/14/2025	18:20	LB135424
CCB06	Aluminum	100	+/-100	U	100	P	04/14/2025	19:11	LB135424
	Antimony	50.0	+/-50.0	U	50.0	P	04/14/2025	19:11	LB135424
	Arsenic	20.0	+/-20.0	U	20.0	P	04/14/2025	19:11	LB135424
	Barium	100	+/-100	U	100	P	04/14/2025	19:11	LB135424
	Beryllium	6.00	+/-6.00	U	6.00	P	04/14/2025	19:11	LB135424
	Cadmium	6.00	+/-6.00	U	6.00	P	04/14/2025	19:11	LB135424
	Calcium	2000	+/-2000	U	2000	P	04/14/2025	19:11	LB135424

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>G Environmental</u>		SDG No.: <u>Q1736</u>							
Contract: <u>GENV01</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q1736</u>	SAS No.: <u>Q1736</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	04/14/2025	19:11	LB135424
	Cobalt	30.0	+/-30.0	U	30.0	P	04/14/2025	19:11	LB135424
	Copper	20.0	+/-20.0	U	20.0	P	04/14/2025	19:11	LB135424
	Iron	100	+/-100	U	100	P	04/14/2025	19:11	LB135424
	Lead	12.0	+/-12.0	U	12.0	P	04/14/2025	19:11	LB135424
	Magnesium	2000	+/-2000	U	2000	P	04/14/2025	19:11	LB135424
	Manganese	20.0	+/-20.0	U	20.0	P	04/14/2025	19:11	LB135424
	Nickel	40.0	+/-40.0	U	40.0	P	04/14/2025	19:11	LB135424
	Potassium	2000	+/-2000	U	2000	P	04/14/2025	19:11	LB135424
	Selenium	20.0	+/-20.0	U	20.0	P	04/14/2025	19:11	LB135424
	Silver	10.0	+/-10.0	U	10.0	P	04/14/2025	19:11	LB135424
	Sodium	2000	+/-2000	U	2000	P	04/14/2025	19:11	LB135424
	Thallium	40.0	+/-40.0	U	40.0	P	04/14/2025	19:11	LB135424
	Vanadium	40.0	+/-40.0	U	40.0	P	04/14/2025	19:11	LB135424
	Zinc	40.0	+/-40.0	U	40.0	P	04/14/2025	19:11	LB135424
CCB07	Aluminum	100	+/-100	U	100	P	04/14/2025	20:01	LB135424
	Antimony	50.0	+/-50.0	U	50.0	P	04/14/2025	20:01	LB135424
	Arsenic	20.0	+/-20.0	U	20.0	P	04/14/2025	20:01	LB135424
	Barium	100	+/-100	U	100	P	04/14/2025	20:01	LB135424
	Beryllium	6.00	+/-6.00	U	6.00	P	04/14/2025	20:01	LB135424
	Cadmium	6.00	+/-6.00	U	6.00	P	04/14/2025	20:01	LB135424
	Calcium	2000	+/-2000	U	2000	P	04/14/2025	20:01	LB135424
	Chromium	10.0	+/-10.0	U	10.0	P	04/14/2025	20:01	LB135424
	Cobalt	30.0	+/-30.0	U	30.0	P	04/14/2025	20:01	LB135424
	Copper	20.0	+/-20.0	U	20.0	P	04/14/2025	20:01	LB135424
	Iron	100	+/-100	U	100	P	04/14/2025	20:01	LB135424
	Lead	12.0	+/-12.0	U	12.0	P	04/14/2025	20:01	LB135424
	Magnesium	2000	+/-2000	U	2000	P	04/14/2025	20:01	LB135424
	Manganese	20.0	+/-20.0	U	20.0	P	04/14/2025	20:01	LB135424
	Nickel	40.0	+/-40.0	U	40.0	P	04/14/2025	20:01	LB135424
	Potassium	2000	+/-2000	U	2000	P	04/14/2025	20:01	LB135424
	Selenium	20.0	+/-20.0	U	20.0	P	04/14/2025	20:01	LB135424
	Silver	10.0	+/-10.0	U	10.0	P	04/14/2025	20:01	LB135424
	Sodium	2000	+/-2000	U	2000	P	04/14/2025	20:01	LB135424
	Thallium	40.0	+/-40.0	U	40.0	P	04/14/2025	20:01	LB135424
	Vanadium	40.0	+/-40.0	U	40.0	P	04/14/2025	20:01	LB135424
	Zinc	40.0	+/-40.0	U	40.0	P	04/14/2025	20:01	LB135424
CCB08	Aluminum	100	+/-100	U	100	P	04/14/2025	20:52	LB135424
	Antimony	50.0	+/-50.0	U	50.0	P	04/14/2025	20:52	LB135424

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental		SDG No.: Q1736							
Contract: GENV01	Lab Code: CHEM	Case No.: Q1736	SAS No.: Q1736						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	20.0	+/-20.0	U	20.0	P	04/14/2025	20:52	LB135424
	Barium	100	+/-100	U	100	P	04/14/2025	20:52	LB135424
	Beryllium	6.00	+/-6.00	U	6.00	P	04/14/2025	20:52	LB135424
	Cadmium	6.00	+/-6.00	U	6.00	P	04/14/2025	20:52	LB135424
	Calcium	2000	+/-2000	U	2000	P	04/14/2025	20:52	LB135424
	Chromium	10.0	+/-10.0	U	10.0	P	04/14/2025	20:52	LB135424
	Cobalt	30.0	+/-30.0	U	30.0	P	04/14/2025	20:52	LB135424
	Copper	20.0	+/-20.0	U	20.0	P	04/14/2025	20:52	LB135424
	Iron	100	+/-100	U	100	P	04/14/2025	20:52	LB135424
	Lead	12.0	+/-12.0	U	12.0	P	04/14/2025	20:52	LB135424
	Magnesium	2000	+/-2000	U	2000	P	04/14/2025	20:52	LB135424
	Manganese	20.0	+/-20.0	U	20.0	P	04/14/2025	20:52	LB135424
	Nickel	40.0	+/-40.0	U	40.0	P	04/14/2025	20:52	LB135424
	Potassium	2000	+/-2000	U	2000	P	04/14/2025	20:52	LB135424
	Selenium	20.0	+/-20.0	U	20.0	P	04/14/2025	20:52	LB135424
	Silver	10.0	+/-10.0	U	10.0	P	04/14/2025	20:52	LB135424
	Sodium	2000	+/-2000	U	2000	P	04/14/2025	20:52	LB135424
	Thallium	40.0	+/-40.0	U	40.0	P	04/14/2025	20:52	LB135424
	Vanadium	40.0	+/-40.0	U	40.0	P	04/14/2025	20:52	LB135424
	Zinc	40.0	+/-40.0	U	40.0	P	04/14/2025	20:52	LB135424
CCB09	Aluminum	100	+/-100	U	100	P	04/14/2025	21:42	LB135424
	Antimony	50.0	+/-50.0	U	50.0	P	04/14/2025	21:42	LB135424
	Arsenic	20.0	+/-20.0	U	20.0	P	04/14/2025	21:42	LB135424
	Barium	100	+/-100	U	100	P	04/14/2025	21:42	LB135424
	Beryllium	6.00	+/-6.00	U	6.00	P	04/14/2025	21:42	LB135424
	Cadmium	6.00	+/-6.00	U	6.00	P	04/14/2025	21:42	LB135424
	Calcium	2000	+/-2000	U	2000	P	04/14/2025	21:42	LB135424
	Chromium	10.0	+/-10.0	U	10.0	P	04/14/2025	21:42	LB135424
	Cobalt	30.0	+/-30.0	U	30.0	P	04/14/2025	21:42	LB135424
	Copper	20.0	+/-20.0	U	20.0	P	04/14/2025	21:42	LB135424
	Iron	100	+/-100	U	100	P	04/14/2025	21:42	LB135424
	Lead	12.0	+/-12.0	U	12.0	P	04/14/2025	21:42	LB135424
	Magnesium	2000	+/-2000	U	2000	P	04/14/2025	21:42	LB135424
	Manganese	20.0	+/-20.0	U	20.0	P	04/14/2025	21:42	LB135424
	Nickel	40.0	+/-40.0	U	40.0	P	04/14/2025	21:42	LB135424
	Potassium	2000	+/-2000	U	2000	P	04/14/2025	21:42	LB135424
	Selenium	20.0	+/-20.0	U	20.0	P	04/14/2025	21:42	LB135424
	Silver	10.0	+/-10.0	U	10.0	P	04/14/2025	21:42	LB135424
	Sodium	2000	+/-2000	U	2000	P	04/14/2025	21:42	LB135424

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental		SDG No.: Q1736							
Contract: GENV01	Lab Code: CHEM	Case No.: Q1736	SAS No.: Q1736						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	40.0	+/-40.0	U	40.0	P	04/14/2025	21:42	LB135424
	Vanadium	40.0	+/-40.0	U	40.0	P	04/14/2025	21:42	LB135424
	Zinc	40.0	+/-40.0	U	40.0	P	04/14/2025	21:42	LB135424
CCB10	Aluminum	100	+/-100	U	100	P	04/14/2025	22:32	LB135424
	Antimony	50.0	+/-50.0	U	50.0	P	04/14/2025	22:32	LB135424
	Arsenic	20.0	+/-20.0	U	20.0	P	04/14/2025	22:32	LB135424
	Barium	100	+/-100	U	100	P	04/14/2025	22:32	LB135424
	Beryllium	6.00	+/-6.00	U	6.00	P	04/14/2025	22:32	LB135424
	Cadmium	6.00	+/-6.00	U	6.00	P	04/14/2025	22:32	LB135424
	Calcium	2000	+/-2000	U	2000	P	04/14/2025	22:32	LB135424
	Chromium	10.0	+/-10.0	U	10.0	P	04/14/2025	22:32	LB135424
	Cobalt	30.0	+/-30.0	U	30.0	P	04/14/2025	22:32	LB135424
	Copper	20.0	+/-20.0	U	20.0	P	04/14/2025	22:32	LB135424
	Iron	100	+/-100	U	100	P	04/14/2025	22:32	LB135424
	Lead	12.0	+/-12.0	U	12.0	P	04/14/2025	22:32	LB135424
	Magnesium	2000	+/-2000	U	2000	P	04/14/2025	22:32	LB135424
	Manganese	20.0	+/-20.0	U	20.0	P	04/14/2025	22:32	LB135424
	Nickel	40.0	+/-40.0	U	40.0	P	04/14/2025	22:32	LB135424
	Potassium	2000	+/-2000	U	2000	P	04/14/2025	22:32	LB135424
	Selenium	20.0	+/-20.0	U	20.0	P	04/14/2025	22:32	LB135424
	Silver	10.0	+/-10.0	U	10.0	P	04/14/2025	22:32	LB135424
	Sodium	2000	+/-2000	U	2000	P	04/14/2025	22:32	LB135424
	Thallium	40.0	+/-40.0	U	40.0	P	04/14/2025	22:32	LB135424
	Vanadium	40.0	+/-40.0	U	40.0	P	04/14/2025	22:32	LB135424
	Zinc	40.0	+/-40.0	U	40.0	P	04/14/2025	22:32	LB135424
	Aluminum	100	+/-100	U	100	P	04/14/2025	22:44	LB135424
	Antimony	50.0	+/-50.0	U	50.0	P	04/14/2025	22:44	LB135424
	Arsenic	20.0	+/-20.0	U	20.0	P	04/14/2025	22:44	LB135424
	Barium	100	+/-100	U	100	P	04/14/2025	22:44	LB135424
	Beryllium	6.00	+/-6.00	U	6.00	P	04/14/2025	22:44	LB135424
	Cadmium	6.00	+/-6.00	U	6.00	P	04/14/2025	22:44	LB135424
	Calcium	2000	+/-2000	U	2000	P	04/14/2025	22:44	LB135424
	Chromium	10.0	+/-10.0	U	10.0	P	04/14/2025	22:44	LB135424
	Cobalt	30.0	+/-30.0	U	30.0	P	04/14/2025	22:44	LB135424
	Copper	20.0	+/-20.0	U	20.0	P	04/14/2025	22:44	LB135424
	Iron	100	+/-100	U	100	P	04/14/2025	22:44	LB135424
	Lead	12.0	+/-12.0	U	12.0	P	04/14/2025	22:44	LB135424
	Magnesium	2000	+/-2000	U	2000	P	04/14/2025	22:44	LB135424
	Manganese	20.0	+/-20.0	U	20.0	P	04/14/2025	22:44	LB135424

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental SDG No.: Q1736
Contract: GENV01 Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB11	Nickel	40.0	+/-40.0	U	40.0	P	04/14/2025	22:44	LB135424
	Potassium	2000	+/-2000	U	2000	P	04/14/2025	22:44	LB135424
	Selenium	20.0	+/-20.0	U	20.0	P	04/14/2025	22:44	LB135424
	Silver	10.0	+/-10.0	U	10.0	P	04/14/2025	22:44	LB135424
	Sodium	2000	+/-2000	U	2000	P	04/14/2025	22:44	LB135424
	Thallium	40.0	+/-40.0	U	40.0	P	04/14/2025	22:44	LB135424
	Vanadium	40.0	+/-40.0	U	40.0	P	04/14/2025	22:44	LB135424
	Zinc	40.0	+/-40.0	U	40.0	P	04/14/2025	22:44	LB135424
CCB12	Aluminum	100	+/-100	U	100	P	04/14/2025	23:11	LB135424
	Antimony	50.0	+/-50.0	U	50.0	P	04/14/2025	23:11	LB135424
	Arsenic	20.0	+/-20.0	U	20.0	P	04/14/2025	23:11	LB135424
	Barium	100	+/-100	U	100	P	04/14/2025	23:11	LB135424
	Beryllium	6.00	+/-6.00	U	6.00	P	04/14/2025	23:11	LB135424
	Cadmium	6.00	+/-6.00	U	6.00	P	04/14/2025	23:11	LB135424
	Calcium	2000	+/-2000	U	2000	P	04/14/2025	23:11	LB135424
	Chromium	10.0	+/-10.0	U	10.0	P	04/14/2025	23:11	LB135424
	Cobalt	30.0	+/-30.0	U	30.0	P	04/14/2025	23:11	LB135424
	Copper	20.0	+/-20.0	U	20.0	P	04/14/2025	23:11	LB135424
	Iron	100	+/-100	U	100	P	04/14/2025	23:11	LB135424
	Lead	12.0	+/-12.0	U	12.0	P	04/14/2025	23:11	LB135424
	Magnesium	2000	+/-2000	U	2000	P	04/14/2025	23:11	LB135424
	Manganese	20.0	+/-20.0	U	20.0	P	04/14/2025	23:11	LB135424
	Nickel	40.0	+/-40.0	U	40.0	P	04/14/2025	23:11	LB135424
	Potassium	2000	+/-2000	U	2000	P	04/14/2025	23:11	LB135424
	Selenium	20.0	+/-20.0	U	20.0	P	04/14/2025	23:11	LB135424
	Silver	10.0	+/-10.0	U	10.0	P	04/14/2025	23:11	LB135424
	Sodium	2000	+/-2000	U	2000	P	04/14/2025	23:11	LB135424
	Thallium	40.0	+/-40.0	U	40.0	P	04/14/2025	23:11	LB135424
	Vanadium	40.0	+/-40.0	U	40.0	P	04/14/2025	23:11	LB135424
	Zinc	40.0	+/-40.0	U	40.0	P	04/14/2025	23:11	LB135424

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q1736

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB167516BL		SOLID		Batch Number:	PB167516		Prep Date:	04/08/2025	
	Mercury	0.013	<0.013	U	0.013	CV	04/08/2025	09:59	LB135337

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q1736

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB167482BL	SOLID			Batch Number:	PB167482		Prep Date:	04/07/2025	
	Aluminum	4.55	<4.55	U	4.55	P	04/14/2025	18:00	LB135424
	Antimony	2.27	<2.27	U	2.27	P	04/14/2025	18:00	LB135424
	Arsenic	0.91	<0.91	U	0.91	P	04/14/2025	18:00	LB135424
	Barium	4.55	<4.55	U	4.55	P	04/14/2025	18:00	LB135424
	Beryllium	0.27	<0.27	U	0.27	P	04/14/2025	18:00	LB135424
	Cadmium	0.27	<0.27	U	0.27	P	04/14/2025	18:00	LB135424
	Calcium	90.9	<90.9	U	90.9	P	04/14/2025	18:00	LB135424
	Chromium	0.46	<0.46	U	0.46	P	04/14/2025	18:00	LB135424
	Cobalt	1.36	<1.36	U	1.36	P	04/14/2025	18:00	LB135424
	Copper	0.91	<0.91	U	0.91	P	04/14/2025	18:00	LB135424
	Iron	4.55	<4.55	U	4.55	P	04/14/2025	18:00	LB135424
	Lead	0.55	<0.55	U	0.55	P	04/14/2025	18:00	LB135424
	Magnesium	90.9	<90.9	U	90.9	P	04/14/2025	18:00	LB135424
	Manganese	0.91	<0.91	U	0.91	P	04/14/2025	18:00	LB135424
	Nickel	1.82	<1.82	U	1.82	P	04/14/2025	18:00	LB135424
	Potassium	90.9	<90.9	U	90.9	P	04/14/2025	18:00	LB135424
	Selenium	0.91	<0.91	U	0.91	P	04/14/2025	18:00	LB135424
	Silver	0.46	<0.46	U	0.46	P	04/14/2025	18:00	LB135424
	Sodium	90.9	<90.9	U	90.9	P	04/14/2025	18:00	LB135424
	Thallium	1.82	<1.82	U	1.82	P	04/14/2025	18:00	LB135424
	Vanadium	1.82	<1.82	U	1.82	P	04/14/2025	18:00	LB135424
	Zinc	1.82	<1.82	U	1.82	P	04/14/2025	18:00	LB135424



METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1736

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1736 **SAS No.:** Q1736

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV80	Mercury	3.68	4.0	92	90 - 110	CV	04/08/2025	09:43	LB135337

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1736
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1736 **SAS No.:** Q1736
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV42	Mercury	5.06	5.0	101	90 - 110	CV	04/08/2025	09:47	LB135337
CCV43	Mercury	4.80	5.0	96	90 - 110	CV	04/08/2025	10:15	LB135337
CCV44	Mercury	4.61	5.0	92	90 - 110	CV	04/08/2025	10:42	LB135337
CCV45	Mercury	5.27	5.0	105	90 - 110	CV	04/08/2025	11:14	LB135337

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1736
 Contract: GENV01 Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736
 Initial Calibration Source: EPA
 Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2360	2500	94	90 - 110	P	04/14/2025	13:56	LB135424
	Antimony	1040	1000	104	90 - 110	P	04/14/2025	13:56	LB135424
	Arsenic	1060	1000	106	90 - 110	P	04/14/2025	13:56	LB135424
	Barium	534	520	103	90 - 110	P	04/14/2025	13:56	LB135424
	Beryllium	496	510	97	90 - 110	P	04/14/2025	13:56	LB135424
	Cadmium	507	510	99	90 - 110	P	04/14/2025	13:56	LB135424
	Calcium	9360	10000	94	90 - 110	P	04/14/2025	13:56	LB135424
	Chromium	507	520	98	90 - 110	P	04/14/2025	13:56	LB135424
	Cobalt	490	520	94	90 - 110	P	04/14/2025	13:56	LB135424
	Copper	513	510	100	90 - 110	P	04/14/2025	13:56	LB135424
	Iron	9380	10000	94	90 - 110	P	04/14/2025	13:56	LB135424
	Lead	1000	1000	100	90 - 110	P	04/14/2025	13:56	LB135424
	Magnesium	5990	6000	100	90 - 110	P	04/14/2025	13:56	LB135424
	Manganese	483	520	93	90 - 110	P	04/14/2025	13:56	LB135424
	Nickel	494	530	93	90 - 110	P	04/14/2025	13:56	LB135424
	Potassium	9740	9900	98	90 - 110	P	04/14/2025	13:56	LB135424
	Selenium	1050	1000	105	90 - 110	P	04/14/2025	13:56	LB135424
	Silver	246	250	98	90 - 110	P	04/14/2025	13:56	LB135424
	Sodium	10100	10000	101	90 - 110	P	04/14/2025	13:56	LB135424
	Thallium	1030	1000	103	90 - 110	P	04/14/2025	13:56	LB135424
	Vanadium	474	500	95	90 - 110	P	04/14/2025	13:56	LB135424
	Zinc	994	1000	99	90 - 110	P	04/14/2025	13:56	LB135424

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1736
 Contract: GENV01 Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736
 Initial Calibration Source: EPA
 Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	97.5	100	98	80 - 120	P	04/14/2025	14:01	LB135424
	Antimony	53.2	50.0	106	80 - 120	P	04/14/2025	14:01	LB135424
	Arsenic	22.8	20.0	114	80 - 120	P	04/14/2025	14:01	LB135424
	Barium	96.1	100	96	80 - 120	P	04/14/2025	14:01	LB135424
	Beryllium	6.00	6.0	100	80 - 120	P	04/14/2025	14:01	LB135424
	Cadmium	6.12	6.0	102	80 - 120	P	04/14/2025	14:01	LB135424
	Calcium	1980	2000	99	80 - 120	P	04/14/2025	14:01	LB135424
	Chromium	9.81	10.0	98	80 - 120	P	04/14/2025	14:01	LB135424
	Cobalt	29.6	30.0	98	80 - 120	P	04/14/2025	14:01	LB135424
	Copper	22.6	20.0	113	80 - 120	P	04/14/2025	14:01	LB135424
	Iron	99.4	100	99	80 - 120	P	04/14/2025	14:01	LB135424
	Lead	12.4	12.0	103	80 - 120	P	04/14/2025	14:01	LB135424
	Magnesium	2080	2000	104	80 - 120	P	04/14/2025	14:01	LB135424
	Manganese	20.6	20.0	103	80 - 120	P	04/14/2025	14:01	LB135424
	Nickel	39.5	40.0	99	80 - 120	P	04/14/2025	14:01	LB135424
	Potassium	1920	2000	96	80 - 120	P	04/14/2025	14:01	LB135424
	Selenium	19.0	20.0	95	80 - 120	P	04/14/2025	14:01	LB135424
	Silver	10.0	10.0	100	80 - 120	P	04/14/2025	14:01	LB135424
	Sodium	1840	2000	92	80 - 120	P	04/14/2025	14:01	LB135424
	Thallium	41.8	40.0	105	80 - 120	P	04/14/2025	14:01	LB135424
	Vanadium	40.4	40.0	101	80 - 120	P	04/14/2025	14:01	LB135424
	Zinc	41.6	40.0	104	80 - 120	P	04/14/2025	14:01	LB135424

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1736
Contract: GENV01 Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9750	10000	98	90 - 110	P	04/14/2025	14:31	LB135424
	Antimony	4920	5000	98	90 - 110	P	04/14/2025	14:31	LB135424
	Arsenic	4910	5000	98	90 - 110	P	04/14/2025	14:31	LB135424
	Barium	9640	10000	96	90 - 110	P	04/14/2025	14:31	LB135424
	Beryllium	256	250	102	90 - 110	P	04/14/2025	14:31	LB135424
	Cadmium	2460	2500	98	90 - 110	P	04/14/2025	14:31	LB135424
	Calcium	24400	25000	98	90 - 110	P	04/14/2025	14:31	LB135424
	Chromium	1000	1000	100	90 - 110	P	04/14/2025	14:31	LB135424
	Cobalt	2460	2500	98	90 - 110	P	04/14/2025	14:31	LB135424
	Copper	1240	1250	100	90 - 110	P	04/14/2025	14:31	LB135424
	Iron	4830	5000	97	90 - 110	P	04/14/2025	14:31	LB135424
	Lead	4940	5000	99	90 - 110	P	04/14/2025	14:31	LB135424
	Magnesium	24400	25000	98	90 - 110	P	04/14/2025	14:31	LB135424
	Manganese	2440	2500	98	90 - 110	P	04/14/2025	14:31	LB135424
	Nickel	2460	2500	98	90 - 110	P	04/14/2025	14:31	LB135424
	Potassium	23800	25000	95	90 - 110	P	04/14/2025	14:31	LB135424
	Selenium	4930	5000	98	90 - 110	P	04/14/2025	14:31	LB135424
	Silver	1250	1250	100	90 - 110	P	04/14/2025	14:31	LB135424
	Sodium	23800	25000	95	90 - 110	P	04/14/2025	14:31	LB135424
	Thallium	5050	5000	101	90 - 110	P	04/14/2025	14:31	LB135424
	Vanadium	2440	2500	98	90 - 110	P	04/14/2025	14:31	LB135424
	Zinc	2510	2500	100	90 - 110	P	04/14/2025	14:31	LB135424
CCV02	Aluminum	9730	10000	97	90 - 110	P	04/14/2025	15:22	LB135424
	Antimony	4950	5000	99	90 - 110	P	04/14/2025	15:22	LB135424
	Arsenic	4930	5000	99	90 - 110	P	04/14/2025	15:22	LB135424
	Barium	9580	10000	96	90 - 110	P	04/14/2025	15:22	LB135424
	Beryllium	246	250	98	90 - 110	P	04/14/2025	15:22	LB135424
	Cadmium	2460	2500	98	90 - 110	P	04/14/2025	15:22	LB135424
	Calcium	24100	25000	96	90 - 110	P	04/14/2025	15:22	LB135424
	Chromium	995	1000	100	90 - 110	P	04/14/2025	15:22	LB135424
	Cobalt	2460	2500	98	90 - 110	P	04/14/2025	15:22	LB135424
	Copper	1250	1250	100	90 - 110	P	04/14/2025	15:22	LB135424
	Iron	4880	5000	98	90 - 110	P	04/14/2025	15:22	LB135424
	Lead	4930	5000	98	90 - 110	P	04/14/2025	15:22	LB135424

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1736
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1736 **SAS No.:** Q1736
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24000	25000	96	90 - 110	P	04/14/2025	15:22	LB135424
	Manganese	2410	2500	96	90 - 110	P	04/14/2025	15:22	LB135424
	Nickel	2460	2500	98	90 - 110	P	04/14/2025	15:22	LB135424
	Potassium	24300	25000	97	90 - 110	P	04/14/2025	15:22	LB135424
	Selenium	4970	5000	99	90 - 110	P	04/14/2025	15:22	LB135424
	Silver	1230	1250	98	90 - 110	P	04/14/2025	15:22	LB135424
	Sodium	24400	25000	98	90 - 110	P	04/14/2025	15:22	LB135424
	Thallium	4980	5000	100	90 - 110	P	04/14/2025	15:22	LB135424
	Vanadium	2420	2500	97	90 - 110	P	04/14/2025	15:22	LB135424
	Zinc	2480	2500	99	90 - 110	P	04/14/2025	15:22	LB135424
CCV03	Aluminum	9760	10000	98	90 - 110	P	04/14/2025	16:28	LB135424
	Antimony	4910	5000	98	90 - 110	P	04/14/2025	16:28	LB135424
	Arsenic	4890	5000	98	90 - 110	P	04/14/2025	16:28	LB135424
	Barium	9870	10000	99	90 - 110	P	04/14/2025	16:28	LB135424
	Beryllium	248	250	99	90 - 110	P	04/14/2025	16:28	LB135424
	Cadmium	2470	2500	99	90 - 110	P	04/14/2025	16:28	LB135424
	Calcium	24400	25000	98	90 - 110	P	04/14/2025	16:28	LB135424
	Chromium	983	1000	98	90 - 110	P	04/14/2025	16:28	LB135424
	Cobalt	2480	2500	99	90 - 110	P	04/14/2025	16:28	LB135424
	Copper	1250	1250	100	90 - 110	P	04/14/2025	16:28	LB135424
	Iron	4970	5000	99	90 - 110	P	04/14/2025	16:28	LB135424
	Lead	4930	5000	99	90 - 110	P	04/14/2025	16:28	LB135424
	Magnesium	24200	25000	97	90 - 110	P	04/14/2025	16:28	LB135424
	Manganese	2460	2500	98	90 - 110	P	04/14/2025	16:28	LB135424
	Nickel	2470	2500	99	90 - 110	P	04/14/2025	16:28	LB135424
	Potassium	26100	25000	104	90 - 110	P	04/14/2025	16:28	LB135424
	Selenium	4900	5000	98	90 - 110	P	04/14/2025	16:28	LB135424
	Silver	1230	1250	99	90 - 110	P	04/14/2025	16:28	LB135424
	Sodium	26500	25000	106	90 - 110	P	04/14/2025	16:28	LB135424
	Thallium	4870	5000	97	90 - 110	P	04/14/2025	16:28	LB135424
	Vanadium	2450	2500	98	90 - 110	P	04/14/2025	16:28	LB135424
	Zinc	2470	2500	99	90 - 110	P	04/14/2025	16:28	LB135424
CCV04	Aluminum	9710	10000	97	90 - 110	P	04/14/2025	17:18	LB135424
	Antimony	4930	5000	99	90 - 110	P	04/14/2025	17:18	LB135424

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1736
 Contract: GENV01 Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736
 Initial Calibration Source: EPA
 Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4920	5000	98	90 - 110	P	04/14/2025	17:18	LB135424
	Barium	9580	10000	96	90 - 110	P	04/14/2025	17:18	LB135424
	Beryllium	248	250	99	90 - 110	P	04/14/2025	17:18	LB135424
	Cadmium	2480	2500	99	90 - 110	P	04/14/2025	17:18	LB135424
	Calcium	24200	25000	97	90 - 110	P	04/14/2025	17:18	LB135424
	Chromium	1000	1000	100	90 - 110	P	04/14/2025	17:18	LB135424
	Cobalt	2480	2500	99	90 - 110	P	04/14/2025	17:18	LB135424
	Copper	1250	1250	100	90 - 110	P	04/14/2025	17:18	LB135424
	Iron	4930	5000	99	90 - 110	P	04/14/2025	17:18	LB135424
	Lead	4940	5000	99	90 - 110	P	04/14/2025	17:18	LB135424
	Magnesium	24100	25000	96	90 - 110	P	04/14/2025	17:18	LB135424
	Manganese	2410	2500	96	90 - 110	P	04/14/2025	17:18	LB135424
	Nickel	2470	2500	99	90 - 110	P	04/14/2025	17:18	LB135424
	Potassium	26000	25000	104	90 - 110	P	04/14/2025	17:18	LB135424
	Selenium	4950	5000	99	90 - 110	P	04/14/2025	17:18	LB135424
	Silver	1240	1250	99	90 - 110	P	04/14/2025	17:18	LB135424
	Sodium	25900	25000	104	90 - 110	P	04/14/2025	17:18	LB135424
	Thallium	4960	5000	99	90 - 110	P	04/14/2025	17:18	LB135424
	Vanadium	2420	2500	97	90 - 110	P	04/14/2025	17:18	LB135424
	Zinc	2450	2500	98	90 - 110	P	04/14/2025	17:18	LB135424
CCV05	Aluminum	9700	10000	97	90 - 110	P	04/14/2025	18:16	LB135424
	Antimony	4910	5000	98	90 - 110	P	04/14/2025	18:16	LB135424
	Arsenic	4860	5000	97	90 - 110	P	04/14/2025	18:16	LB135424
	Barium	9570	10000	96	90 - 110	P	04/14/2025	18:16	LB135424
	Beryllium	256	250	102	90 - 110	P	04/14/2025	18:16	LB135424
	Cadmium	2470	2500	99	90 - 110	P	04/14/2025	18:16	LB135424
	Calcium	24300	25000	97	90 - 110	P	04/14/2025	18:16	LB135424
	Chromium	986	1000	99	90 - 110	P	04/14/2025	18:16	LB135424
	Cobalt	2470	2500	99	90 - 110	P	04/14/2025	18:16	LB135424
	Copper	1240	1250	99	90 - 110	P	04/14/2025	18:16	LB135424
	Iron	4770	5000	95	90 - 110	P	04/14/2025	18:16	LB135424
	Lead	4920	5000	98	90 - 110	P	04/14/2025	18:16	LB135424
	Magnesium	24200	25000	97	90 - 110	P	04/14/2025	18:16	LB135424
	Manganese	2430	2500	97	90 - 110	P	04/14/2025	18:16	LB135424

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1736
 Contract: GENV01 Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736
 Initial Calibration Source: EPA
 Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2460	2500	98	90 - 110	P	04/14/2025	18:16	LB135424
	Potassium	23600	25000	94	90 - 110	P	04/14/2025	18:16	LB135424
	Selenium	4910	5000	98	90 - 110	P	04/14/2025	18:16	LB135424
	Silver	1230	1250	98	90 - 110	P	04/14/2025	18:16	LB135424
	Sodium	23400	25000	94	90 - 110	P	04/14/2025	18:16	LB135424
	Thallium	4910	5000	98	90 - 110	P	04/14/2025	18:16	LB135424
	Vanadium	2440	2500	97	90 - 110	P	04/14/2025	18:16	LB135424
	Zinc	2460	2500	98	90 - 110	P	04/14/2025	18:16	LB135424
CCV06	Aluminum	9630	10000	96	90 - 110	P	04/14/2025	19:07	LB135424
	Antimony	4840	5000	97	90 - 110	P	04/14/2025	19:07	LB135424
	Arsenic	4780	5000	96	90 - 110	P	04/14/2025	19:07	LB135424
	Barium	9740	10000	97	90 - 110	P	04/14/2025	19:07	LB135424
	Beryllium	252	250	101	90 - 110	P	04/14/2025	19:07	LB135424
	Cadmium	2460	2500	98	90 - 110	P	04/14/2025	19:07	LB135424
	Calcium	24200	25000	97	90 - 110	P	04/14/2025	19:07	LB135424
	Chromium	957	1000	96	90 - 110	P	04/14/2025	19:07	LB135424
	Cobalt	2460	2500	99	90 - 110	P	04/14/2025	19:07	LB135424
	Copper	1230	1250	98	90 - 110	P	04/14/2025	19:07	LB135424
	Iron	4560	5000	91	90 - 110	P	04/14/2025	19:07	LB135424
	Lead	4870	5000	98	90 - 110	P	04/14/2025	19:07	LB135424
	Magnesium	24000	25000	96	90 - 110	P	04/14/2025	19:07	LB135424
	Manganese	2440	2500	98	90 - 110	P	04/14/2025	19:07	LB135424
	Nickel	2450	2500	98	90 - 110	P	04/14/2025	19:07	LB135424
	Potassium	24300	25000	97	90 - 110	P	04/14/2025	19:07	LB135424
	Selenium	4820	5000	96	90 - 110	P	04/14/2025	19:07	LB135424
	Silver	1190	1250	95	90 - 110	P	04/14/2025	19:07	LB135424
	Sodium	24200	25000	97	90 - 110	P	04/14/2025	19:07	LB135424
	Thallium	4870	5000	98	90 - 110	P	04/14/2025	19:07	LB135424
	Vanadium	2430	2500	97	90 - 110	P	04/14/2025	19:07	LB135424
	Zinc	2350	2500	94	90 - 110	P	04/14/2025	19:07	LB135424
CCV07	Aluminum	9540	10000	95	90 - 110	P	04/14/2025	19:57	LB135424
	Antimony	4810	5000	96	90 - 110	P	04/14/2025	19:57	LB135424
	Arsenic	4740	5000	95	90 - 110	P	04/14/2025	19:57	LB135424
	Barium	9610	10000	96	90 - 110	P	04/14/2025	19:57	LB135424

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1736
 Contract: GENV01 Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736
 Initial Calibration Source: EPA
 Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	240	250	96	90 - 110	P	04/14/2025	19:57	LB135424
	Cadmium	2430	2500	97	90 - 110	P	04/14/2025	19:57	LB135424
	Calcium	24000	25000	96	90 - 110	P	04/14/2025	19:57	LB135424
	Chromium	974	1000	97	90 - 110	P	04/14/2025	19:57	LB135424
	Cobalt	2440	2500	98	90 - 110	P	04/14/2025	19:57	LB135424
	Copper	1220	1250	98	90 - 110	P	04/14/2025	19:57	LB135424
	Iron	4830	5000	97	90 - 110	P	04/14/2025	19:57	LB135424
	Lead	4820	5000	96	90 - 110	P	04/14/2025	19:57	LB135424
	Magnesium	23700	25000	95	90 - 110	P	04/14/2025	19:57	LB135424
	Manganese	2380	2500	95	90 - 110	P	04/14/2025	19:57	LB135424
	Nickel	2420	2500	97	90 - 110	P	04/14/2025	19:57	LB135424
	Potassium	25300	25000	101	90 - 110	P	04/14/2025	19:57	LB135424
	Selenium	4770	5000	95	90 - 110	P	04/14/2025	19:57	LB135424
	Silver	1200	1250	96	90 - 110	P	04/14/2025	19:57	LB135424
	Sodium	25400	25000	102	90 - 110	P	04/14/2025	19:57	LB135424
	Thallium	4850	5000	97	90 - 110	P	04/14/2025	19:57	LB135424
	Vanadium	2400	2500	96	90 - 110	P	04/14/2025	19:57	LB135424
	Zinc	2400	2500	96	90 - 110	P	04/14/2025	19:57	LB135424
CCV08	Aluminum	9600	10000	96	90 - 110	P	04/14/2025	20:48	LB135424
	Antimony	4870	5000	97	90 - 110	P	04/14/2025	20:48	LB135424
	Arsenic	4810	5000	96	90 - 110	P	04/14/2025	20:48	LB135424
	Barium	9830	10000	98	90 - 110	P	04/14/2025	20:48	LB135424
	Beryllium	242	250	97	90 - 110	P	04/14/2025	20:48	LB135424
	Cadmium	2440	2500	98	90 - 110	P	04/14/2025	20:48	LB135424
	Calcium	24100	25000	96	90 - 110	P	04/14/2025	20:48	LB135424
	Chromium	955	1000	96	90 - 110	P	04/14/2025	20:48	LB135424
	Cobalt	2460	2500	98	90 - 110	P	04/14/2025	20:48	LB135424
	Copper	1230	1250	99	90 - 110	P	04/14/2025	20:48	LB135424
	Iron	4750	5000	95	90 - 110	P	04/14/2025	20:48	LB135424
	Lead	4850	5000	97	90 - 110	P	04/14/2025	20:48	LB135424
	Magnesium	23600	25000	94	90 - 110	P	04/14/2025	20:48	LB135424
	Manganese	2420	2500	97	90 - 110	P	04/14/2025	20:48	LB135424
	Nickel	2440	2500	98	90 - 110	P	04/14/2025	20:48	LB135424
	Potassium	23800	25000	95	90 - 110	P	04/14/2025	20:48	LB135424

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1736
Contract: GENV01 Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Selenium	4860	5000	97	90 - 110	P	04/14/2025	20:48	LB135424
	Silver	1190	1250	96	90 - 110	P	04/14/2025	20:48	LB135424
	Sodium	24000	25000	96	90 - 110	P	04/14/2025	20:48	LB135424
	Thallium	4810	5000	96	90 - 110	P	04/14/2025	20:48	LB135424
	Vanadium	2420	2500	97	90 - 110	P	04/14/2025	20:48	LB135424
	Zinc	2390	2500	96	90 - 110	P	04/14/2025	20:48	LB135424
CCV09	Aluminum	9520	10000	95	90 - 110	P	04/14/2025	21:38	LB135424
	Antimony	4820	5000	96	90 - 110	P	04/14/2025	21:38	LB135424
	Arsenic	4770	5000	95	90 - 110	P	04/14/2025	21:38	LB135424
	Barium	9610	10000	96	90 - 110	P	04/14/2025	21:38	LB135424
	Beryllium	246	250	98	90 - 110	P	04/14/2025	21:38	LB135424
	Cadmium	2430	2500	97	90 - 110	P	04/14/2025	21:38	LB135424
	Calcium	23900	25000	96	90 - 110	P	04/14/2025	21:38	LB135424
	Chromium	973	1000	97	90 - 110	P	04/14/2025	21:38	LB135424
	Cobalt	2440	2500	98	90 - 110	P	04/14/2025	21:38	LB135424
	Copper	1220	1250	98	90 - 110	P	04/14/2025	21:38	LB135424
	Iron	4830	5000	97	90 - 110	P	04/14/2025	21:38	LB135424
	Lead	4840	5000	97	90 - 110	P	04/14/2025	21:38	LB135424
	Magnesium	23600	25000	94	90 - 110	P	04/14/2025	21:38	LB135424
	Manganese	2400	2500	96	90 - 110	P	04/14/2025	21:38	LB135424
	Nickel	2430	2500	97	90 - 110	P	04/14/2025	21:38	LB135424
	Potassium	25400	25000	102	90 - 110	P	04/14/2025	21:38	LB135424
	Selenium	4800	5000	96	90 - 110	P	04/14/2025	21:38	LB135424
	Silver	1220	1250	97	90 - 110	P	04/14/2025	21:38	LB135424
	Sodium	25700	25000	103	90 - 110	P	04/14/2025	21:38	LB135424
	Thallium	4830	5000	97	90 - 110	P	04/14/2025	21:38	LB135424
	Vanadium	2400	2500	96	90 - 110	P	04/14/2025	21:38	LB135424
	Zinc	2410	2500	96	90 - 110	P	04/14/2025	21:38	LB135424
CCV10	Aluminum	9550	10000	96	90 - 110	P	04/14/2025	22:28	LB135424
	Antimony	4880	5000	98	90 - 110	P	04/14/2025	22:28	LB135424
	Arsenic	4830	5000	97	90 - 110	P	04/14/2025	22:28	LB135424
	Barium	9670	10000	97	90 - 110	P	04/14/2025	22:28	LB135424
	Beryllium	243	250	97	90 - 110	P	04/14/2025	22:28	LB135424
	Cadmium	2450	2500	98	90 - 110	P	04/14/2025	22:28	LB135424

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1736
Contract: GENV01 Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV10	Calcium	23800	25000	95	90 - 110	P	04/14/2025	22:28	LB135424
	Chromium	977	1000	98	90 - 110	P	04/14/2025	22:28	LB135424
	Cobalt	2450	2500	98	90 - 110	P	04/14/2025	22:28	LB135424
	Copper	1230	1250	99	90 - 110	P	04/14/2025	22:28	LB135424
	Iron	4880	5000	98	90 - 110	P	04/14/2025	22:28	LB135424
	Lead	4870	5000	97	90 - 110	P	04/14/2025	22:28	LB135424
	Magnesium	23600	25000	95	90 - 110	P	04/14/2025	22:28	LB135424
	Manganese	2380	2500	95	90 - 110	P	04/14/2025	22:28	LB135424
	Nickel	2440	2500	98	90 - 110	P	04/14/2025	22:28	LB135424
	Potassium	24400	25000	98	90 - 110	P	04/14/2025	22:28	LB135424
	Selenium	4880	5000	98	90 - 110	P	04/14/2025	22:28	LB135424
	Silver	1220	1250	98	90 - 110	P	04/14/2025	22:28	LB135424
	Sodium	24000	25000	96	90 - 110	P	04/14/2025	22:28	LB135424
	Thallium	4900	5000	98	90 - 110	P	04/14/2025	22:28	LB135424
	Vanadium	2400	2500	96	90 - 110	P	04/14/2025	22:28	LB135424
	Zinc	2430	2500	97	90 - 110	P	04/14/2025	22:28	LB135424
CCV11	Aluminum	9490	10000	95	90 - 110	P	04/14/2025	22:40	LB135424
	Antimony	4850	5000	97	90 - 110	P	04/14/2025	22:40	LB135424
	Arsenic	4800	5000	96	90 - 110	P	04/14/2025	22:40	LB135424
	Barium	9830	10000	98	90 - 110	P	04/14/2025	22:40	LB135424
	Beryllium	241	250	96	90 - 110	P	04/14/2025	22:40	LB135424
	Cadmium	2450	2500	98	90 - 110	P	04/14/2025	22:40	LB135424
	Calcium	24100	25000	96	90 - 110	P	04/14/2025	22:40	LB135424
	Chromium	958	1000	96	90 - 110	P	04/14/2025	22:40	LB135424
	Cobalt	2460	2500	98	90 - 110	P	04/14/2025	22:40	LB135424
	Copper	1230	1250	99	90 - 110	P	04/14/2025	22:40	LB135424
	Iron	4930	5000	99	90 - 110	P	04/14/2025	22:40	LB135424
	Lead	4850	5000	97	90 - 110	P	04/14/2025	22:40	LB135424
	Magnesium	23500	25000	94	90 - 110	P	04/14/2025	22:40	LB135424
	Manganese	2420	2500	97	90 - 110	P	04/14/2025	22:40	LB135424
	Nickel	2440	2500	98	90 - 110	P	04/14/2025	22:40	LB135424
	Potassium	25200	25000	101	90 - 110	P	04/14/2025	22:40	LB135424
	Selenium	4850	5000	97	90 - 110	P	04/14/2025	22:40	LB135424
	Silver	1210	1250	97	90 - 110	P	04/14/2025	22:40	LB135424

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1736
 Contract: GENV01 Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736
 Initial Calibration Source: EPA
 Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV11	Sodium	25700	25000	103	90 - 110	P	04/14/2025	22:40	LB135424
	Thallium	4870	5000	97	90 - 110	P	04/14/2025	22:40	LB135424
	Vanadium	2400	2500	96	90 - 110	P	04/14/2025	22:40	LB135424
	Zinc	2400	2500	96	90 - 110	P	04/14/2025	22:40	LB135424
CCV12	Aluminum	9430	10000	94	90 - 110	P	04/14/2025	23:06	LB135424
	Antimony	4830	5000	96	90 - 110	P	04/14/2025	23:06	LB135424
	Arsenic	4760	5000	95	90 - 110	P	04/14/2025	23:06	LB135424
	Barium	9900	10000	99	90 - 110	P	04/14/2025	23:06	LB135424
	Beryllium	229	250	92	90 - 110	P	04/14/2025	23:06	LB135424
	Cadmium	2430	2500	97	90 - 110	P	04/14/2025	23:06	LB135424
	Calcium	23900	25000	96	90 - 110	P	04/14/2025	23:06	LB135424
	Chromium	965	1000	96	90 - 110	P	04/14/2025	23:06	LB135424
	Cobalt	2440	2500	98	90 - 110	P	04/14/2025	23:06	LB135424
	Copper	1220	1250	98	90 - 110	P	04/14/2025	23:06	LB135424
	Iron	5060	5000	101	90 - 110	P	04/14/2025	23:06	LB135424
	Lead	4830	5000	97	90 - 110	P	04/14/2025	23:06	LB135424
	Magnesium	23200	25000	93	90 - 110	P	04/14/2025	23:06	LB135424
	Manganese	2380	2500	95	90 - 110	P	04/14/2025	23:06	LB135424
	Nickel	2420	2500	97	90 - 110	P	04/14/2025	23:06	LB135424
	Potassium	27200	25000	109	90 - 110	P	04/14/2025	23:06	LB135424
	Selenium	4800	5000	96	90 - 110	P	04/14/2025	23:06	LB135424
	Silver	1200	1250	96	90 - 110	P	04/14/2025	23:06	LB135424
	Sodium	27500	25000	110	90 - 110	P	04/14/2025	23:06	LB135424
	Thallium	4850	5000	97	90 - 110	P	04/14/2025	23:06	LB135424
	Vanadium	2380	2500	95	90 - 110	P	04/14/2025	23:06	LB135424
	Zinc	2410	2500	96	90 - 110	P	04/14/2025	23:06	LB135424

Metals

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CRDL STANDARD FOR AA & ICP

Client: G Environmental **SDG No.:** Q1736
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1736 **SAS No.:** Q1736
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.21	0.2	106	40 - 160	CV	04/08/2025	09:52	LB135337
CRI01	Aluminum	91.7	100	92	40 - 160	P	04/14/2025	14:09	LB135424
	Antimony	51.7	50.0	103	40 - 160	P	04/14/2025	14:09	LB135424
	Arsenic	22.3	20.0	112	40 - 160	P	04/14/2025	14:09	LB135424
	Barium	95.6	100	96	40 - 160	P	04/14/2025	14:09	LB135424
	Beryllium	5.76	6.0	96	40 - 160	P	04/14/2025	14:09	LB135424
	Cadmium	6.08	6.0	101	40 - 160	P	04/14/2025	14:09	LB135424
	Calcium	1970	2000	98	40 - 160	P	04/14/2025	14:09	LB135424
	Chromium	9.67	10.0	97	40 - 160	P	04/14/2025	14:09	LB135424
	Cobalt	29.3	30.0	98	40 - 160	P	04/14/2025	14:09	LB135424
	Copper	22.7	20.0	113	40 - 160	P	04/14/2025	14:09	LB135424
	Iron	102	100	102	40 - 160	P	04/14/2025	14:09	LB135424
	Lead	12.2	12.0	102	40 - 160	P	04/14/2025	14:09	LB135424
	Magnesium	2060	2000	103	40 - 160	P	04/14/2025	14:09	LB135424
	Manganese	20.4	20.0	102	40 - 160	P	04/14/2025	14:09	LB135424
	Nickel	39.4	40.0	98	40 - 160	P	04/14/2025	14:09	LB135424
	Potassium	1930	2000	97	40 - 160	P	04/14/2025	14:09	LB135424
	Selenium	19.6	20.0	98	40 - 160	P	04/14/2025	14:09	LB135424
	Silver	9.88	10.0	99	40 - 160	P	04/14/2025	14:09	LB135424
	Sodium	1840	2000	92	40 - 160	P	04/14/2025	14:09	LB135424
	Thallium	41.8	40.0	104	40 - 160	P	04/14/2025	14:09	LB135424
	Vanadium	40.7	40.0	102	40 - 160	P	04/14/2025	14:09	LB135424
	Zinc	41.0	40.0	102	40 - 160	P	04/14/2025	14:09	LB135424

Metals
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INTERFERENCE CHECK SAMPLE

Client: <u>G Environmental</u>	SDG No.: <u>Q1736</u>
Contract: <u>GENV01</u>	Lab Code: <u>CHEM</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>
Case No.: <u>Q1736</u>	SAS No.: <u>Q1736</u>

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	236000	255000	92	216000	294000	04/14/2025	14:14	LB135424
	Antimony	1.38			-50	50	04/14/2025	14:14	LB135424
	Arsenic	10.8			-20	20	04/14/2025	14:14	LB135424
	Barium	4.69	6.0	78	-94	106	04/14/2025	14:14	LB135424
	Beryllium	1.32			-6	6	04/14/2025	14:14	LB135424
	Cadmium	-1.94	1.0	194	-5	7	04/14/2025	14:14	LB135424
	Calcium	226000	245000	92	208000	282000	04/14/2025	14:14	LB135424
	Chromium	55.2	52.0	106	42	62	04/14/2025	14:14	LB135424
	Cobalt	1.77			-30	30	04/14/2025	14:14	LB135424
	Copper	9.26	2.0	463	-18	22	04/14/2025	14:14	LB135424
	Iron	99000	101000	98	85600	116500	04/14/2025	14:14	LB135424
	Lead	5.03			-12	12	04/14/2025	14:14	LB135424
	Magnesium	242000	255000	95	216000	294000	04/14/2025	14:14	LB135424
	Manganese	-0.13	7.0	2	-13	27	04/14/2025	14:14	LB135424
	Nickel	1.20	2.0	60	-38	42	04/14/2025	14:14	LB135424
	Potassium	11.8			0	0	04/14/2025	14:14	LB135424
	Selenium	-0.72			-20	20	04/14/2025	14:14	LB135424
	Silver	-3.74			-10	10	04/14/2025	14:14	LB135424
	Sodium	81.4			0	0	04/14/2025	14:14	LB135424
	Thallium	5.49			-40	40	04/14/2025	14:14	LB135424
	Vanadium	3.78			-40	40	04/14/2025	14:14	LB135424
	Zinc	4.10			-40	40	04/14/2025	14:14	LB135424
ICSAB01	Aluminum	236000	247000	96	209000	285000	04/14/2025	14:18	LB135424
	Antimony	646	618	104	525	711	04/14/2025	14:18	LB135424
	Arsenic	114	104	110	88.4	120	04/14/2025	14:18	LB135424
	Barium	479	537	89	437	637	04/14/2025	14:18	LB135424
	Beryllium	493	495	100	420	570	04/14/2025	14:18	LB135424
	Cadmium	1040	972	107	826	1120	04/14/2025	14:18	LB135424
	Calcium	226000	235000	96	199000	271000	04/14/2025	14:18	LB135424
	Chromium	553	542	102	460	624	04/14/2025	14:18	LB135424
	Cobalt	507	476	106	404	548	04/14/2025	14:18	LB135424
	Copper	506	511	99	434	588	04/14/2025	14:18	LB135424
	Iron	95200	99300	96	84400	114500	04/14/2025	14:18	LB135424
	Lead	53.8	49.0	110	37	61	04/14/2025	14:18	LB135424
	Magnesium	243000	248000	98	210000	286000	04/14/2025	14:18	LB135424
	Manganese	471	507	93	430	584	04/14/2025	14:18	LB135424
	Nickel	1000	954	105	810	1100	04/14/2025	14:18	LB135424
	Potassium	-12.3			0	0	04/14/2025	14:18	LB135424
	Selenium	47.1	46.0	102	26	66	04/14/2025	14:18	LB135424
	Silver	179	201	89	170	232	04/14/2025	14:18	LB135424
	Sodium	66.6			0	0	04/14/2025	14:18	LB135424
	Thallium	103	108	95	68	148	04/14/2025	14:18	LB135424

Metals
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INTERFERENCE CHECK SAMPLE

Client: <u>G Environmental</u>	SDG No.: <u>Q1736</u>
Contract: <u>GENV01</u> Lab Code: <u>CHEM</u>	Case No.: <u>Q1736</u> SAS No.: <u>Q1736</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	473	491	96	417	565	04/14/2025	14:18	LB135424
	Zinc	1040	952	109	809	1095	04/14/2025	14:18	LB135424



METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client:	G Environmental	level:	low	sdg no.:	Q1736		
contract:	GENV01	lab code:	CHEM	case no.:	Q1736	sas no.:	Q1736
matrix:	Solid	sample id:	Q1738-01	client id:	OK-02-040425MS		
Percent Solids for Sample:	86.1	Spiked ID:	Q1738-01MS	Percent Solids for Spike Sample:	86.1		

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	6760		7390		110	-572		P
Antimony	mg/Kg	79 - 114	34.4		2.81	U	42.6	81		P
Arsenic	mg/Kg	82 - 111	36.0		2.02		42.6	80	N	P
Barium	mg/Kg	83 - 113	28.2		20.7		10.7	70	N	P
Beryllium	mg/Kg	83 - 113	8.26		0.42		10.7	73	N	P
Cadmium	mg/Kg	82 - 113	10.5		0.41		10.7	94		P
Calcium	mg/Kg	81 - 116	4380		5530		53.3	-2170		P
Chromium	mg/Kg	85 - 113	29.3		13.6		21.3	74	N	P
Cobalt	mg/Kg	85 - 112	19.7		11.0		10.7	81	N	P
Copper	mg/Kg	81 - 117	40.5		31.9		16.0	54	N	P
Iron	mg/Kg	81 - 118	15100		15400		160	-195		P
Lead	mg/Kg	81 - 112	57.9		9.05		53.3	92		P
Magnesium	mg/Kg	78 - 115	3640		4120		110	-437		P
Manganese	mg/Kg	84 - 114	188		190		10.7	-18		P
Nickel	mg/Kg	83 - 113	38.3		15.1		26.6	87		P
Potassium	mg/Kg	81 - 116	1260		772		530	93		P
Selenium	mg/Kg	78 - 111	82.8		1.12	U	110	75	N	P
Silver	mg/Kg	82 - 112	2.65		0.56	U	4.0	66	N	P
Sodium	mg/Kg	83 - 118	733		642		160	57		P
Thallium	mg/Kg	83 - 111	95.7		2.24	U	110	87		P
Vanadium	mg/Kg	82 - 114	44.8		35.8		16.0	56	N	P
Zinc	mg/Kg	82 - 113	33.5		27.5		10.7	57	N	P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>G Environmental</u>	level:	<u>low</u>	sdg no.:	<u>Q1736</u>		
contract:	<u>GENV01</u>	lab code:	<u>CHEM</u>	case no.:	<u>Q1736</u>	sas no.:	<u>Q1736</u>
matrix:	<u>Solid</u>	sample id:	<u>Q1738-01</u>	client id:	<u>OK-02-040425MSD</u>		
Percent Solids for Sample:	86.1	Spiked ID:	<u>Q1738-01MSD</u>	Percent Solids for Spike Sample:	86.1		

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	6640		7390		100	-758		P
Antimony	mg/Kg	79 - 114	33.1		2.81	U	41.1	80		P
Arsenic	mg/Kg	82 - 111	35.2		2.02		41.1	81	N	P
Barium	mg/Kg	83 - 113	27.5		20.7		10.3	66	N	P
Beryllium	mg/Kg	83 - 113	8.54		0.42		10.3	79	N	P
Cadmium	mg/Kg	82 - 113	10.4		0.41		10.3	97		P
Calcium	mg/Kg	81 - 116	3970		5530		51.4	-3041		P
Chromium	mg/Kg	85 - 113	28.2		13.6		20.6	71	N	P
Cobalt	mg/Kg	85 - 112	19.3		11.0		10.3	80	N	P
Copper	mg/Kg	81 - 117	40.0		31.9		15.4	53	N	P
Iron	mg/Kg	81 - 118	13900		15400		150	-1063		P
Lead	mg/Kg	81 - 112	56.6		9.05		51.4	92		P
Magnesium	mg/Kg	78 - 115	3470		4120		100	-651		P
Manganese	mg/Kg	84 - 114	185		190		10.3	-44		P
Nickel	mg/Kg	83 - 113	37.4		15.1		25.7	87		P
Potassium	mg/Kg	81 - 116	1170		772		510	78	N	P
Selenium	mg/Kg	78 - 111	81.0		1.12	U	100	81		P
Silver	mg/Kg	82 - 112	2.39		0.56	U	3.9	61	N	P
Sodium	mg/Kg	83 - 118	661		642		150	13		P
Thallium	mg/Kg	83 - 111	93.2		2.24	U	100	93		P
Vanadium	mg/Kg	82 - 114	43.5		35.8		15.4	50	N	P
Zinc	mg/Kg	82 - 113	32.5		27.5		10.3	48	N	P

metals
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MATRIX SPIKE SUMMARY

client: <u>G Environmental</u>	level: <u>low</u>	sdg no.: <u>Q1736</u>
contract: <u>GENV01</u>	lab code: <u>CHEM</u>	case no.: <u>Q1736</u> sas no.: <u>Q1736</u>
matrix: <u>Solid</u>	sample id: <u>Q1743-01</u>	client id: <u>TP-16MS</u>
Percent Solids for Sample: <u>94.6</u>	Spiked ID: <u>Q1743-01MS</u>	Percent Solids for Spike Sample: <u>94.6</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.25		0.027		0.27	84		CV

metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>G Environmental</u>	level: <u>low</u>	sdg no.: <u>Q1736</u>
contract: <u>GENV01</u>	lab code: <u>CHEM</u>	case no.: <u>Q1736</u> sas no.: <u>Q1736</u>
matrix: <u>Solid</u>	sample id: <u>Q1743-01</u>	client id: <u>TP-16MSD</u>
Percent Solids for Sample: <u>94.6</u>	Spiked ID: <u>Q1743-01MSD</u>	Percent Solids for Spike Sample: <u>94.6</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.26		0.027		0.26	90		CV

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Metals
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POST DIGEST SPIKE SUMMARY

Client: G Environmental **SDG No.:** Q1736

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1736 **SAS No.:** Q1736

Matrix: Solid **Level:** LOW **Client ID:** OK-02-040425A

Sample ID: Q1738-01 **Spiked ID:** Q1738-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	mg/Kg	82 - 111	37.8		2.02		44.9	80		P
Barium	mg/Kg	83 - 113	30.5		20.7		11.2	87		P
Beryllium	mg/Kg	83 - 113	8.80		0.42		11.2	75		P
Chromium	mg/Kg	85 - 113	30.4		13.6		22.4	75		P
Cobalt	mg/Kg	85 - 112	21.0		11.0		11.2	89		P
Copper	mg/Kg	81 - 117	43.2		31.9		16.8	67		P
Potassium	mg/Kg	81 - 116	1330		772		560	99		P
Selenium	mg/Kg	78 - 111	86.7		1.12	U	110	79		P
Silver	mg/Kg	82 - 112	2.71		0.56	U	4.20	64		P
Vanadium	mg/Kg	82 - 114	47.8		35.8		16.8	71		P
Zinc	mg/Kg	82 - 113	35.1		27.5		11.2	68		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1736
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1736 **SAS No.:** Q1736
Matrix: Solid **Sample ID:** Q1738-01 **Client ID:** OK-02-040425DUP
Percent Solids for Sample: 86.1 **Duplicate ID** Q1738-01DUP **Percent Solids for Spike Sample:** 86.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	7390		7040		5		P
Antimony	mg/Kg	20	2.81	U	2.81	U			P
Arsenic	mg/Kg	20	2.02		2.12		5		P
Barium	mg/Kg	20	20.7		22.8		10		P
Beryllium	mg/Kg	20	0.42		0.39		7		P
Cadmium	mg/Kg	20	0.41		0.044	J	161	*	P
Calcium	mg/Kg	20	5530		3660		41	*	P
Chromium	mg/Kg	20	13.6		13.9		2		P
Cobalt	mg/Kg	20	11.0		9.80		12		P
Copper	mg/Kg	20	31.9		29.3		8		P
Iron	mg/Kg	20	15400		16300		6		P
Lead	mg/Kg	20	9.05		9.28		3		P
Magnesium	mg/Kg	20	4120		3500		16		P
Manganese	mg/Kg	20	190		200		5		P
Nickel	mg/Kg	20	15.1		13.9		8		P
Potassium	mg/Kg	20	772		957		21	*	P
Selenium	mg/Kg	20	1.12	U	1.12	U			P
Silver	mg/Kg	20	0.56	U	0.56	U			P
Sodium	mg/Kg	20	642		629		2		P
Thallium	mg/Kg	20	2.24	U	2.24	U			P
Vanadium	mg/Kg	20	35.8		34.7		3		P
Zinc	mg/Kg	20	27.5		26.1		5		P

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1736
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1736 **SAS No.:** Q1736
Matrix: Solid **Sample ID:** Q1738-01MS **Client ID:** OK-02-040425MSD
Percent Solids for Sample: 86.1 **Duplicate ID** Q1738-01MSD **Percent Solids for Spike Sample:** 86.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	6760		6640		2		P
Antimony	mg/Kg	20	34.4		33.1		4		P
Arsenic	mg/Kg	20	36.0		35.2		2		P
Barium	mg/Kg	20	28.2		27.5		3		P
Beryllium	mg/Kg	20	8.26		8.54		3		P
Cadmium	mg/Kg	20	10.5		10.4		0		P
Calcium	mg/Kg	20	4380		3970		10		P
Chromium	mg/Kg	20	29.3		28.2		4		P
Cobalt	mg/Kg	20	19.7		19.3		2		P
Copper	mg/Kg	20	40.5		40.0		1		P
Iron	mg/Kg	20	15100		13900		8		P
Lead	mg/Kg	20	57.9		56.6		2		P
Magnesium	mg/Kg	20	3640		3470		5		P
Manganese	mg/Kg	20	188		185		2		P
Nickel	mg/Kg	20	38.3		37.4		2		P
Potassium	mg/Kg	20	1260		1170		7		P
Selenium	mg/Kg	20	82.8		81.0		2		P
Silver	mg/Kg	20	2.65		2.39		10		P
Sodium	mg/Kg	20	733		661		10		P
Thallium	mg/Kg	20	95.7		93.2		3		P
Vanadium	mg/Kg	20	44.8		43.5		3		P
Zinc	mg/Kg	20	33.5		32.5		3		P

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>G Environmental</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q1736</u>
Contract:	<u>GENV01</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1736</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q1743-01</u>	Client ID:	<u>TP-16DUP</u>
Percent Solids for Sample:	94.6	Duplicate ID	Q1743-01DUP	Percent Solids for Spike Sample:	94.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.027		0.028		4		CV

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>G Environmental</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q1736</u>
Contract:	<u>GENV01</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1736</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q1743-01MS</u>	Client ID:	<u>TP-16MSD</u>
Percent Solids for Sample:	94.6	Duplicate ID	Q1743-01MSD	Percent Solids for Spike Sample:	94.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.25		0.26		3		CV

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q1736
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1736 **SAS No.:** Q1736

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167482BS							
Aluminum	mg/Kg	92.6	79.7		86	74 - 119	P
Antimony	mg/Kg	37.0	34.8		94	79 - 114	P
Arsenic	mg/Kg	37.0	34.7		94	82 - 111	P
Barium	mg/Kg	9.3	8.17		88	83 - 113	P
Beryllium	mg/Kg	9.3	7.92		85	83 - 113	P
Cadmium	mg/Kg	9.3	8.67		93	82 - 113	P
Calcium	mg/Kg	46.3	41.7	J	90	81 - 116	P
Chromium	mg/Kg	18.5	16.9		91	85 - 113	P
Cobalt	mg/Kg	9.3	8.37		90	85 - 112	P
Copper	mg/Kg	13.9	13.2		95	81 - 117	P
Iron	mg/Kg	140	131		94	81 - 118	P
Lead	mg/Kg	46.3	42.7		92	81 - 112	P
Magnesium	mg/Kg	92.6	79.4	J	86	78 - 115	P
Manganese	mg/Kg	9.3	8.29		89	84 - 114	P
Nickel	mg/Kg	23.1	21.0		91	83 - 113	P
Potassium	mg/Kg	460	416		90	81 - 116	P
Selenium	mg/Kg	92.6	87.1		94	78 - 111	P
Silver	mg/Kg	3.5	3.12		89	82 - 112	P
Sodium	mg/Kg	140	121		86	83 - 118	P
Thallium	mg/Kg	92.6	88.3		95	83 - 111	P
Vanadium	mg/Kg	13.9	12.3		88	82 - 114	P
Zinc	mg/Kg	9.3	8.46		91	82 - 113	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q1736
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1736 **SAS No.:** Q1736

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167516BS Mercury	mg/Kg	0.25	0.21		85	80 - 124	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

OK-02-040425L

Lab Name: Chemtech Consulting Group

Contract: GENV01

Lab Code: CHEM Lb No.: lb135424 Lab Sample ID : Q1738-01L SDG No.: Q1736

Matrix (soil/water): Solid Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ-ence	Q	M
Aluminum	7390		7920		7		P
Antimony	2.81	U	14.0	U			P
Arsenic	2.02		2.26	J	12		P
Barium	20.7		23.5	J	13		P
Beryllium	0.42		0.51	J	21		P
Cadmium	0.41		1.68	U	100.0		P
Calcium	5530		6300		14		P
Chromium	13.6		15.9		16		P
Cobalt	11.0		10.5		4		P
Copper	31.9		37.1		16		P
Iron	15400		17900		16		P
Lead	9.05		9.30		3		P
Magnesium	4120		4610		12		P
Manganese	190		222		17		P
Nickel	15.1		14.7		2		P
Potassium	772		832		8		P
Selenium	1.12	U	5.61	U			P
Silver	0.56	U	2.81	U			P
Sodium	642		645		0		P
Thallium	2.24	U	11.2	U			P
Vanadium	35.8		41.2		15		P
Zinc	27.5		32.0		16		P

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

TP-16L

Lab Name: Chemtech Consulting Group

Contract: GENV01

Lab Code: CHEM **Lb No.:** lb135337

Lab Sample ID : Q1743-01L **SDG No.:** Q1736

Matrix (soil/water): Solid

Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.027	0.053 J	93		CV

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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1736 **Sas no.:** Q1736 **Sdg no.:** Q1736

Instrument id number: **Method:** **Run number:** LB135337

Start date: 04/08/2025 **End date:** 04/08/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0928	HG
S0.2	S0.2	1	0930	HG
S2.5	S2.5	1	0933	HG
S5	S5	1	0935	HG
S7.5	S7.5	1	0937	HG
S10	S10	1	0940	HG
ICV80	ICV80	1	0943	HG
ICB80	ICB80	1	0945	HG
CCV42	CCV42	1	0947	HG
CCB42	CCB42	1	0949	HG
CRA	CRA	1	0952	HG
PB167516BL	PB167516BL	1	0959	HG
PB167516BS	PB167516BS	1	1001	HG
CCV43	CCV43	1	1015	HG
CCB43	CCB43	1	1017	HG
Q1736-01	GST1	1	1038	HG
Q1736-02	GST2	1	1040	HG
CCV44	CCV44	1	1042	HG
CCB44	CCB44	1	1044	HG
Q1743-01DUP	TP-16DUP	1	1056	HG
Q1743-01MS	TP-16MS	1	1058	HG
Q1743-01MSD	TP-16MSD	1	1100	HG
Q1743-01L	TP-16L	5	1109	HG
CCV45	CCV45	1	1114	HG
CCB45	CCB45	1	1116	HG

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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1736 **Sas no.:** Q1736 **Sdg no.:** Q1736

Instrument id number: **Method:** **Run number:** LB135424

Start date: 04/14/2025 **End date:** 04/14/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1313	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1317	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1322	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1326	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1330	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1334	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1356	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1401	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1405	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1409	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1414	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1418	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1431	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1435	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1522	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1526	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1628	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1632	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1718	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1722	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167482BL	PB167482BL	1	1800	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167482BS	PB167482BS	1	1812	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1816	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1820	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1907	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1911	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1736-01	GST1	1	1953	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1957	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	2001	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1736-02	GST2	1	2005	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1738-01DUP	OK-02-040425DUP	1	2014	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1738-01L	OK-02-040425L	5	2018	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1738-01MS	OK-02-040425MS	1	2022	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1738-01MSD	OK-02-040425MSD	1	2026	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1738-01A	OK-02-040425A	1	2030	Ag,As,Ba,Be,Co,Cr,Cu,K,Se,V,Zn
CCV08	CCV08	1	2048	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	2052	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV09	CCV09	1	2138	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	2142	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV10	CCV10	1	2228	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB10	CCB10	1	2232	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1736 **Sas no.:** Q1736 **Sdg no.:** Q1736

Instrument id number: **Method:** **Run number:** LB135424

Start date: 04/14/2025 **End date:** 04/14/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCV11	CCV11	1	2240	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB11	CCB11	1	2244	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV12	CCV12	1	2306	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB12	CCB12	1	2311	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q1736

Contract: GENV01

Lab Code: CHEM

Case No.: Q1736

SAS No.: Q1736

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q1736

Contract: GENV01

Lab Code: CHEM

Case No.: Q1736

SAS No.: Q1736

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q1736

Contract: GENV01

Lab Code: CHEM

Case No.: Q1736

SAS No.: Q1736

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: G Environmental

SDG No.: Q1736

Contract: GENV01

Lab Code: CHEM

Case No.: Q1736

SAS No.: Q1736

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q1736

Contract: GENV01

Lab Code: CHEM

Case No.: Q1736

SAS No.: Q1736

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

LAB CHRONICLE

OrderID:	Q1736	OrderDate:	4/4/2025 1:39:00 PM
Client:	G Environmental	Project:	Stockton
Contact:	Gary Landis	Location:	L21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1736-01	GST1	SOIL	Mercury	7471B	04/04/25	04/08/25	04/08/25	04/04/25
			Metals ICP-TAL	6010D		04/07/25	04/14/25	
Q1736-02	GST2	SOIL	Mercury	7471B	04/04/25	04/08/25	04/08/25	04/04/25
			Metals ICP-TAL	6010D		04/07/25	04/14/25	



METAL PREPARATION & ANALYICAL SUMMARY

Metals
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SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q1736
Contract: GENV01 **Lab Code:** CHEM **Method:**
Case No.: Q1736 **SAS No.:** Q1736

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB167482							
PB167482BL	PB167482BL	MB	SOLID	04/07/2025	2.20	100.0	100.00
PB167482BS	PB167482BS	LCS	SOLID	04/07/2025	2.16	100.0	100.00
Q1736-01	GST1	SAM	SOLID	04/07/2025	2.23	100.0	78.60
Q1736-02	GST2	SAM	SOLID	04/07/2025	2.31	100.0	80.50
Q1738-01DUP	OK-02-040425DUP	DUP	SOLID	04/07/2025	2.07	100.0	86.10
Q1738-01MS	OK-02-040425MS	MS	SOLID	04/07/2025	2.18	100.0	86.10
Q1738-01MSD	OK-02-040425MSD	MSD	SOLID	04/07/2025	2.26	100.0	86.10

Metals
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SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q1736
Contract: GENV01 **Lab Code:** CHEM **Method:**
Case No.: Q1736 **SAS No.:** Q1736

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB167516							
PB167516BL	PB167516BL	MB	SOLID	04/08/2025	0.52	35.0	100.00
PB167516BS	PB167516BS	LCS	SOLID	04/08/2025	0.57	35.0	100.00
Q1736-01	GST1	SAM	SOLID	04/08/2025	0.58	35.0	78.60
Q1736-02	GST2	SAM	SOLID	04/08/2025	0.58	35.0	80.50
Q1743-01DUP	TP-16DUP	DUP	SOLID	04/08/2025	0.53	35.0	94.60
Q1743-01MS	TP-16MS	MS	SOLID	04/08/2025	0.55	35.0	94.60
Q1743-01MSD	TP-16MSD	MSD	SOLID	04/08/2025	0.58	35.0	94.60

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB135337

Review By	mohan	Review On	4/16/2025 12:00:31 PM
Supervise By	Sagar	Supervise On	4/16/2025 12:02:38 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85158,MP85159,MP85160,MP85161,MP85162,MP85163		
ICV Standard	MP85164		
CCV Standard	MP85166		
ICSA Standard			
CRI Standard	MP85168		
LCS Standard			
Chk Standard	MP85165,MP85167,MP85169,MP85171		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	04/08/25 09:28		mohan	OK
2	S0.2	S0.2	CAL2	04/08/25 09:30		mohan	OK
3	S2.5	S2.5	CAL3	04/08/25 09:33		mohan	OK
4	S5	S5	CAL4	04/08/25 09:35		mohan	OK
5	S7.5	S7.5	CAL5	04/08/25 09:37		mohan	OK
6	S10	S10	CAL6	04/08/25 09:40		mohan	OK
7	ICV80	ICV80	ICV	04/08/25 09:43		mohan	OK
8	ICB80	ICB80	ICB	04/08/25 09:45		mohan	OK
9	CCV42	CCV42	CCV	04/08/25 09:47		mohan	OK
10	CCB42	CCB42	CCB	04/08/25 09:49		mohan	OK
11	CRA	CRA	CRDL	04/08/25 09:52		mohan	OK
12	HighStd	HighStd	HIGH STD	04/08/25 09:54		mohan	OK
13	ChkStd	ChkStd	SAM	04/08/25 09:56		mohan	OK
14	PB167516BL	PB167516BL	MB	04/08/25 09:59		mohan	OK
15	PB167516BS	PB167516BS	LCS	04/08/25 10:01		mohan	OK
16	Q1730-01	OU4-VSL-15-040325	SAM	04/08/25 10:03		mohan	OK
17	Q1730-03	OU4-VSL-16-040325	SAM	04/08/25 10:06		mohan	OK
18	Q1730-05	OU4-VSL-17-040325	SAM	04/08/25 10:08		mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB135337

Review By	mohan	Review On	4/16/2025 12:00:31 PM
Supervise By	Sagar	Supervise On	4/16/2025 12:02:38 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85158,MP85159,MP85160,MP85161,MP85162,MP85163		
ICV Standard	MP85164		
CCV Standard	MP85166		
ICSA Standard			
CRI Standard	MP85168		
LCS Standard			
Chk Standard	MP85165,MP85167,MP85169,MP85171		

19	Q1730-07	OU4-PCS-TC-21-0403	SAM	04/08/25 10:10		mohan	OK
20	Q1730-09	OU4-PCS-TC-22-0403	SAM	04/08/25 10:13		mohan	OK
21	CCV43	CCV43	CCV	04/08/25 10:15		mohan	OK
22	CCB43	CCB43	CCB	04/08/25 10:17		mohan	OK
23	Q1730-11	OU4-PCS-TC-23-0403	SAM	04/08/25 10:19		mohan	OK
24	Q1730-13	OU4-PCS-TC-24-0403	SAM	04/08/25 10:22		mohan	OK
25	Q1730-15	OU4-PCS-TC-25-0403	SAM	04/08/25 10:24		mohan	OK
26	Q1730-17	OU4-PCS-TC-26-0403	SAM	04/08/25 10:26		mohan	OK
27	Q1730-19	OU4-CF-15-040325	SAM	04/08/25 10:28		mohan	OK
28	Q1732-01	TT-8	SAM	04/08/25 10:31		mohan	OK
29	Q1733-01	ETGI-328	SAM	04/08/25 10:33		mohan	OK
30	Q1735-01	50660-50661-50662-5	SAM	04/08/25 10:35		mohan	OK
31	Q1736-01	GST1	SAM	04/08/25 10:38		mohan	OK
32	Q1736-02	GST2	SAM	04/08/25 10:40		mohan	OK
33	CCV44	CCV44	CCV	04/08/25 10:42		mohan	OK
34	CCB44	CCB44	CCB	04/08/25 10:44		mohan	OK
35	Q1737-01	RT3069	SAM	04/08/25 10:47		mohan	OK
36	Q1738-01	OK-02-040425	SAM	04/08/25 10:49		mohan	OK
37	Q1740-01	TP-20	SAM	04/08/25 10:51		mohan	OK
38	Q1743-01	TP-16	SAM	04/08/25 10:54		mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB135337

Review By	mohan	Review On	4/16/2025 12:00:31 PM
Supervise By	Sagar	Supervise On	4/16/2025 12:02:38 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85158,MP85159,MP85160,MP85161,MP85162,MP85163		
ICV Standard	MP85164		
CCV Standard	MP85166		
ICSA Standard			
CRI Standard	MP85168		
LCS Standard			
Chk Standard	MP85165,MP85167,MP85169,MP85171		

39	Q1743-01DUP	TP-16DUP	DUP	04/08/25 10:56		mohan	OK
40	Q1743-01MS	TP-16MS	MS	04/08/25 10:58		mohan	OK
41	Q1743-01MSD	TP-16MSD	MSD	04/08/25 11:00		mohan	OK
42	Q1743-01L	TP-16L	SD	04/08/25 11:09		mohan	OK
43	Q1743-01A	TP-16A	PS	04/08/25 11:11		mohan	OK
44	CCV45	CCV45	CCV	04/08/25 11:14		mohan	OK
45	CCB45	CCB45	CCB	04/08/25 11:16		mohan	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135424

Review By	jaswal	Review On	4/15/2025 1:01:00 PM
Supervise By	mohan	Supervise On	4/15/2025 1:12:12 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85016,MP85017,MP85018,MP85019,MP85020,MP85022		
ICV Standard	MP85023		
CCV Standard	MP85026		
ICSA Standard	MP85024,MP85025		
CRI Standard	MP85022		
LCS Standard			
Chk Standard	MP85030,MP85031		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	04/14/25 13:13		Kareem	OK
2	S1	S1	CAL2	04/14/25 13:17		Kareem	OK
3	S2	S2	CAL3	04/14/25 13:22		Kareem	OK
4	S3	S3	CAL4	04/14/25 13:26		Kareem	OK
5	S4	S4	CAL5	04/14/25 13:30		Kareem	OK
6	S5	S5	CAL6	04/14/25 13:34		Kareem	OK
7	ICV01	ICV01	ICV	04/14/25 13:56		Kareem	OK
8	LLICV01	LLICV01	LLICV	04/14/25 14:01		Kareem	OK
9	ICB01	ICB01	ICB	04/14/25 14:05		Kareem	OK
10	CRI01	CRI01	CRDL	04/14/25 14:09		Kareem	OK
11	ICSA01	ICSA01	ICSA	04/14/25 14:14		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	04/14/25 14:18		Kareem	OK
13	ICSADL	ICSADL	ICSA	04/14/25 14:22		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	04/14/25 14:27		Kareem	OK
15	CCV01	CCV01	CCV	04/14/25 14:31		Kareem	OK
16	CCB01	CCB01	CCB	04/14/25 14:35		Kareem	OK
17	Q1743-04	TP-16	SAM	04/14/25 14:39		Kareem	OK
18	Q1743-04DUP	TP-16DUP	DUP	04/14/25 14:44		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135424

Review By	jaswal	Review On	4/15/2025 1:01:00 PM
Supervise By	mohan	Supervise On	4/15/2025 1:12:12 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85016,MP85017,MP85018,MP85019,MP85020,MP85022		
ICV Standard	MP85023		
CCV Standard	MP85026		
ICSA Standard	MP85024,MP85025		
CRI Standard	MP85022		
LCS Standard			
Chk Standard	MP85030,MP85031		

19	Q1743-04L	TP-16L	SD	04/14/25 14:48		Kareem	OK
20	Q1743-04MS	TP-16MS	MS	04/14/25 14:52		Kareem	OK
21	Q1743-04MSD	TP-16MSD	MSD	04/14/25 14:57		Kareem	OK
22	Q1743-04A	TP-16A	PS	04/14/25 15:01		Kareem	OK
23	Q1774-02	TT-073-IDWGW-2025	SAM	04/14/25 15:05		Kareem	OK
24	Q1774-03	TT-074-IDWGW-2025	SAM	04/14/25 15:09		Kareem	OK
25	Q1774-04	TT-075-IDWGW-2025	SAM	04/14/25 15:14		Kareem	OK
26	Q1774-02DUP	TT-073-IDWGW-2025	DUP	04/14/25 15:18		Kareem	OK
27	CCV02	CCV02	CCV	04/14/25 15:22		Kareem	OK
28	CCB02	CCB02	CCB	04/14/25 15:26		Kareem	OK
29	Q1774-02L	TT-073-IDWGW-2025	SD	04/14/25 15:31		Kareem	OK
30	Q1774-02MS	TT-073-IDWGW-2025	MS	04/14/25 15:35		Kareem	OK
31	Q1774-02MSD	TT-073-IDWGW-2025	MSD	04/14/25 15:39		Kareem	OK
32	Q1774-02A	TT-073-IDWGW-2025	PS	04/14/25 15:43		Kareem	OK
33	Q1705-04	ETGI-327	SAM	04/14/25 15:47		Kareem	OK
34	Q1705-05	ETGI-275	SAM	04/14/25 15:52		Kareem	OK
35	PB167533BL	PB167533BL	MB	04/14/25 15:56		Kareem	OK
36	PB167533BS	PB167533BS	LCS	04/14/25 16:01		Kareem	OK
37	Q1753-04	WC-1	SAM	04/14/25 16:05		Kareem	OK
38	Q1753-08	WC-2	SAM	04/14/25 16:09		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135424

Review By	jaswal	Review On	4/15/2025 1:01:00 PM
Supervise By	mohan	Supervise On	4/15/2025 1:12:12 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85016,MP85017,MP85018,MP85019,MP85020,MP85022		
ICV Standard	MP85023		
CCV Standard	MP85026		
ICSA Standard	MP85024,MP85025		
CRI Standard	MP85022		
LCS Standard			
Chk Standard	MP85030,MP85031		

39	CCV03	CCV03	CCV	04/14/25 16:28		Kareem	OK
40	CCB03	CCB03	CCB	04/14/25 16:32		Kareem	OK
41	Q1753-01	WC-1	SAM	04/14/25 16:37		Kareem	OK
42	Q1753-05	WC-2	SAM	04/14/25 16:41		Kareem	OK
43	Q1768-01	CRUSHED STONE	SAM	04/14/25 16:45	Zn high	Kareem	Dilution
44	Q1756-01	TP-9	SAM	04/14/25 16:49		Kareem	OK
45	Q1760-01	TP-17	SAM	04/14/25 16:53		Kareem	OK
46	Q1760-05	TP-15	SAM	04/14/25 16:57		Kareem	OK
47	Q1779-01	TP-22	SAM	04/14/25 17:01		Kareem	OK
48	Q1779-05	TP-23	SAM	04/14/25 17:06		Kareem	OK
49	Q1779-05DUP	TP-23DUP	DUP	04/14/25 17:10		Kareem	OK
50	Q1779-05L	TP-23L	SD	04/14/25 17:14		Kareem	OK
51	CCV04	CCV04	CCV	04/14/25 17:18		Kareem	OK
52	CCB04	CCB04	CCB	04/14/25 17:22		Kareem	OK
53	Q1779-05MS	TP-23MS	MS	04/14/25 17:27		Kareem	OK
54	Q1779-05MSD	TP-23MSD	MSD	04/14/25 17:31		Kareem	OK
55	Q1779-05A	TP-23A	PS	04/14/25 17:35		Kareem	OK
56	Q1781-01	WC-13	SAM	04/14/25 17:39		Kareem	OK
57	Q1781-05	WC-12	SAM	04/14/25 17:43		Kareem	OK
58	Q1781-09	WC-11	SAM	04/14/25 17:48		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135424

Review By	jaswal	Review On	4/15/2025 1:01:00 PM
Supervise By	mohan	Supervise On	4/15/2025 1:12:12 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85016,MP85017,MP85018,MP85019,MP85020,MP85022		
ICV Standard	MP85023		
CCV Standard	MP85026		
ICSA Standard	MP85024,MP85025		
CRI Standard	MP85022		
LCS Standard			
Chk Standard	MP85030,MP85031		

59	PB167567BL	PB167567BL	MB	04/14/25 17:52		Kareem	OK
60	PB167567BS	PB167567BS	LCS	04/14/25 17:56		Kareem	OK
61	PB167482BL	PB167482BL	MB	04/14/25 18:00		Kareem	OK
62	PB167482BS	PB167482BS	LCS	04/14/25 18:12		Kareem	OK
63	CCV05	CCV05	CCV	04/14/25 18:16		Kareem	OK
64	CCB05	CCB05	CCB	04/14/25 18:20		Kareem	OK
65	PB167530BL	PB167530BL	MB	04/14/25 18:25		Kareem	OK
66	PB167530BS	PB167530BS	LCS	04/14/25 18:29		Kareem	OK
67	PB167548BL	PB167548BL	MB	04/14/25 18:33		Kareem	OK
68	PB167548BS	PB167548BS	LCS	04/14/25 18:38		Kareem	OK
69	PB167566BL	PB167566BL	MB	04/14/25 18:42		Kareem	OK
70	PB167566BS	PB167566BS	LCS	04/14/25 18:46		Kareem	OK
71	PB167500BL	PB167500BL	MB	04/14/25 18:50		Kareem	OK
72	PB167500BS	PB167500BS	LCS	04/14/25 18:54		Kareem	OK
73	Q1768-01DL	CRUSHED STONEDL	SAM	04/14/25 18:58	5X for Zn	Kareem	Confirms
74	Q1730-01	OU4-VSL-15-040325	SAM	04/14/25 19:02		Kareem	OK
75	CCV06	CCV06	CCV	04/14/25 19:07		Kareem	OK
76	CCB06	CCB06	CCB	04/14/25 19:11		Kareem	OK
77	Q1730-03	OU4-VSL-16-040325	SAM	04/14/25 19:15		Kareem	OK
78	Q1730-05	OU4-VSL-17-040325	SAM	04/14/25 19:19		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135424

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Supervise By	mohan	Supervise On	4/15/2025 1:12:12 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85016,MP85017,MP85018,MP85019,MP85020,MP85022		
ICV Standard	MP85023		
CCV Standard	MP85026		
ICSA Standard	MP85024,MP85025		
CRI Standard	MP85022		
LCS Standard			
Chk Standard	MP85030,MP85031		

79	Q1730-07	OU4-PCS-TC-21-0403	SAM	04/14/25 19:23		Kareem	OK
80	Q1730-09	OU4-PCS-TC-22-0403	SAM	04/14/25 19:27		Kareem	OK
81	Q1730-11	OU4-PCS-TC-23-0403	SAM	04/14/25 19:32		Kareem	OK
82	Q1730-13	OU4-PCS-TC-24-0403	SAM	04/14/25 19:36		Kareem	OK
83	Q1730-15	OU4-PCS-TC-25-0403	SAM	04/14/25 19:40		Kareem	OK
84	Q1730-17	OU4-PCS-TC-26-0403	SAM	04/14/25 19:44		Kareem	OK
85	Q1730-19	OU4-CF-15-040325	SAM	04/14/25 19:49		Kareem	OK
86	Q1736-01	GST1	SAM	04/14/25 19:53		Kareem	OK
87	CCV07	CCV07	CCV	04/14/25 19:57		Kareem	OK
88	CCB07	CCB07	CCB	04/14/25 20:01		Kareem	OK
89	Q1736-02	GST2	SAM	04/14/25 20:05		Kareem	OK
90	Q1738-01	OK-02-040425	SAM	04/14/25 20:10		Kareem	OK
91	Q1738-01DUP	OK-02-040425DUP	DUP	04/14/25 20:14		Kareem	OK
92	Q1738-01L	OK-02-040425L	SD	04/14/25 20:18		Kareem	OK
93	Q1738-01MS	OK-02-040425MS	MS	04/14/25 20:22		Kareem	OK
94	Q1738-01MSD	OK-02-040425MSD	MSD	04/14/25 20:26		Kareem	OK
95	Q1738-01A	OK-02-040425A	PS	04/14/25 20:30		Kareem	OK
96	Q1746-02	B-149-SB01	SAM	04/14/25 20:34		Kareem	OK
97	Q1746-04	B-149-SB02	SAM	04/14/25 20:39		Kareem	OK
98	Q1749-04	TP-14	SAM	04/14/25 20:43		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135424

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STD. NAME	STD REF.#		
ICAL Standard	MP85016,MP85017,MP85018,MP85019,MP85020,MP85022		
ICV Standard	MP85023		
CCV Standard	MP85026		
ICSA Standard	MP85024,MP85025		
CRI Standard	MP85022		
LCS Standard			
Chk Standard	MP85030,MP85031		

99	CCV08	CCV08	CCV	04/14/25 20:48		Kareem	OK
100	CCB08	CCB08	CCB	04/14/25 20:52		Kareem	OK
101	Q1746-05	B-158-GW01	SAM	04/14/25 20:56		Kareem	OK
102	Q1746-06	B-149-GW01	SAM	04/14/25 21:00		Kareem	OK
103	Q1746-06DUP	B-149-GW01DUP	DUP	04/14/25 21:05		Kareem	OK
104	Q1746-06L	B-149-GW01L	SD	04/14/25 21:09		Kareem	OK
105	Q1746-06MS	B-149-GW01MS	MS	04/14/25 21:13		Kareem	OK
106	Q1746-06MSD	B-149-GW01MSD	MSD	04/14/25 21:17		Kareem	OK
107	Q1746-06A	B-149-GW01A	PS	04/14/25 21:21		Kareem	OK
108	Q1746-07	EB-2025-4-7	SAM	04/14/25 21:25		Kareem	OK
109	Q1771-01	TP-6C	SAM	04/14/25 21:30		Kareem	OK
110	Q1771-05	TP-7C	SAM	04/14/25 21:34		Kareem	OK
111	CCV09	CCV09	CCV	04/14/25 21:38		Kareem	OK
112	CCB09	CCB09	CCB	04/14/25 21:42		Kareem	OK
113	Q1771-09	TP-3A	SAM	04/14/25 21:46		Kareem	OK
114	Q1771-09DUP	TP-3ADUP	DUP	04/14/25 21:50		Kareem	OK
115	Q1771-09L	TP-3AL	SD	04/14/25 21:55		Kareem	OK
116	Q1771-09MS	TP-3AMS	MS	04/14/25 21:59		Kareem	OK
117	Q1771-09MSD	TP-3AMSD	MSD	04/14/25 22:03		Kareem	OK
118	Q1771-09A	TP-3AA	PS	04/14/25 22:07		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135424

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Supervise By	mohan	Supervise On	4/15/2025 1:12:12 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85016,MP85017,MP85018,MP85019,MP85020,MP85022		
ICV Standard	MP85023		
CCV Standard	MP85026		
ICSA Standard	MP85024,MP85025		
CRI Standard	MP85022		
LCS Standard			
Chk Standard	MP85030,MP85031		

119	Q1769-08	EB01-040925	SAM	04/14/25 22:11		Kareem	OK
120	Q1752-01	TP-1	SAM	04/14/25 22:15		Kareem	OK
121	Q1752-03	TP-2	SAM	04/14/25 22:19		Kareem	OK
122	Q1752-05	TP-4	SAM	04/14/25 22:23		Kareem	OK
123	CCV10	CCV10	CCV	04/14/25 22:28		Kareem	OK
124	CCB10	CCB10	CCB	04/14/25 22:32		Kareem	OK
125	Q1752-07	TP-3	SAM	04/14/25 22:36		Kareem	OK
126	CCV11	CCV11	CCV	04/14/25 22:40		Kareem	OK
127	CCB11	CCB11	CCB	04/14/25 22:44		Kareem	OK
128	Q1752-02	TP-1	SAM	04/14/25 22:49		Kareem	OK
129	Q1752-04	TP-2	SAM	04/14/25 22:53		Kareem	OK
130	Q1752-06	TP-4	SAM	04/14/25 22:57		Kareem	OK
131	Q1752-08	TP-3	SAM	04/14/25 23:02		Kareem	OK
132	CCV12	CCV12	CCV	04/14/25 23:06	Fail for Na	Kareem	OK
133	CCB12	CCB12	CCB	04/14/25 23:11		Kareem	OK

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pipette ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #3 2. N/A

Start Digest Date: 04/07/2025 Time : 10:05 Temp : 96 °C

End Digest Date: 04/07/2025 Time : 12:10 Temp : 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #3

Dig Technician Signature: *SPS*

Supervisor Signature: *[Signature]*

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6003
LFS-2	1.00	M6012
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
1:1 HNO3	10.00	MP84041
Conc. HNO3	5.00	M6158
30% H2O2	3.00	M6125
Conc. HCL	10.00	M6151
PTFE Boiling Stones	N/A	M5581
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK # 3 CELL 35 Temp :96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/07/25 13:10	<i>SPS met.dig</i>	<i>[Signature] Metals Lab</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB167482BL	PBS482	N/A	2.20	100	Colorless	Colorless	Fine	N/A	N/A	1
PB167482BS	LCS482	N/A	2.16	100	Colorless	Colorless	Fine	N/A	M6003,M6012	2
Q1730-01	OU4-VSL-15-040325	N/A	2.36	100	Gray	Yellow	Medium	N/A	N/A	3
Q1730-03	OU4-VSL-16-040325	N/A	2.02	100	Gray	Yellow	Medium	N/A	N/A	4
Q1730-05	OU4-VSL-17-040325	N/A	2.46	100	Gray	Yellow	Medium	N/A	N/A	5
Q1730-07	OU4-PCS-TC-21-040325	N/A	2.09	100	Gray	Yellow	Medium	N/A	N/A	6
Q1730-09	OU4-PCS-TC-22-040325	N/A	2.10	100	Gray	Yellow	Medium	N/A	N/A	7
Q1730-11	OU4-PCS-TC-23-040325	N/A	2.08	100	Gray	Yellow	Medium	N/A	N/A	8
Q1730-13	OU4-PCS-TC-24-040325	N/A	2.34	100	Gray	Yellow	Medium	N/A	N/A	9
Q1730-15	OU4-PCS-TC-25-040325	N/A	2.19	100	Gray	Yellow	Medium	N/A	N/A	10
Q1730-17	OU4-PCS-TC-26-040325	N/A	2.33	100	Gray	Yellow	Medium	N/A	N/A	11
Q1730-19	OU4-CF-15-040325	N/A	2.47	100	Gray	Yellow	Medium	N/A	N/A	12
Q1732-01	TT-8	N/A	2.21	100	Brown	Yellow	Medium	N/A	N/A	13
Q1733-01	ETGI-328	N/A	2.14	100	Brown	Yellow	Medium	N/A	N/A	14
Q1735-01	50660-50661-50662-5663-COMP	N/A	2.15	100	Brown	Yellow	Medium	N/A	N/A	15
Q1736-01	GST1	N/A	2.23	100	Black	Yellow	Medium	N/A	N/A	16
Q1736-02	GST2	N/A	2.31	100	Brown	Yellow	Medium	N/A	N/A	17
Q1737-01	RT3069	N/A	2.11	100	Black	Yellow	Medium	N/A	N/A	18
Q1738-01	OK-02-040425	N/A	2.07	100	Gray	Yellow	Medium	N/A	N/A	19
Q1738-01MS	OK-02-040425MS	N/A	2.18	100	Gray	Yellow	Medium	N/A	M6003,M6012	21
Q1738-01MSD	OK-02-040425MSD	N/A	2.26	100	Gray	Yellow	Medium	N/A	M6003,M6012	22
Q1738-01DUP	OK-02-040425DUP	N/A	2.07	100	Gray	Yellow	Medium	N/A	N/A	20
Q1740-01	TP-20	N/A	2.48	100	Brown	Yellow	Medium	N/A	N/A	23
Q1743-01	TP-16	N/A	2.15	100	Brown	Yellow	Medium	N/A	N/A	24

SOP ID : M7471B-Mercury-18

SDG No : NA

Matrix : SOIL

Pipette ID: HG A

Balance ID : M SC-3

Filter paper ID : N/A

pH Strip ID : NA

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 04/08/2025 Time : 07:20 Temp : 93 °C

End Digest Date: 04/08/2025 Time : 07:50 Temp : 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: *[Signature]*

Supervisor Signature: *[Signature]*

Temp : 1. 93°C 2. N/A

Standardized Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP85164
CCV	30mL	MP85166
CRA	30mL	MP85168
Blank Spike	0.48mL	MP85157
Matrix Spike	0.48mL	MP85157

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP85170
KMnO4 (5%)	4.5mL	MP84564
Hydroxylamine HCL (12%)	2.0mL	MP84566
PTFE Boiling Stones	-----	M4583
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP85158
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP85159
2.5 ppb	S2.5	30mL	MP85160
5.0 ppb	S5.0	30mL	MP85161
7.5 ppb	S7.5	30mL	MP85162
10.0 ppb	S10.0	30mL	MP85163
ICV	ICV	30mL	MP85164
ICB	ICB	30mL	MP85165
CCV	CCV	30mL	MP85166
CCB	CCB	30mL	MP85167
CRI	CRI	30mL	MP85168
CHK STD	CHK STD	30mL	MP85169

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
4/8/25 8:35	<i>[Signature]</i>	<i>[Signature]</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB167516BL	PBS516	0.52	35	NA	N/A	3-1
PB167516BS	LCS516	0.57	35	NA	MP85157	2
Q1730-01	OU4-VSL-15-040325	0.60	35	NA	N/A	3
Q1730-03	OU4-VSL-16-040325	0.58	35	NA	N/A	4
Q1730-05	OU4-VSL-17-040325	0.57	35	NA	N/A	5
Q1730-07	OU4-PCS-TC-21-040325	0.51	35	NA	N/A	6
Q1730-09	OU4-PCS-TC-22-040325	0.54	35	NA	N/A	7
Q1730-11	OU4-PCS-TC-23-040325	0.58	35	NA	N/A	8
Q1730-13	OU4-PCS-TC-24-040325	0.51	35	NA	N/A	9
Q1730-15	OU4-PCS-TC-25-040325	0.56	35	NA	N/A	10
Q1730-17	OU4-PCS-TC-26-040325	0.50	35	NA	N/A	11
Q1730-19	OU4-CF-15-040325	0.56	35	NA	N/A	12
Q1732-01	TT-8	0.52	35	NA	N/A	13
Q1733-01	ETGI-328	0.50	35	NA	N/A	14
Q1735-01	50660-50661-50662-5663-COMP	0.51	35	NA	N/A	15
Q1736-01	GST1	0.58	35	NA	N/A	16
Q1736-02	GST2	0.58	35	NA	N/A	17
Q1737-01	RT3069	0.56	35	NA	N/A	18
Q1738-01	OK-02-040425	0.55	35	NA	N/A	19
Q1740-01	TP-20	0.51	35	NA	N/A	20
Q1743-01	TP-16	0.53	35	NA	N/A	21
Q1743-01DUP	TP-16DUP	0.53	35	NA	N/A	22
Q1743-01MS	TP-16MS	0.55	35	NA	MP85157	23
Q1743-01MSD	TP-16MSD	0.58	35	NA	MP85157	24



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:
COMPANY: Geop Inc
ADDRESS: 8 CARRIAGE
CITY: Juccasville STATE: NJ ZIP: 07876
ATTENTION:
PHONE: FAX:

PROJECT NAME: Stockton
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER: GL
e-mail:
PHONE: 973 294 1771 FAX:

BILL TO: Geop Inc PO#:
ADDRESS: 8 CARRIAGE
CITY: Juccasville STATE: NJ ZIP: 07876
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) STANDARD DAYS*
HARDCOPY (DATA PACKAGE) DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data Excel
☒ EDD FORMAT MS Excel

PCB's
TRC Metals
EDH Cat 2
1,4 Dioxane

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	<u>GST1</u>	<u>S01</u>	<u>X</u>	<u>X</u>	<u>4/4/25</u>	<u>1230</u>	<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
2.	<u>GST2</u>	<u>S01</u>	<u>X</u>	<u>X</u>	<u>4/4/25</u>	<u>1248</u>	<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>MA</u>	DATE/TIME: <u>4/4/25</u>	RECEIVED BY: 1. <u>[Signature]</u> <u>4/4/25</u> <u>1234</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>2.8</u> °C Comments: <u>(Adjust FACTOR H)</u> <u>IR gun #1</u>
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	

Page ____ of ____ CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488